

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\NOT REVIEWED DATA\
 Data File : VD061760.D
 Acq On : 12 Apr 2019 2:52
 Operator : VA/AP
 Sample : VD0411SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 04:21:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	528279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	897885	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	669939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	347971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	208673	52.11	ug/l	-0.02
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	6.91	113	299676	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.40	98	634966	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	
62) 4-Bromofluorobenzene	13.55	95	278638	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	96815	16.987	ug/l	98
3) Chloromethane	1.75	50	91461	19.859	ug/l	93
4) Vinyl Chloride	1.84	62	84380	19.607	ug/l	98
5) Bromomethane	2.15	94	20180	20.259	ug/l	99
6) Chloroethane	2.26	64	29728	22.055	ug/l	91
7) Trichlorofluoromethane	2.52	101	139789	21.513	ug/l	94
8) Diethyl Ether	2.87	74	37624	20.632	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	119667	18.732	ug/l	95
10) Methyl Iodide	3.30	142	168903	20.088	ug/l	96
11) Tert butyl alcohol	4.06	59	25321	94.353	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	107947	19.601	ug/l	99
13) Acrolein	3.02	56	21822	66.694	ug/l	89
14) Allyl chloride	3.61	41	151474	20.166	ug/l	97
15) Acrylonitrile	4.19	53	94174	101.942	ug/l	98
16) Acetone	3.21	43	97021	81.052	ug/l	95
17) Carbon Disulfide	3.37	76	331404	18.520	ug/l	98
18) Methyl Acetate	3.63	43	49777	22.102	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	219579	23.027	ug/l	99
20) Methylene Chloride	3.81	84	144162	21.223	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	126068	21.076	ug/l	98
22) Diisopropyl ether	5.10	45	347826	22.086	ug/l	99
23) Vinyl Acetate	5.04	43	928602	106.862	ug/l	100
24) 1,1-Dichloroethane	4.97	63	204347	21.175	ug/l	99
25) 2-Butanone	6.06	43	133115	96.462	ug/l	97
26) 2,2-Dichloropropane	6.01	77	161465	20.548	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	141720	22.209	ug/l	94
28) Bromochloromethane	6.42	49	69302	19.467	ug/l	98
29) Tetrahydrofuran	6.44	42	68332	102.576	ug/l	98
30) Chloroform	6.65	83	222009	21.960	ug/l	96
31) Cyclohexane	6.94	56	135045	17.912	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	186858	21.091	ug/l	96
36) 1,1-Dichloropropene	7.13	75	155885	19.837	ug/l	96
37) Ethyl Acetate	6.17	43	74370	23.235	ug/l	97
38) Carbon Tetrachloride	7.10	117	189908	20.620	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\NOT REVIEWED DATA\
 Data File : VD061760.D
 Acq On : 12 Apr 2019 2:52
 Operator : VA/AP
 Sample : VD0411SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 04:21:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	149006	18.470	ug/l	95
40) Benzene	7.44	78	407396	21.490	ug/l	100
41) Methacrylonitrile	6.43	41	79173	21.190	ug/l	98
42) 1,2-Dichloroethane	7.56	62	141180	23.680	ug/l	96
43) Isopropyl Acetate	9.23	43	95276	20.511	ug/l #	99
44) Trichloroethene	8.53	130	135044	18.581	ug/l	95
45) 1,2-Dichloropropane	8.93	63	98876	21.031	ug/l	100
46) Dibromomethane	9.05	93	75907	22.591	ug/l	95
47) Bromodichloromethane	9.36	83	163574	22.165	ug/l	98
48) Methyl methacrylate	9.11	41	58039	21.675	ug/l	99
49) 1,4-Dioxane	9.07	88	13040	441.201	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	299220	108.920	ug/l	100
52) Toluene	10.50	92	234542	19.813	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	148448	22.948	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	164463	20.624	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	80499	20.162	ug/l	97
56) Ethyl methacrylate	11.03	69	91622	21.753	ug/l	95
57) 1,3-Dichloropropane	11.39	76	131251	22.448	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	219688	110.542	ug/l	98
59) 2-Hexanone	11.52	43	214470	100.595	ug/l	99
60) Dibromochloromethane	11.68	129	137405	21.783	ug/l	98
61) 1,2-Dibromoethane	11.80	107	101475	21.733	ug/l	100
64) Tetrachloroethene	11.24	164	124728	23.985	ug/l	98
65) Chlorobenzene	12.39	112	305331	22.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	118646	23.208	ug/l	95
67) Ethyl Benzene	12.51	91	461711	22.822	ug/l	98
68) m/p-Xylenes	12.66	106	382564	49.049	ug/l	97
69) o-Xylene	13.04	106	180314	23.949	ug/l	97
70) Styrene	13.07	104	293633	22.837	ug/l	99
71) Bromoform	13.22	173	73298	23.108	ug/l	96
73) Isopropylbenzene	13.39	105	446275	19.248	ug/l	99
74) N-amyl acetate	13.26	43	115539	18.341	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	91658	19.119	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	90561	19.129	ug/l	97
77) Bromobenzene	13.66	156	135379	20.116	ug/l	96
78) n-propylbenzene	13.77	91	514526	18.552	ug/l	98
79) 2-Chlorotoluene	13.83	91	354182	22.331	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	357175	19.409	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26283	18.295	ug/l	93
82) 4-Chlorotoluene	13.94	91	356414	20.508	ug/l	97
83) tert-Butylbenzene	14.18	119	452636	20.400	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	389983	20.997	ug/l	95
85) sec-Butylbenzene	14.36	105	442355	18.452	ug/l	98
86) p-Isopropyltoluene	14.48	119	410599	19.744	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	237405	20.497	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	231025	19.769	ug/l	99
89) n-Butylbenzene	14.79	91	324373	17.945	ug/l	98
90) Hexachloroethane	15.01	117	118500	21.000	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	183061	19.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12802	22.129	ug/l	81

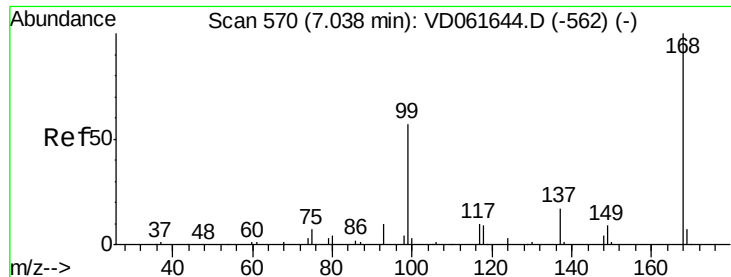
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\NOT REVIEWED DATA\
Data File : VD061760.D
Acq On : 12 Apr 2019 2:52
Operator : VA/AP
Sample : VD0411SBS02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 12 04:21:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	90851	18.681	ug/l	97
94) Hexachlorobutadiene	16.03	225	67480	17.969	ug/l	100
95) Naphthalene	16.12	128	161832	21.030	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	52892	21.791	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

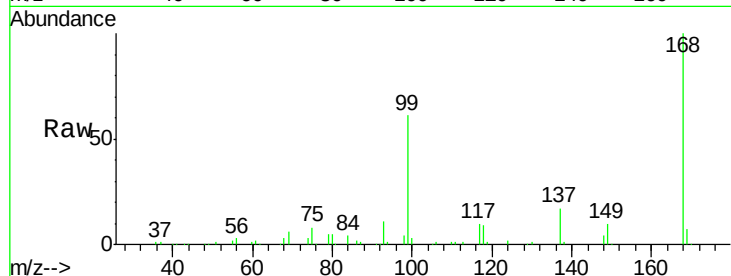
ClientSampleId :

Tot Ion:168 Resp: 528279

Ion Ratio Lower Upper

168 100

99 60.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

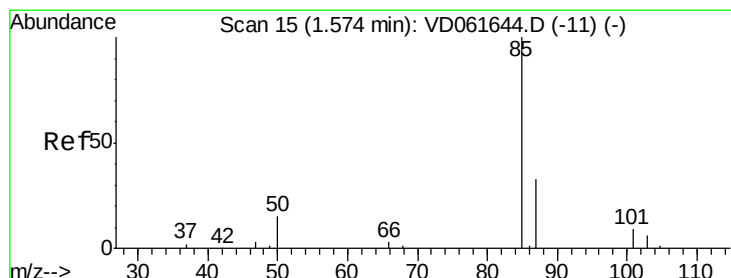
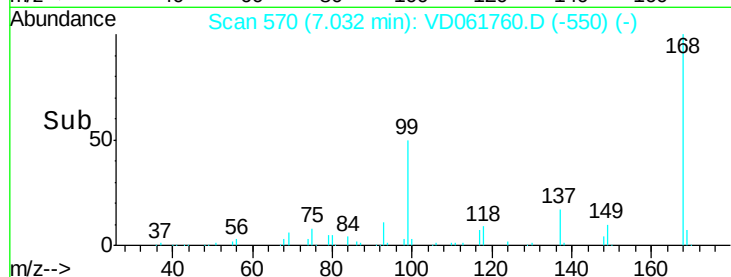
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 16.987 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061760.D

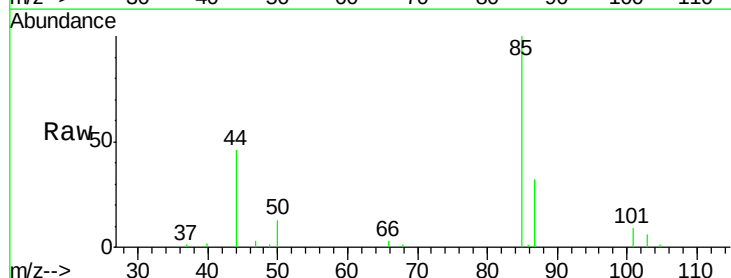
Acq: 12 Apr 2019 2:52

Tgt Ion: 85 Resp: 96815

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

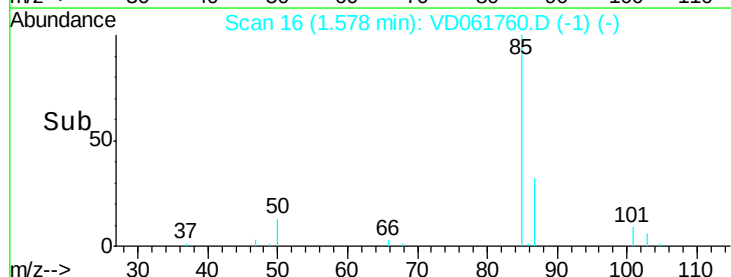
20000

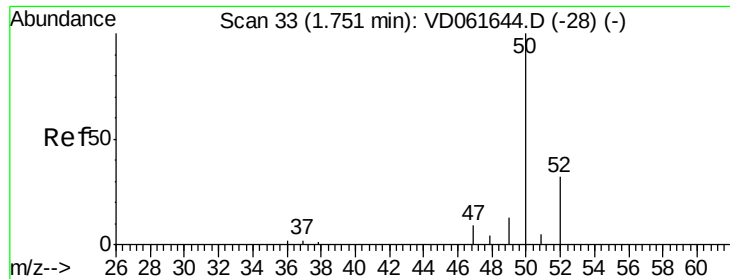
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.859 ug/l

RT: 1.75 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

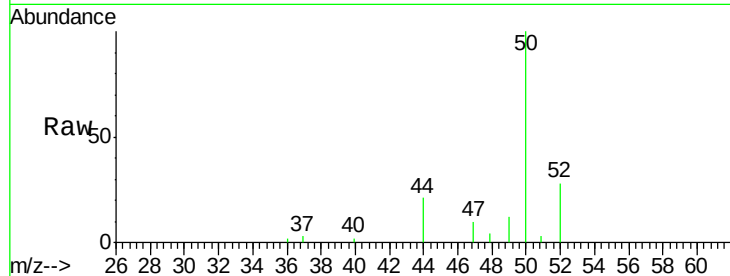
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 91461

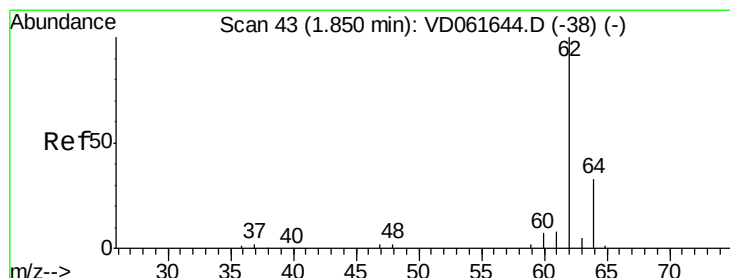
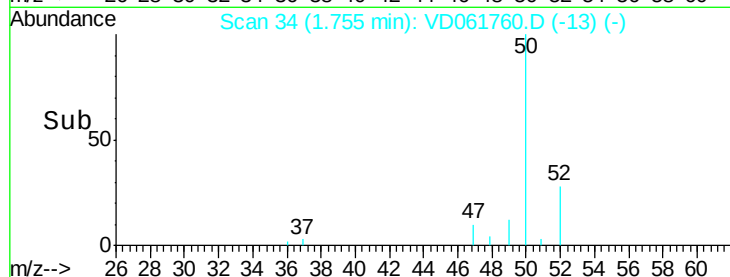
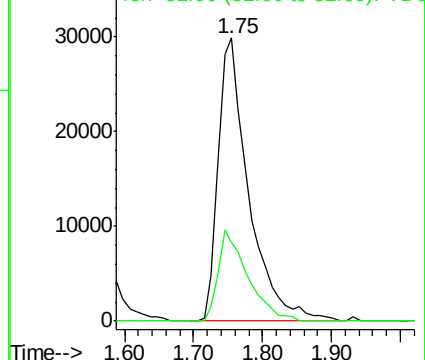
Ion Ratio Lower Upper

50 100

52 27.7 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.607 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061760.D

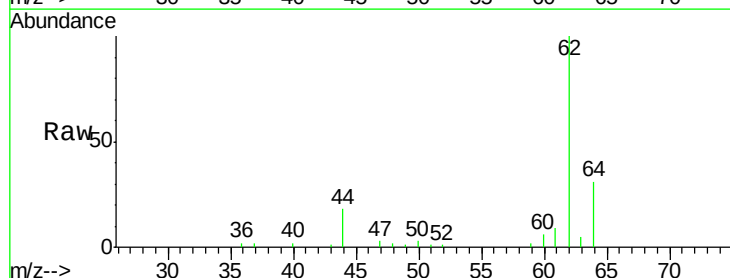
Acq: 12 Apr 2019 2:52

Tgt Ion: 62 Resp: 84380

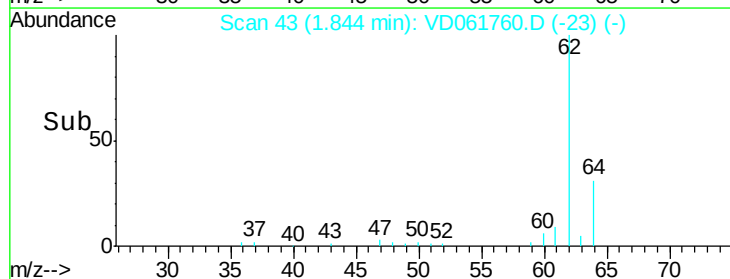
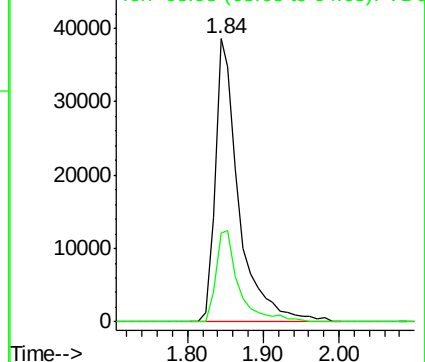
Ion Ratio Lower Upper

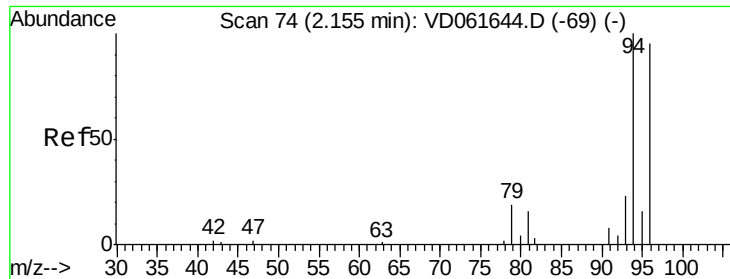
62 100

64 31.4 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC

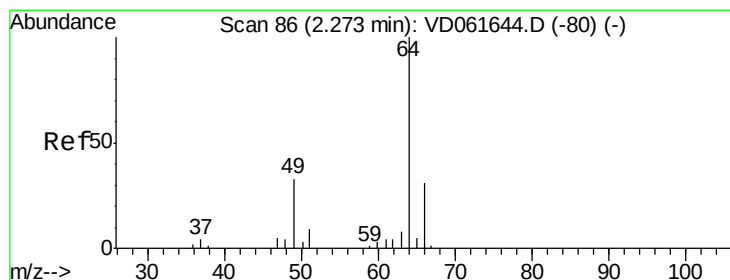
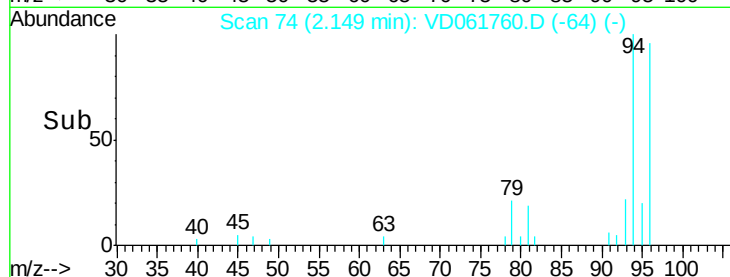
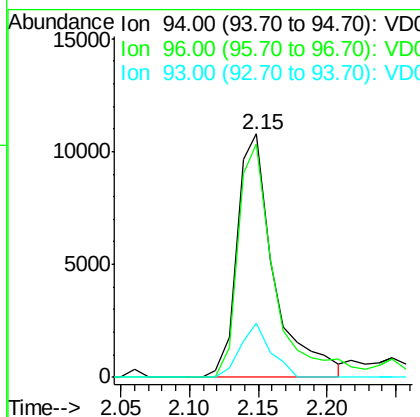
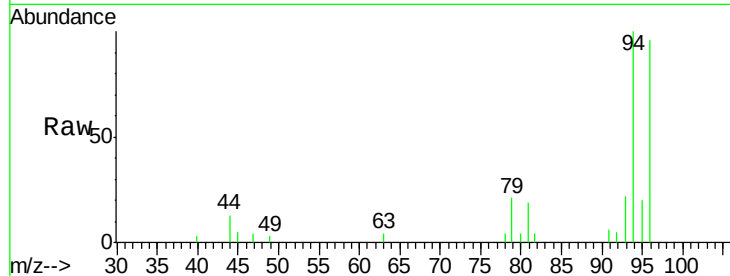




#5
Bromomethane
Concen: 20.259 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

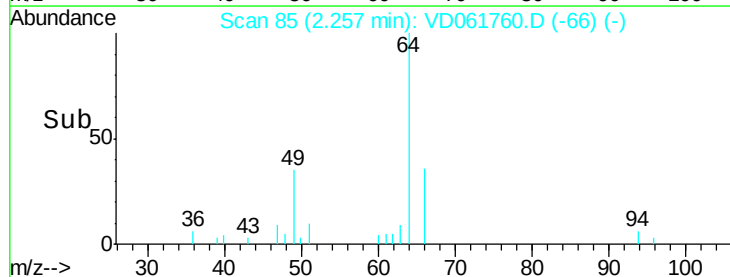
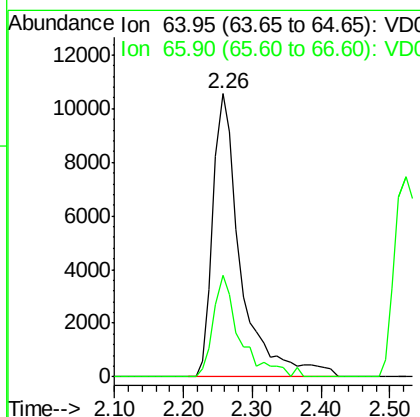
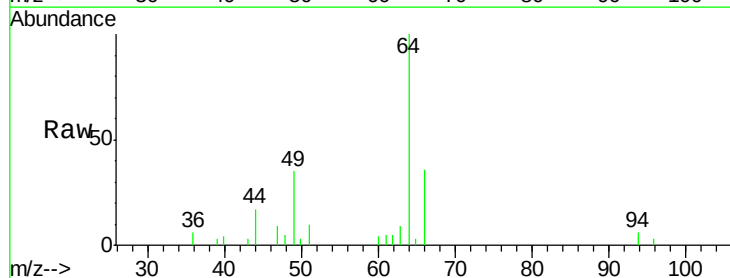
Instrument :
MSVOA_D
ClientSampled :

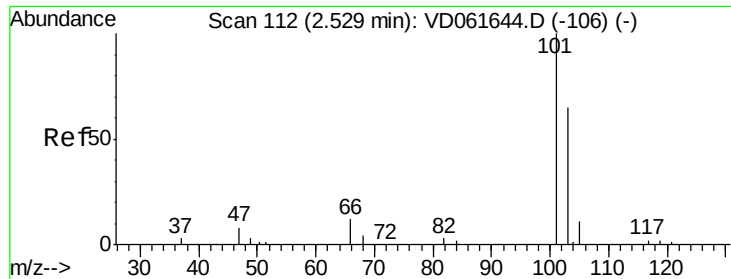
Tot Ion: 94 Resp: 20180
Ion Ratio Lower Upper
94 100
96 95.6 75.8 113.8
93 22.3 18.6 28.0



#6
Chloroethane
Concen: 22.055 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 64 Resp: 29728
Ion Ratio Lower Upper
64 100
66 36.1 24.9 37.3



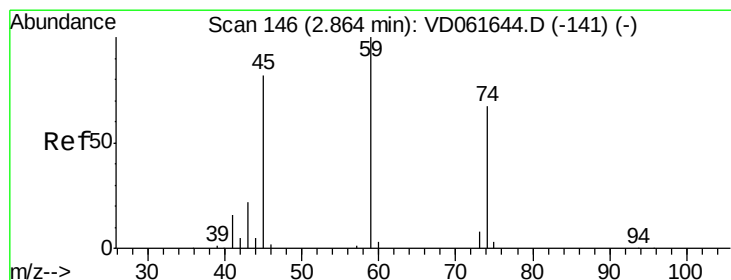
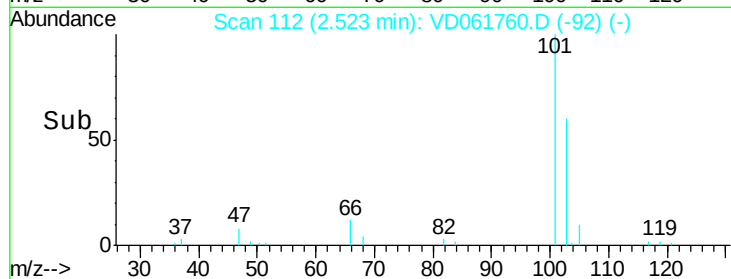
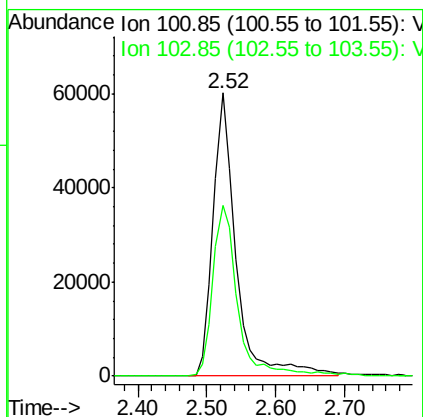
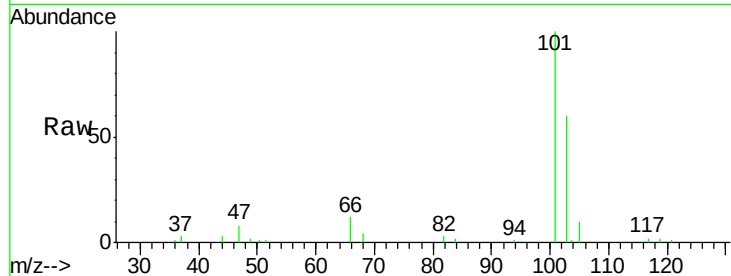


#7

Trichlorofluoromethane
 Concen: 21.513 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :

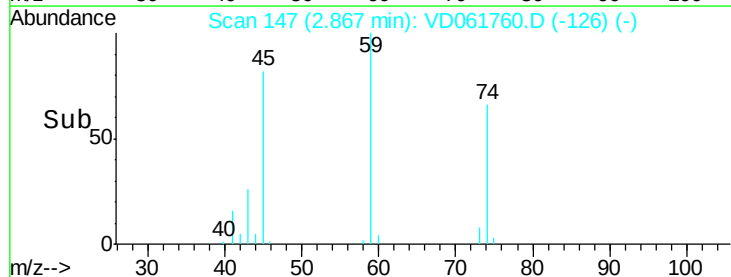
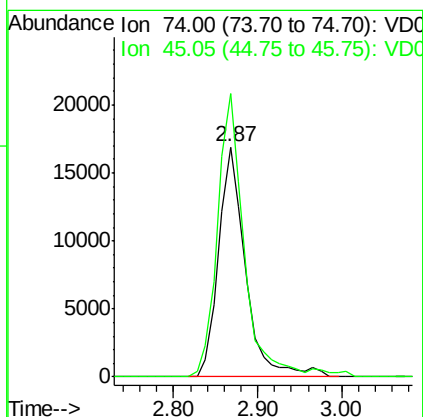
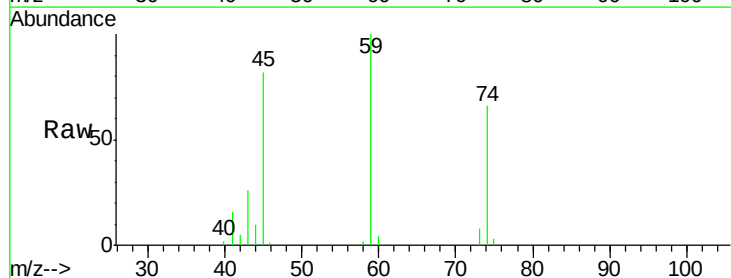
Tot Ion:101 Resp: 139789
 Ion Ratio Lower Upper
 101 100
 103 60.4 52.0 78.0

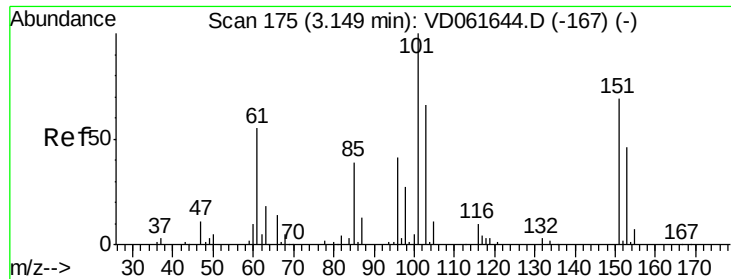


#8

Diethyl Ether
 Concen: 20.632 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 74 Resp: 37624
 Ion Ratio Lower Upper
 74 100
 45 123.2 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.732 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

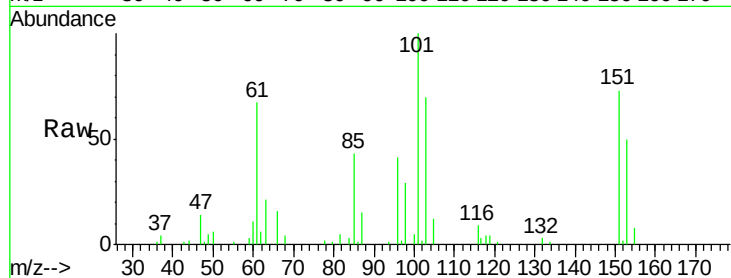
Tot Ion:101 Resp: 119667

Ion Ratio Lower Upper

101 100

85 42.9 31.0 46.6

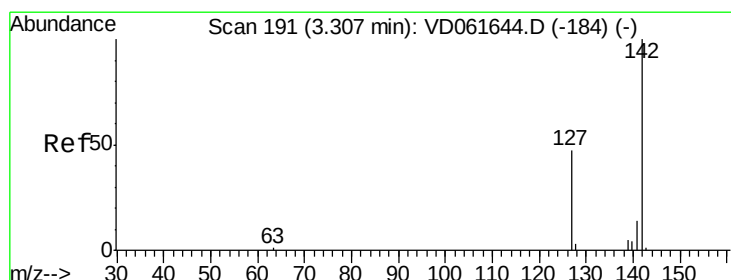
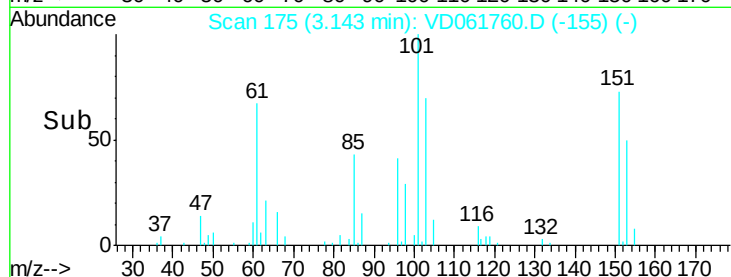
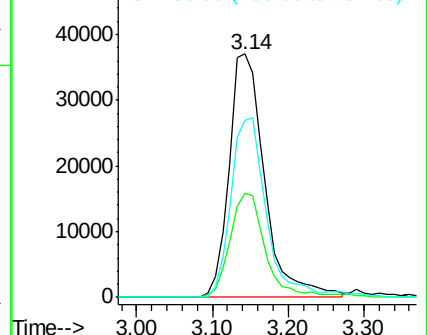
151 72.8 55.3 82.9



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: 20.088 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

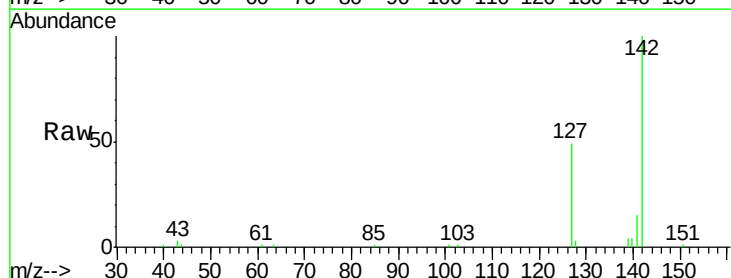
Tgt Ion:142 Resp: 168903

Ion Ratio Lower Upper

142 100

127 49.0 37.2 55.8

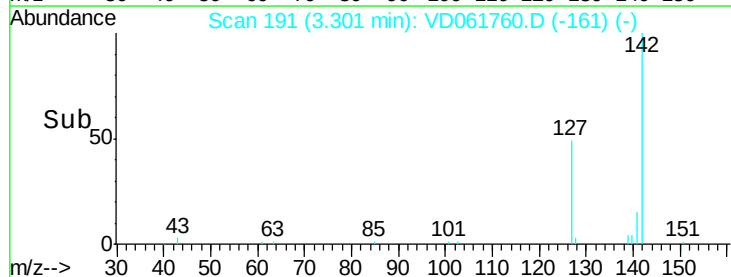
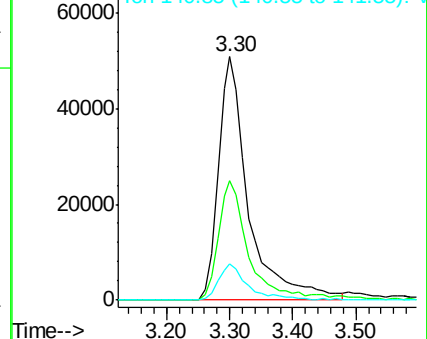
141 14.7 10.8 16.2

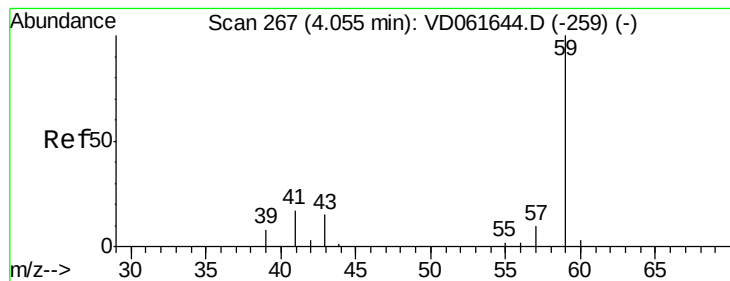


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



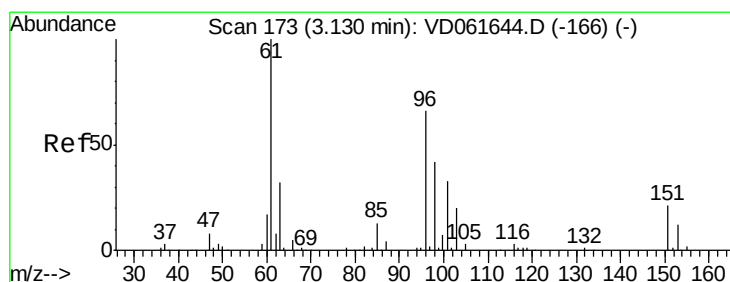
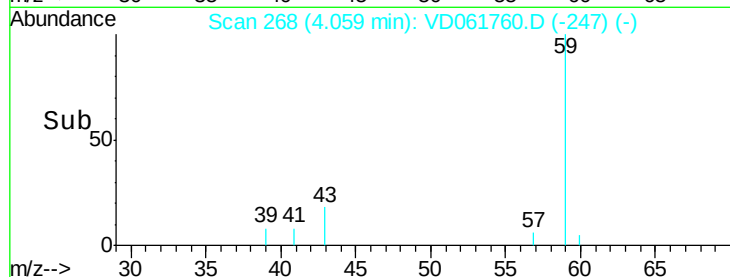
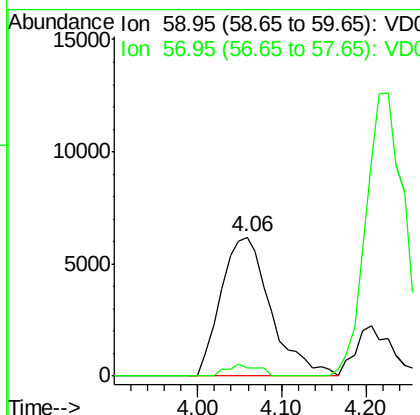
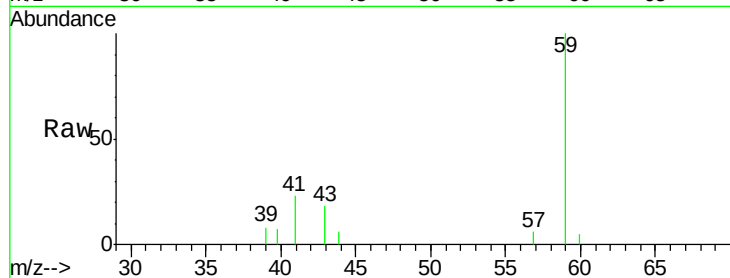


#11

Tert butyl alcohol
 Concen: 94.353 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampled :

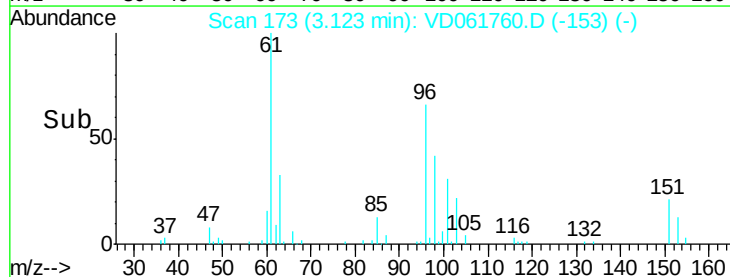
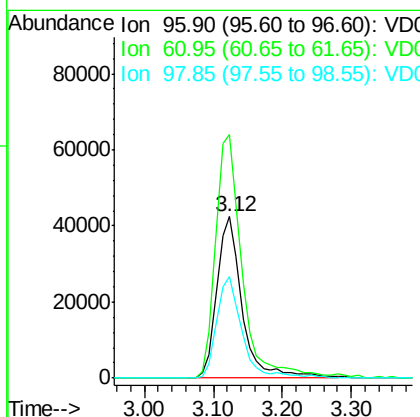
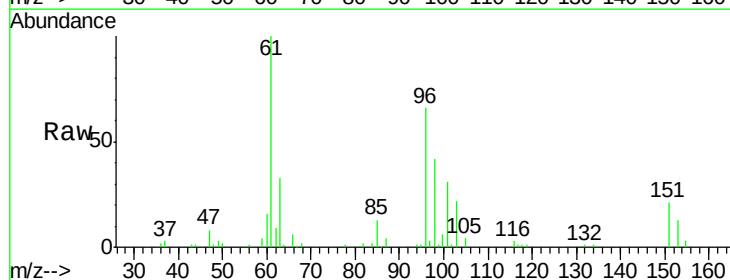
Tot Ion: 59 Resp: 25321
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.4 12.6#

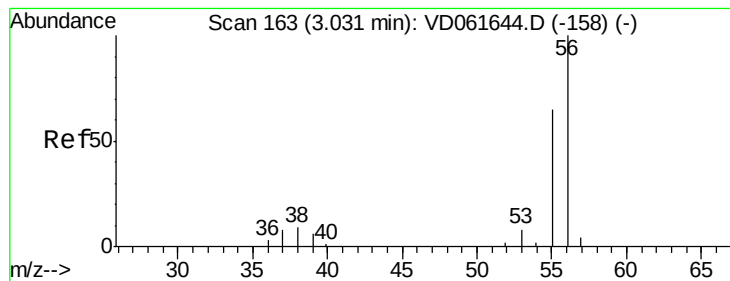


#12

1,1-Dichloroethene
 Concen: 19.601 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 96 Resp: 107947
 Ion Ratio Lower Upper
 96 100
 61 150.8 121.3 181.9
 98 62.8 50.6 76.0





#13

Acrolein

Concen: 66.694 ug/l

RT: 3.02 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

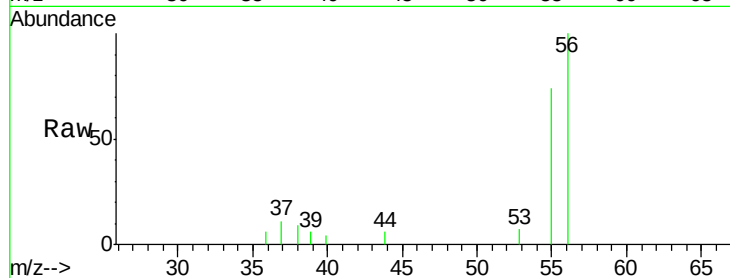
ClientSampleId :

Tot Ion: 56 Resp: 21822

Ion Ratio Lower Upper

56 100

55 73.6 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

8000

6000

4000

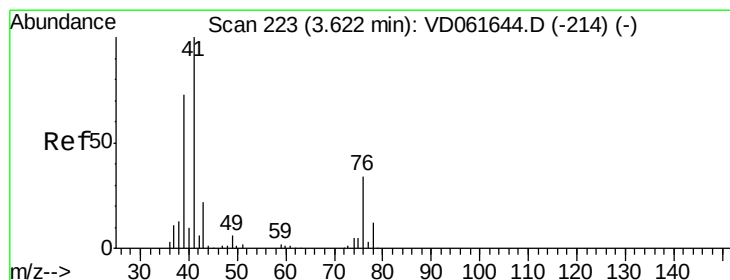
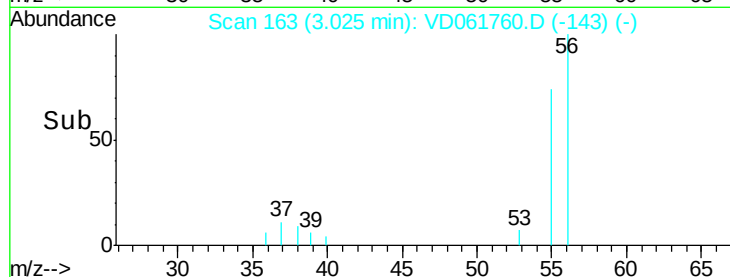
2000

0

Time-->

3.00

3.10



#14

Allyl chloride

Concen: 20.166 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

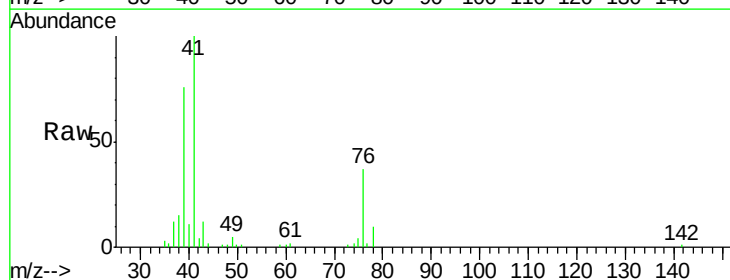
Tgt Ion: 41 Resp: 151474

Ion Ratio Lower Upper

41 100

39 75.5 58.2 87.4

76 36.6 29.8 44.6



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

3.61

60000

40000

20000

0

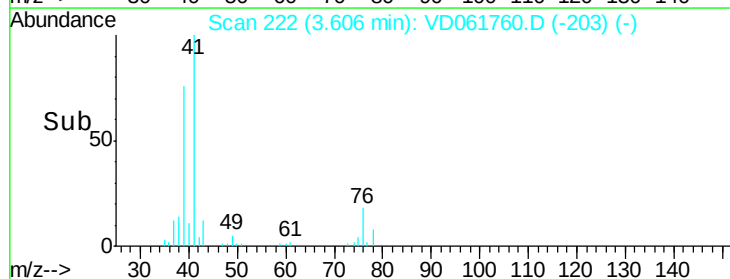
Time-->

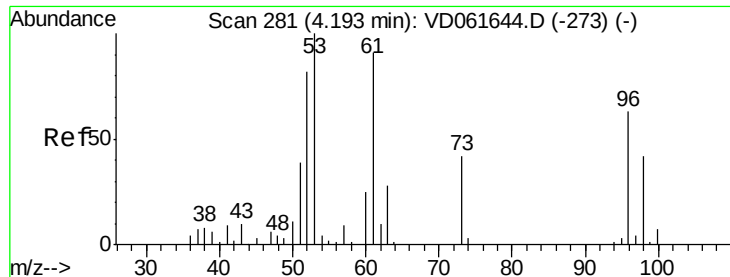
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 101.942 ug/l

RT: 4.19 min Scan# 281

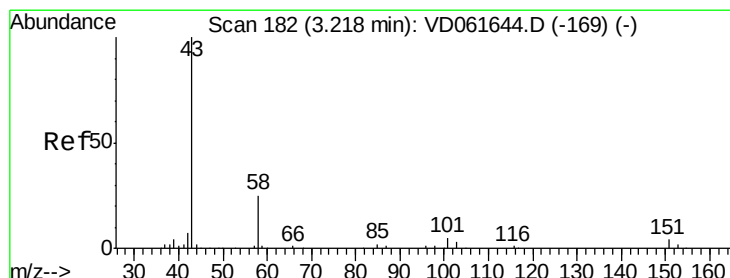
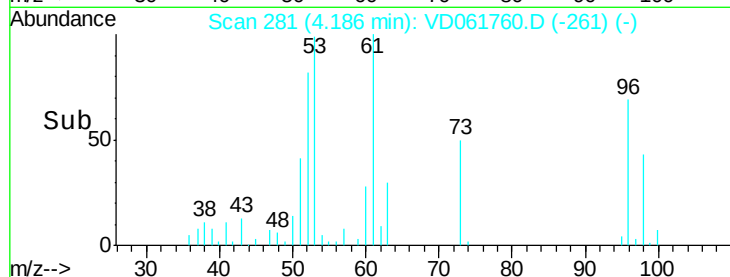
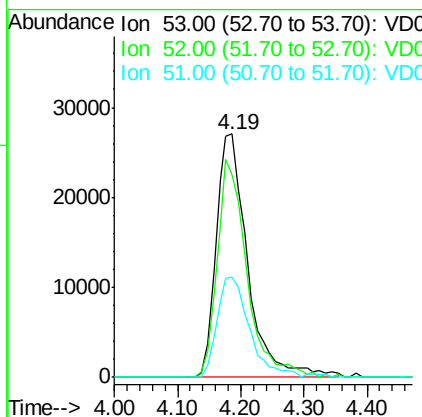
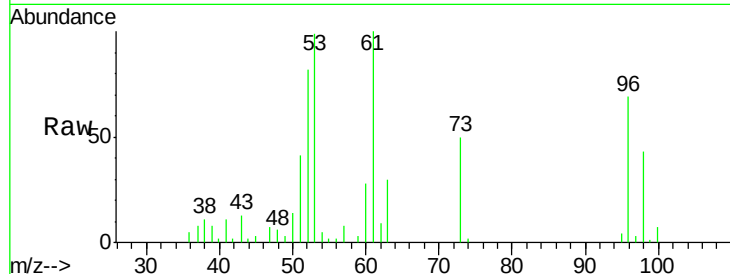
Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	53	Resp:	94174
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.9	98.9
51	41.2	31.4	47.2



#16

Acetone

Concen: 81.052 ug/l

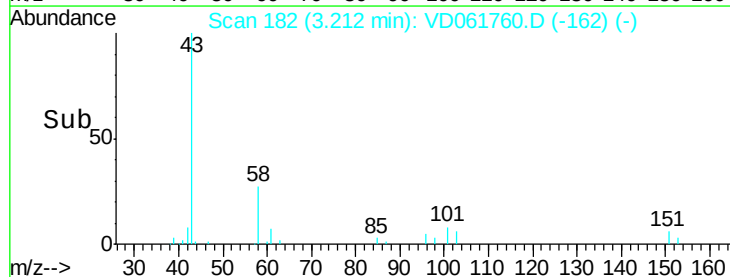
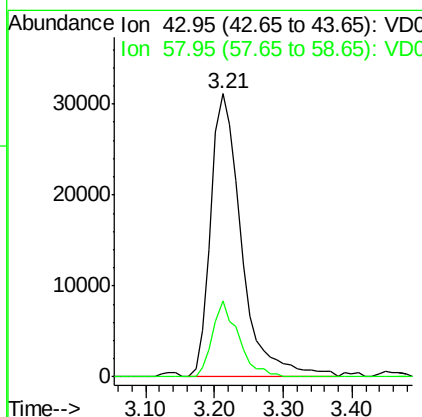
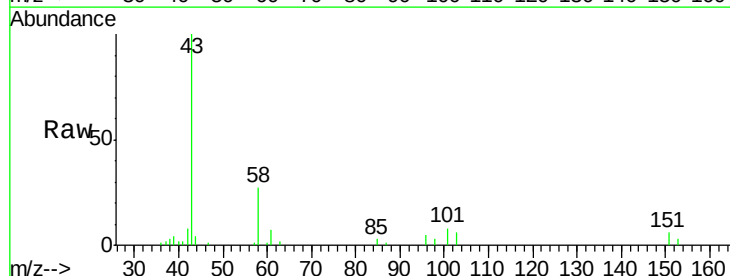
RT: 3.21 min Scan# 182

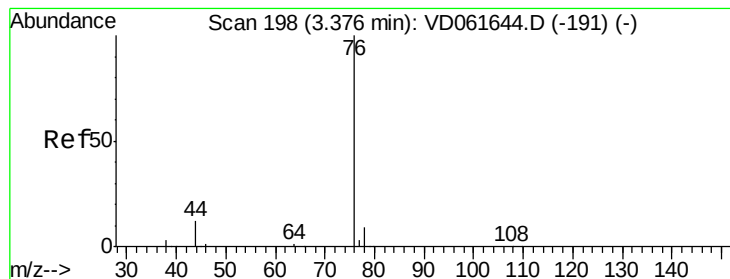
Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Tgt Ion:	43	Resp:	97021
Ion	Ratio	Lower	Upper
43	100		
58	27.0	19.7	29.5





#17

Carbon Disulfide

Concen: 18.520 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

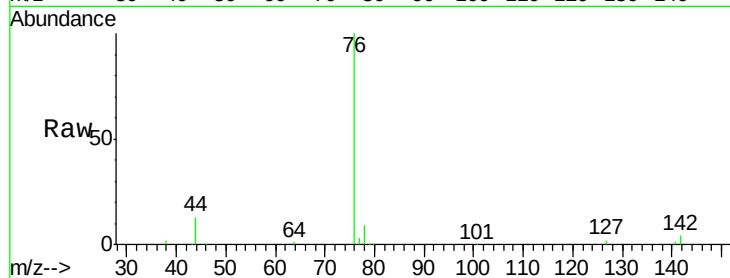
ClientSampleId :

Tot Ion: 76 Resp: 331404

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

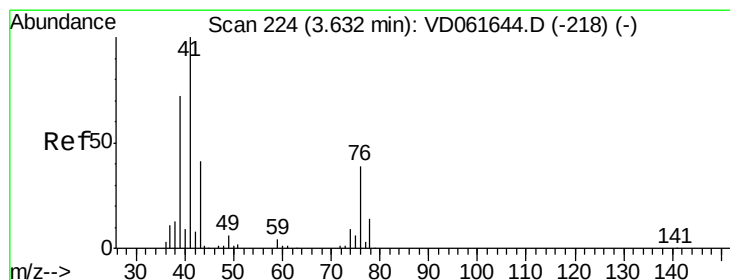
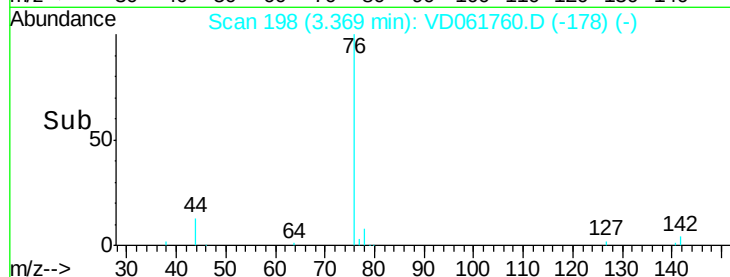
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.102 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061760.D

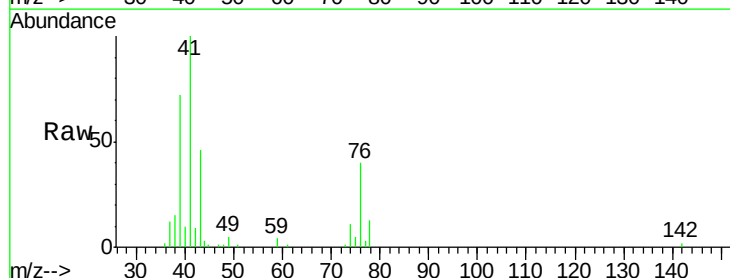
Acq: 12 Apr 2019 2:52

Tgt Ion: 43 Resp: 49777

Ion Ratio Lower Upper

43 100

74 23.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

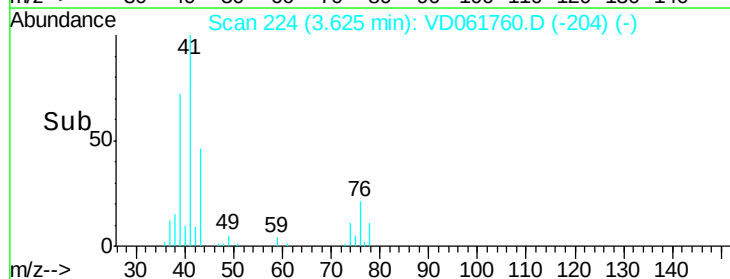
15000

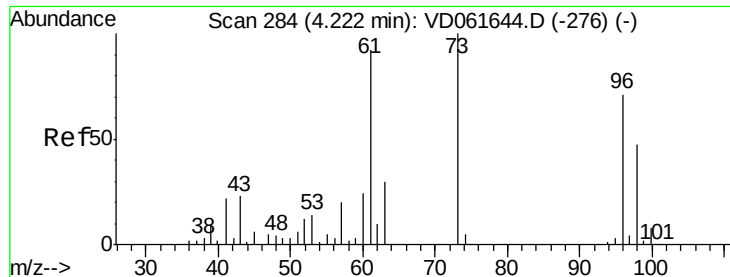
10000

5000

0

Time-->

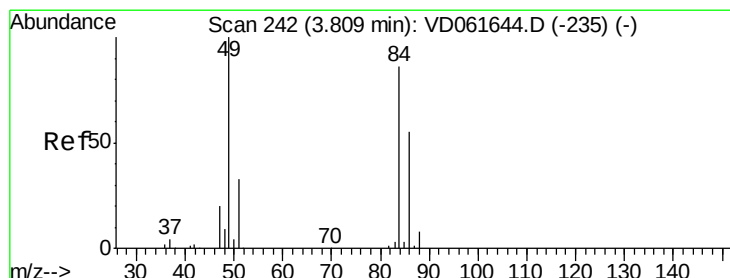
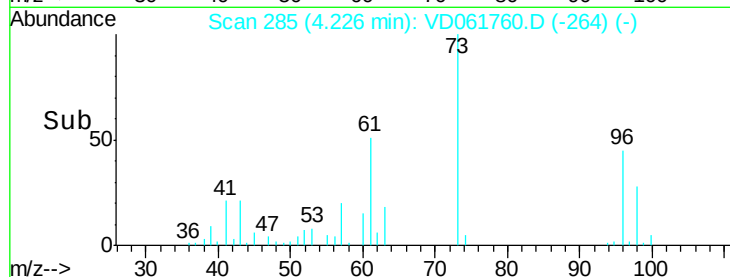
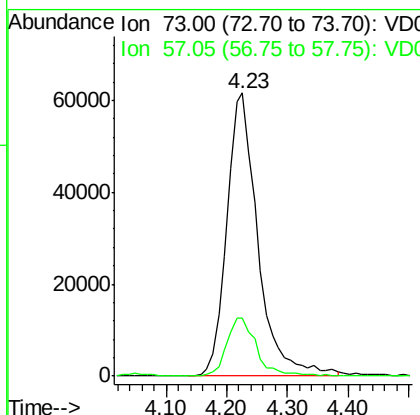
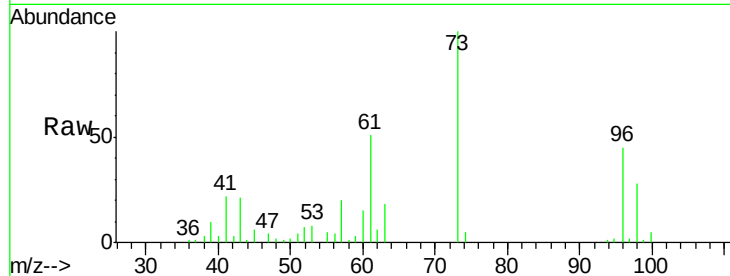




#19
Methyl tert-butyl Ether
Concen: 23.027 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

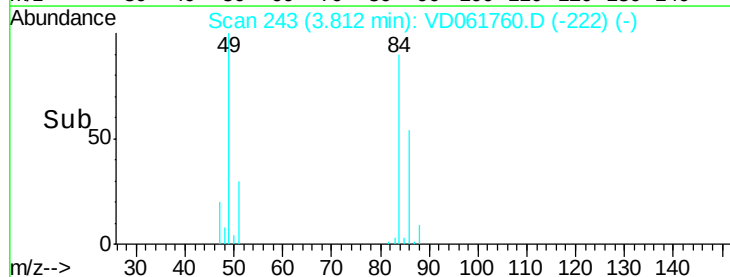
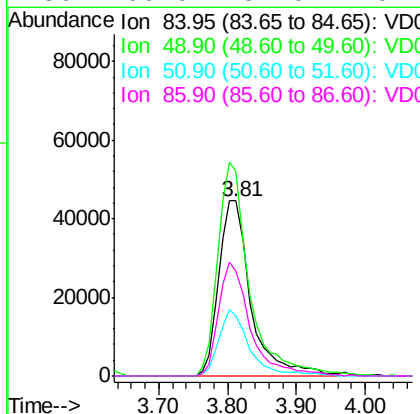
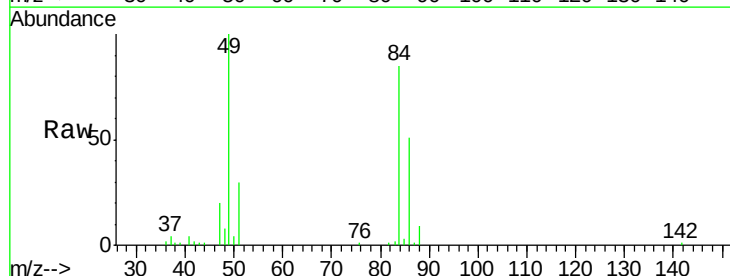
Instrument :
MSVOA_D
ClientSampleId :

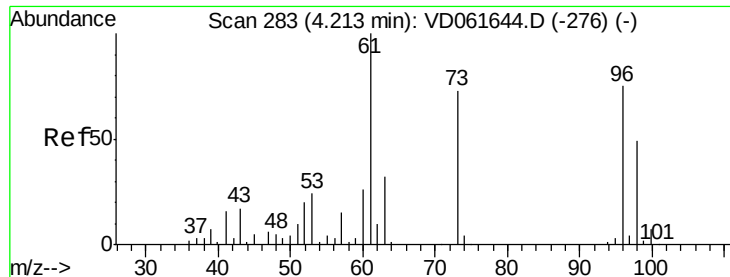
Tot Ion: 73 Resp: 219579
Ion Ratio Lower Upper
73 100
57 20.5 16.0 24.0



#20
Methylene Chloride
Concen: 21.223 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 84 Resp: 144162
Ion Ratio Lower Upper
84 100
49 117.2 93.0 139.4
51 34.7 30.4 45.6
86 60.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 21.076 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

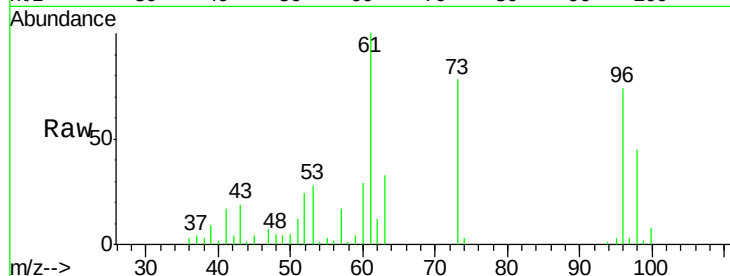
Tot Ion: 96 Resp: 126068

Ion Ratio Lower Upper

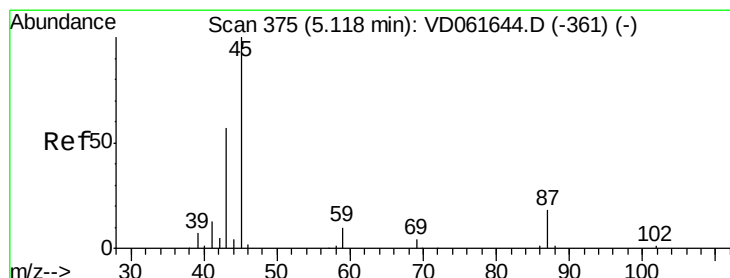
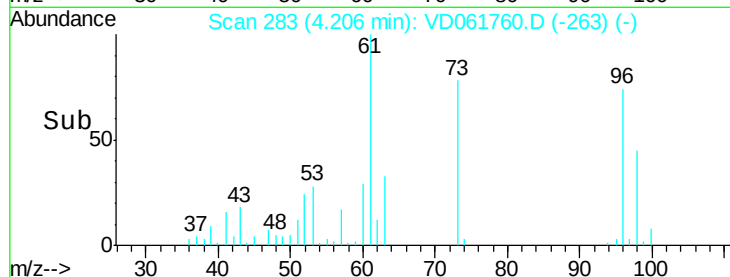
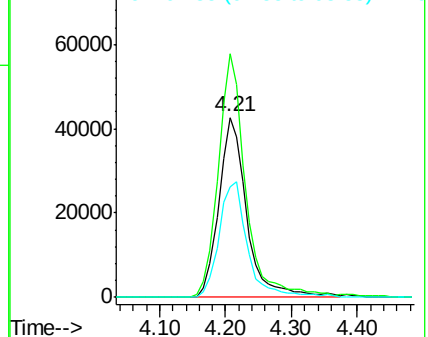
96 100

61 135.1 106.8 160.2

98 61.4 52.2 78.2



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



#22

Diisopropyl ether

Concen: 22.086 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Tgt Ion: 45 Resp: 347826

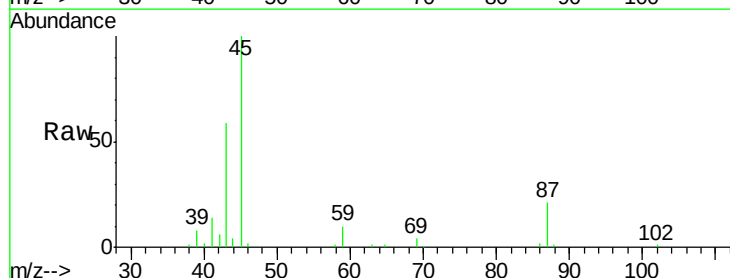
Ion Ratio Lower Upper

45 100

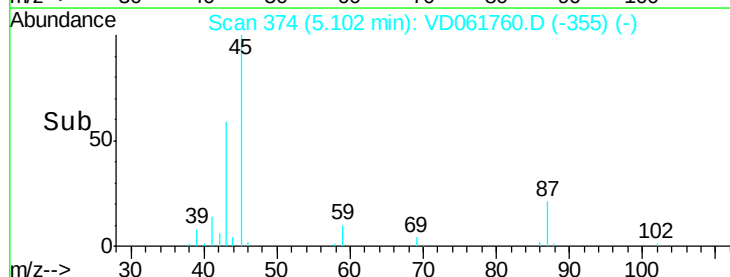
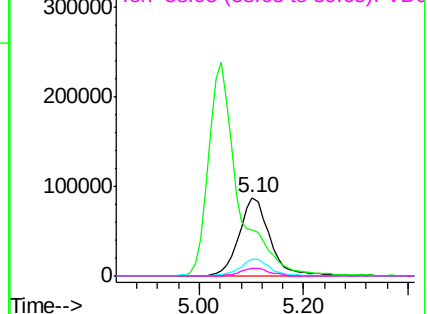
43 59.1 46.6 70.0

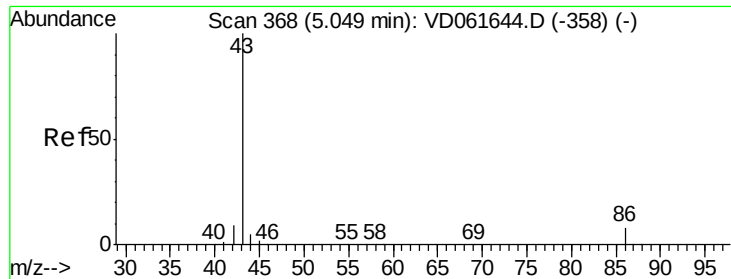
87 20.5 15.6 23.4

59 10.2 8.6 13.0



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: 106.862 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

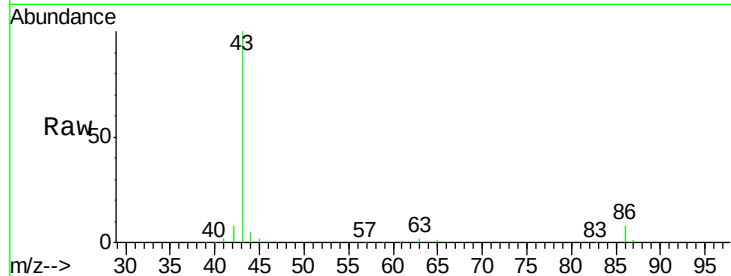
ClientSampleId :

Tot Ion: 43 Resp: 928602

Ion Ratio Lower Upper

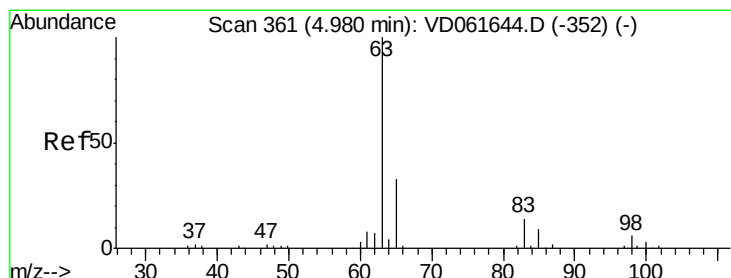
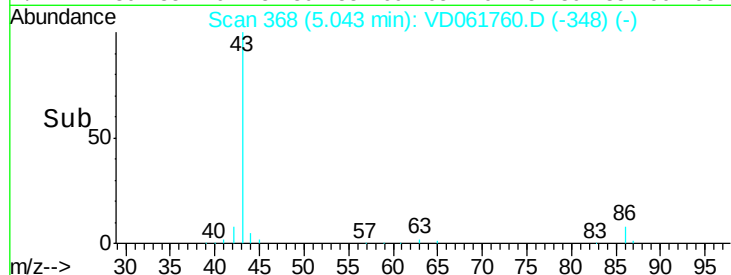
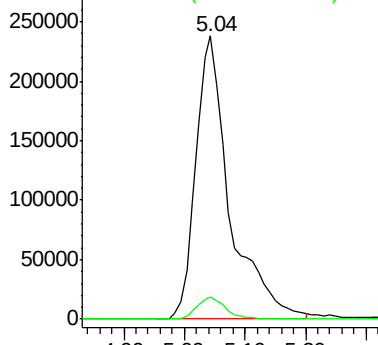
43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.175 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

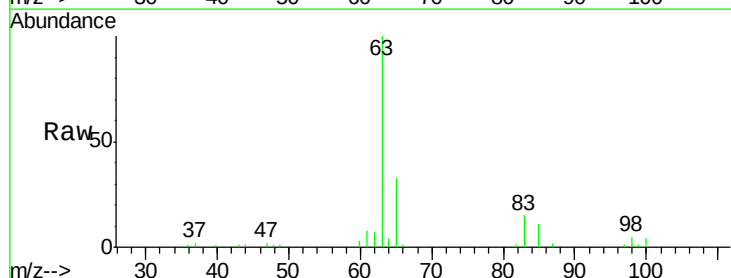
Tgt Ion: 63 Resp: 204347

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

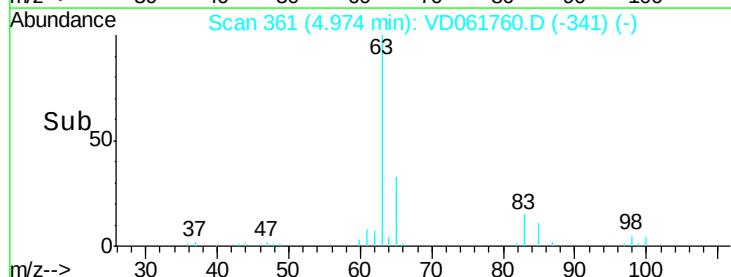
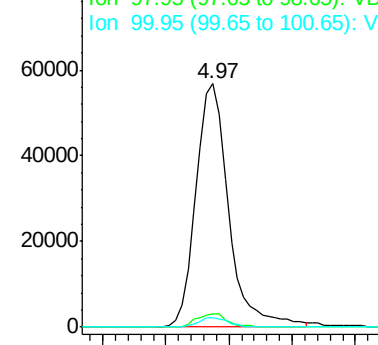
100 3.9 1.7 5.1

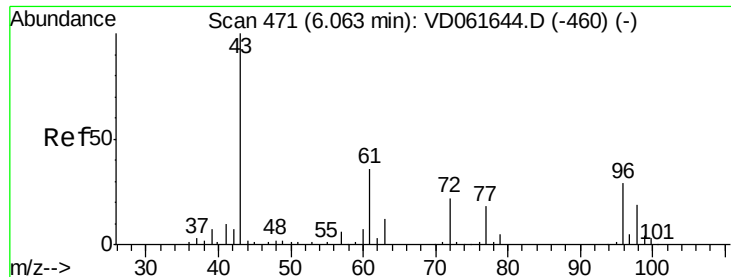


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.462 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

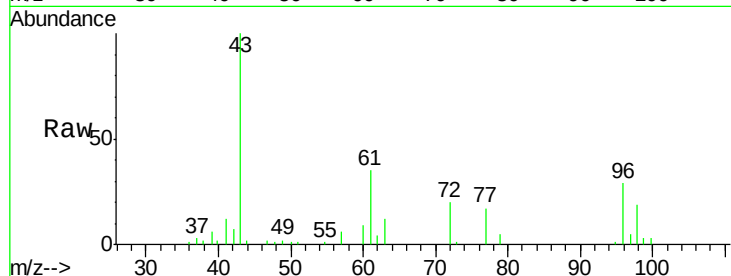
ClientSampleId :

Tot Ion: 43 Resp: 133115

Ion Ratio Lower Upper

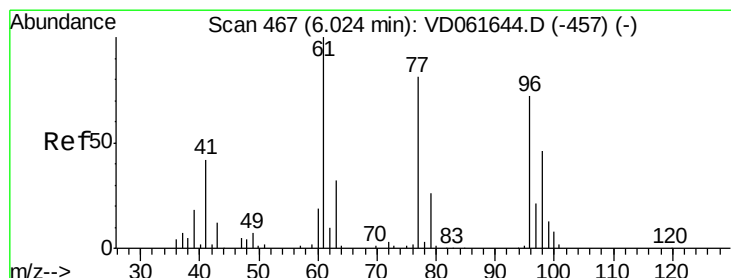
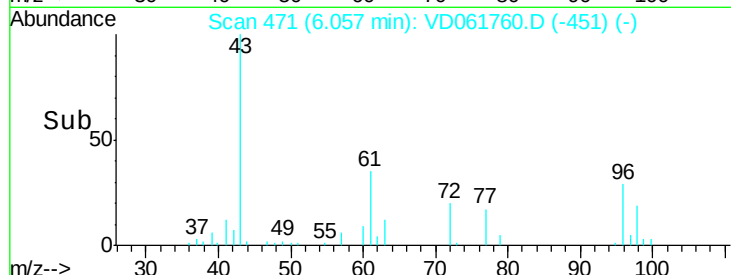
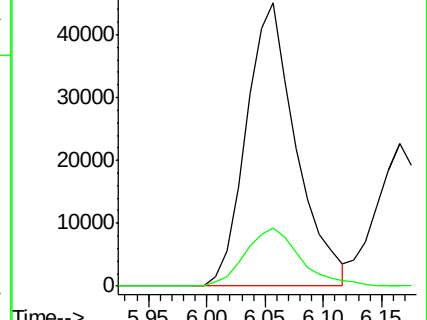
43 100

72 20.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.548 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD061760.D

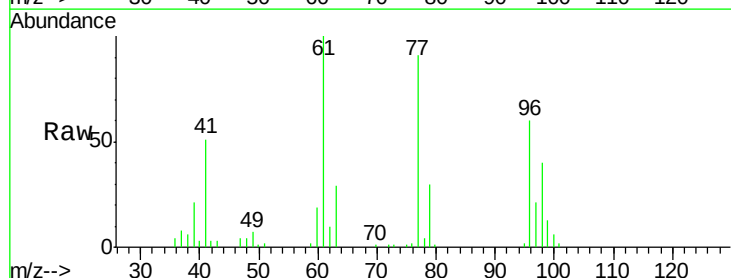
Acq: 12 Apr 2019 2:52

Tgt Ion: 77 Resp: 161465

Ion Ratio Lower Upper

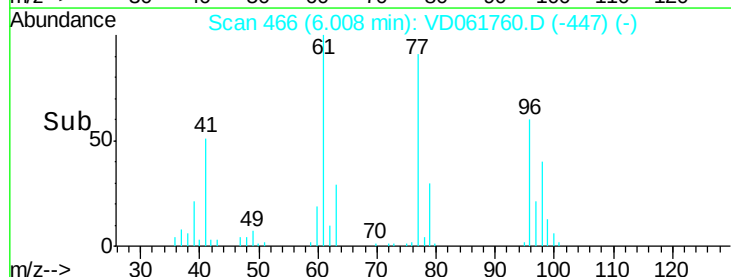
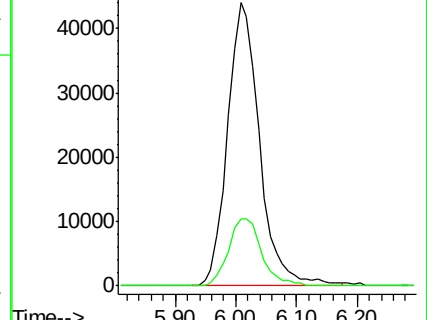
77 100

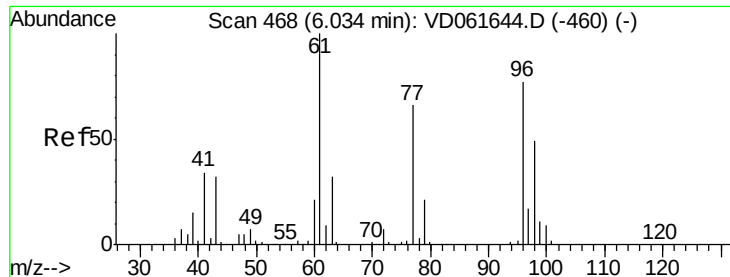
97 23.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



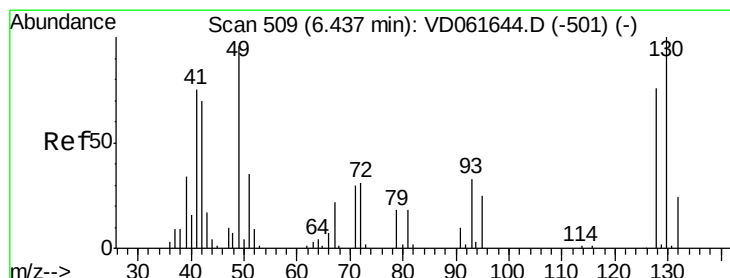
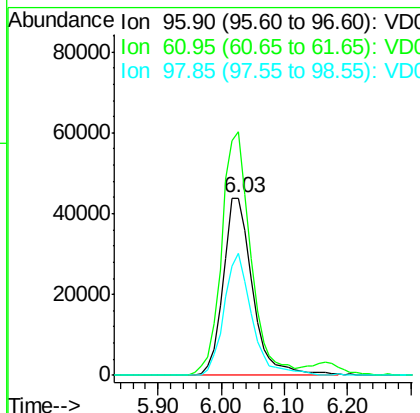
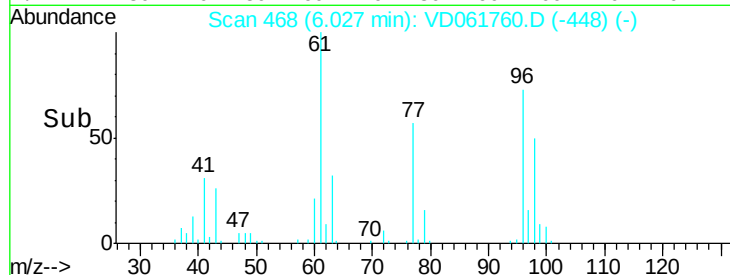
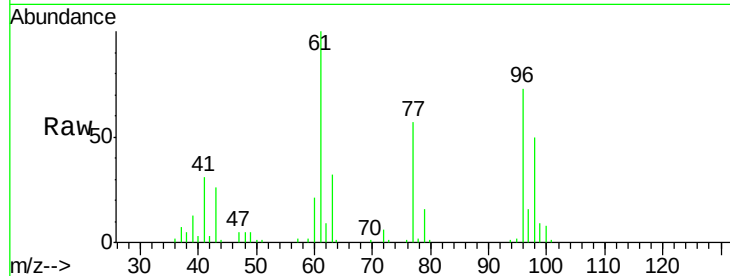


#27

cis-1,2-Dichloroethene
 Concen: 22.209 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampled :

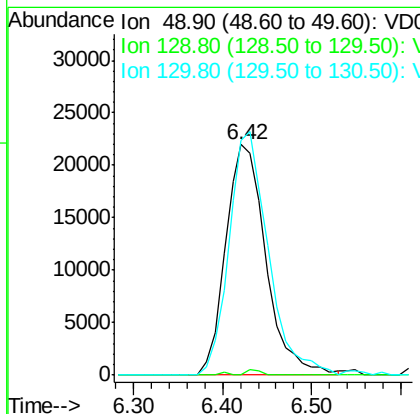
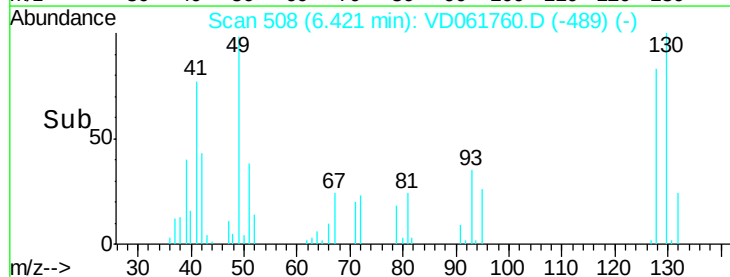
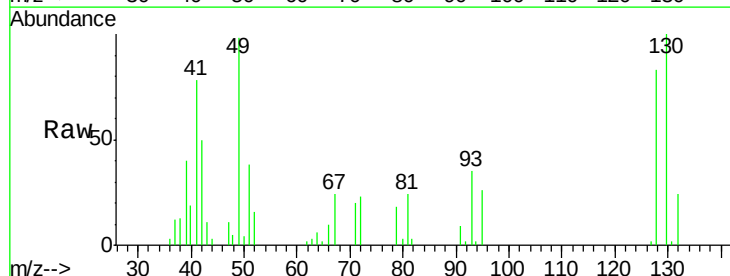
Tot Ion	96	Resp	141720
Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	259.8
98	68.7	0.0	127.6

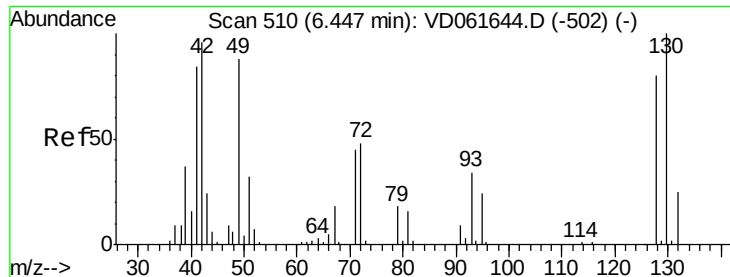


#28

Bromochloromethane
 Concen: 19.467 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion	49	Resp	69302
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	101.6	83.3	124.9





#29

Tetrahydrofuran

Concen: 102.576 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

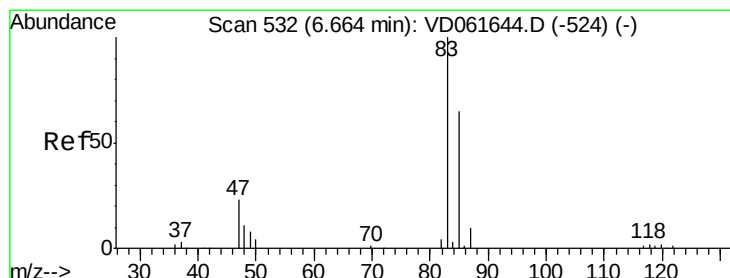
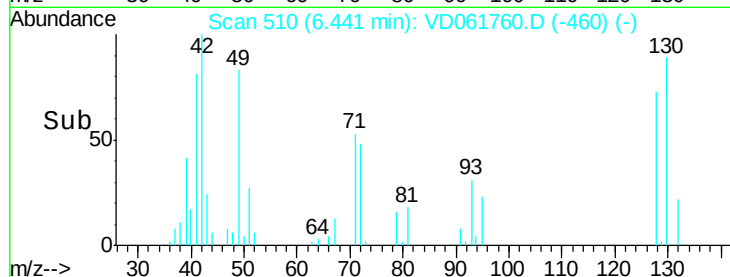
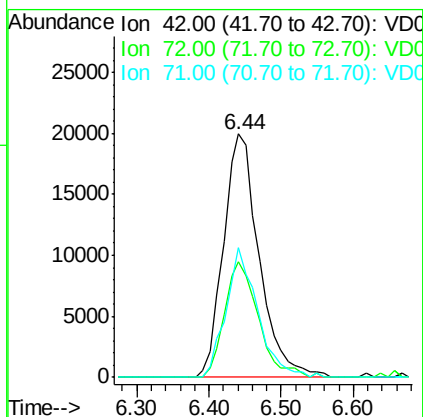
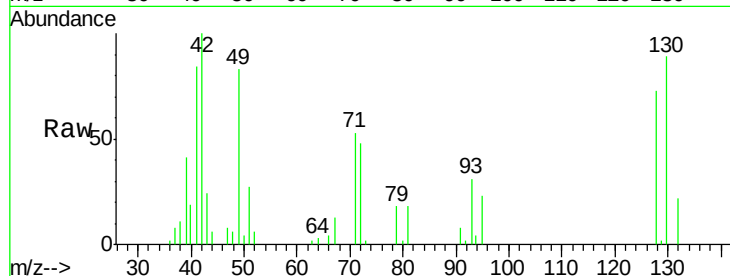
Tot Ion: 42 Resp: 68332

Ion Ratio Lower Upper

42 100

72 45.4 37.0 55.6

71 47.4 36.5 54.7



#30

Chloroform

Concen: 21.960 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD061760.D

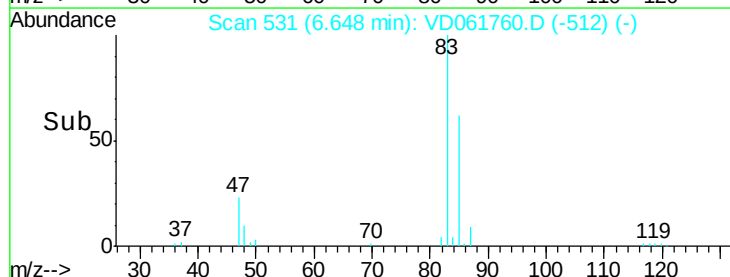
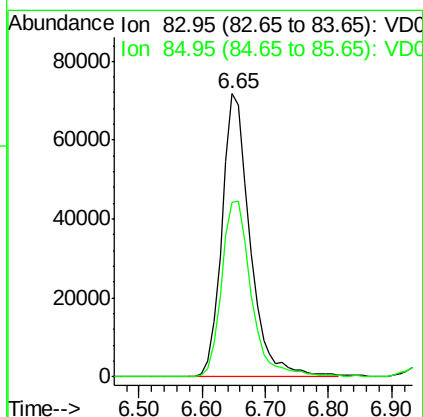
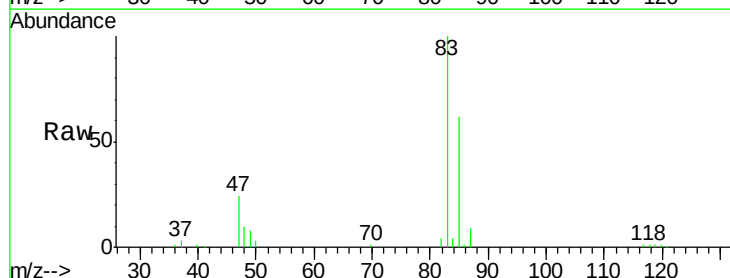
Acq: 12 Apr 2019 2:52

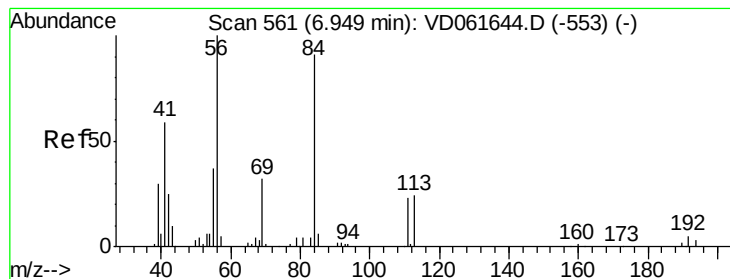
Tgt Ion: 83 Resp: 222009

Ion Ratio Lower Upper

83 100

85 61.6 51.9 77.9





#31

Cyclohexane

Concen: 17.912 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :

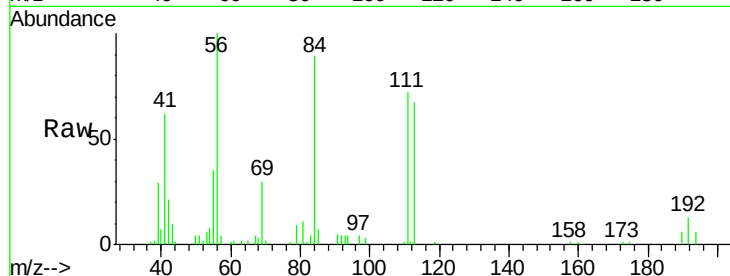
Tot Ion: 56 Resp: 135045

Ion Ratio Lower Upper

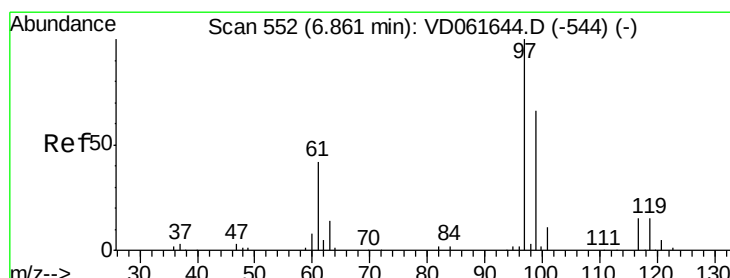
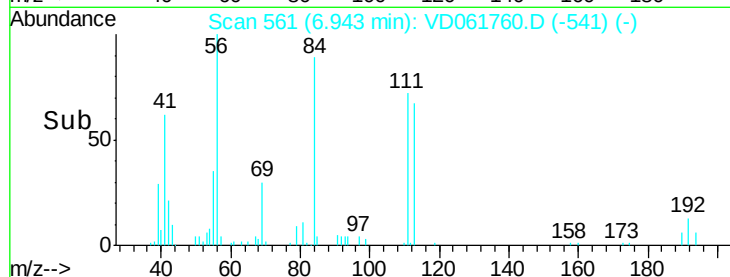
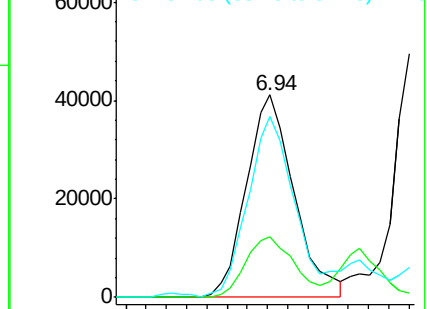
56 100

69 29.9 25.8 38.6

84 89.0 74.2 111.2



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: 21.091 ug/l

RT: 6.85 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

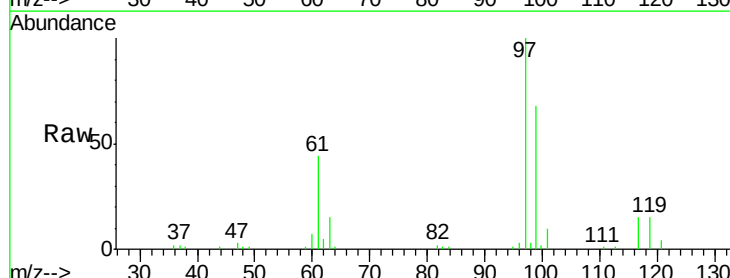
Tgt Ion: 97 Resp: 186858

Ion Ratio Lower Upper

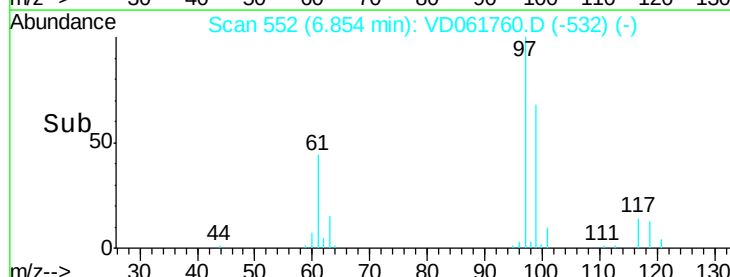
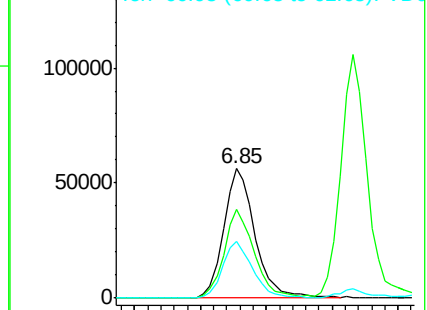
97 100

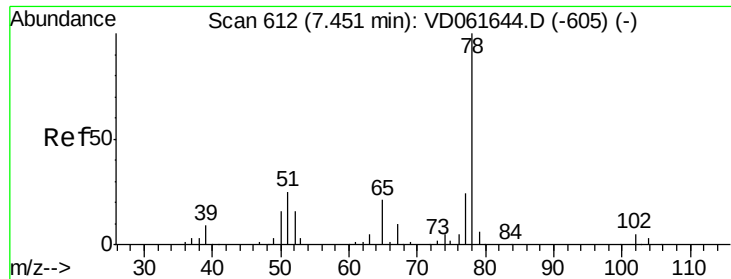
99 68.2 52.5 78.7

61 44.1 33.4 50.0



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

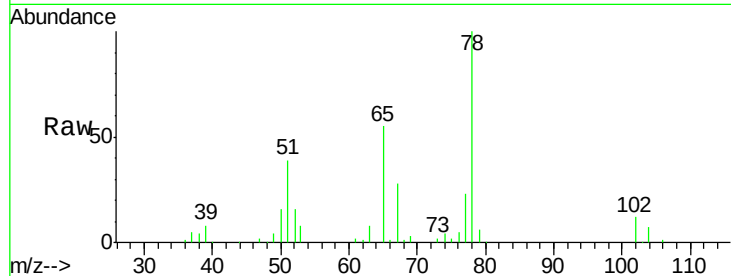




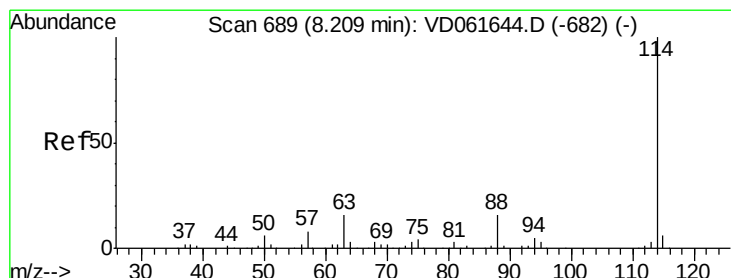
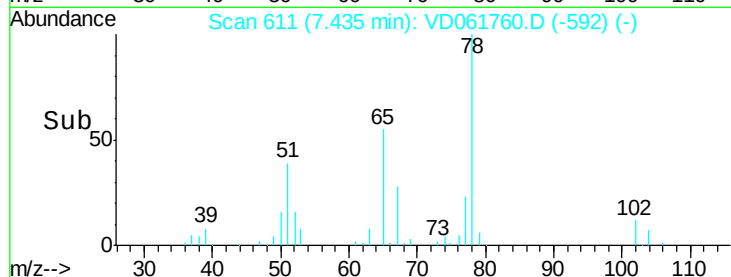
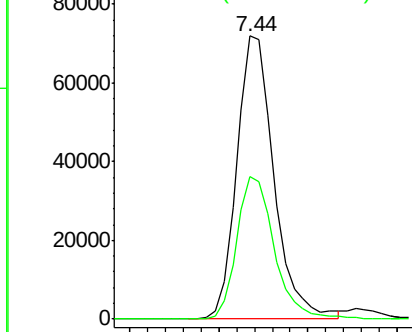
#33
 1,2-Dichloroethane-d4
 Concen: 21.091 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 208673
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4

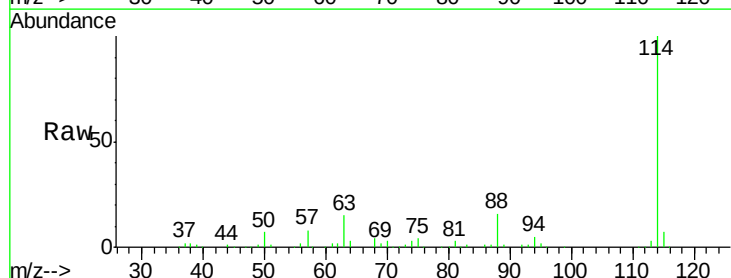


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

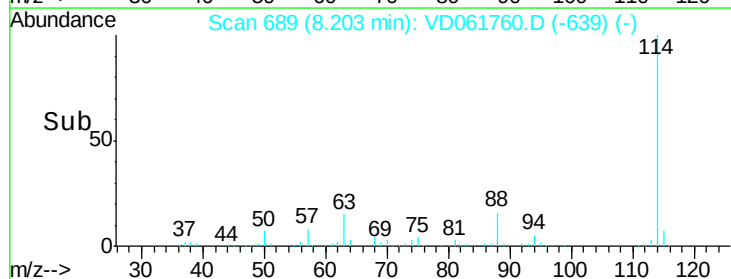
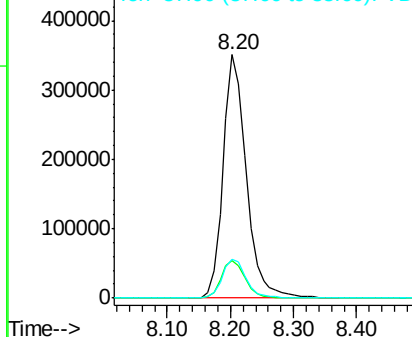


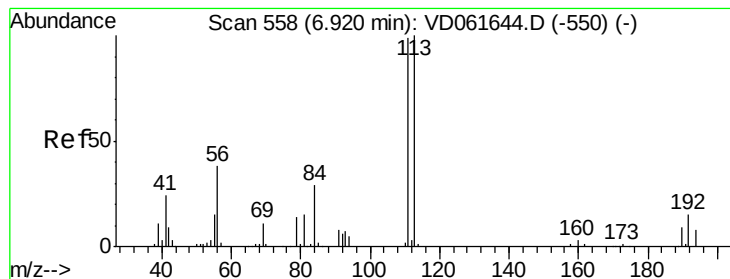
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 114 Resp: 897885
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.2
 88 16.0 0.0 31.8



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: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampled :

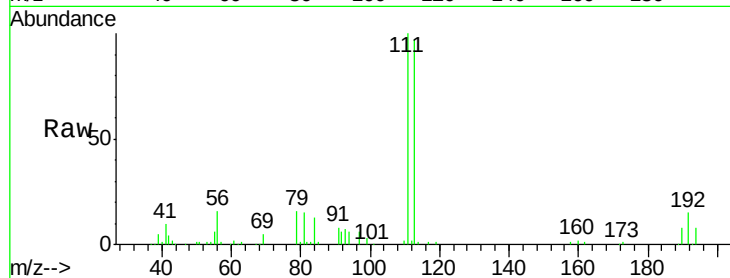
Tot Ion:113 Resp: 299676

Ion Ratio Lower Upper

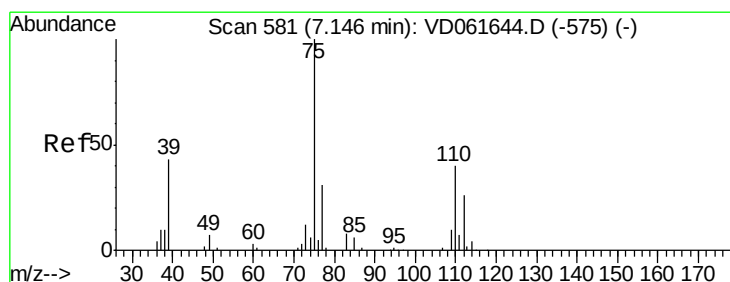
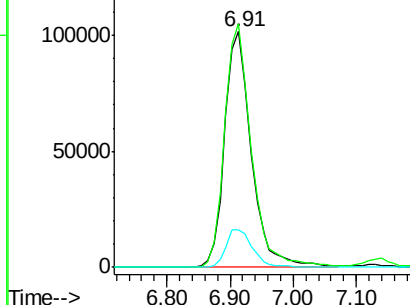
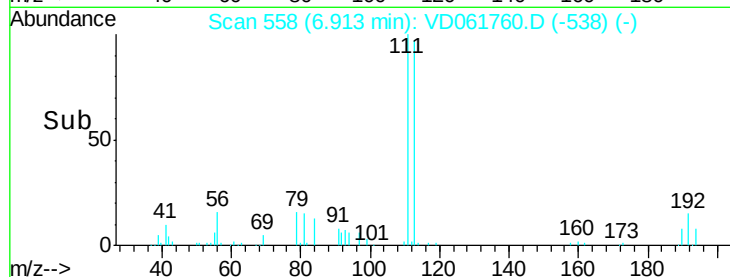
113 100

111 103.4 79.3 118.9

192 16.0 12.3 18.5



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: 19.837 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

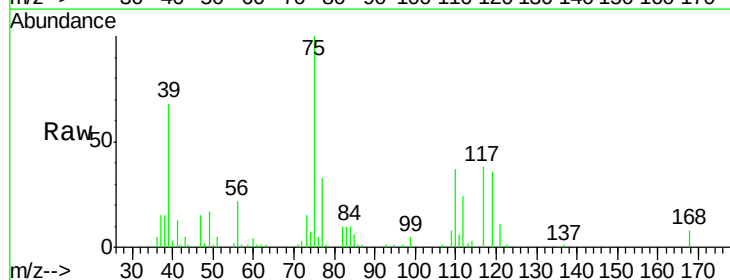
Tgt Ion: 75 Resp: 155885

Ion Ratio Lower Upper

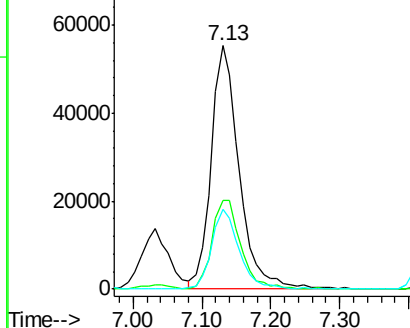
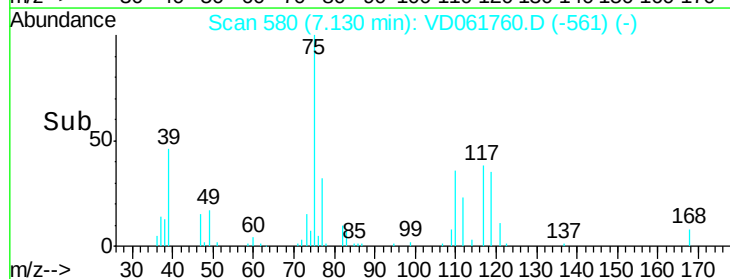
75 100

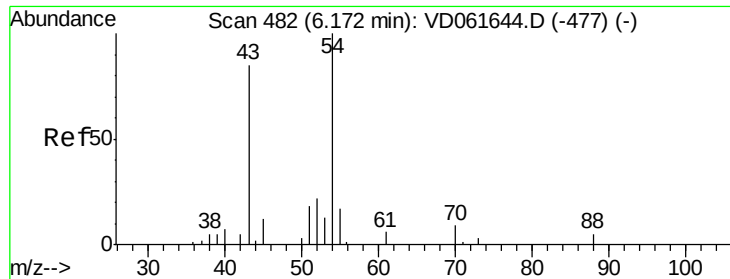
110 36.6 19.7 59.0

77 33.0 24.8 37.2



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

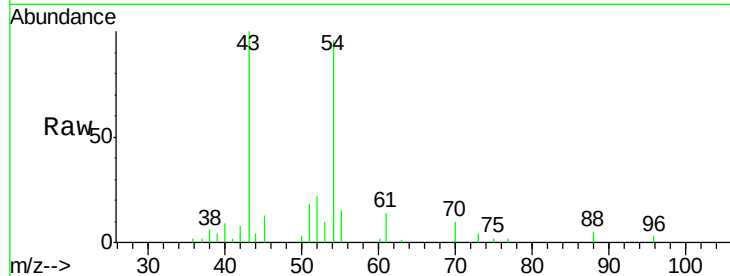




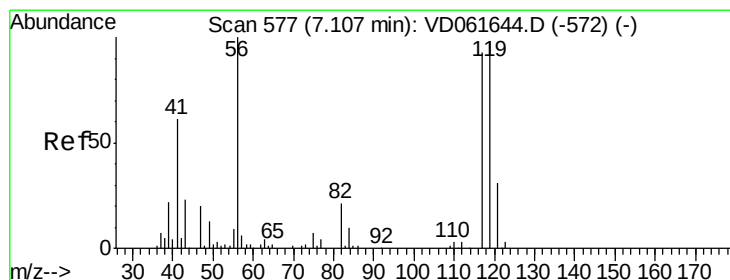
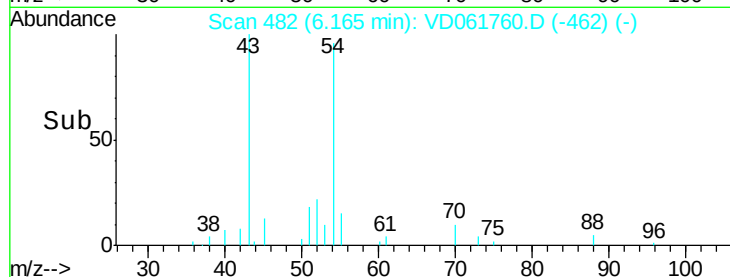
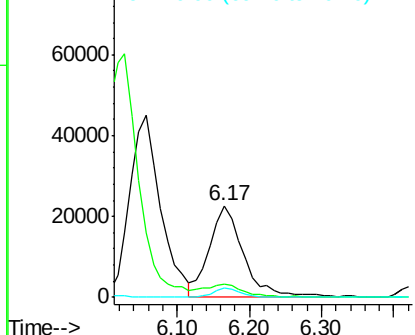
#37
Ethyl Acetate
Concen: 23.235 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 74370
Ion Ratio Lower Upper
43 100
61 13.9 11.9 17.9
70 9.8 6.9 10.3

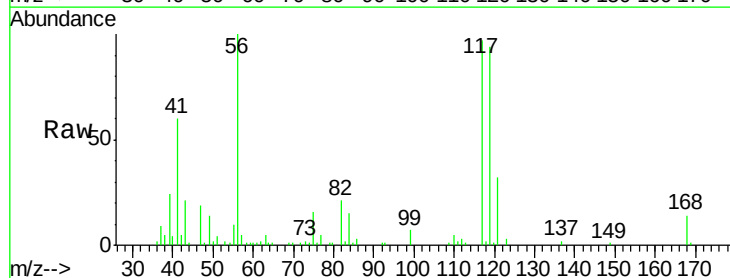


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

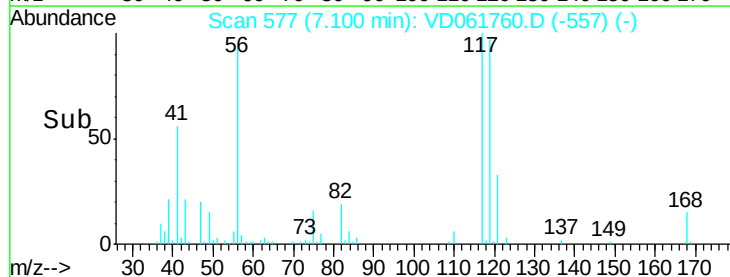
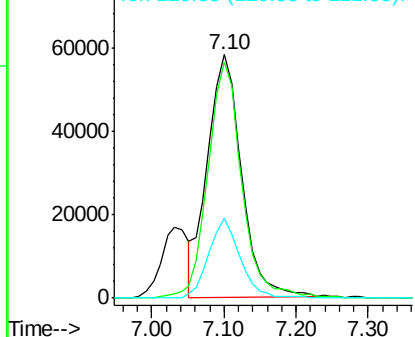


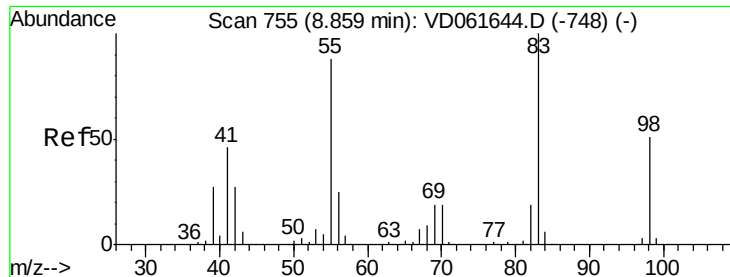
#38
Carbon Tetrachloride
Concen: 20.620 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 117 Resp: 189908
Ion Ratio Lower Upper
117 100
119 97.2 77.9 116.9
121 33.0 24.7 37.1



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

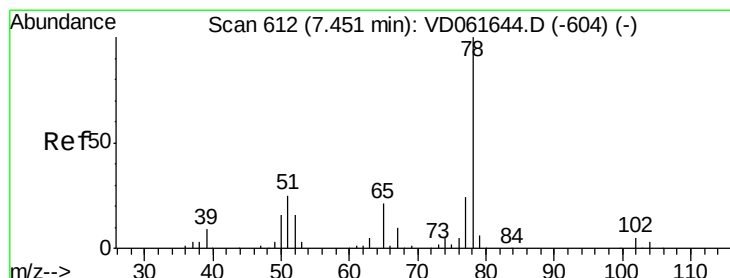
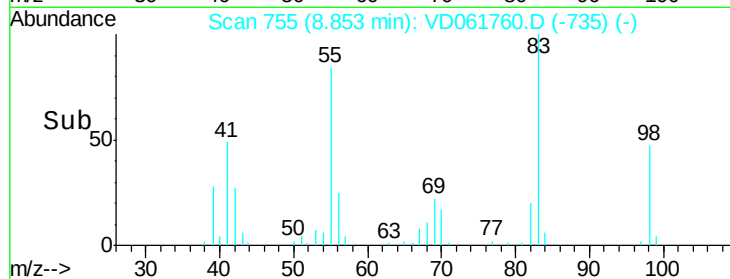
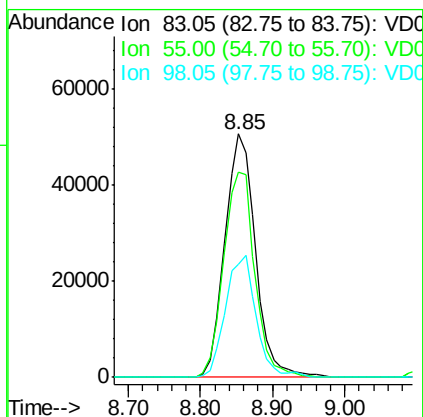
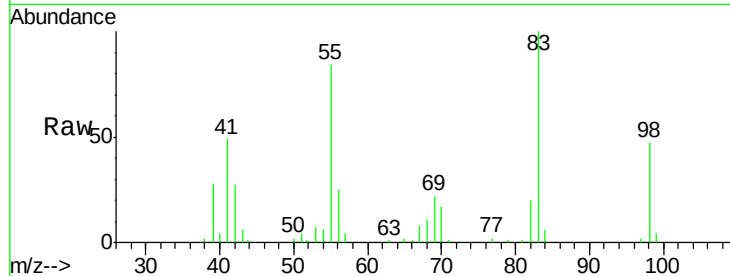




#39
Methylvlcyclohexane
Concen: 18.470 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

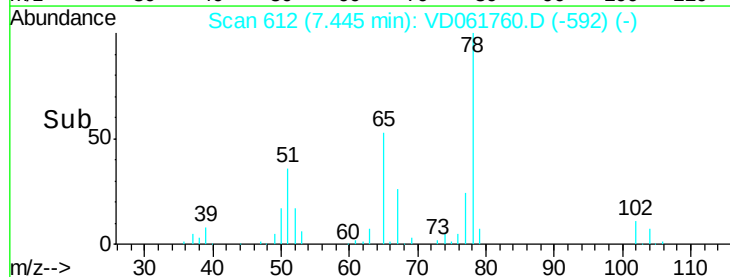
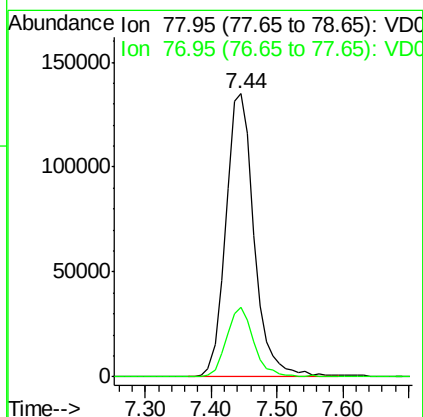
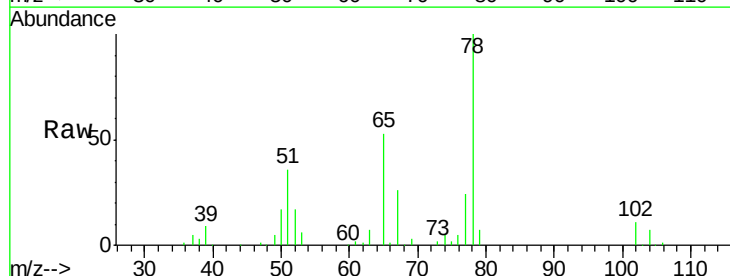
Instrument :
MSVOA_D
ClientSampleId :

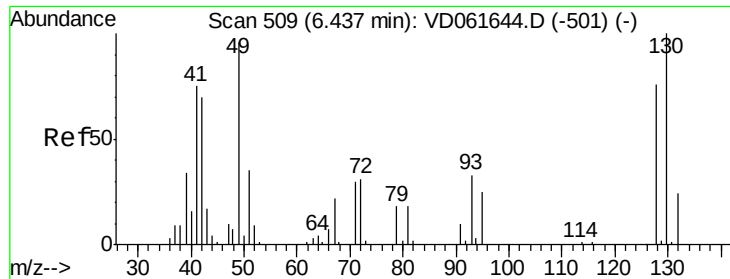
Tot Ion: 83 Resp: 149006
Ion Ratio Lower Upper
83 100
55 84.4 70.3 105.5
98 46.6 41.0 61.6



#40
Benzene
Concen: 21.490 ug/l
RT: 7.44 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 78 Resp: 407396
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

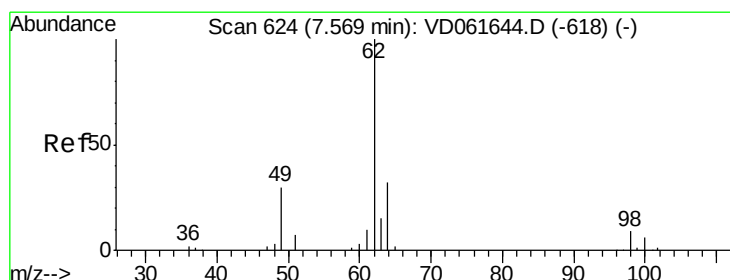
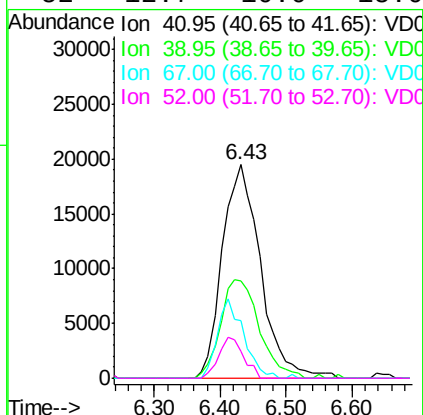
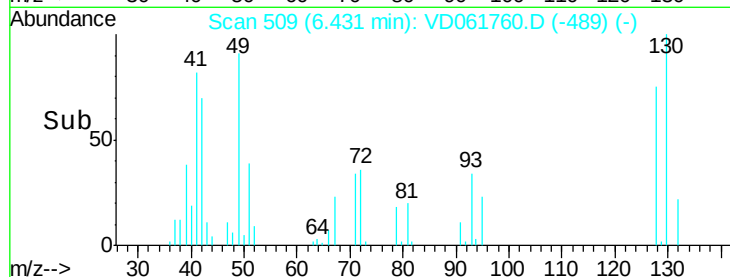
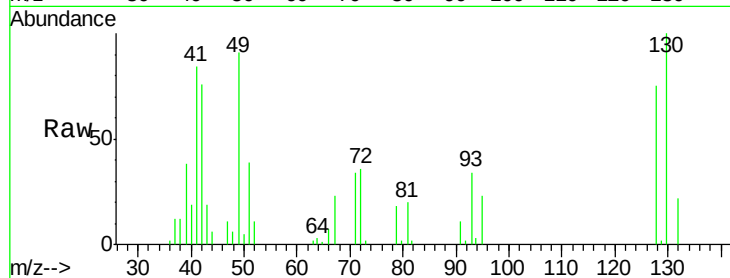




#41
Methacrylonitrile
Concen: 21.190 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

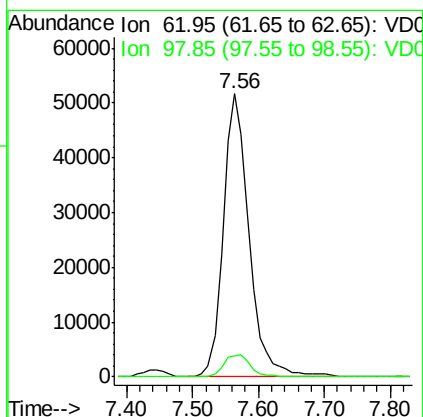
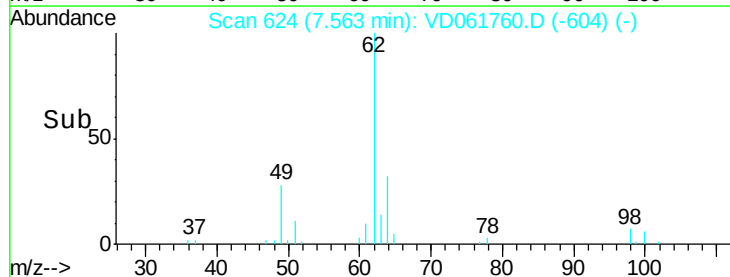
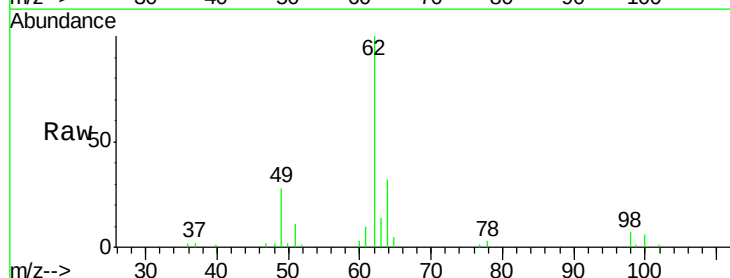
Instrument :
MSVOA_D
ClientSampleId :

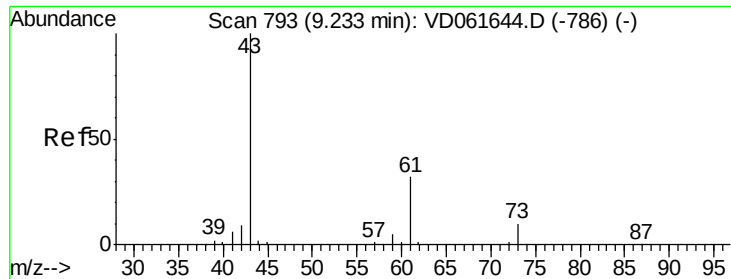
Tot Ion:	41	Resp:	79173
Ion	Ratio	Lower	Upper
41	100		
39	45.7	36.2	54.2
67	26.8	23.2	34.8
52	12.7	10.0	15.0



#42
1,2-Dichloroethane
Concen: 23.680 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:	62	Resp:	141180
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.511 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampled :

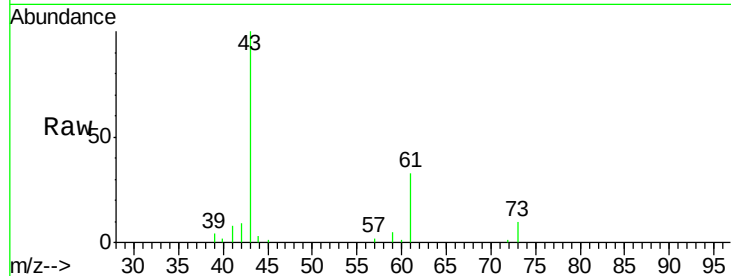
Tot Ion: 43 Resp: 95276

Ion Ratio Lower Upper

43 100

61 32.7 25.9 38.9

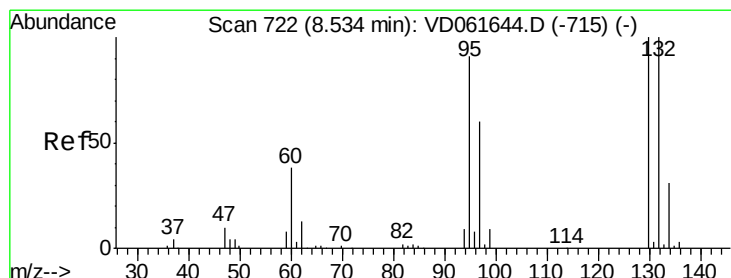
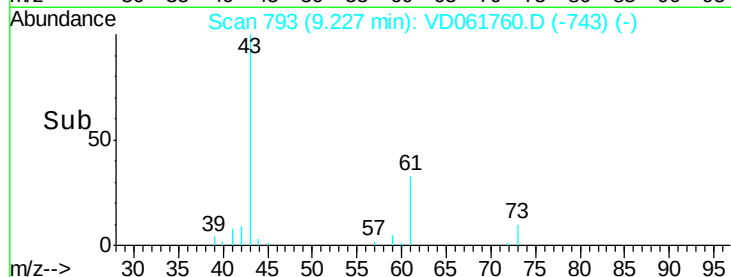
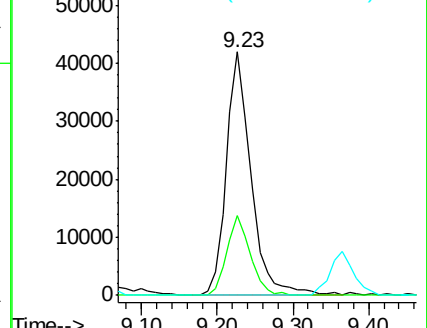
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.581 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061760.D

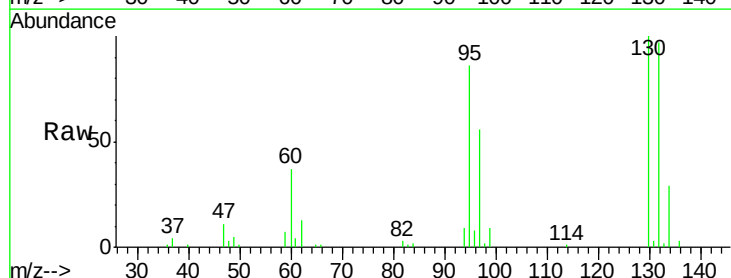
Acq: 12 Apr 2019 2:52

Tgt Ion:130 Resp: 135044

Ion Ratio Lower Upper

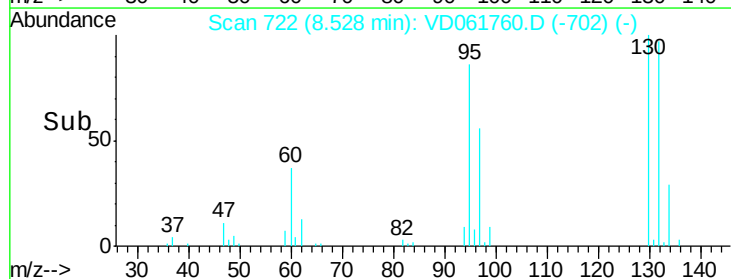
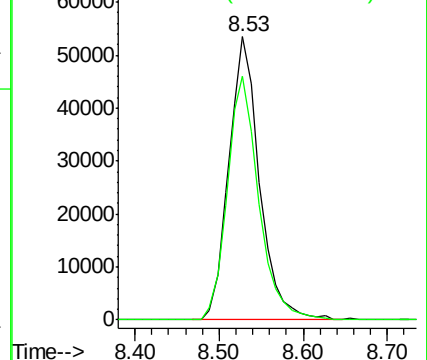
130 100

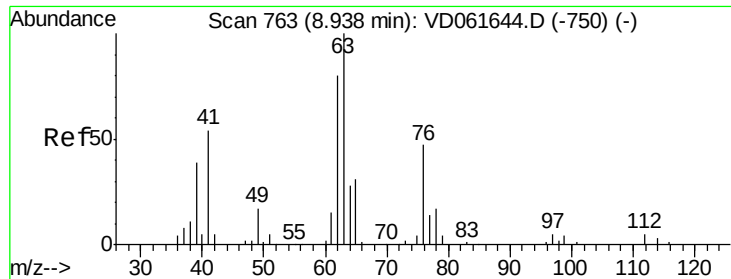
95 86.1 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

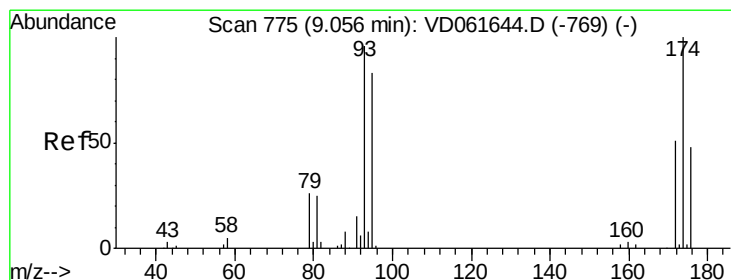
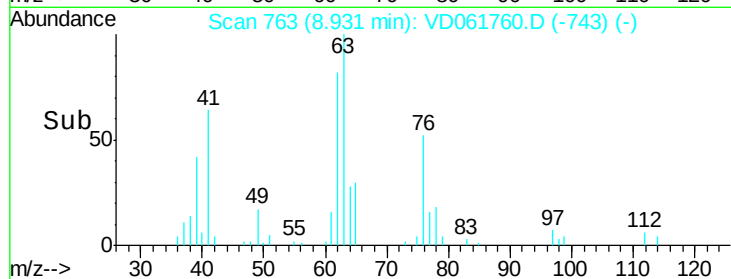
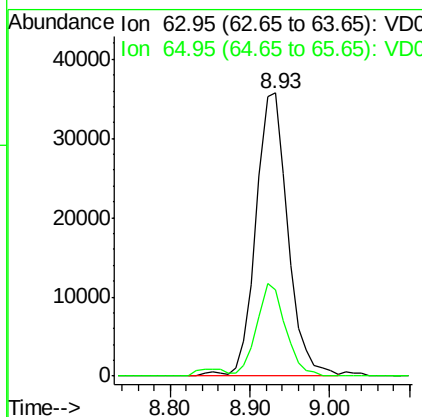
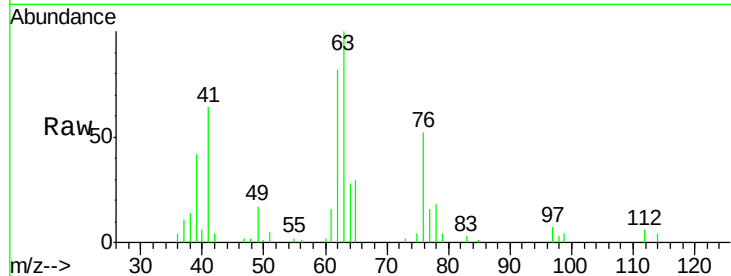




#45
 1,2-Dichloropropane
 Concen: 21.031 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

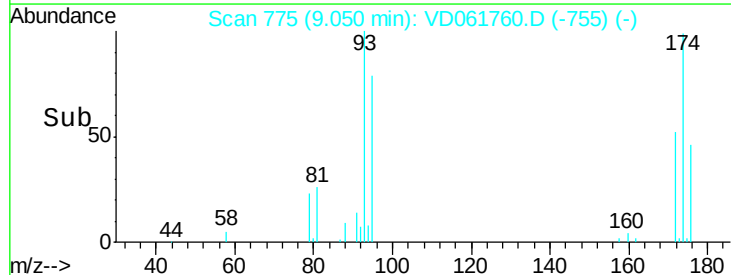
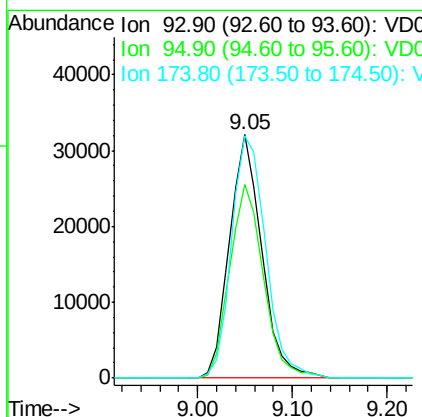
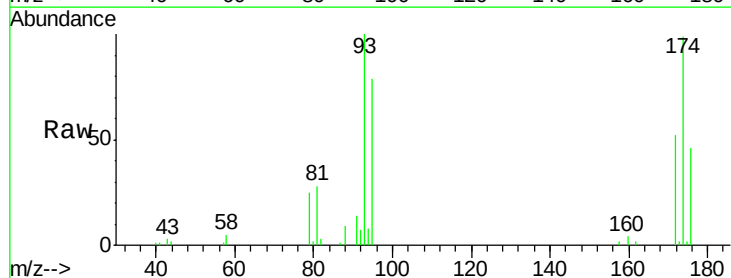
Instrument :
 MSVOA_D
 ClientSampled :

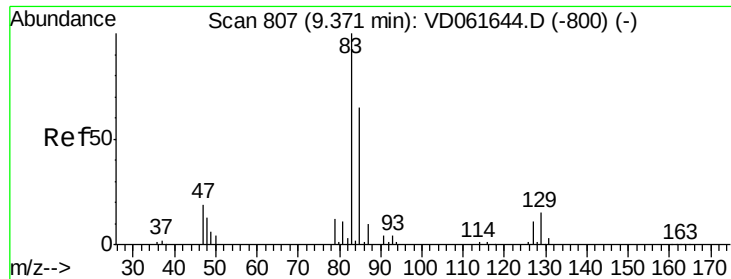
Tot Ion: 63 Resp: 98876
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.5 36.7



#46
 Dibromomethane
 Concen: 22.591 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 93 Resp: 75907
 Ion Ratio Lower Upper
 93 100
 95 79.5 68.6 103.0
 174 99.4 83.0 124.4





#47

Bromodichloromethane

Concen: 22.165 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampled :

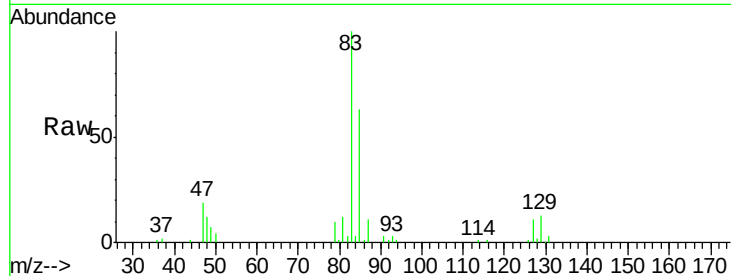
Tot Ion: 83 Resp: 163574

Ion Ratio Lower Upper

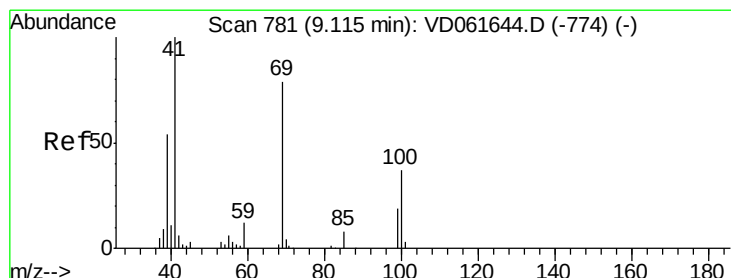
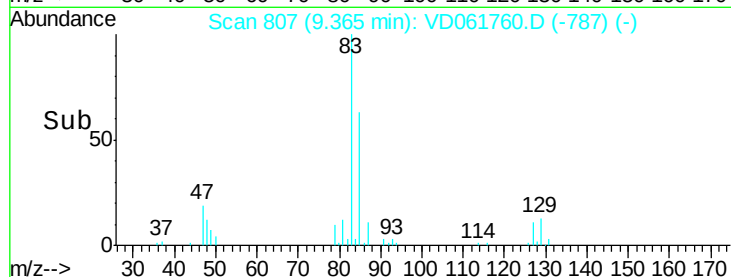
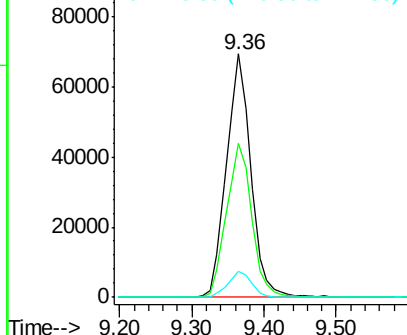
83 100

85 63.3 51.8 77.6

127 10.9 9.0 13.6



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): V



#48

Methyl methacrylate

Concen: 21.675 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

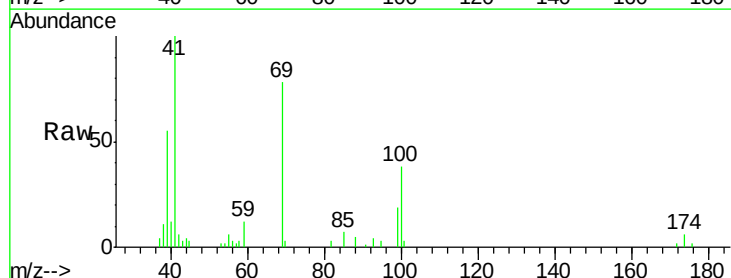
Tgt Ion: 41 Resp: 58039

Ion Ratio Lower Upper

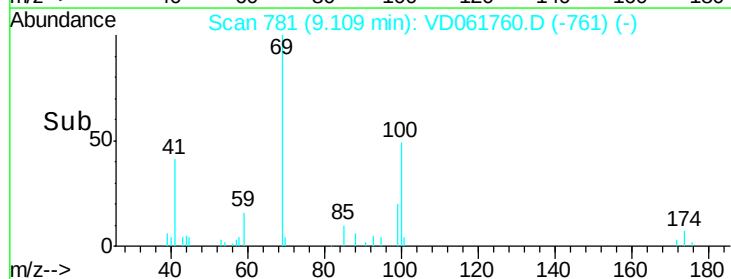
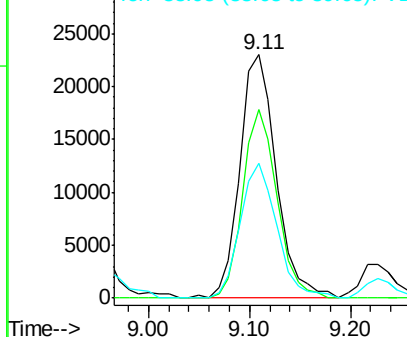
41 100

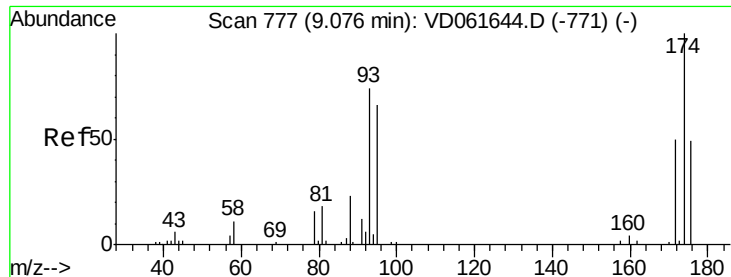
69 77.5 63.1 94.7

39 55.3 43.8 65.8



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

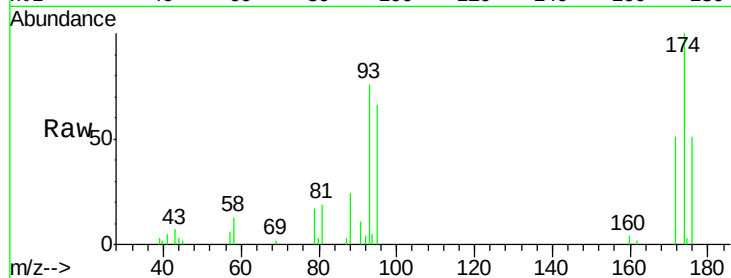




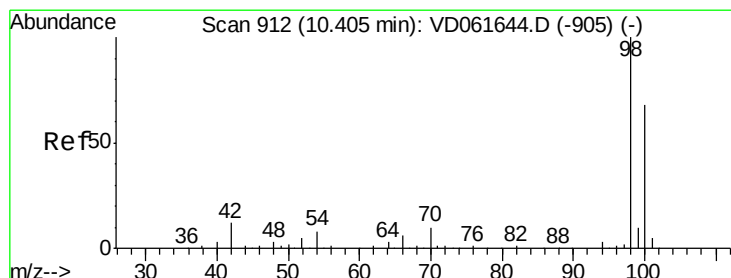
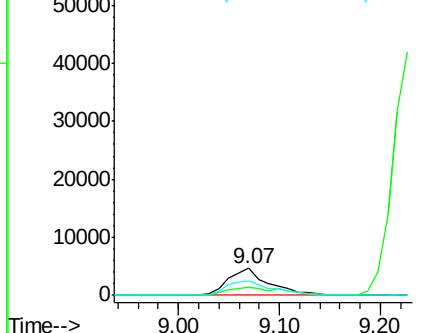
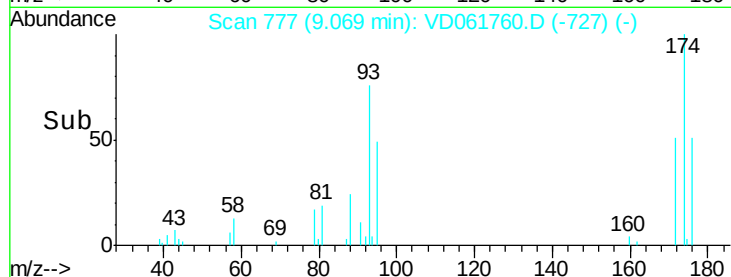
#49
 1,4-Dioxane
 Concen: 441.201 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 13040
 Ion Ratio Lower Upper
 88 100
 43 28.9 21.8 32.8
 58 52.5 40.2 60.2

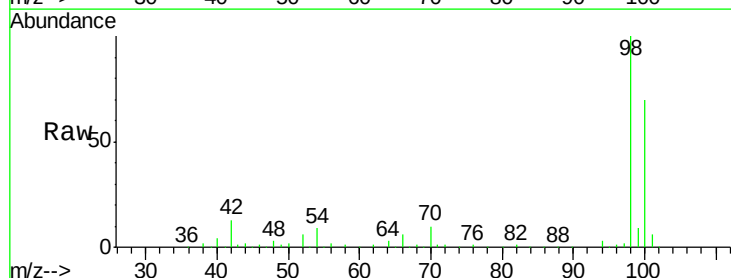


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

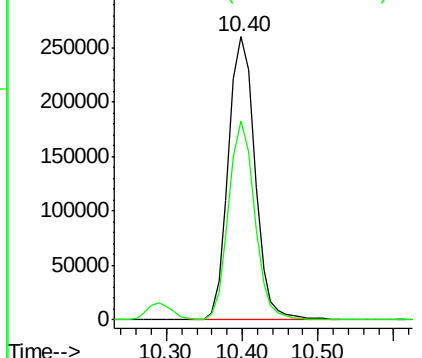
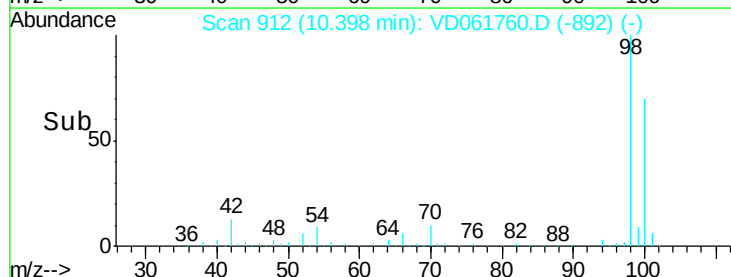


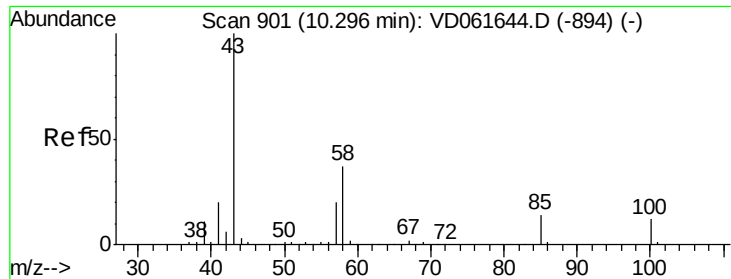
#50
 Toluene-d8
 Concen: 441.201 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 98 Resp: 634966
 Ion Ratio Lower Upper
 98 100
 100 70.5 55.4 83.0



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: 108.920 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

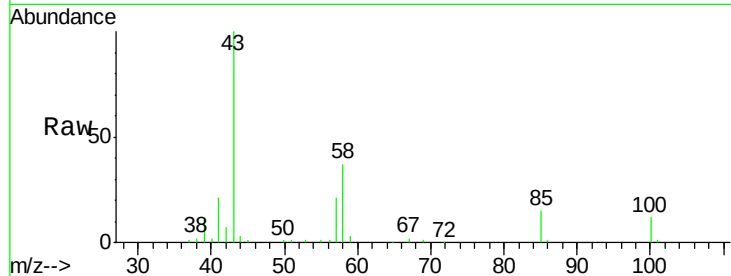
ClientSampleID :

Tot Ion: 43 Resp: 299220

Ion Ratio Lower Upper

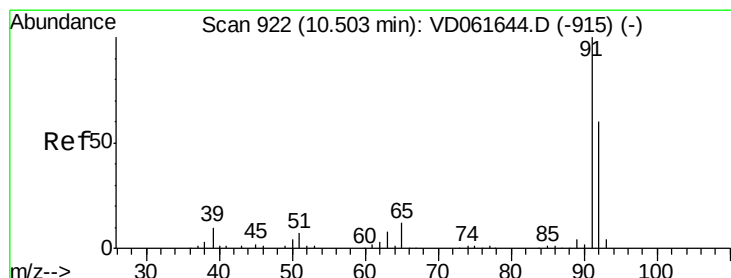
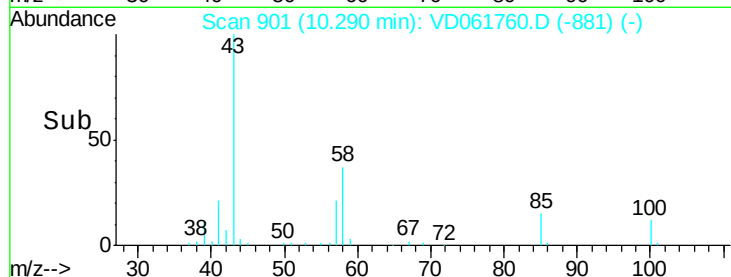
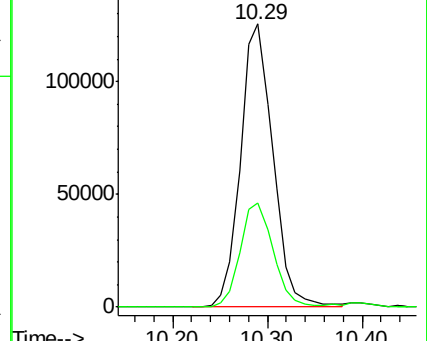
43 100

58 37.0 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.813 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061760.D

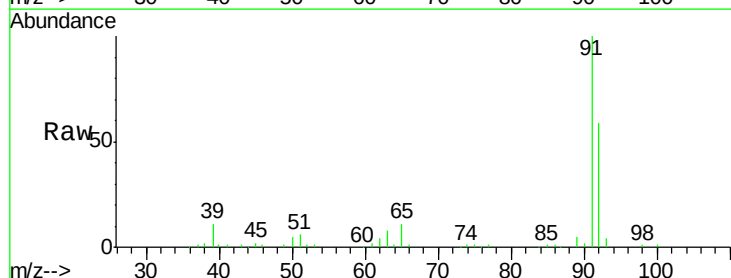
Acq: 12 Apr 2019 2:52

Tgt Ion: 92 Resp: 234542

Ion Ratio Lower Upper

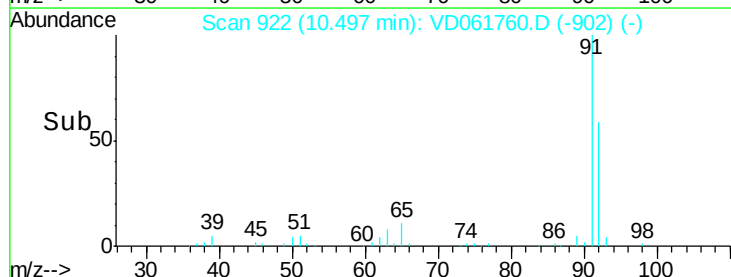
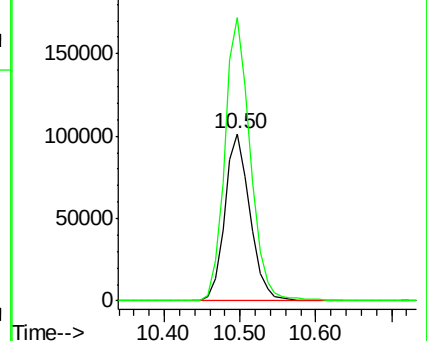
92 100

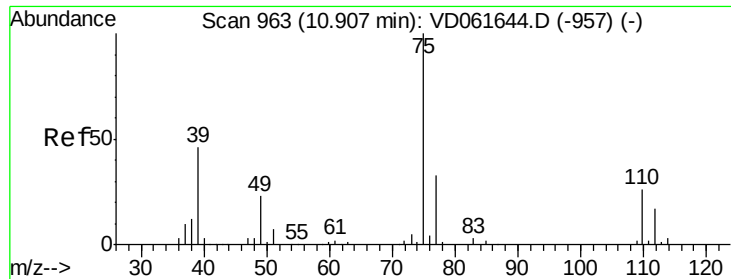
91 169.3 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

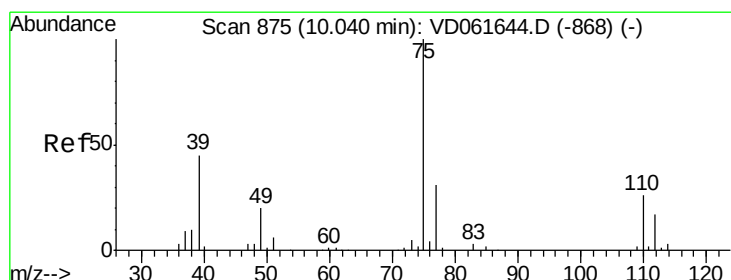
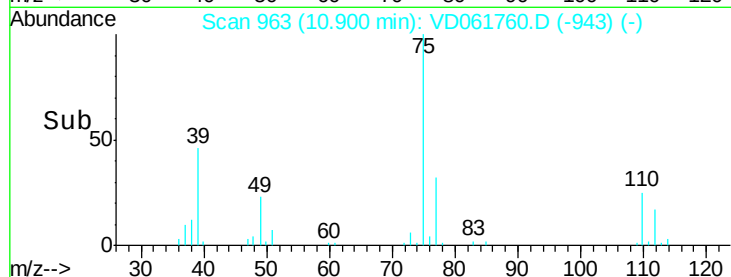
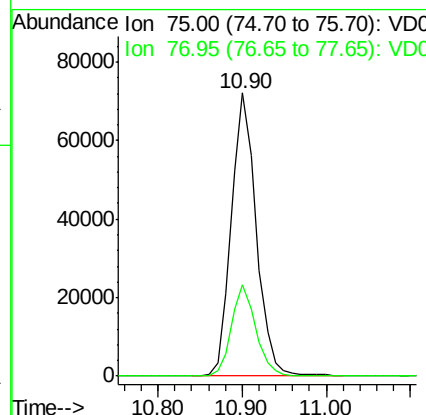
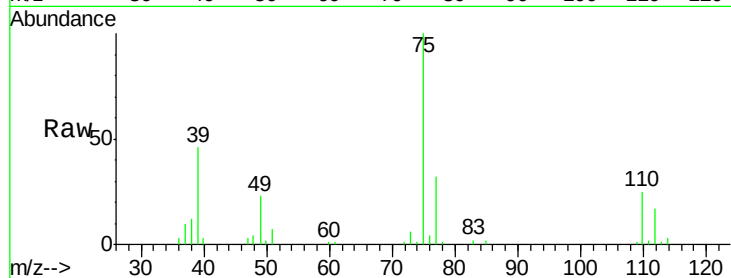




#53
t-1,3-Dichloropropene
Concen: 22.948 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

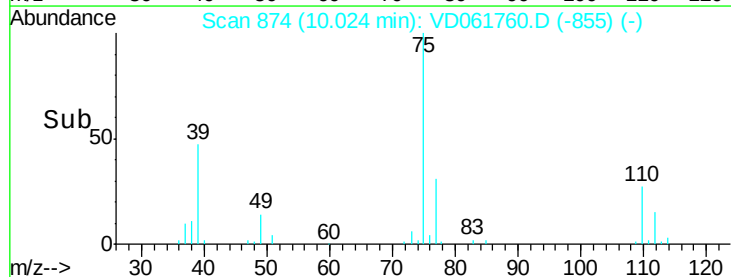
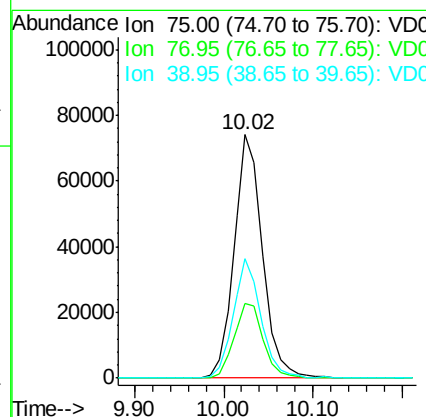
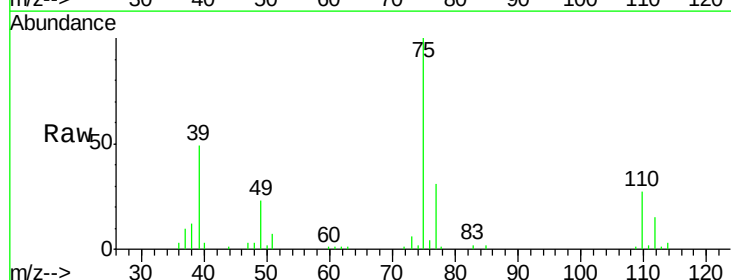
Instrument :
MSVOA_D
ClientSampleId :

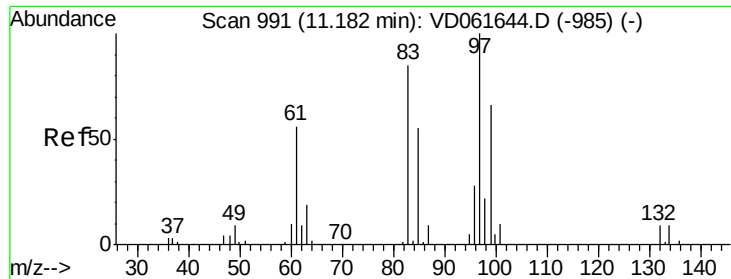
Tot Ion: 75 Resp: 148448
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 20.624 ug/l
RT: 10.02 min Scan# 874
Delta R.T. -0.02 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 75 Resp: 164463
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0
39 49.2 36.2 54.2

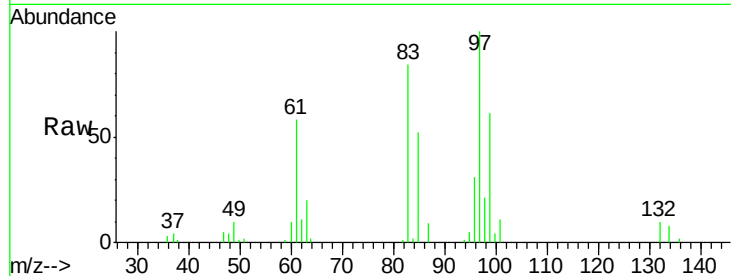




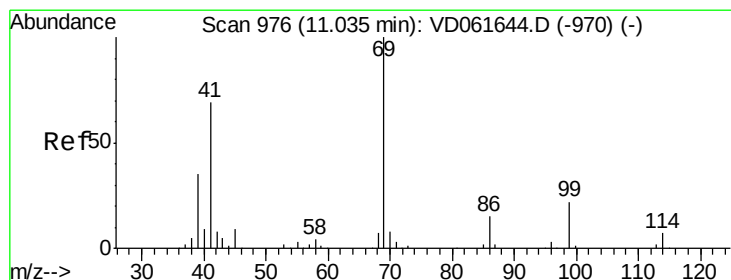
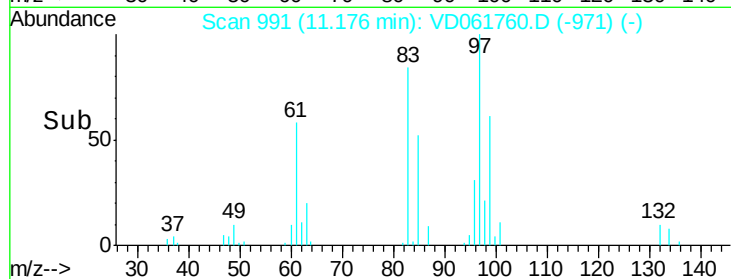
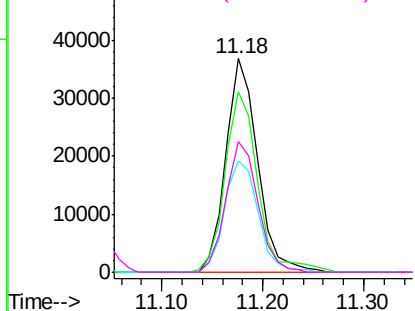
#55
 1,1,2-Trichloroethane
 Concen: 20.162 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	80499
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.8	101.6
85	52.4	43.8	65.8
99	61.2	52.8	79.2

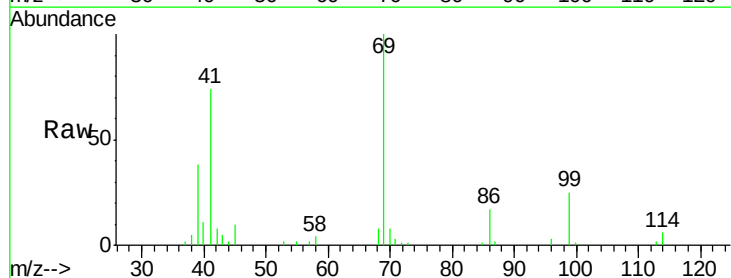


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

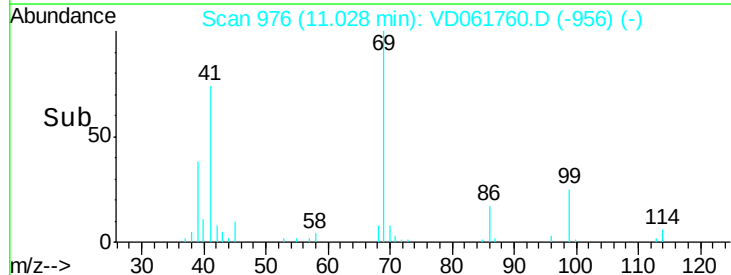
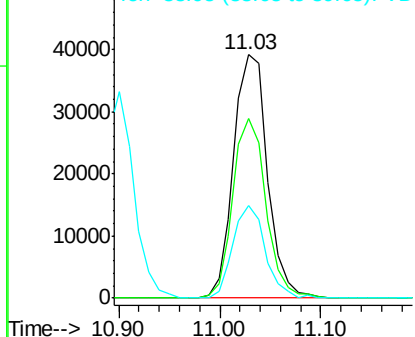


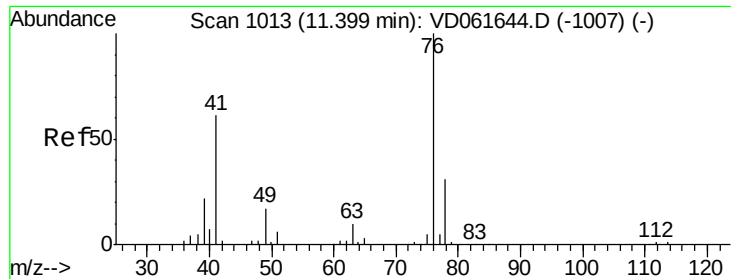
#56
 Ethyl methacrylate
 Concen: 21.753 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:	69	Resp:	91622
Ion	Ratio	Lower	Upper
69	100		
41	73.6	55.2	82.8
39	37.8	28.6	43.0



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

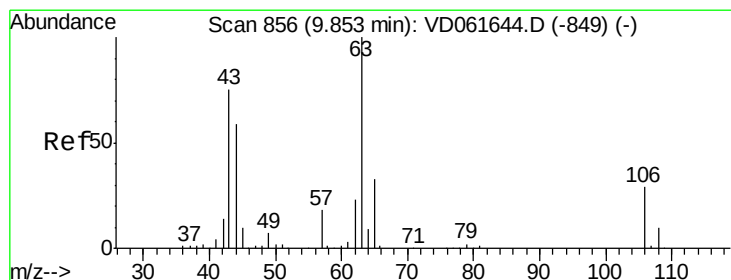
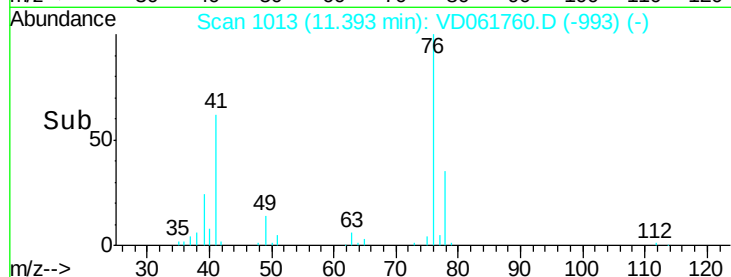
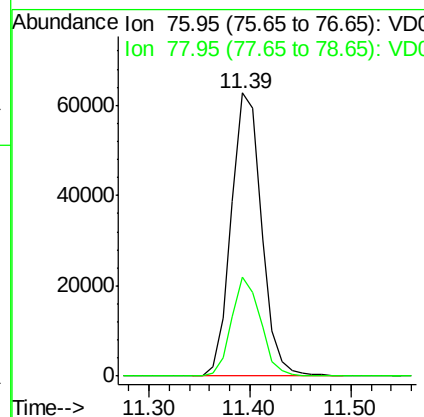
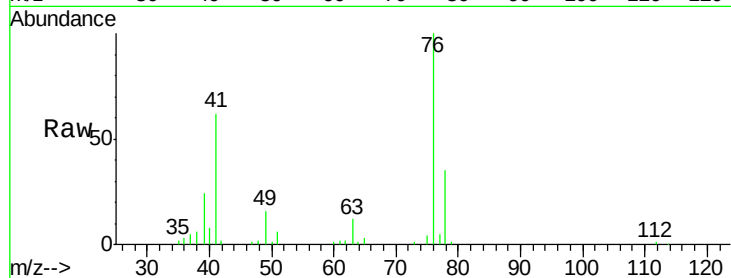




#57
 1,3-Dichloropropane
 Concen: 22.448 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

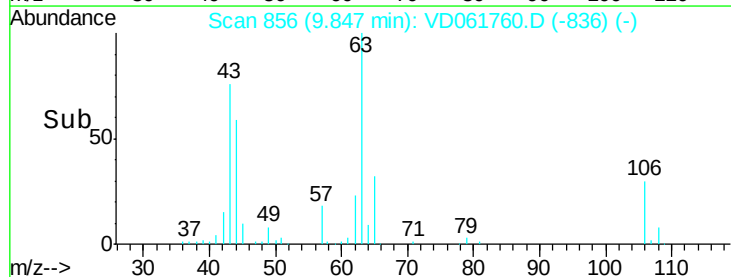
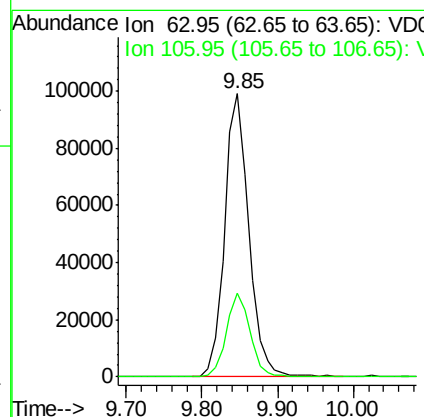
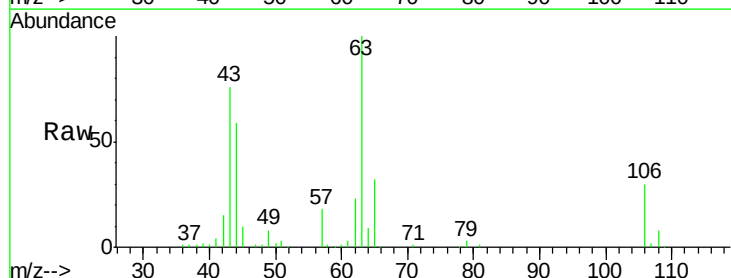
Instrument :
 MSVOA_D
 ClientSampled :

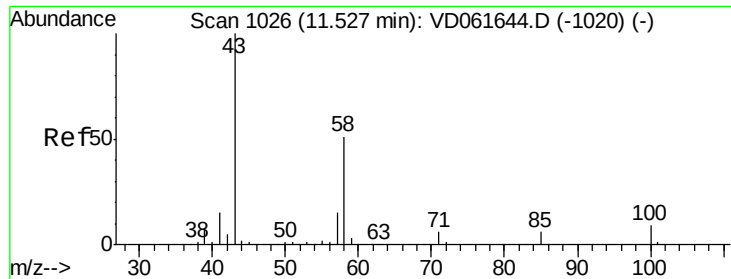
Tot Ion: 76 Resp: 131251
 Ion Ratio Lower Upper
 76 100
 78 35.1 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.542 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 63 Resp: 219688
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.0 34.6

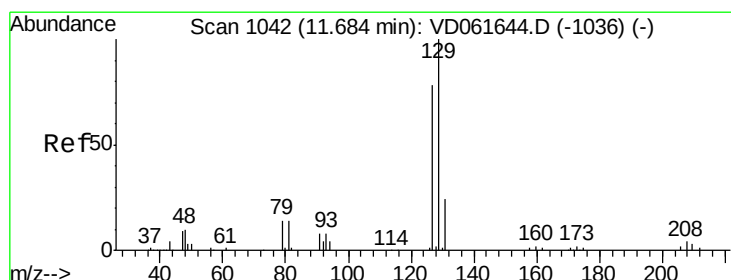
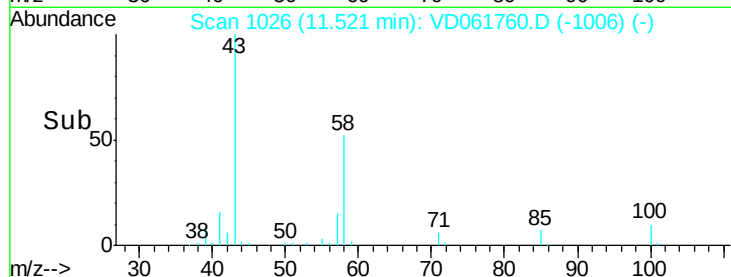
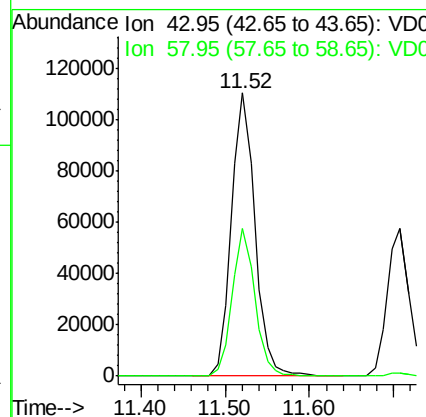
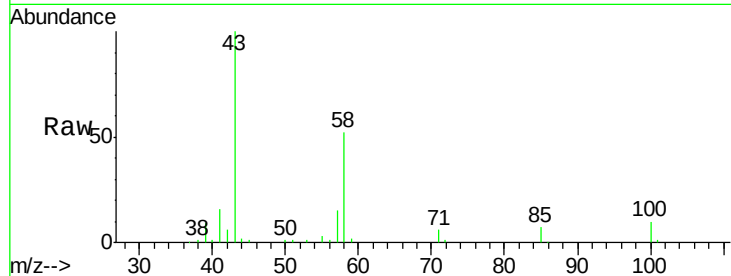




#59
2-Hexanone
Concen: 100.595 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

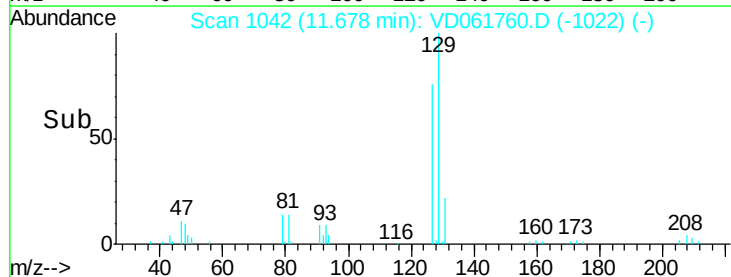
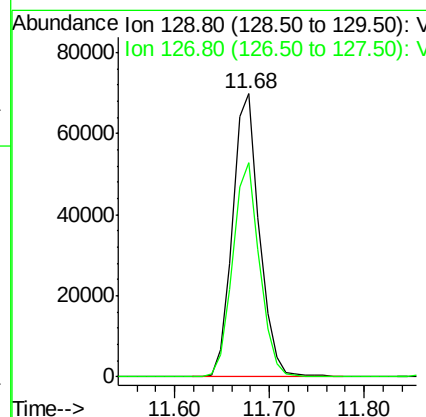
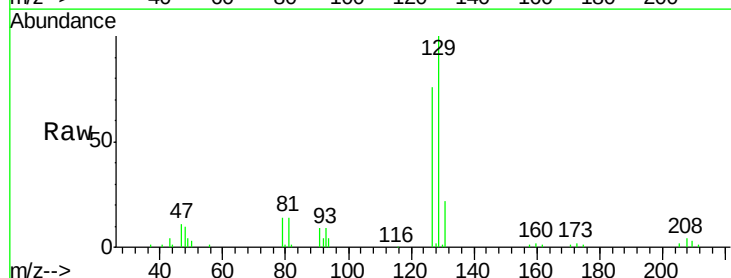
Instrument :
MSVOA_D
ClientSampled :

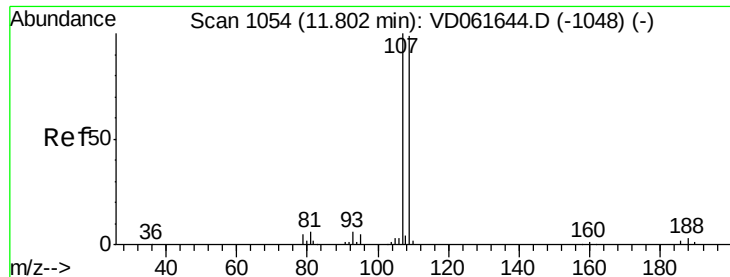
Tot Ion: 43 Resp: 214470
Ion Ratio Lower Upper
43 100
58 52.1 25.6 76.8



#60
Dibromochloromethane
Concen: 21.783 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:129 Resp: 137405
Ion Ratio Lower Upper
129 100
127 75.9 38.8 116.4

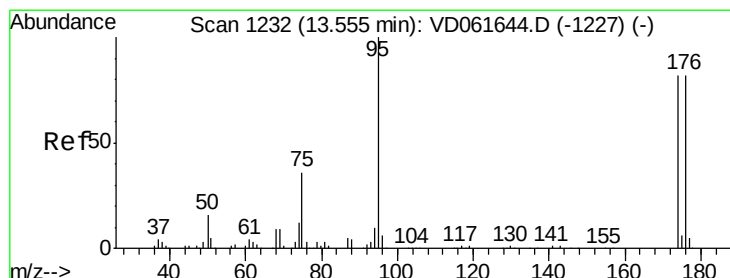
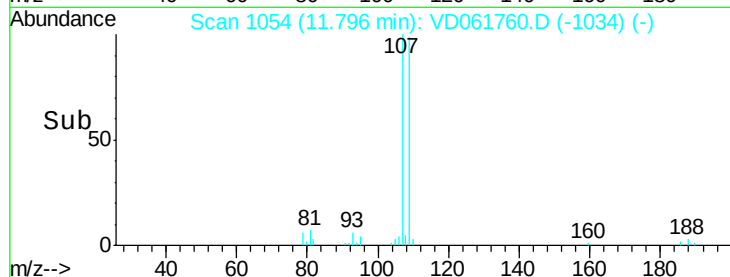
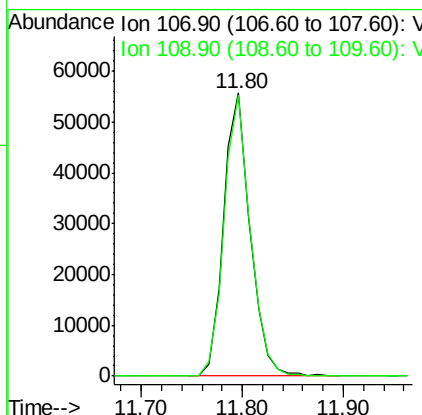
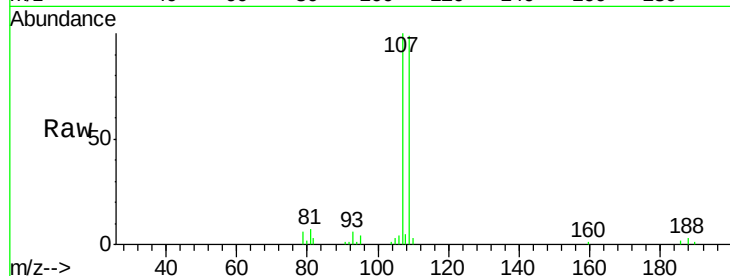




#61
 1,2-Dibromoethane
 Concen: 21.733 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

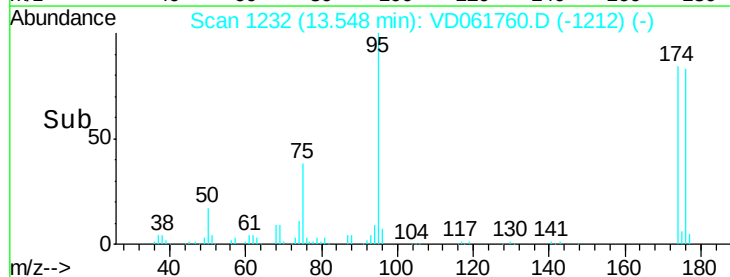
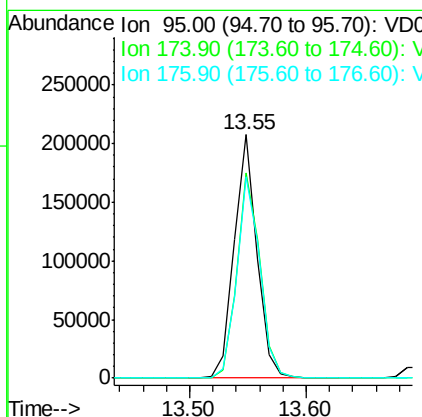
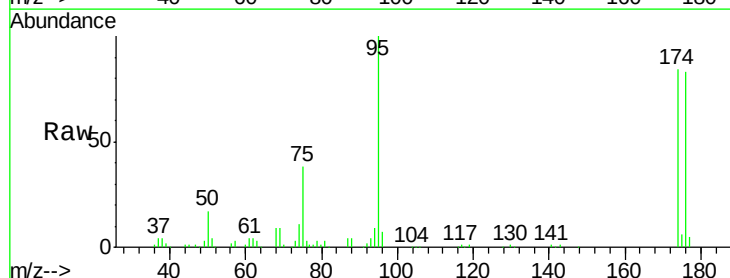
Instrument :
 MSVOA_D
 ClientSampleId :

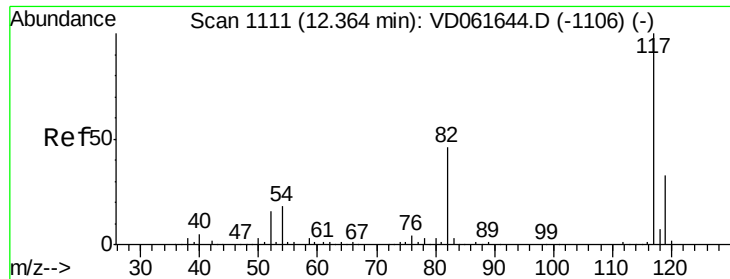
Tot Ion: 107 Resp: 101475
 Ion Ratio Lower Upper
 107 100
 109 99.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.733 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 95 Resp: 278638
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 164.6
 176 82.9 0.0 165.0

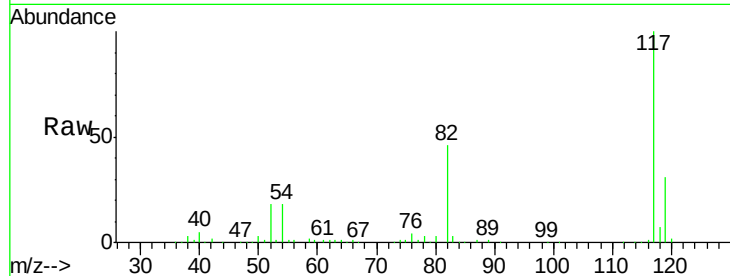




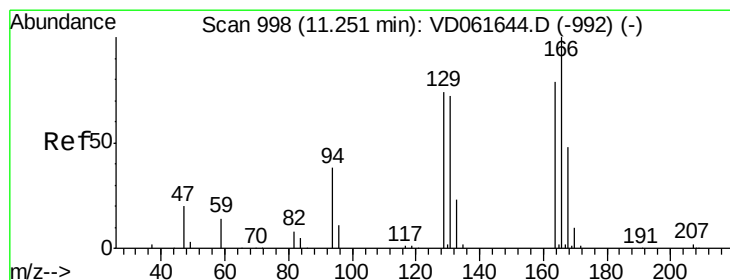
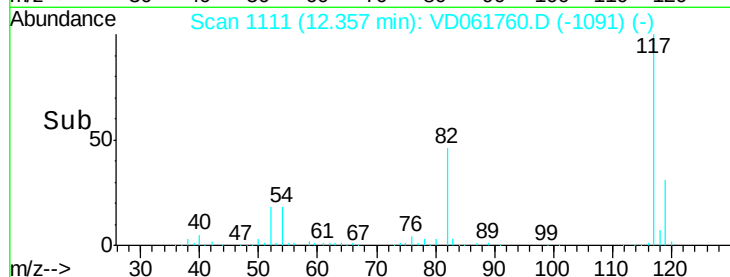
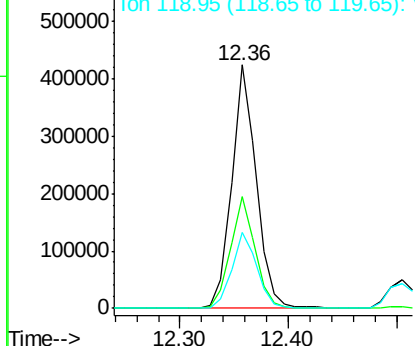
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 669939
Ion Ratio Lower Upper
117 100
82 46.1 36.8 55.2
119 31.3 26.1 39.1

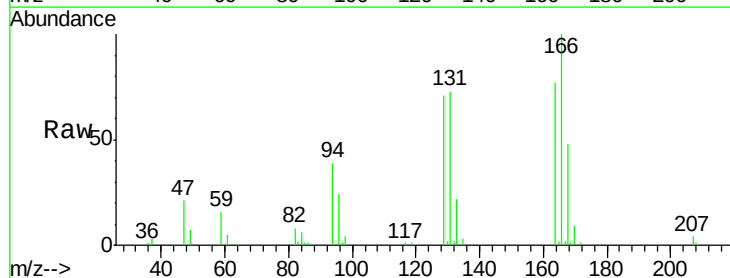


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

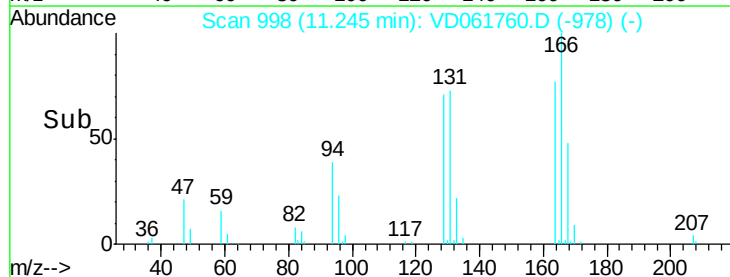
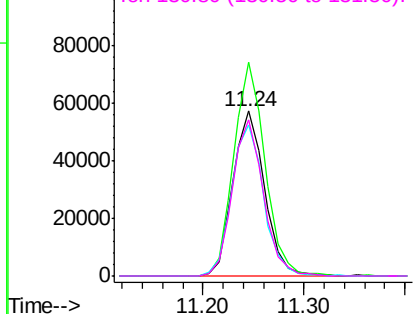


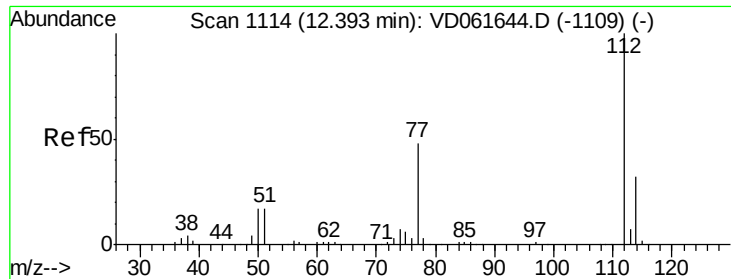
#64
Tetrachloroethene
Concen: 23.985 ug/l
RT: 11.24 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:164 Resp: 124728
Ion Ratio Lower Upper
164 100
166 129.7 101.8 152.8
129 92.0 75.4 113.0
131 94.5 73.6 110.4



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

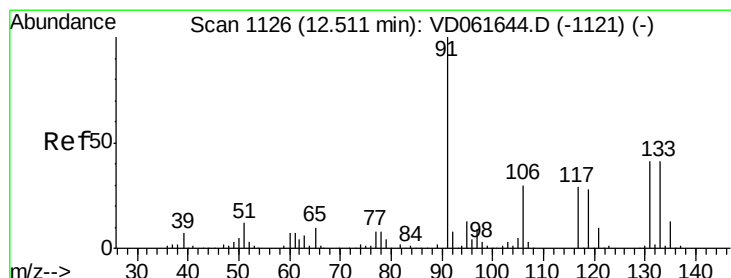
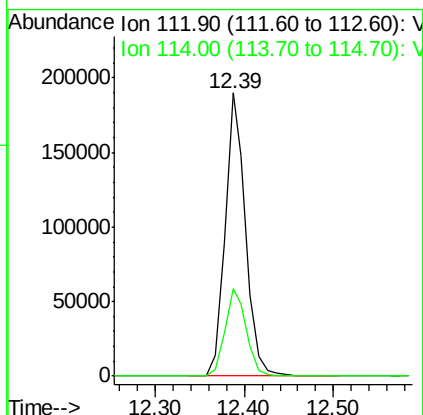
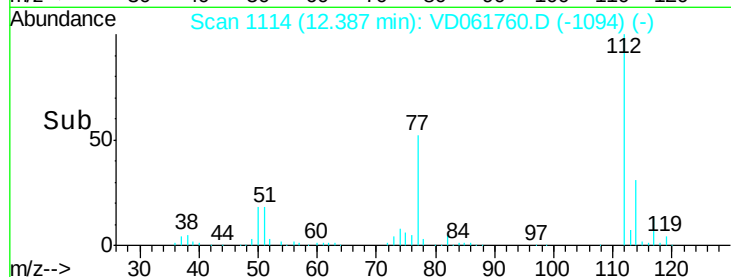
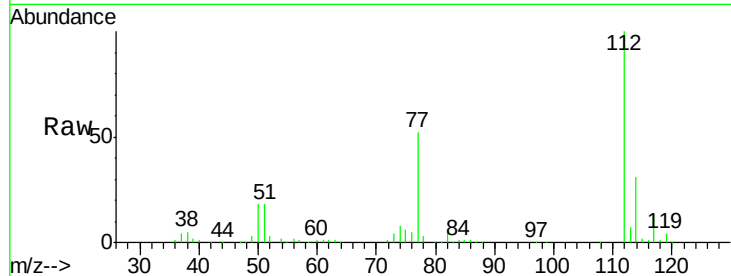




#65
Chlorobenzene
Concen: 22.982 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

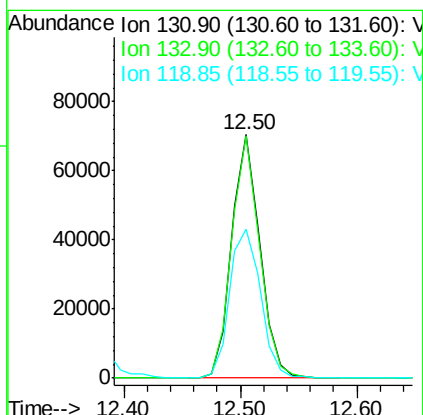
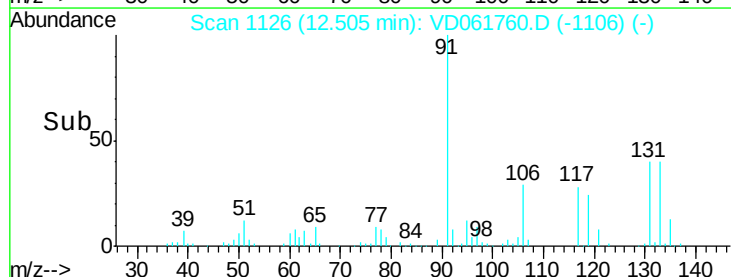
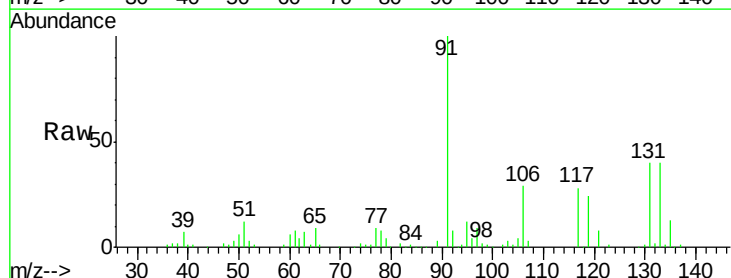
Instrument :
MSVOA_D
ClientSampled :

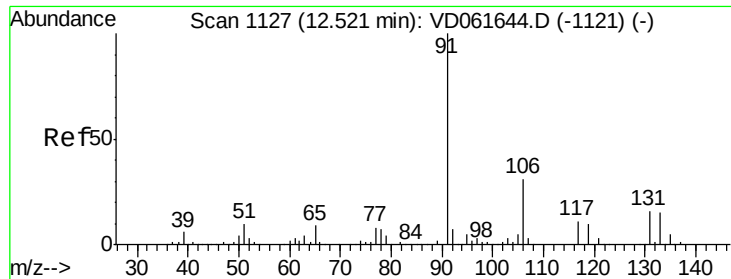
Tot Ion:112 Resp: 305331
Ion Ratio Lower Upper
112 100
114 30.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.208 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:131 Resp: 118646
Ion Ratio Lower Upper
131 100
133 99.6 49.5 148.3
119 61.1 34.7 104.1

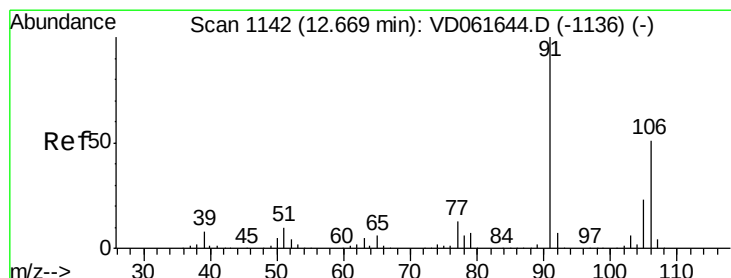
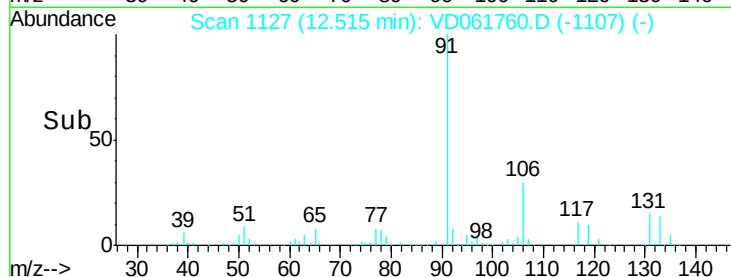
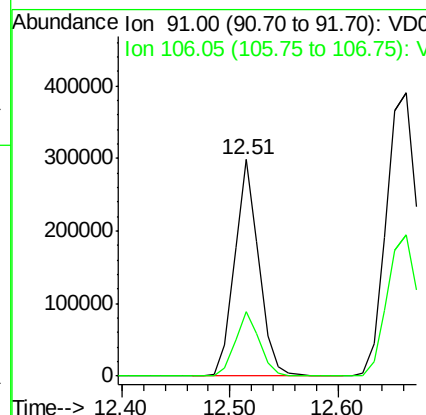
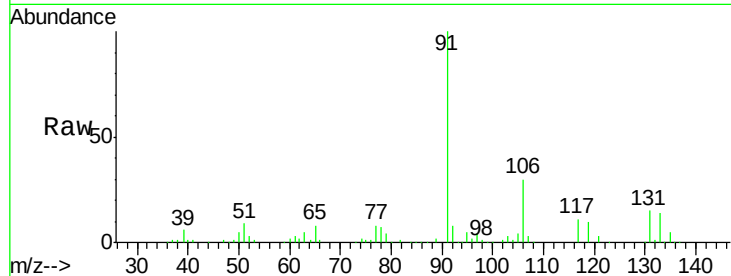




#67
Ethyl Benzene
Concen: 22.822 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

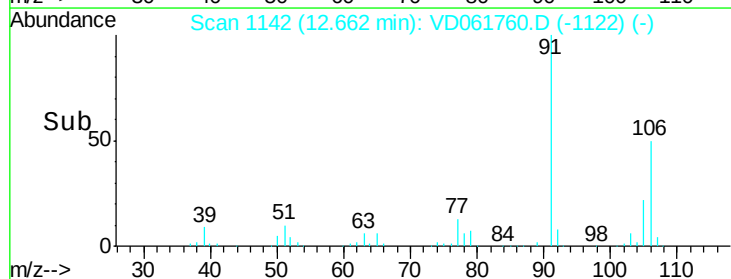
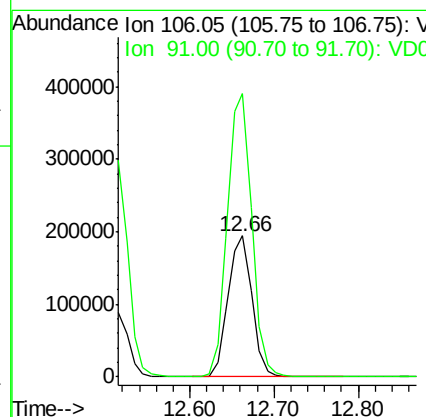
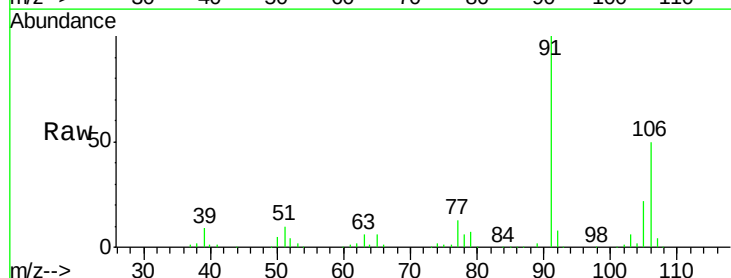
Instrument :
MSVOA_D
ClientSampleId :

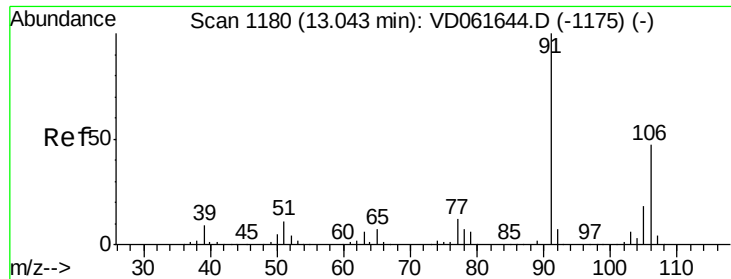
Tot Ion: 91 Resp: 461711
Ion Ratio Lower Upper
91 100
106 29.6 24.6 37.0



#68
m/p-Xylenes
Concen: 49.049 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 106 Resp: 382564
Ion Ratio Lower Upper
106 100
91 200.9 156.7 235.1

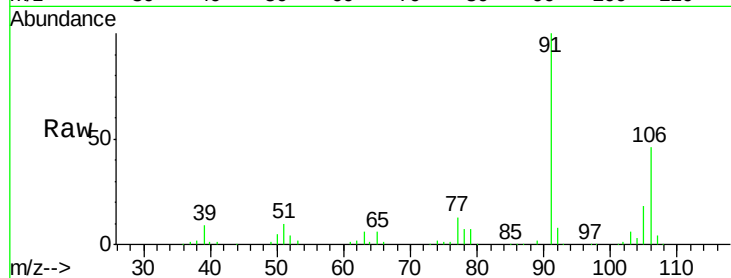




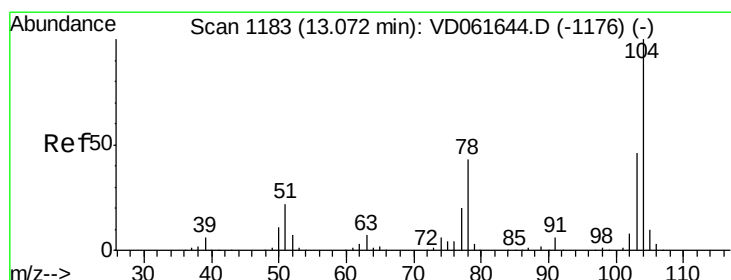
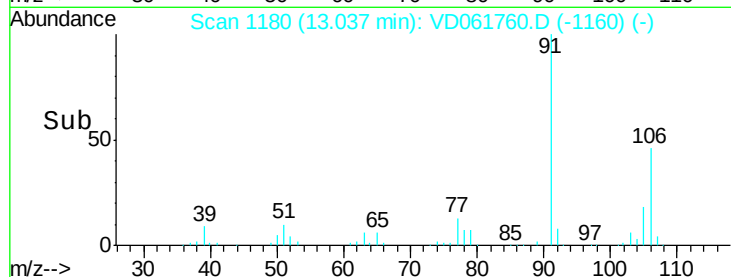
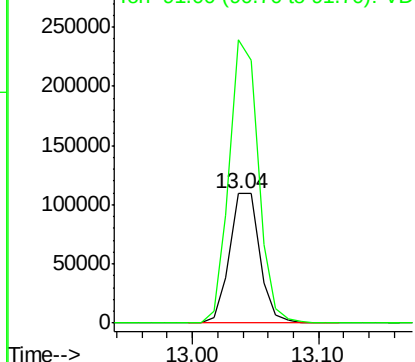
#69
o-Xylene
Concen: 23.949 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 180314
Ion Ratio Lower Upper
106 100
91 219.1 107.3 321.9

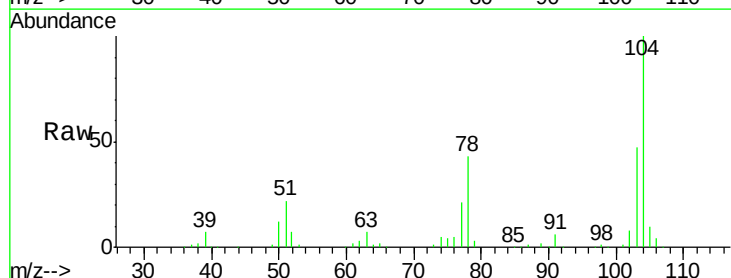


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

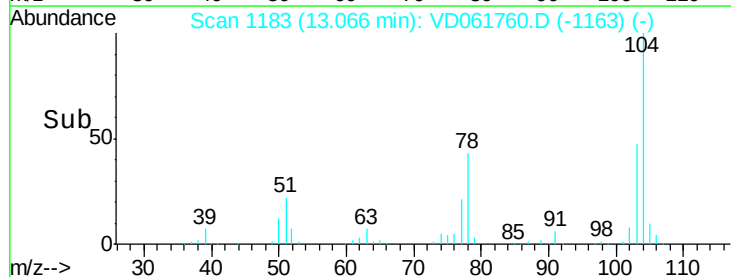
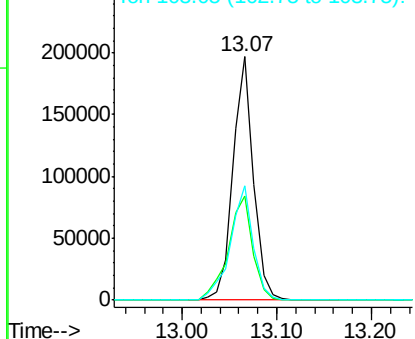


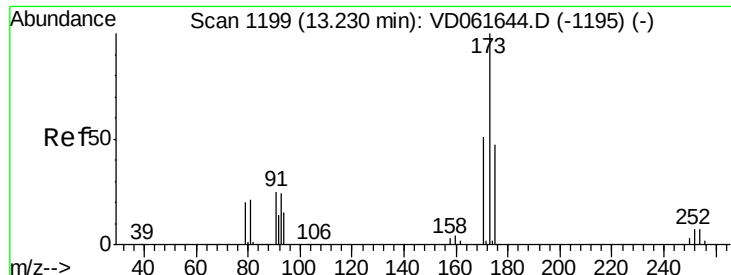
#70
Styrene
Concen: 22.837 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:104 Resp: 293633
Ion Ratio Lower Upper
104 100
78 42.9 34.2 51.4
103 47.2 37.2 55.8



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

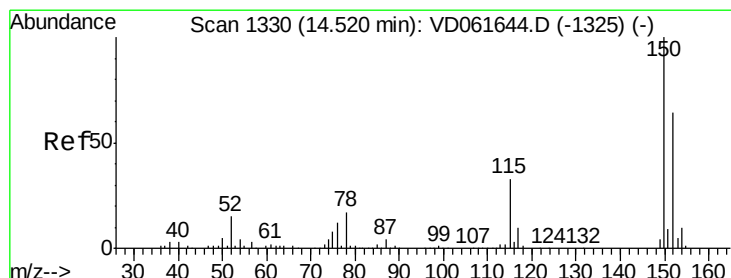
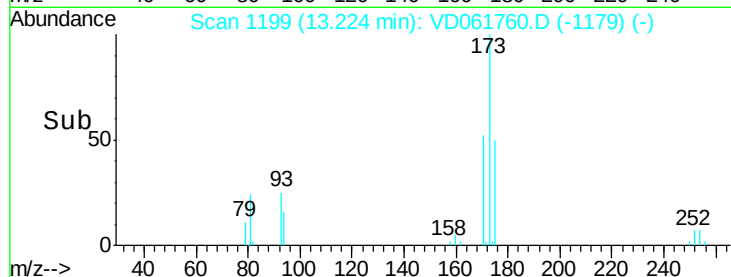
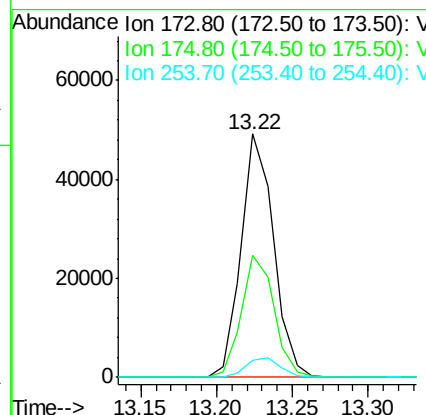
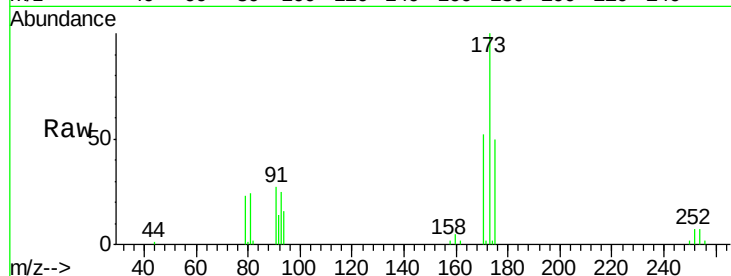




#71
Bromoform
Concen: 23.108 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

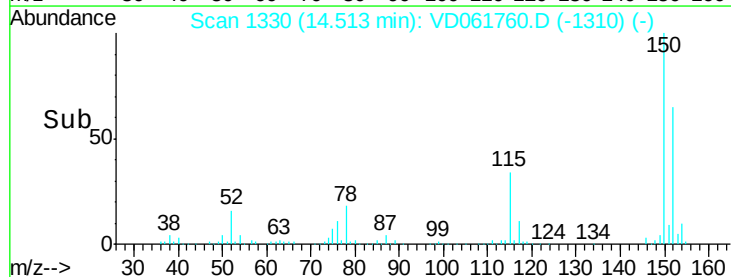
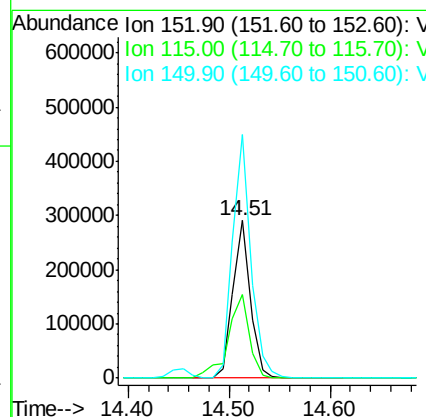
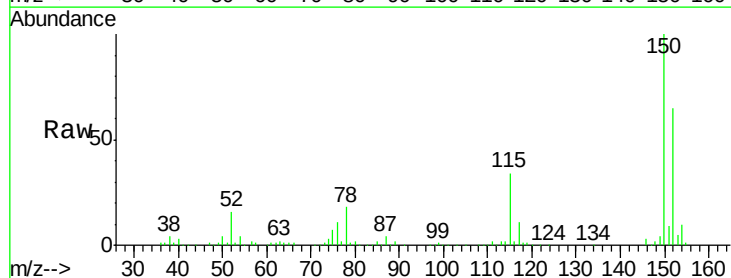
Instrument :
MSVOA_D
ClientSampleId :

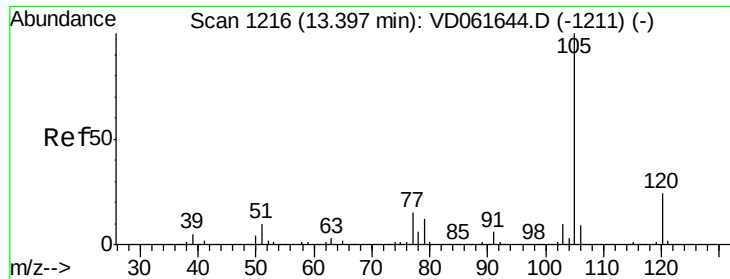
Tot Ion:173 Resp: 73298
Ion Ratio Lower Upper
173 100
175 50.2 23.7 71.1
254 6.9 5.8 8.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion:152 Resp: 347971
Ion Ratio Lower Upper
152 100
115 52.9 26.4 79.2
150 154.6 0.0 320.6





#73

Isopropylbenzene

Concen: 19.248 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

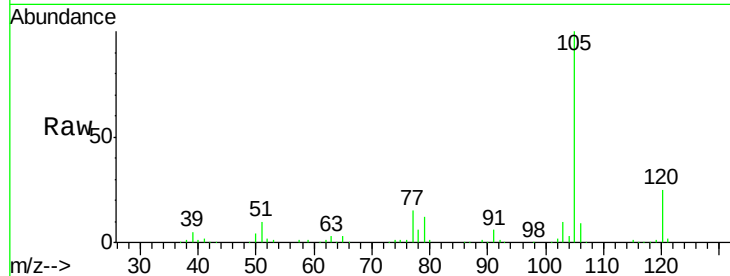
ClientSampleId :

Tot Ion:105 Resp: 446275

Ion Ratio Lower Upper

105 100

120 24.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

300000

250000

200000

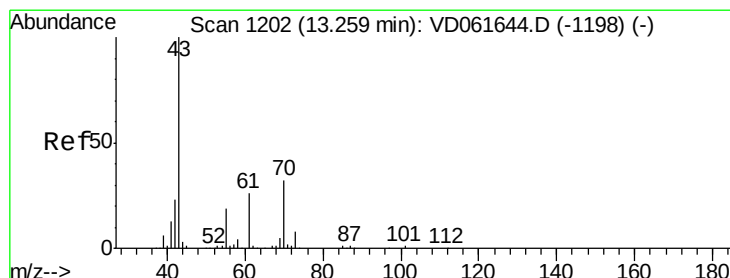
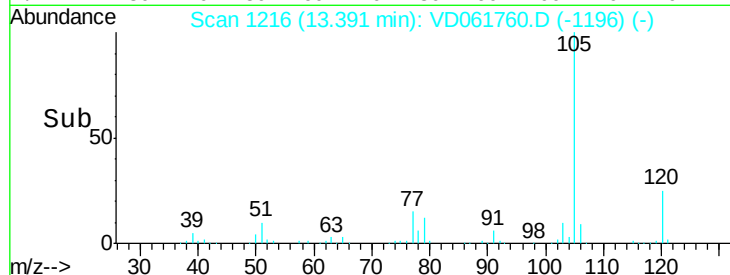
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.341 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Tgt Ion: 43 Resp: 115539

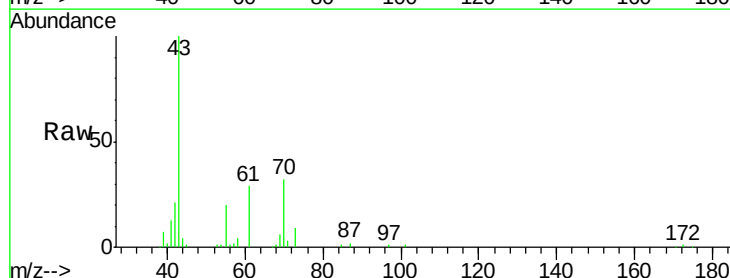
Ion Ratio Lower Upper

43 100

70 32.2 25.4 38.2

55 19.9 15.0 22.4

61 28.5 20.9 31.3



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

120000

100000

80000

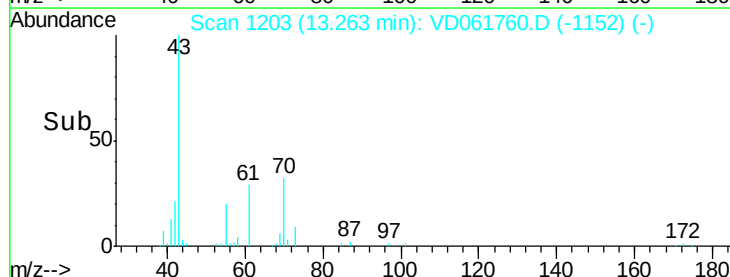
60000

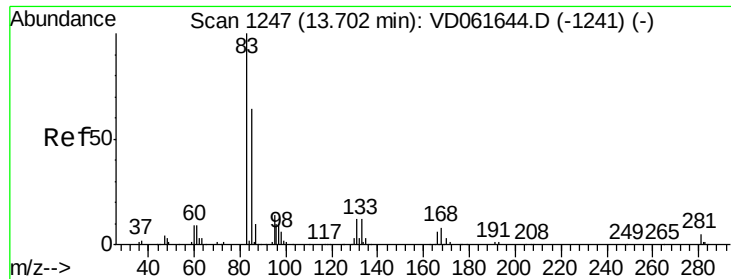
40000

20000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.119 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

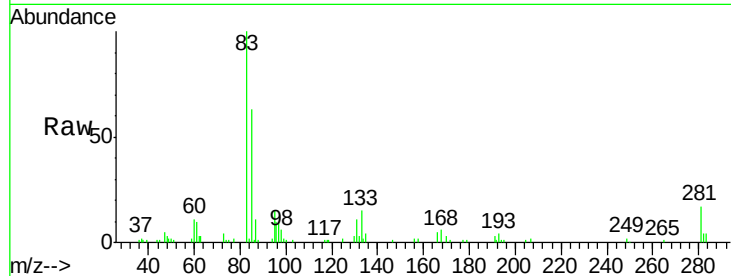
Tot Ion: 83 Resp: 91658

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	63.1	32.0	96.2

83 100

131 11.4 5.9 17.6

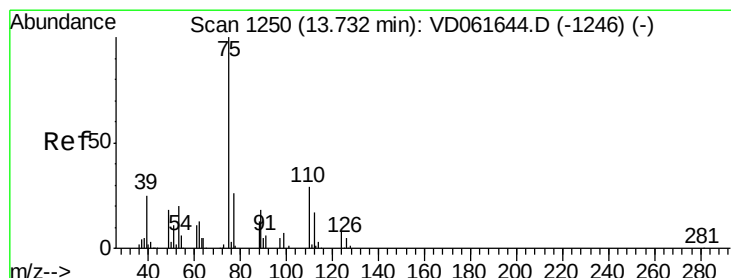
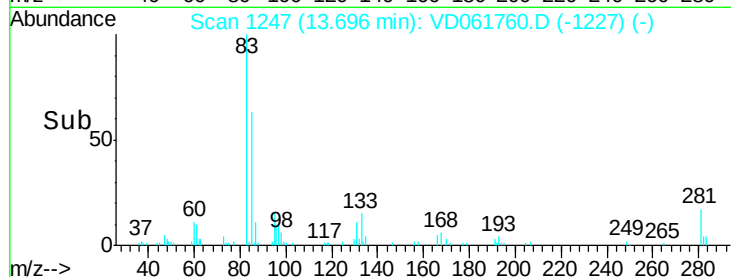
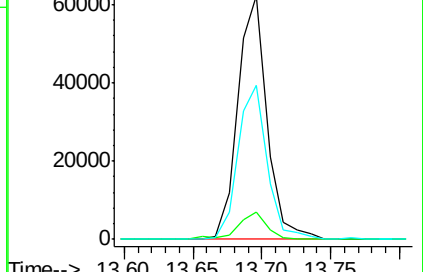
85 63.1 32.0 96.2



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: 19.129 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061760.D

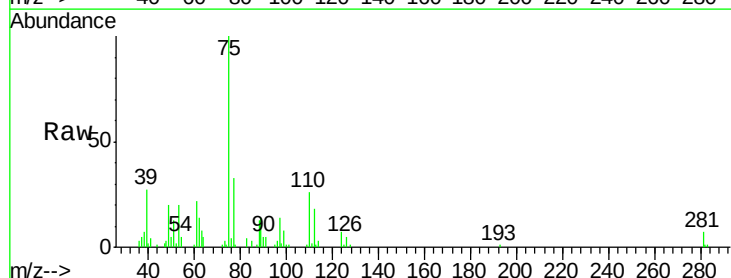
Acq: 12 Apr 2019 2:52

Tgt Ion: 75 Resp: 90561

Ion	Ratio	Lower	Upper
75	100		
77	33.3	15.7	47.1

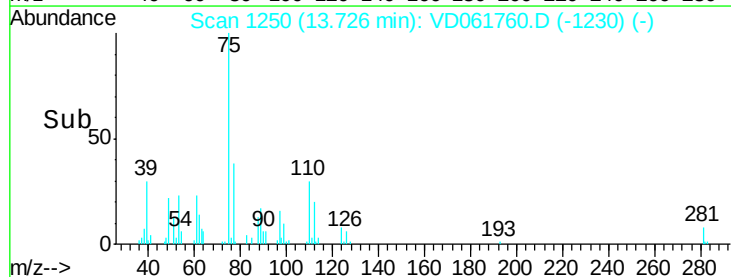
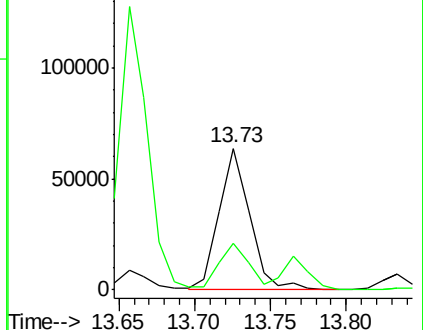
75 100

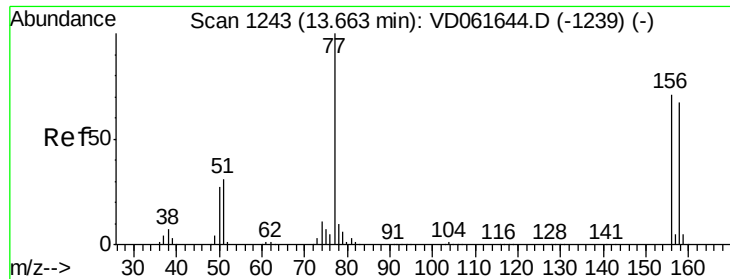
77 33.3 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.116 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

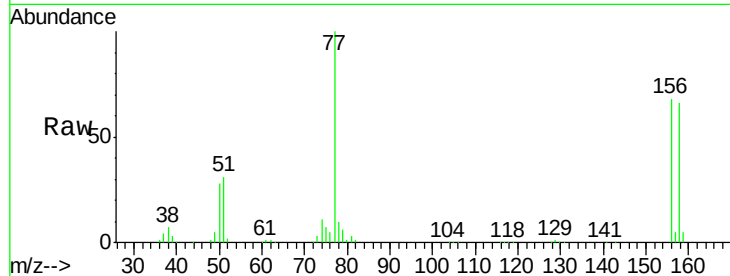
Tot Ion:156 Resp: 135379

Ion Ratio Lower Upper

156 100

77 146.7 70.3 210.8

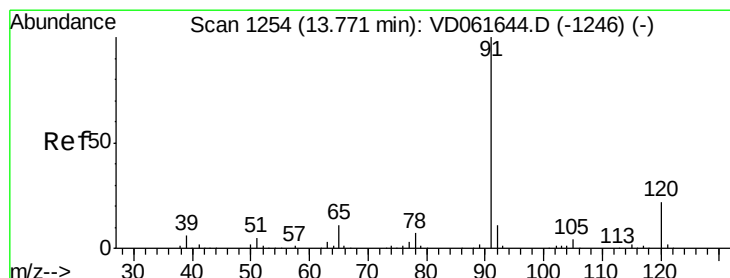
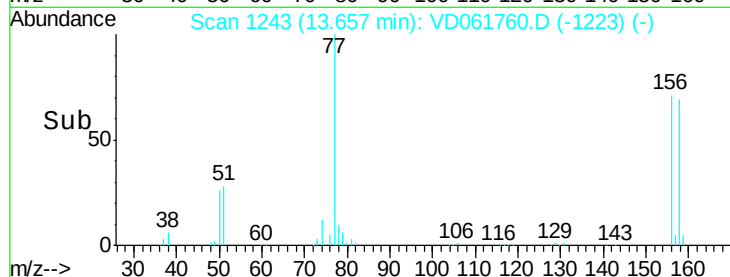
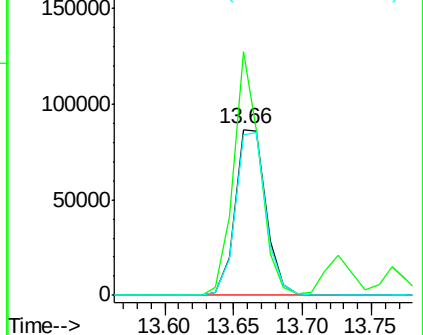
158 96.5 47.4 142.2



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: 18.552 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061760.D

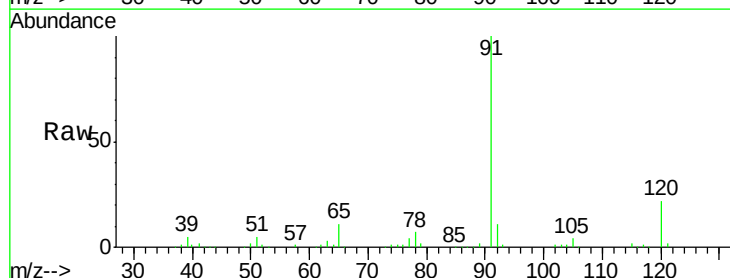
Acq: 12 Apr 2019 2:52

Tgt Ion: 91 Resp: 514526

Ion Ratio Lower Upper

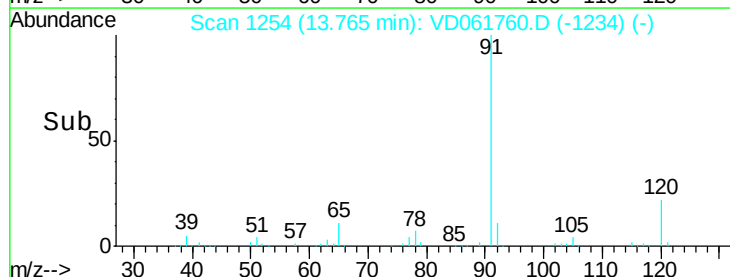
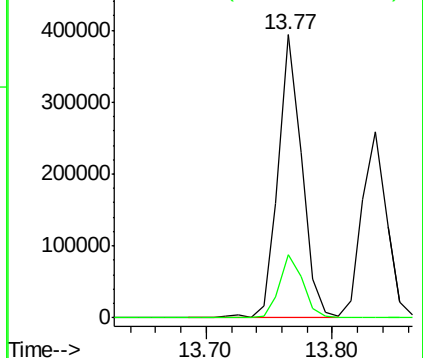
91 100

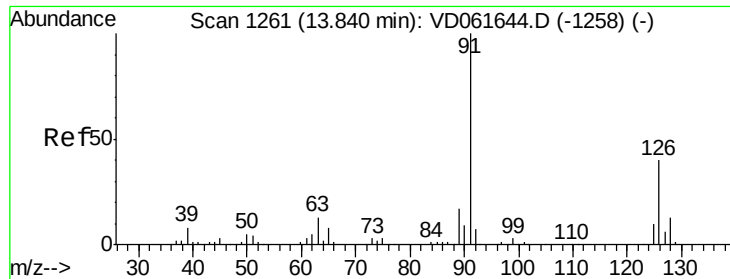
120 22.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.331 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

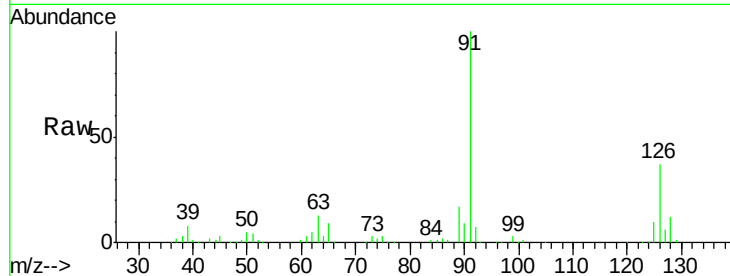
ClientSampleId :

Tot Ion: 91 Resp: 354182

Ion Ratio Lower Upper

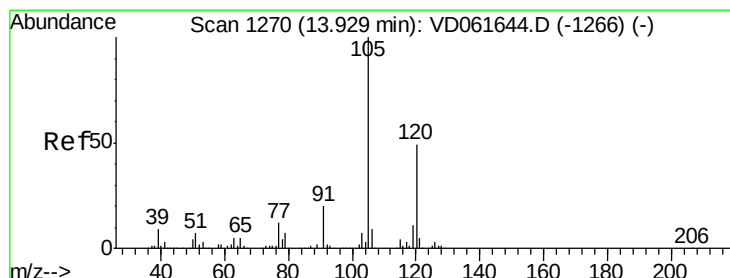
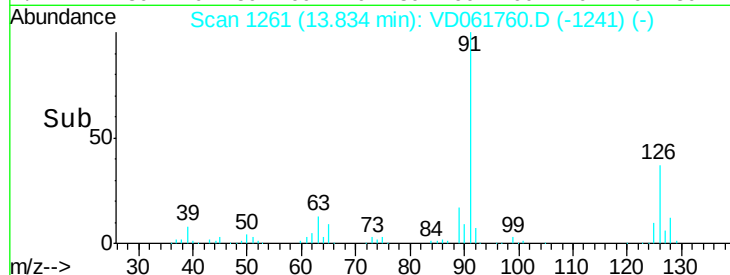
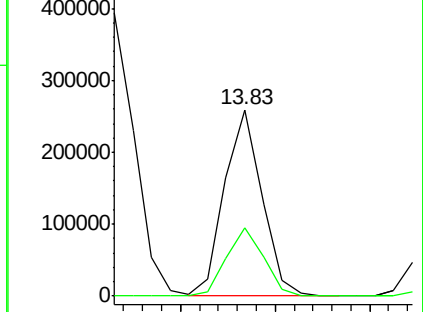
91 100

126 36.6 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 19.409 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061760.D

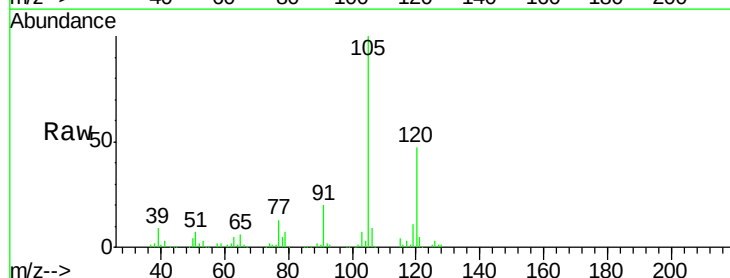
Acq: 12 Apr 2019 2:52

Tgt Ion: 105 Resp: 357175

Ion Ratio Lower Upper

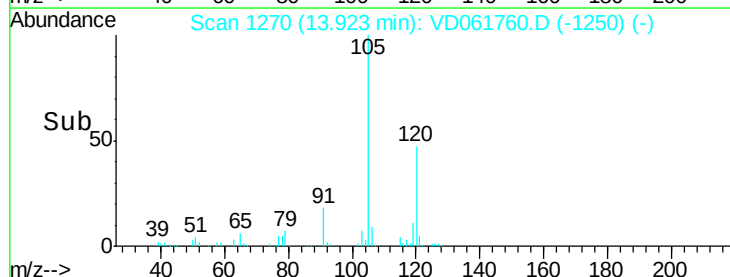
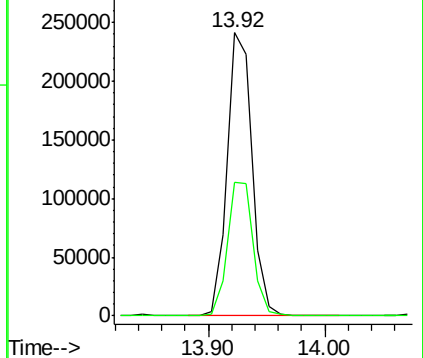
105 100

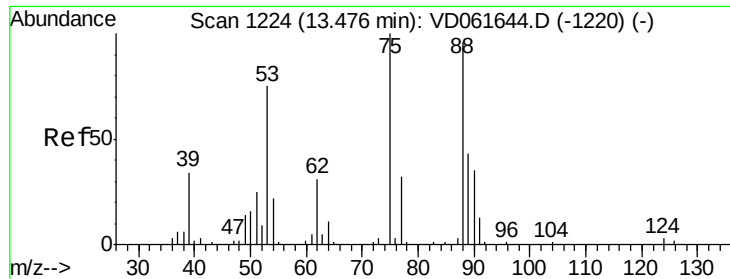
120 47.2 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

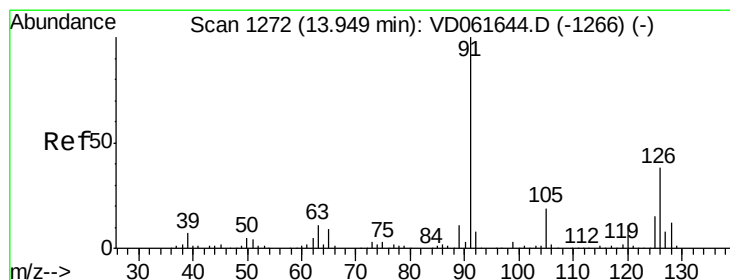
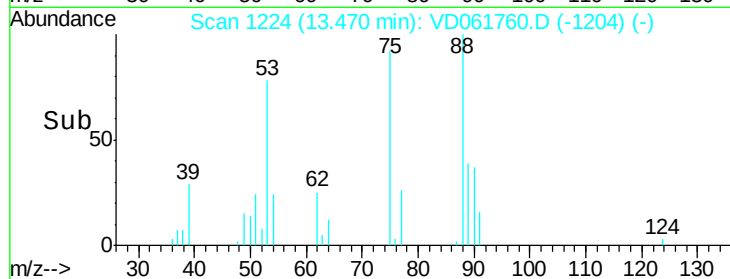
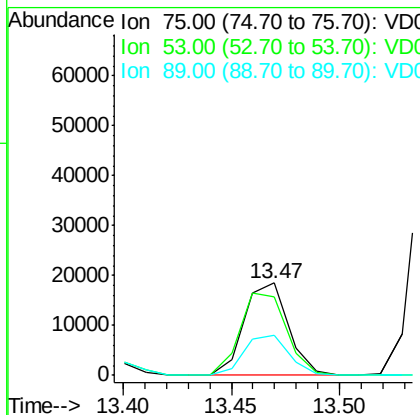
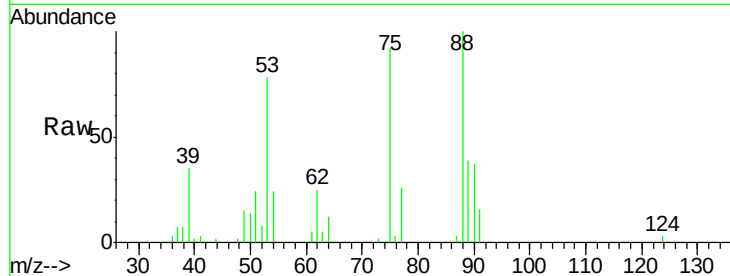




#81
trans-1,4-Dichloro-2-butene
Concen: 18.295 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

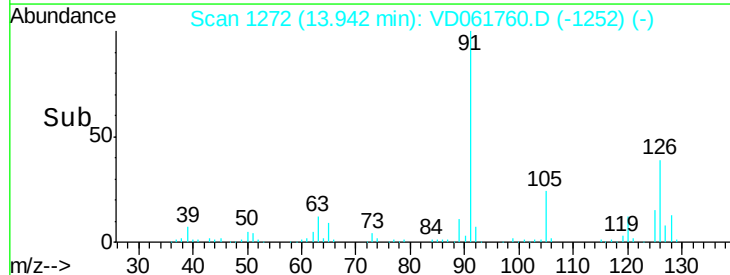
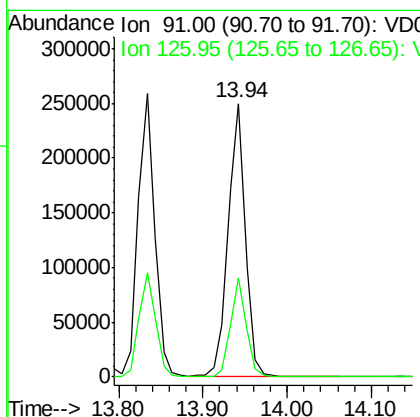
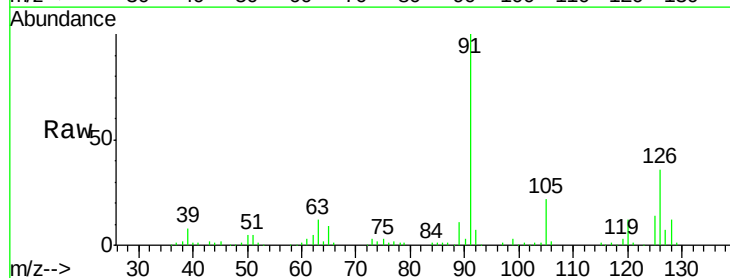
Instrument :
MSVOA_D
ClientSampleId :

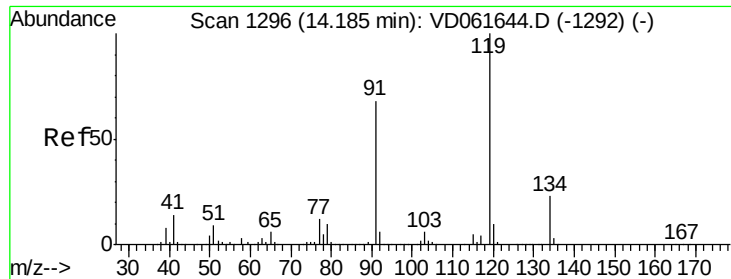
Tot Ion: 75 Resp: 26283
Ion Ratio Lower Upper
75 100
53 84.7 60.2 90.2
89 42.9 34.2 51.2



#82
4-Chlorotoluene
Concen: 20.508 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061760.D
Acq: 12 Apr 2019 2:52

Tgt Ion: 91 Resp: 356414
Ion Ratio Lower Upper
91 100
126 36.2 19.0 57.0

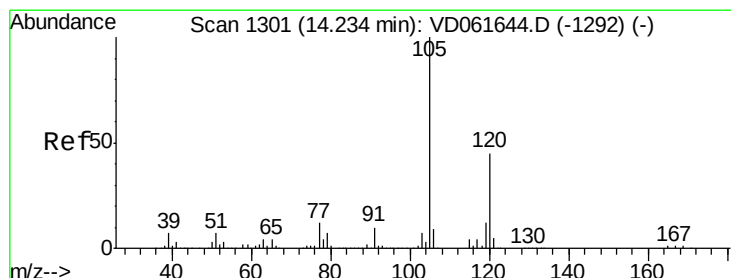
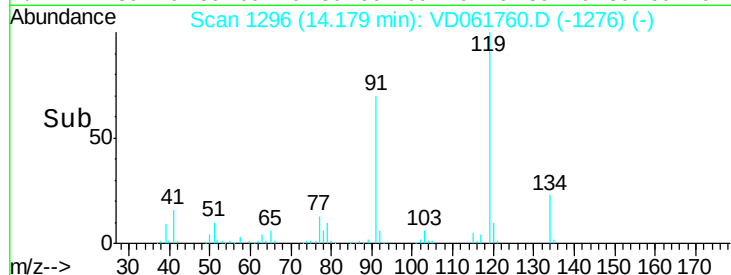
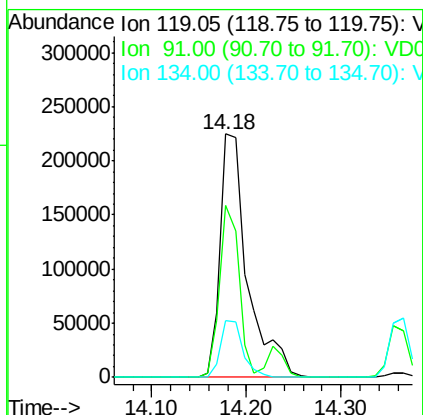
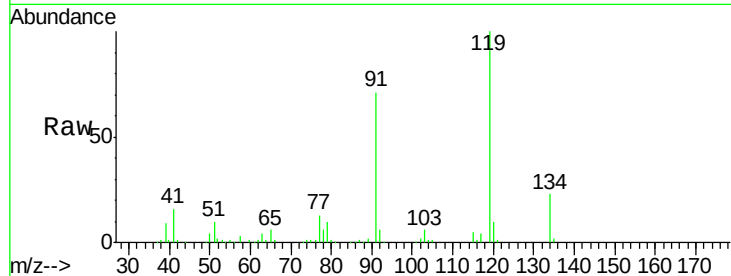




#83
 tert-Butylbenzene
 Concen: 20.400 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

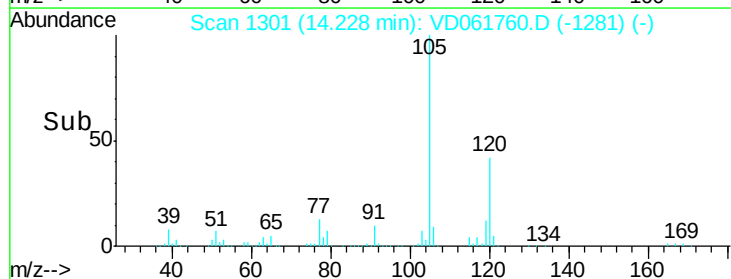
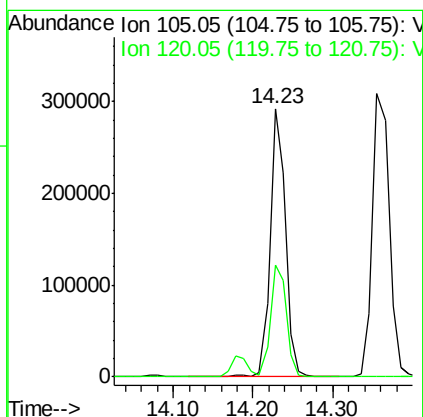
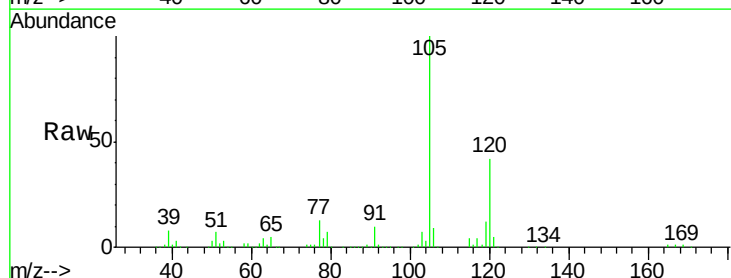
Instrument :
 MSVOA_D
 ClientSampleId :

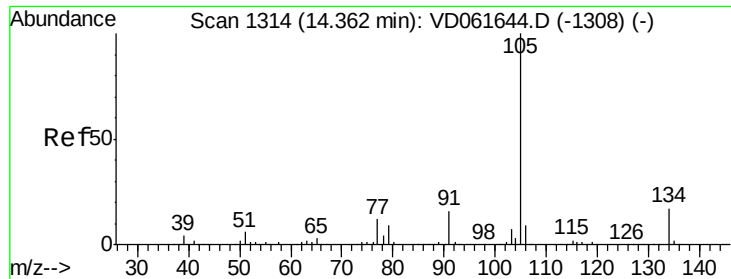
Tot Ion:119 Resp: 452636
 Ion Ratio Lower Upper
 119 100
 91 70.7 33.9 101.6
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.997 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:105 Resp: 389983
 Ion Ratio Lower Upper
 105 100
 120 41.7 22.6 67.8

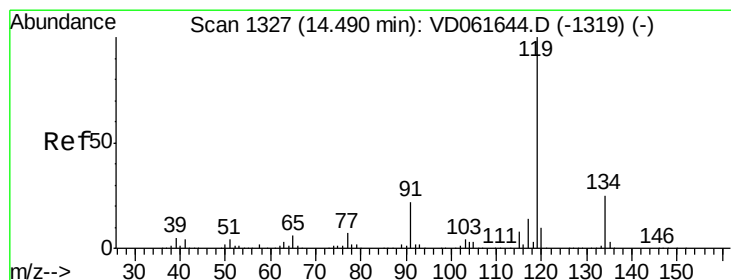
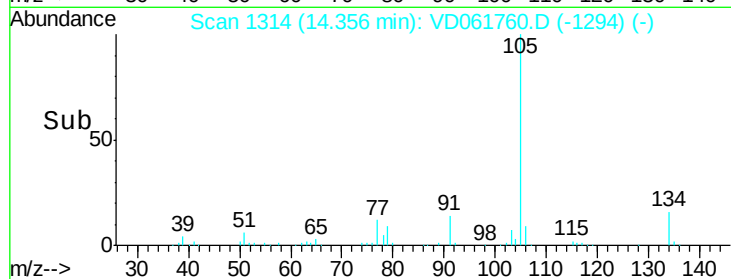
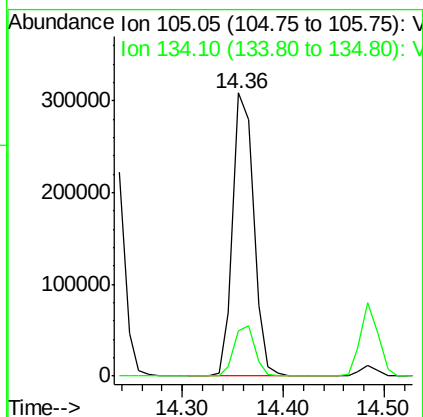
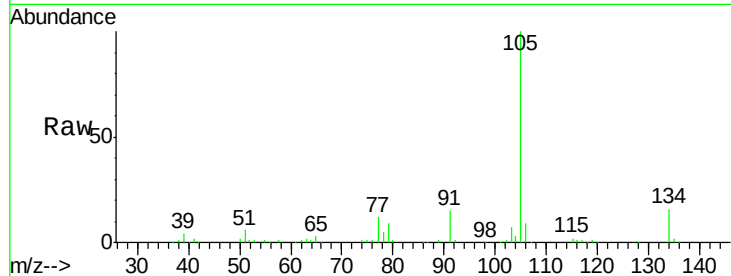




#85
 sec-Butylbenzene
 Concen: 18.452 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

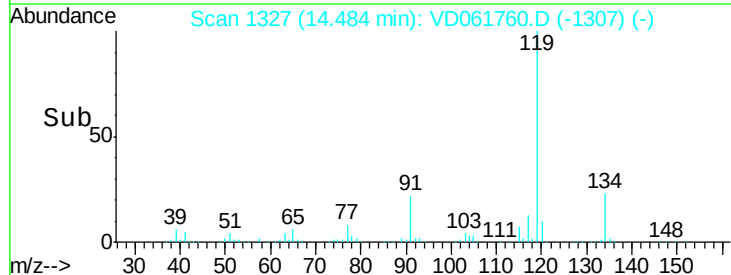
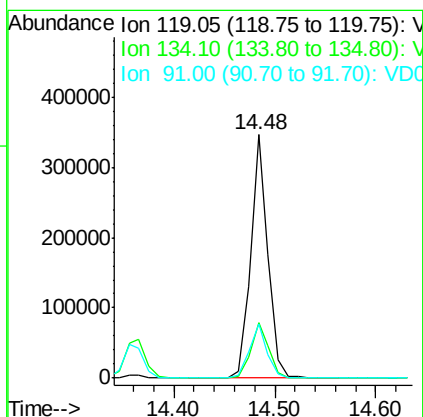
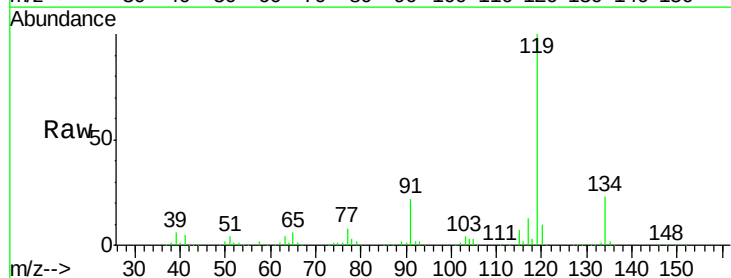
Instrument :
 MSVOA_D
 ClientSampleId :

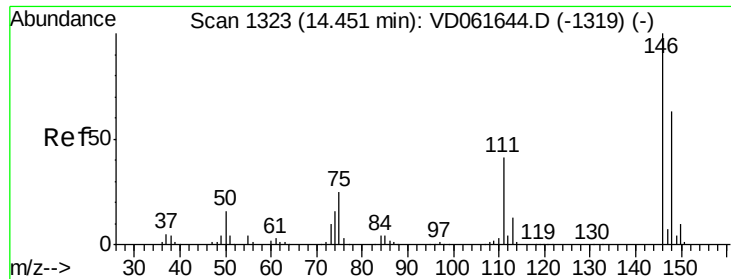
Tot Ion:105 Resp: 442355
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 19.744 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:119 Resp: 410599
 Ion Ratio Lower Upper
 119 100
 134 23.0 12.5 37.5
 91 22.2 11.0 33.0

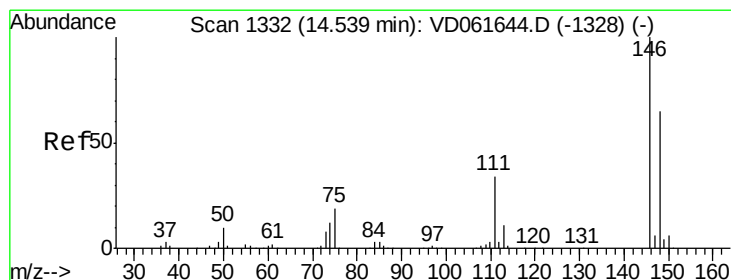
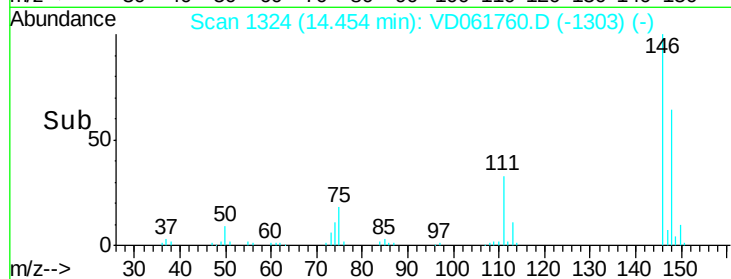
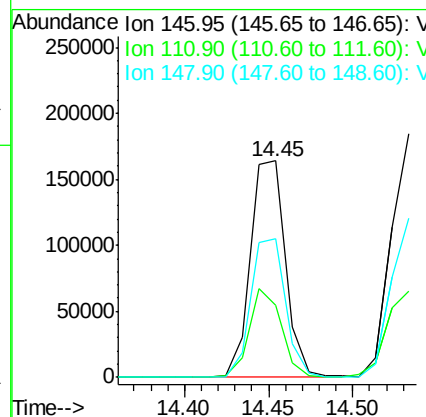
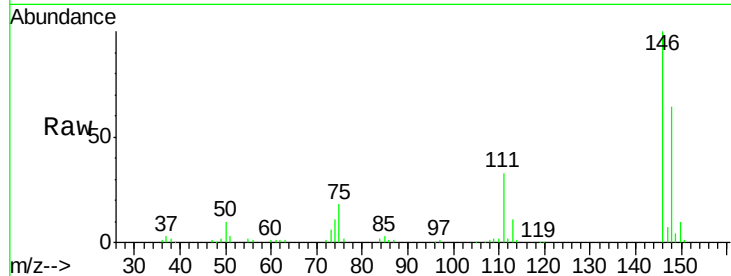




#87
 1,3-Dichlorobenzene
 Concen: 20.497 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

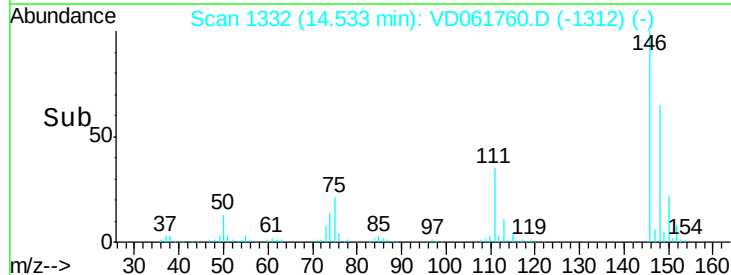
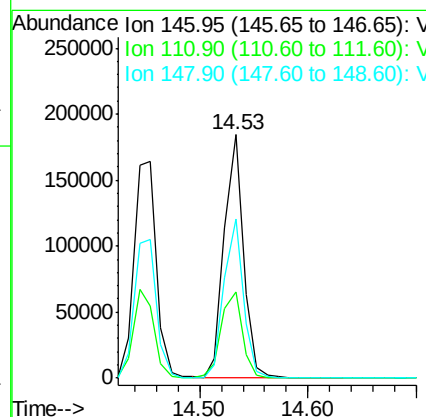
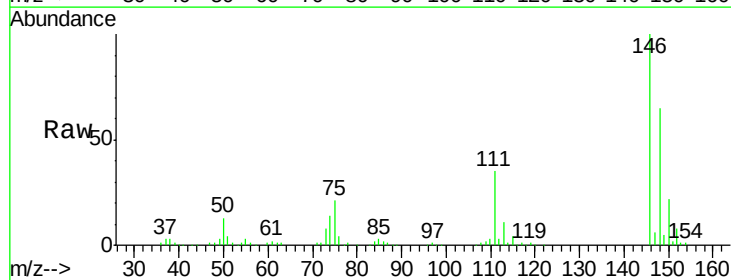
Instrument :
 MSVOA_D
 ClientSampleID :

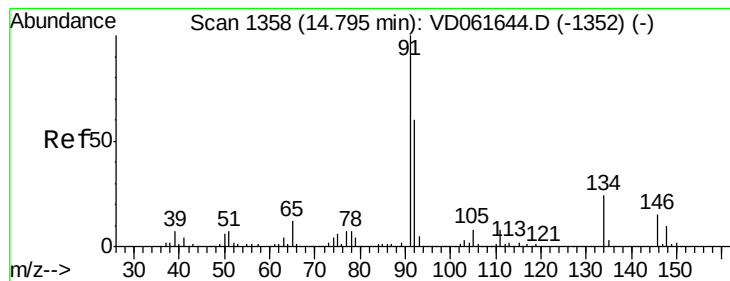
Tot Ion:146 Resp: 237405
 Ion Ratio Lower Upper
 146 100
 111 33.3 20.3 61.0
 148 64.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.769 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:146 Resp: 231025
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.1 51.2
 148 65.1 32.6 97.7





#89

n-Butylbenzene

Concen: 17.945 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

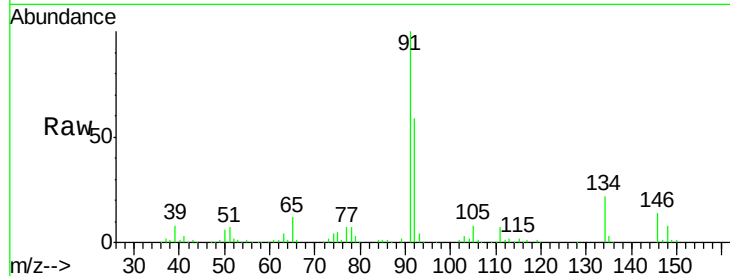
Tot Ion: 91 Resp: 324373

Ion Ratio Lower Upper

91 100

92 58.9 29.8 89.4

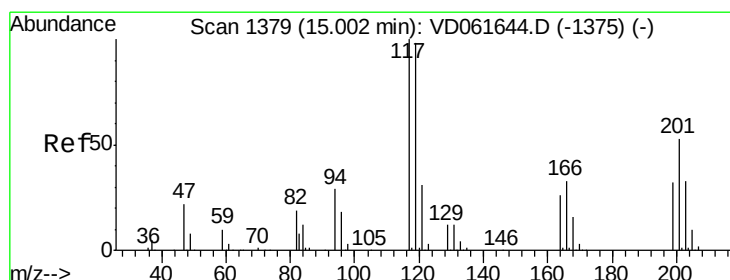
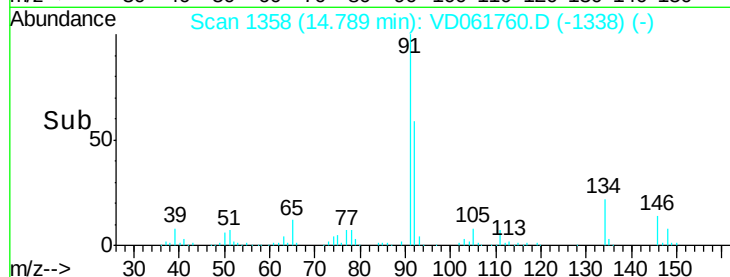
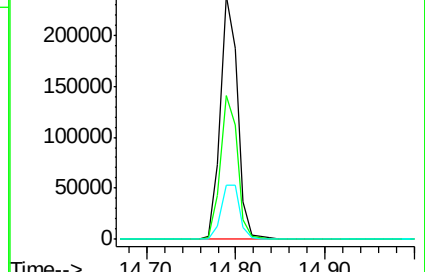
134 22.5 12.2 36.4



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: 21.000 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061760.D

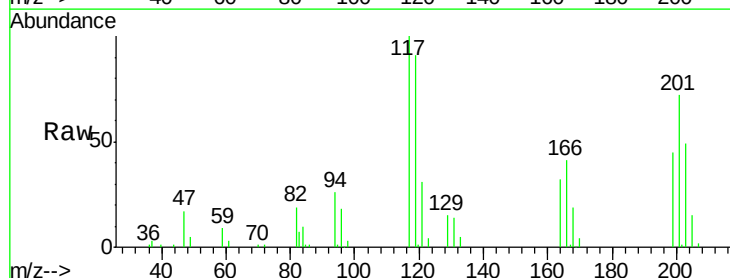
Acq: 12 Apr 2019 2:52

Tgt Ion: 117 Resp: 118500

Ion Ratio Lower Upper

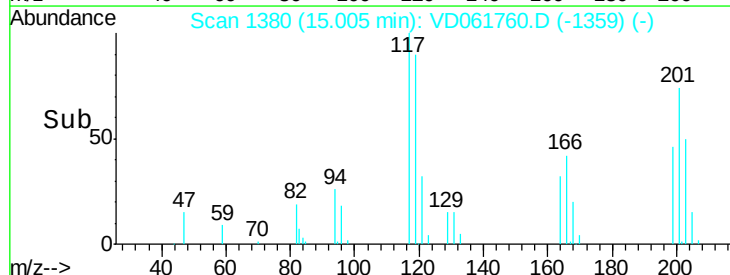
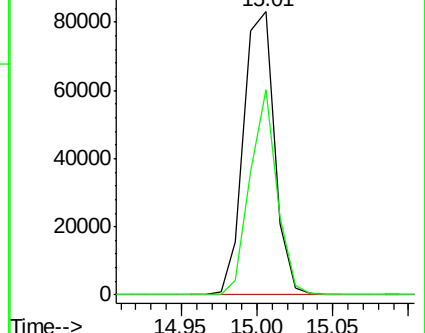
117 100

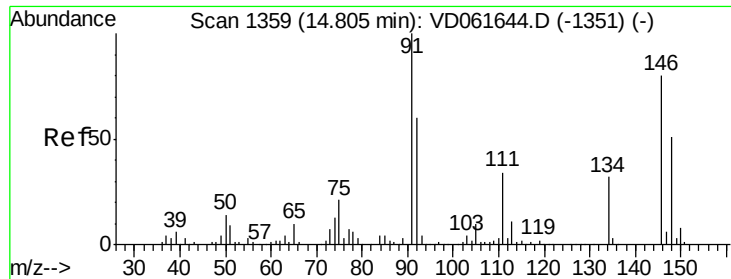
201 72.3 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

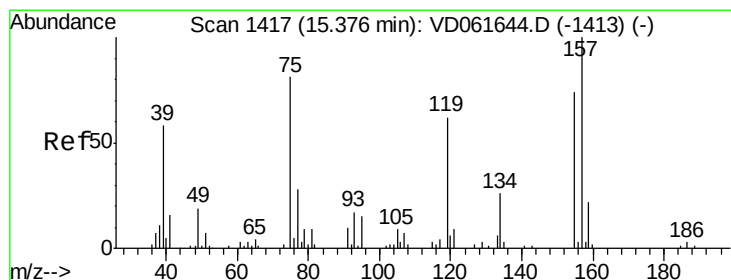
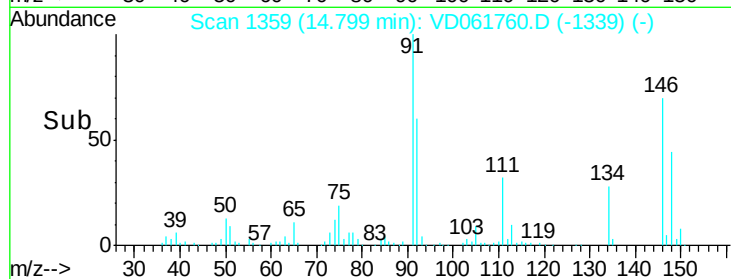
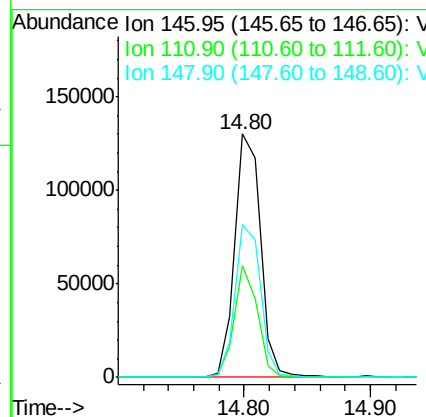
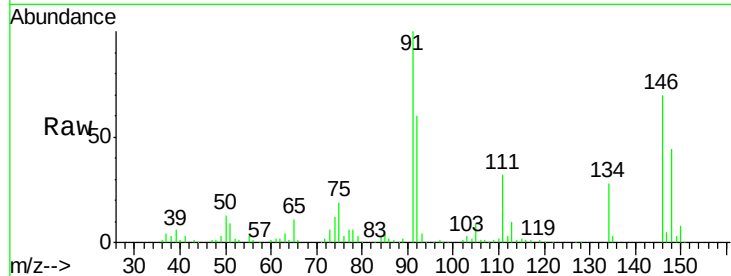




#91
 1,2-Dichlorobenzene
 Concen: 19.177 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

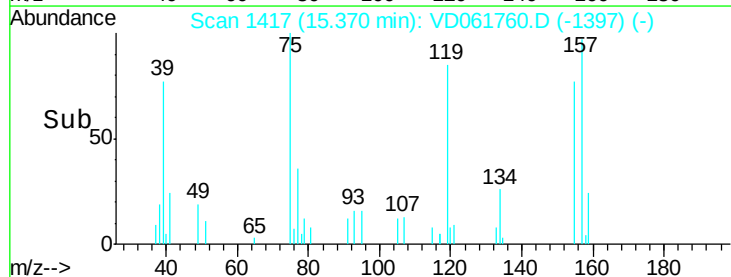
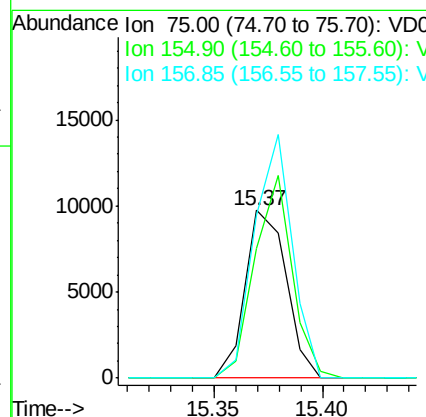
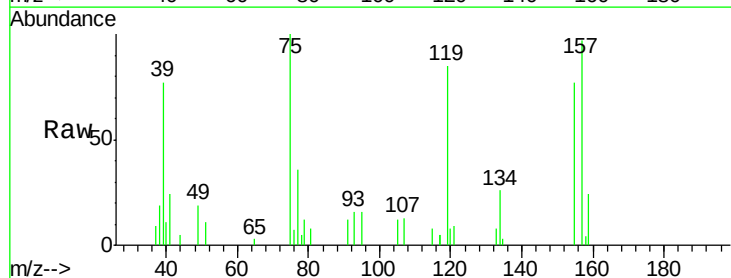
Instrument :
 MSVOA_D
 ClientSampleId :

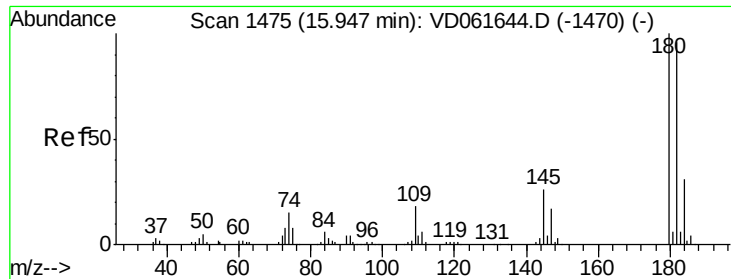
Tot Ion:146 Resp: 183061
 Ion Ratio Lower Upper
 146 100
 111 45.9 21.1 63.3
 148 62.9 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.129 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion: 75 Resp: 12802
 Ion Ratio Lower Upper
 75 100
 155 77.3 45.6 136.7
 157 97.3 61.4 184.2

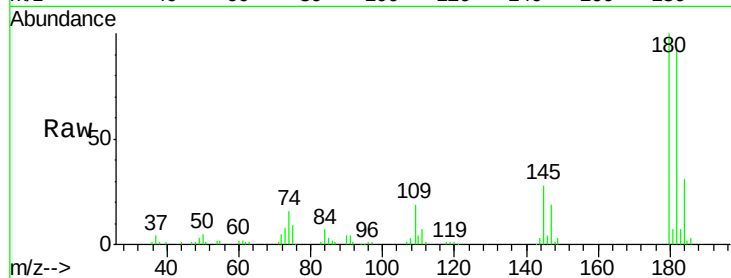




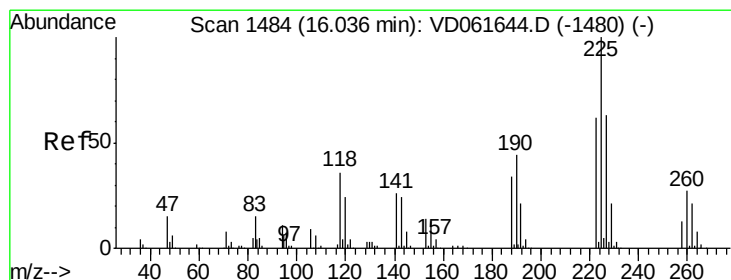
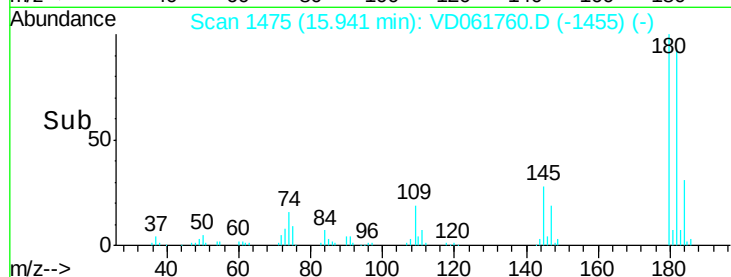
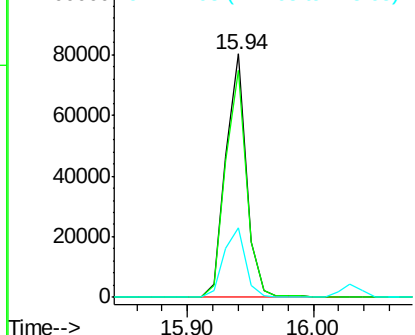
#93
 1,2,4-Trichlorobenzene
 Concen: 18.681 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 90851
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.8 143.3
 145 28.3 13.3 39.8

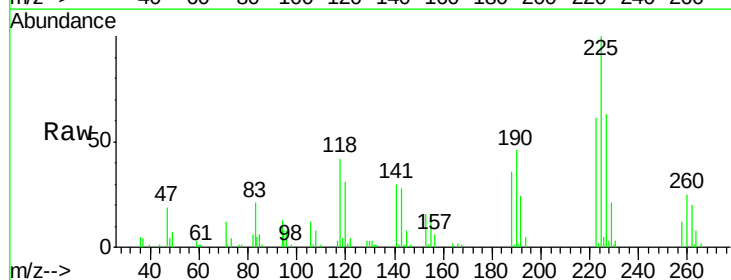


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

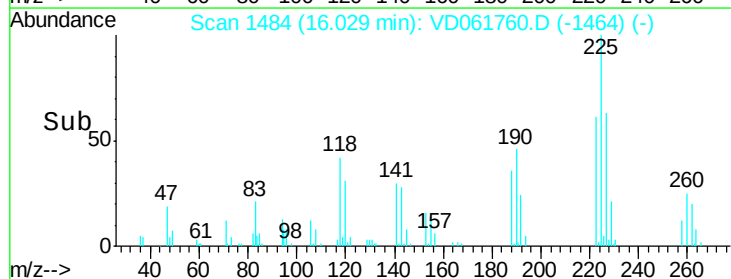
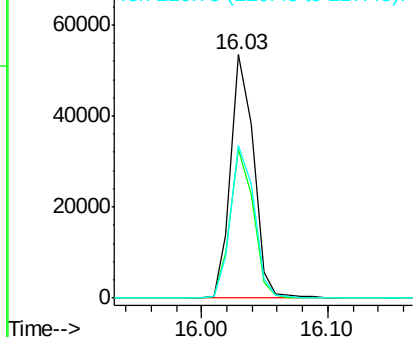


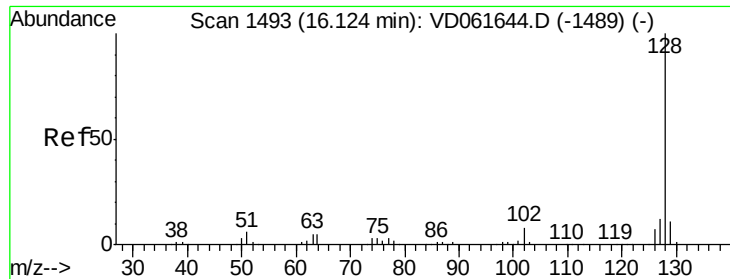
#94
 Hexachlorobutadiene
 Concen: 17.969 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061760.D
 Acq: 12 Apr 2019 2:52

Tgt Ion:225 Resp: 67480
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.8 92.3
 227 62.6 31.5 94.5



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: 21.030 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

Instrument :

MSVOA_D

ClientSampleId :

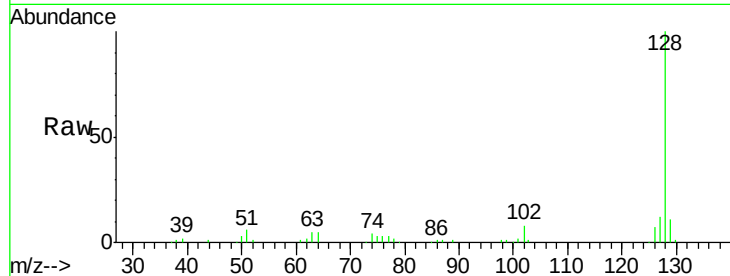
Tot Ion:128 Resp: 161832

Ion Ratio Lower Upper

128 100

127 11.8 9.4 14.2

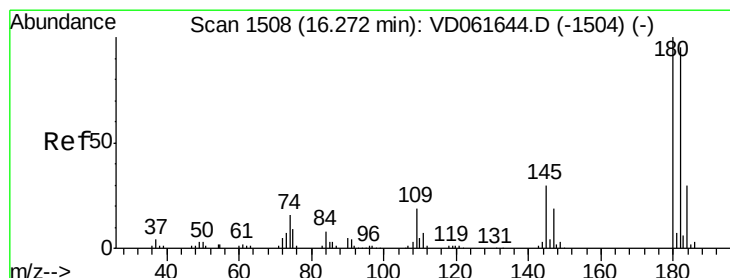
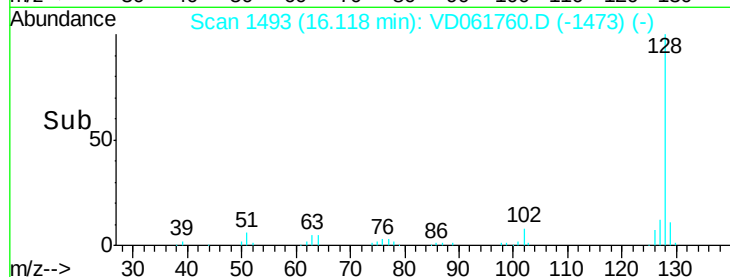
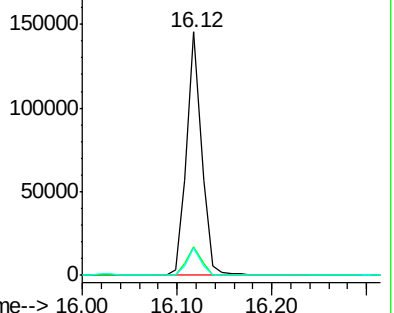
129 11.2 8.8 13.2



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: 21.791 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD061760.D

Acq: 12 Apr 2019 2:52

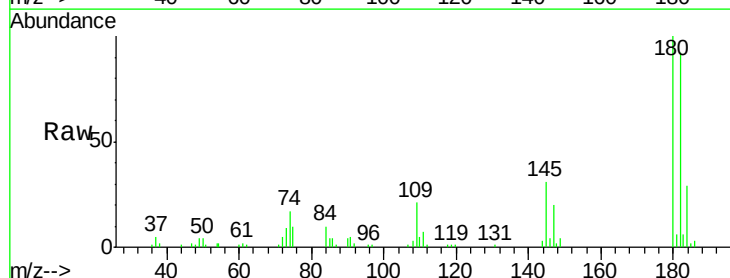
Tgt Ion:180 Resp: 52892

Ion Ratio Lower Upper

180 100

182 92.3 47.3 142.0

145 30.8 15.1 45.3



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

