

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061350.D
 Acq On : 27 Mar 2019 12:39
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 28 01:53:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 01:47:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	722433	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.19	114	1276572	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	1000877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	466306	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	123539	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	
35) Dibromofluoromethane	6.90	113	190948	19.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.14%	
50) Toluene-d8	10.39	98	450343	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
62) 4-Bromofluorobenzene	13.54	95	171218	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	163305	21.207	ug/l	96
3) Chloromethane	1.75	50	133364	21.237	ug/l	99
4) Vinyl Chloride	1.85	62	128019	22.201	ug/l	98
5) Bromomethane	2.15	94	19475	16.698	ug/l	93
6) Chloroethane	2.25	64	24684	14.597	ug/l	95
7) Trichlorofluoromethane	2.52	101	183350	21.818	ug/l	97
8) Diethyl Ether	2.86	74	52696	19.519	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	189172	20.964	ug/l	97
10) Methyl Iodide	3.30	142	239468	20.085	ug/l	98
11) Tert butyl alcohol	4.05	59	37158	96.861	ug/l	98
12) 1,1-Dichloroethene	3.12	96	166955	21.537	ug/l	99
13) Acrolein	3.02	56	37288	113.081	ug/l	100
14) Allyl chloride	3.60	41	211648	19.594	ug/l	97
15) Acrylonitrile	4.17	53	131983	99.130	ug/l	96
16) Acetone	3.21	43	149832	93.991	ug/l	97
17) Carbon Disulfide	3.37	76	517568	20.551	ug/l	99
18) Methyl Acetate	3.62	43	63119	18.960	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	272191	20.303	ug/l	96
20) Methylene Chloride	3.80	84	196533	19.474	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	171547	20.494	ug/l	95
22) Diisopropyl ether	5.10	45	492341	21.526	ug/l	96
23) Vinyl Acetate	5.03	43	1283787	102.970	ug/l	100
24) 1,1-Dichloroethane	4.96	63	269923	20.070	ug/l	99
25) 2-Butanone	6.04	43	194178	97.482	ug/l	100
26) 2,2-Dichloropropane	6.00	77	207199	19.408	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	182921	19.980	ug/l	93
28) Bromochloromethane	6.41	49	108463	20.014	ug/l #	99
29) Tetrahydrofuran	6.43	42	91606	94.884	ug/l	99
30) Chloroform	6.64	83	279661	20.160	ug/l	99
31) Cyclohexane	6.93	56	225615	21.266	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	258152	21.094	ug/l	99
36) 1,1-Dichloropropene	7.13	75	212731	19.093	ug/l	99
37) Ethyl Acetate	6.15	43	87326	18.337	ug/l	98
38) Carbon Tetrachloride	7.09	117	252425	19.490	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061350.D
 Acq On : 27 Mar 2019 12:39
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 28 01:53:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 01:47:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	226656	19.533	ug/l	96
40) Benzene	7.43	78	590482	21.117	ug/l	98
41) Methacrylonitrile	6.42	41	103689	18.604	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	163259	19.519	ug/l	100
43) Isopropyl Acetate	9.21	43	138538	19.982	ug/l	99
44) Trichloroethene	8.52	130	199478	19.169	ug/l	100
45) 1,2-Dichloropropane	8.91	63	143013	20.170	ug/l	96
46) Dibromomethane	9.04	93	93920	19.680	ug/l	96
47) Bromodichloromethane	9.35	83	221097	20.641	ug/l	98
48) Methyl methacrylate	9.10	41	77895	20.358	ug/l	97
49) 1,4-Dioxane	9.05	88	16605	393.456	ug/l	92
51) 4-Methyl-2-Pentanone	10.28	43	414723	98.344	ug/l	96
52) Toluene	10.48	92	327625	19.205	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	192544	19.785	ug/l	97
54) cis-1,3-Dichloropropene	10.01	75	235665	19.887	ug/l	98
55) 1,1,2-Trichloroethane	11.16	97	115342	19.333	ug/l	99
56) Ethyl methacrylate	11.02	69	125352	19.559	ug/l	97
57) 1,3-Dichloropropane	11.39	76	182256	20.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	305931	98.018	ug/l	100
59) 2-Hexanone	11.51	43	306485	100.288	ug/l	96
60) Dibromochloromethane	11.67	129	179382	19.504	ug/l	100
61) 1,2-Dibromoethane	11.78	107	143296	20.743	ug/l	99
64) Tetrachloroethene	11.23	164	158671	20.200	ug/l	98
65) Chlorobenzene	12.37	112	409048	19.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.49	131	167198	21.111	ug/l	97
67) Ethyl Benzene	12.50	91	656387	21.024	ug/l	96
68) m/p-Xylenes	12.65	106	534653	45.207	ug/l	98
69) o-Xylene	13.03	106	236962	20.647	ug/l	95
70) Styrene	13.05	104	426307	21.308	ug/l	97
71) Bromoform	13.22	173	99839	19.887	ug/l	98
73) Isopropylbenzene	13.39	105	659891	20.333	ug/l	99
74) N-amyl acetate	13.25	43	170991	18.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.68	83	136591	19.951	ug/l	100
76) 1,2,3-Trichloropropane	13.71	75	137778	20.454	ug/l	99
77) Bromobenzene	13.65	156	196566	20.430	ug/l	86
78) n-propylbenzene	13.76	91	824752	20.766	ug/l	98
79) 2-Chlorotoluene	13.82	91	412876	19.142	ug/l	97
80) 1,3,5-Trimethylbenzene	14.22	105	565356	20.738	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	38092	18.547	ug/l #	94
82) 4-Chlorotoluene	13.93	91	490793	20.931	ug/l	92
83) tert-Butylbenzene	14.18	119	626852	19.919	ug/l	95
84) 1,2,4-Trimethylbenzene	14.22	105	565356	20.738	ug/l	98
85) sec-Butylbenzene	14.35	105	698814	20.903	ug/l	97
86) p-Isopropyltoluene	14.48	119	615491	21.772	ug/l	97
87) 1,3-Dichlorobenzene	14.44	146	322428	19.790	ug/l	96
88) 1,4-Dichlorobenzene	14.52	146	320415	20.166	ug/l	95
89) n-Butylbenzene	14.79	91	553281	21.324	ug/l	99
90) Hexachloroethane	14.99	117	159927	20.025	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	284837	21.314	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	15673	19.519	ug/l	76

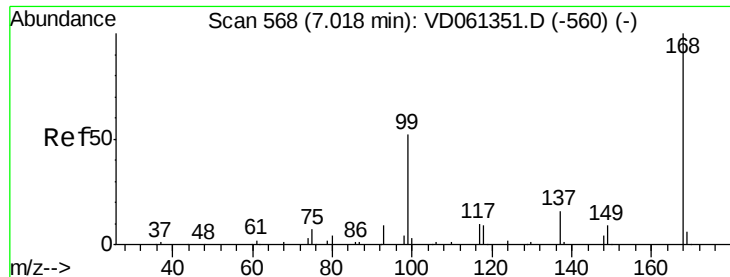
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
Data File : VD061350.D
Acq On : 27 Mar 2019 12:39
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Quant Time: Mar 28 01:53:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 01:47:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	116299	19.104	ug/l	94
94) Hexachlorobutadiene	16.03	225	84359	17.733	ug/l	99
95) Naphthalene	16.11	128	160603	17.307	ug/l	98
96) 1,2,3-Trichlorobenzene	16.25	180	50122	18.710	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

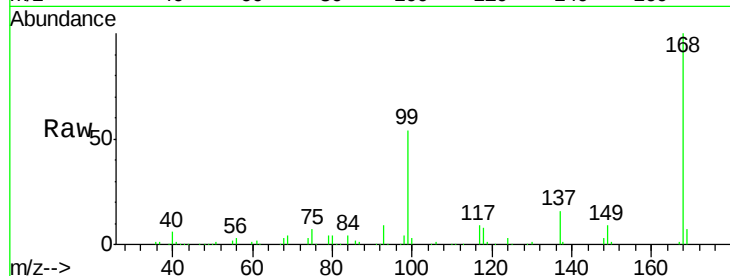
VSTDIC020

Tgt Ion:168 Resp: 722433

Ion Ratio Lower Upper

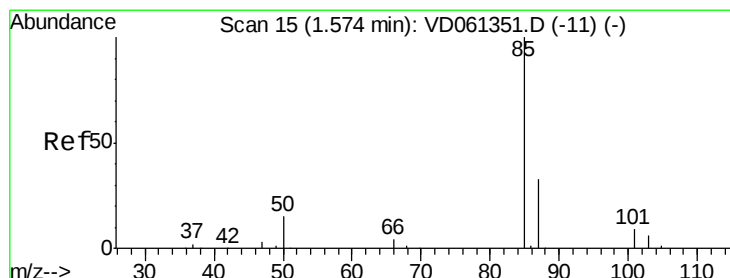
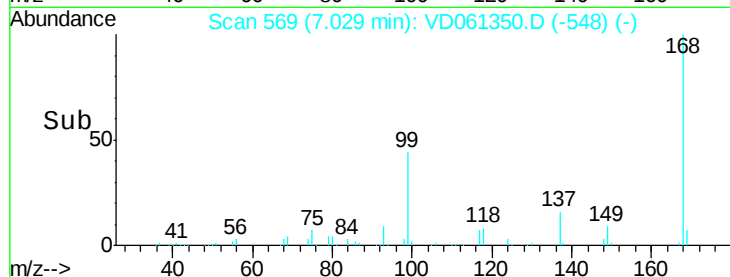
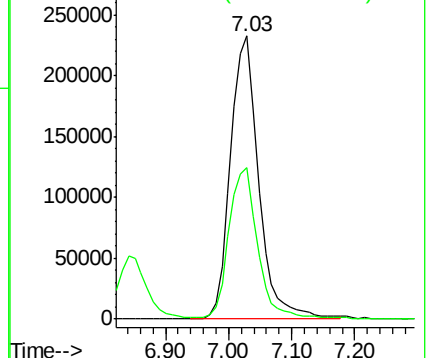
168 100

99 53.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.207 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061350.D

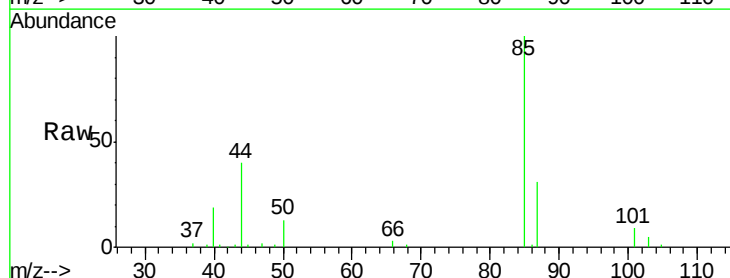
Acq: 27 Mar 2019 12:39

Tgt Ion: 85 Resp: 163305

Ion Ratio Lower Upper

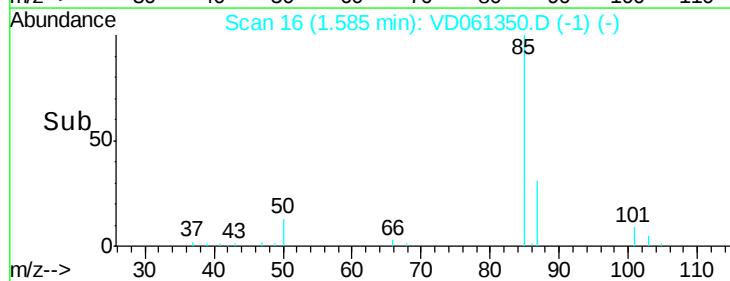
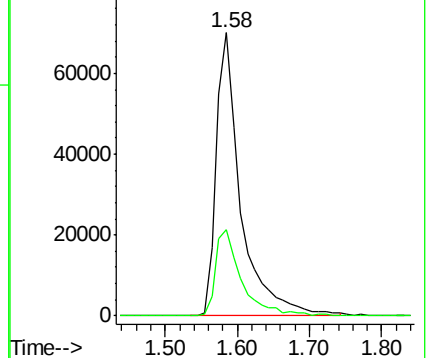
85 100

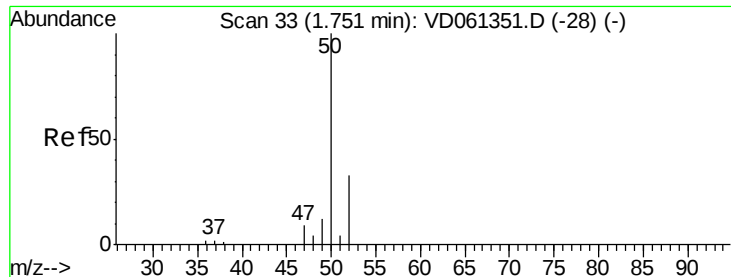
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.237 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

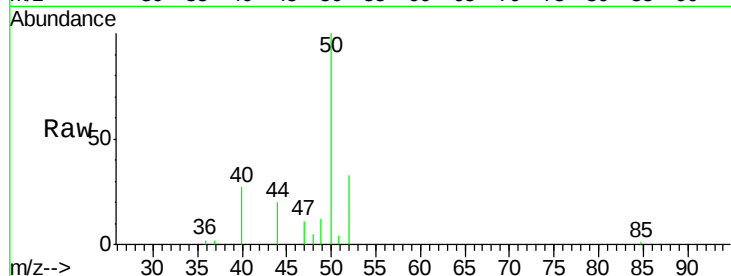
VSTDIC020

Tgt Ion: 50 Resp: 133364

Ion Ratio Lower Upper

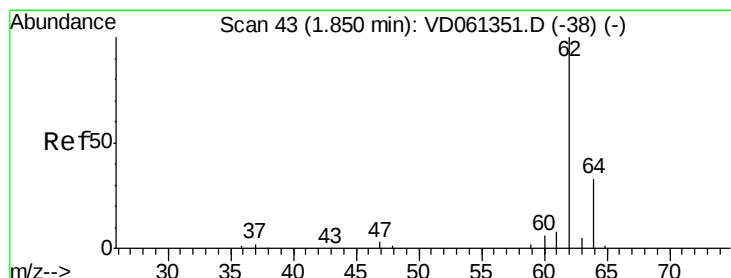
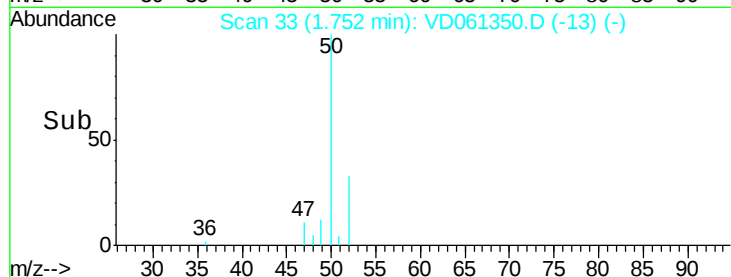
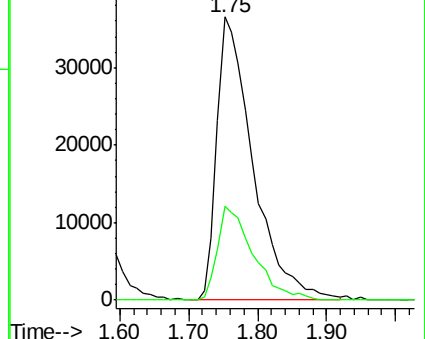
50 100

52 33.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.201 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061350.D

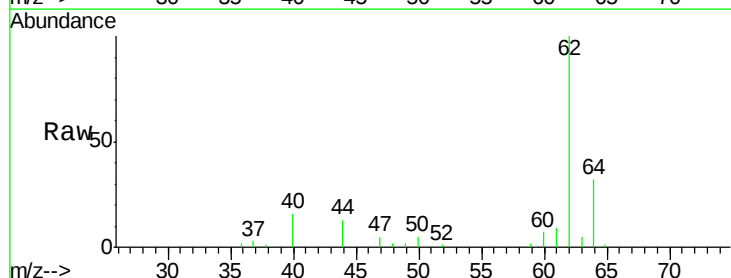
Acq: 27 Mar 2019 12:39

Tgt Ion: 62 Resp: 128019

Ion Ratio Lower Upper

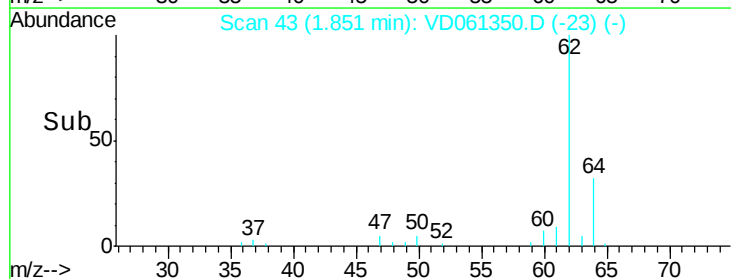
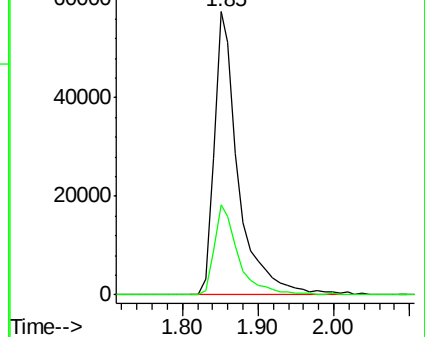
62 100

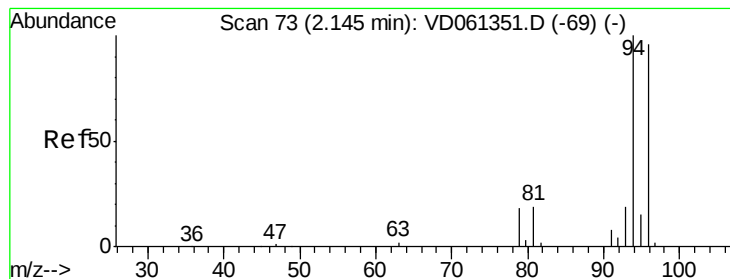
64 32.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.698 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

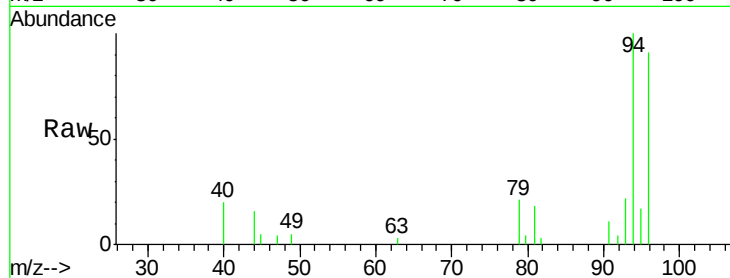
Tgt Ion: 94 Resp: 19475

Ion Ratio Lower Upper

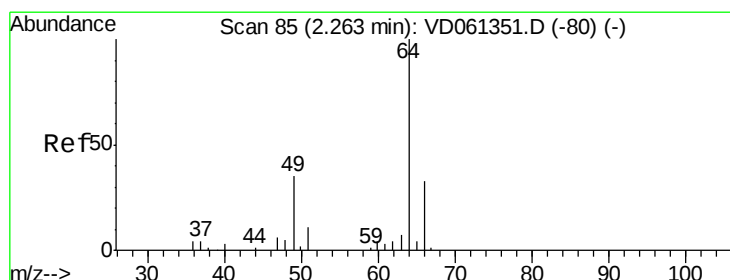
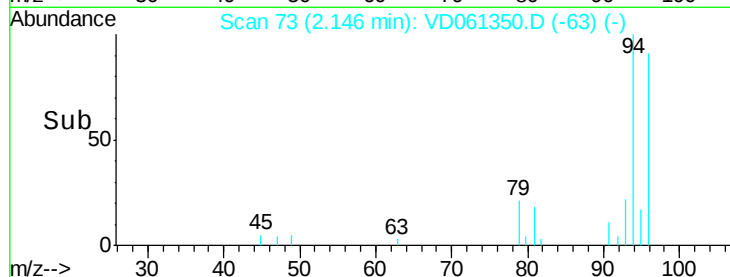
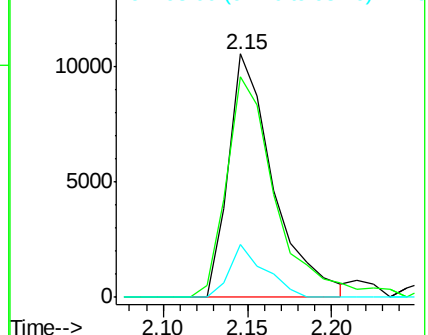
94 100

96 90.7 78.3 117.5

93 21.6 15.6 23.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 14.597 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061350.D

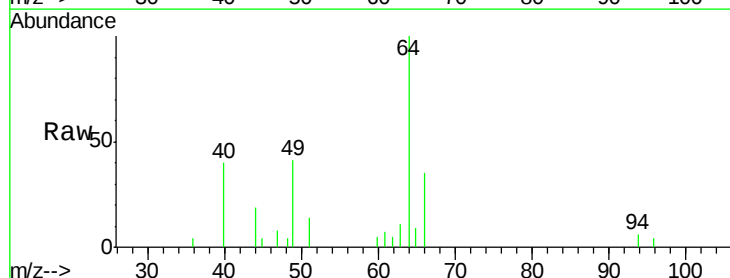
Acq: 27 Mar 2019 12:39

Tgt Ion: 64 Resp: 24684

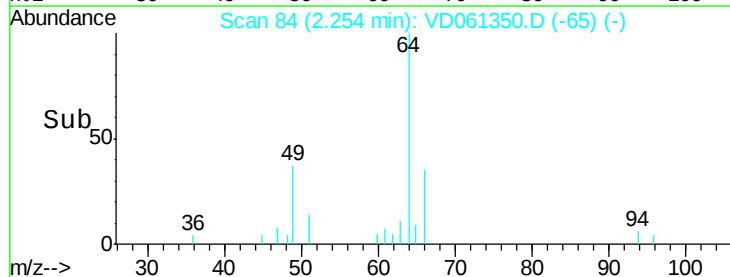
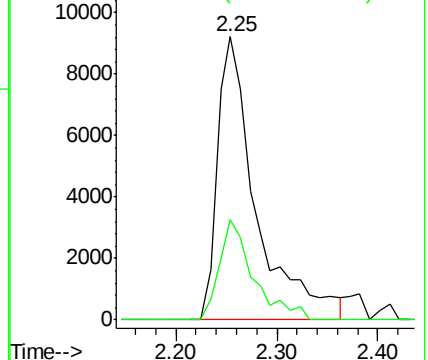
Ion Ratio Lower Upper

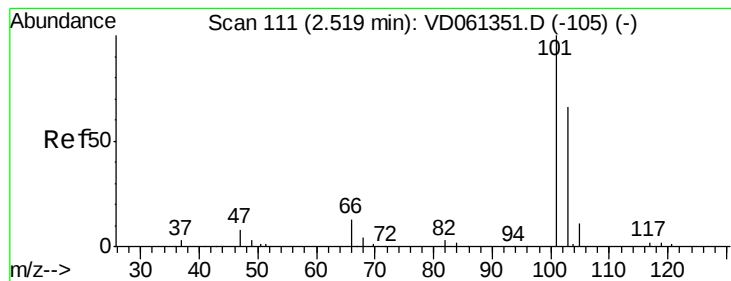
64 100

66 35.3 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



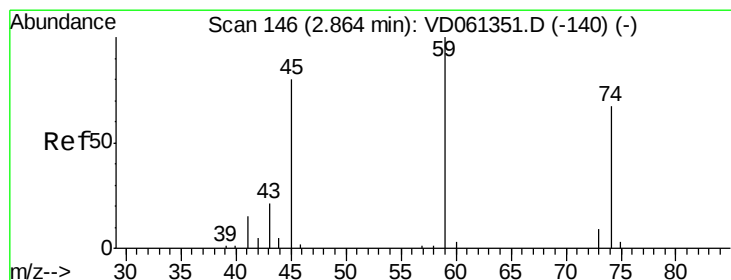
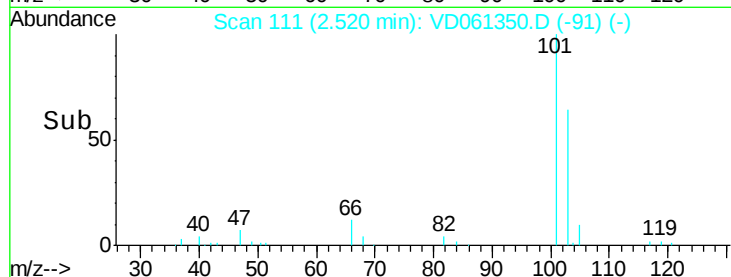
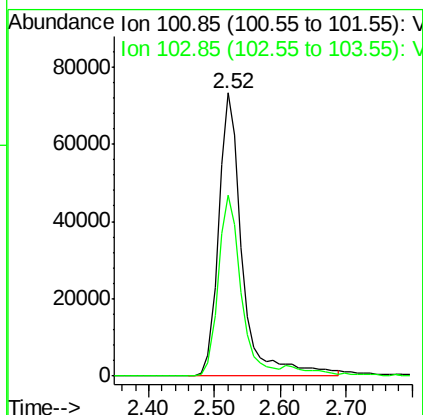
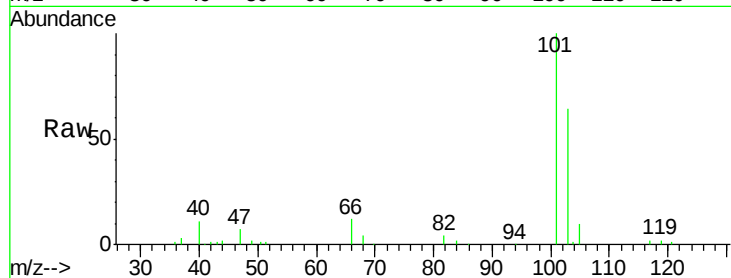


#7

Trichlorofluoromethane
 Concen: 21.818 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

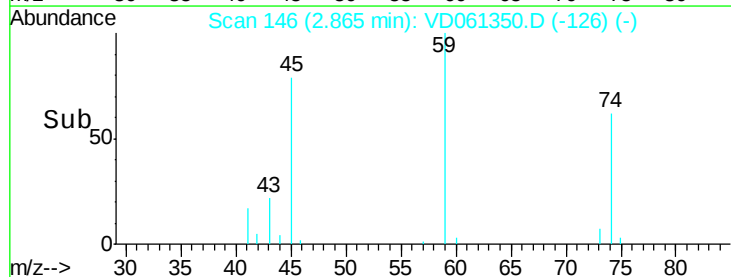
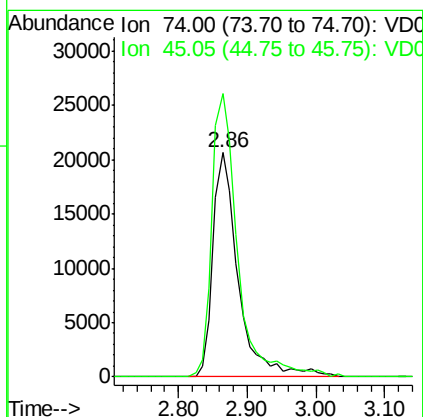
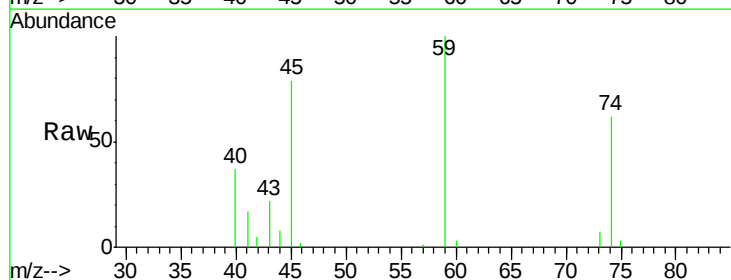
Tgt Ion: 101 Resp: 183350
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.1 79.7

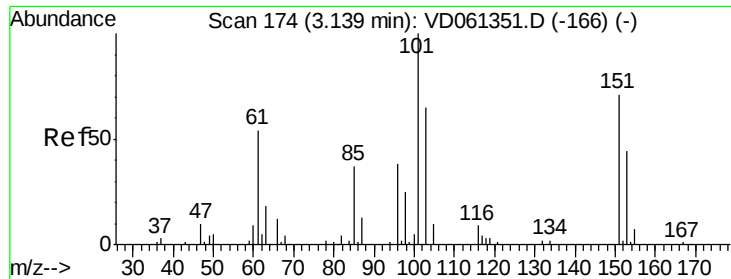


#8

Diethyl Ether
 Concen: 19.519 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 74 Resp: 52696
 Ion Ratio Lower Upper
 74 100
 45 126.4 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.964 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

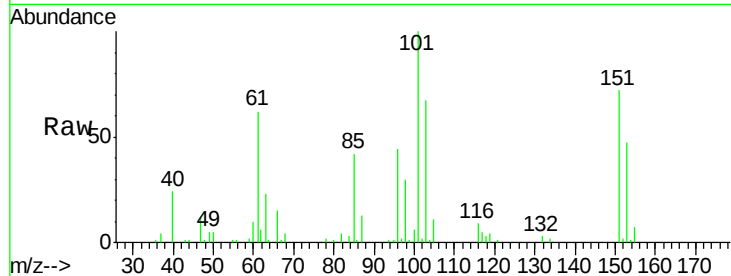
Tgt Ion:101 Resp: 189172

Ion Ratio Lower Upper

101 100

85 41.5 29.4 44.0

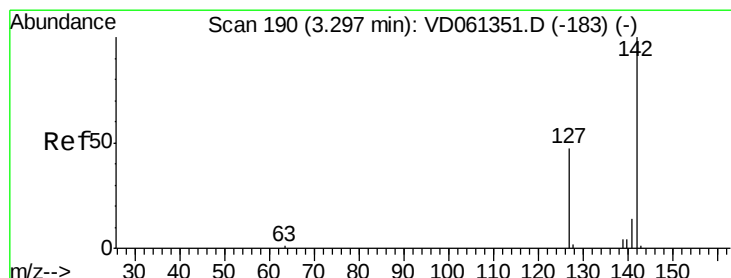
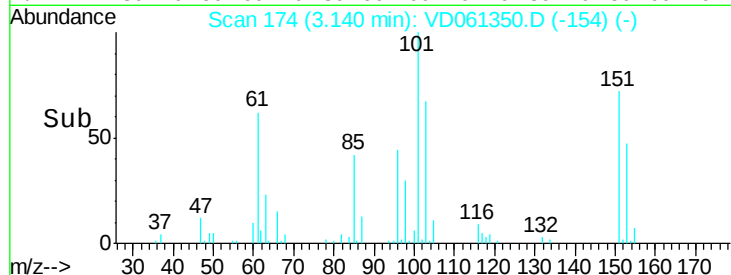
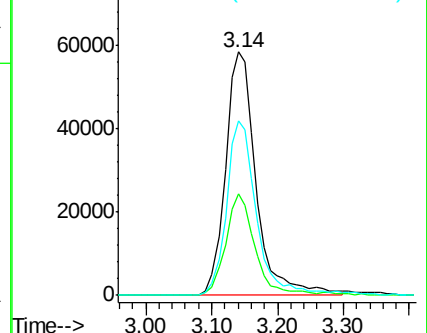
151 71.7 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.085 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

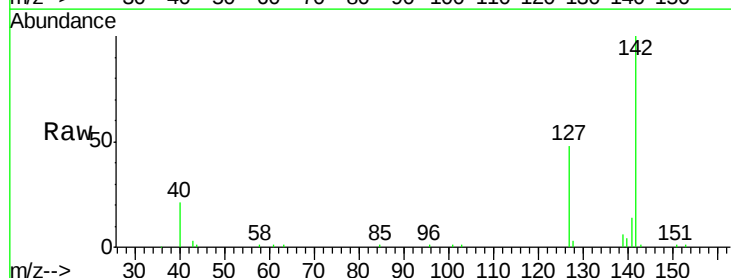
Tgt Ion:142 Resp: 239468

Ion Ratio Lower Upper

142 100

127 48.4 37.7 56.5

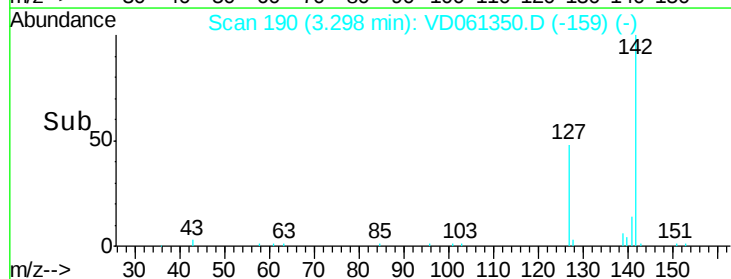
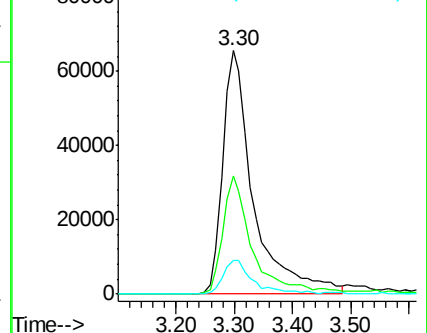
141 13.7 11.5 17.3

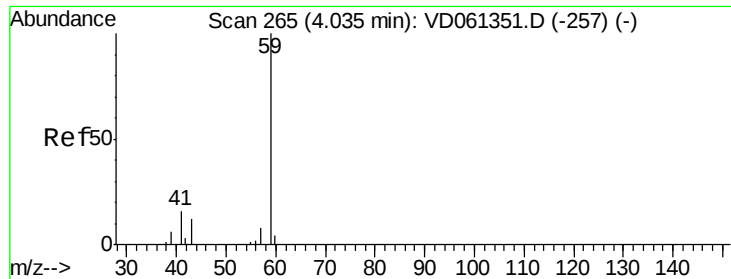


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

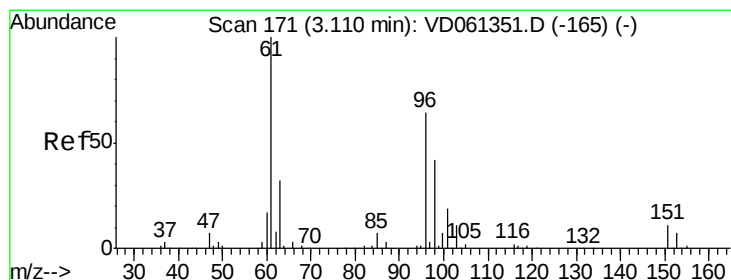
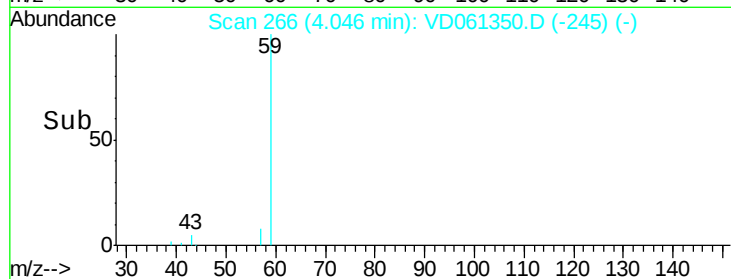
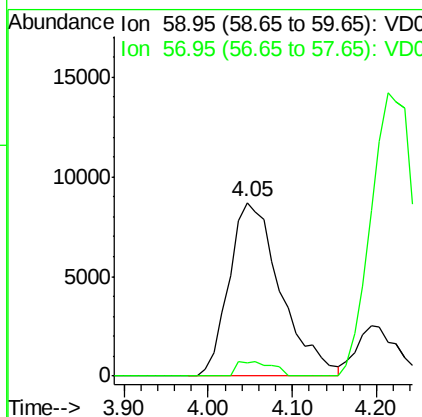
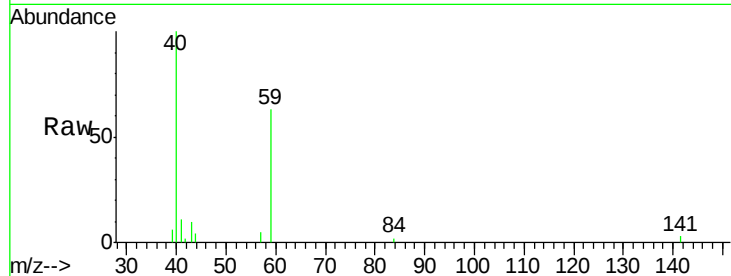




#11
Tert butyl alcohol
Concen: 96.861 ug/l
RT: 4.05 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

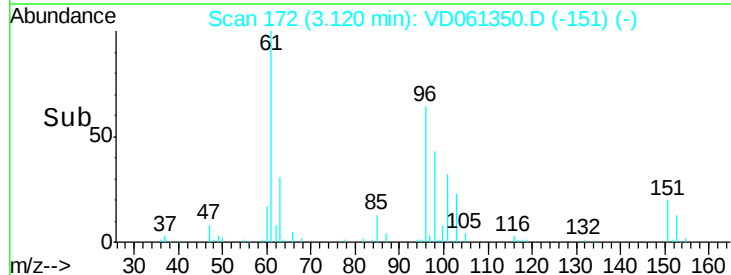
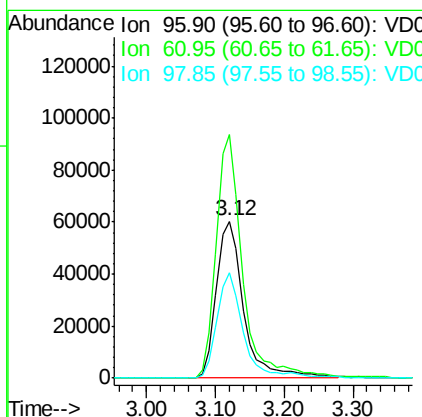
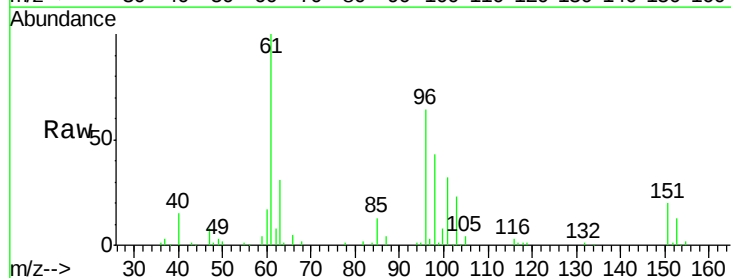
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

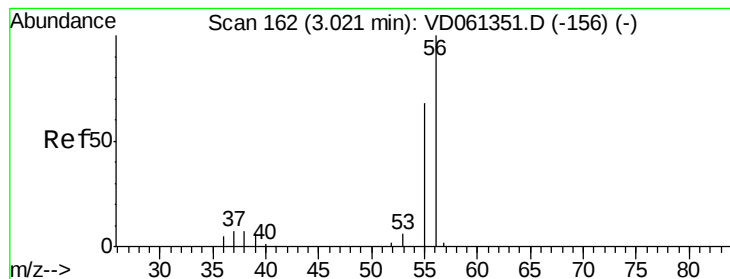
Tgt Ion: 59 Resp: 37158
Ion Ratio Lower Upper
59 100
57 7.5 6.7 10.1



#12
1,1-Dichloroethene
Concen: 21.537 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 96 Resp: 166955
Ion Ratio Lower Upper
96 100
61 155.3 124.9 187.3
98 67.4 52.5 78.7





#13

Acrolein

Concen: 113.081 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

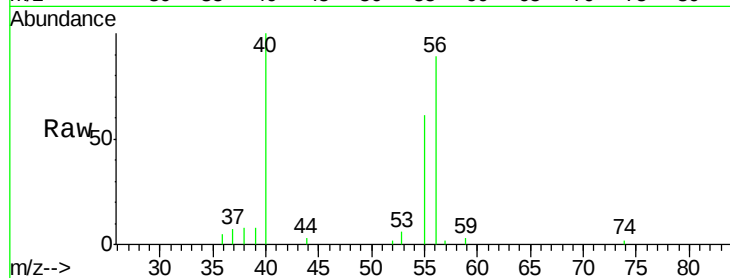
VSTDIC020

Tgt Ion: 56 Resp: 37288

Ion Ratio Lower Upper

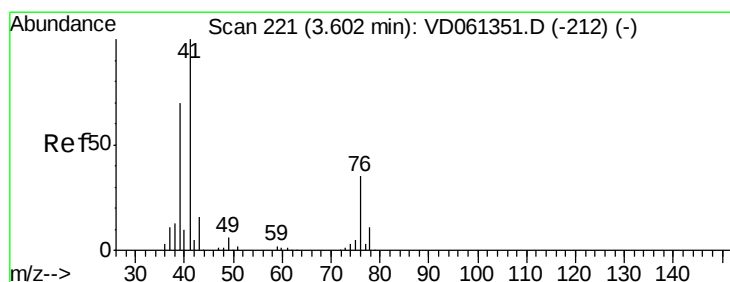
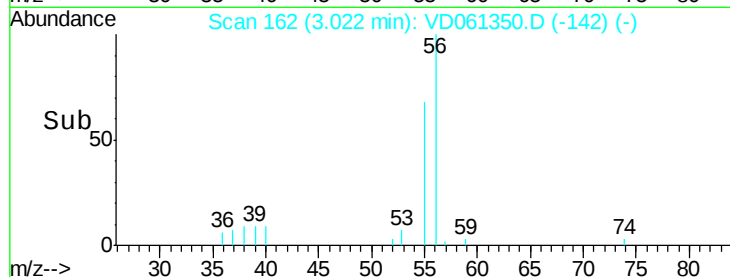
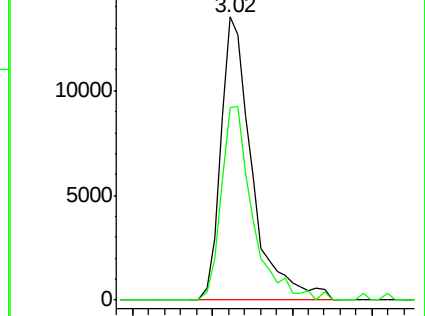
56 100

55 68.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.594 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

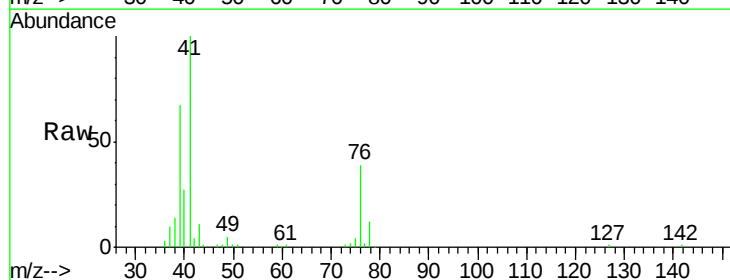
Tgt Ion: 41 Resp: 211648

Ion Ratio Lower Upper

41 100

39 66.6 55.6 83.4

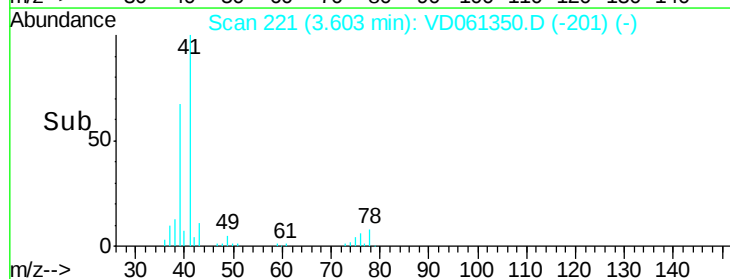
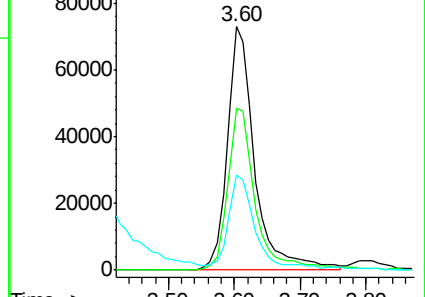
76 39.3 31.0 46.6

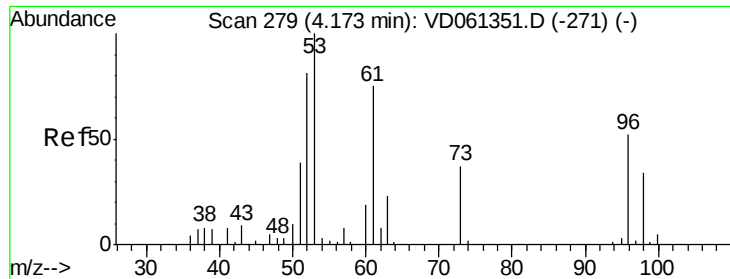


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

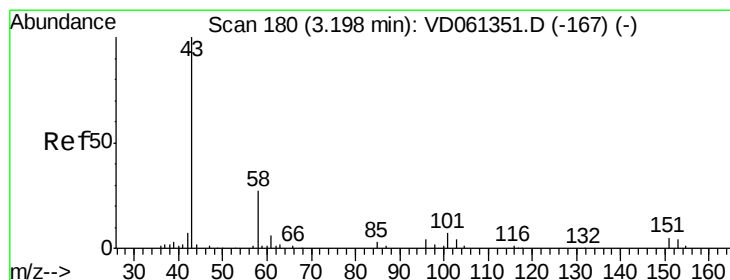
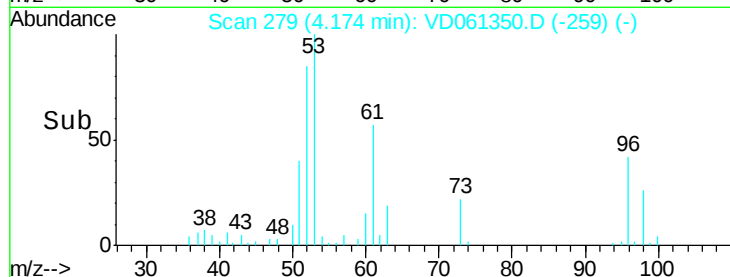
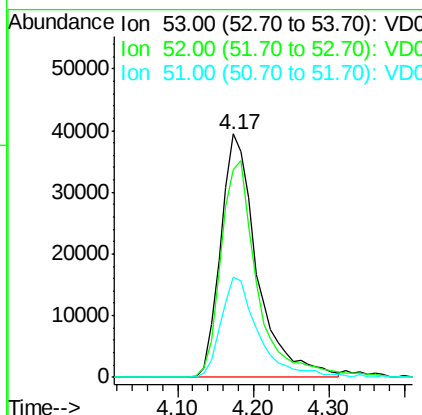
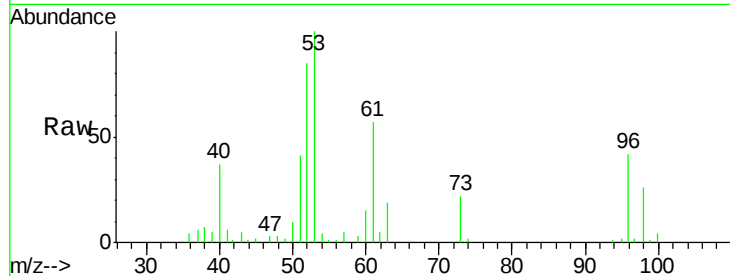




#15
 Acrylonitrile
 Concen: 99.130 ug/l
 RT: 4.17 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

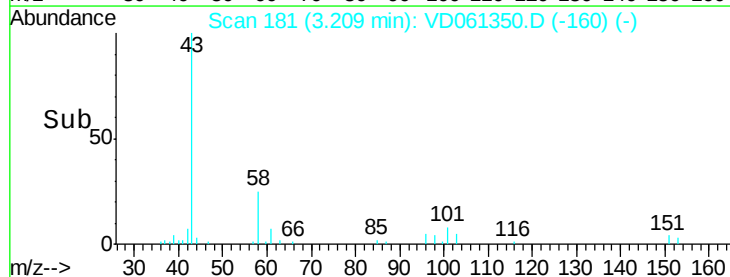
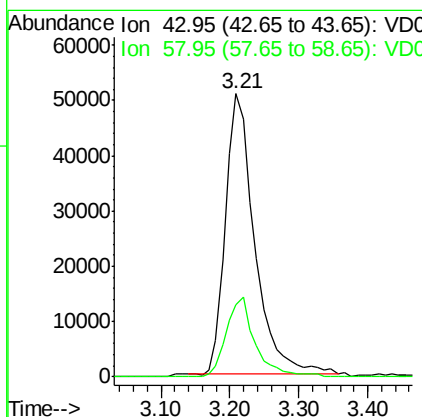
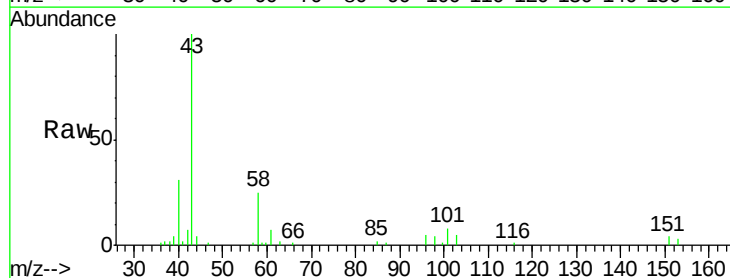
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

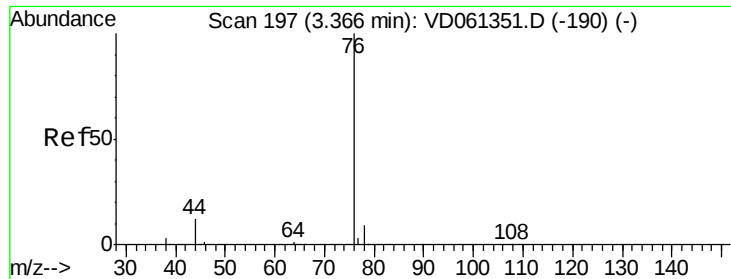
Tgt Ion: 53 Resp: 131983
 Ion Ratio Lower Upper
 53 100
 52 85.3 64.8 97.2
 51 40.9 31.4 47.2



#16
 Acetone
 Concen: 93.991 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 43 Resp: 149832
 Ion Ratio Lower Upper
 43 100
 58 25.3 21.5 32.3

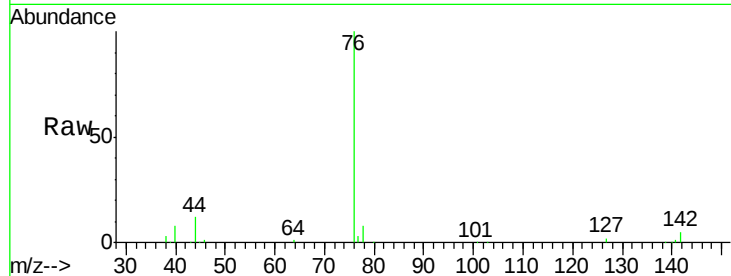




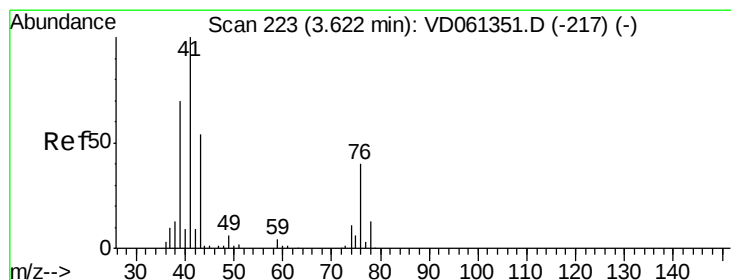
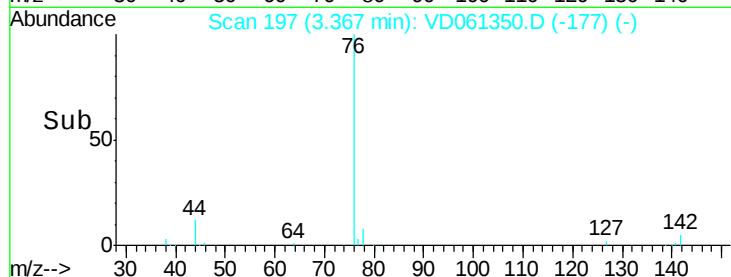
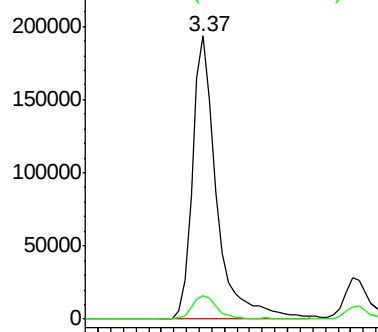
#17
Carbon Disulfide
Concen: 20.551 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 517568
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7

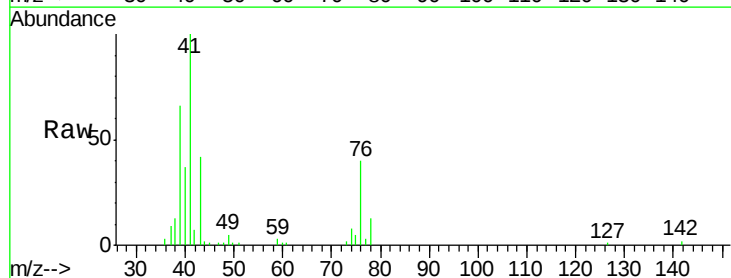


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

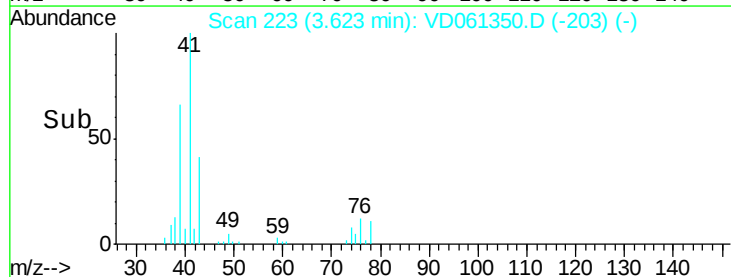
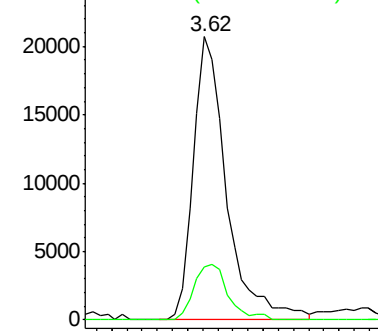


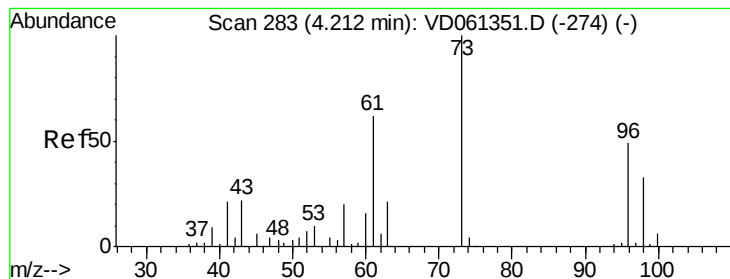
#18
Methyl Acetate
Concen: 18.960 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 43 Resp: 63119
Ion Ratio Lower Upper
43 100
74 18.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



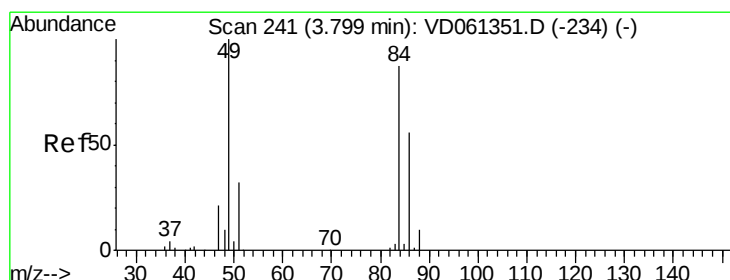
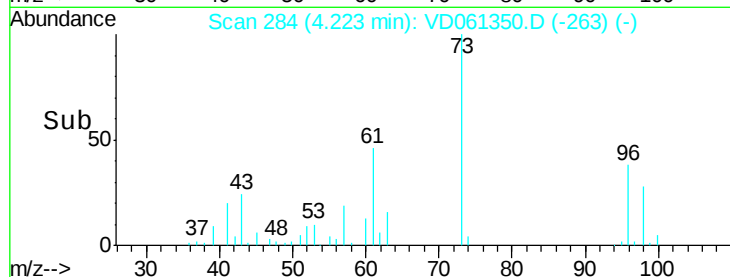
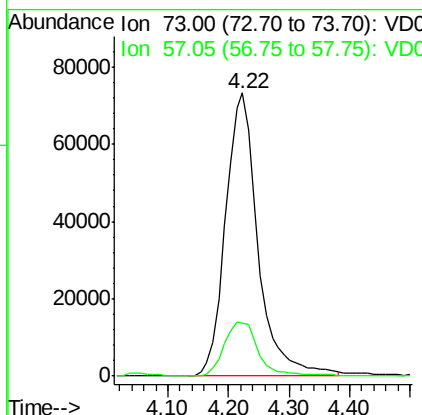
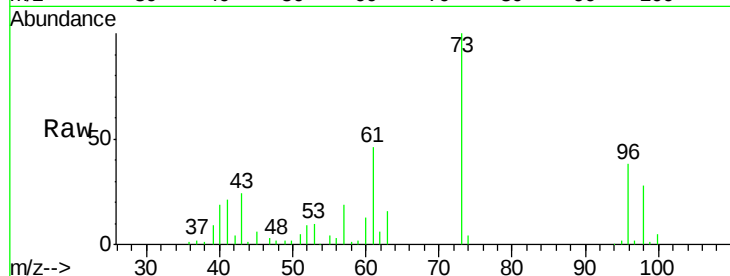


#19

Methyl tert-butyl Ether
 Concen: 20.303 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

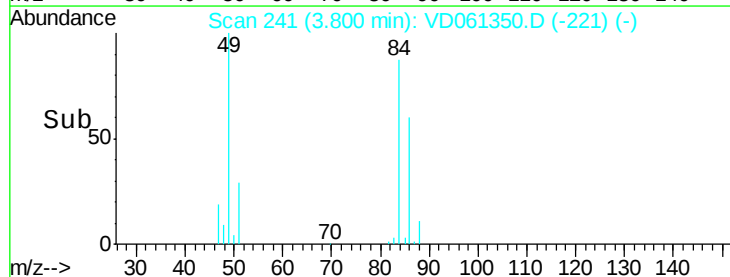
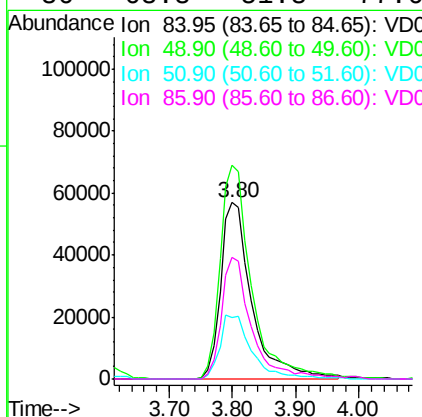
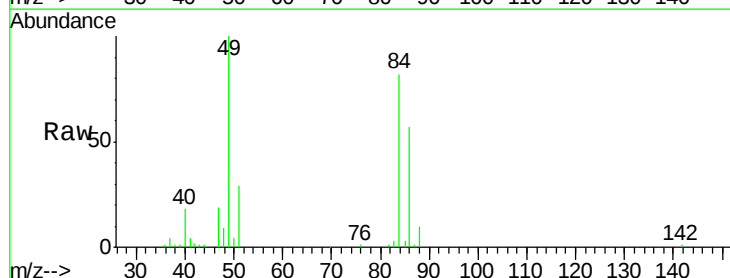
Tgt Ion: 73 Resp: 272191
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.4 24.6

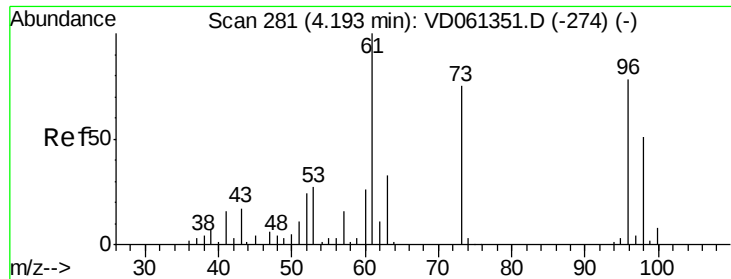


#20

Methylene Chloride
 Concen: 19.474 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 84 Resp: 196533
 Ion Ratio Lower Upper
 84 100
 49 121.3 91.8 137.8
 51 35.3 29.8 44.8
 86 68.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.494 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

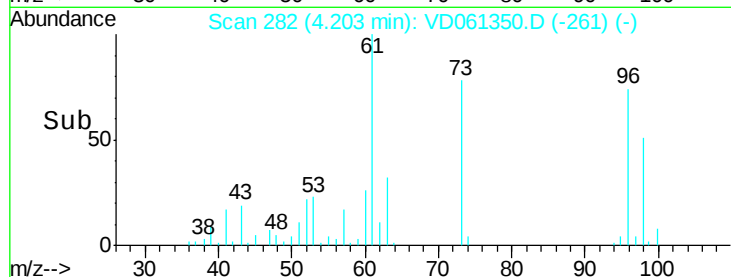
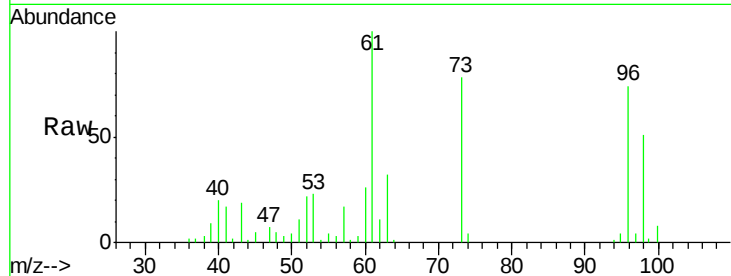
Tgt Ion: 96 Resp: 171547

Ion Ratio Lower Upper

96 100

61 134.2 102.7 154.1

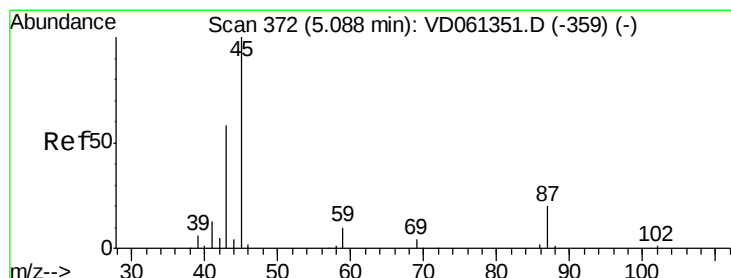
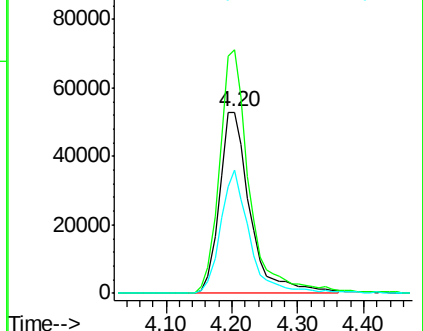
98 68.1 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.526 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Tgt Ion: 45 Resp: 492341

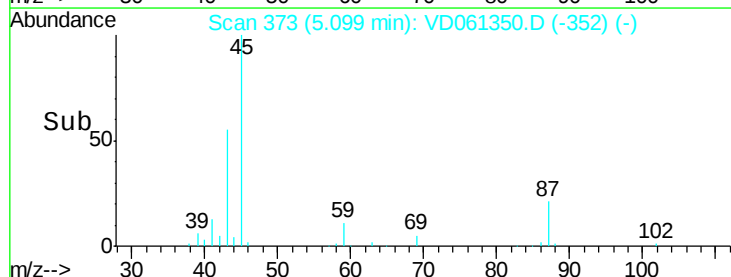
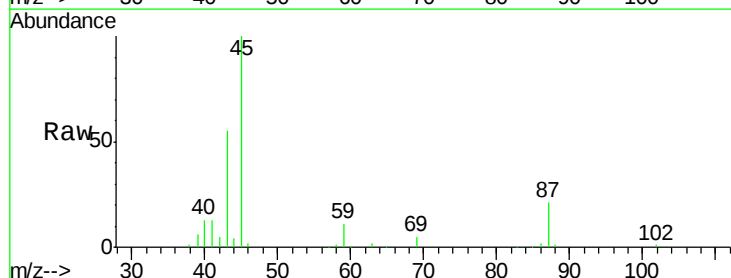
Ion Ratio Lower Upper

45 100

43 55.3 47.4 71.2

87 21.1 16.3 24.5

59 10.6 8.4 12.6

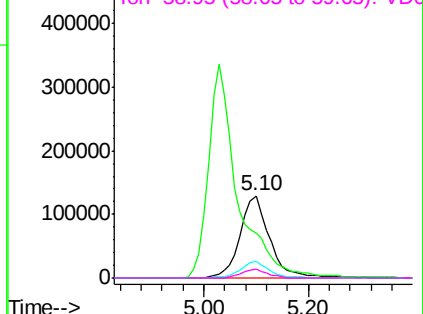


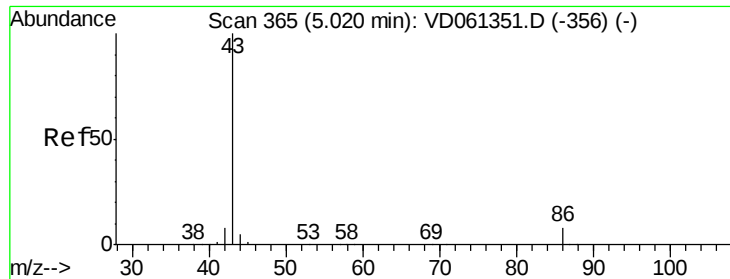
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.970 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

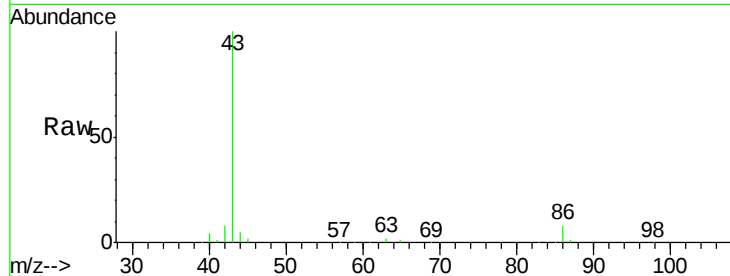
VSTDIC020

Tgt Ion: 43 Resp: 1283787

Ion Ratio Lower Upper

43 100

86 8.4 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.03

300000

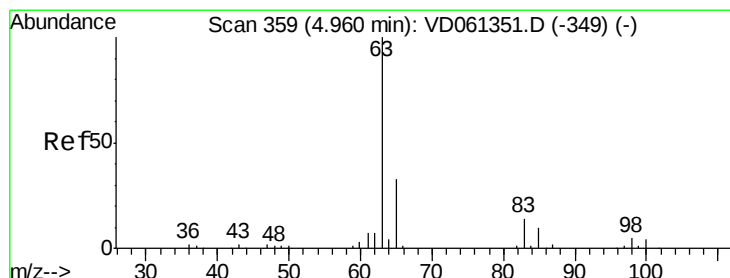
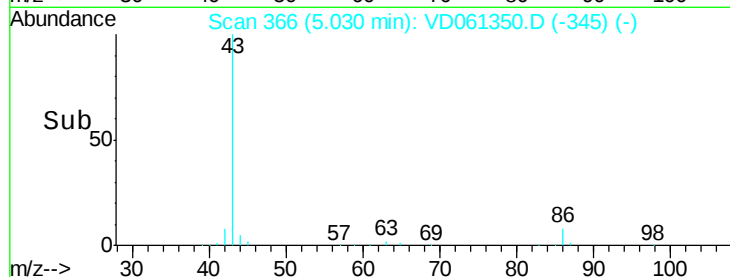
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 20.070 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

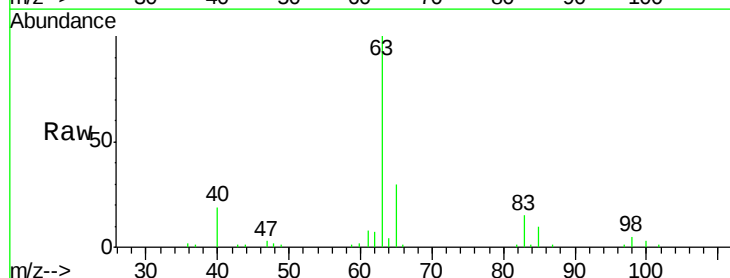
Tgt Ion: 63 Resp: 269923

Ion Ratio Lower Upper

63 100

98 4.5 2.6 8.0

100 3.4 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.96

80000

60000

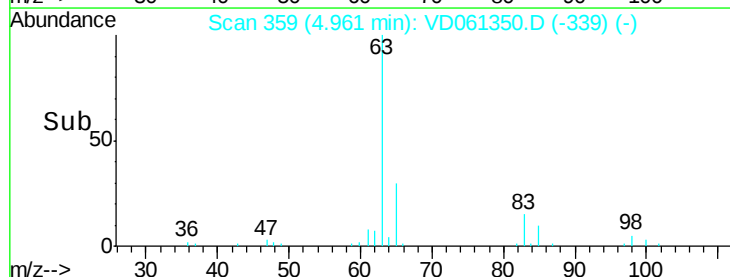
40000

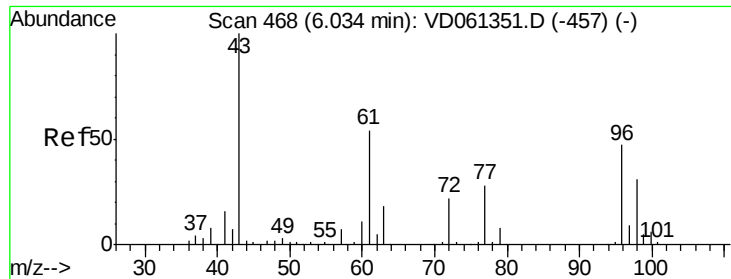
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 97.482 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

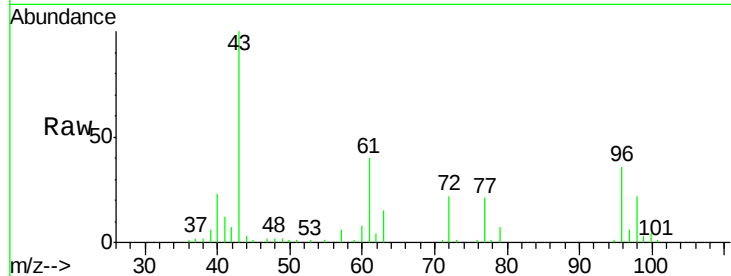
VSTDIC020

Tgt Ion: 43 Resp: 194178

Ion Ratio Lower Upper

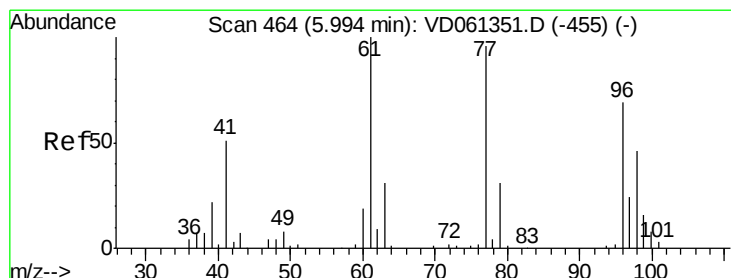
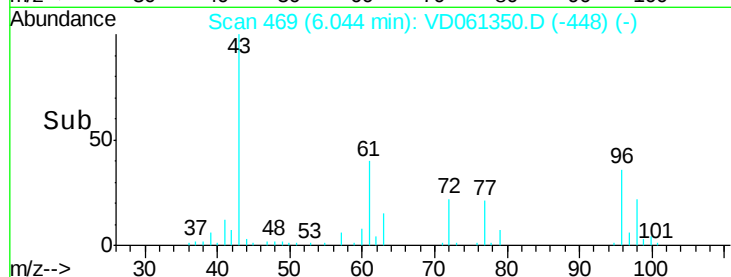
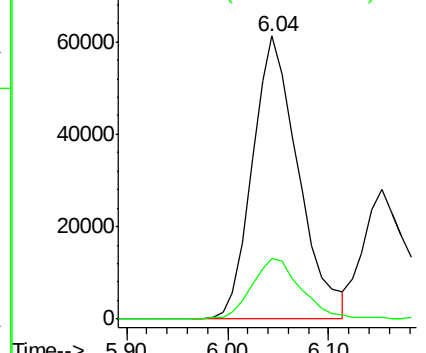
43 100

72 21.6 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.408 ug/l

RT: 6.00 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD061350.D

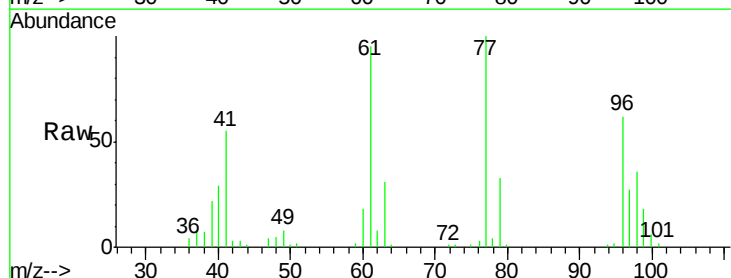
Acq: 27 Mar 2019 12:39

Tgt Ion: 77 Resp: 207199

Ion Ratio Lower Upper

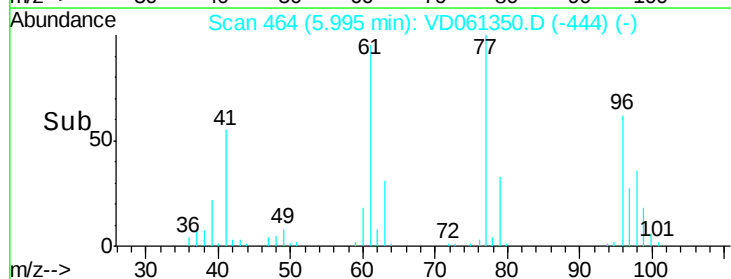
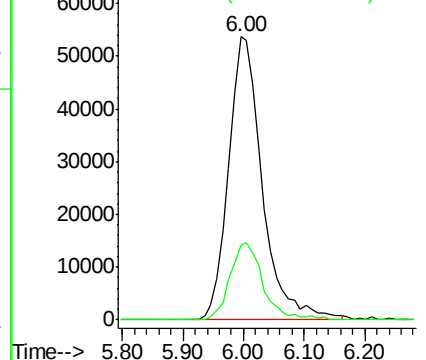
77 100

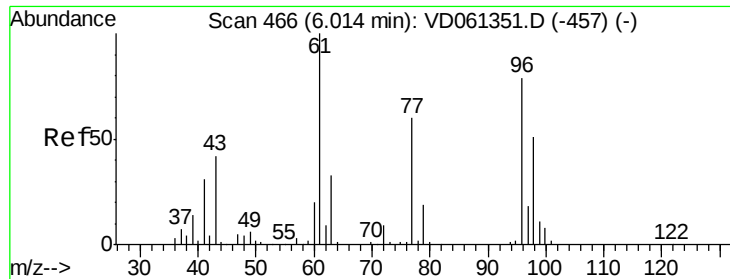
97 26.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



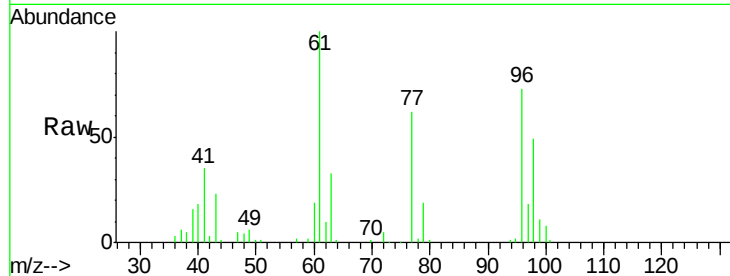


#27

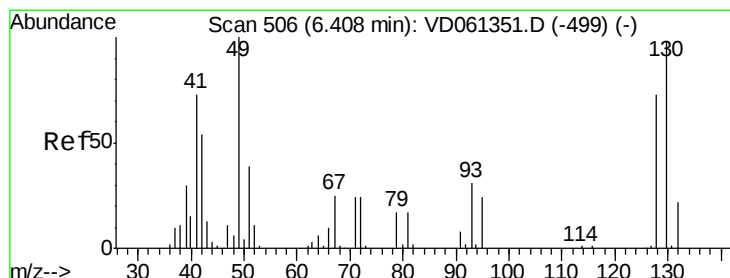
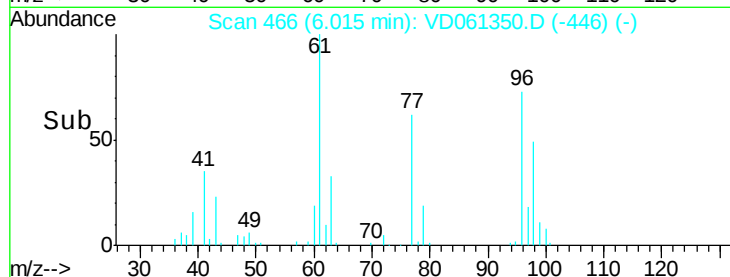
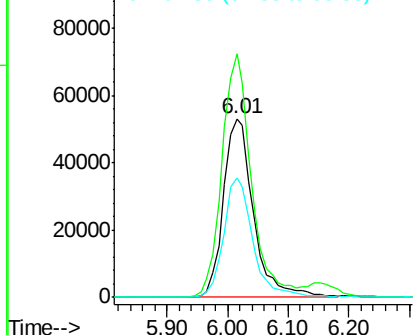
cis-1,2-Dichloroethene
 Concen: 19.980 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 182921
 Ion Ratio Lower Upper
 96 100
 61 136.1 0.0 251.6
 98 66.5 0.0 129.2



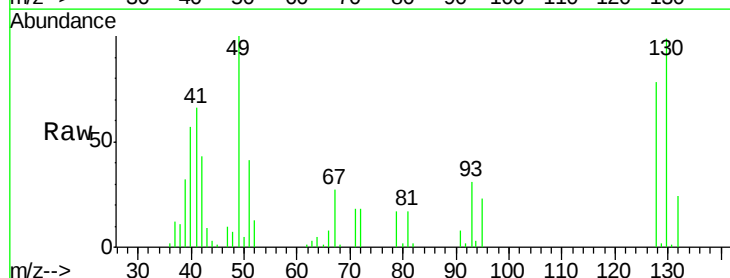
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



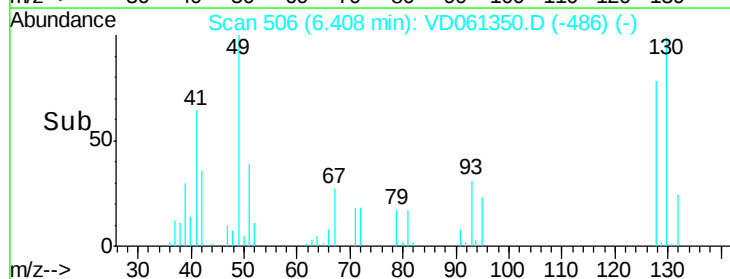
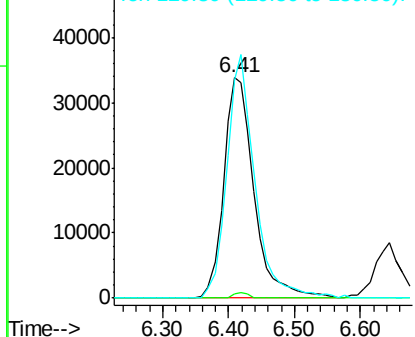
#28

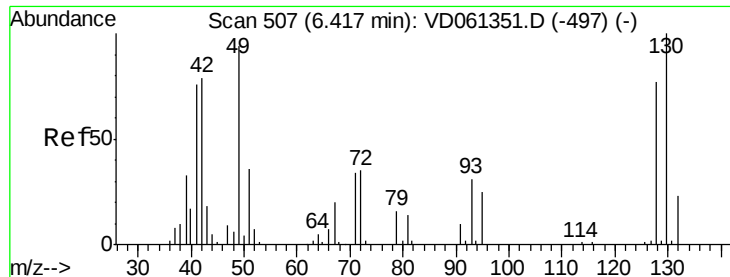
Bromochloromethane
 Concen: 20.014 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 49 Resp: 108463
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 0.0#
 130 98.8 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

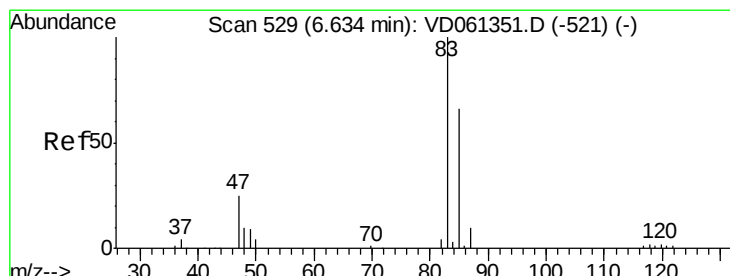
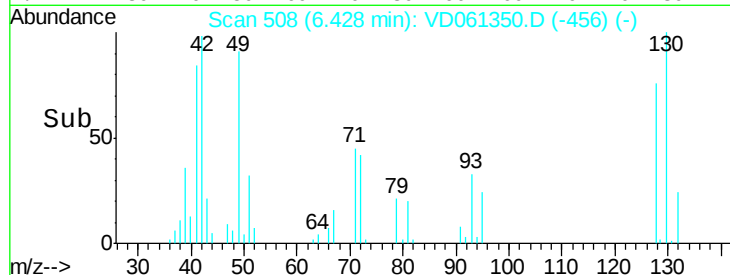
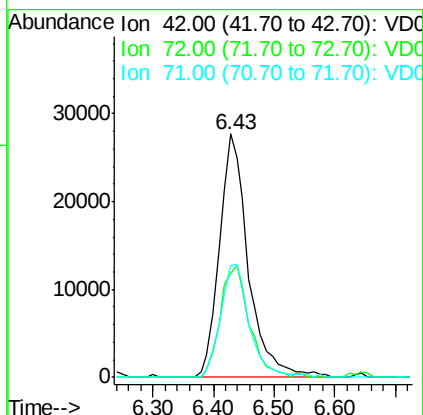
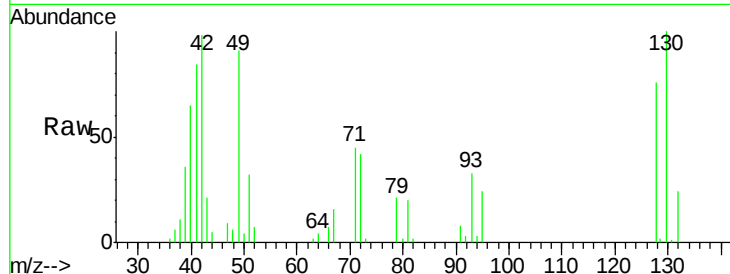




#29
Tetrahydrofuran
Concen: 94.884 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

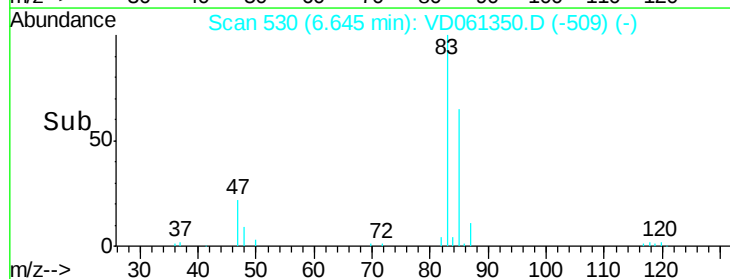
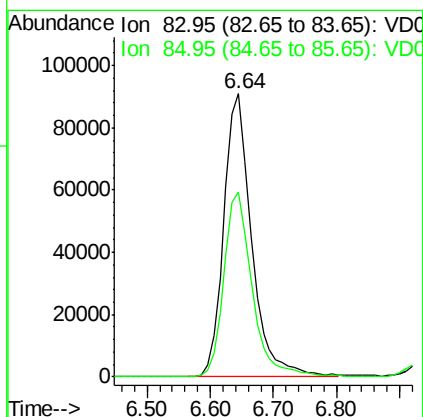
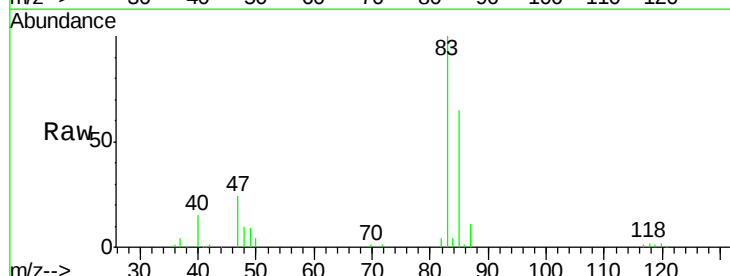
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

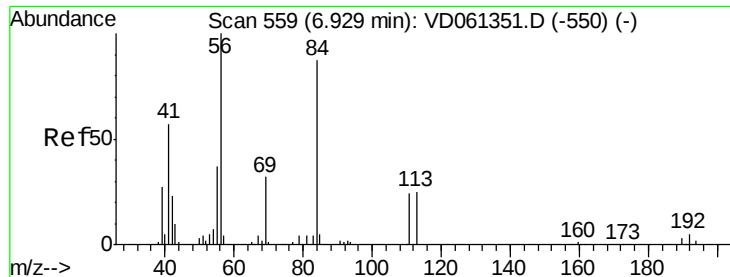
Tgt Ion: 42 Resp: 91606
Ion Ratio Lower Upper
42 100
72 45.9 37.4 56.0
71 46.9 36.7 55.1



#30
Chloroform
Concen: 20.160 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 83 Resp: 279661
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.4

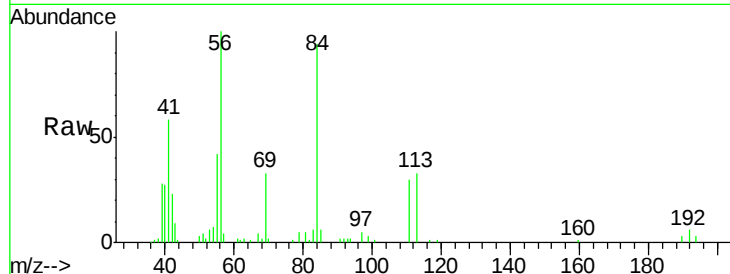




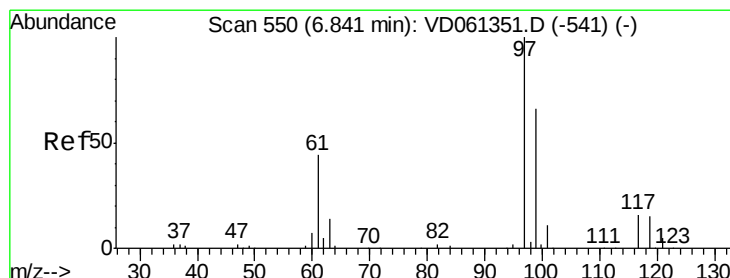
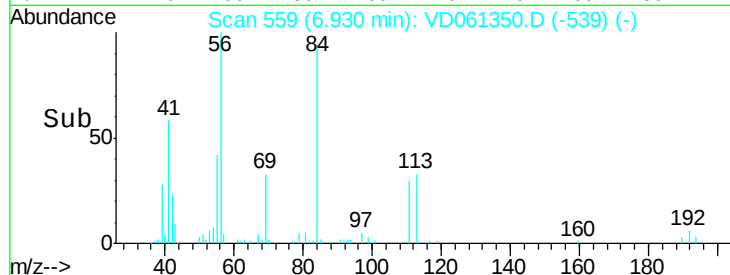
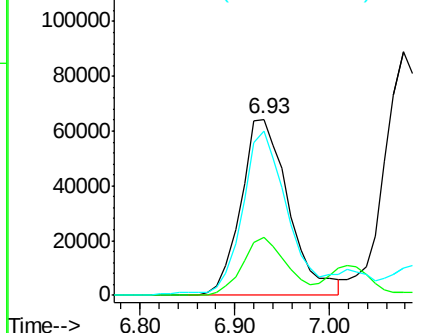
#31
Cyclohexane
Concen: 21.266 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 225615
Ion Ratio Lower Upper
56 100
69 33.0 25.7 38.5
84 93.5 70.6 105.8

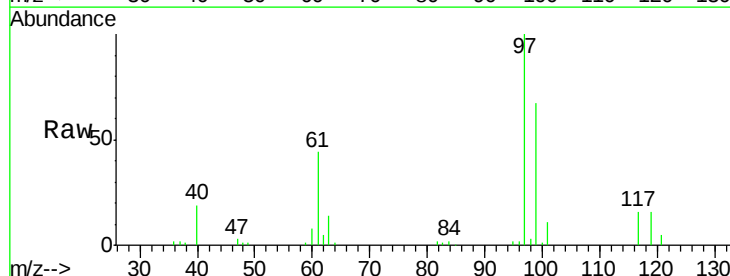


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

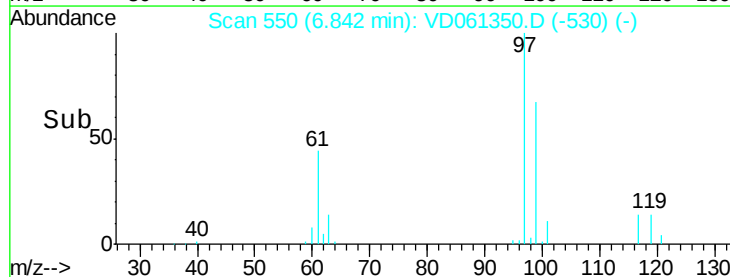
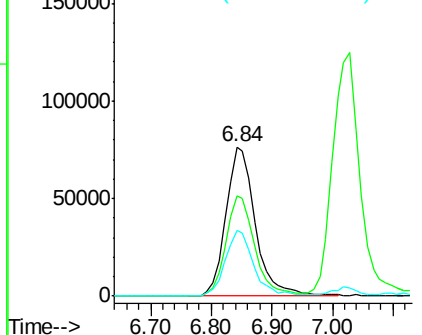


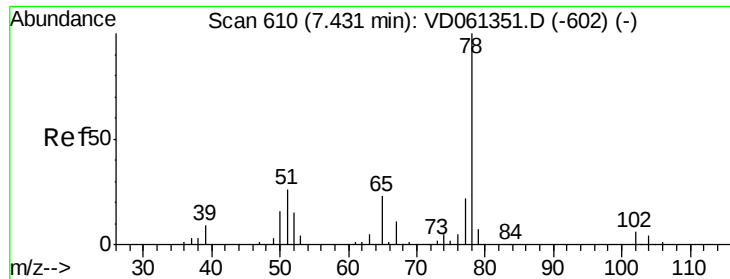
#32
1,1,1-Trichloroethane
Concen: 21.094 ug/l
RT: 6.84 min Scan# 550
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 97 Resp: 258152
Ion Ratio Lower Upper
97 100
99 67.2 53.1 79.7
61 44.1 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.094 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

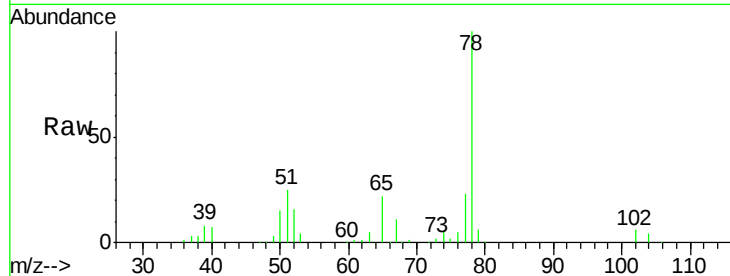
VSTDIC020

Tgt Ion: 65 Resp: 123539

Ion Ratio Lower Upper

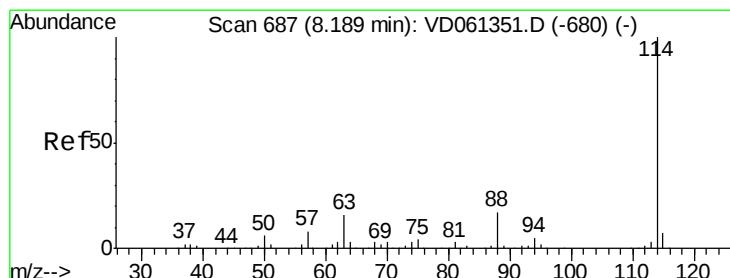
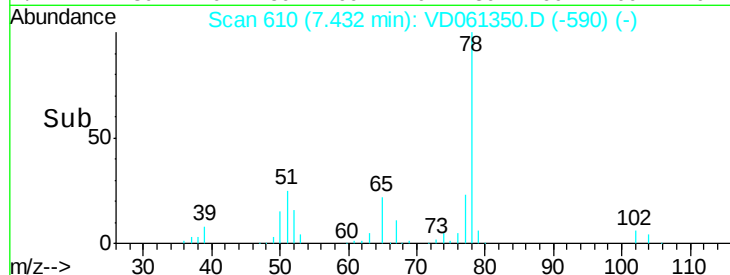
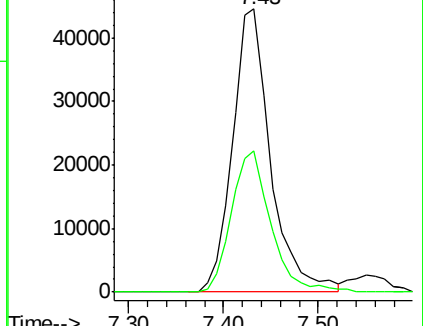
65 100

67 49.9 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

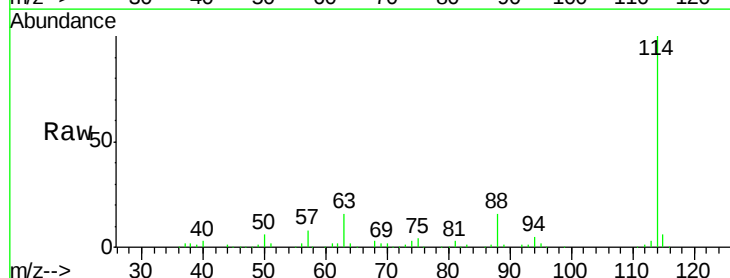
Tgt Ion: 114 Resp: 1276572

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.6

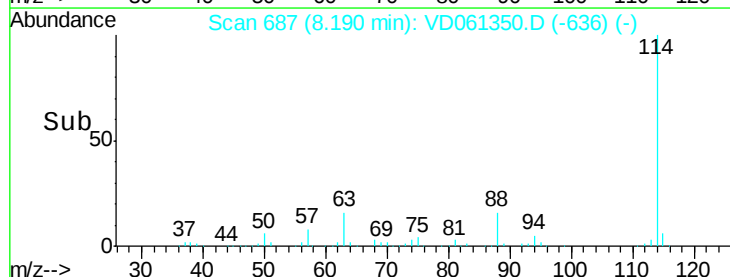
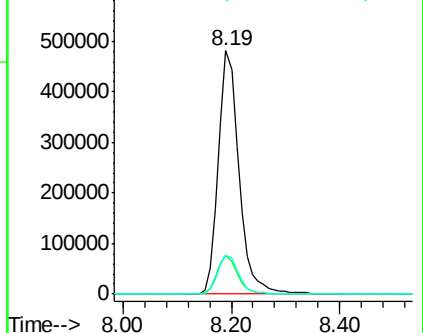
88 15.8 0.0 33.4

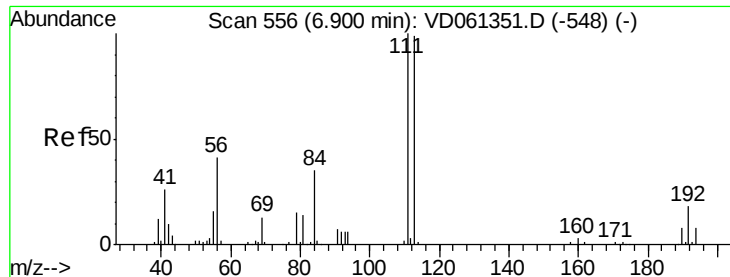


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

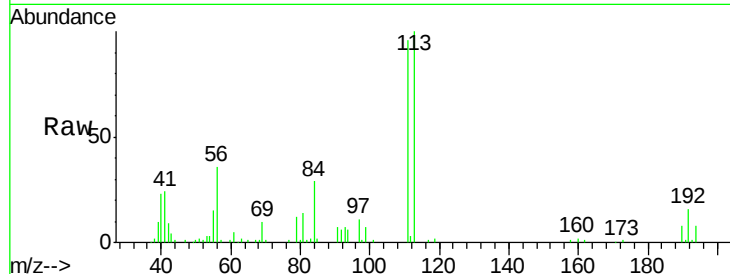
Tgt Ion:113 Resp: 190948

Ion Ratio Lower Upper

113 100

111 96.4 81.0 121.6

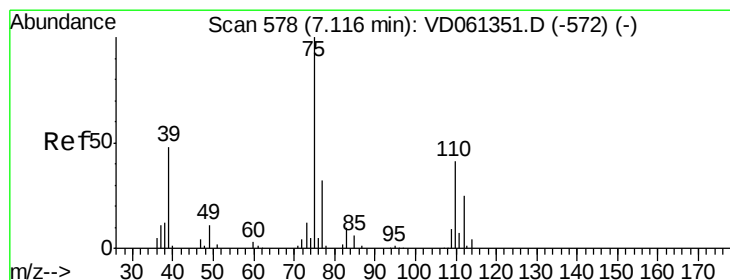
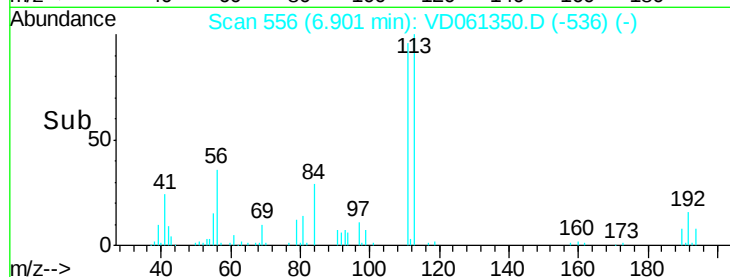
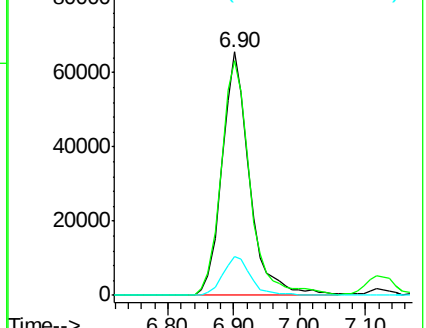
192 16.2 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.093 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

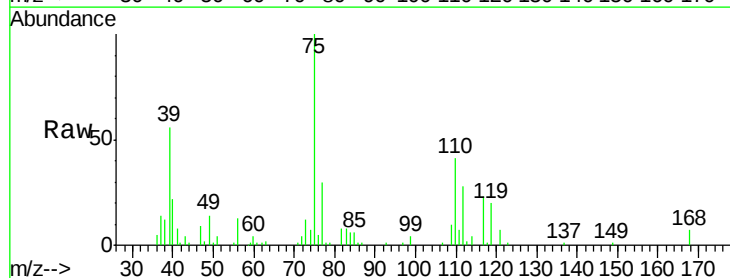
Tgt Ion: 75 Resp: 212731

Ion Ratio Lower Upper

75 100

110 40.8 20.4 61.3

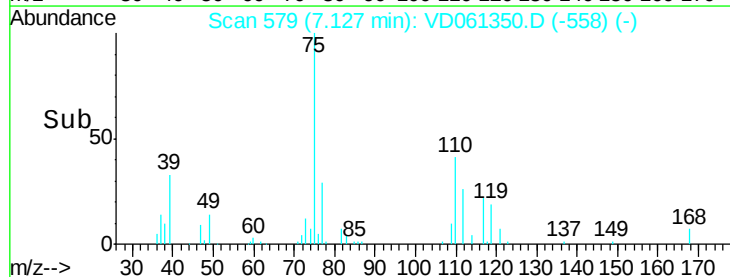
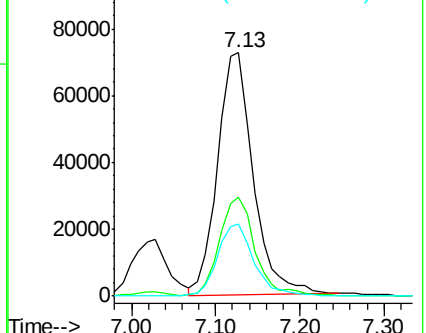
77 29.7 24.9 37.3

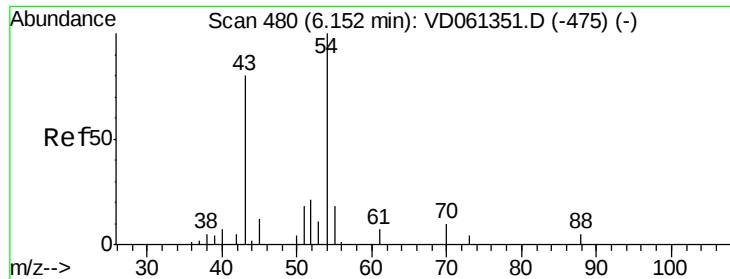


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

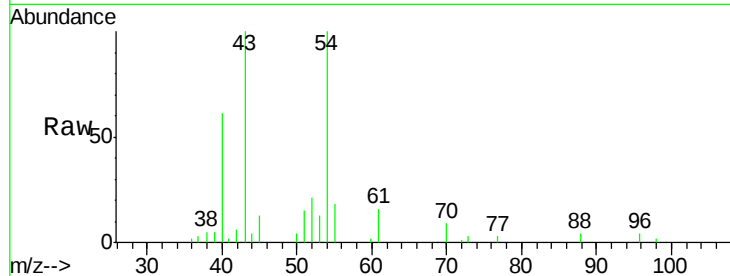




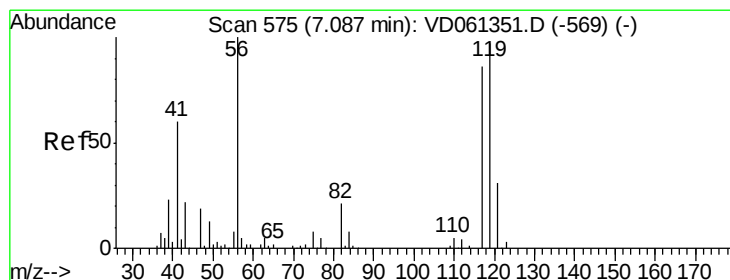
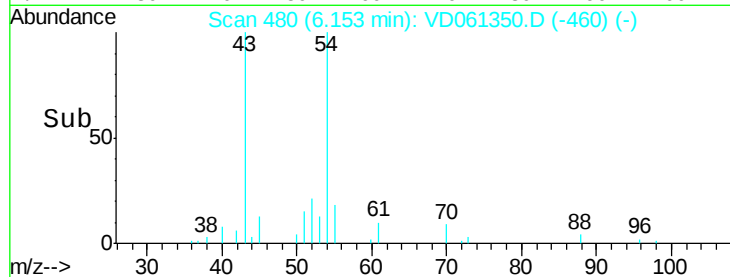
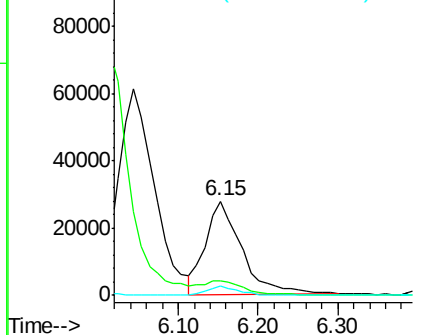
#37
 Ethyl Acetate
 Concen: 18.337 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 87326
 Ion Ratio Lower Upper
 43 100
 61 16.0 13.8 20.8
 70 9.4 7.8 11.8

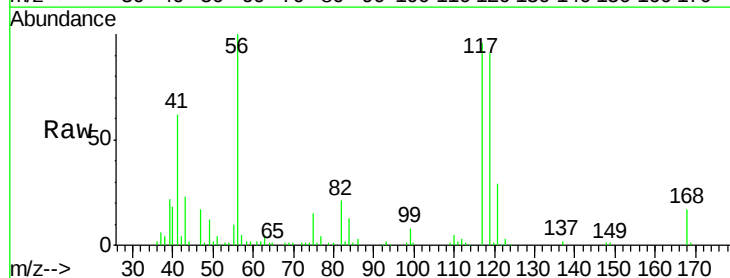


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

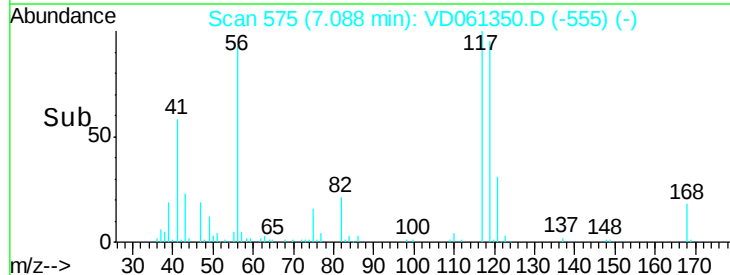
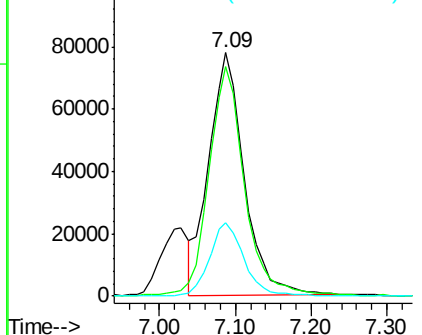


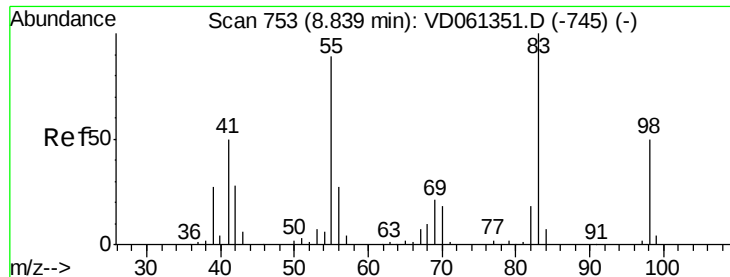
#38
 Carbon Tetrachloride
 Concen: 19.490 ug/l
 RT: 7.09 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 117 Resp: 252425
 Ion Ratio Lower Upper
 117 100
 119 94.5 80.1 120.1
 121 29.9 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

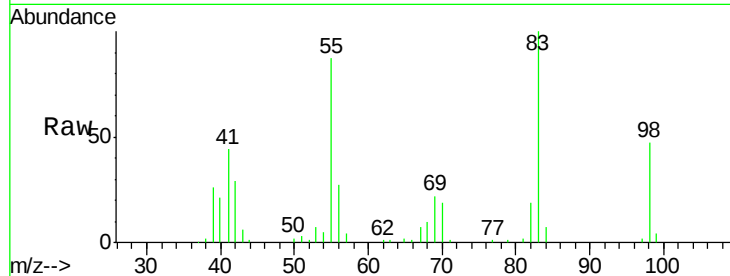




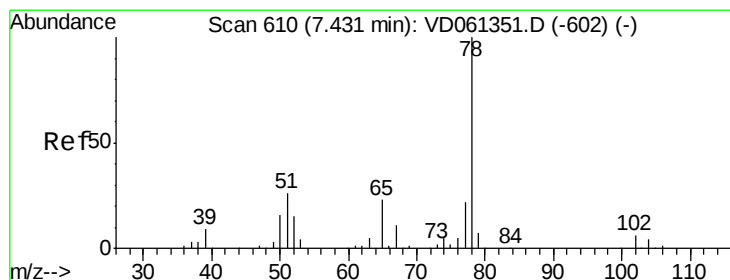
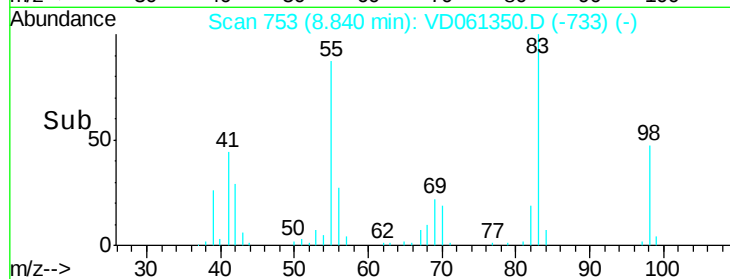
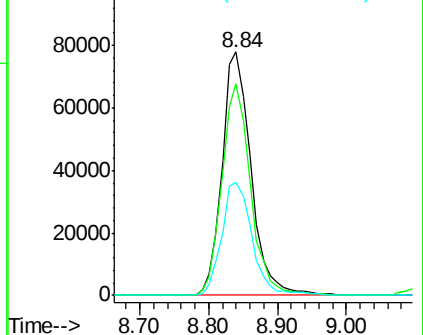
#39
Methylcyclohexane
Concen: 19.533 ug/l
RT: 8.84 min Scan# 753
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 226656
Ion Ratio Lower Upper
83 100
55 86.9 71.5 107.3
98 46.6 40.3 60.5

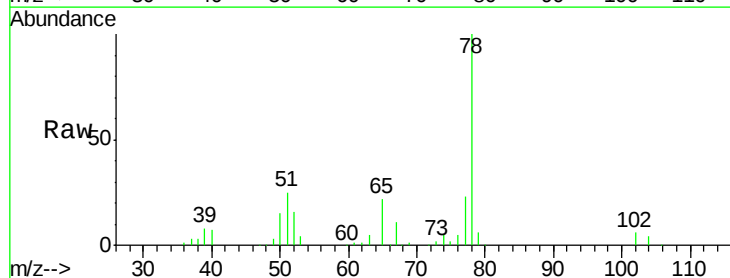


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

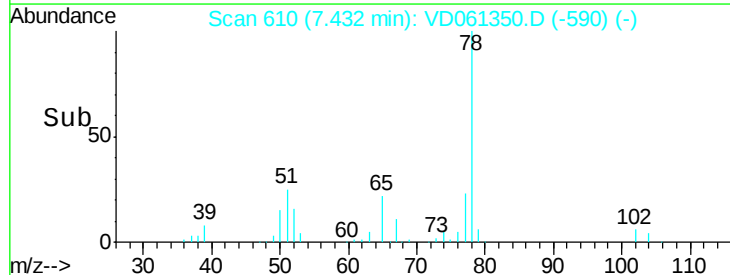
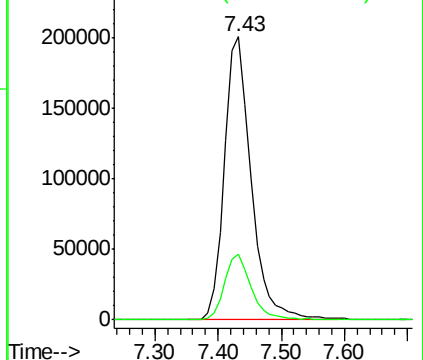


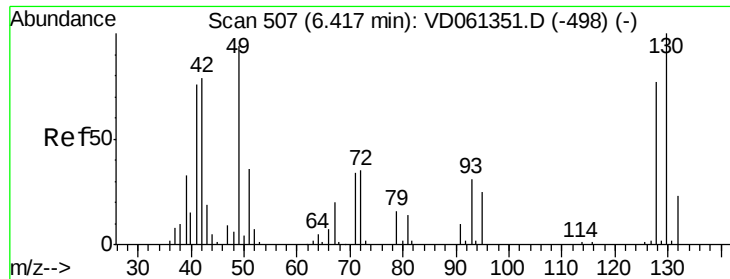
#40
Benzene
Concen: 21.117 ug/l
RT: 7.43 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 78 Resp: 590482
Ion Ratio Lower Upper
78 100
77 23.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 18.604 ug/l

RT: 6.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 103689

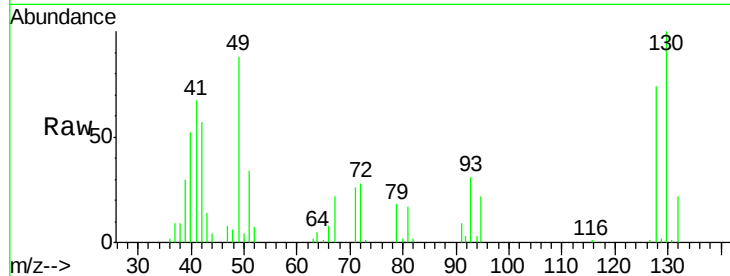
Ion Ratio Lower Upper

41 100

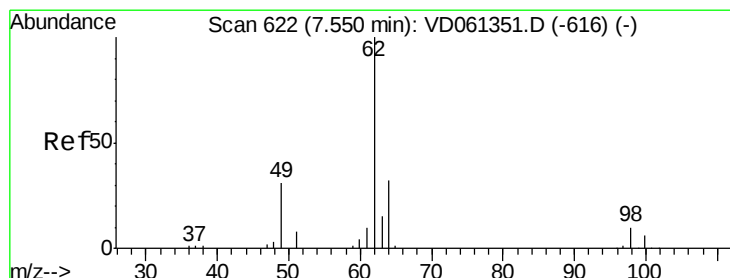
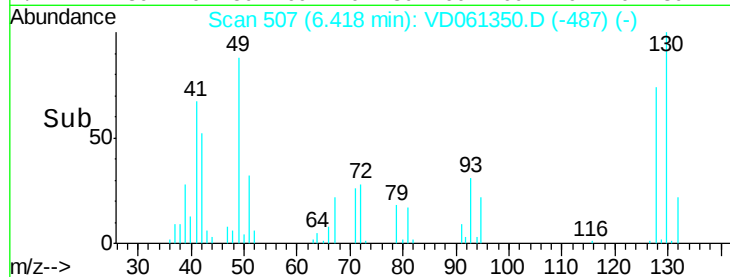
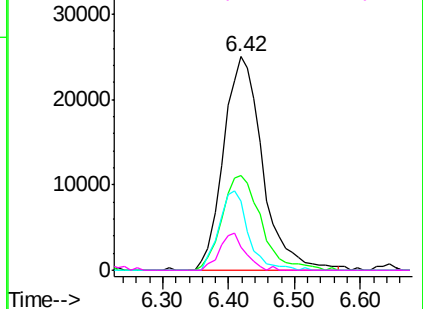
39 44.2 35.0 52.6

67 32.3 21.0 31.6#

52 11.1 7.7 11.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.519 ug/l

RT: 7.56 min Scan# 623

Delta R.T. 0.01 min

Lab File: VD061350.D

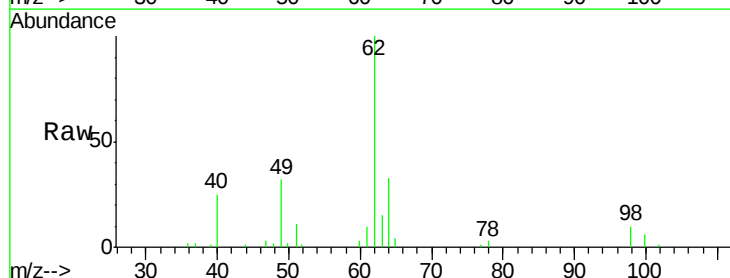
Acq: 27 Mar 2019 12:39

Tgt Ion: 62 Resp: 163259

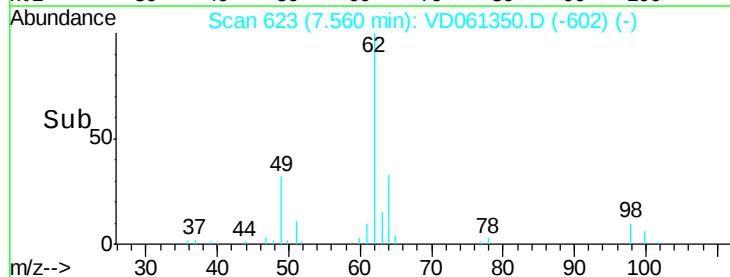
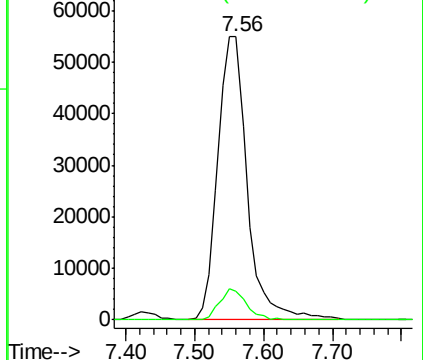
Ion Ratio Lower Upper

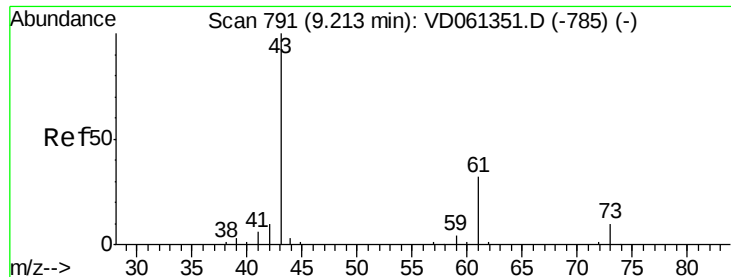
62 100

98 9.9 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.982 ug/l

RT: 9.21 min Scan# 791

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

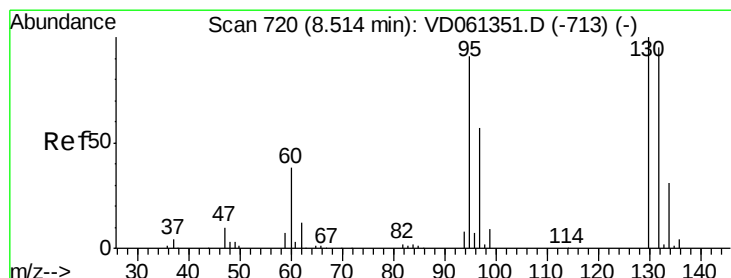
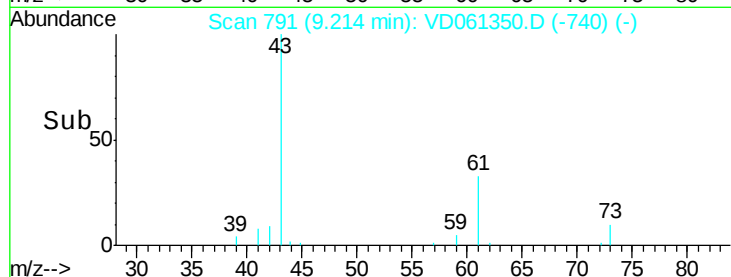
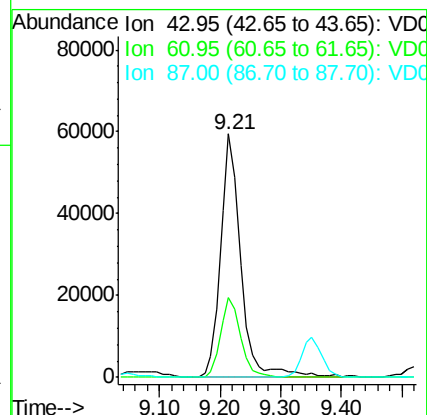
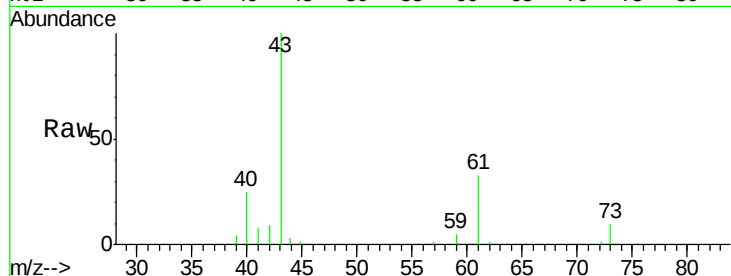
Tgt Ion: 43 Resp: 138538

Ion Ratio Lower Upper

43 100

61 32.8 25.8 38.6

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 19.169 ug/l

RT: 8.52 min Scan# 720

Delta R.T. 0.00 min

Lab File: VD061350.D

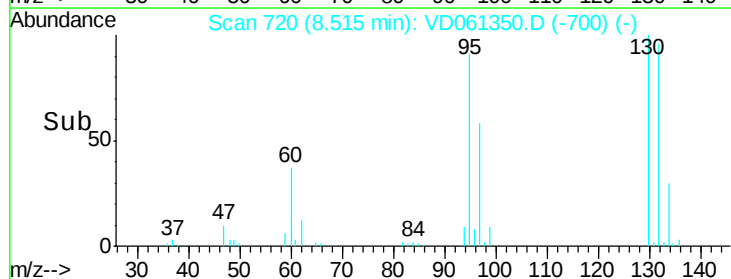
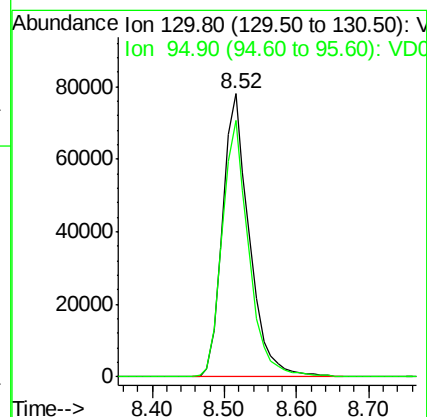
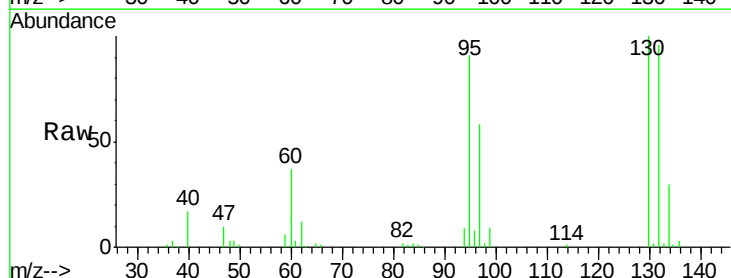
Acq: 27 Mar 2019 12:39

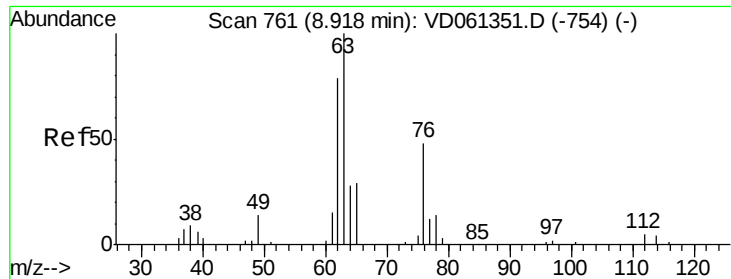
Tgt Ion: 130 Resp: 199478

Ion Ratio Lower Upper

130 100

95 90.8 0.0 181.4





#45

1,2-Dichloropropane

Concen: 20.170 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

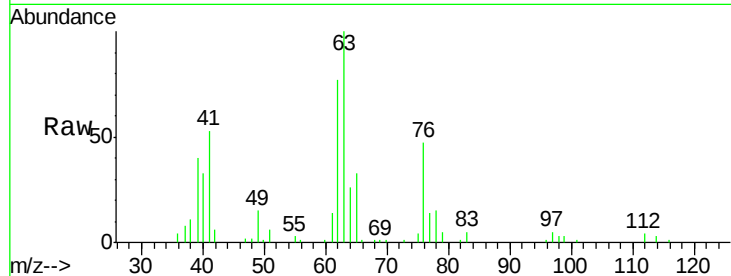
VSTDIC020

Tgt Ion: 63 Resp: 143013

Ion Ratio Lower Upper

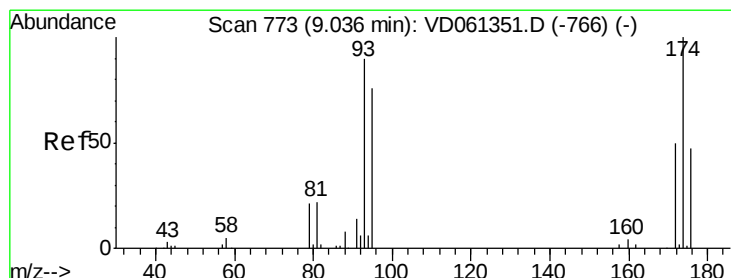
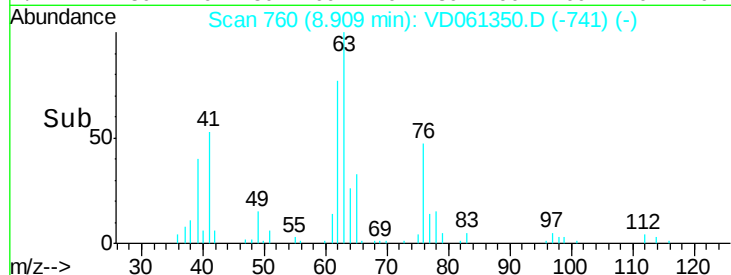
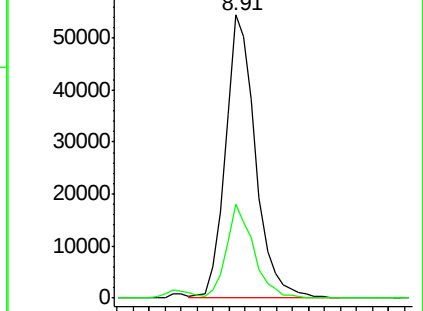
63 100

65 33.3 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.680 ug/l

RT: 9.04 min Scan# 773

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

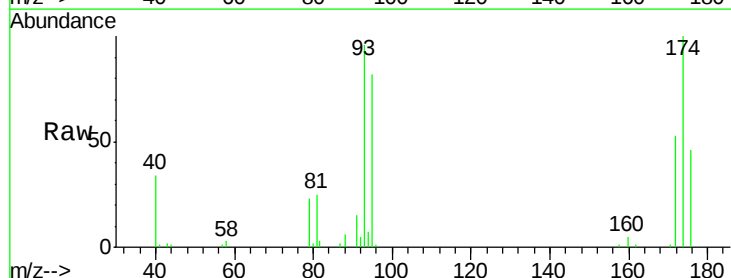
Tgt Ion: 93 Resp: 93920

Ion Ratio Lower Upper

93 100

95 85.8 67.4 101.0

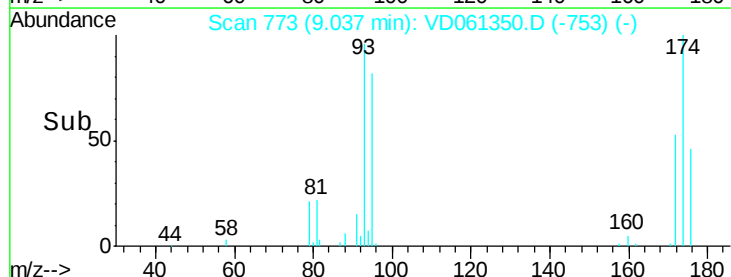
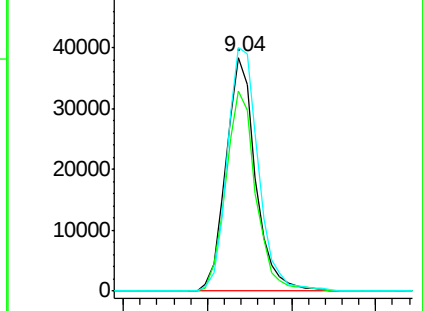
174 104.1 88.9 133.3

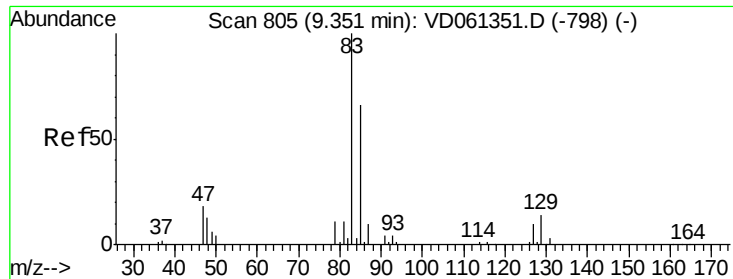


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.641 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

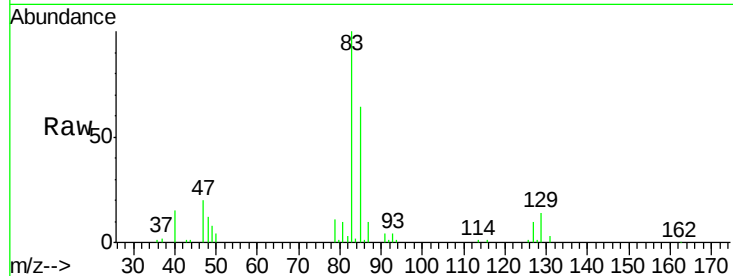
Tgt Ion: 83 Resp: 221097

Ion Ratio Lower Upper

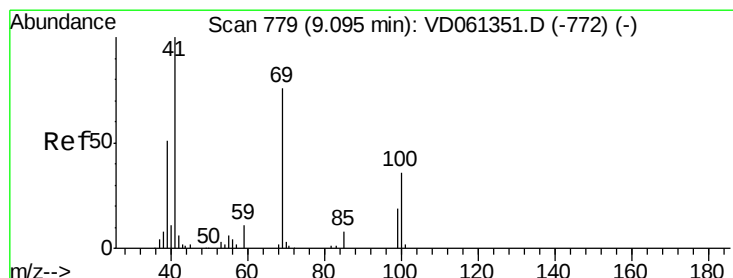
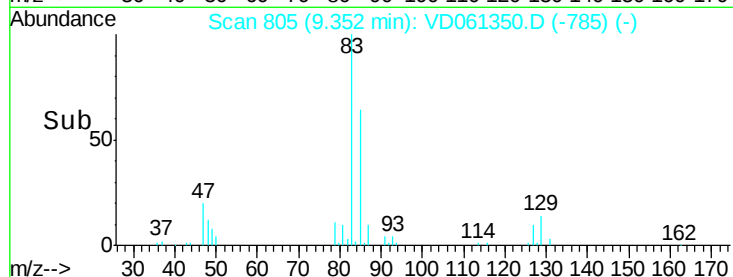
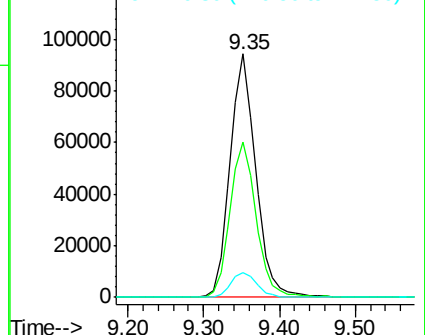
83 100

85 64.0 53.0 79.4

127 10.3 8.4 12.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.358 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

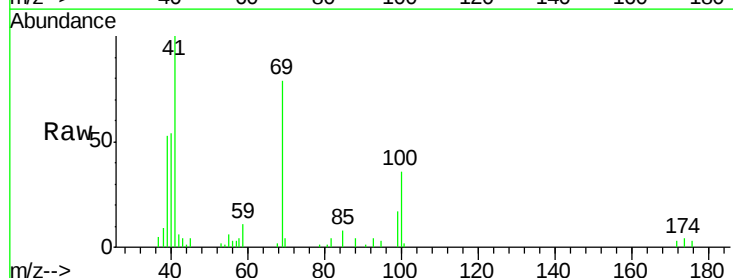
Tgt Ion: 41 Resp: 77895

Ion Ratio Lower Upper

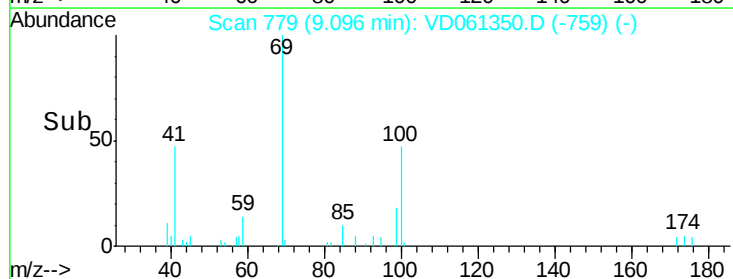
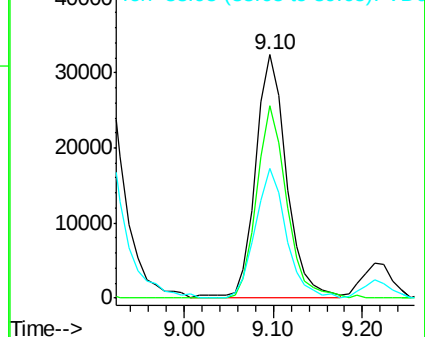
41 100

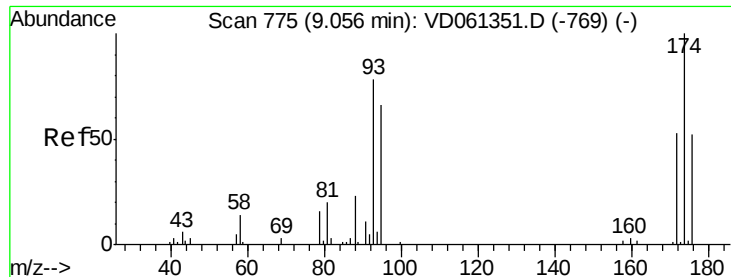
69 78.8 60.2 90.4

39 53.3 41.4 62.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

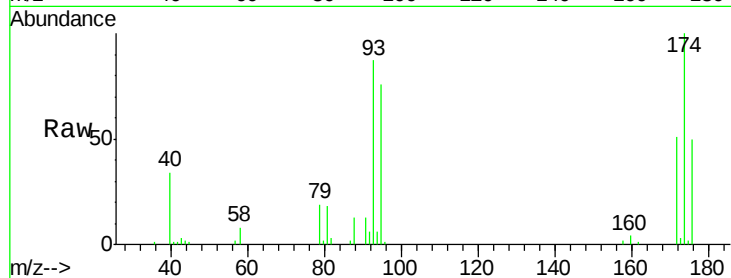




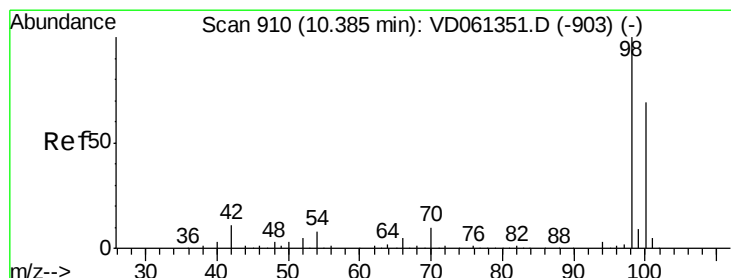
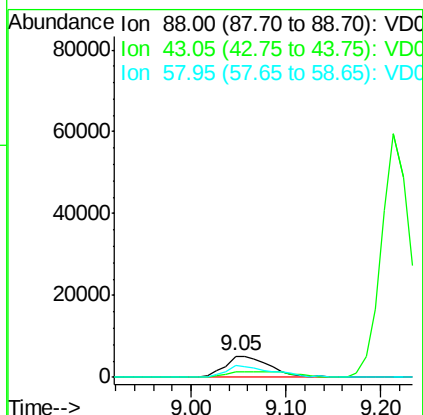
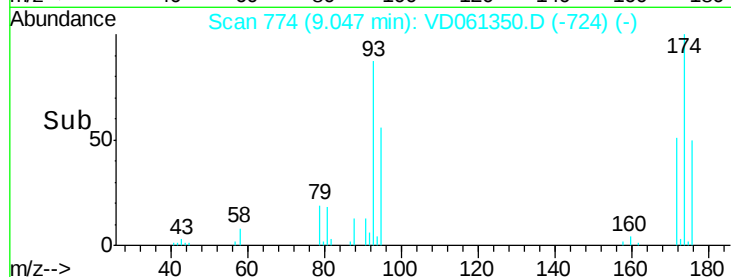
#49
1,4-Dioxane
Concen: 393.456 ug/l
RT: 9.05 min Scan# 774
Delta R.T. -0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 16605
Ion Ratio Lower Upper
88 100
43 25.4 23.3 34.9
58 57.4 50.8 76.2

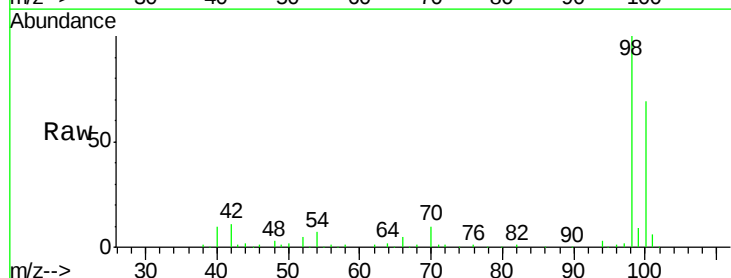


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

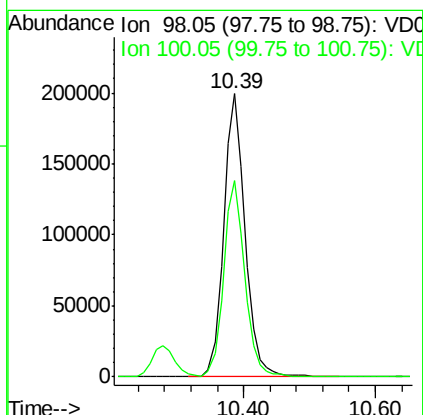
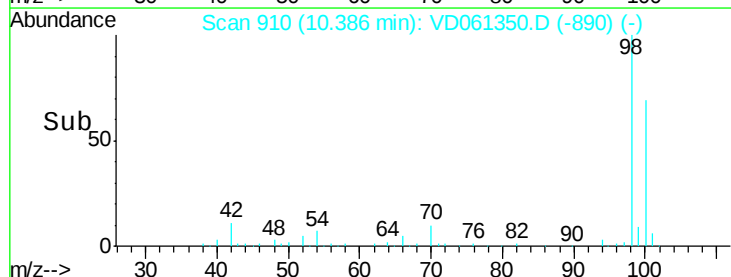


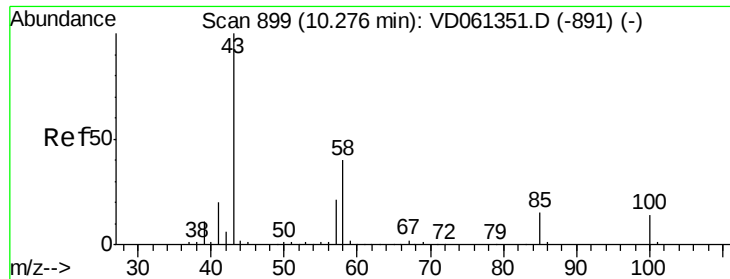
#50
Toluene-d8
Concen: 393.456 ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 98 Resp: 450343
Ion Ratio Lower Upper
98 100
100 69.4 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

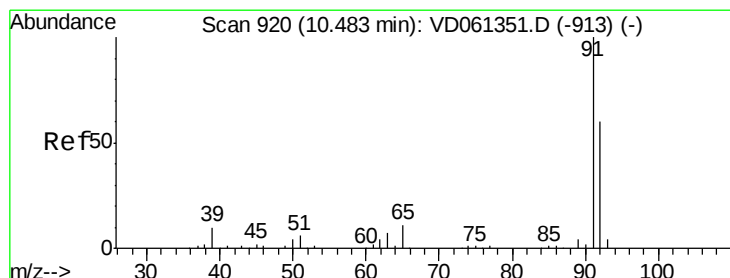
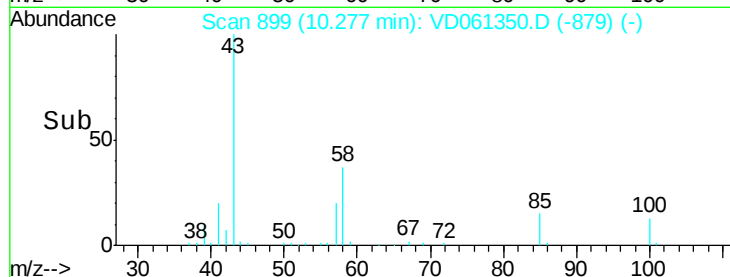
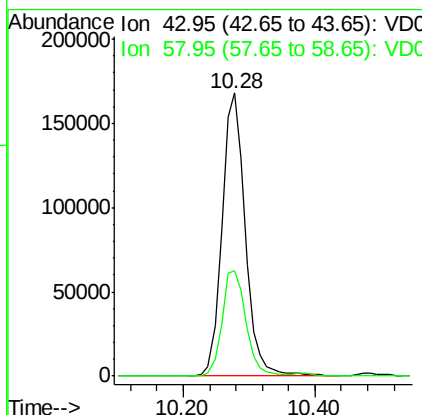
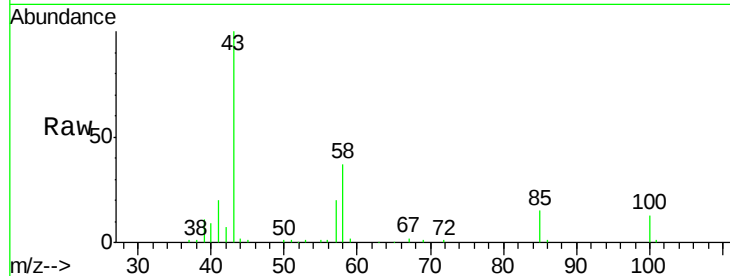




#51
4-Methyl-2-Pentanone
Concen: 98.344 ug/l
RT: 10.28 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

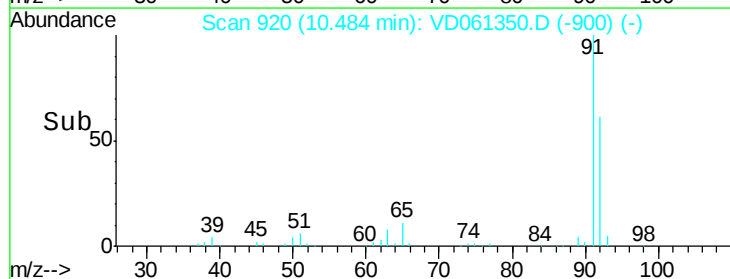
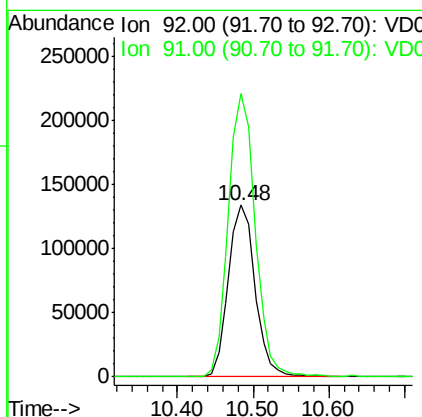
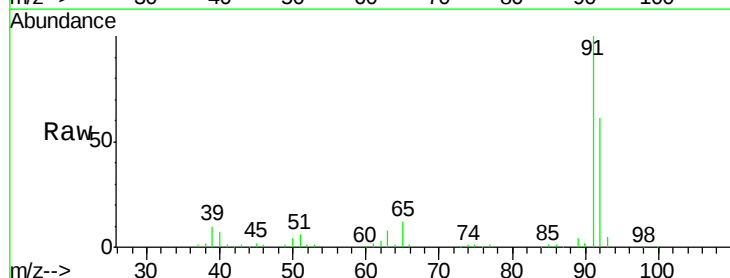
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

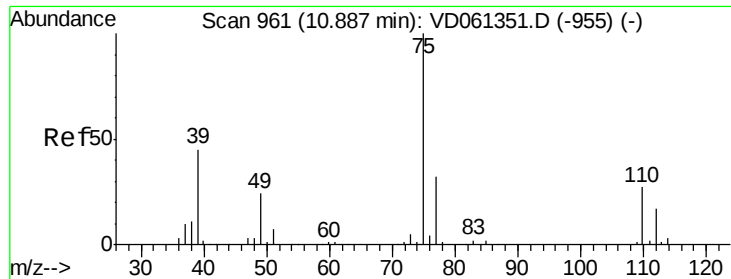
Tgt Ion: 43 Resp: 414723
Ion Ratio Lower Upper
43 100
58 37.2 31.8 47.8



#52
Toluene
Concen: 19.205 ug/l
RT: 10.48 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion: 92 Resp: 327625
Ion Ratio Lower Upper
92 100
91 164.8 133.3 199.9

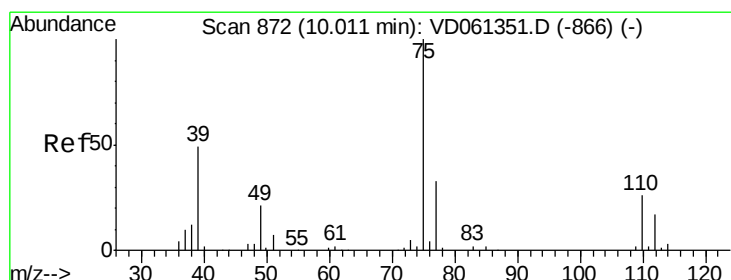
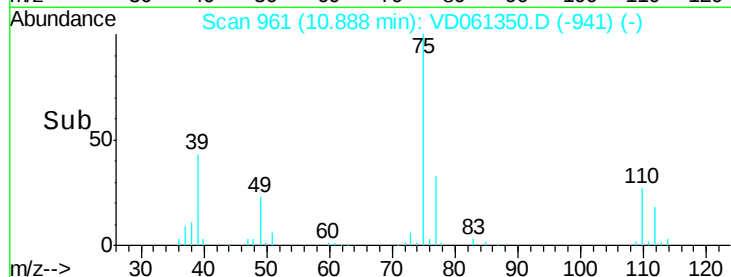
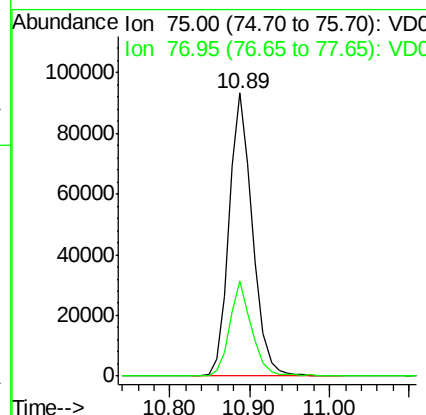
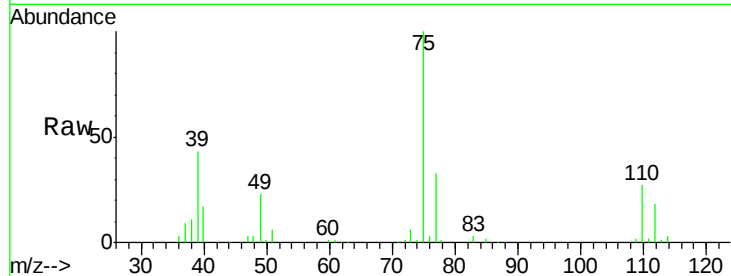




#53
 t-1,3-Dichloropropene
 Concen: 19.785 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

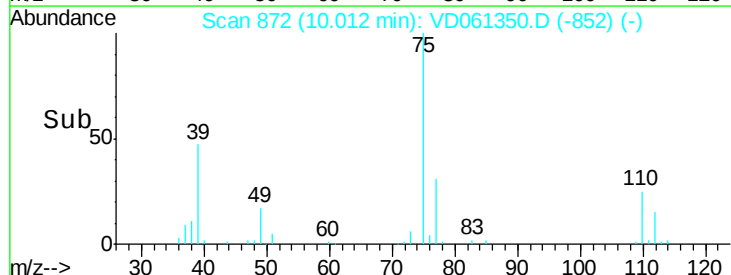
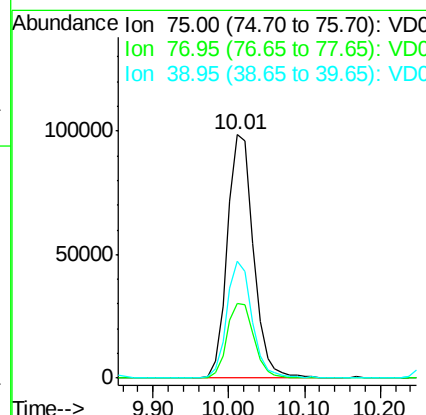
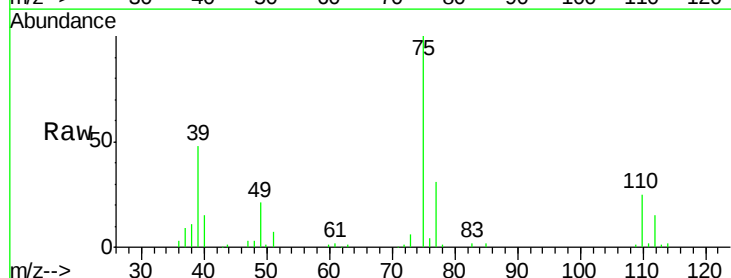
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

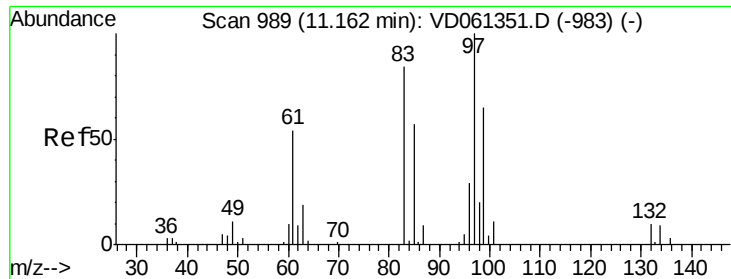
Tgt Ion: 75 Resp: 192544
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.887 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 75 Resp: 235665
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.2 39.4
 39 48.1 39.4 59.0

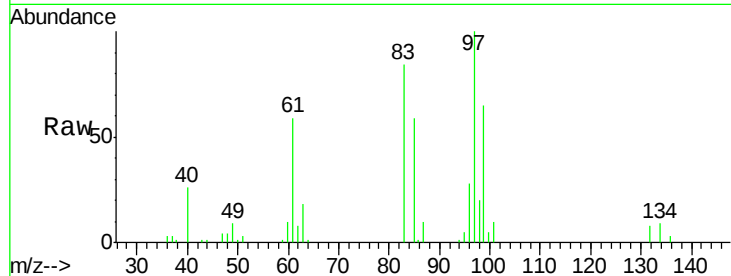




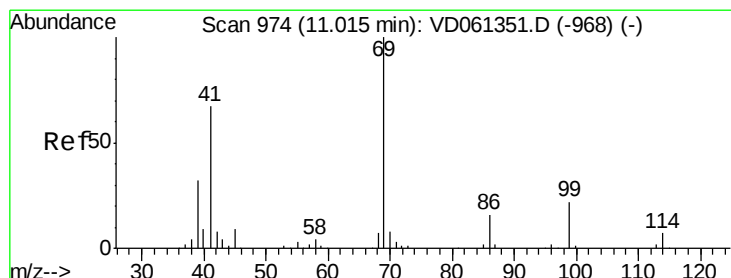
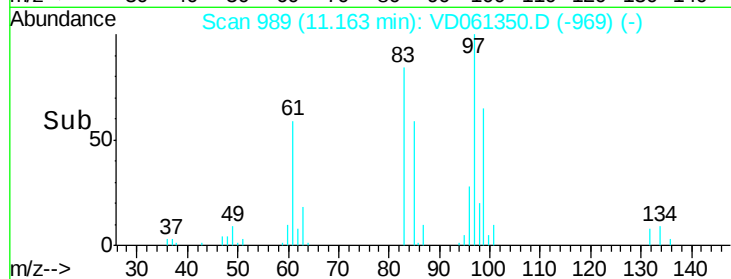
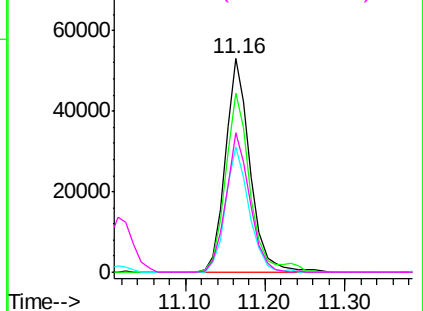
#55
 1,1,2-Trichloroethane
 Concen: 19.333 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	115342
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	58.9	45.4	68.2
99	65.2	51.9	77.9

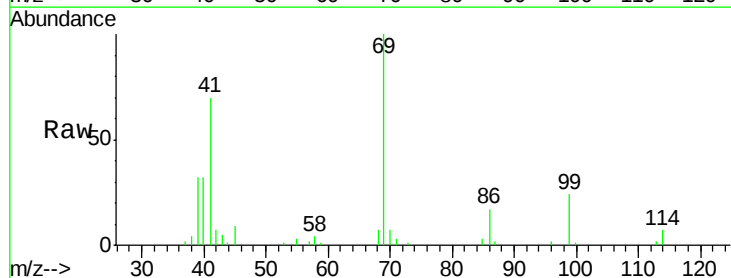


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

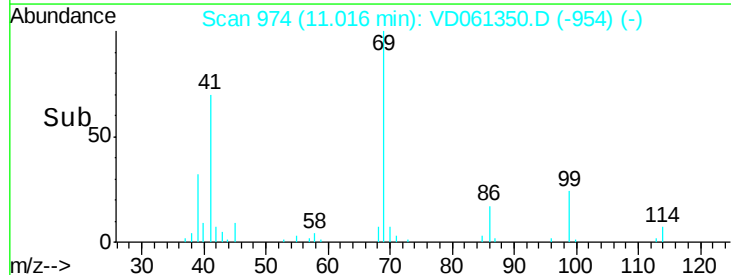
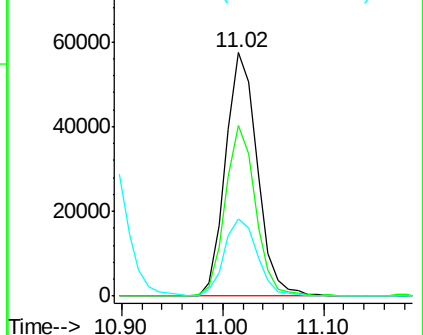


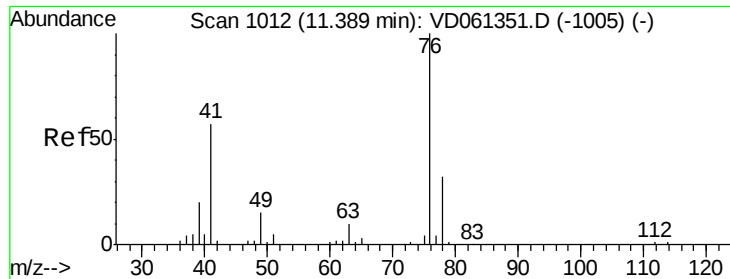
#56
 Ethyl methacrylate
 Concen: 19.559 ug/l
 RT: 11.02 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion:	69	Resp:	125352
Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.8	80.6
39	31.7	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

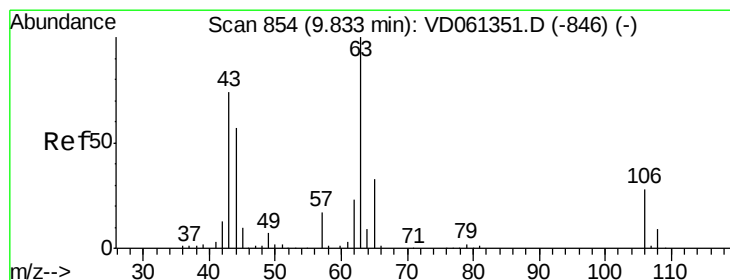
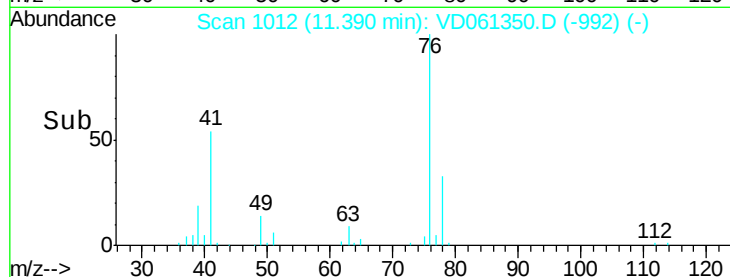
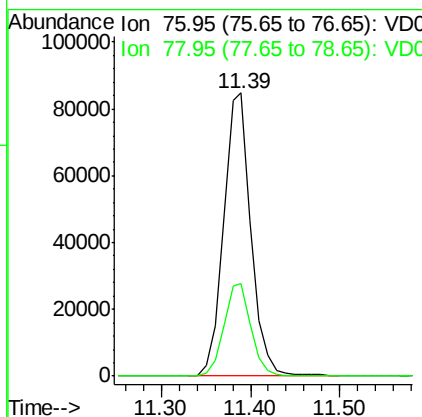
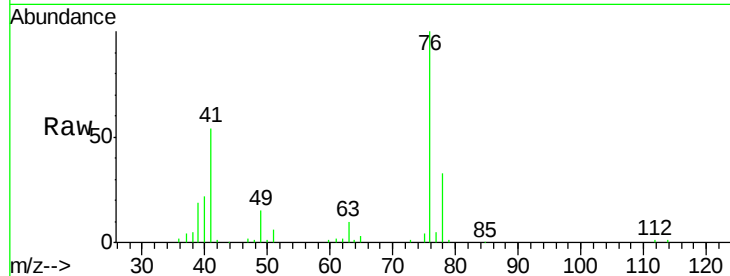




#57
 1,3-Dichloropropane
 Concen: 20.784 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

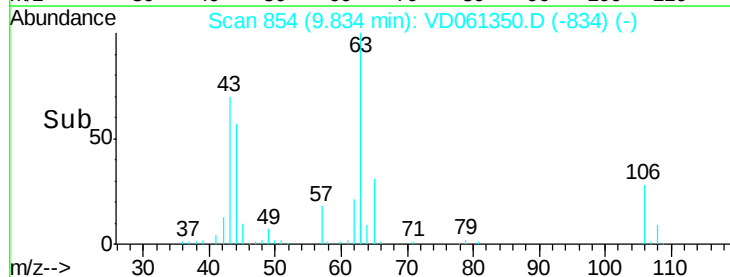
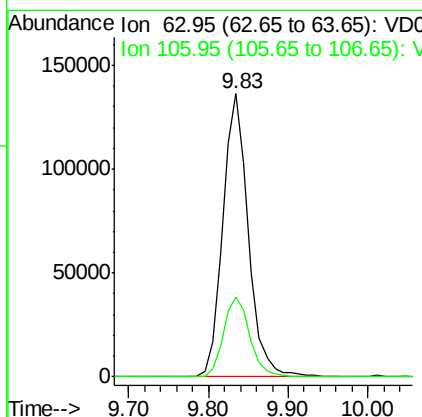
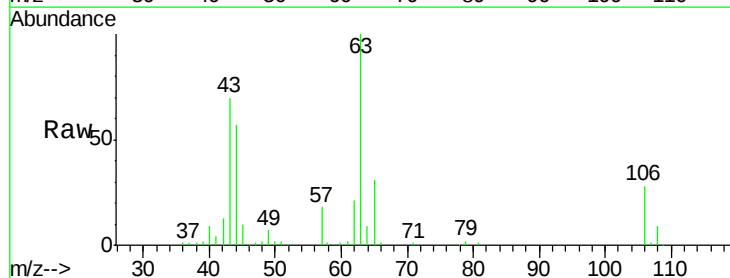
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

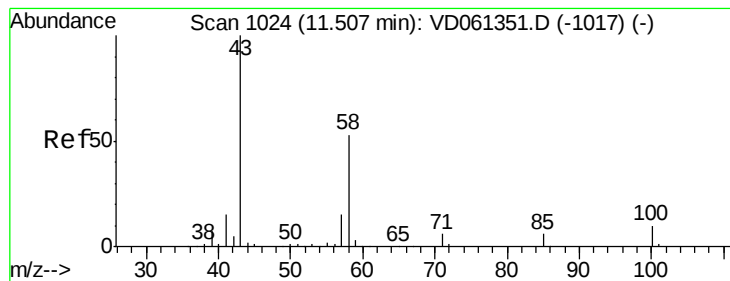
Tgt Ion: 76 Resp: 182256
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.018 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 63 Resp: 305931
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.4 33.6





#59

2-Hexanone

Concen: 100.288 ug/l

RT: 11.51 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

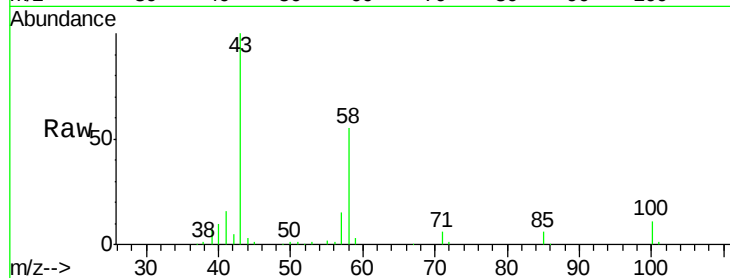
VSTDIC020

Tgt Ion: 43 Resp: 306485

Ion Ratio Lower Upper

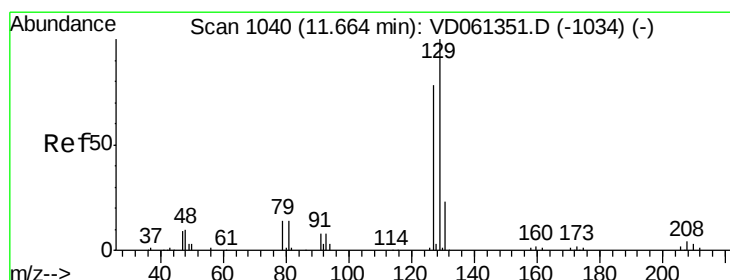
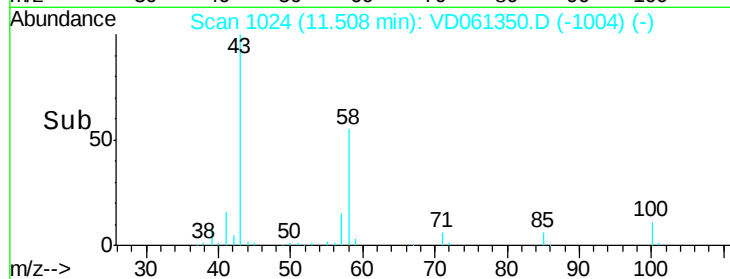
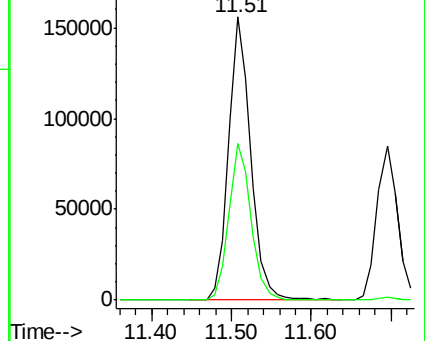
43 100

58 55.2 26.3 78.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 19.504 ug/l

RT: 11.67 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VD061350.D

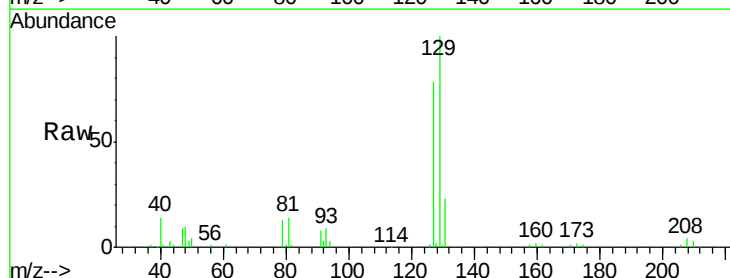
Acq: 27 Mar 2019 12:39

Tgt Ion: 129 Resp: 179382

Ion Ratio Lower Upper

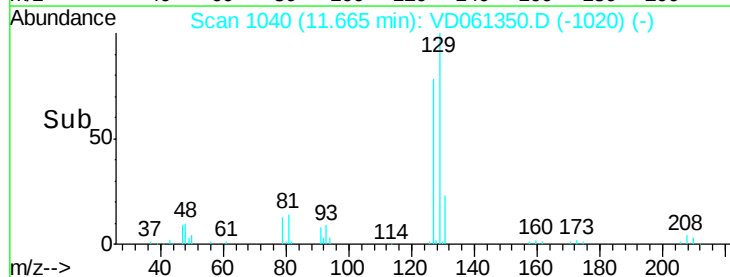
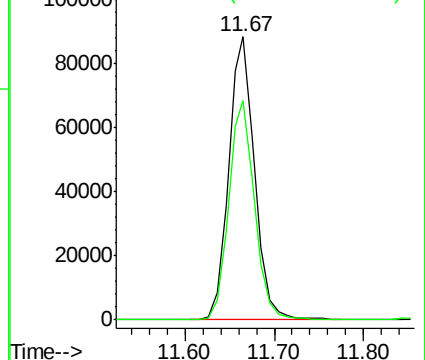
129 100

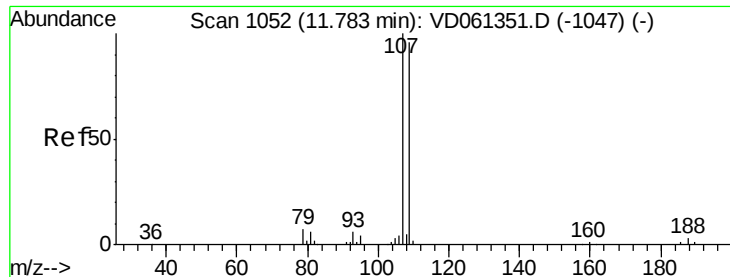
127 77.7 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

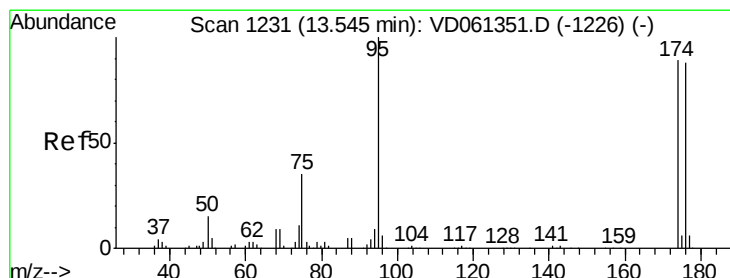
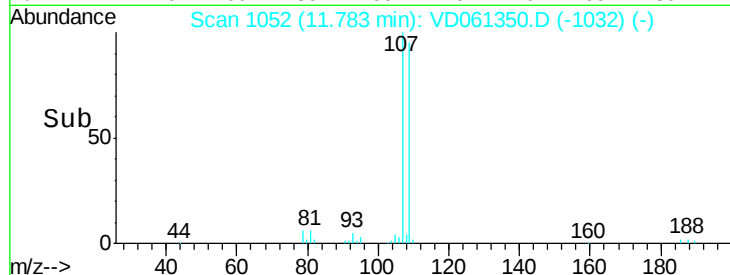
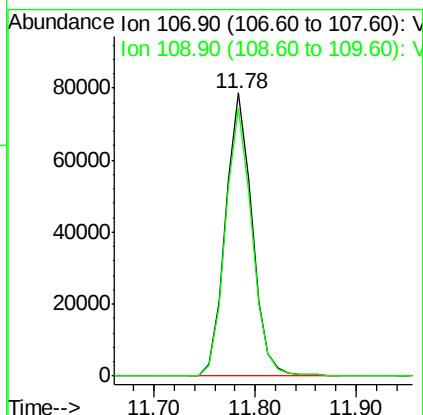
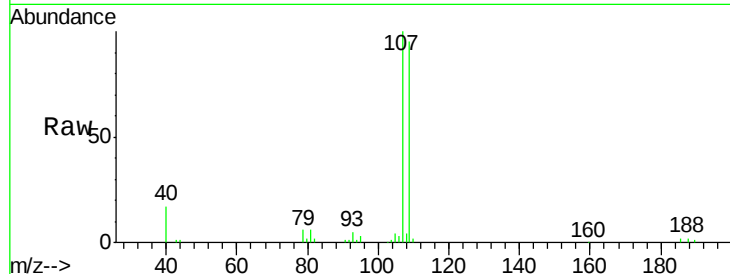




#61
 1,2-Dibromoethane
 Concen: 20.743 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

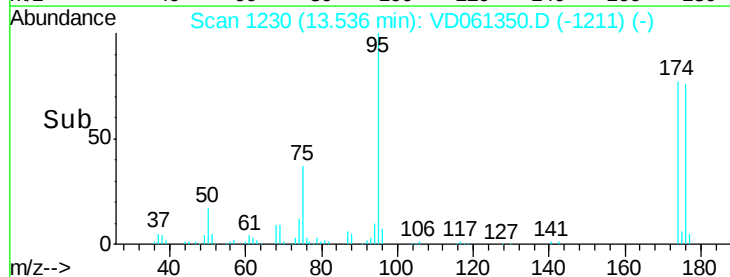
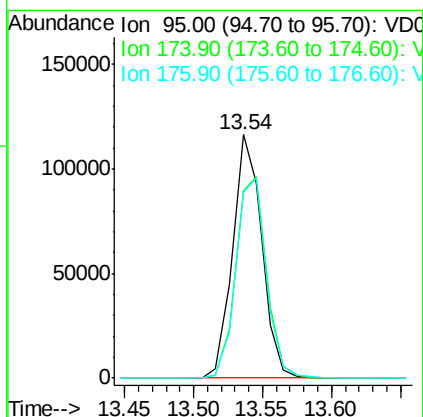
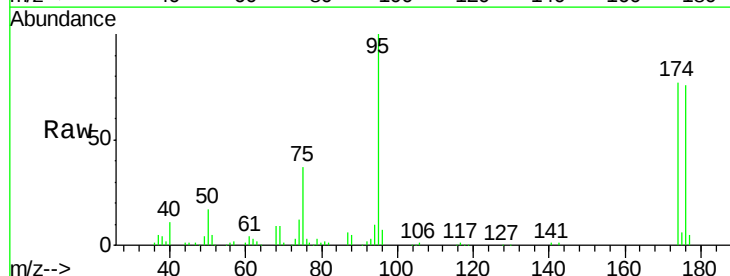
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

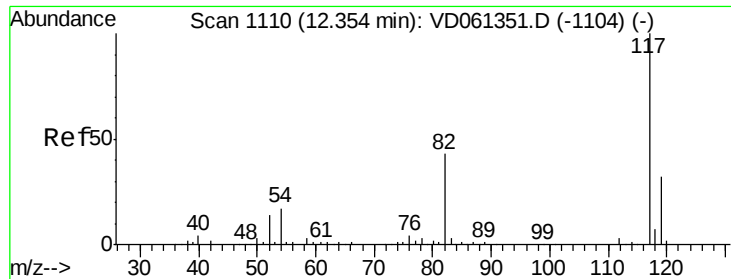
Tgt Ion: 107 Resp: 143296
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 20.743 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 95 Resp: 171218
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 178.0
 176 76.1 0.0 175.0

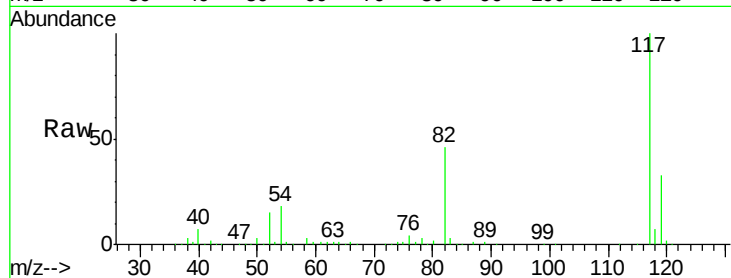




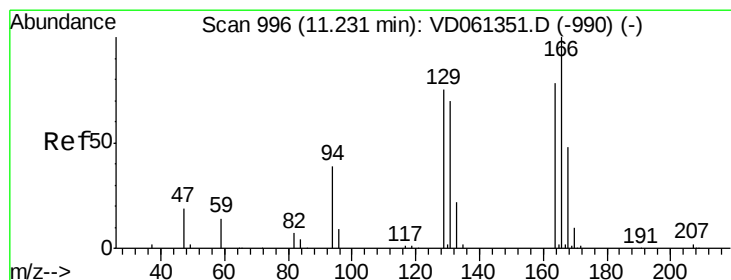
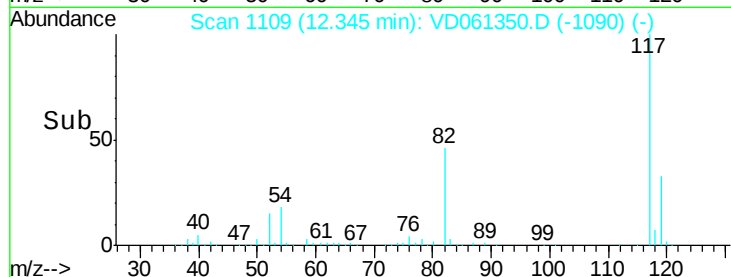
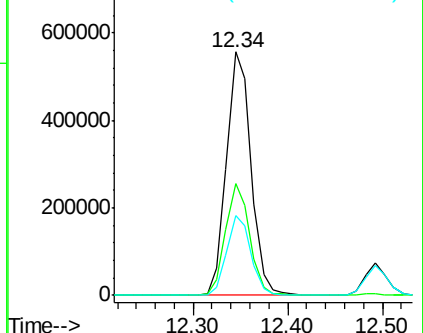
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1000877
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 32.6 25.8 38.6

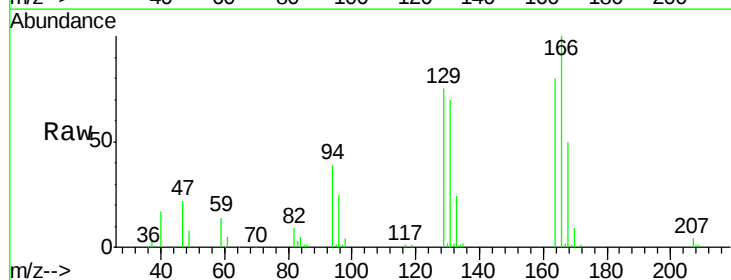


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

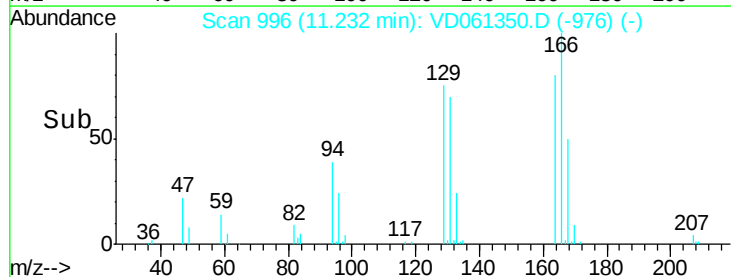
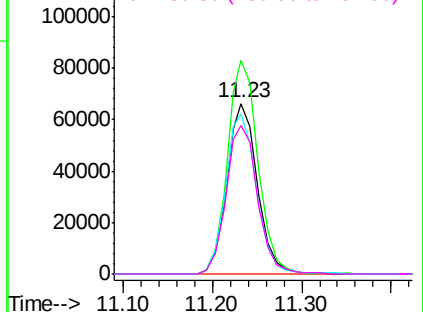


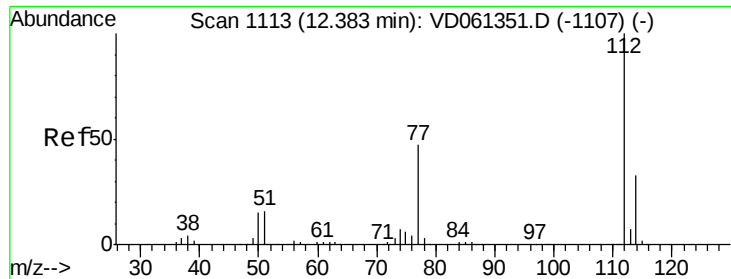
#64
Tetrachloroethene
Concen: 20.200 ug/l
RT: 11.23 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion:164 Resp: 158671
Ion Ratio Lower Upper
164 100
166 125.4 102.4 153.6
129 94.1 76.8 115.2
131 87.3 71.8 107.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

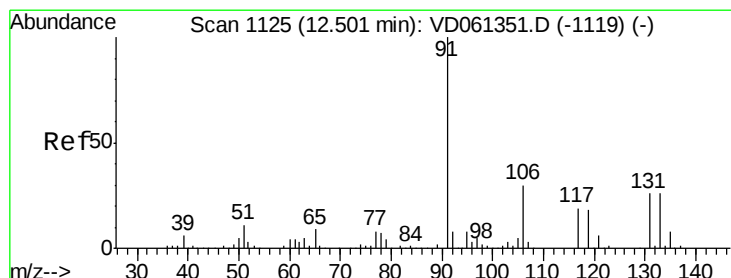
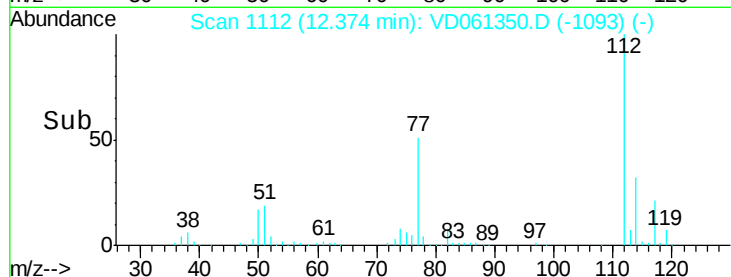
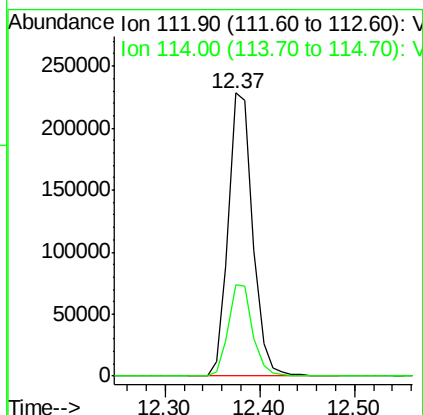
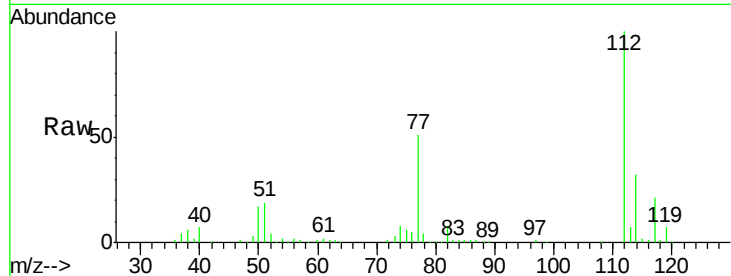




#65
Chlorobenzene
Concen: 19.998 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

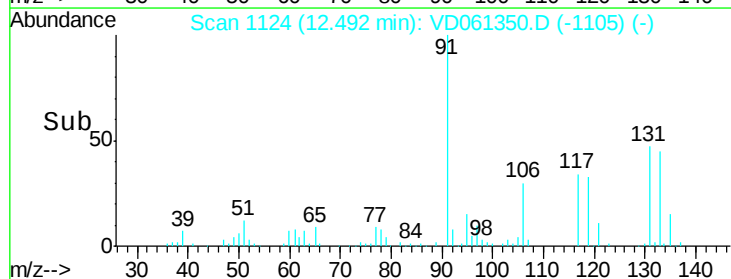
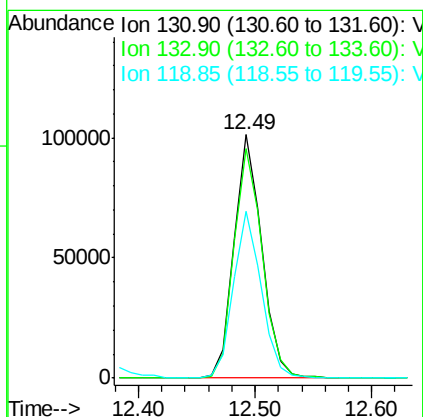
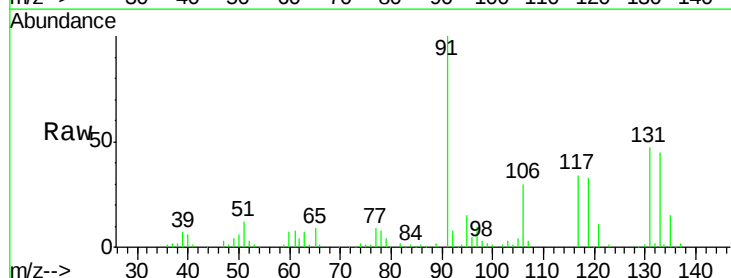
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

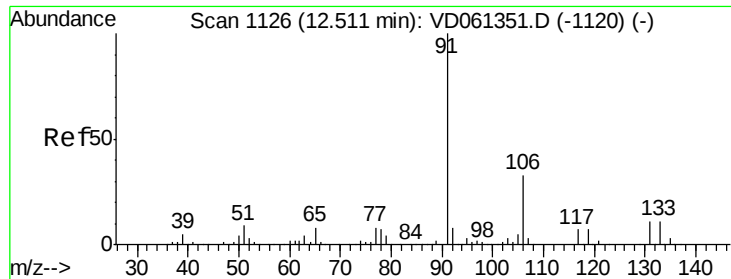
Tgt Ion:112 Resp: 409048
Ion Ratio Lower Upper
112 100
114 32.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.111 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion:131 Resp: 167198
Ion Ratio Lower Upper
131 100
133 94.3 49.4 148.2
119 68.7 34.1 102.2





#67

Ethyl Benzene

Concen: 21.024 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

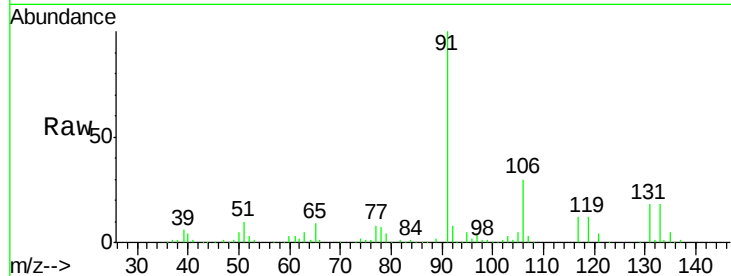
VSTDIC020

Tgt Ion: 91 Resp: 656387

Ion Ratio Lower Upper

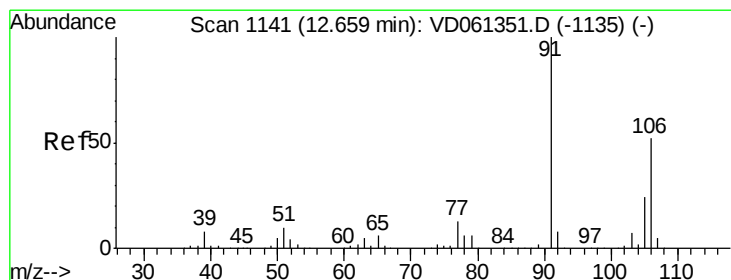
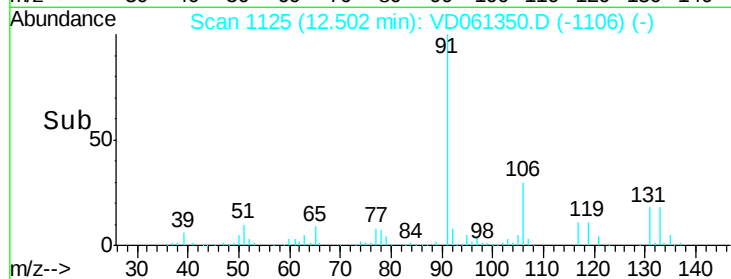
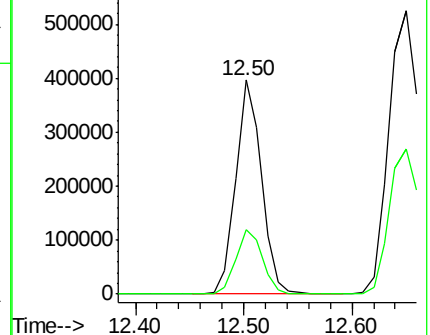
91 100

106 30.1 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 45.207 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD061350.D

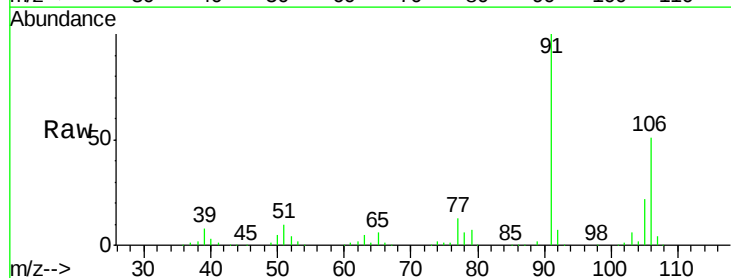
Acq: 27 Mar 2019 12:39

Tgt Ion: 106 Resp: 534653

Ion Ratio Lower Upper

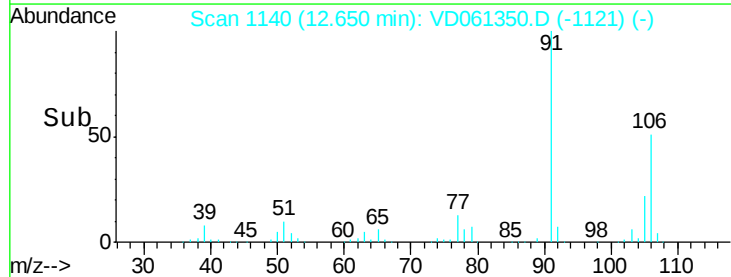
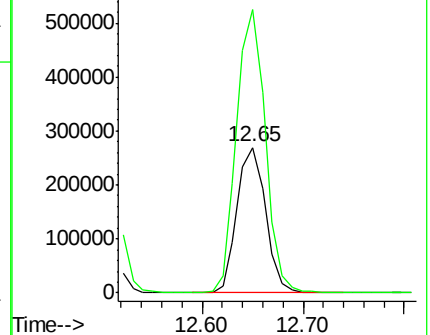
106 100

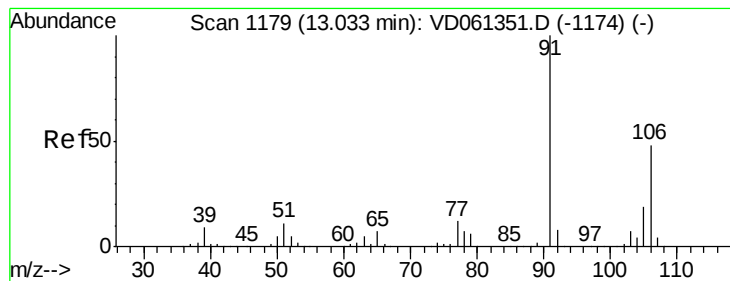
91 194.3 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





#69

o-Xylene

Concen: 20.647 ug/l

RT: 13.03 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

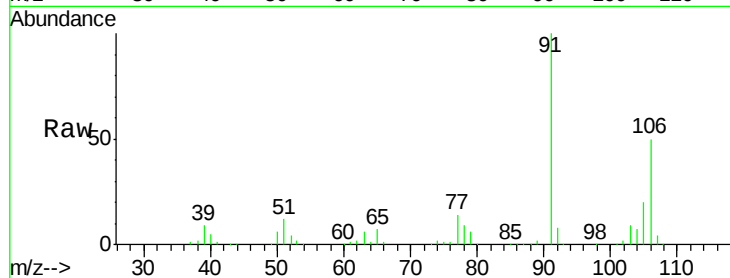
VSTDIC020

Tgt Ion:106 Resp: 236962

Ion Ratio Lower Upper

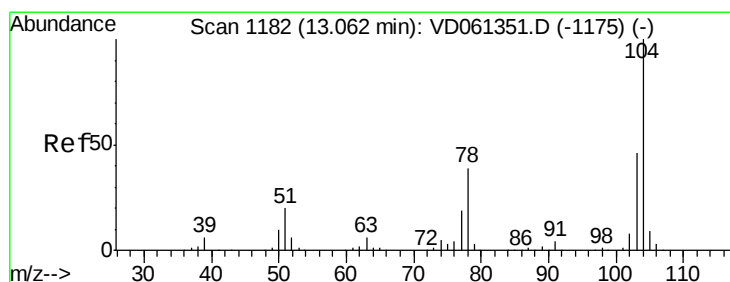
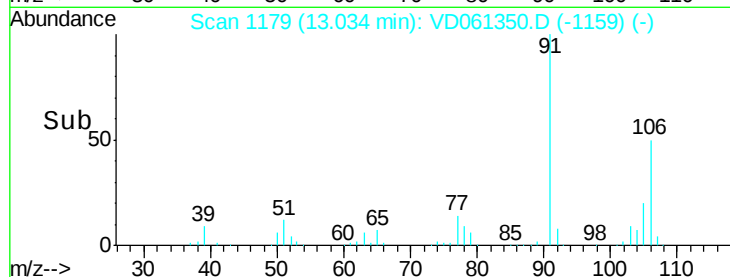
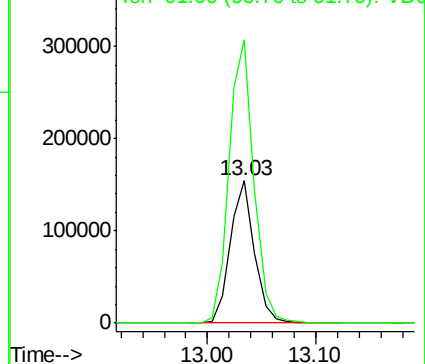
106 100

91 199.0 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.308 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

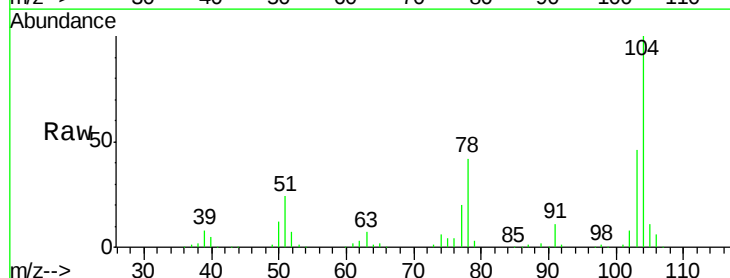
Tgt Ion:104 Resp: 426307

Ion Ratio Lower Upper

104 100

78 42.1 31.0 46.6

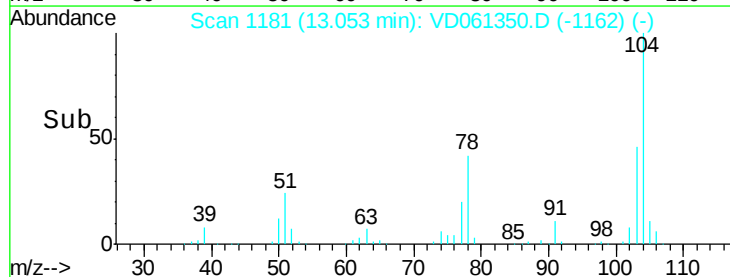
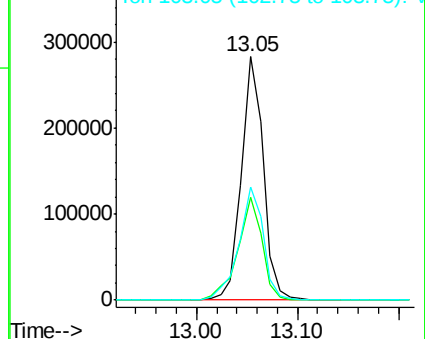
103 46.5 37.0 55.4

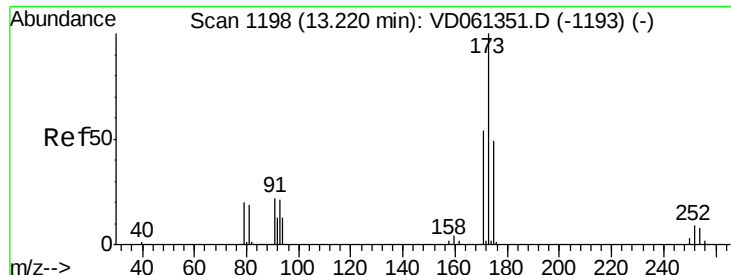


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

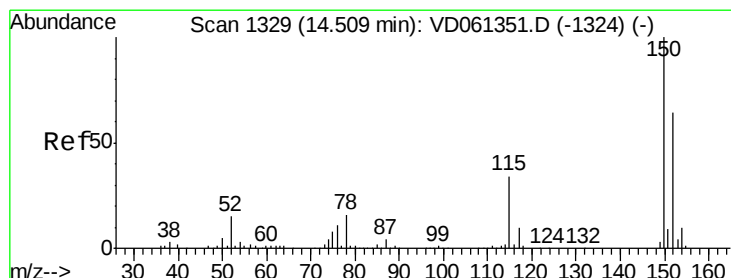
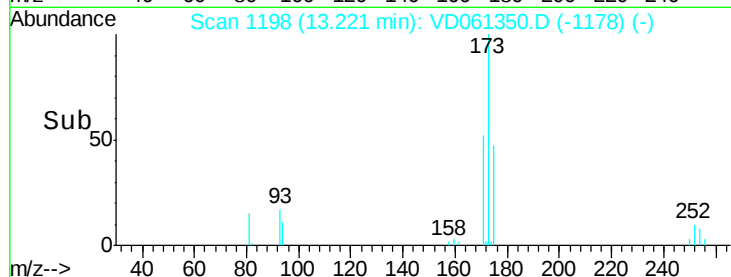
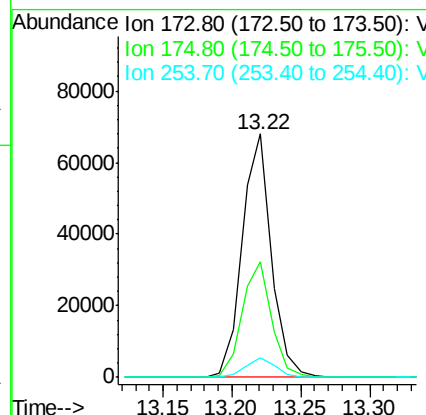
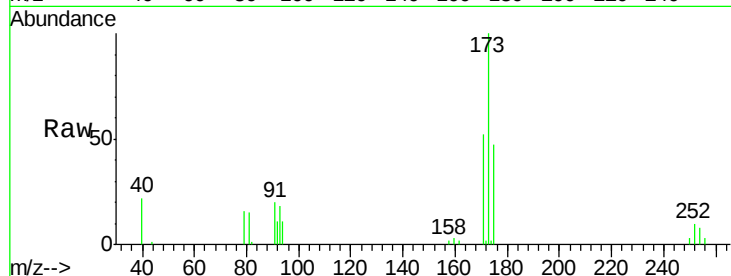




#71
Bromoform
Concen: 19.887 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

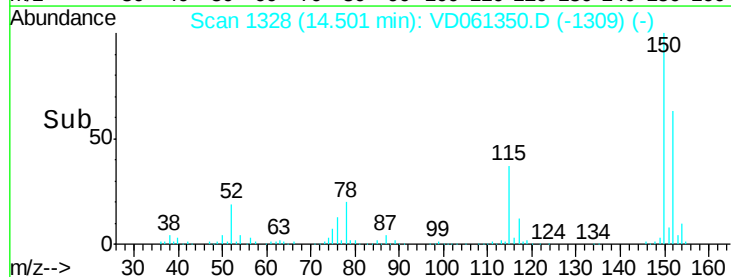
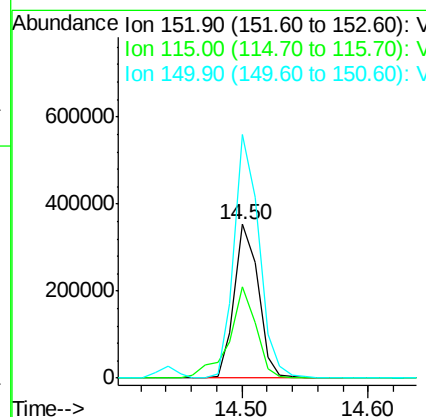
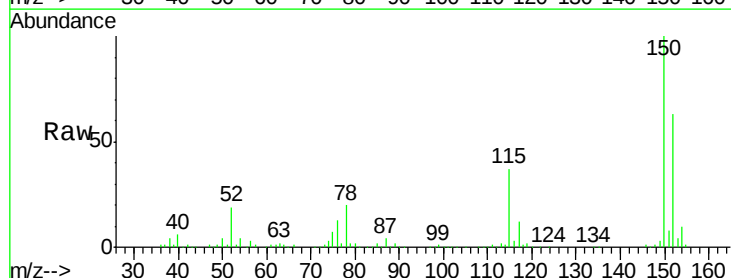
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

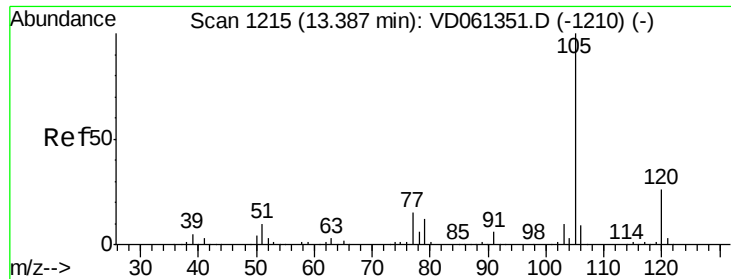
Tgt Ion:173 Resp: 99839
Ion Ratio Lower Upper
173 100
175 47.5 24.6 73.8
254 8.2 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061350.D
Acq: 27 Mar 2019 12:39

Tgt Ion:152 Resp: 466306
Ion Ratio Lower Upper
152 100
115 59.2 26.9 80.6
150 158.4 0.0 318.0





#73

Isopropylbenzene

Concen: 20.333 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

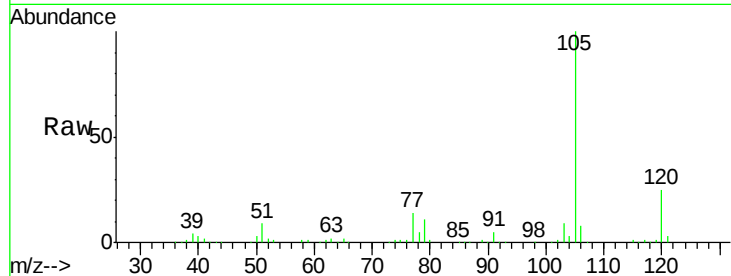
VSTDIC020

Tgt Ion: 105 Resp: 659891

Ion Ratio Lower Upper

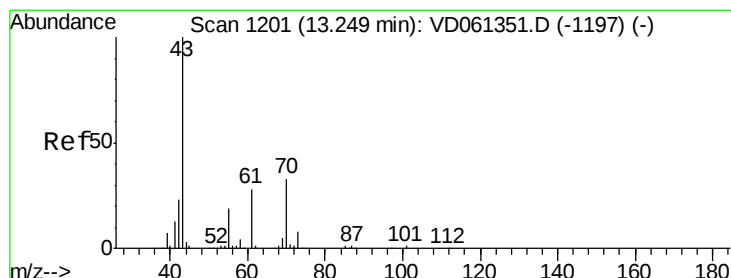
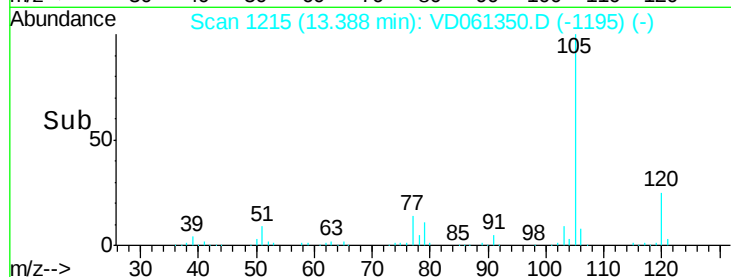
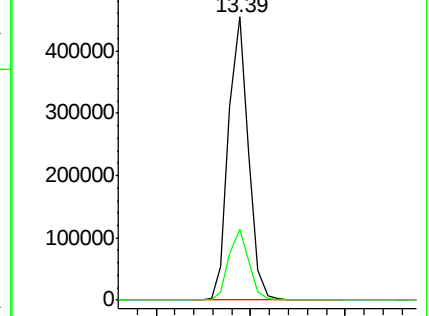
105 100

120 25.0 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.913 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Tgt Ion: 43 Resp: 170991

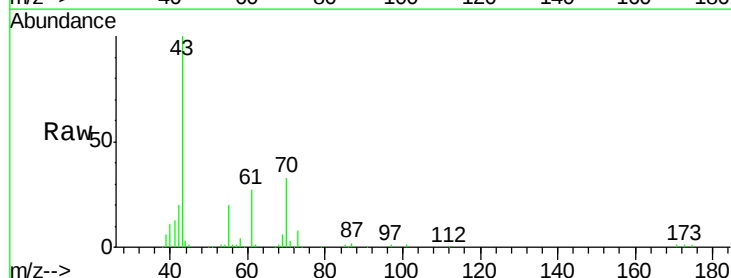
Ion Ratio Lower Upper

43 100

70 32.8 26.6 40.0

55 19.7 15.4 23.2

61 27.4 22.2 33.4

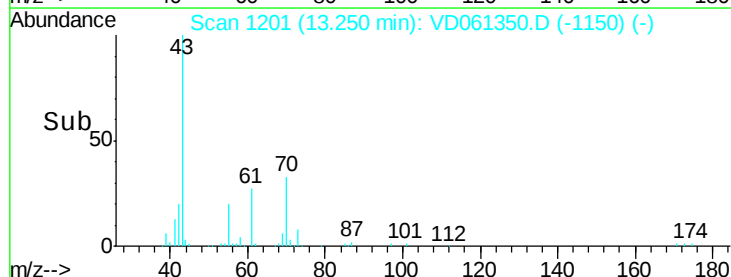
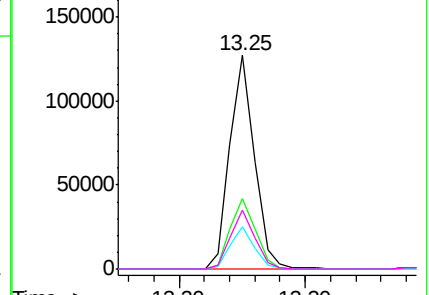


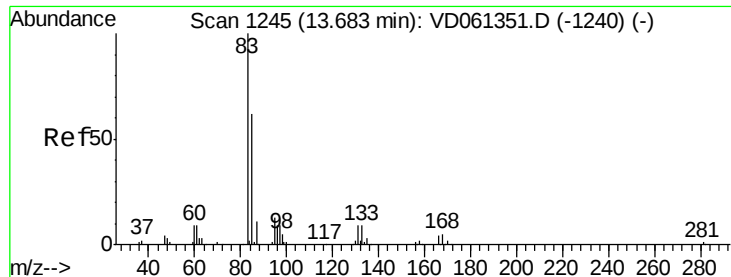
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.951 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

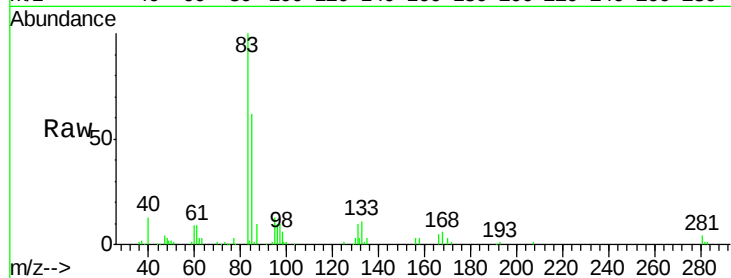
Tgt Ion: 83 Resp: 136591

Ion Ratio Lower Upper

83 100

131 10.0 4.3 13.1

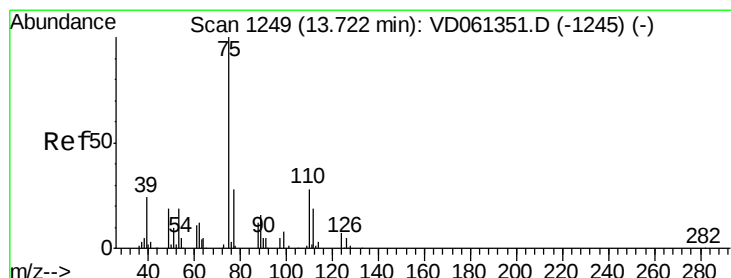
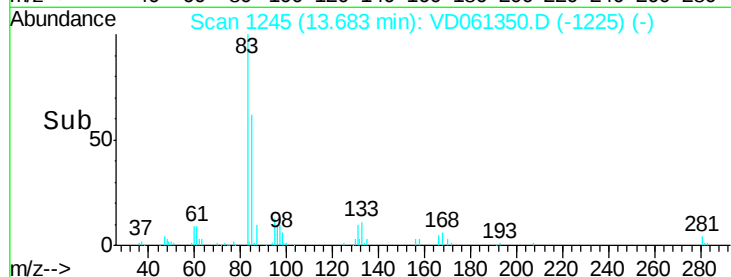
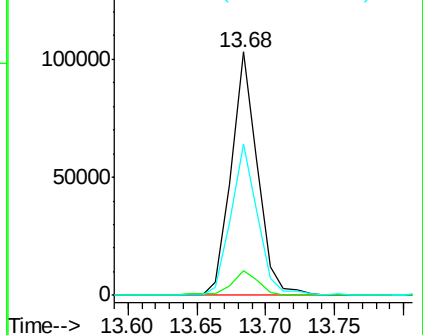
85 62.4 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.454 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VD061350.D

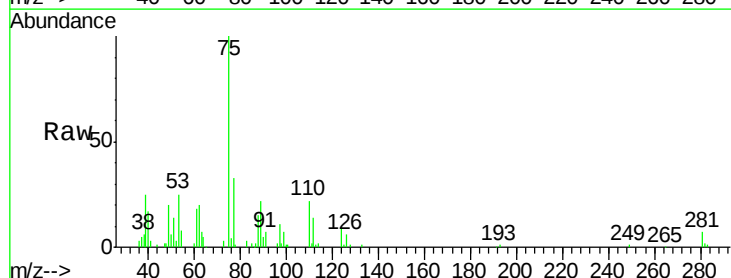
Acq: 27 Mar 2019 12:39

Tgt Ion: 75 Resp: 137778

Ion Ratio Lower Upper

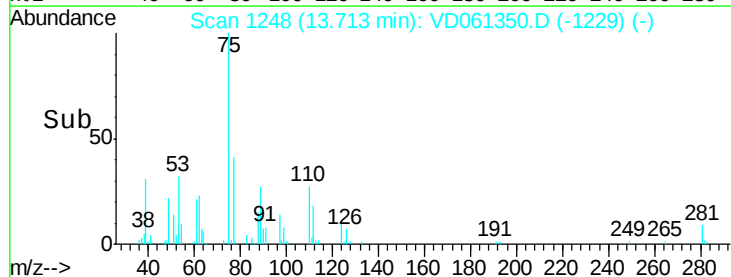
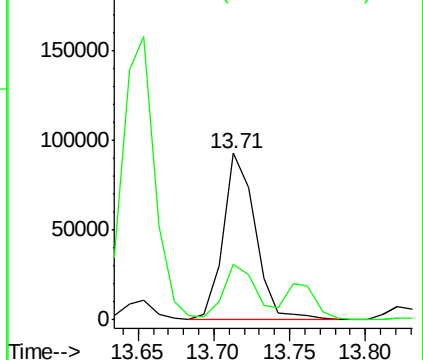
75 100

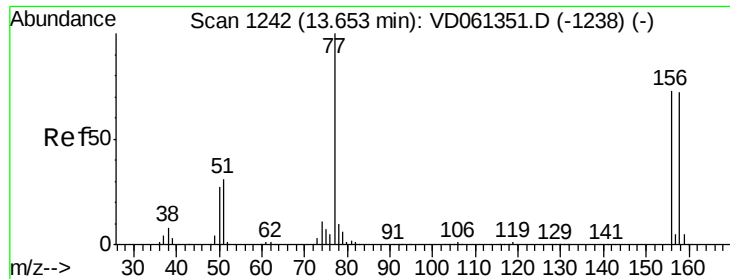
77 33.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.430 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

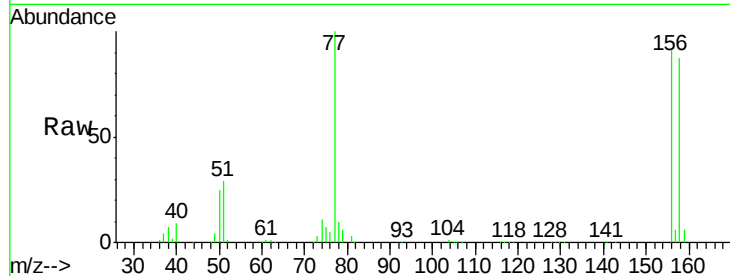
Tgt Ion:156 Resp: 196566

Ion Ratio Lower Upper

156 100

77 110.5 68.5 205.6

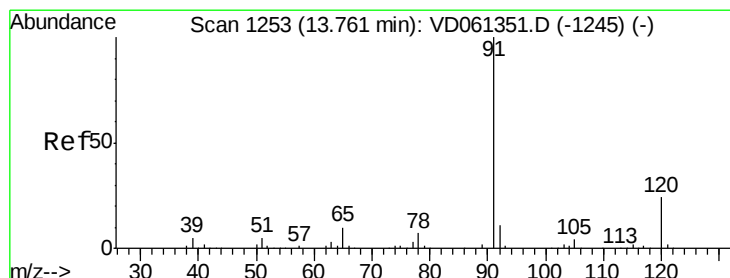
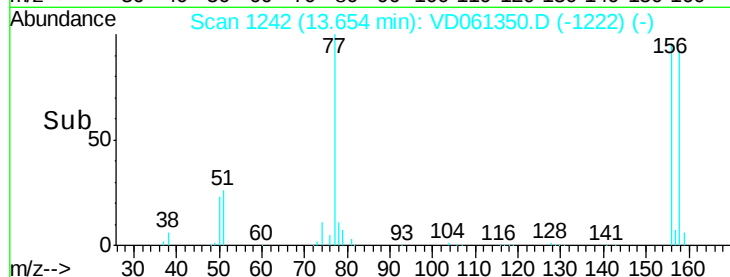
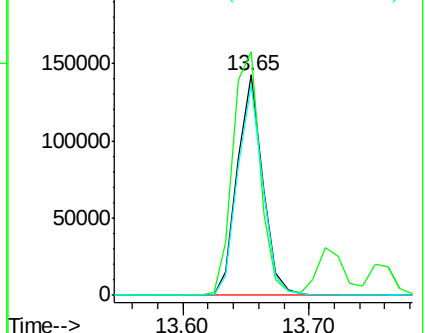
158 95.7 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.766 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061350.D

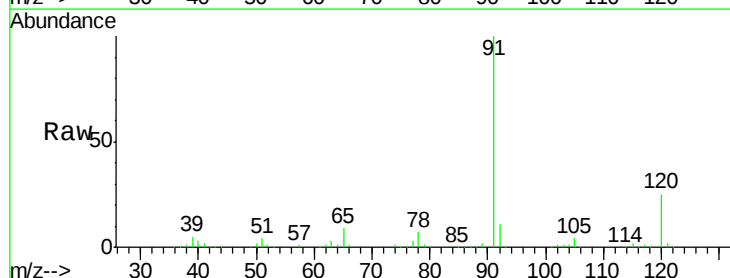
Acq: 27 Mar 2019 12:39

Tgt Ion: 91 Resp: 824752

Ion Ratio Lower Upper

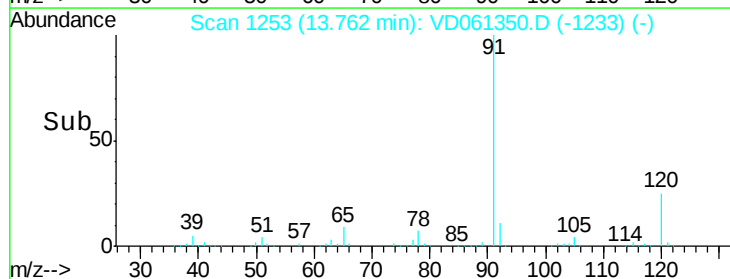
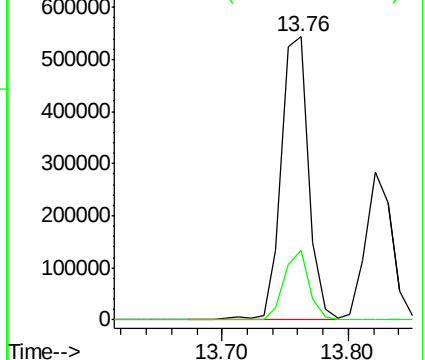
91 100

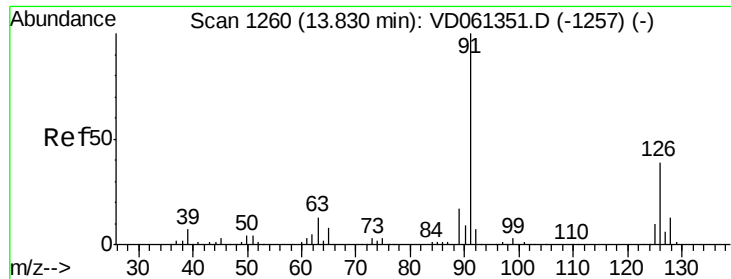
120 24.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.142 ug/l

RT: 13.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

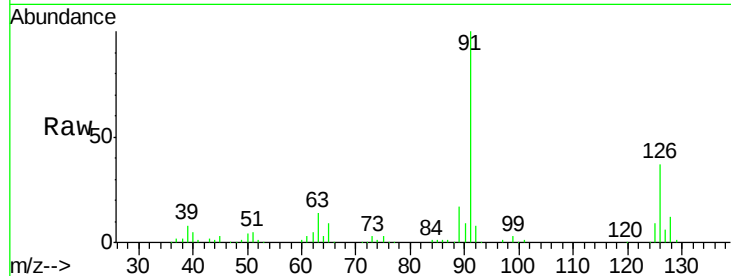
VSTDIC020

Tgt Ion: 91 Resp: 412876

Ion Ratio Lower Upper

91 100

126 36.9 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

600000

500000

400000

300000

200000

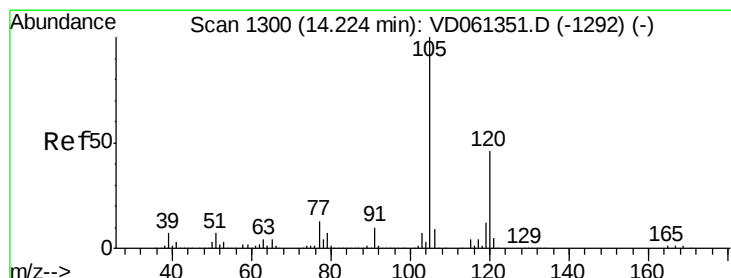
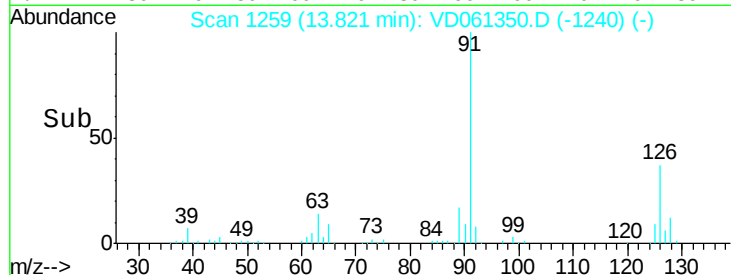
100000

0

13.80

13.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.738 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VD061350.D

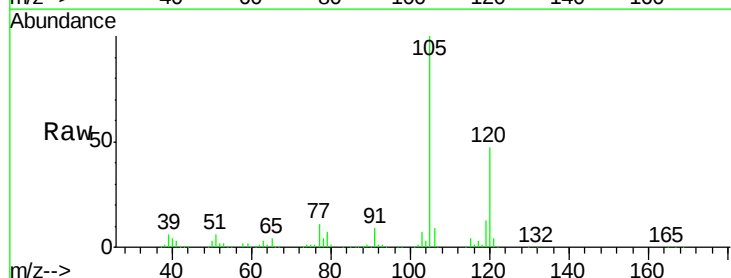
Acq: 27 Mar 2019 12:39

Tgt Ion: 105 Resp: 565356

Ion Ratio Lower Upper

105 100

120 47.2 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)

600000

500000

400000

300000

200000

100000

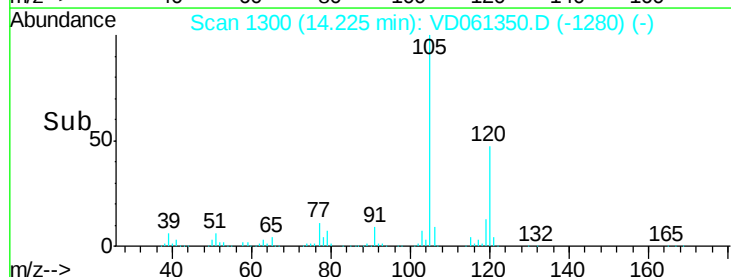
0

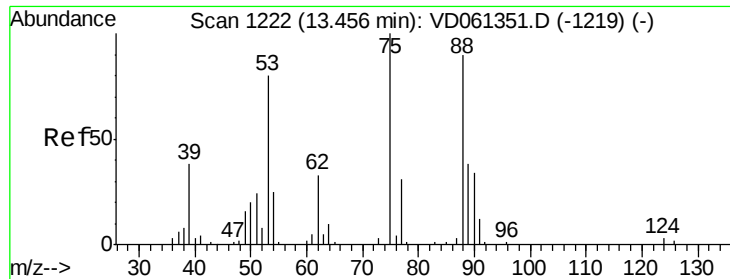
14.10

14.20

14.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.547 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

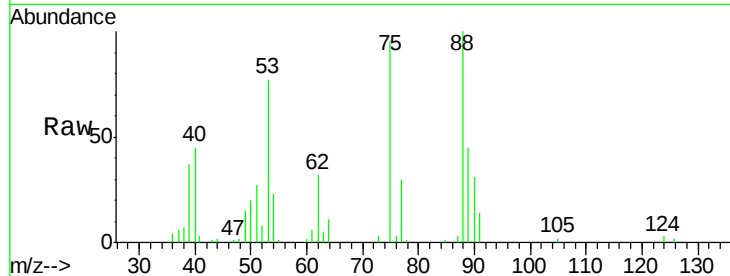
Tgt Ion: 75 Resp: 38092

Ion Ratio Lower Upper

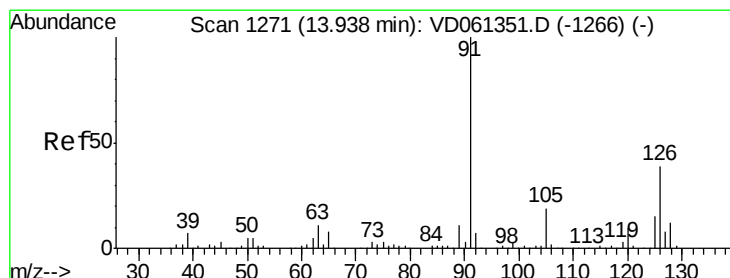
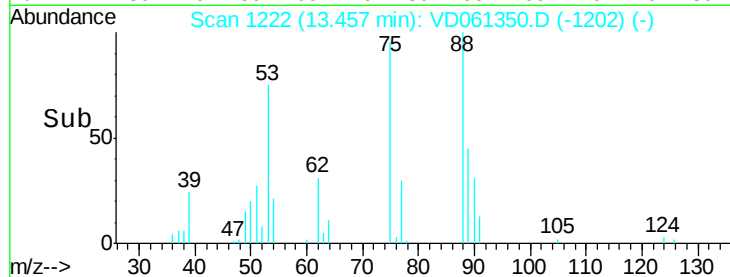
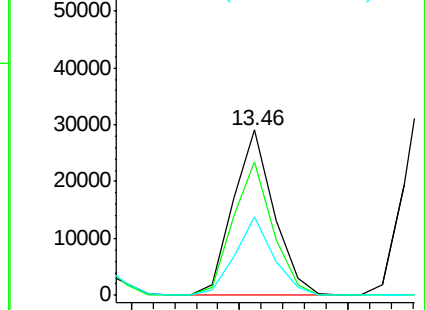
75 100

53 80.9 63.8 95.8

89 47.3 30.5 45.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.931 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061350.D

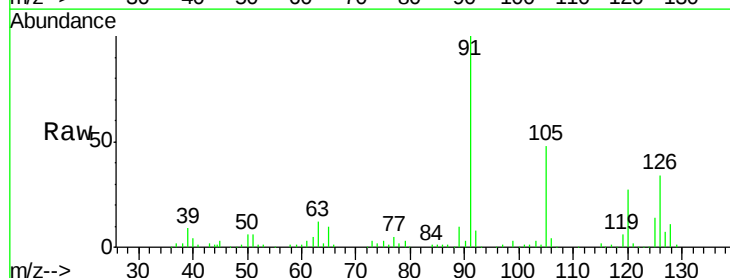
Acq: 27 Mar 2019 12:39

Tgt Ion: 91 Resp: 490793

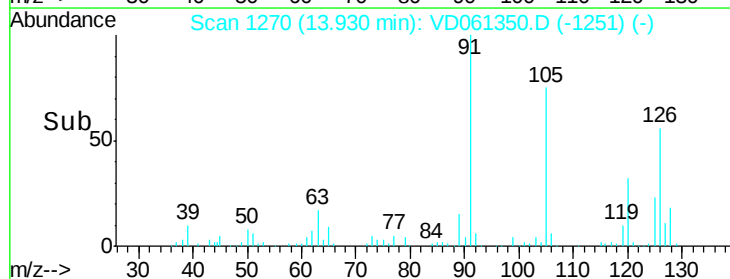
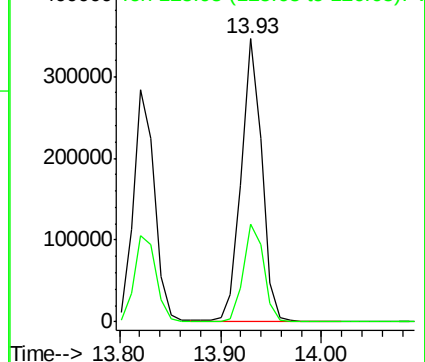
Ion Ratio Lower Upper

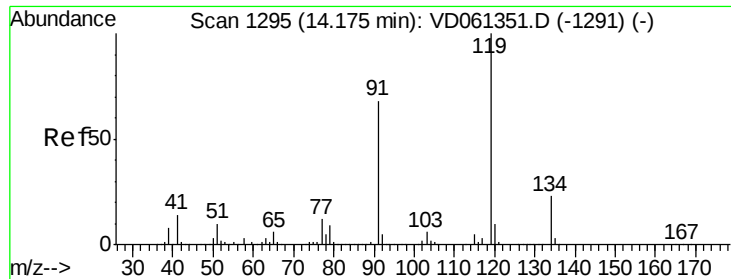
91 100

126 34.4 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

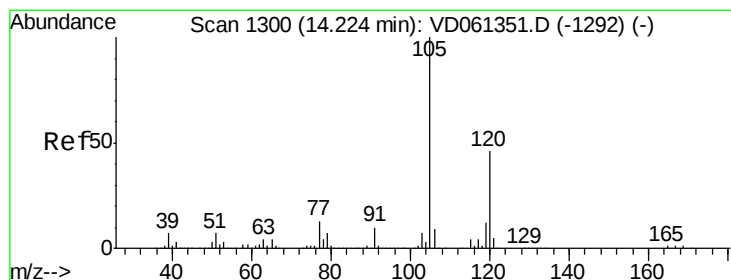
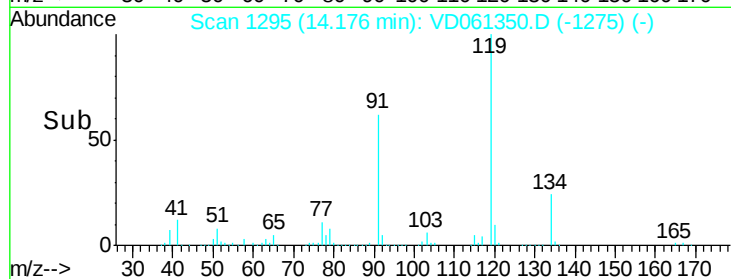
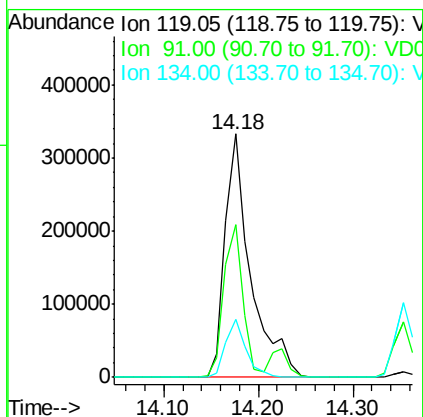
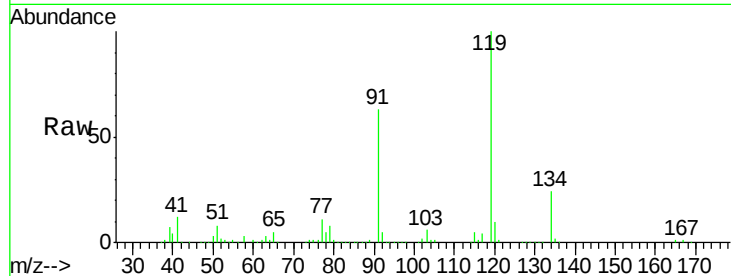




#83
 tert-Butylbenzene
 Concen: 19.919 ug/l
 RT: 14.18 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

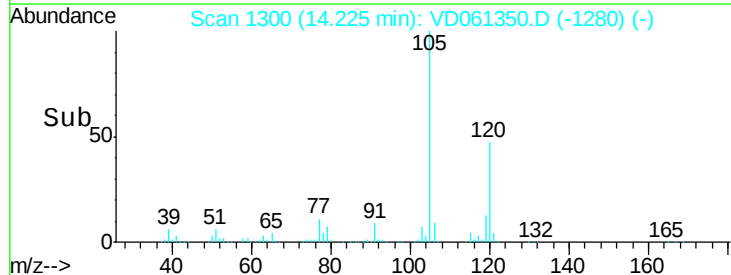
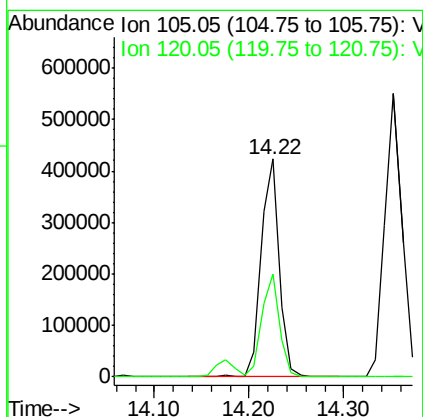
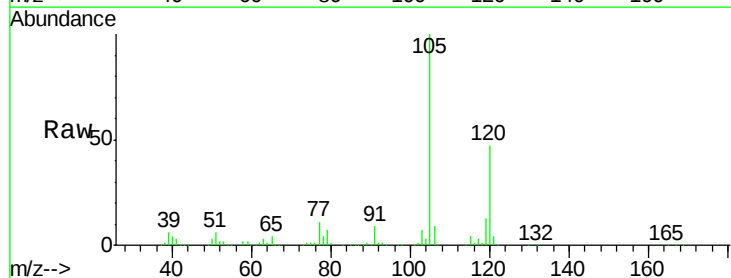
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

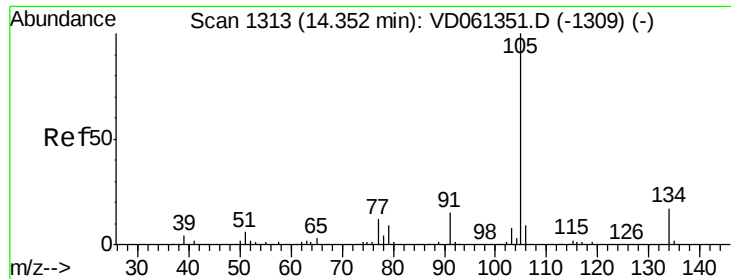
Tgt Ion:119 Resp: 626852
 Ion Ratio Lower Upper
 119 100
 91 62.8 34.1 102.3
 134 24.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.738 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion:105 Resp: 565356
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.903 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

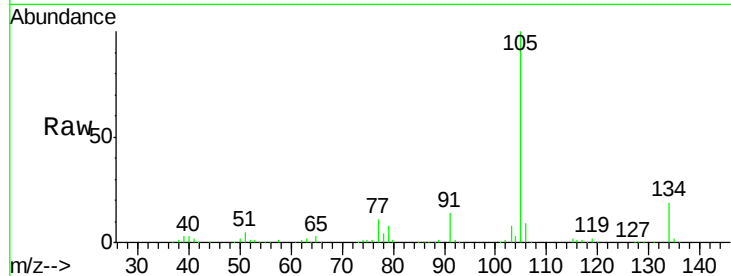
VSTDIC020

Tgt Ion:105 Resp: 698814

Ion Ratio Lower Upper

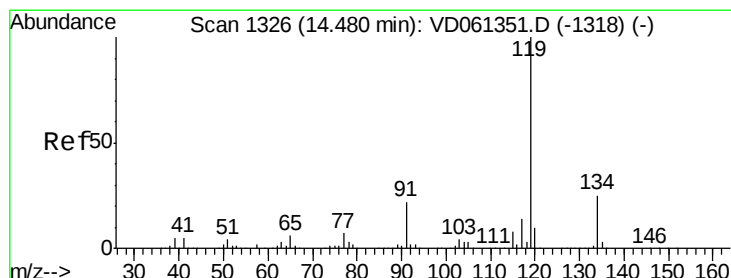
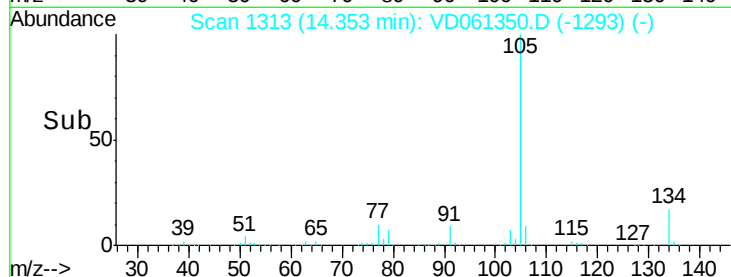
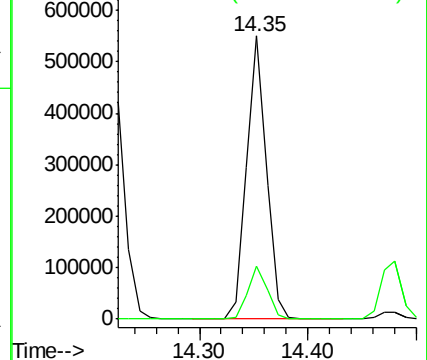
105 100

134 18.5 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.772 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

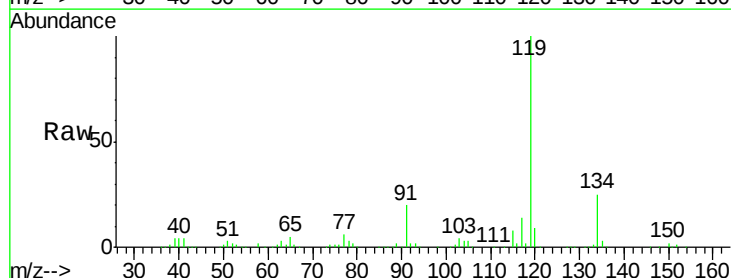
Tgt Ion:119 Resp: 615491

Ion Ratio Lower Upper

119 100

134 25.4 12.3 36.8

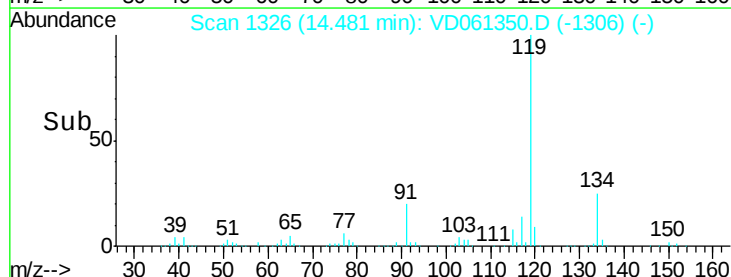
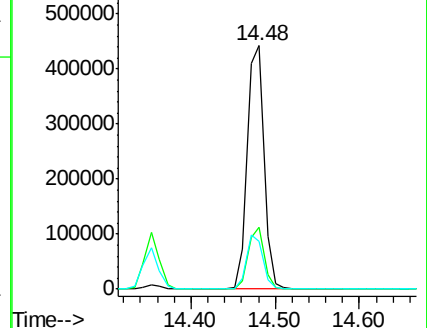
91 19.6 11.1 33.1

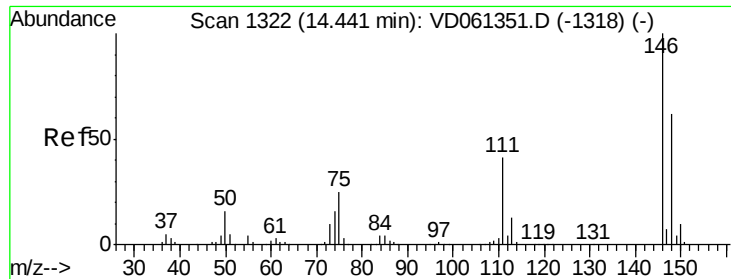


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

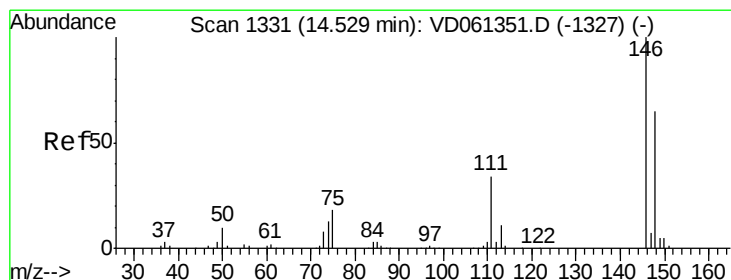
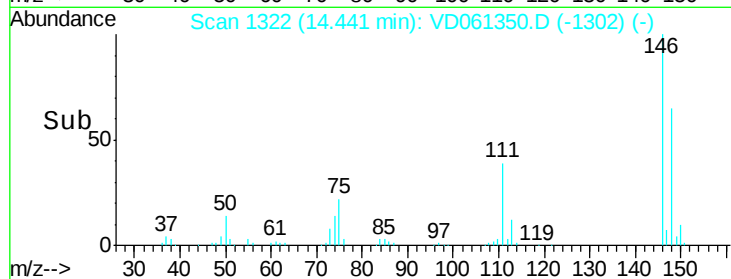
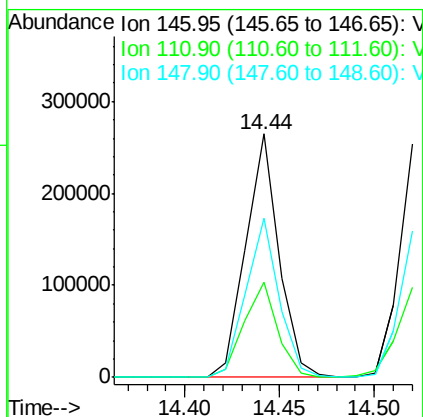
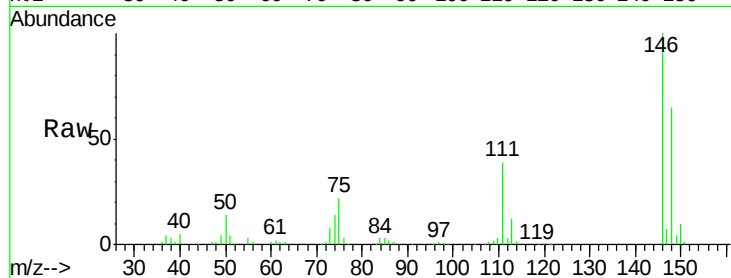




#87
 1,3-Dichlorobenzene
 Concen: 19.790 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

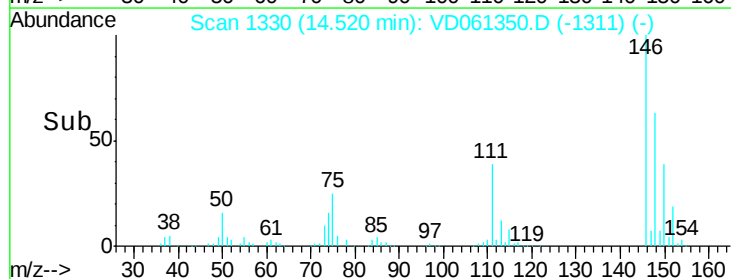
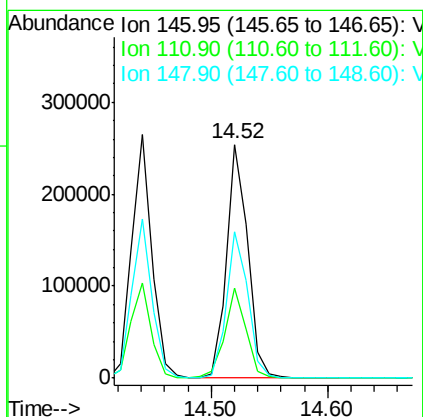
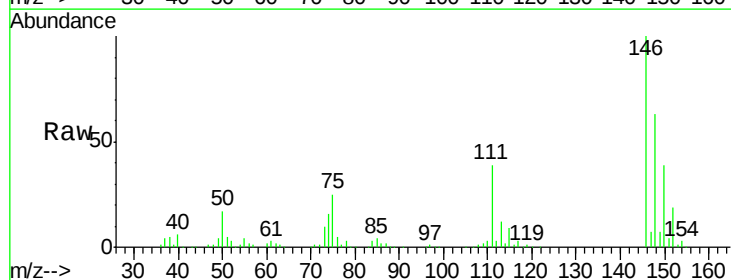
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

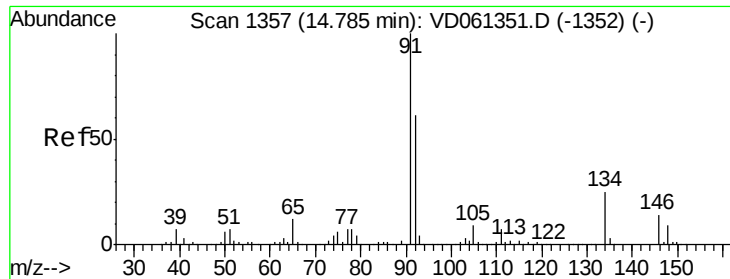
Tgt Ion:146 Resp: 322428
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.6 61.9
 148 65.3 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.166 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion:146 Resp: 320415
 Ion Ratio Lower Upper
 146 100
 111 38.6 16.8 50.4
 148 62.8 32.6 98.0





#89

n-Butylbenzene

Concen: 21.324 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

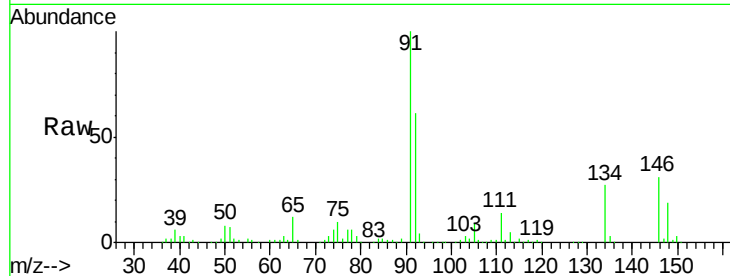
Tgt Ion: 91 Resp: 553281

Ion Ratio Lower Upper

91 100

92 60.8 30.3 91.0

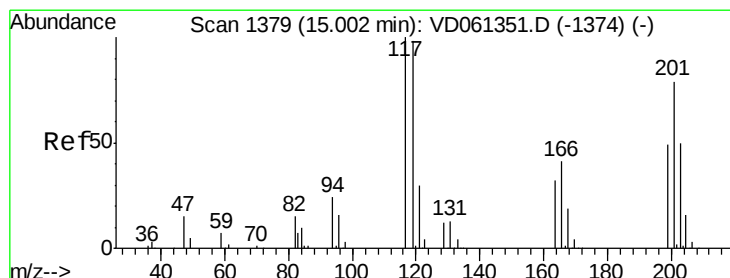
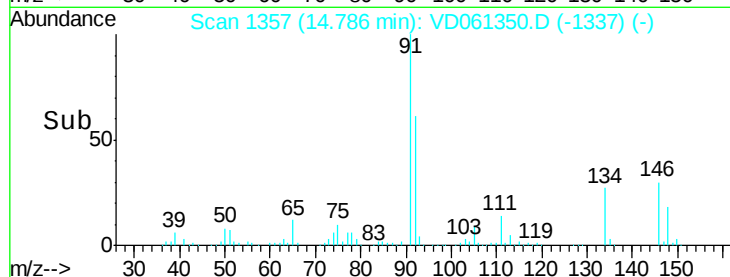
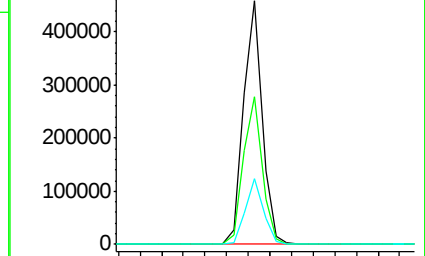
134 27.1 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.025 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VD061350.D

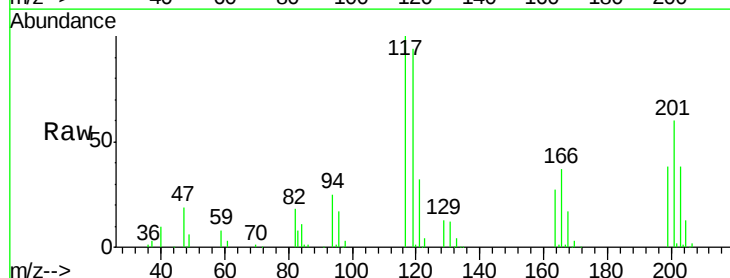
Acq: 27 Mar 2019 12:39

Tgt Ion: 117 Resp: 159927

Ion Ratio Lower Upper

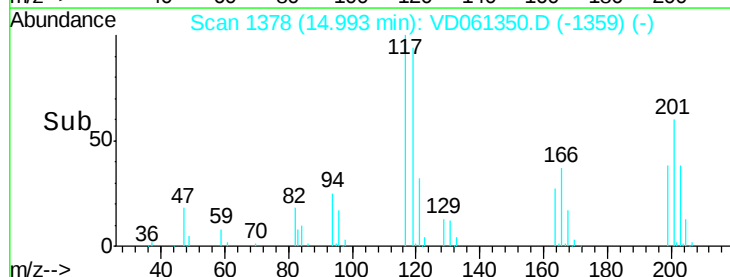
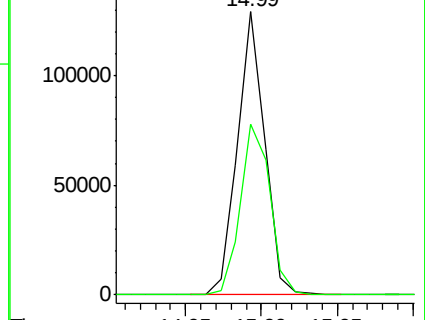
117 100

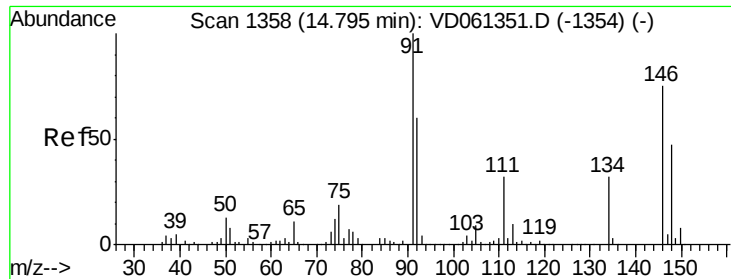
201 60.3 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

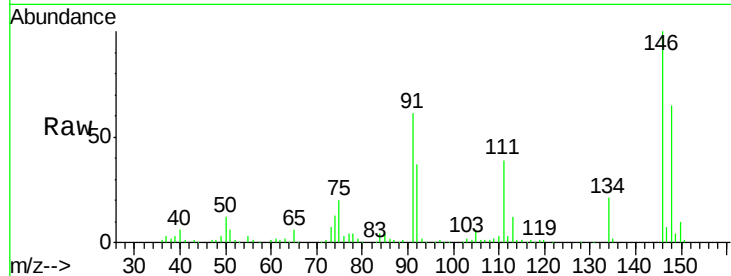




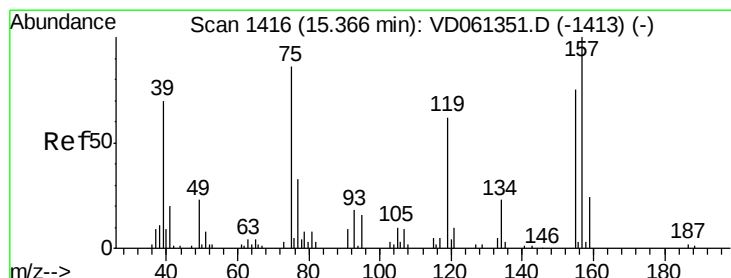
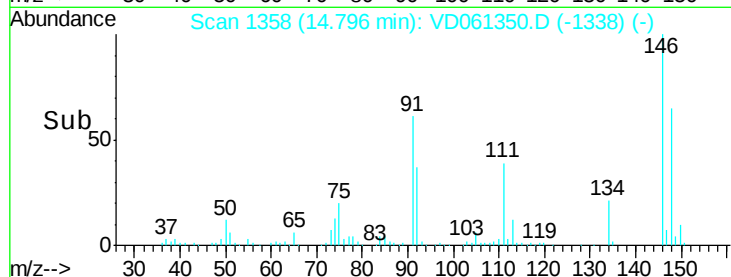
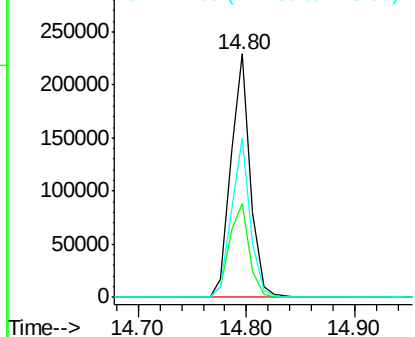
#91
 1,2-Dichlorobenzene
 Concen: 21.314 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 284837
 Ion Ratio Lower Upper
 146 100
 111 38.6 21.2 63.6
 148 65.2 31.6 95.0

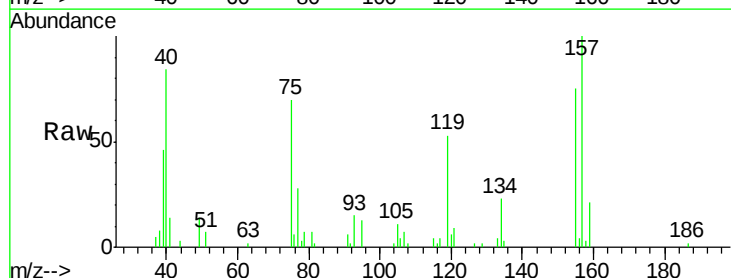


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

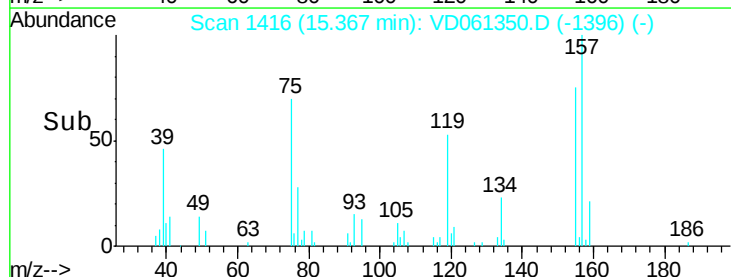
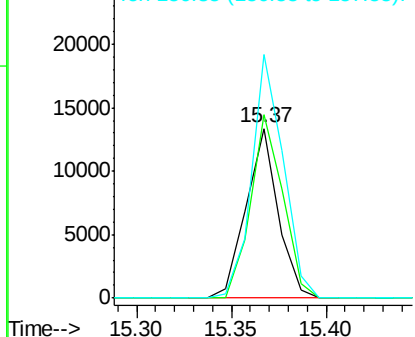


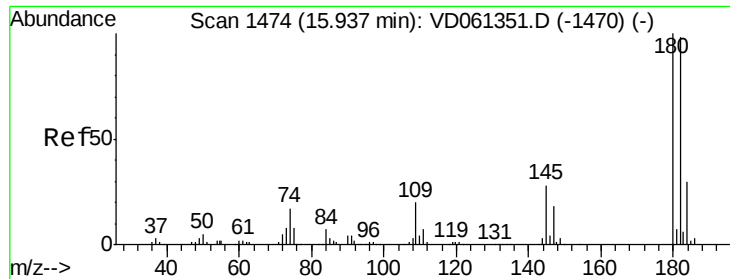
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.519 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion: 75 Resp: 15673
 Ion Ratio Lower Upper
 75 100
 155 108.4 43.6 130.9
 157 143.6 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

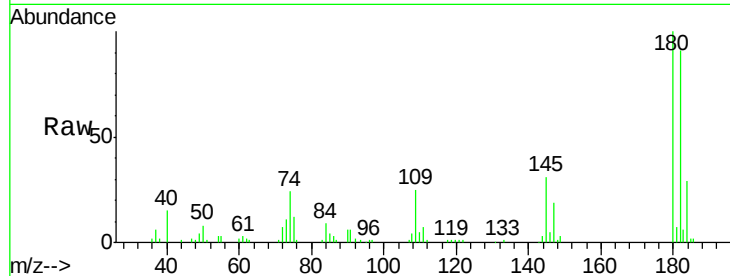




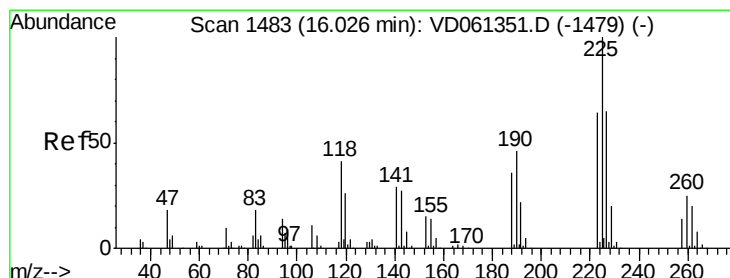
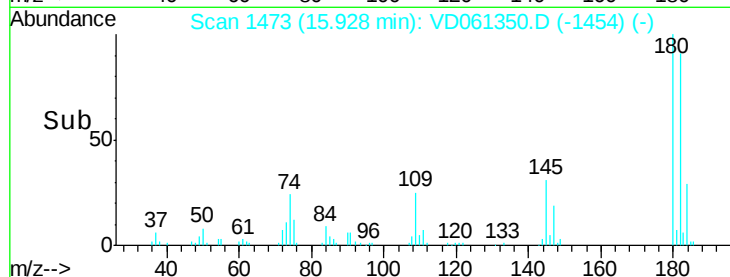
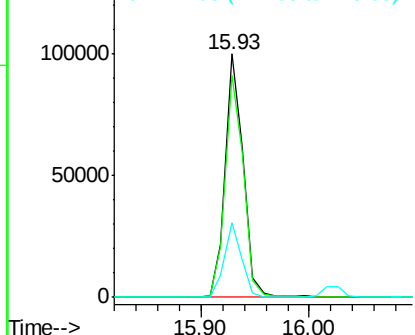
#93
 1,2,4-Trichlorobenzene
 Concen: 19.104 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 116299
 Ion Ratio Lower Upper
 180 100
 182 90.9 48.9 146.8
 145 30.6 14.1 42.3

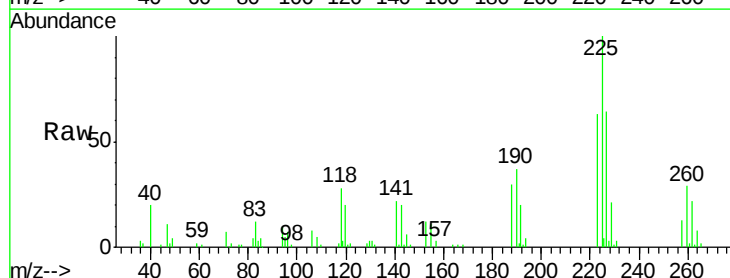


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

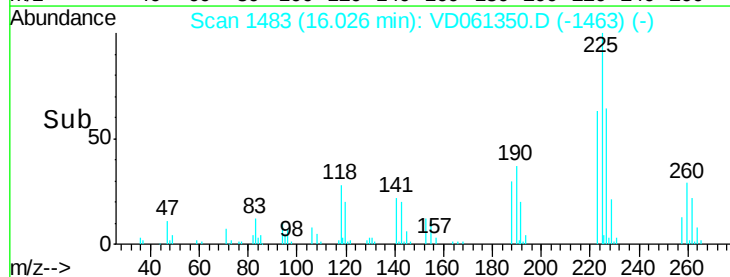
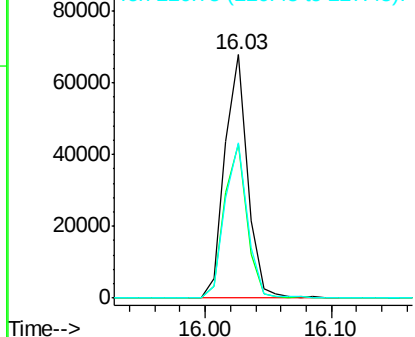


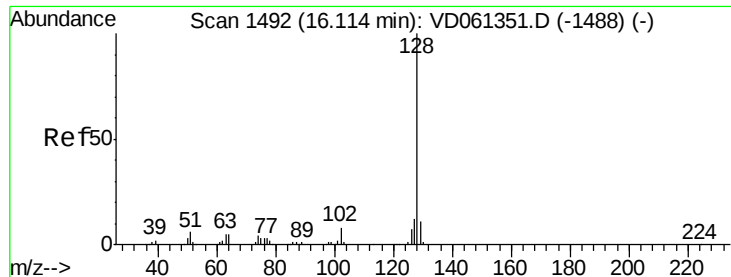
#94
 Hexachlorobutadiene
 Concen: 17.733 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061350.D
 Acq: 27 Mar 2019 12:39

Tgt Ion:225 Resp: 84359
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.0 96.0
 227 63.9 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 17.307 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

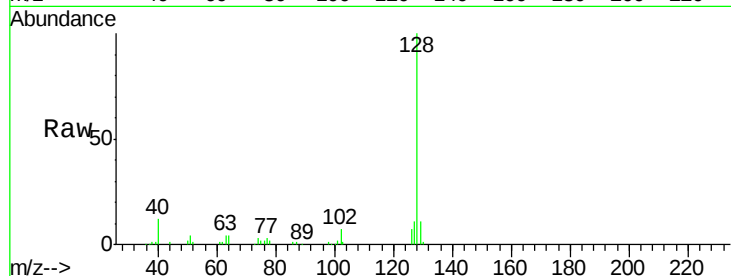
Tgt Ion:128 Resp: 160603

Ion Ratio Lower Upper

128 100

127 11.2 9.9 14.9

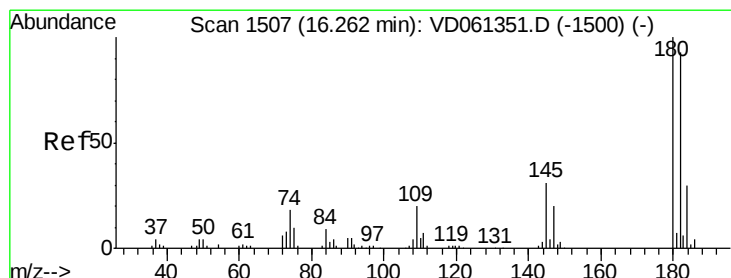
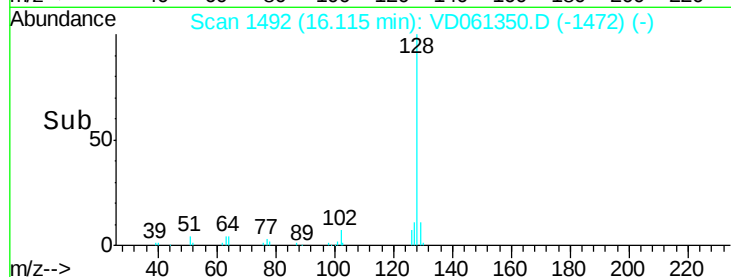
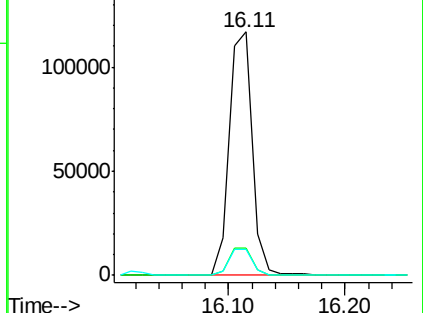
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.710 ug/l

RT: 16.25 min Scan# 1506

Delta R.T. -0.01 min

Lab File: VD061350.D

Acq: 27 Mar 2019 12:39

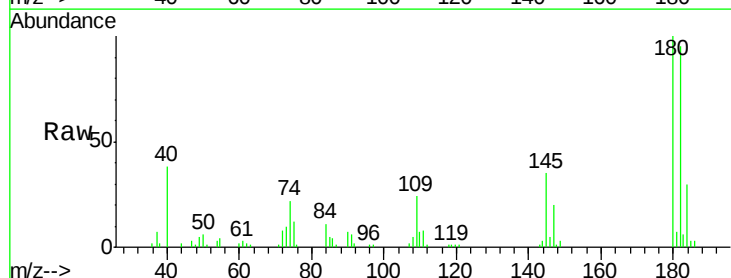
Tgt Ion:180 Resp: 50122

Ion Ratio Lower Upper

180 100

182 95.2 46.4 139.1

145 34.6 15.3 45.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

