

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061468.D
 Acq On : 1 Apr 2019 15:04
 Operator : VA/AP
 Sample : VD0401SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

Quant Time: Apr 02 01:17:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	762682	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1269163	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1044977	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	450977	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	327637	50.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	6.93	113	518343	53.44	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.41	98	1303646	56.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.08%	
62) 4-Bromofluorobenzene	13.55	95	486103	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	169532	20.814 ug/l	96
3) Chloromethane	1.77	50	141005	21.227 ug/l	100
4) Vinyl Chloride	1.86	62	137841	22.600 ug/l	96
5) Bromomethane	2.16	94	21871	18.083 ug/l #	93
6) Chloroethane	2.27	64	36233	20.257 ug/l	94
7) Trichlorofluoromethane	2.54	101	177989	20.068 ug/l	100
8) Diethyl Ether	2.89	74	58637	20.534 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	193774	20.322 ug/l	98
10) Methyl Iodide	3.32	142	252097	19.652 ug/l	98
11) Tert butyl alcohol	4.08	59	40690	100.285 ug/l	98
12) 1,1-Dichloroethene	3.13	96	160700	19.630 ug/l	99
13) Acrolein	3.04	56	31439	86.734 ug/l	94
14) Allyl chloride	3.63	41	258334	22.625 ug/l	93
15) Acrylonitrile	4.21	53	139876	99.326 ug/l	93
16) Acetone	3.22	43	162385	96.957 ug/l	96
17) Carbon Disulfide	3.39	76	523691	19.689 ug/l	99
18) Methyl Acetate	3.65	43	79108	22.465 ug/l	99
19) Methyl tert-butyl Ether	4.24	73	304493	21.488 ug/l	99
20) Methylene Chloride	3.82	84	206208	20.859 ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	191799	21.701 ug/l	98
22) Diisopropyl ether	5.12	45	524759	21.718 ug/l	97
23) Vinyl Acetate	5.06	43	1317187	100.358 ug/l	100
24) 1,1-Dichloroethane	4.99	63	295144	20.785 ug/l	99
25) 2-Butanone	6.08	43	206232	97.890 ug/l	99
26) 2,2-Dichloropropane	6.03	77	228481	20.241 ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	194394	20.075 ug/l	98
28) Bromochloromethane	6.44	49	117843	20.559 ug/l #	97
29) Tetrahydrofuran	6.46	42	116275	113.867 ug/l	99
30) Chloroform	6.67	83	307580	20.963 ug/l	99
31) Cyclohexane	6.96	56	246549	21.971 ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	277896	21.468 ug/l	96
36) 1,1-Dichloropropene	7.15	75	234107	21.135 ug/l	99
37) Ethyl Acetate	6.18	43	103126	21.769 ug/l	96
38) Carbon Tetrachloride	7.12	117	262740	20.642 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	227151	19.690	ug/l	98
40) Benzene	7.46	78	604105	21.730	ug/l	100
41) Methacrylonitrile	6.45	41	126774	22.887	ug/l	97
42) 1,2-Dichloroethane	7.58	62	175723	21.131	ug/l	99
43) Isopropyl Acetate	9.24	43	142190	20.629	ug/l	98
44) Trichloroethene	8.54	130	210299	20.327	ug/l	99
45) 1,2-Dichloropropane	8.94	63	155970	22.126	ug/l	97
46) Dibromomethane	9.06	93	100133	21.104	ug/l	96
47) Bromodichloromethane	9.37	83	232024	21.788	ug/l	100
48) Methyl methacrylate	9.12	41	78303	20.584	ug/l	98
49) 1,4-Dioxane	9.08	88	18005	429.120	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	443277	105.706	ug/l	98
52) Toluene	10.51	92	393580	23.206	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	202867	20.967	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	271163	23.016	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	117512	19.812	ug/l	98
56) Ethyl methacrylate	11.04	69	134918	21.174	ug/l	97
57) 1,3-Dichloropropane	11.40	76	190927	21.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	332539	107.165	ug/l	99
59) 2-Hexanone	11.53	43	319988	105.318	ug/l	97
60) Dibromochloromethane	11.69	129	197489	21.598	ug/l	96
61) 1,2-Dibromoethane	11.81	107	147172	21.428	ug/l	96
64) Tetrachloroethene	11.26	164	176770	21.554	ug/l	99
65) Chlorobenzene	12.40	112	460149	21.547	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	184495	22.312	ug/l	97
67) Ethyl Benzene	12.52	91	749315	22.987	ug/l	99
68) m/p-Xylenes	12.66	106	543497	44.016	ug/l	97
69) o-Xylene	13.05	106	272267	22.722	ug/l	99
70) Styrene	13.07	104	464268	22.227	ug/l	96
71) Bromoform	13.23	173	104176	19.875	ug/l	98
73) Isopropylbenzene	13.40	105	717759	22.868	ug/l	100
74) N-amyl acetate	13.26	43	181588	20.768	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	130956	19.778	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	135246	20.761	ug/l	97
77) Bromobenzene	13.67	156	194087	20.858	ug/l	86
78) n-propylbenzene	13.78	91	870499	22.663	ug/l	98
79) 2-Chlorotoluene	13.83	91	506602	24.290	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	571723	23.476	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	42262	21.277	ug/l	99
82) 4-Chlorotoluene	13.94	91	516229	22.764	ug/l	92
83) tert-Butylbenzene	14.19	119	658992	21.653	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	567977	21.543	ug/l	97
85) sec-Butylbenzene	14.37	105	719795	22.263	ug/l	99
86) p-Isopropyltoluene	14.49	119	638921	23.369	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	358288	22.738	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	342391	22.282	ug/l	96
89) n-Butylbenzene	14.80	91	583479	23.252	ug/l	98
90) Hexachloroethane	15.01	117	168168	21.773	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	299630	23.183	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	17648	22.726	ug/l	75

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

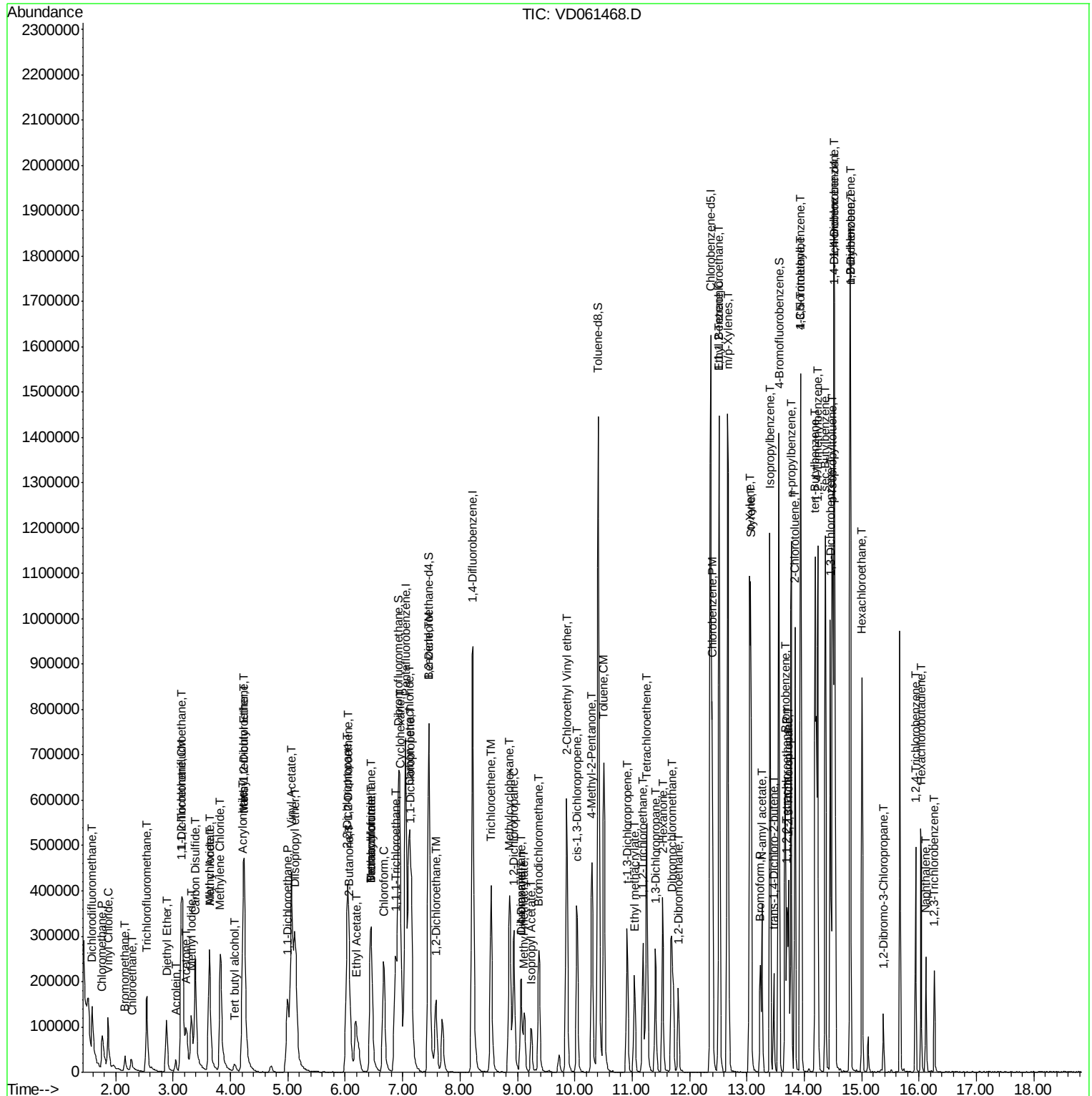
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	119945	20.372	ug/l	99
94) Hexachlorobutadiene	16.04	225	94386	20.515	ug/l	97
95) Naphthalene	16.12	128	165859	18.481	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	54554	21.056	ug/l	99

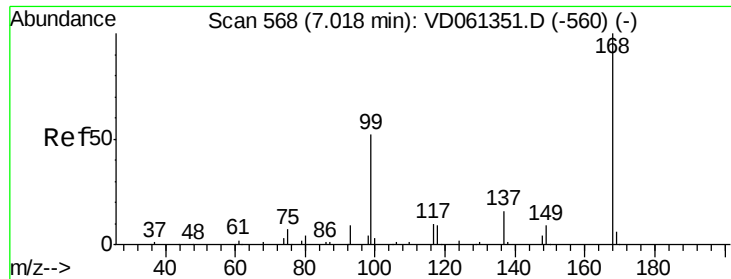
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

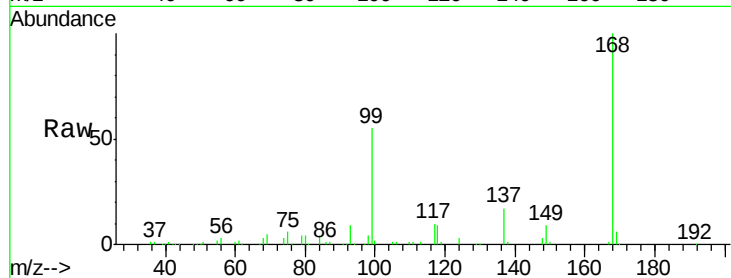
VD0401SBSD01

Tot Ion:168 Resp: 762682

Ion Ratio Lower Upper

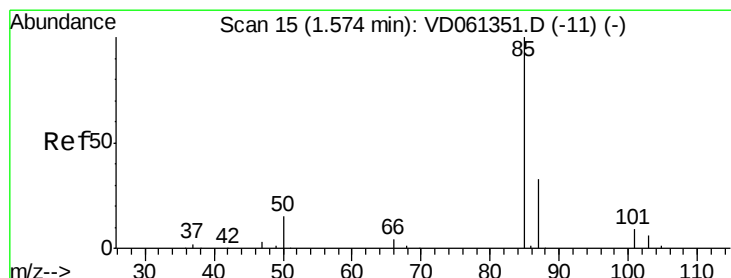
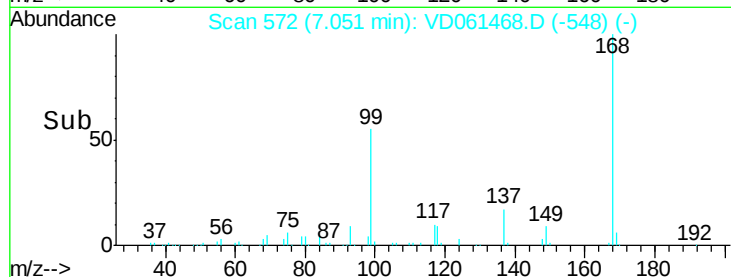
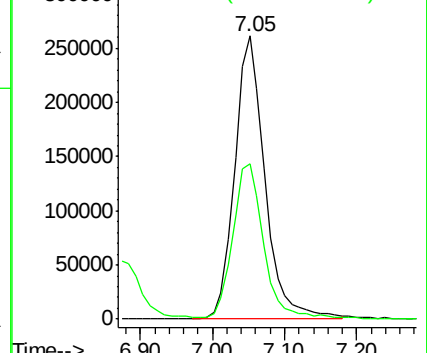
168 100

99 54.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.814 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061468.D

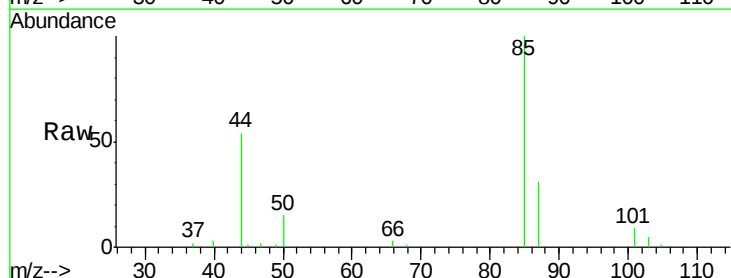
Acq: 1 Apr 2019 15:04

Tgt Ion: 85 Resp: 169532

Ion Ratio Lower Upper

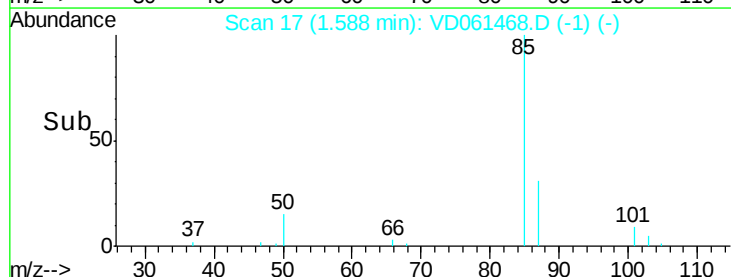
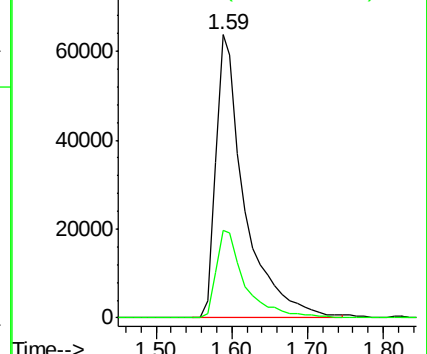
85 100

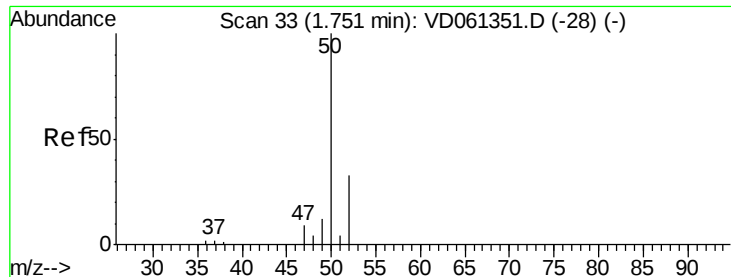
87 31.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.227 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

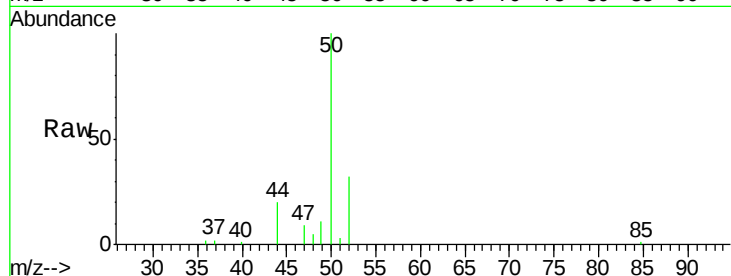
VD0401SBSD01

Tot Ion: 50 Resp: 141005

Ion Ratio Lower Upper

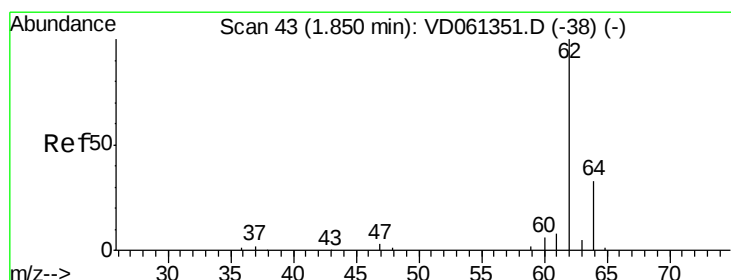
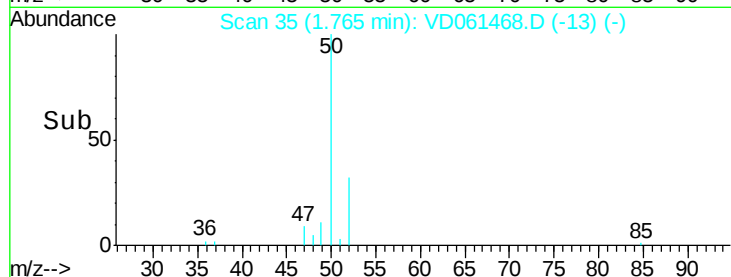
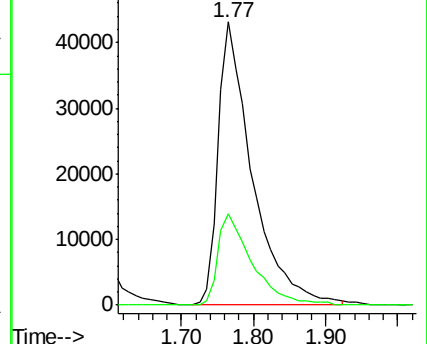
50 100

52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.600 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061468.D

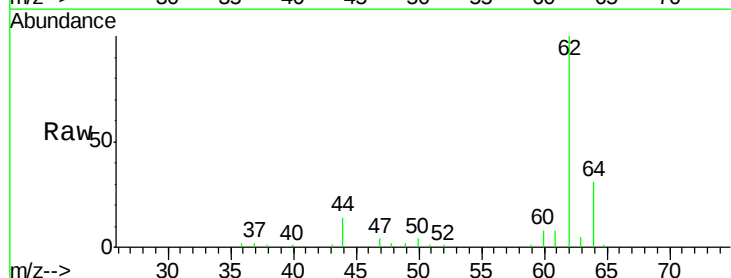
Acq: 1 Apr 2019 15:04

Tgt Ion: 62 Resp: 137841

Ion Ratio Lower Upper

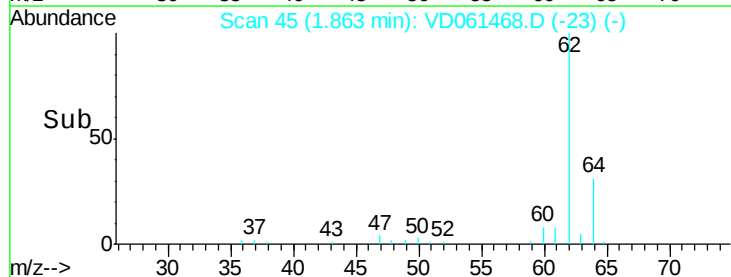
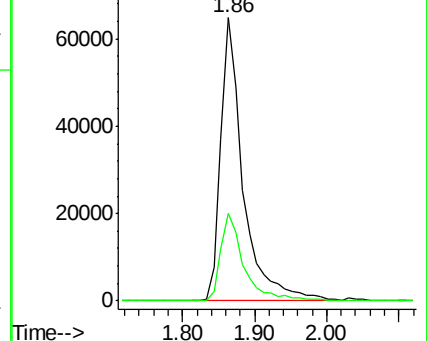
62 100

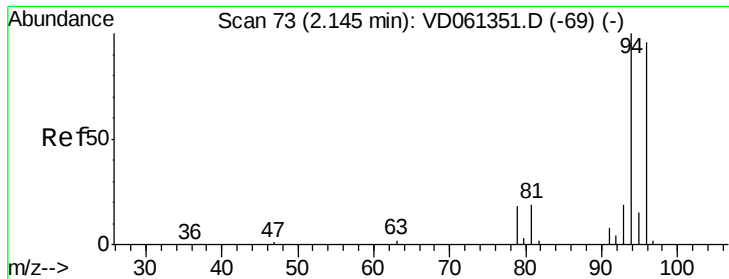
64 30.9 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.083 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

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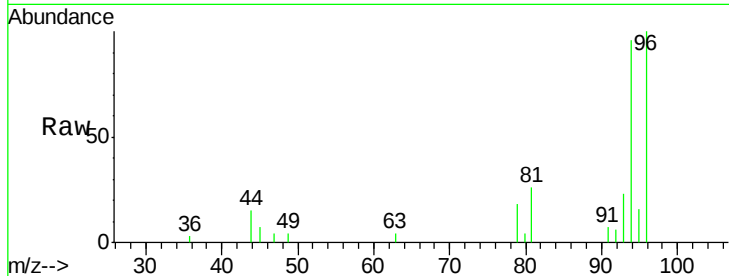
Tot Ion: 94 Resp: 21871

Ion Ratio Lower Upper

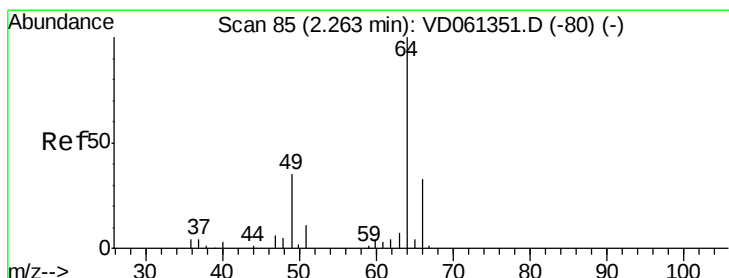
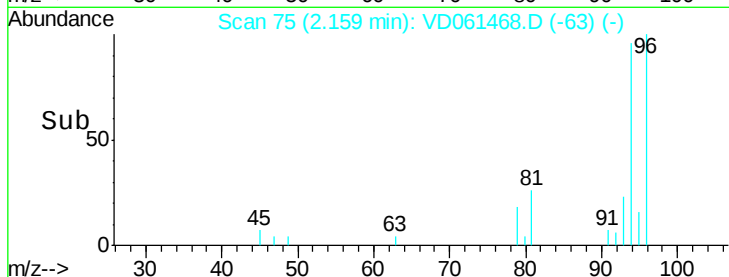
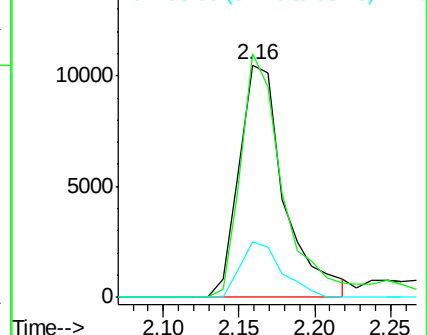
94 100

96 104.7 78.3 117.5

93 23.9 15.6 23.4#



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



#6

Chloroethane

Concen: 20.257 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061468.D

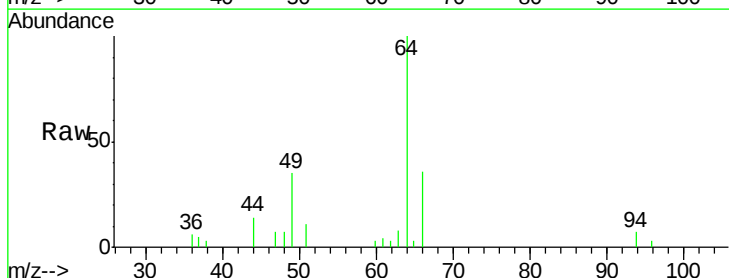
Acq: 1 Apr 2019 15:04

Tgt Ion: 64 Resp: 36233

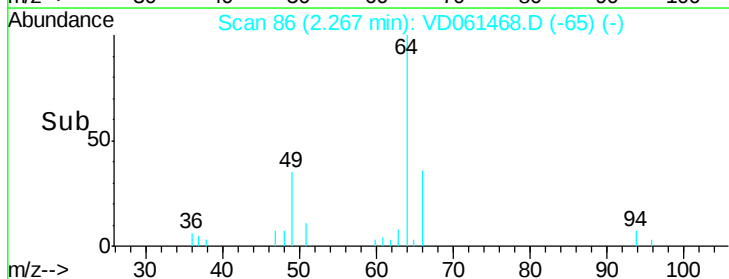
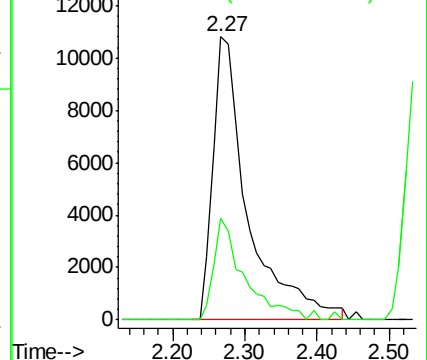
Ion Ratio Lower Upper

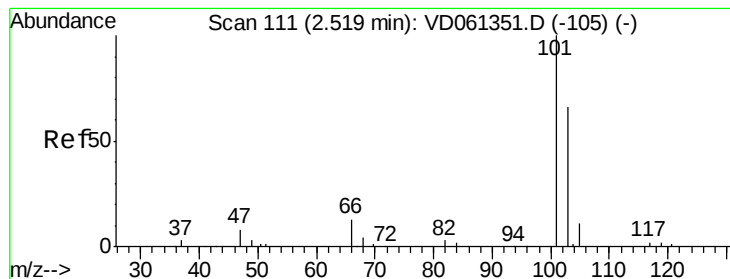
64 100

66 36.0 26.2 39.2



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



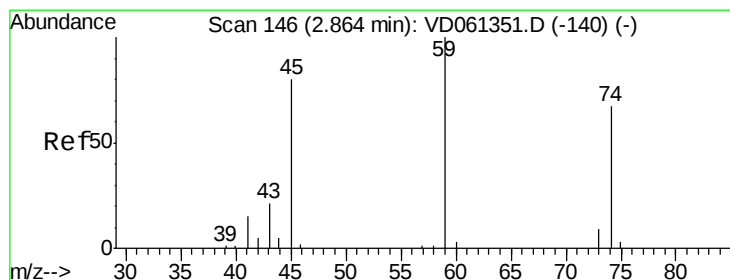
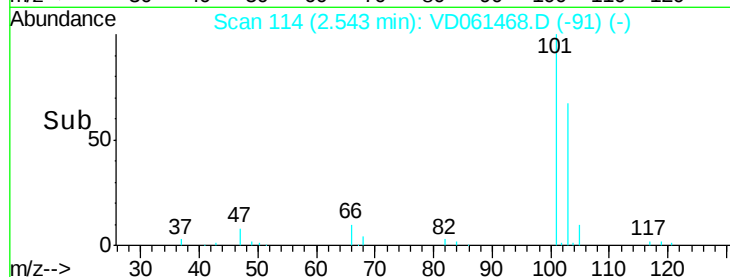
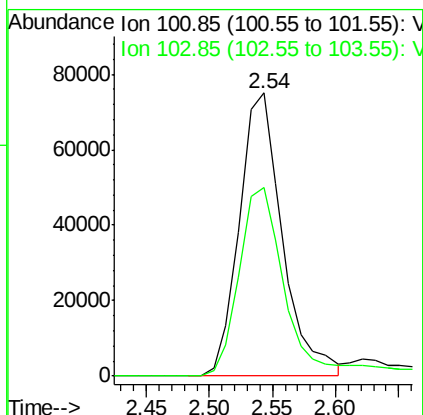
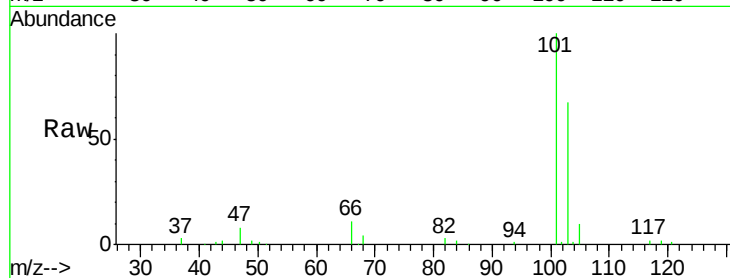


#7

Trichlorofluoromethane
 Concen: 20.068 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

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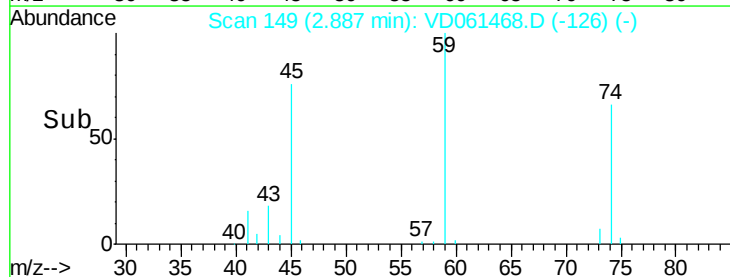
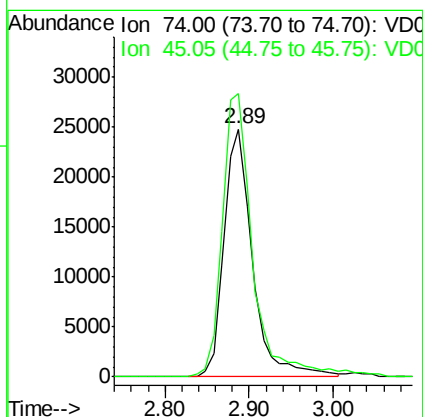
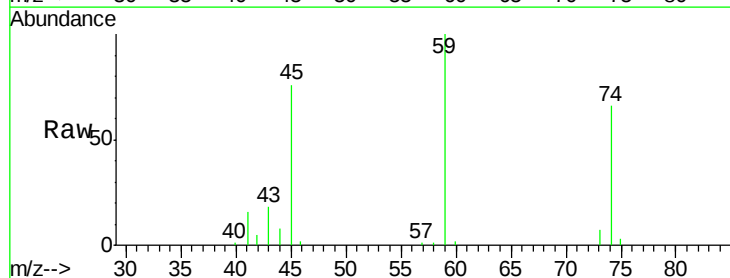
Tot Ion:101 Resp: 177989
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.1 79.7

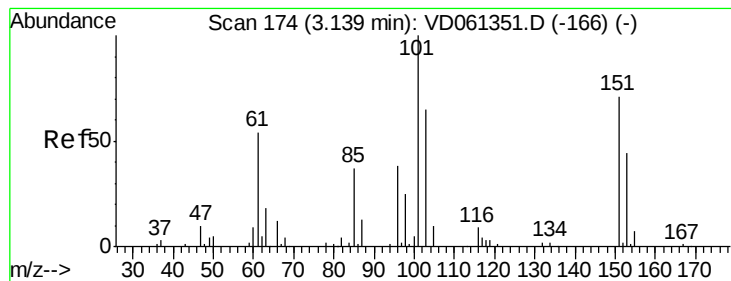


#8

Diethyl Ether
 Concen: 20.534 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion: 74 Resp: 58637
 Ion Ratio Lower Upper
 74 100
 45 114.2 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.322 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

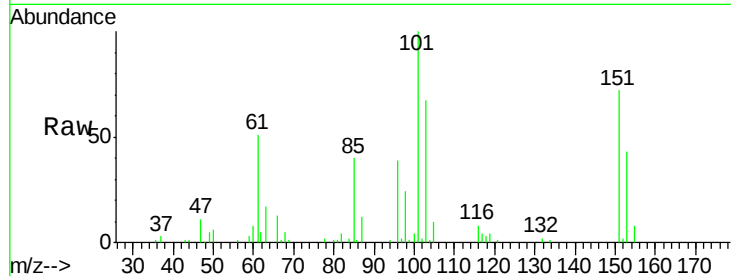
Tot Ion:101 Resp: 193774

Ion Ratio Lower Upper

101 100

85 39.8 29.4 44.0

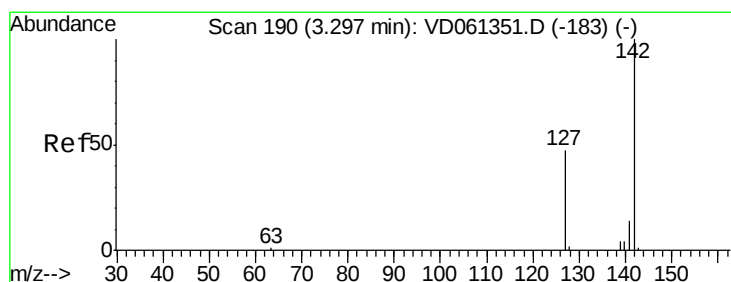
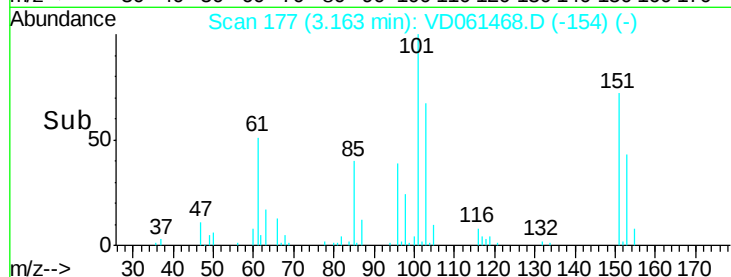
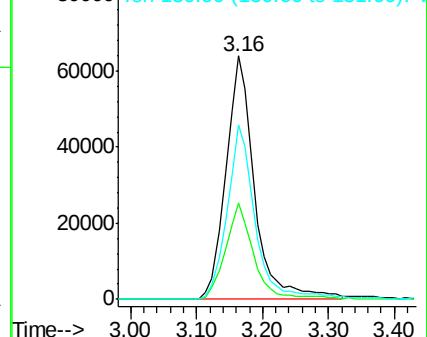
151 71.7 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.652 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

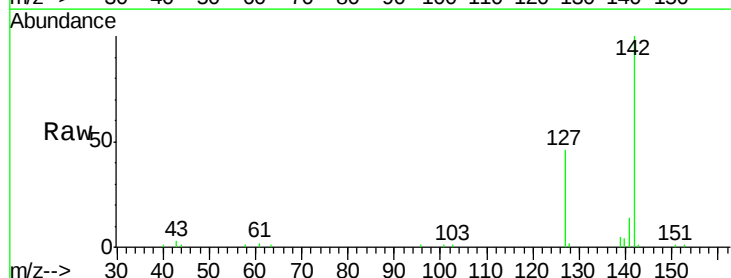
Tgt Ion:142 Resp: 252097

Ion Ratio Lower Upper

142 100

127 45.6 37.7 56.5

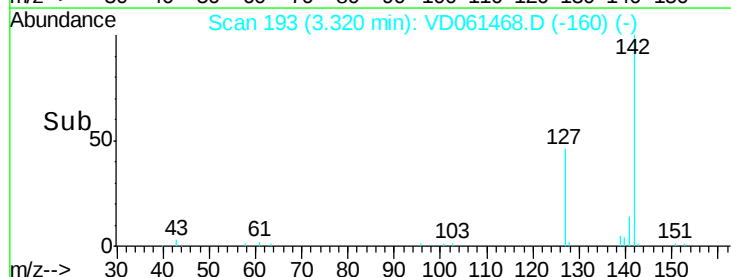
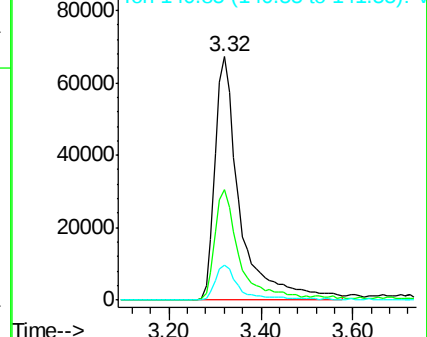
141 14.1 11.5 17.3

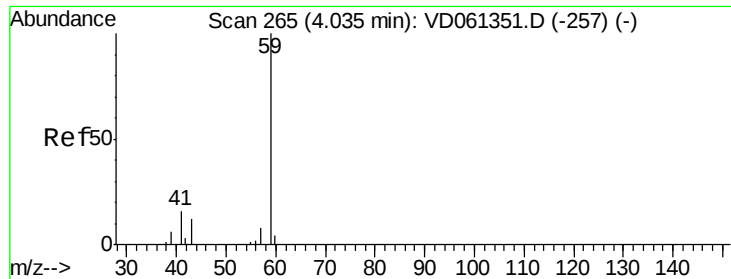


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

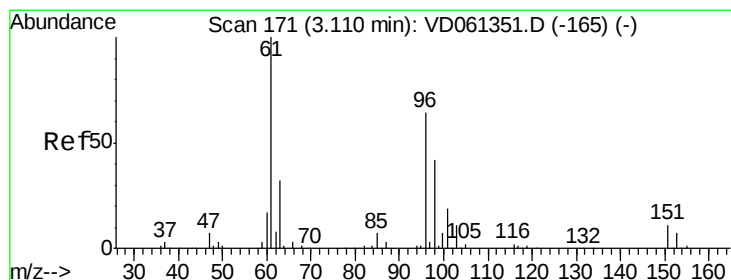
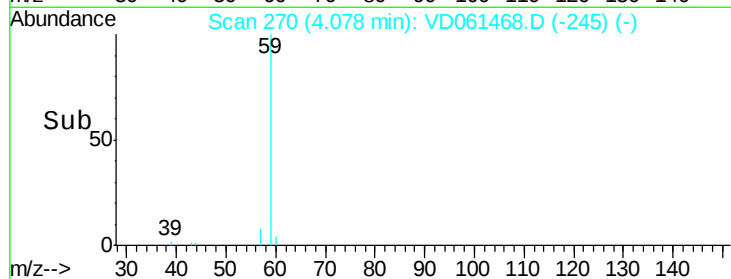
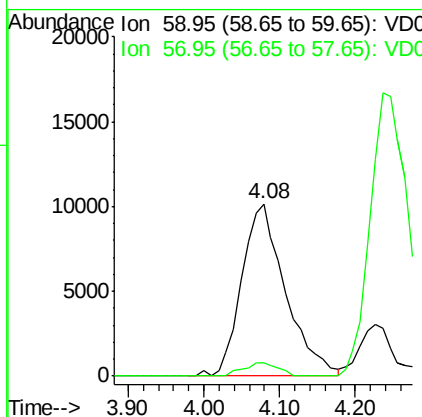
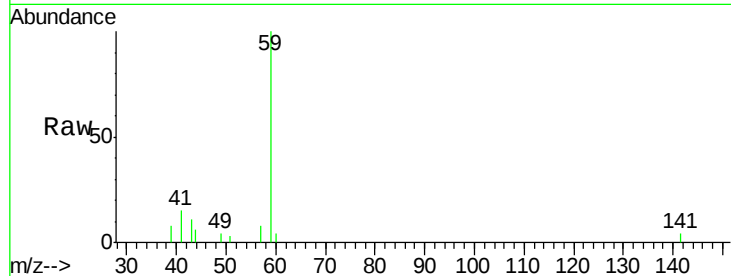




#11
Tert butyl alcohol
Concen: 100.285 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.04 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

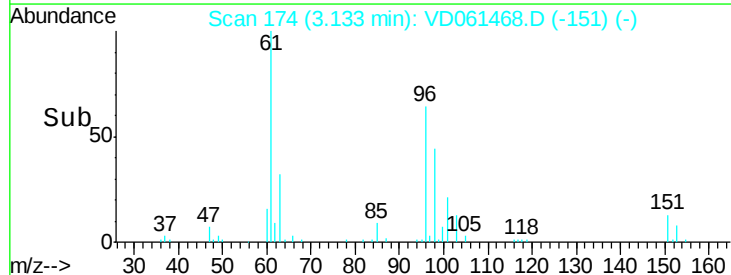
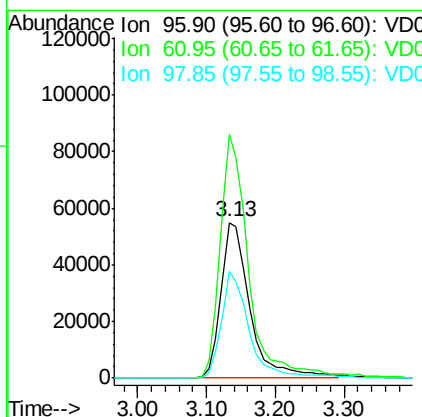
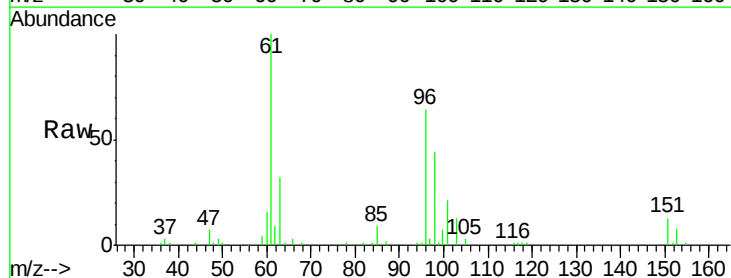
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

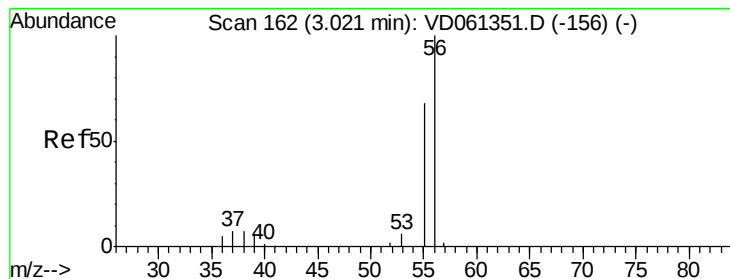
Tot Ion: 59 Resp: 40690
Ion Ratio Lower Upper
59 100
57 7.6 6.7 10.1



#12
1,1-Dichloroethene
Concen: 19.630 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 96 Resp: 160700
Ion Ratio Lower Upper
96 100
61 156.8 124.9 187.3
98 68.6 52.5 78.7





#13

Acrolein

Concen: 86.734 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

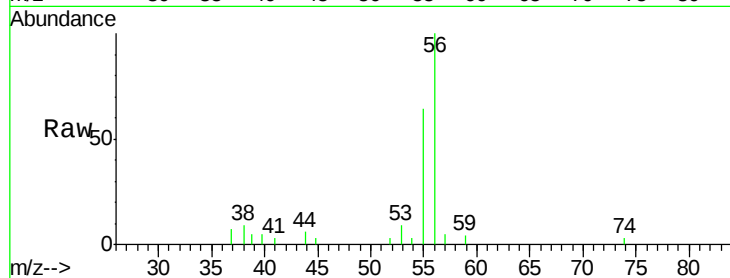
VD0401SBSD01

Tot Ion: 56 Resp: 31439

Ion Ratio Lower Upper

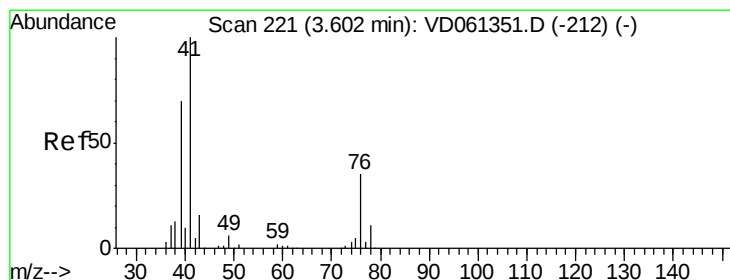
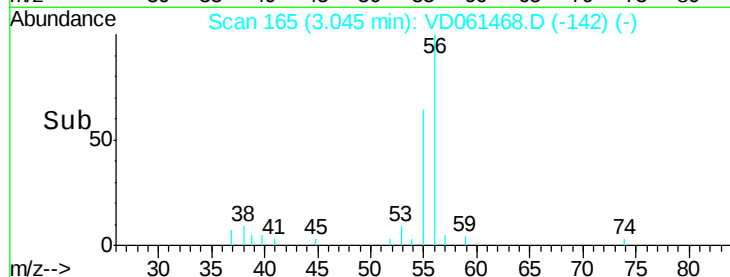
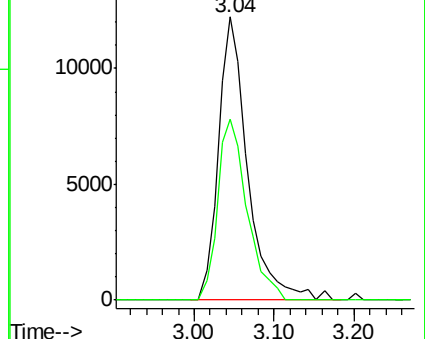
56 100

55 63.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.625 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

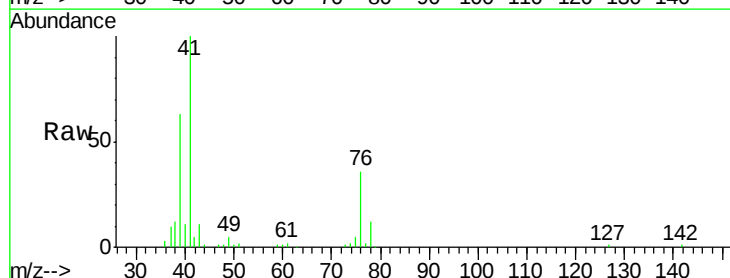
Tgt Ion: 41 Resp: 258334

Ion Ratio Lower Upper

41 100

39 62.6 55.6 83.4

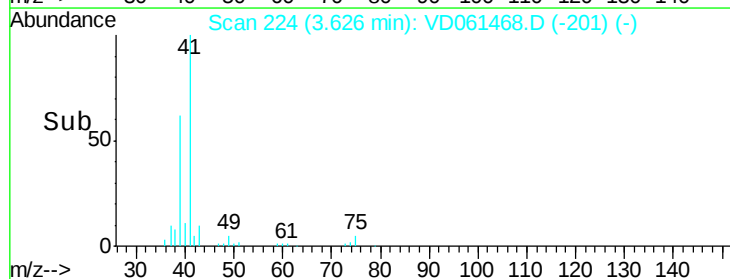
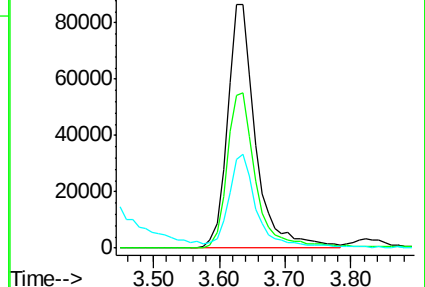
76 36.3 31.0 46.6

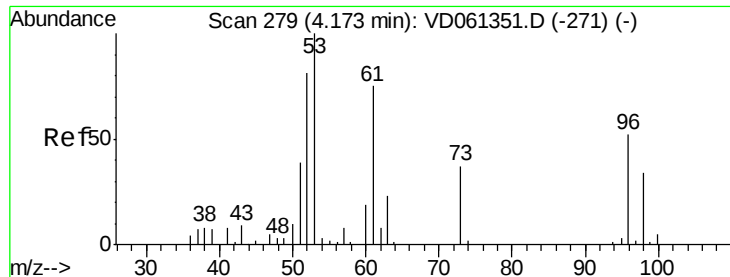


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.326 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleID :

VD0401SBS01

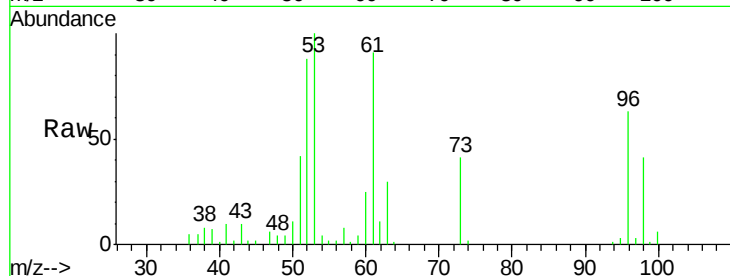
Tot Ion: 53 Resp: 139876

Ion Ratio Lower Upper

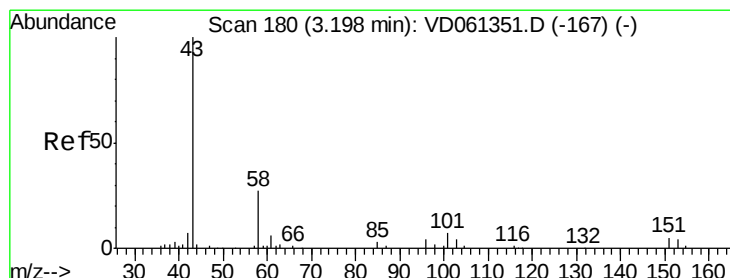
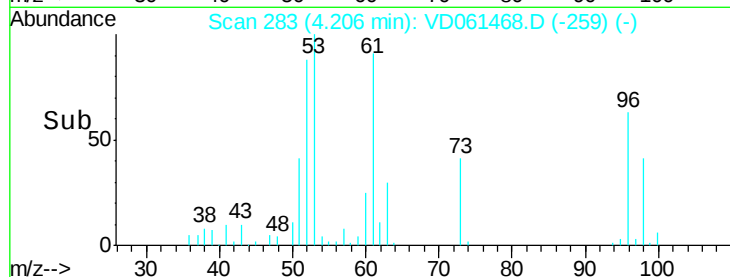
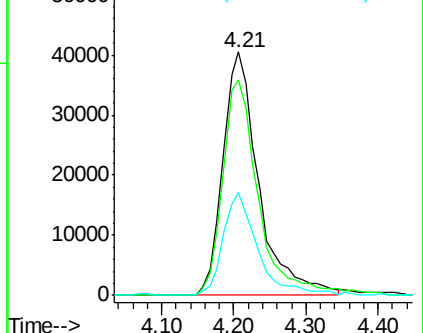
53 100

52 88.4 64.8 97.2

51 42.4 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.957 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061468.D

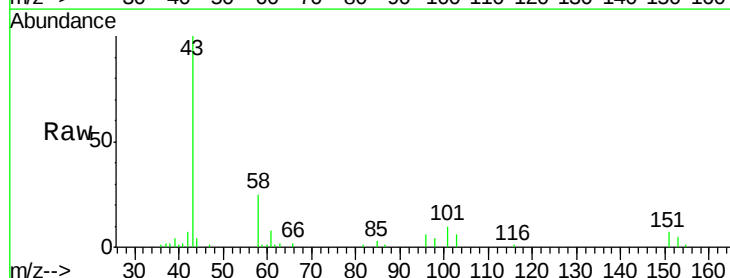
Acq: 1 Apr 2019 15:04

Tgt Ion: 43 Resp: 162385

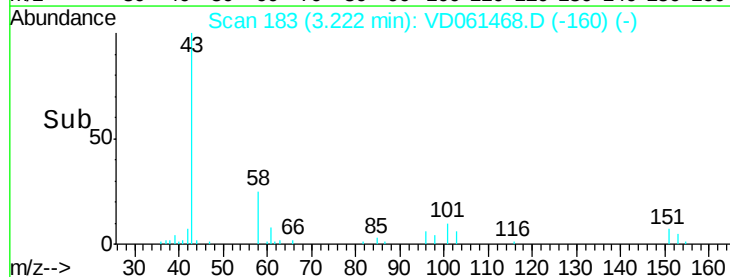
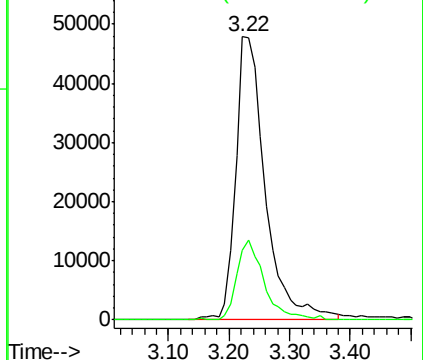
Ion Ratio Lower Upper

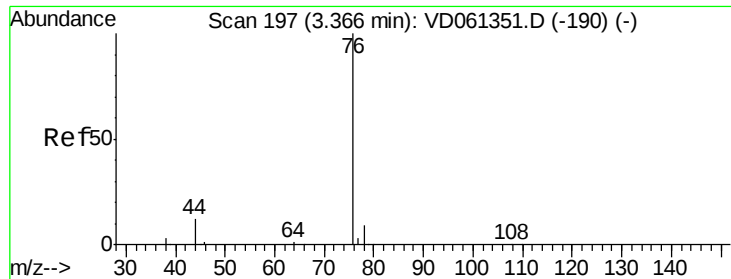
43 100

58 24.7 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

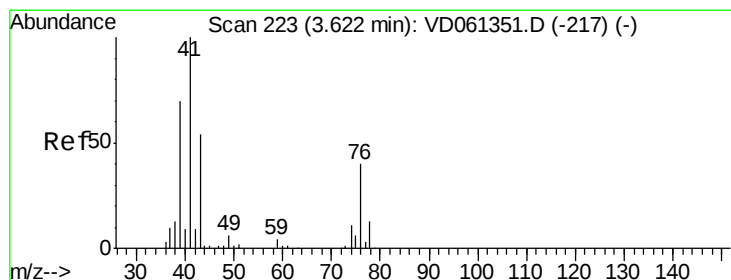
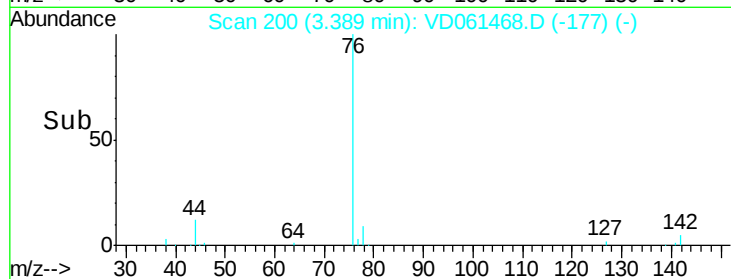
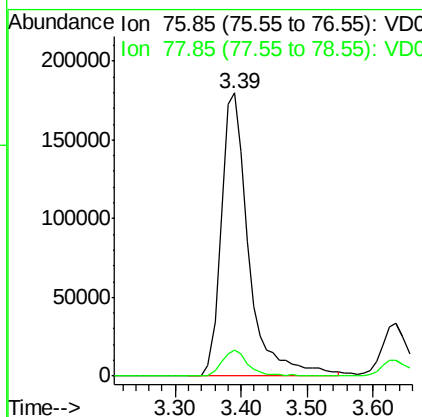
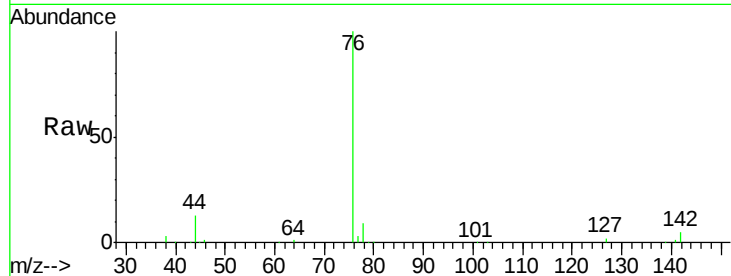




#17
Carbon Disulfide
Concen: 19.689 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

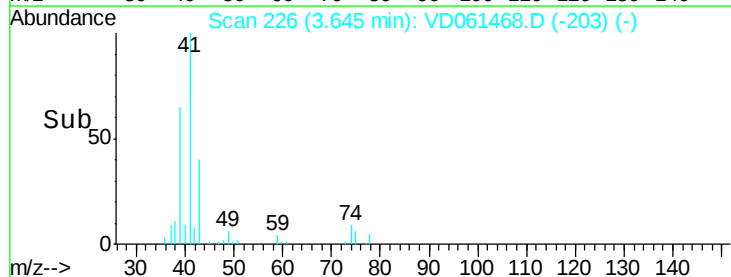
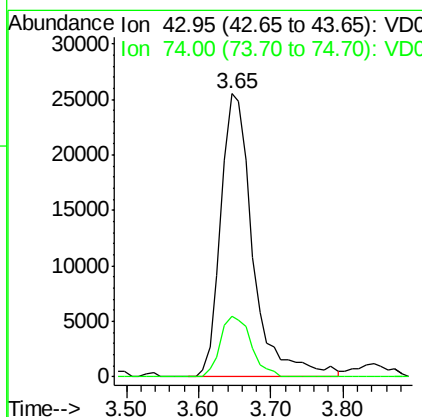
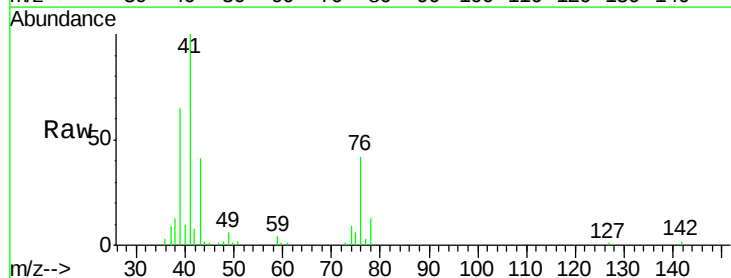
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

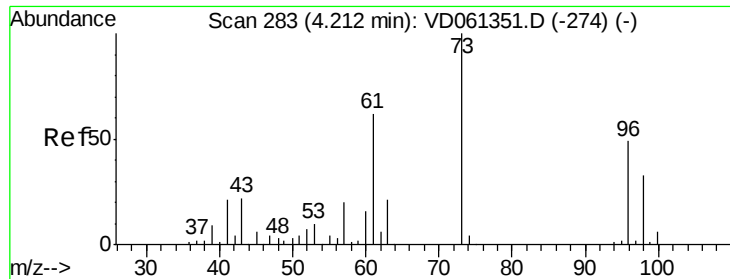
Tot Ion: 76 Resp: 523691
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 22.465 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 43 Resp: 79108
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1

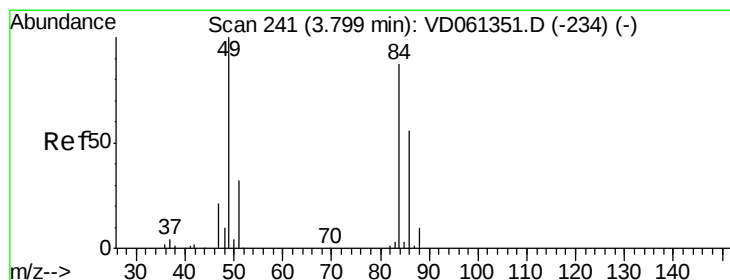
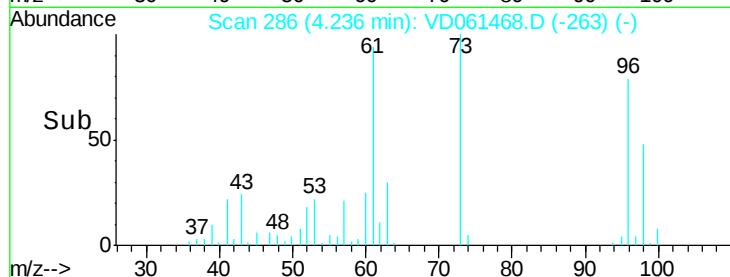
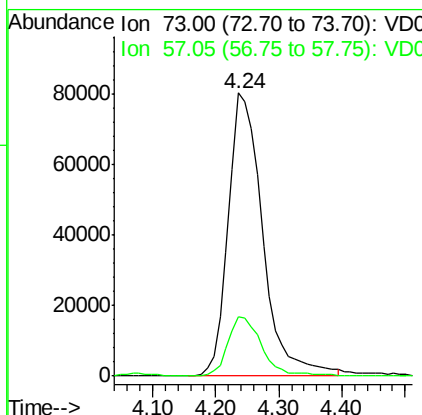
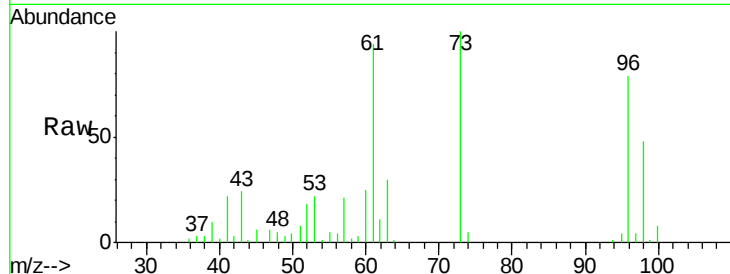




#19
Methvl tert-butvl Ether
Concen: 21.488 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

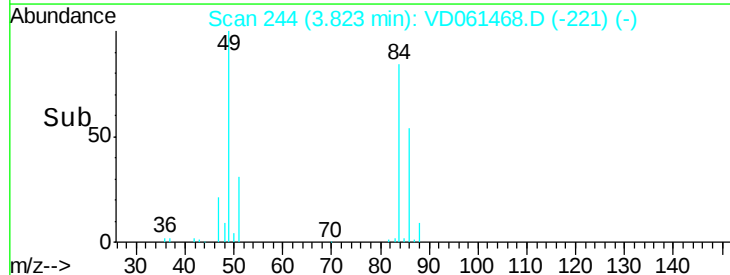
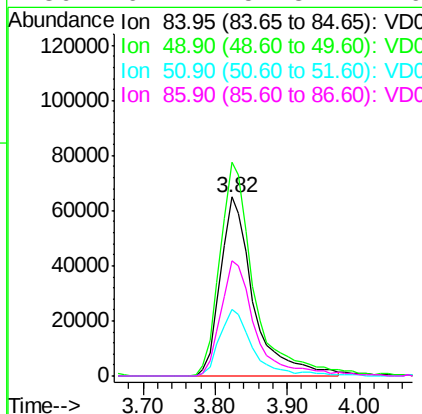
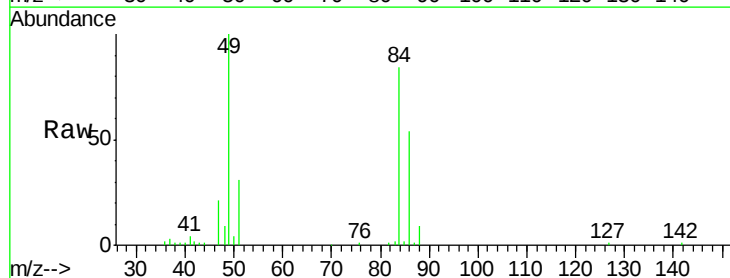
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

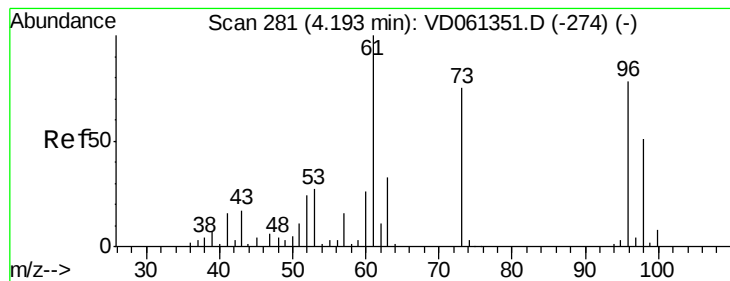
Tot Ion: 73 Resp: 304493
Ion Ratio Lower Upper
73 100
57 20.8 16.4 24.6



#20
Methylene Chloride
Concen: 20.859 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 84 Resp: 206208
Ion Ratio Lower Upper
84 100
49 119.5 91.8 137.8
51 37.3 29.8 44.8
86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.701 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

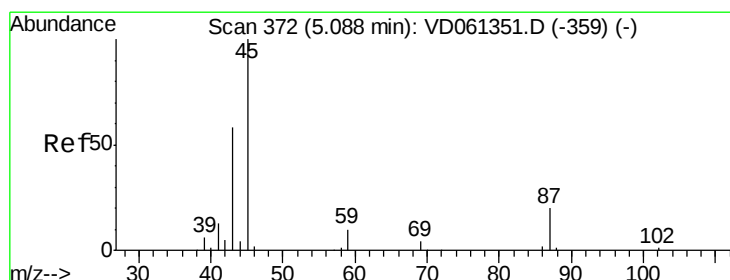
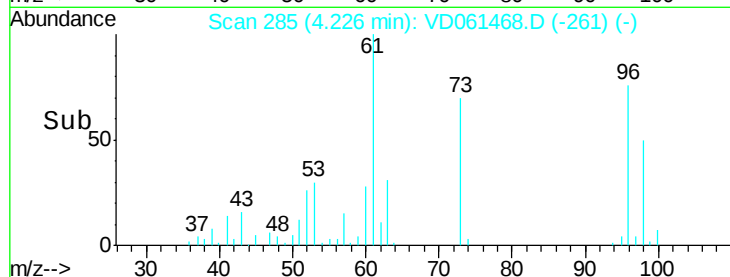
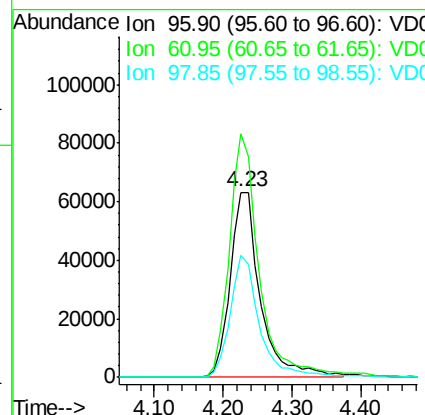
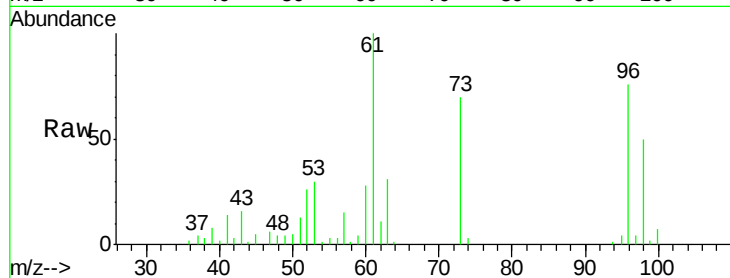
Tot Ion: 96 Resp: 191799

Ion Ratio Lower Upper

96 100

61 131.5 102.7 154.1

98 65.8 52.2 78.4



#22

Diisopropyl ether

Concen: 21.718 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Tgt Ion: 45 Resp: 524759

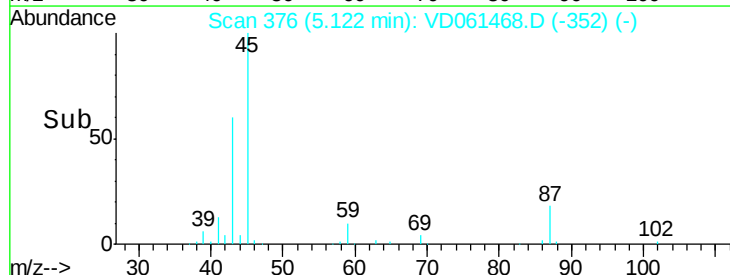
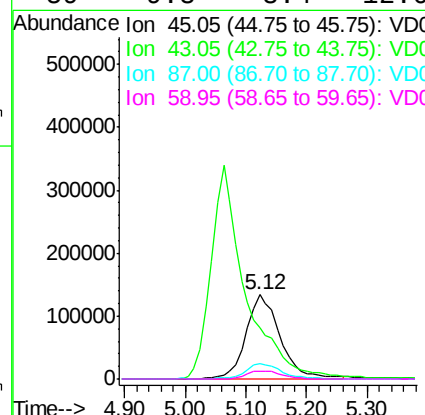
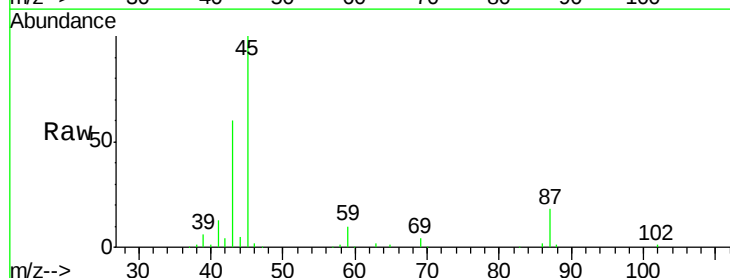
Ion Ratio Lower Upper

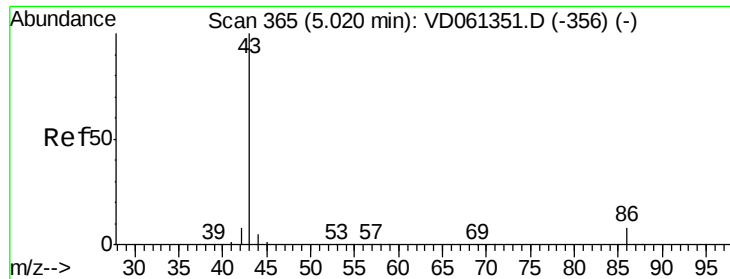
45 100

43 60.4 47.4 71.2

87 17.7 16.3 24.5

59 9.8 8.4 12.6





#23

Vinyl Acetate

Concen: 100.358 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

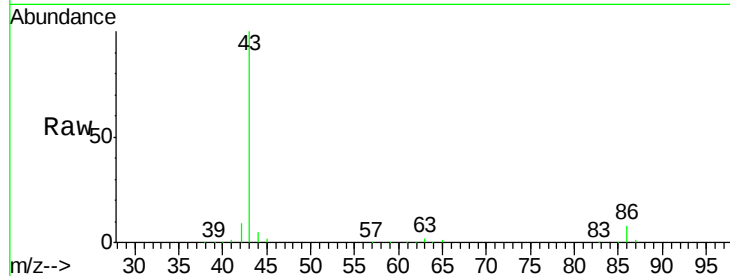
MSVOA_D

ClientSampleId :

VD0401SBS01

Tot Ion: 43 Resp: 1317187

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.7	10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

300000

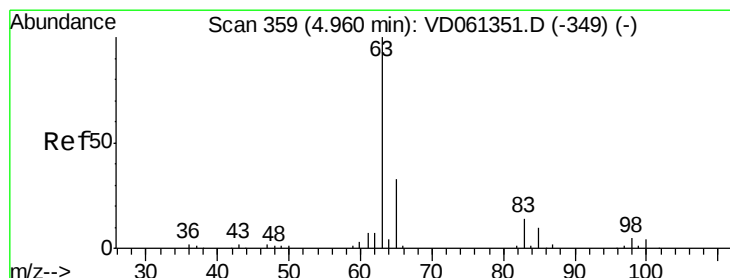
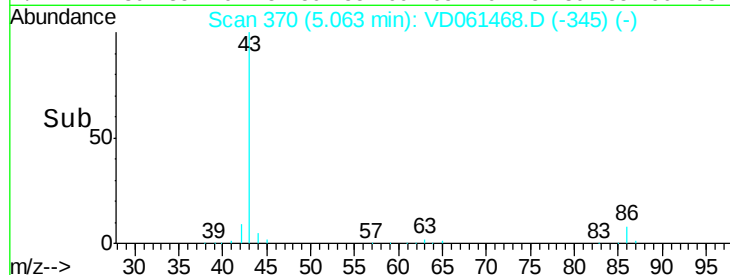
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 20.785 ug/l

RT: 4.99 min Scan# 363

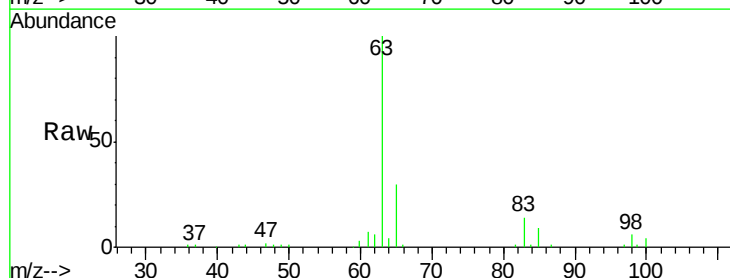
Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Tgt Ion: 63 Resp: 295144

Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.6	8.0
100	3.9	1.8	5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

100000

80000

60000

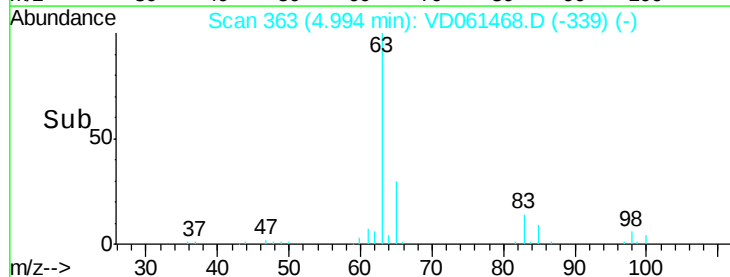
40000

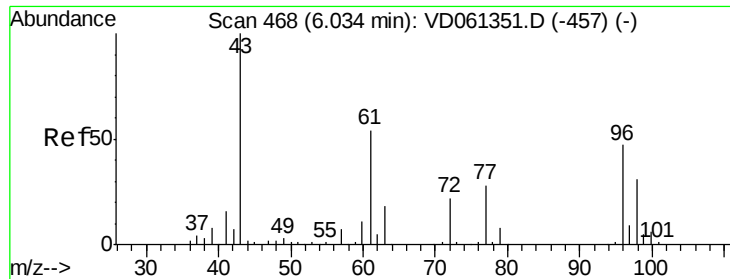
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 97.890 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

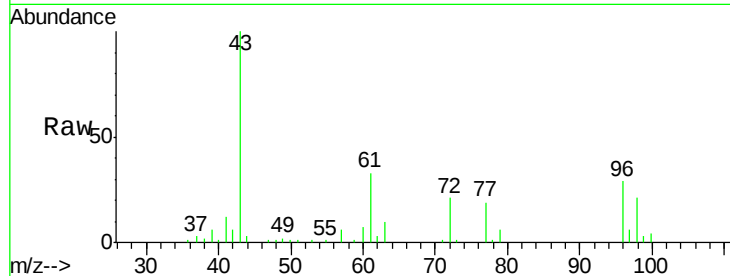
VD0401SBSD01

Tot Ion: 43 Resp: 206232

Ion Ratio Lower Upper

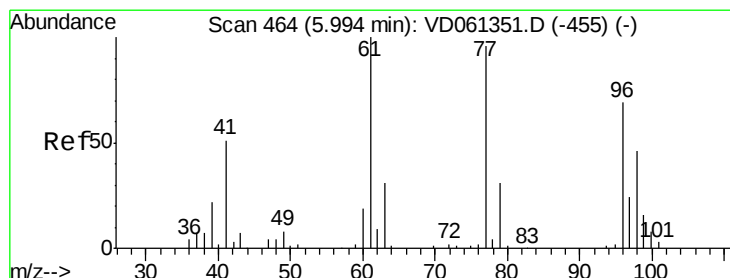
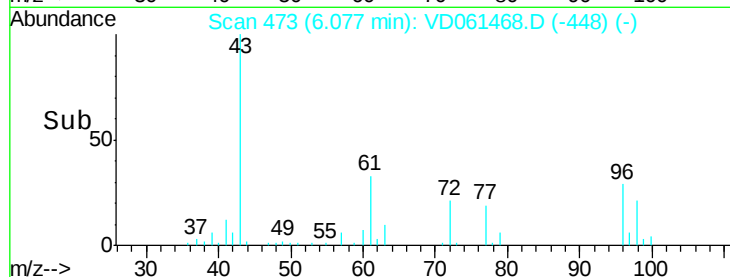
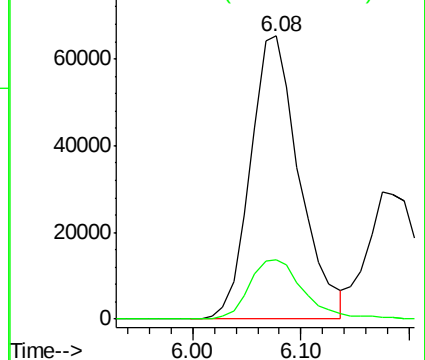
43 100

72 21.1 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.241 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD061468.D

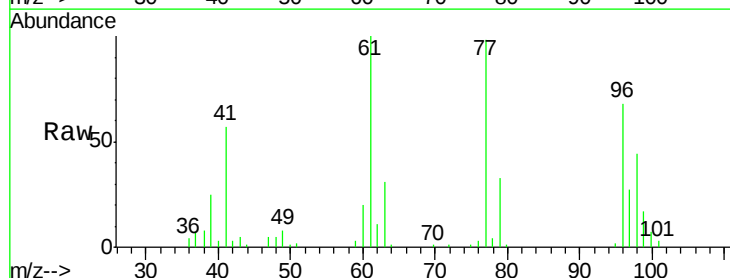
Acq: 1 Apr 2019 15:04

Tgt Ion: 77 Resp: 228481

Ion Ratio Lower Upper

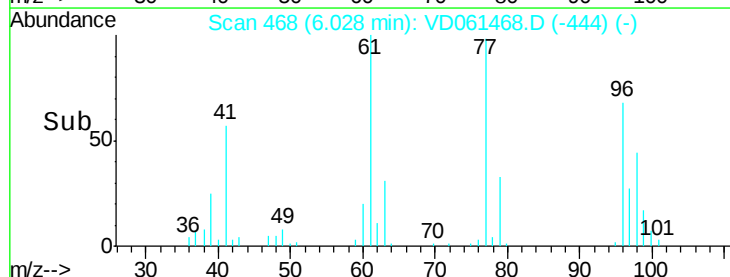
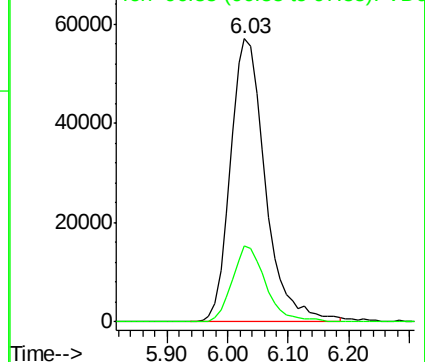
77 100

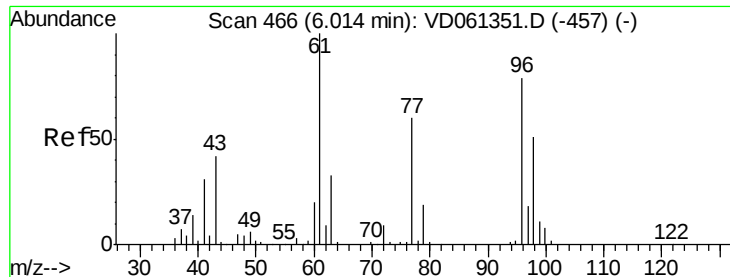
97 27.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



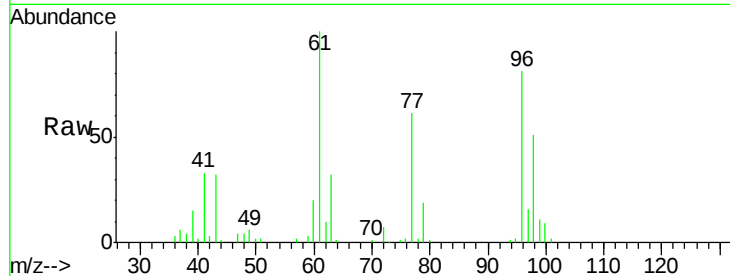


#27

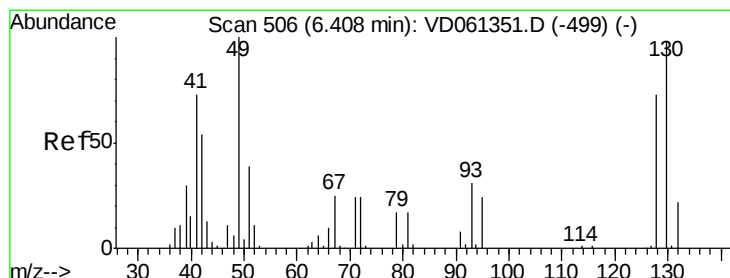
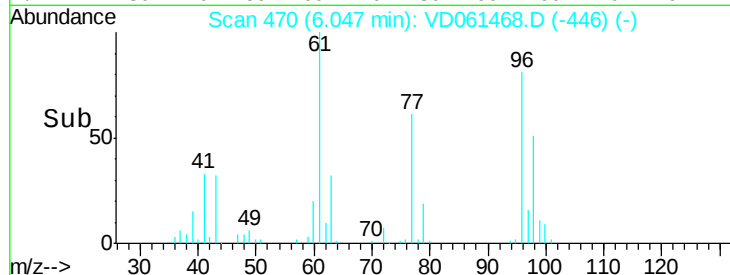
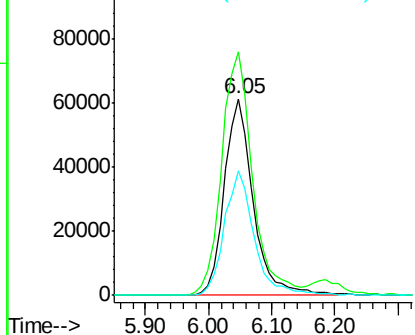
cis-1,2-Dichloroethene
 Concen: 20.075 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.9	0.0	251.6
98	63.3	0.0	129.2



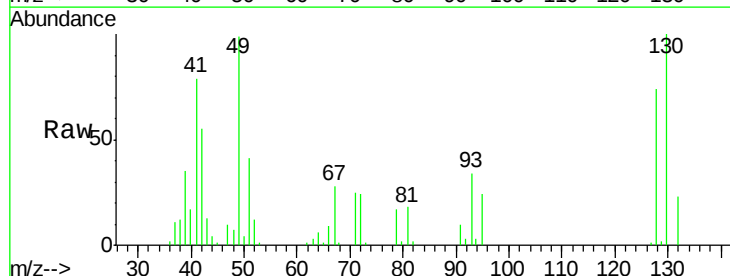
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



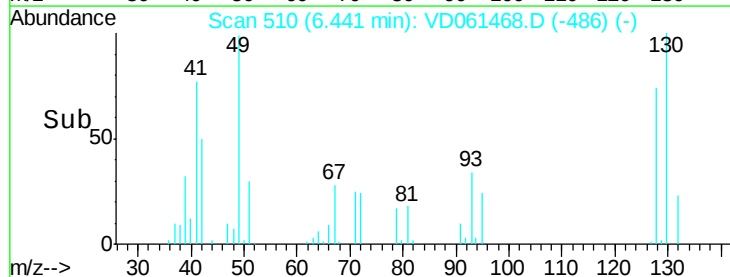
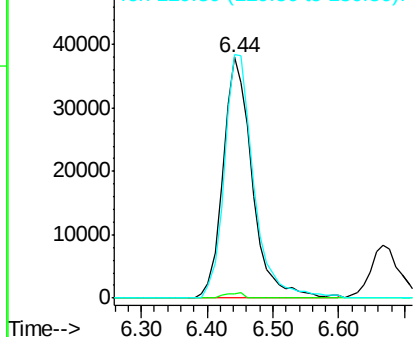
#28

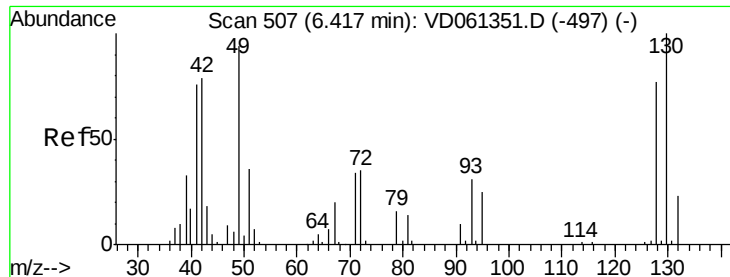
Bromochloromethane
 Concen: 20.559 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	101.2	78.4	117.6



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

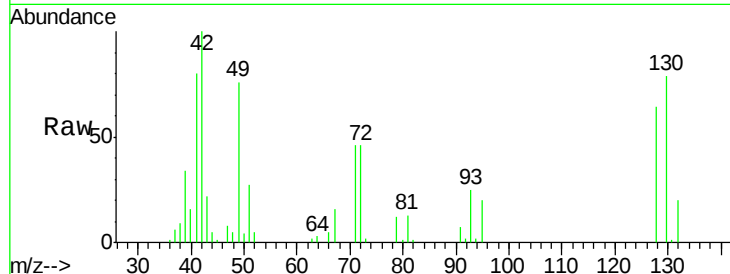




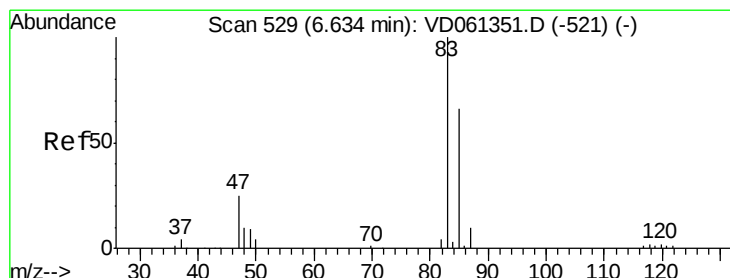
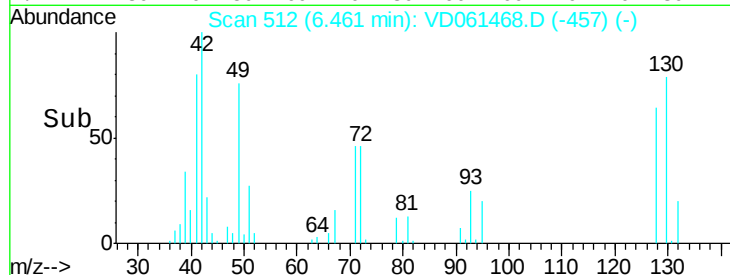
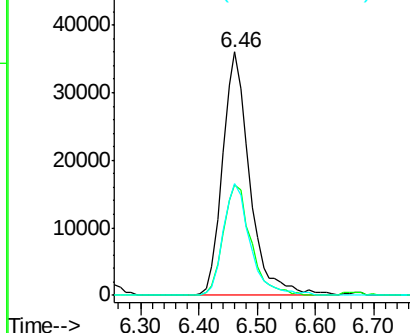
#29
Tetrahydrofuran
Concen: 113.867 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VD0401SBS01

Tot Ion: 42 Resp: 116275
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 45.5 36.7 55.1

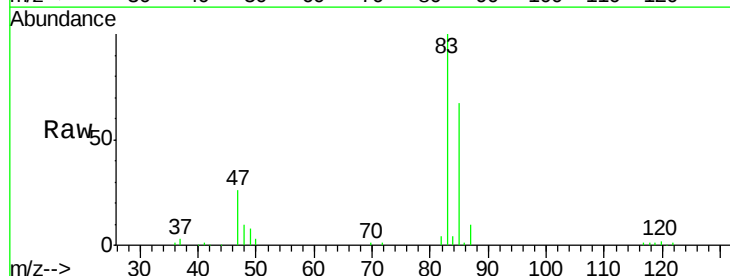


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

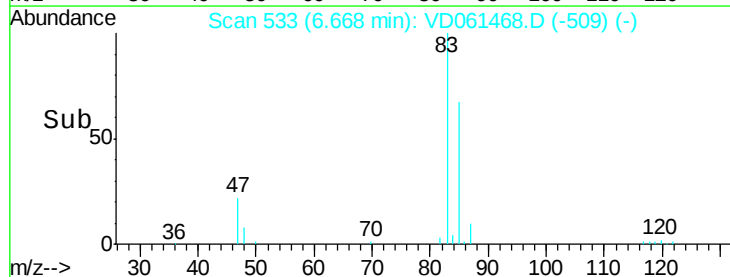
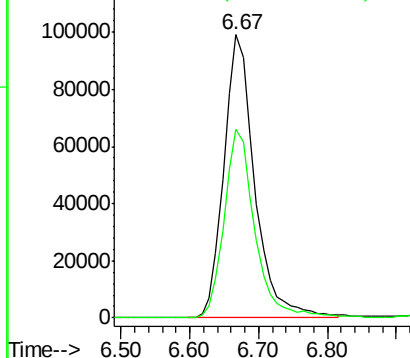


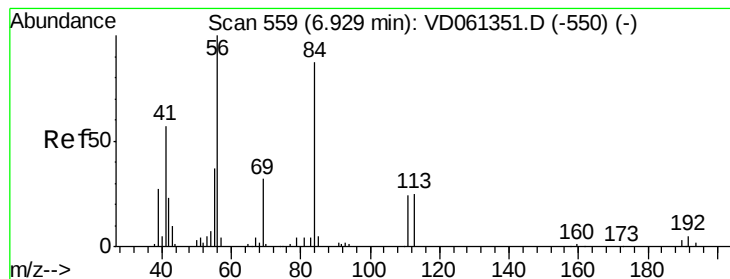
#30
Chloroform
Concen: 20.963 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 83 Resp: 307580
Ion Ratio Lower Upper
83 100
85 66.7 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 21.971 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

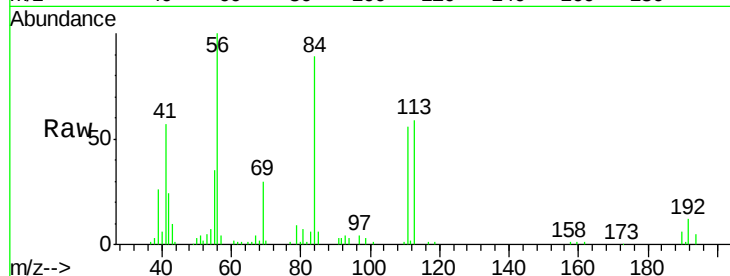
Tot Ion: 56 Resp: 246549

Ion Ratio Lower Upper

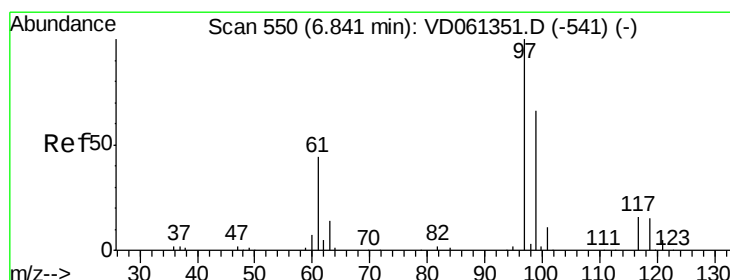
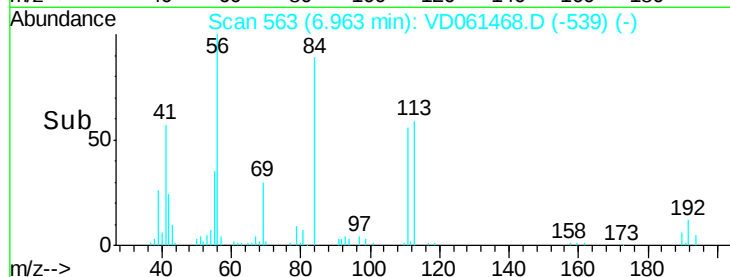
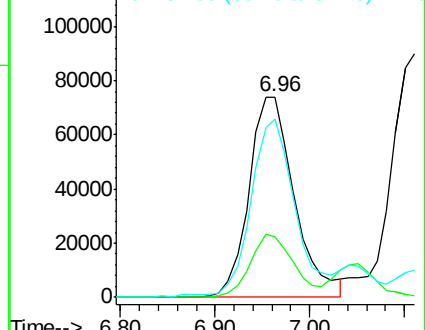
56 100

69 30.3 25.7 38.5

84 88.9 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 21.468 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

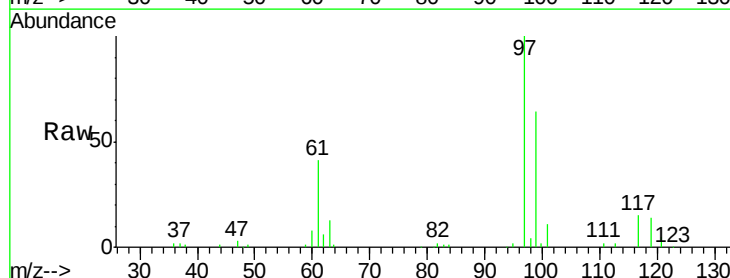
Tgt Ion: 97 Resp: 277896

Ion Ratio Lower Upper

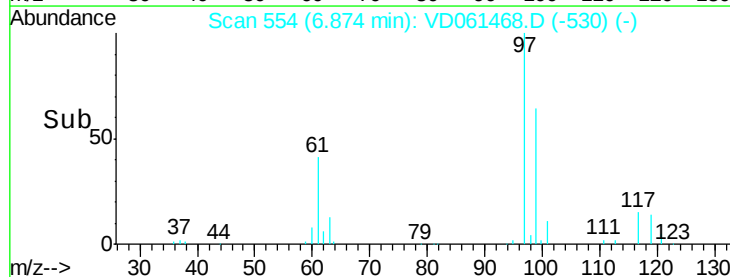
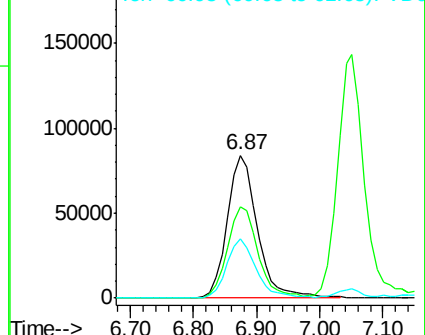
97 100

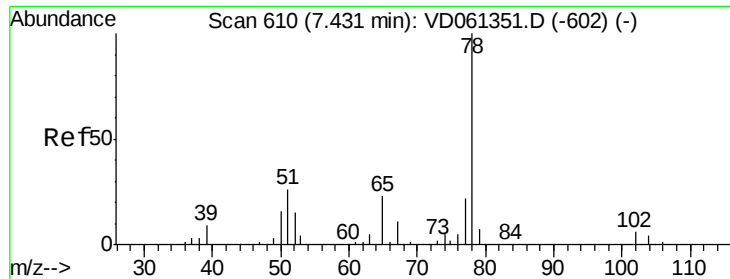
99 64.2 53.1 79.7

61 41.0 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 21.468 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

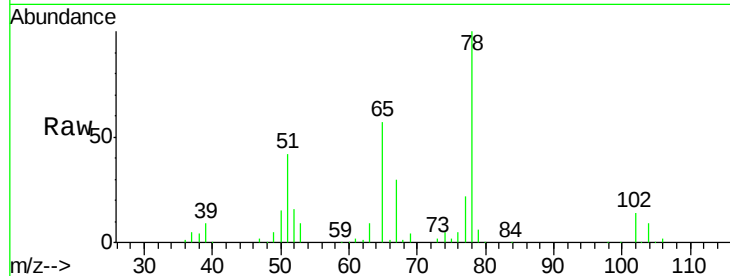
VD0401SBSD01

Tot Ion: 65 Resp: 327637

Ion Ratio Lower Upper

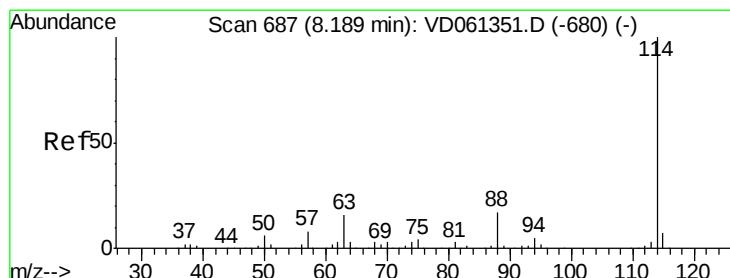
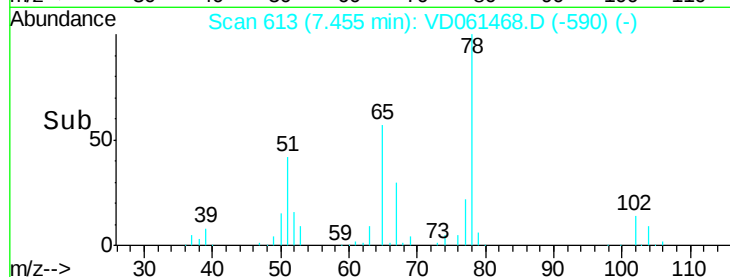
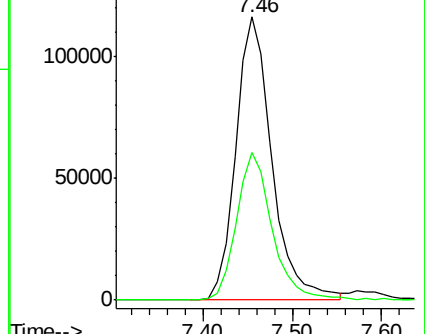
65 100

67 52.4 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

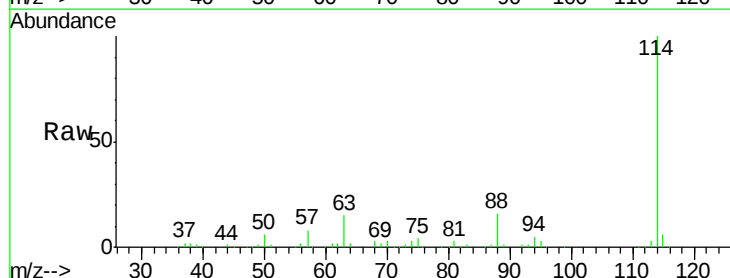
Tgt Ion: 114 Resp: 1269163

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.6

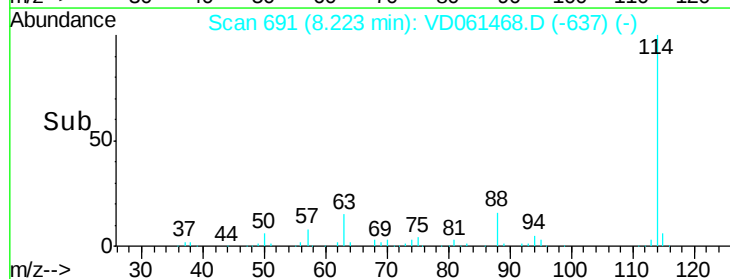
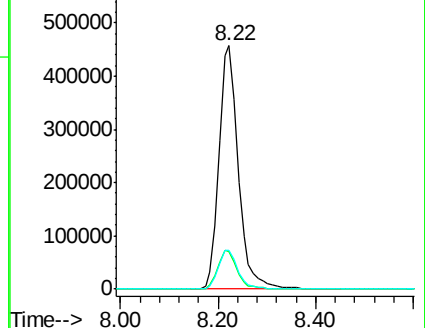
88 15.8 0.0 33.4

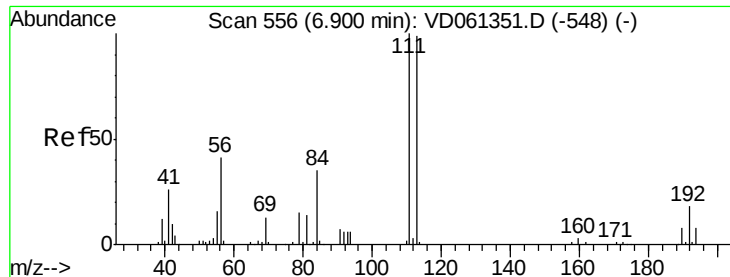


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

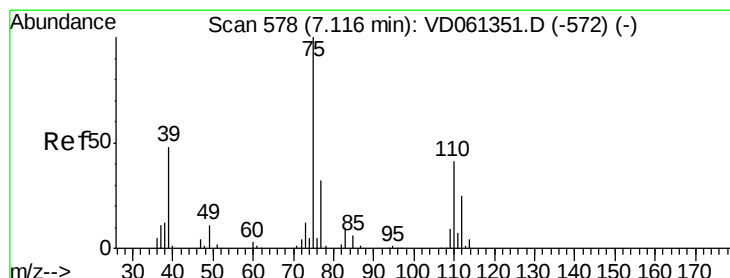
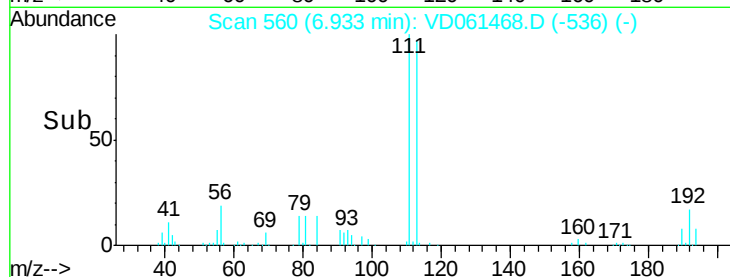
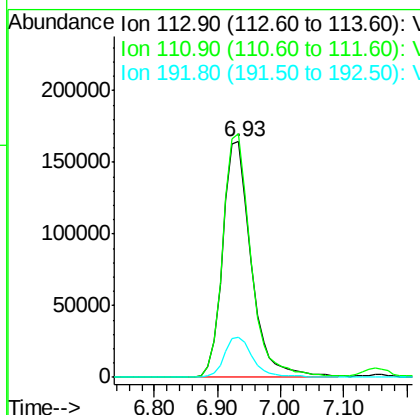
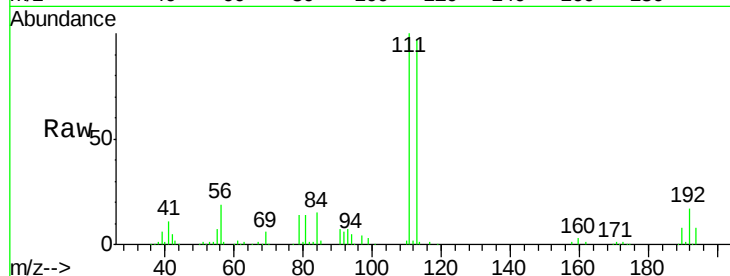




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

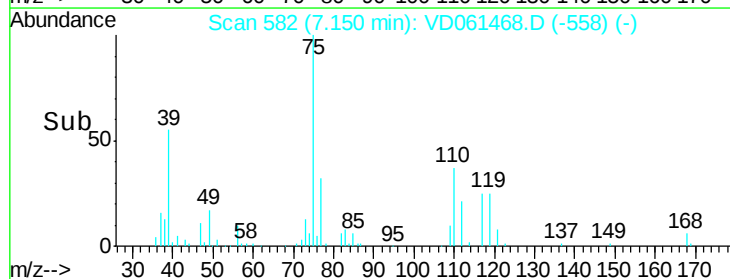
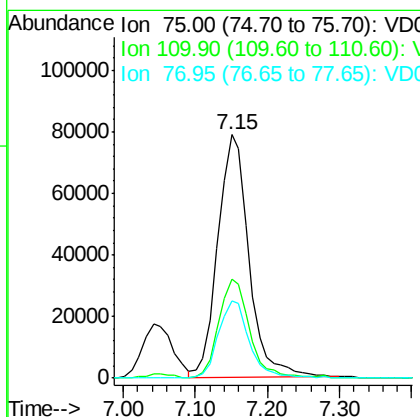
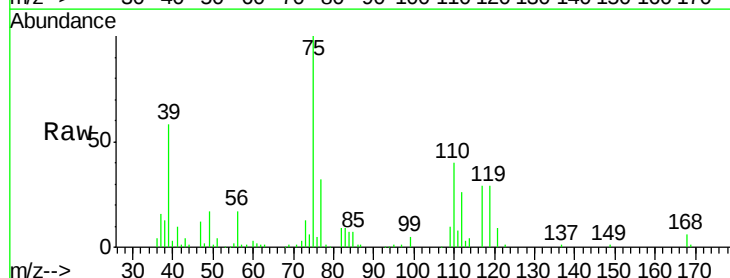
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

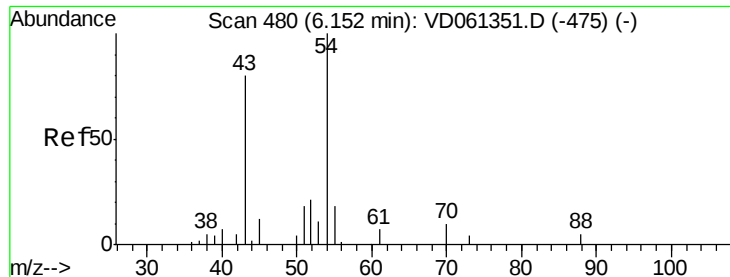
Tot Ion:113 Resp: 518343
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.0 121.6
 192 17.2 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 21.135 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion: 75 Resp: 234107
 Ion Ratio Lower Upper
 75 100
 110 40.5 20.4 61.3
 77 31.9 24.9 37.3

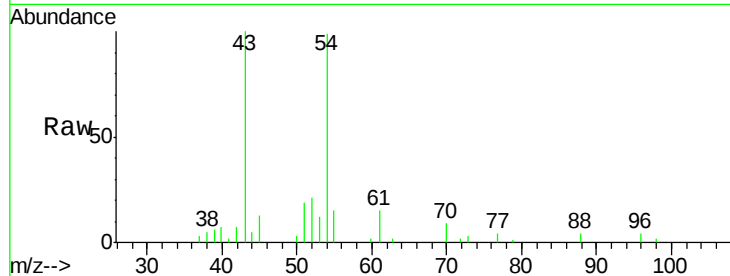




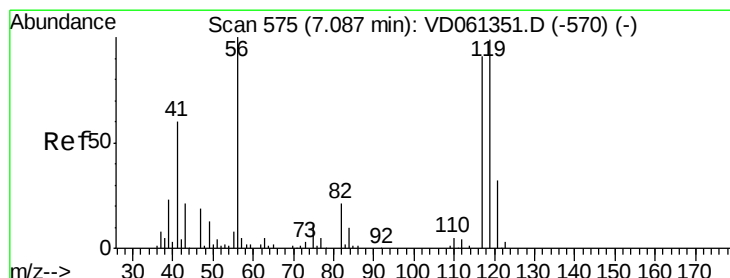
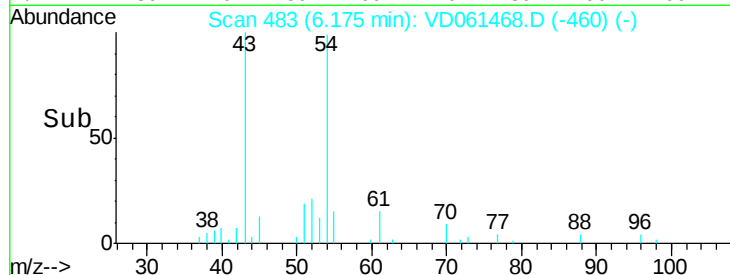
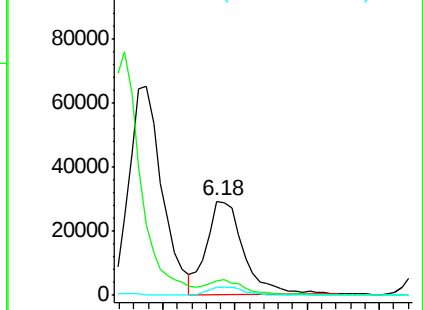
#37
Ethyl Acetate
Concen: 21.769 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleID :
VD0401SBSD01

Tot Ion: 43 Resp: 103126
Ion Ratio Lower Upper
43 100
61 15.4 13.8 20.8
70 8.8 7.8 11.8

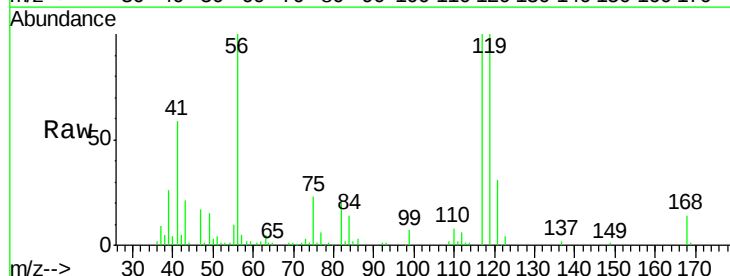


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

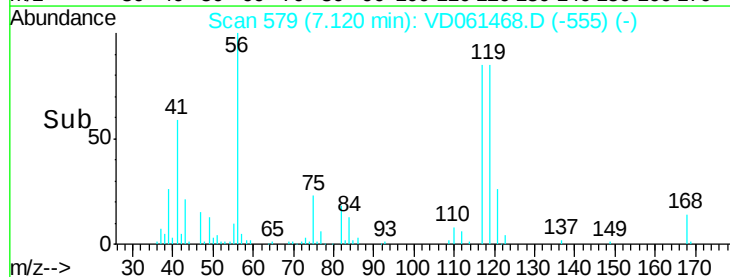
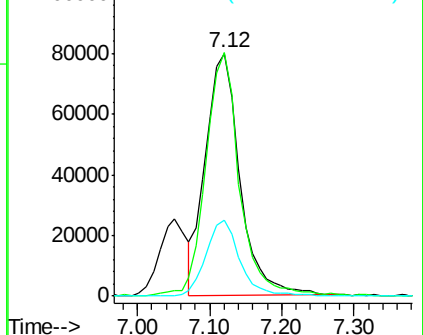


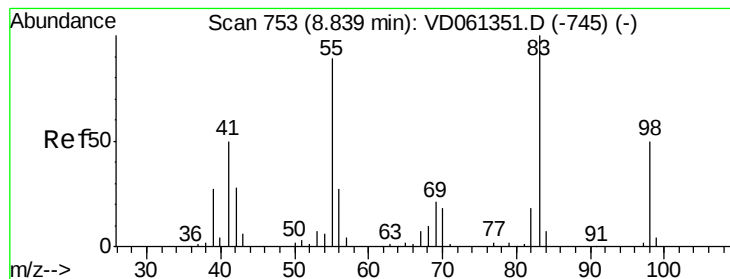
#38
Carbon Tetrachloride
Concen: 20.642 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 117 Resp: 262740
Ion Ratio Lower Upper
117 100
119 100.2 80.1 120.1
121 31.2 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 19.690 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

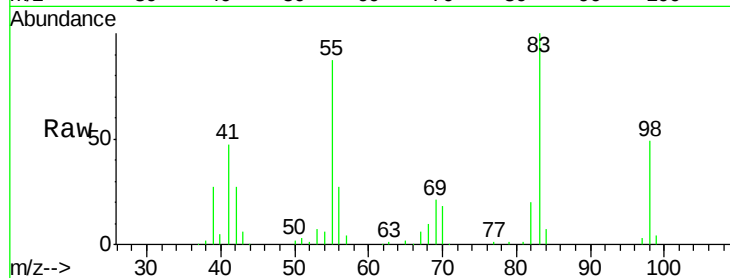
Tot Ion: 83 Resp: 227151

Ion Ratio Lower Upper

83 100

55 87.5 71.5 107.3

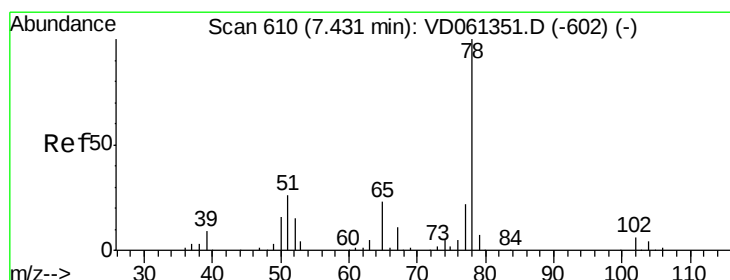
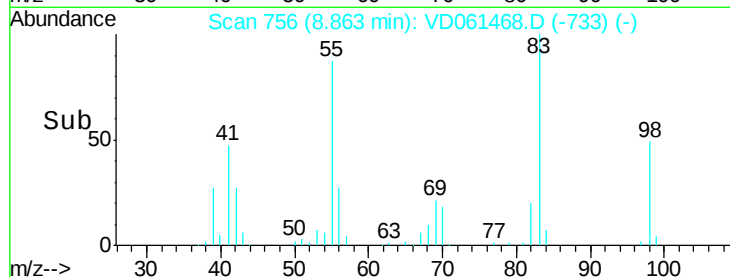
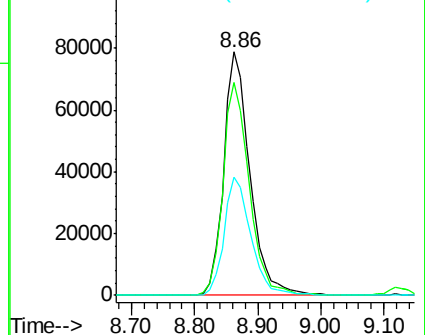
98 48.5 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.730 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061468.D

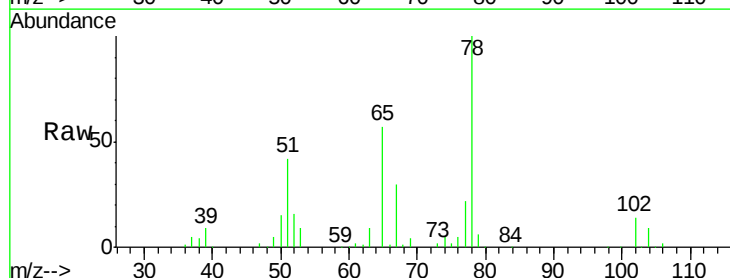
Acq: 1 Apr 2019 15:04

Tgt Ion: 78 Resp: 604105

Ion Ratio Lower Upper

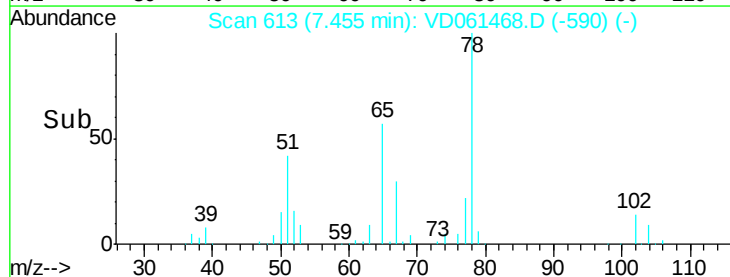
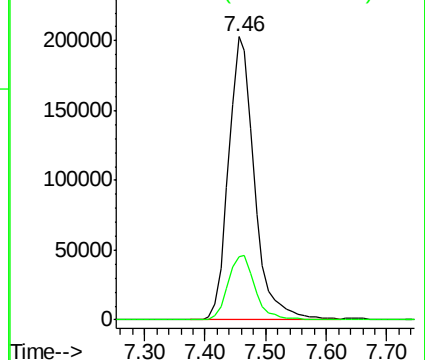
78 100

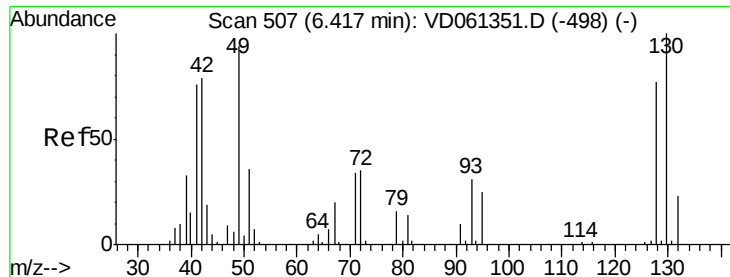
77 22.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

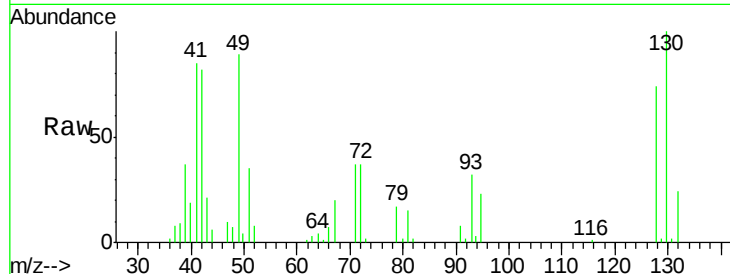




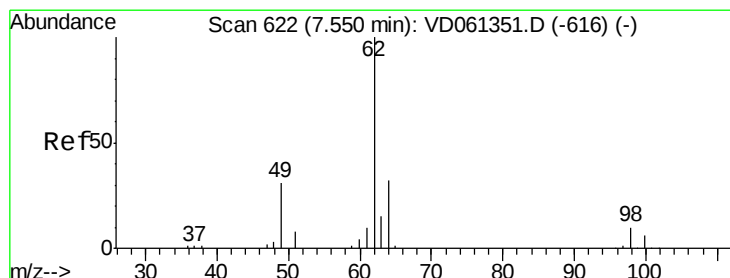
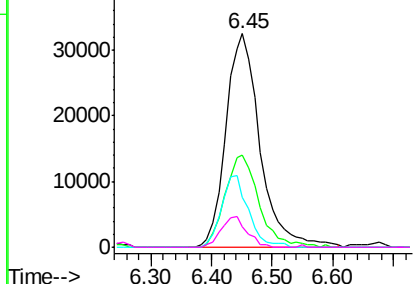
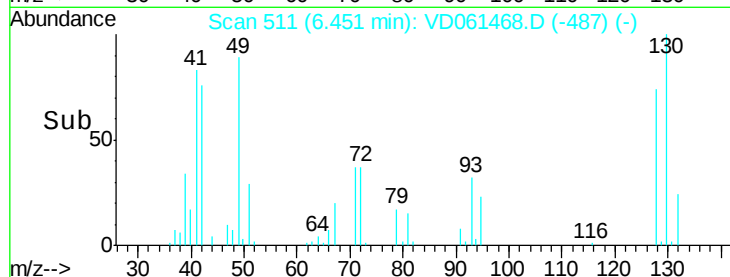
#41
Methacrylonitrile
Concen: 22.887 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

Tot Ion: 41 Resp: 126774
Ion Ratio Lower Upper
41 100
39 43.1 35.0 52.6
67 23.3 21.0 31.6
52 9.8 7.7 11.5

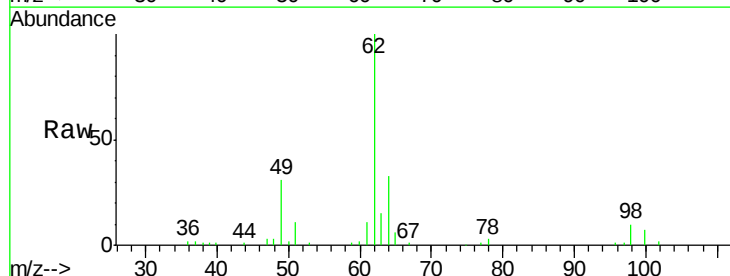


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

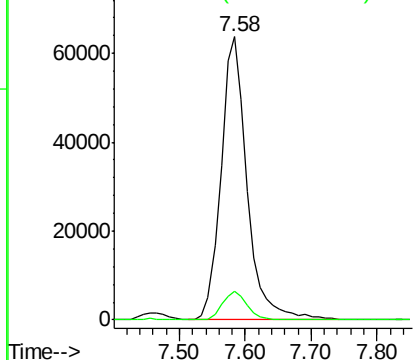
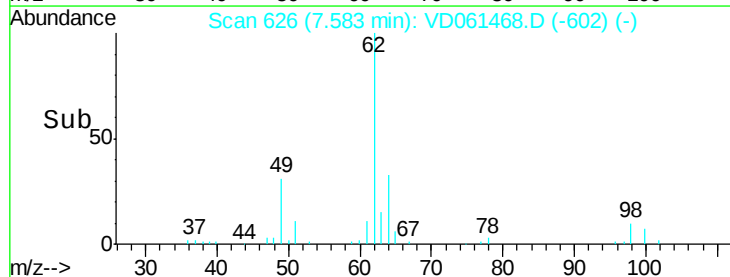


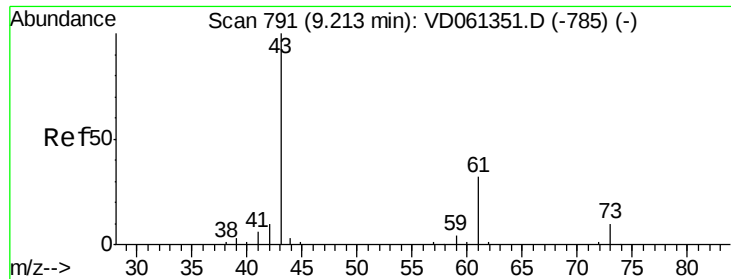
#42
1,2-Dichloroethane
Concen: 21.131 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 62 Resp: 175723
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.8



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



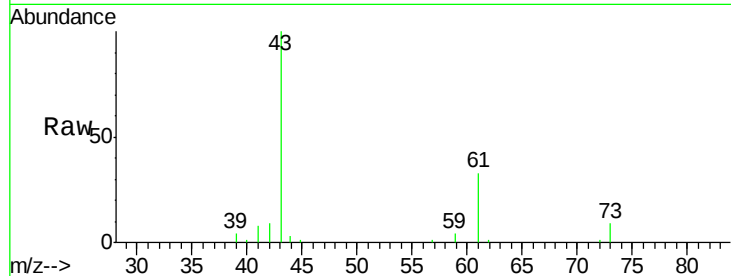


#43

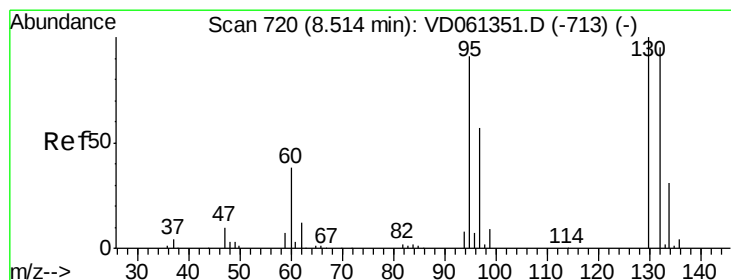
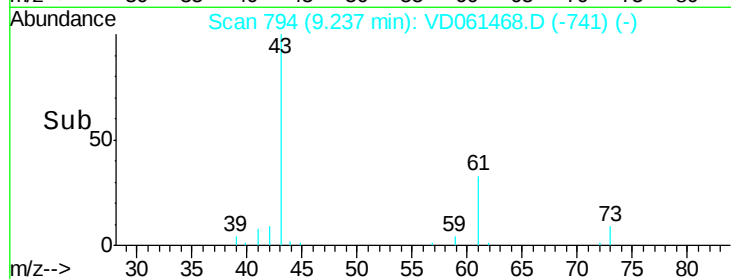
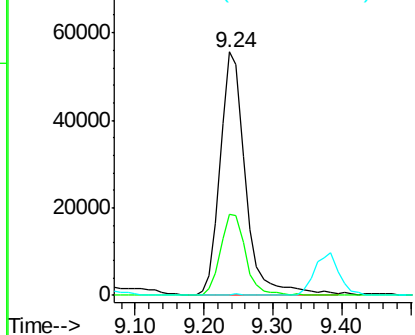
Isopropyl Acetate
 Concen: 20.629 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS01

Tot Ion: 43 Resp: 142190
 Ion Ratio Lower Upper
 43 100
 61 33.1 25.8 38.6
 87 0.0 0.0 0.0



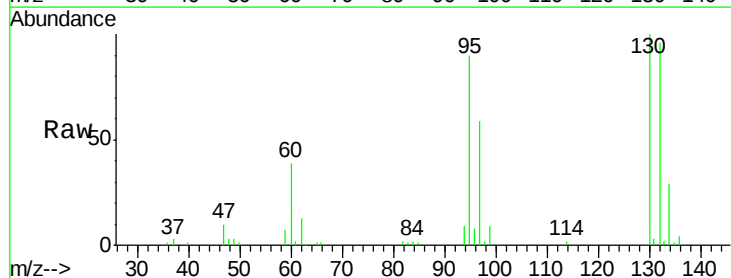
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



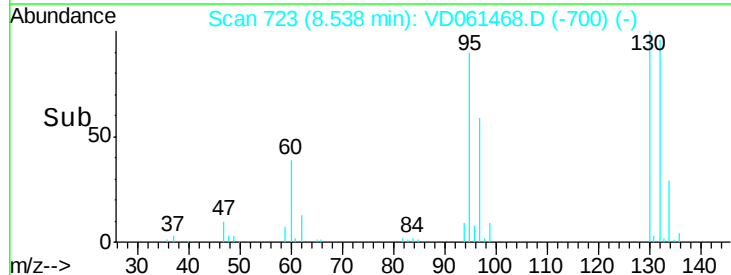
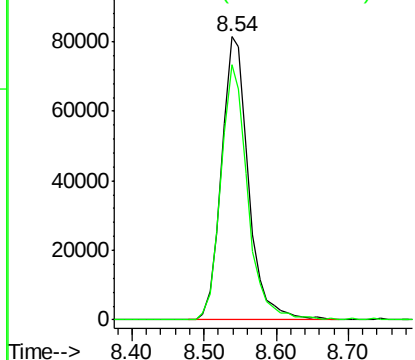
#44

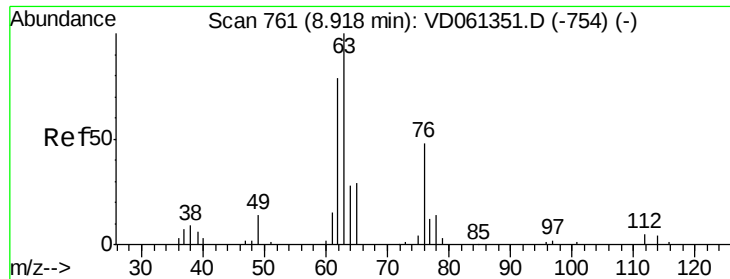
Trichloroethene
 Concen: 20.327 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion: 130 Resp: 210299
 Ion Ratio Lower Upper
 130 100
 95 90.2 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.126 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

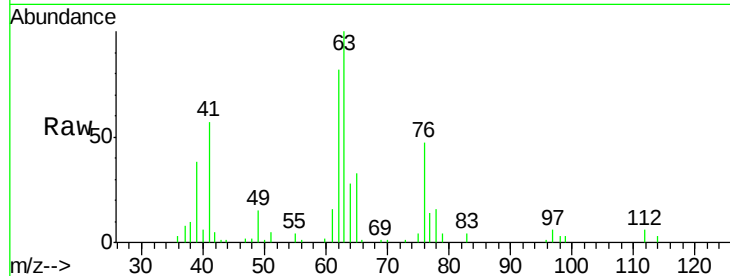
VD0401SBSD01

Tot Ion: 63 Resp: 155970

Ion Ratio Lower Upper

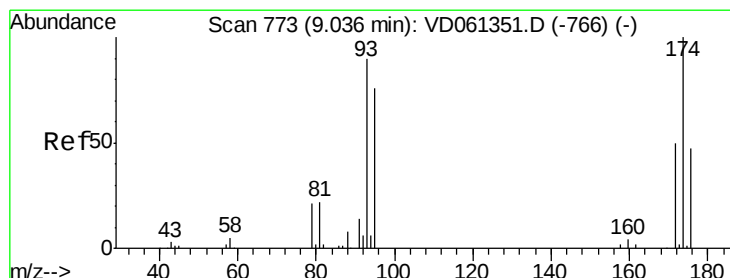
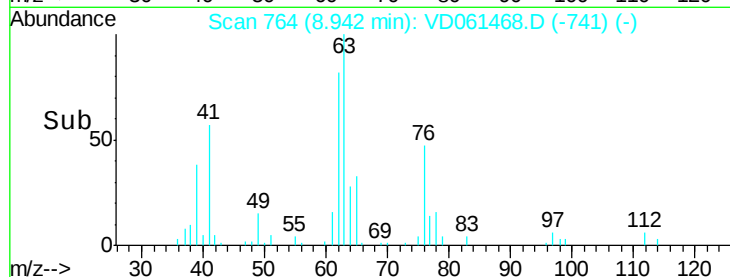
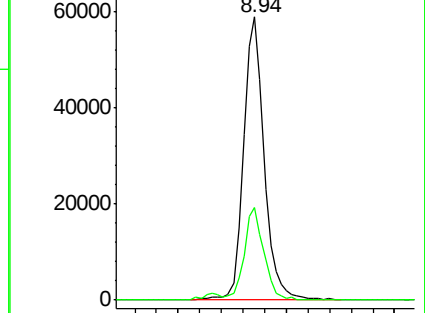
63 100

65 32.9 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.104 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

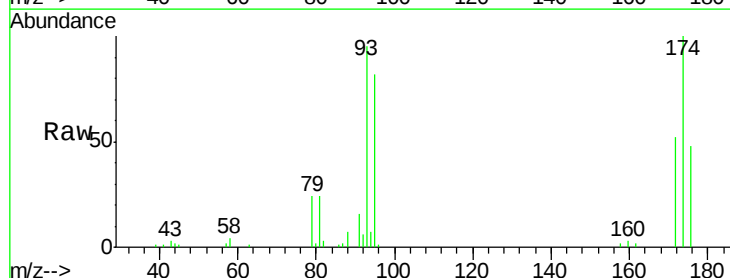
Tgt Ion: 93 Resp: 100133

Ion Ratio Lower Upper

93 100

95 87.1 67.4 101.0

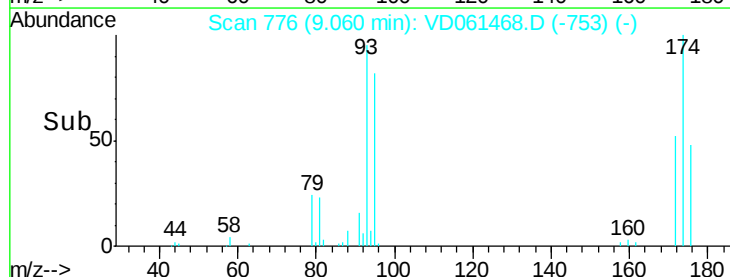
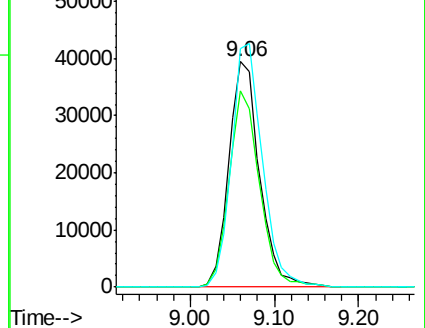
174 105.7 88.9 133.3

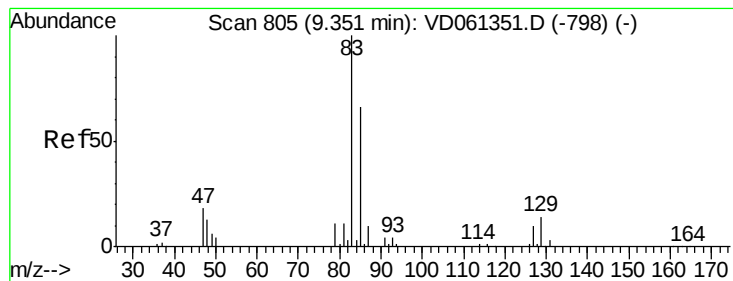


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.788 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

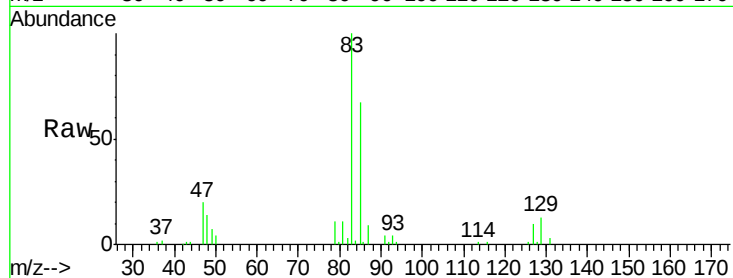
Tot Ion: 83 Resp: 232024

Ion Ratio Lower Upper

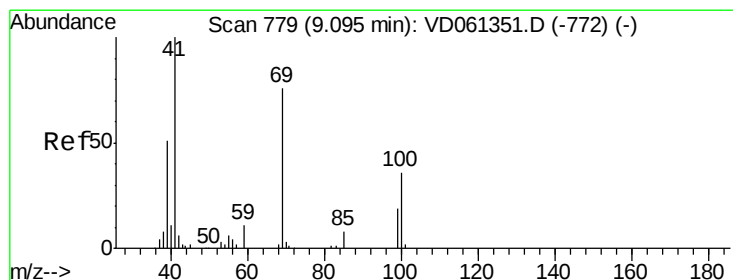
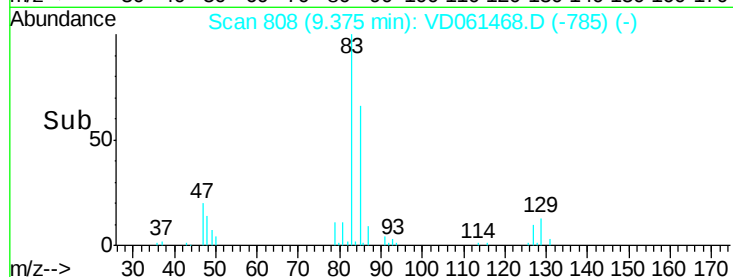
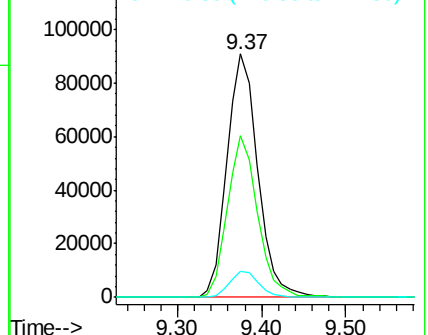
83 100

85 66.6 53.0 79.4

127 10.4 8.4 12.6



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



#48

Methyl methacrylate

Concen: 20.584 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

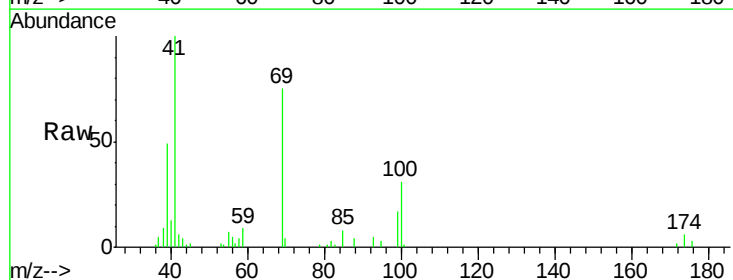
Tgt Ion: 41 Resp: 78303

Ion Ratio Lower Upper

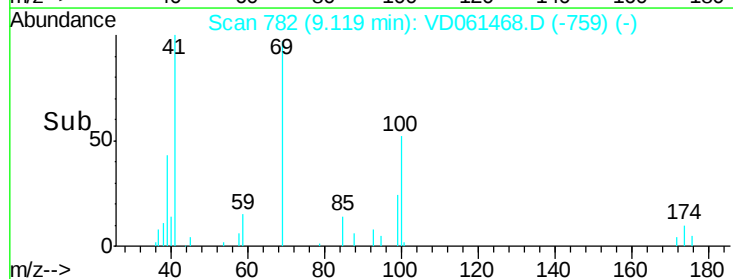
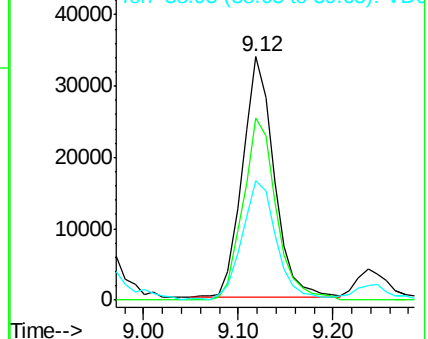
41 100

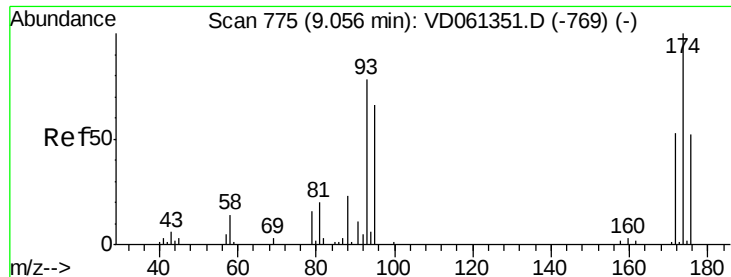
69 74.7 60.2 90.4

39 49.0 41.4 62.2



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

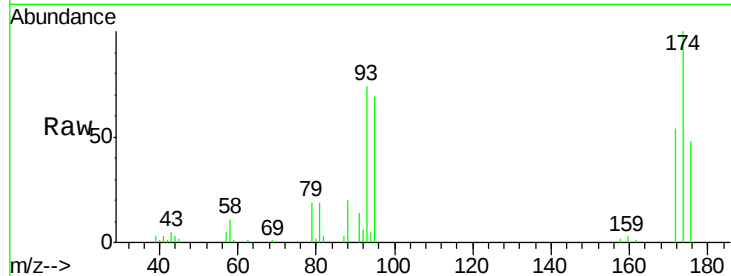




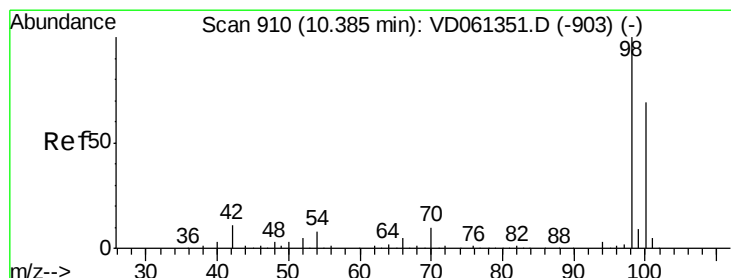
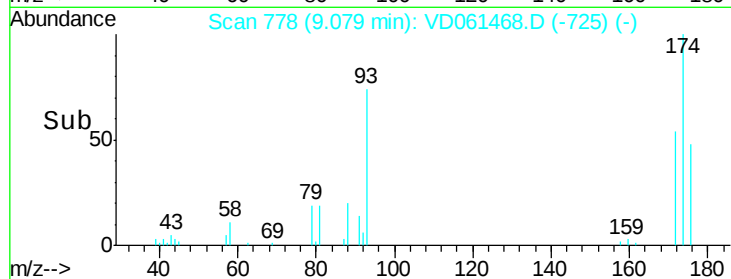
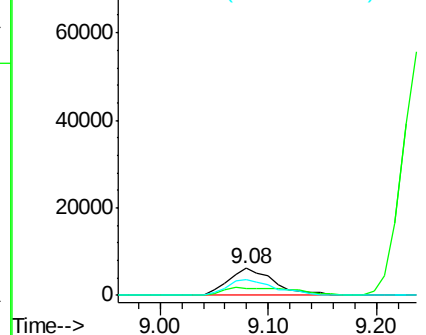
#49
1,4-Dioxane
Concen: 429.120 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

Tot Ion: 88 Resp: 18005
Ion Ratio Lower Upper
88 100
43 24.8 23.3 34.9
58 56.9 50.8 76.2

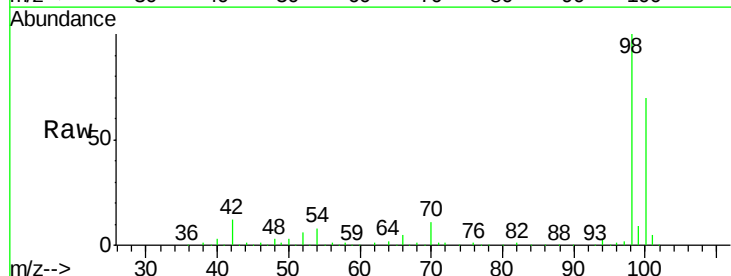


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

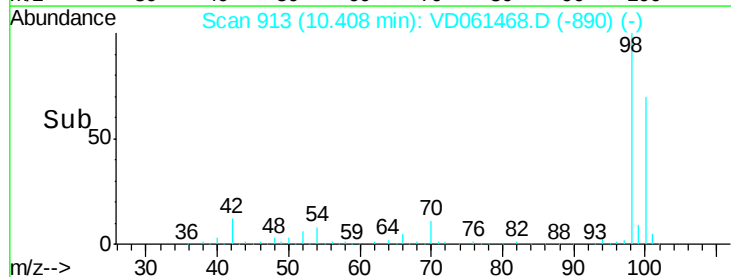
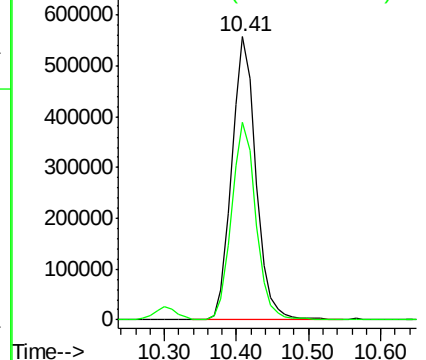


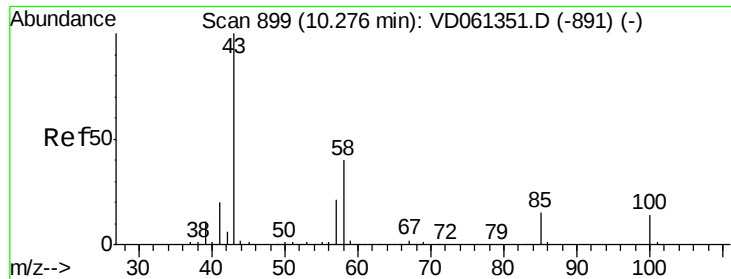
#50
Toluene-d8
Concen: 429.120 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 98 Resp: 1303646
Ion Ratio Lower Upper
98 100
100 69.8 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 105.706 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

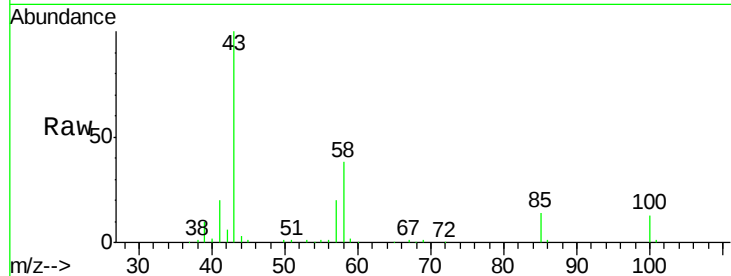
VD0401SBSD01

Tot Ion: 43 Resp: 443277

Ion Ratio Lower Upper

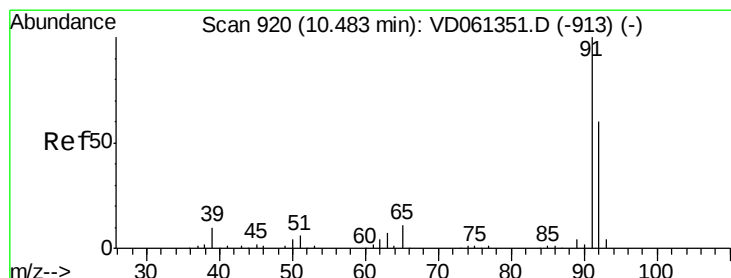
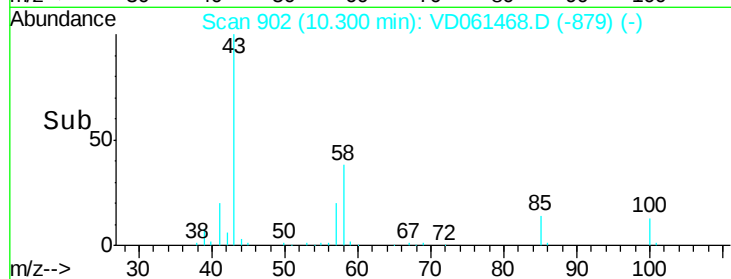
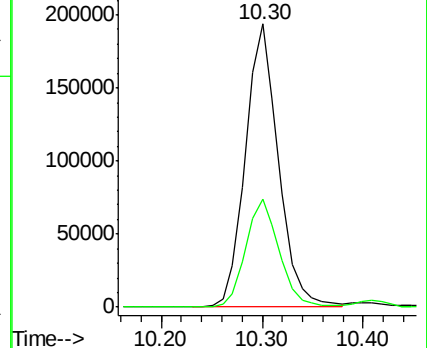
43 100

58 38.3 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.206 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061468.D

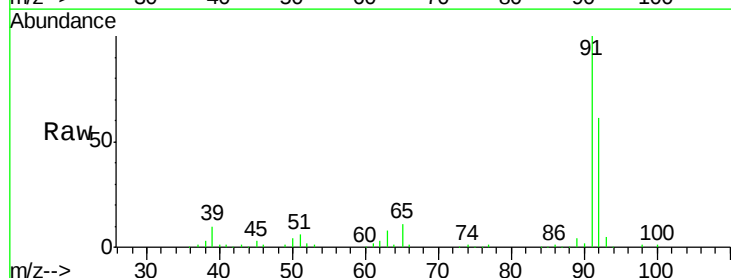
Acq: 1 Apr 2019 15:04

Tgt Ion: 92 Resp: 393580

Ion Ratio Lower Upper

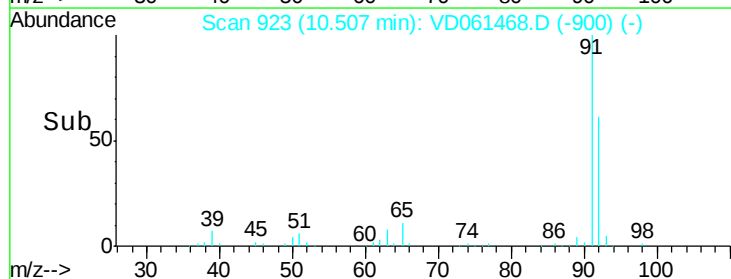
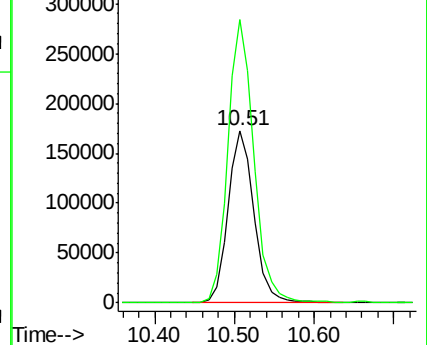
92 100

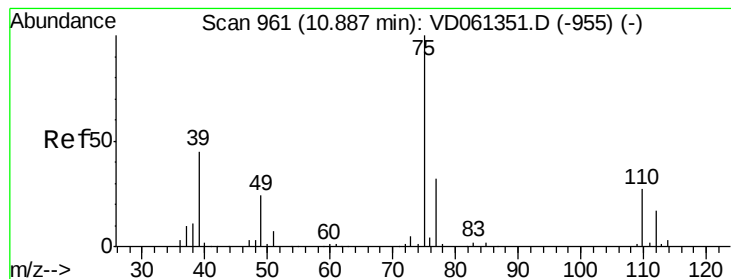
91 164.1 133.3 199.9



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: 20.967 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

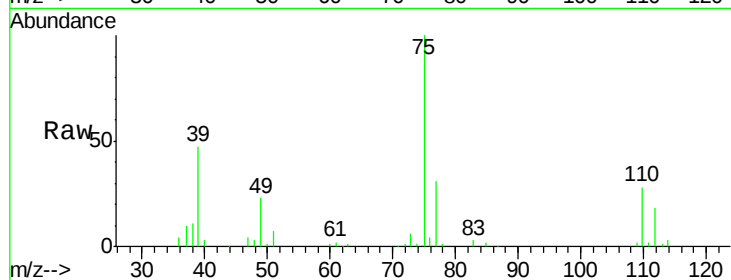
VD0401SBSD01

Tot Ion: 75 Resp: 202867

Ion Ratio Lower Upper

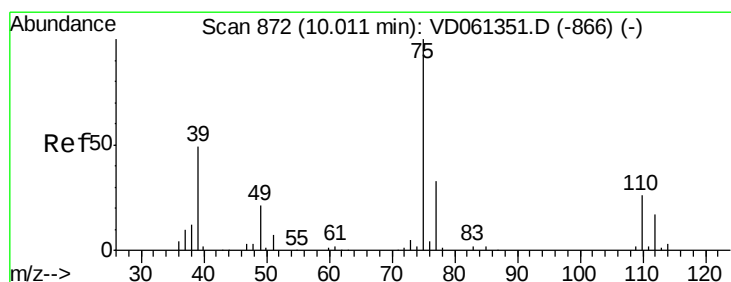
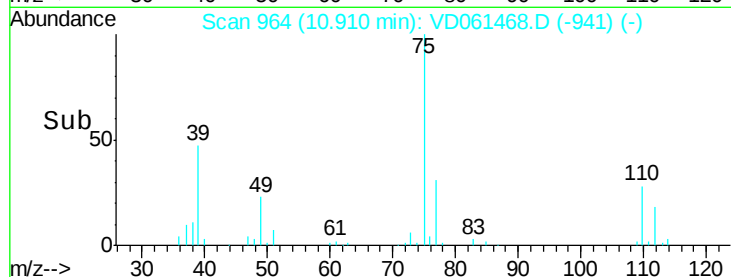
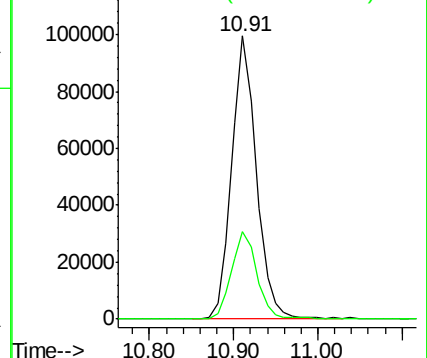
75 100

77 31.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.016 ug/l

RT: 10.03 min Scan# 875

Delta R.T. 0.02 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

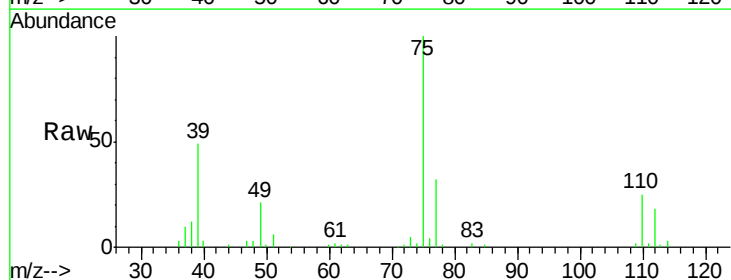
Tgt Ion: 75 Resp: 271163

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

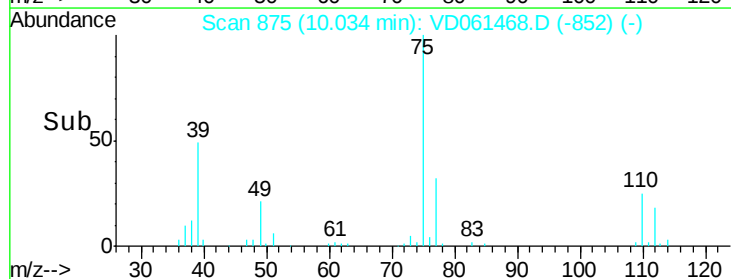
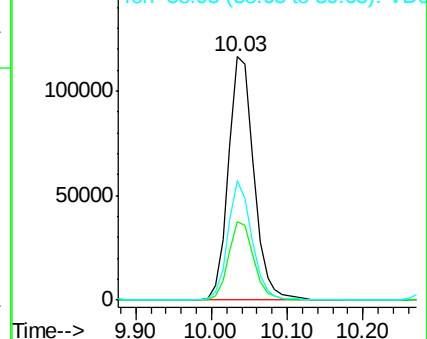
39 48.8 39.4 59.0

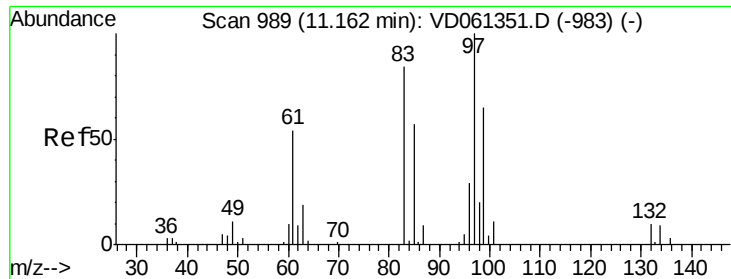


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

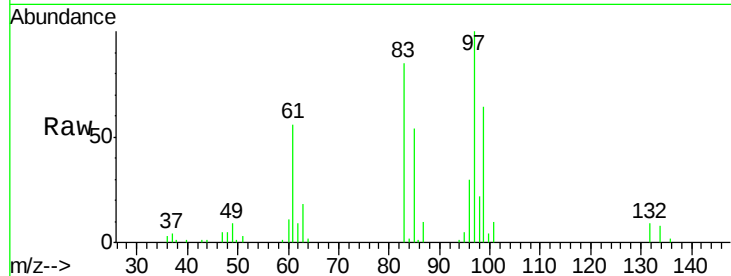




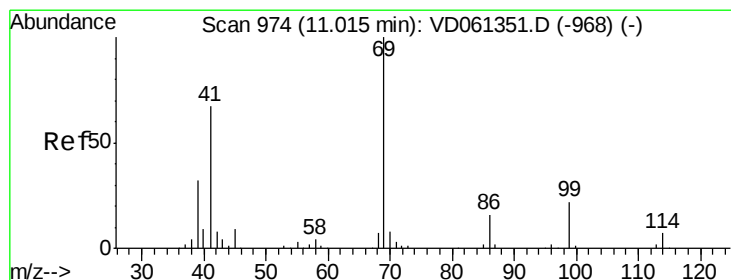
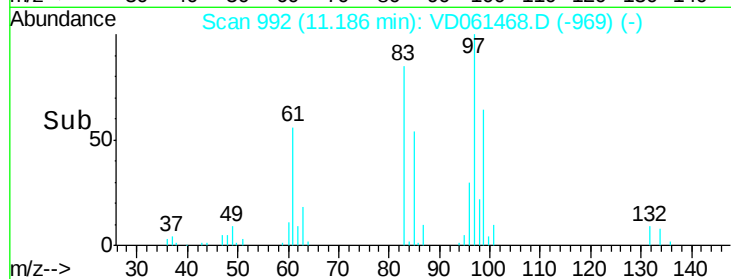
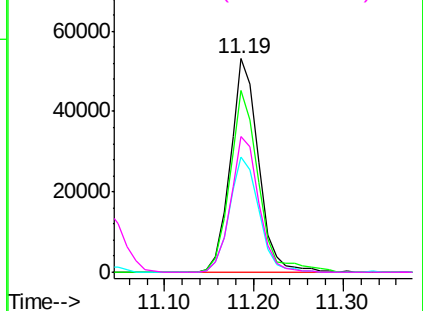
#55
 1,1,2-Trichloroethane
 Concen: 19.812 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

Tot Ion:	97	Resp:	117512
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.0	100.6
85	53.8	45.4	68.2
99	63.6	51.9	77.9

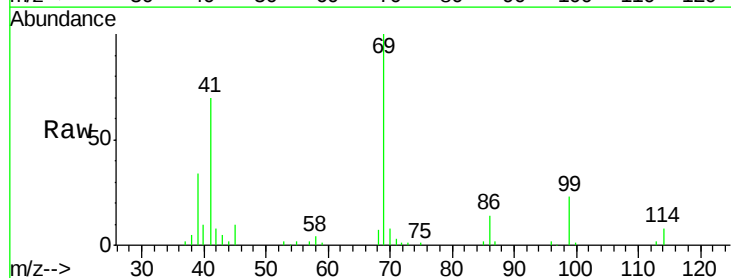


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

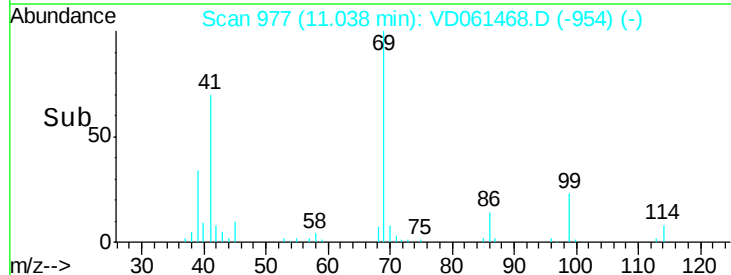
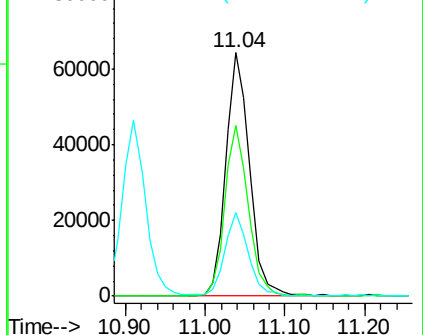


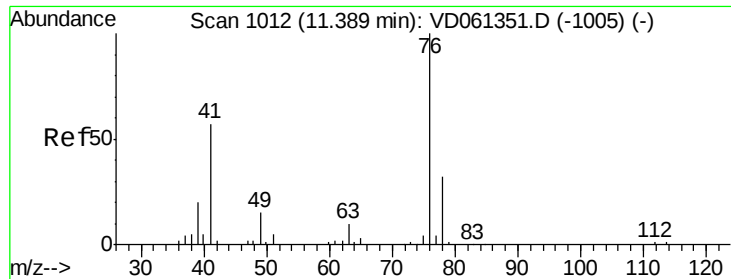
#56
 Ethyl methacrylate
 Concen: 21.174 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion:	69	Resp:	134918
Ion	Ratio	Lower	Upper
69	100		
41	70.0	53.8	80.6
39	34.4	26.4	39.6



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

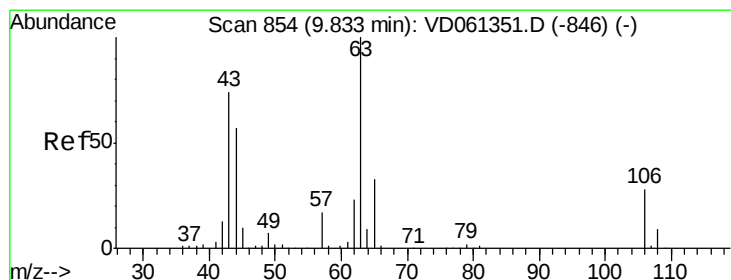
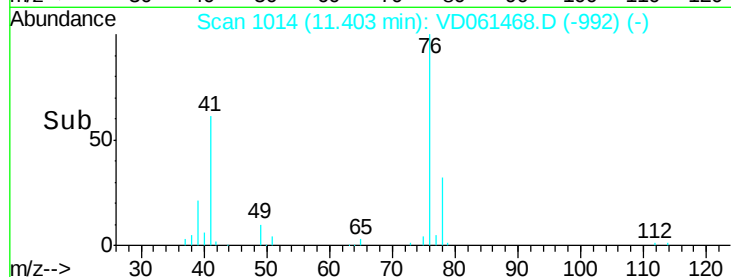
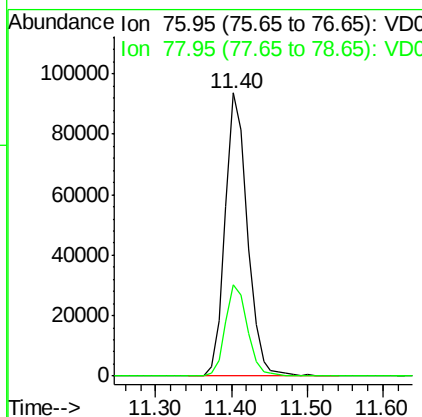
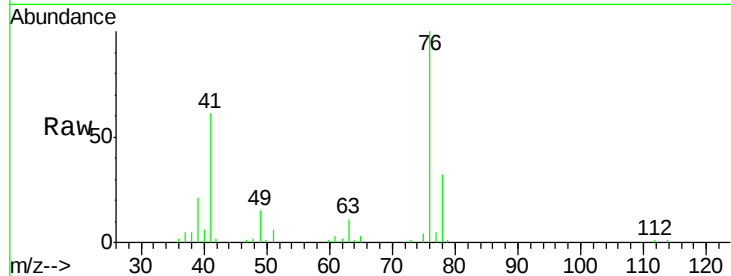




#57
 1,3-Dichloropropane
 Concen: 21.900 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

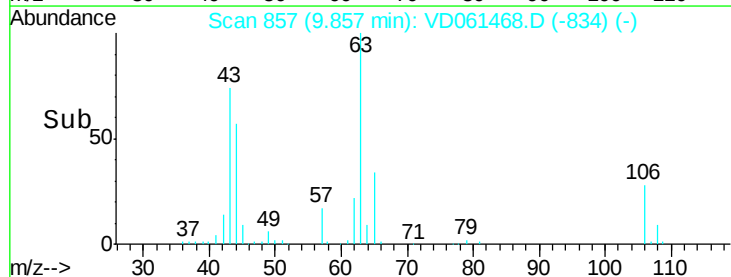
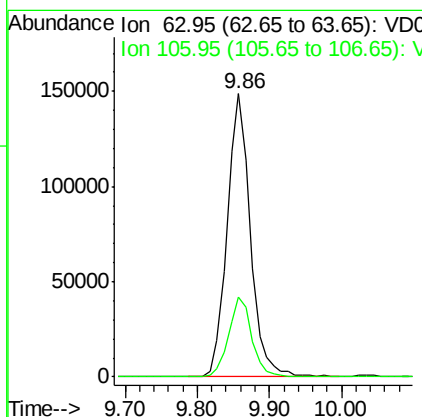
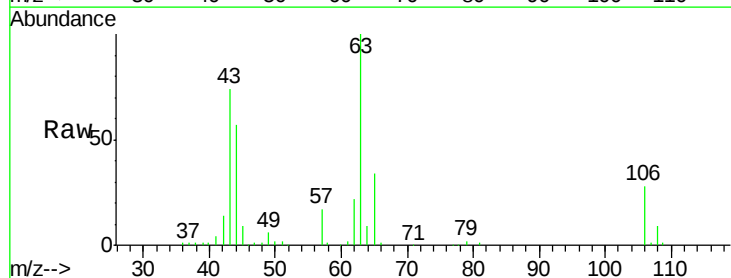
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS01

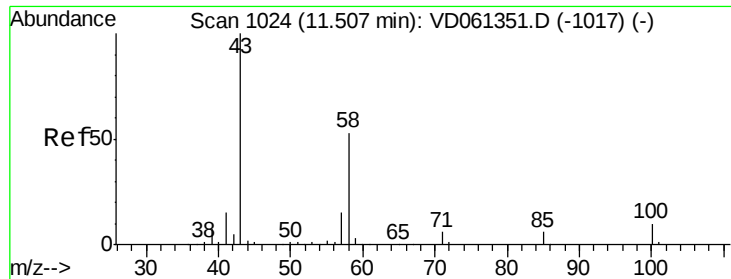
Tot Ion: 76 Resp: 190927
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.165 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion: 63 Resp: 332539
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.4 33.6

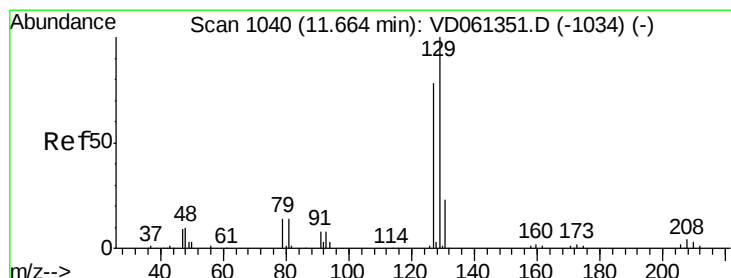
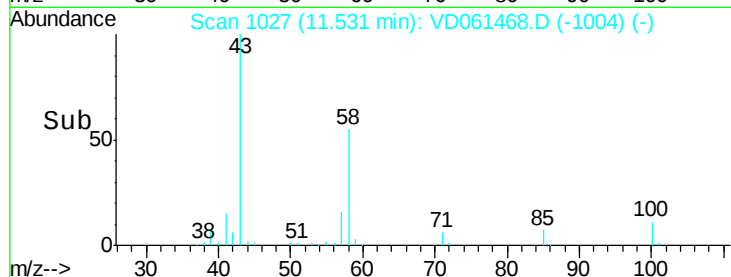
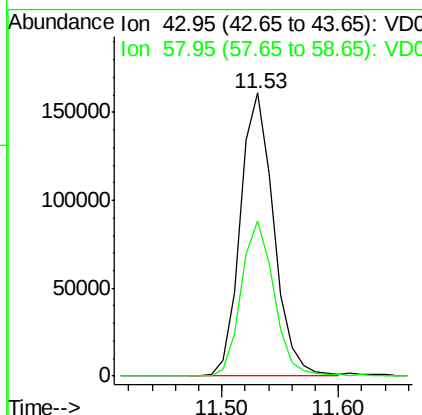
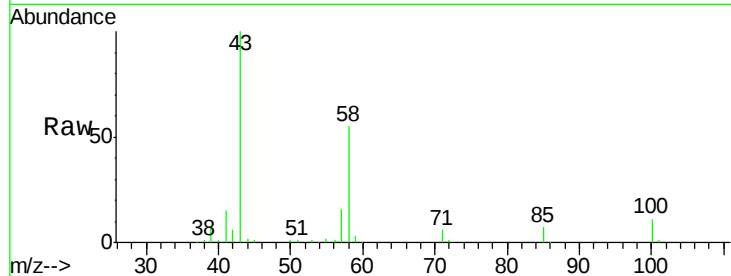




#59
2-Hexanone
Concen: 105.318 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

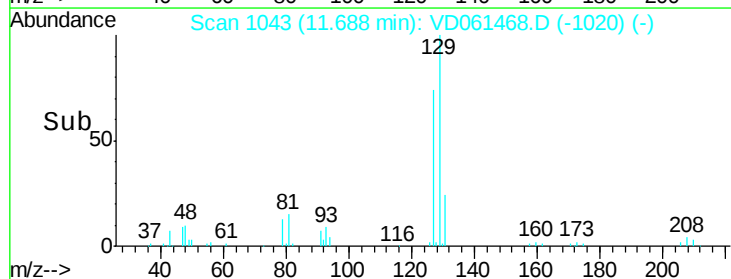
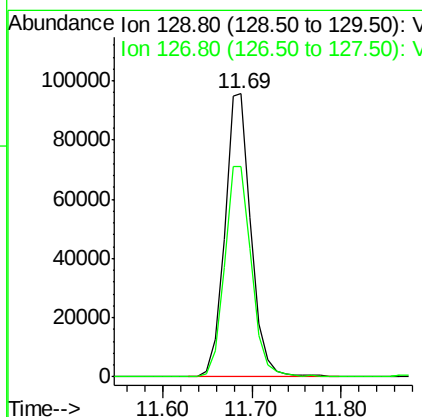
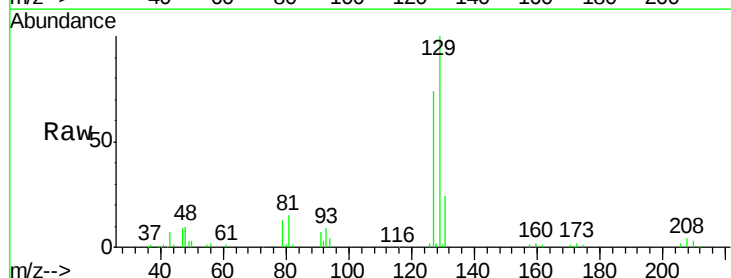
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

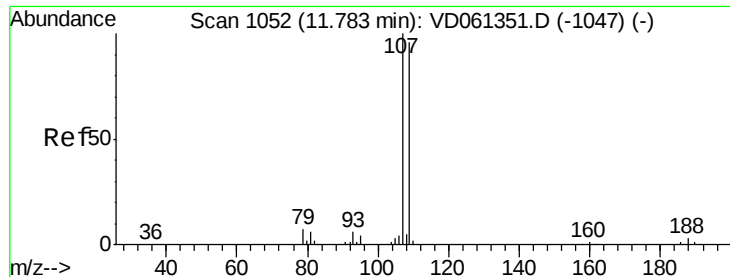
Tot Ion: 43 Resp: 319988
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.9



#60
Dibromochloromethane
Concen: 21.598 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 129 Resp: 197489
Ion Ratio Lower Upper
129 100
127 74.3 39.0 116.9

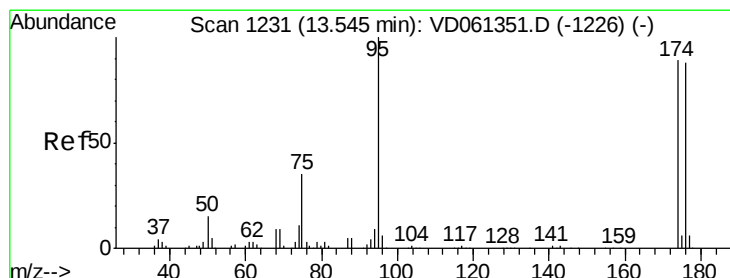
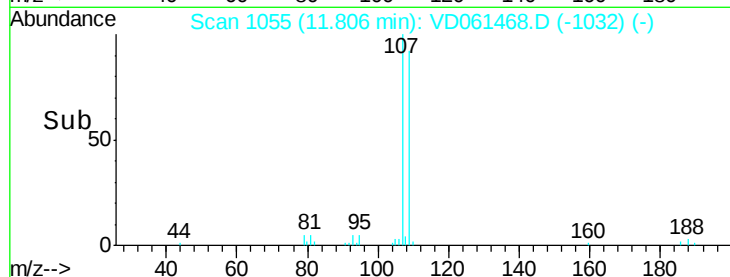
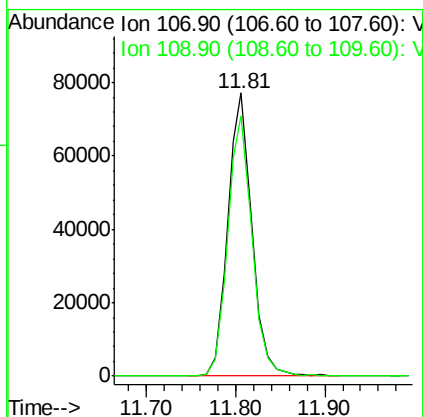
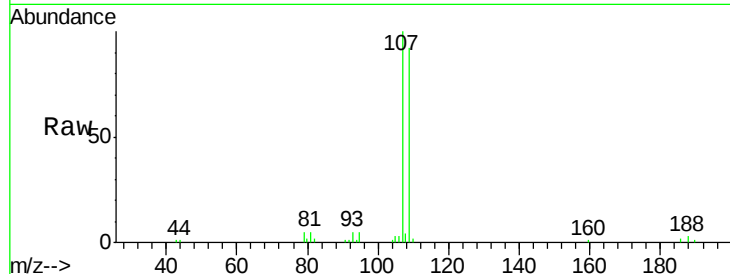




#61
 1,2-Dibromoethane
 Concen: 21.428 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

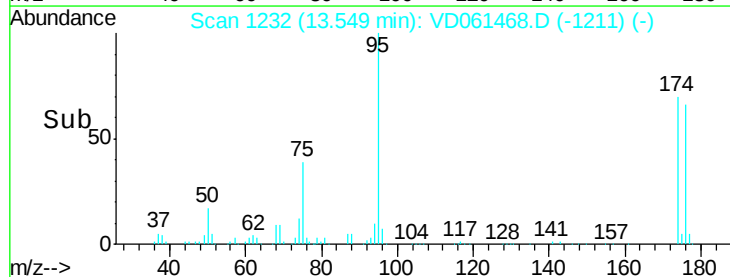
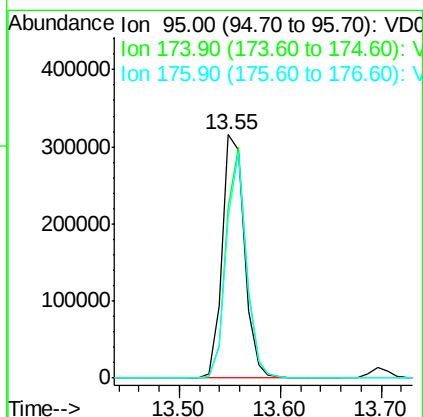
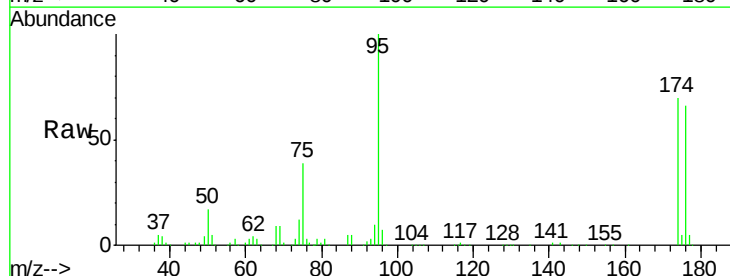
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

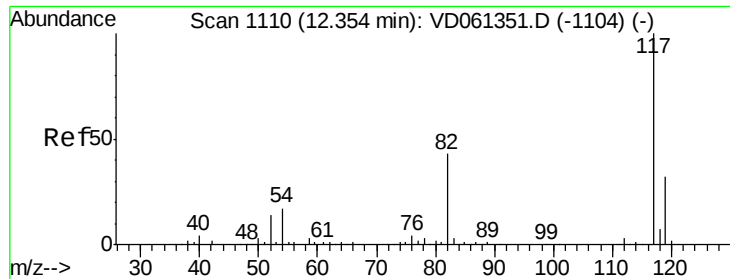
Tot Ion: 107 Resp: 147172
 Ion Ratio Lower Upper
 107 100
 109 91.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 21.428 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion: 95 Resp: 486103
 Ion Ratio Lower Upper
 95 100
 174 70.2 0.0 178.0
 176 65.9 0.0 175.0

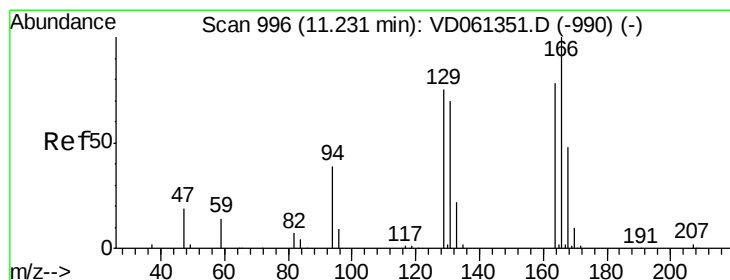
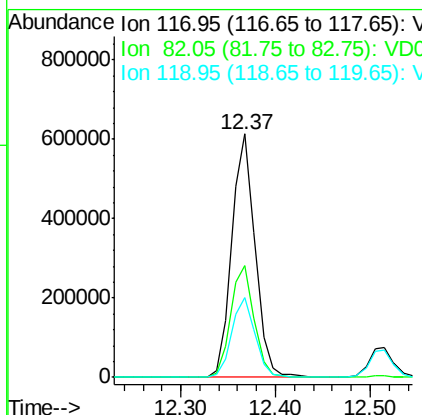
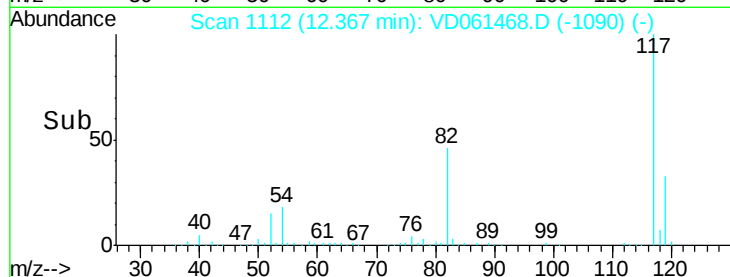
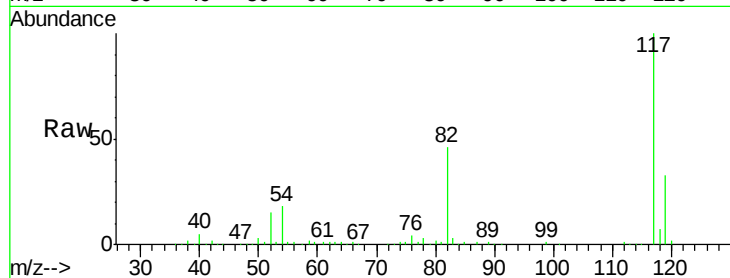




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

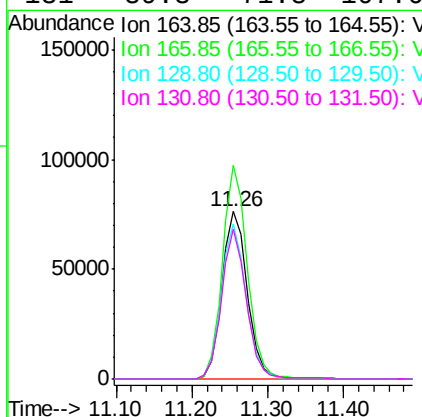
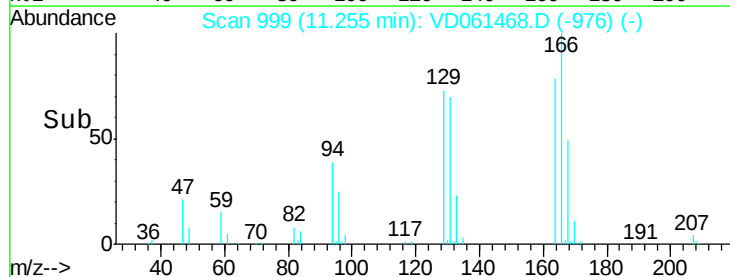
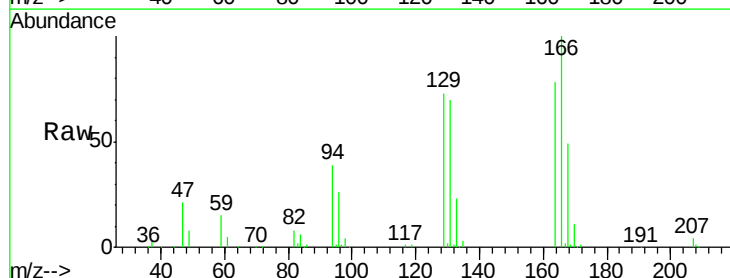
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

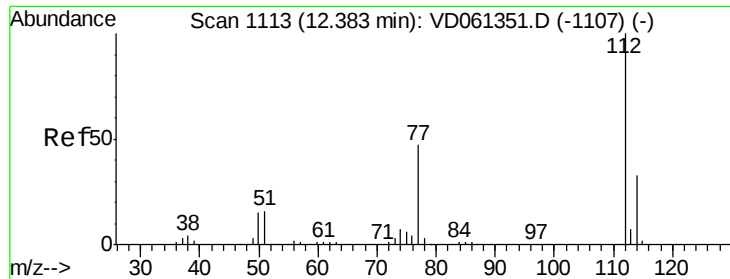
Tot Ion:117 Resp: 1044977
Ion Ratio Lower Upper
117 100
82 46.0 34.4 51.6
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 21.554 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion:164 Resp: 176770
Ion Ratio Lower Upper
164 100
166 127.8 102.4 153.6
129 93.1 76.8 115.2
131 89.3 71.8 107.6





#65

Chlorobenzene

Concen: 21.547 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

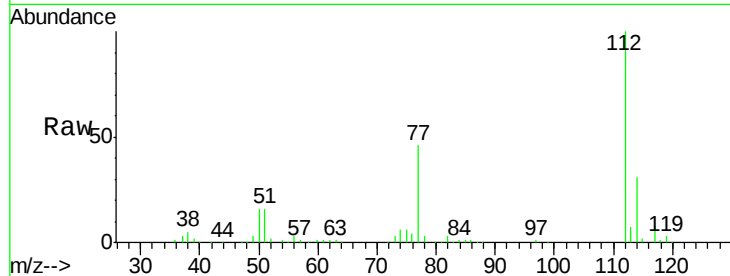
VD0401SBSD01

Tot Ion:112 Resp: 460149

Ion Ratio Lower Upper

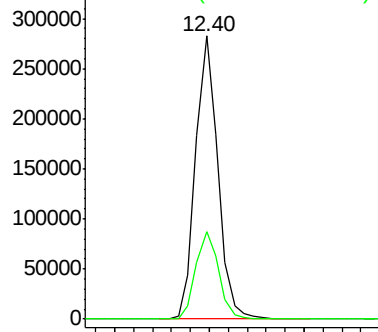
112 100

114 31.1 26.6 39.8

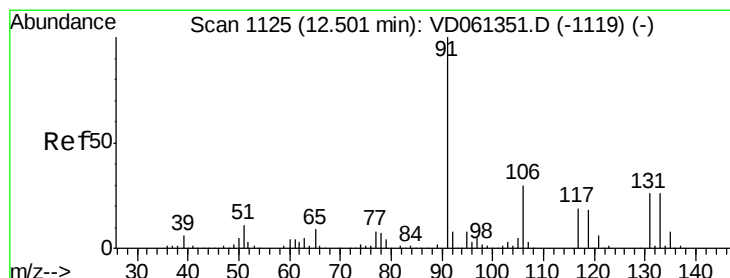
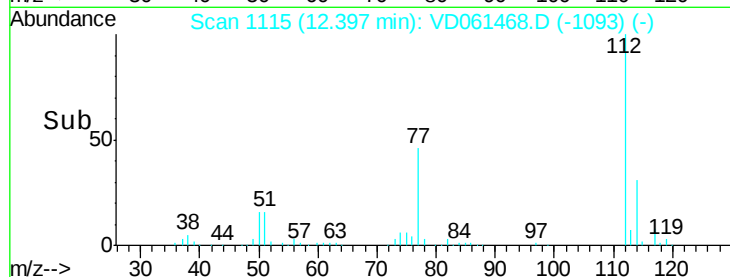


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.312 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

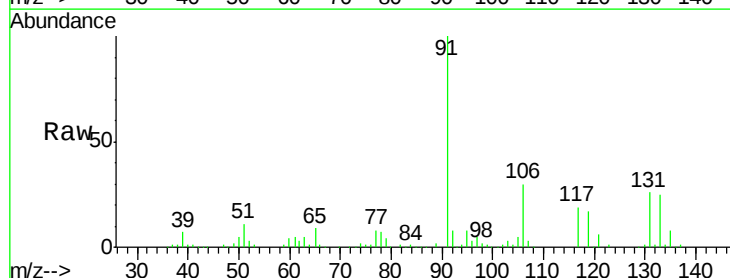
Tgt Ion:131 Resp: 184495

Ion Ratio Lower Upper

131 100

133 95.1 49.4 148.2

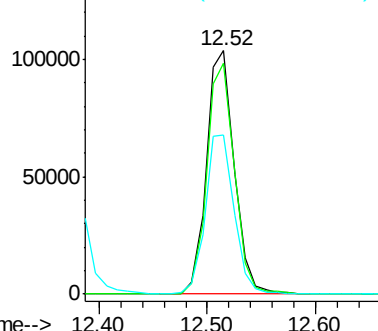
119 65.6 34.1 102.2



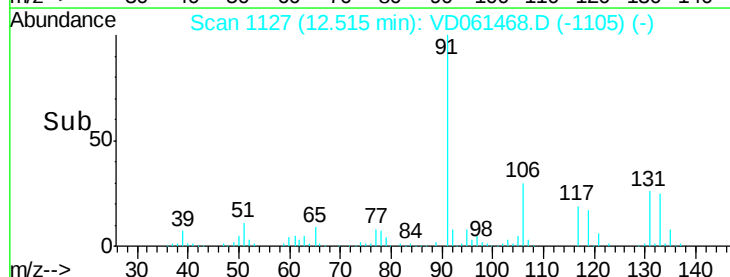
Abundance Ion 130.90 (130.60 to 131.60): V

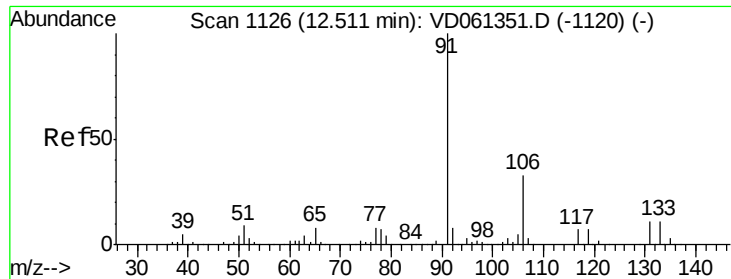
Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->

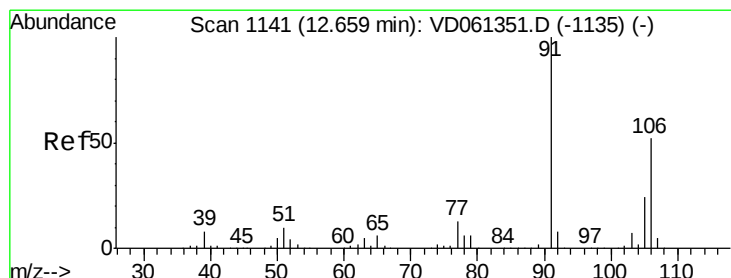
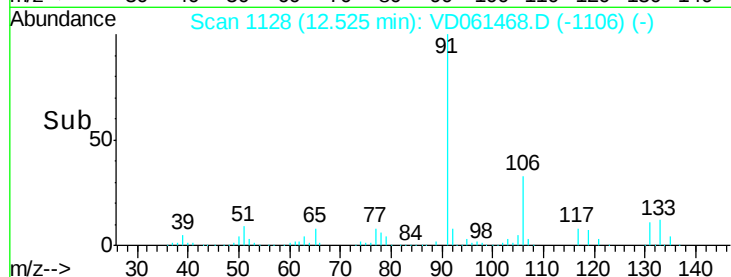
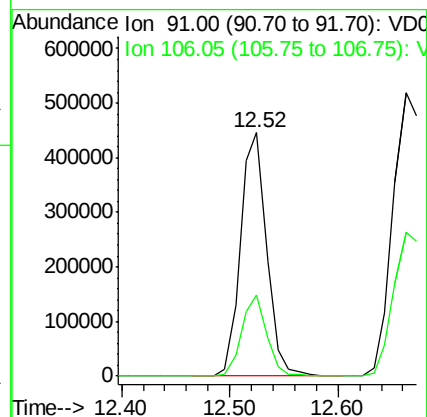
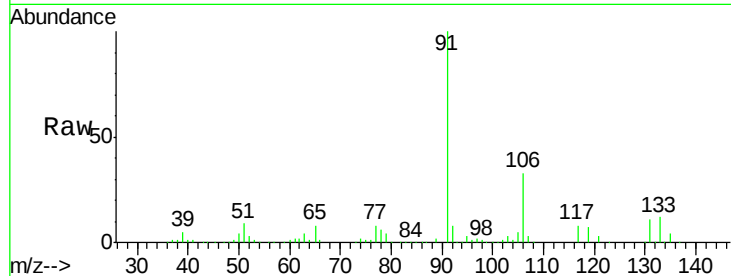




#67
Ethyl Benzene
Concen: 22.987 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

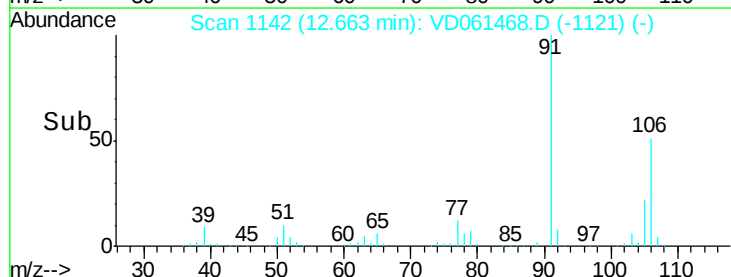
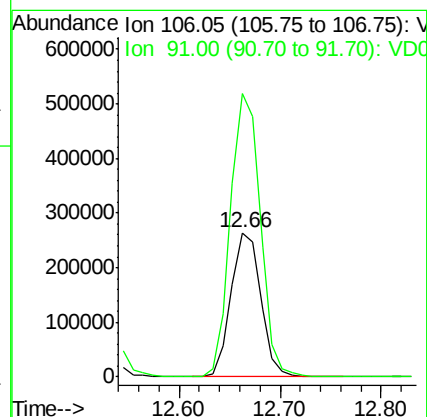
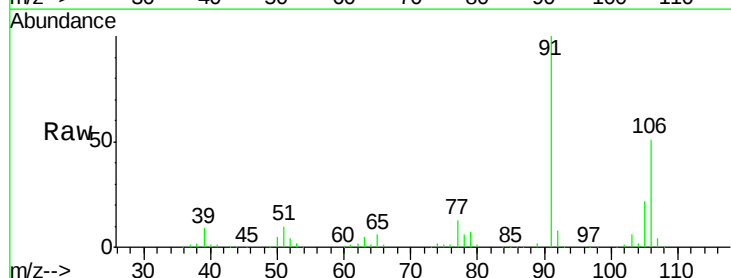
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBS01

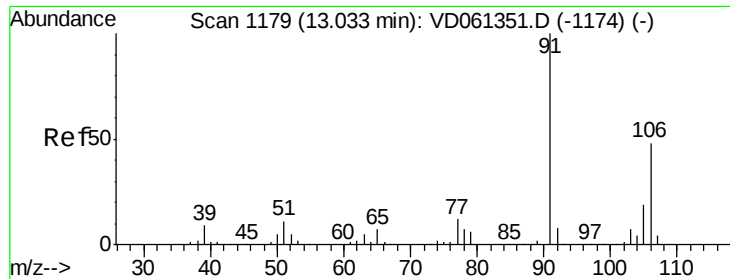
Tot Ion: 91 Resp: 749315
Ion Ratio Lower Upper
91 100
106 33.3 26.1 39.1



#68
m/p-Xylenes
Concen: 44.016 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 106 Resp: 543497
Ion Ratio Lower Upper
106 100
91 196.0 153.1 229.7

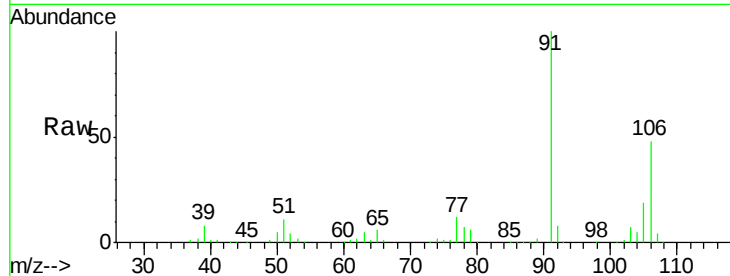




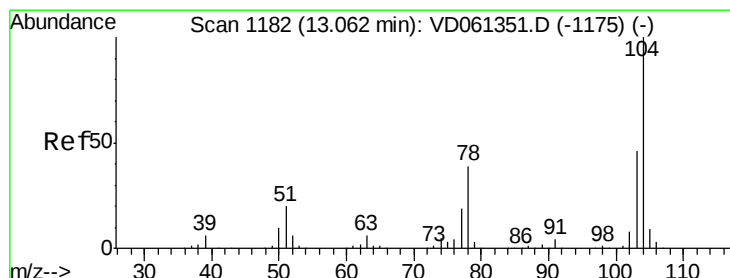
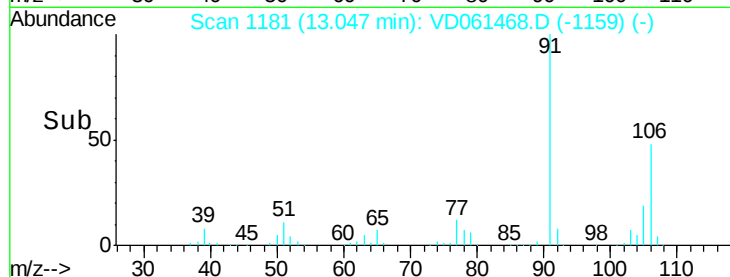
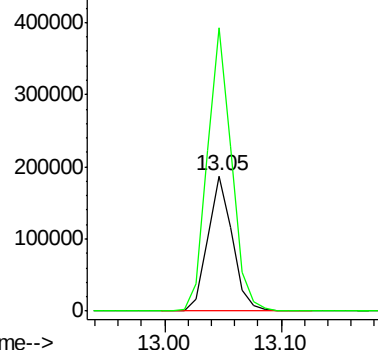
#69
o-Xylene
Concen: 22.722 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VD0401SBS01

Tot Ion:106 Resp: 272267
Ion Ratio Lower Upper
106 100
91 209.1 103.8 311.3

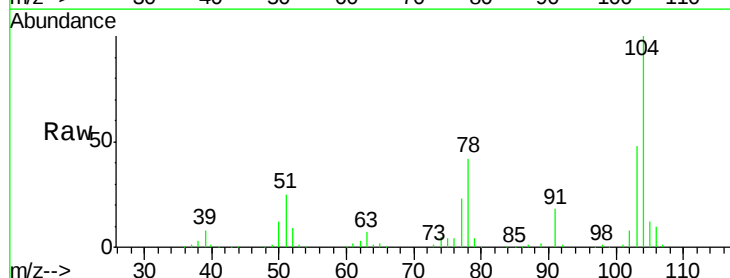


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

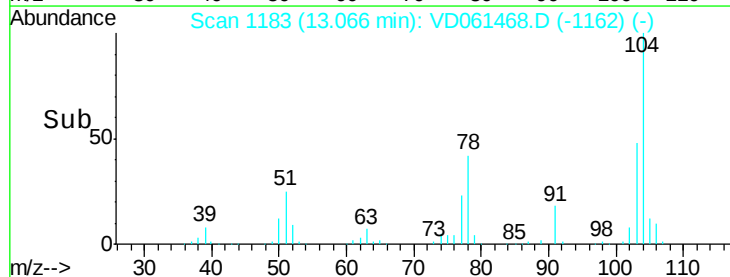
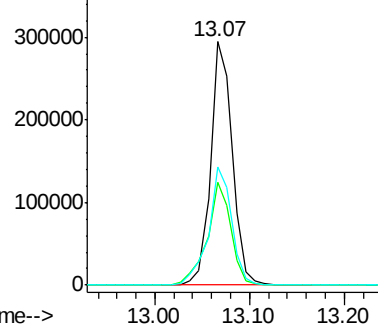


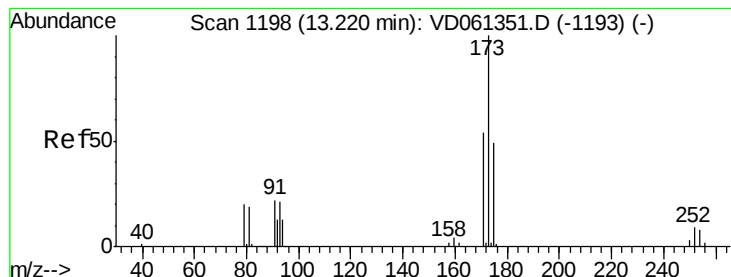
#70
Styrene
Concen: 22.227 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion:104 Resp: 464268
Ion Ratio Lower Upper
104 100
78 42.4 31.0 46.6
103 48.4 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.875 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBS01

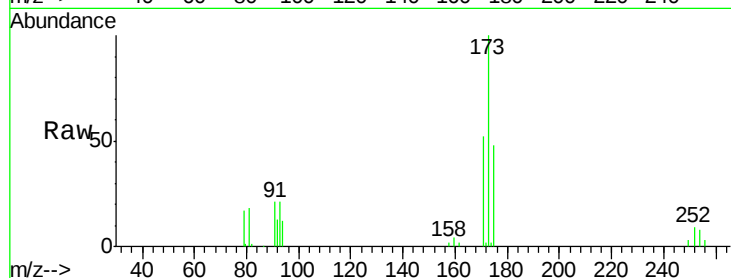
Tot Ion:173 Resp: 104176

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.8

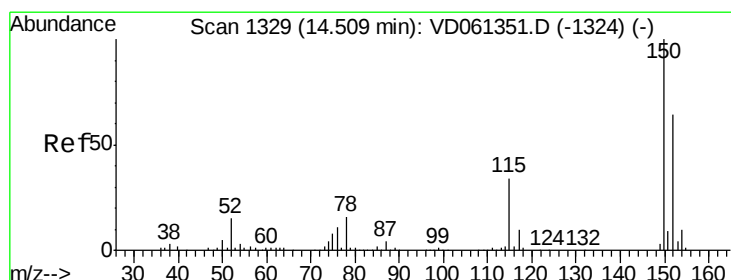
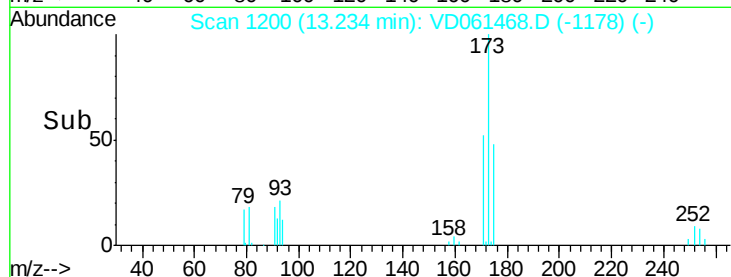
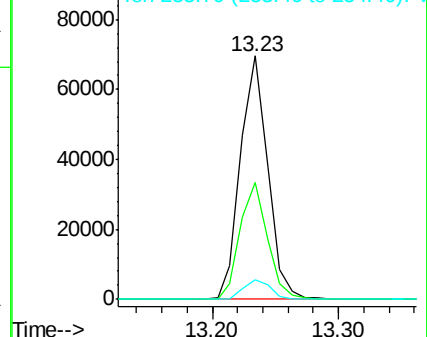
254 7.8 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

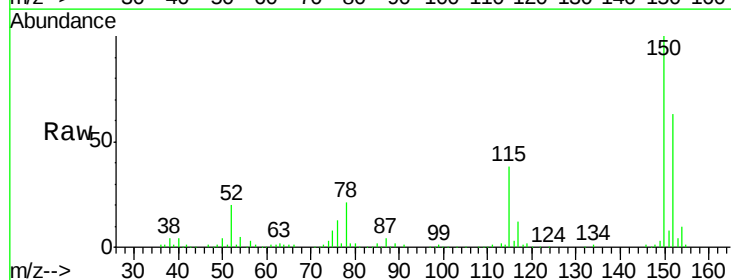
Tgt Ion:152 Resp: 450977

Ion Ratio Lower Upper

152 100

115 60.4 26.9 80.6

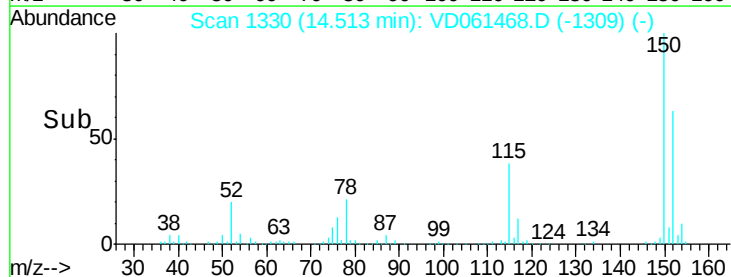
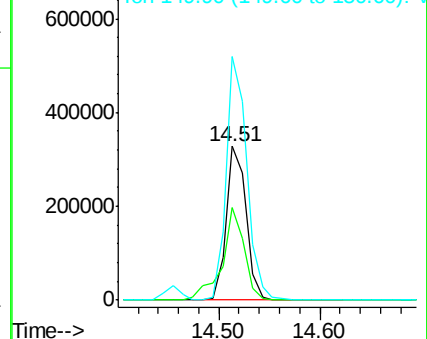
150 158.6 0.0 318.0

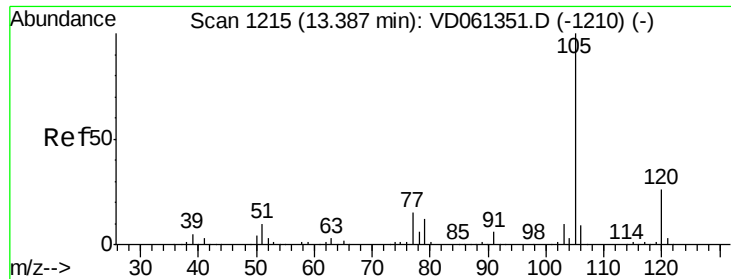


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.868 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

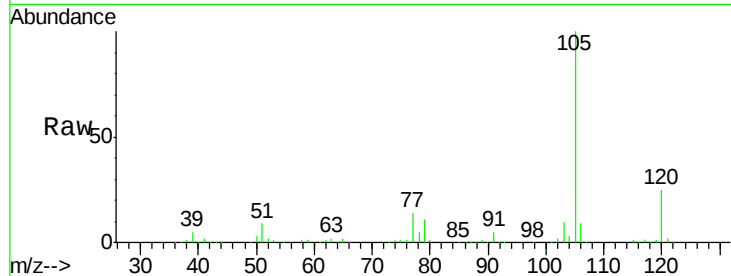
VD0401SBS01

Tot Ion:105 Resp: 717759

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

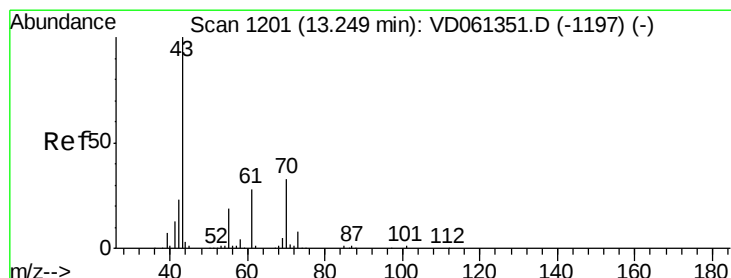
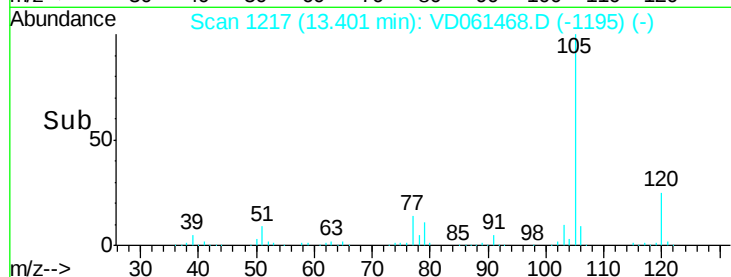
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 20.768 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Tgt Ion: 43 Resp: 181588

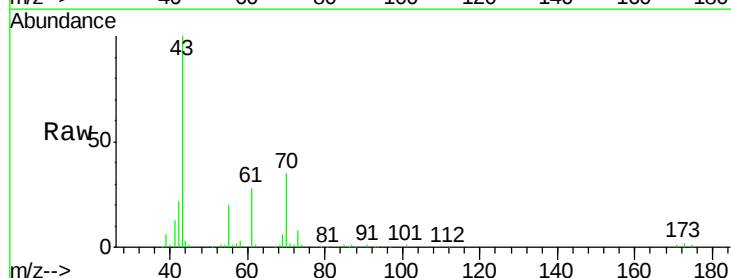
Ion Ratio Lower Upper

43 100

70 34.9 26.6 40.0

55 19.8 15.4 23.2

61 27.6 22.2 33.4



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

200000

150000

100000

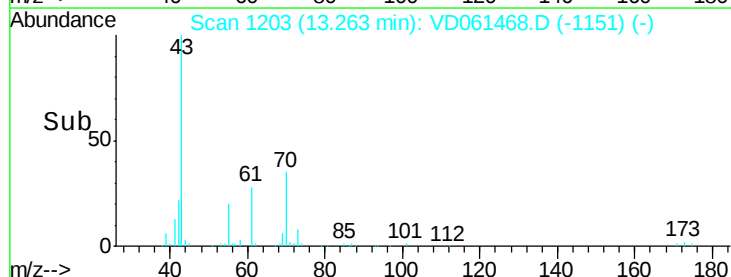
50000

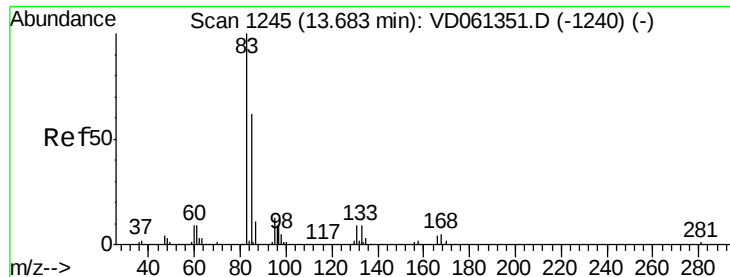
0

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.778 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

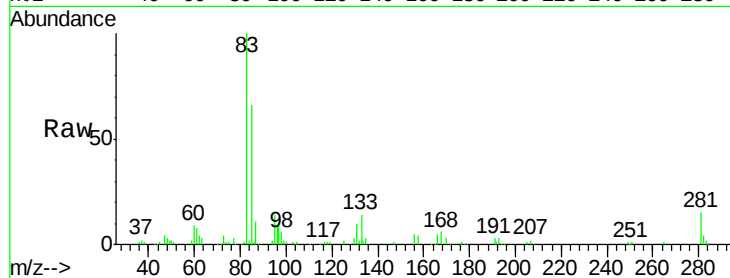
Tot Ion: 83 Resp: 130956

Ion Ratio Lower Upper

83 100

131 10.1 4.3 13.1

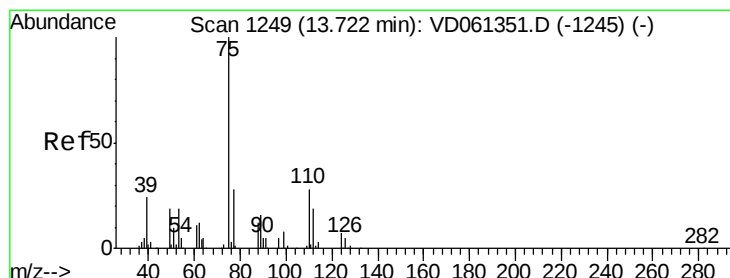
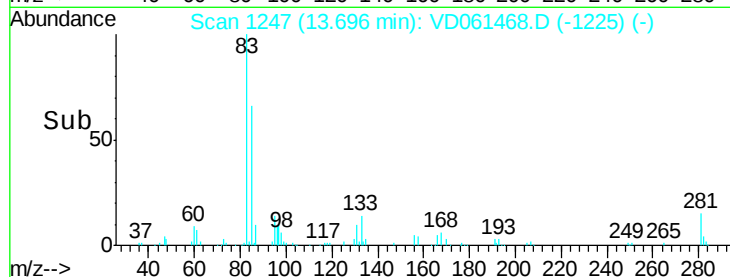
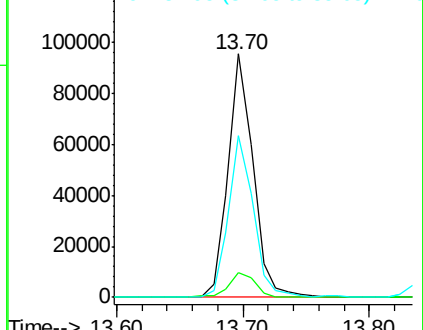
85 66.2 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.761 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061468.D

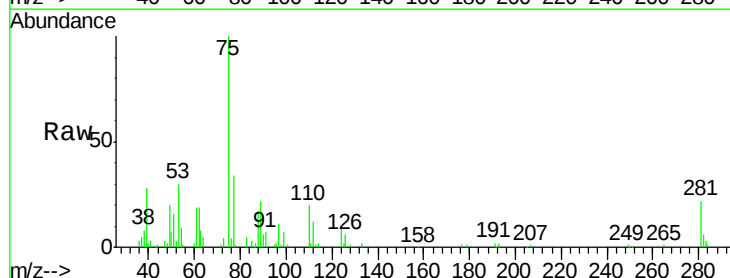
Acq: 1 Apr 2019 15:04

Tgt Ion: 75 Resp: 135246

Ion Ratio Lower Upper

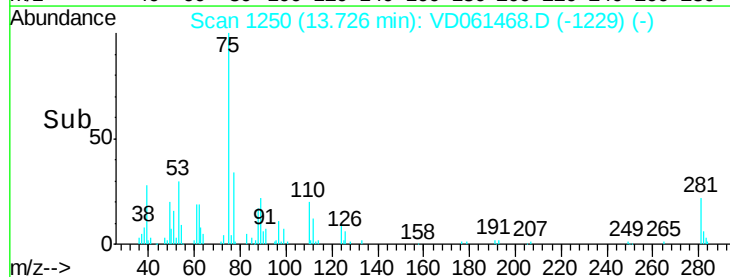
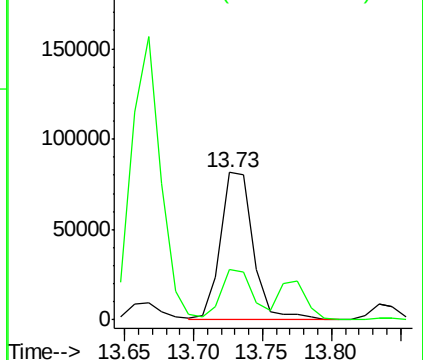
75 100

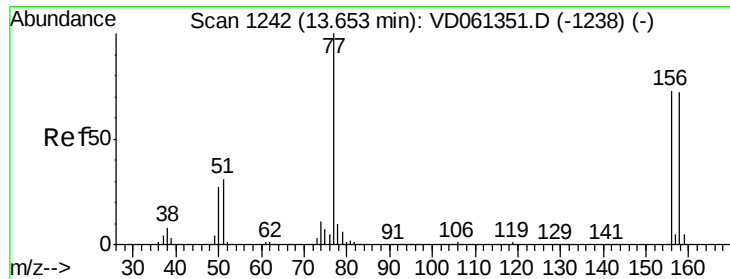
77 33.9 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.858 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

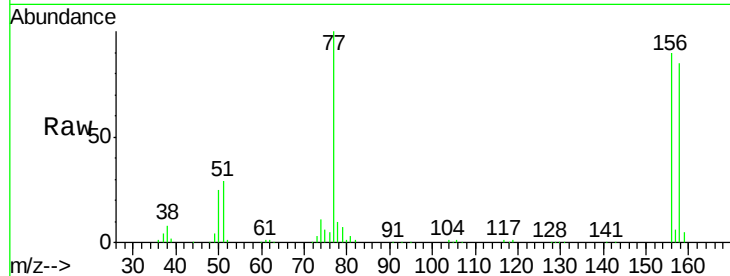
Tot Ion:156 Resp: 194087

Ion Ratio Lower Upper

156 100

77 111.5 68.5 205.6

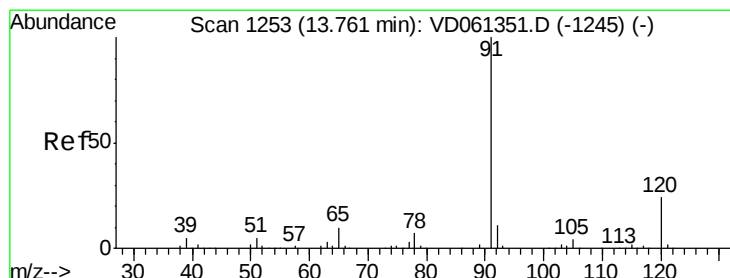
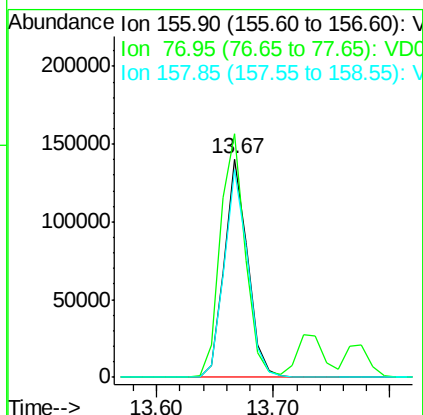
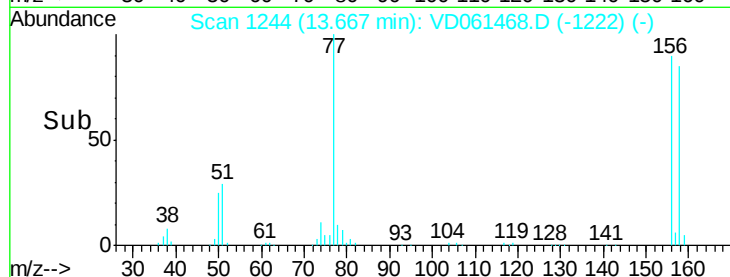
158 95.0 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.663 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061468.D

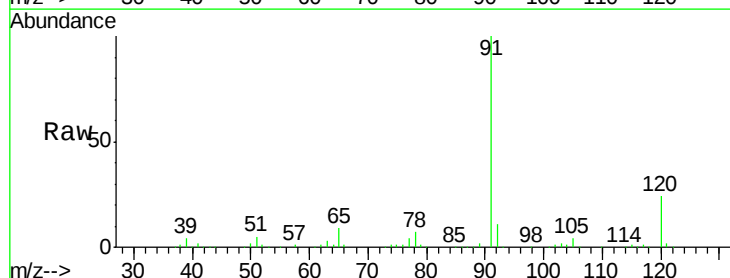
Acq: 1 Apr 2019 15:04

Tgt Ion: 91 Resp: 870499

Ion Ratio Lower Upper

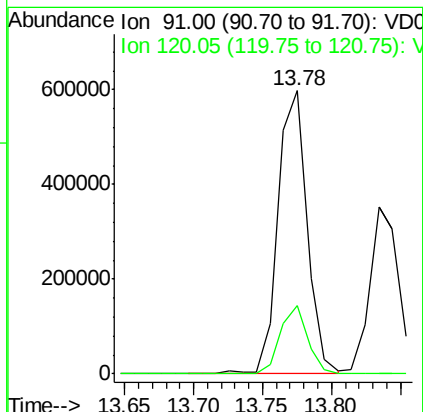
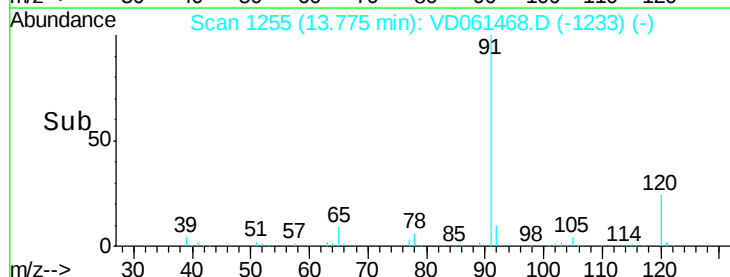
91 100

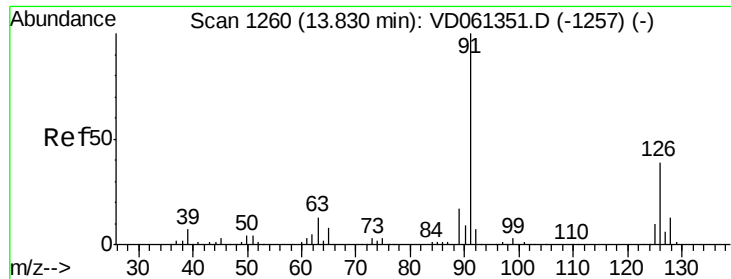
120 24.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

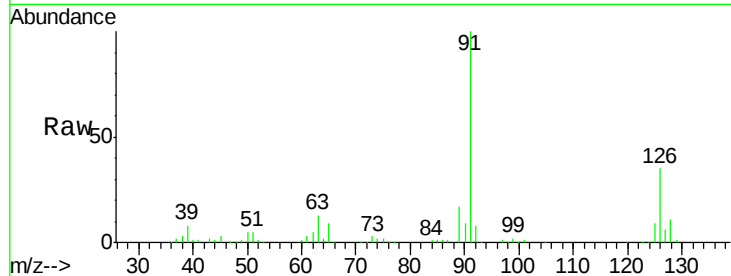




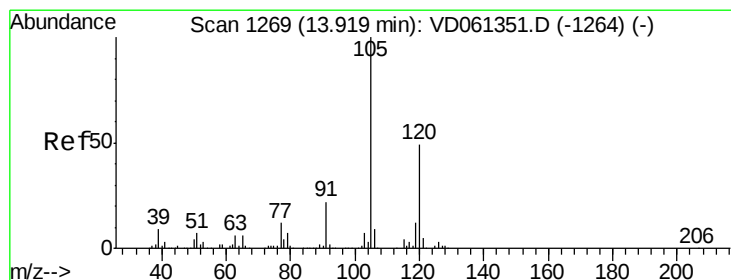
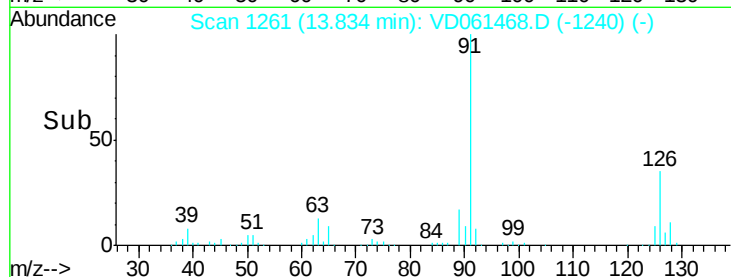
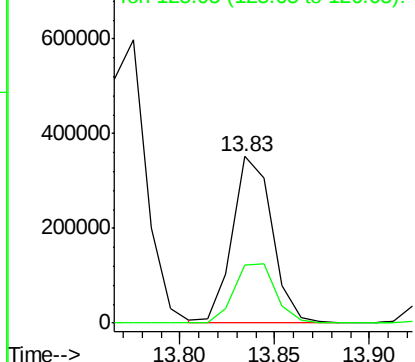
#79
 2-Chlorotoluene
 Concen: 24.290 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

Tot Ion: 91 Resp: 506602
 Ion Ratio Lower Upper
 91 100
 126 34.7 19.4 58.2

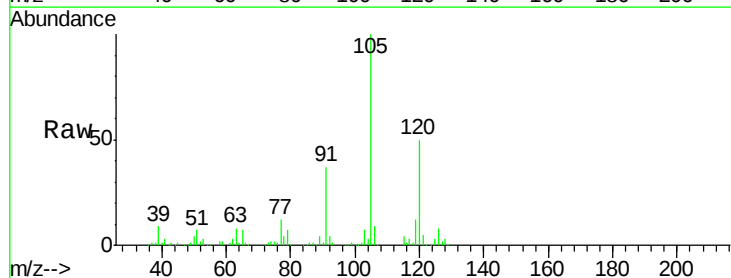


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

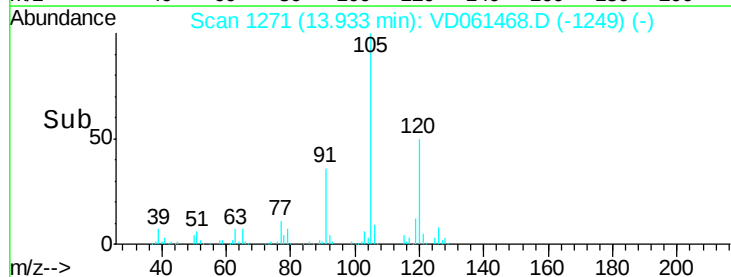
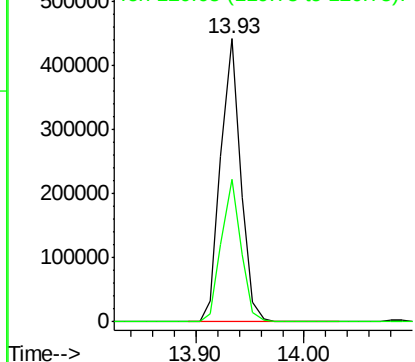


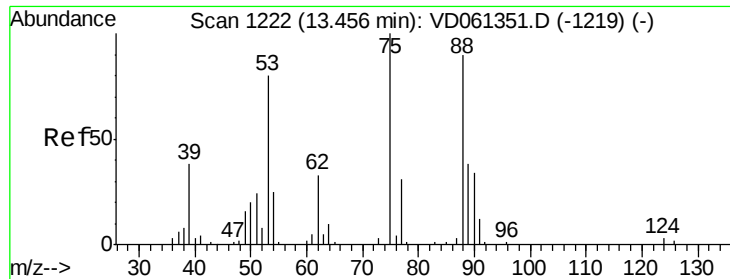
#80
 1,3,5-Trimethylbenzene
 Concen: 23.476 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion:105 Resp: 571723
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 73.6



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: 21.277 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

VD0401SBSD01

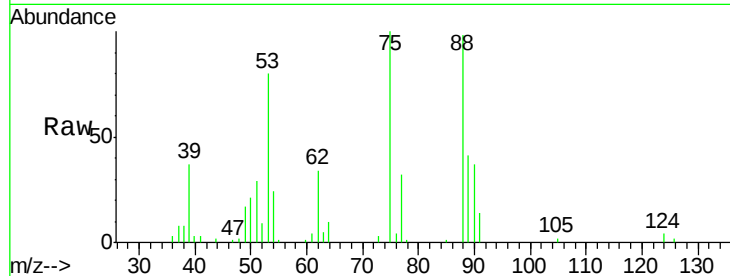
Tot Ion: 75 Resp: 42262

Ion Ratio Lower Upper

75 100

53 79.8 63.8 95.8

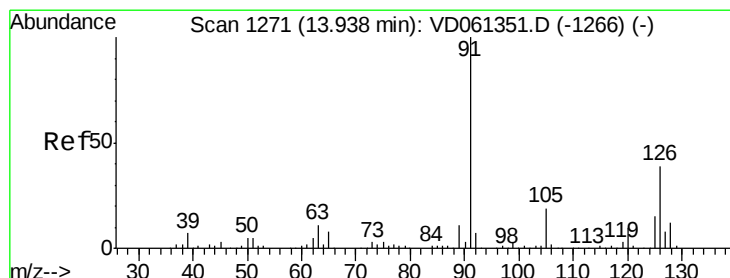
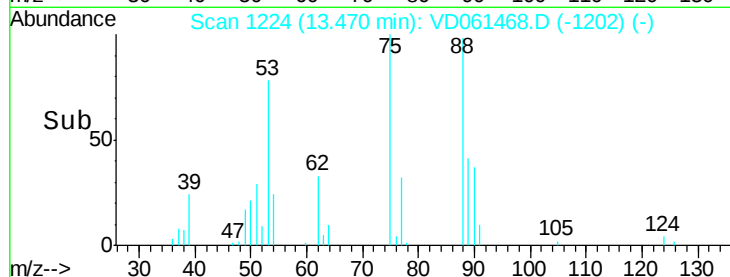
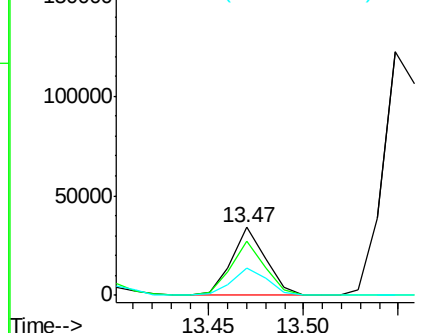
89 40.7 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.764 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061468.D

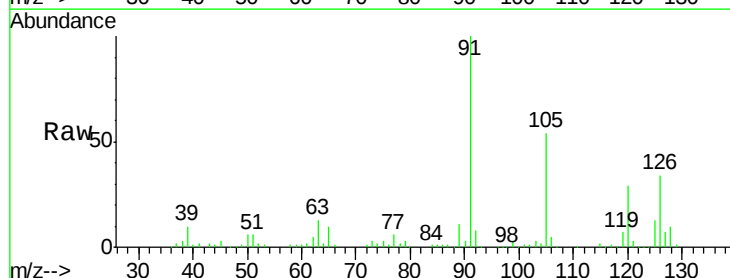
Acq: 1 Apr 2019 15:04

Tgt Ion: 91 Resp: 516229

Ion Ratio Lower Upper

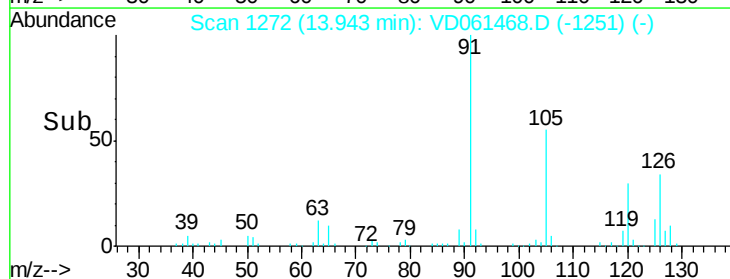
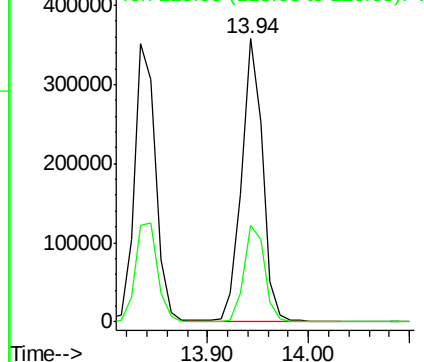
91 100

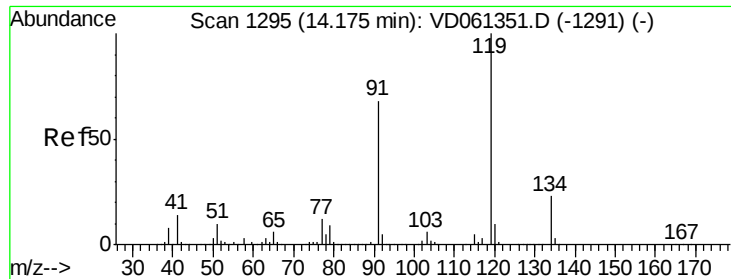
126 34.2 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

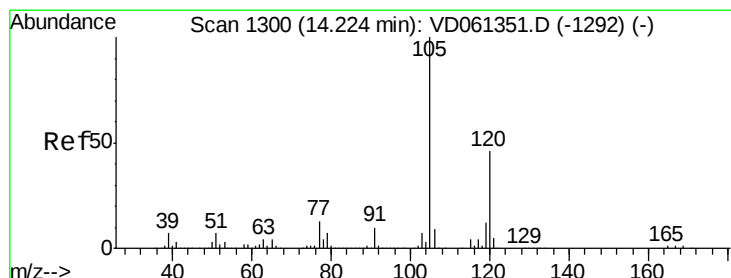
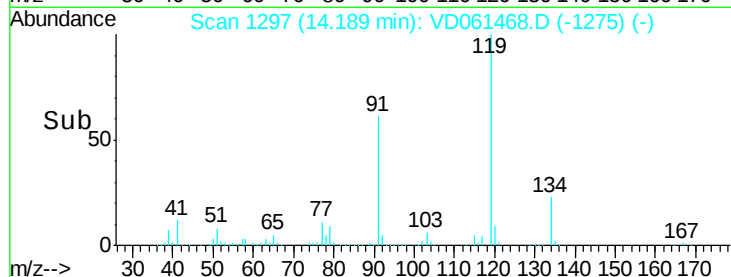
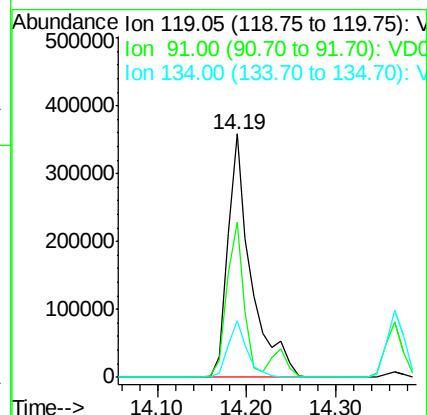
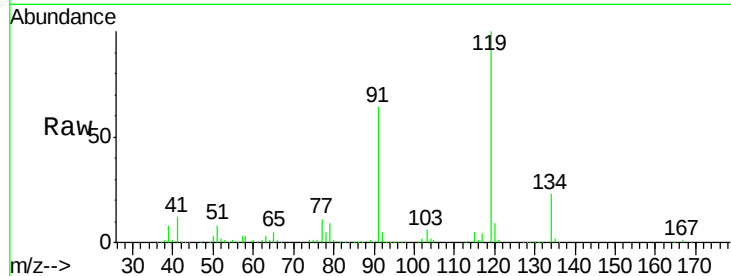




#83
tert-Butylbenzene
Concen: 21.653 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

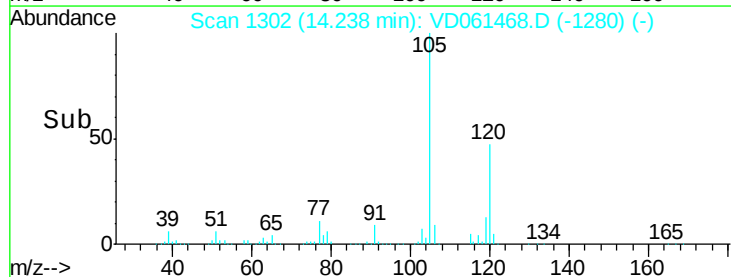
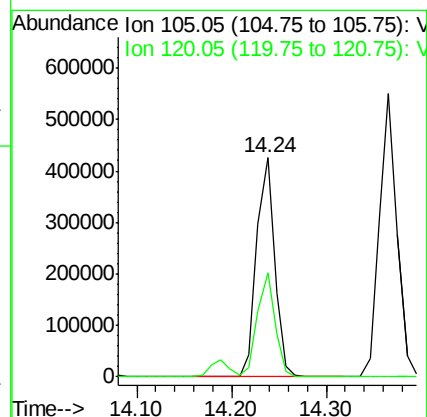
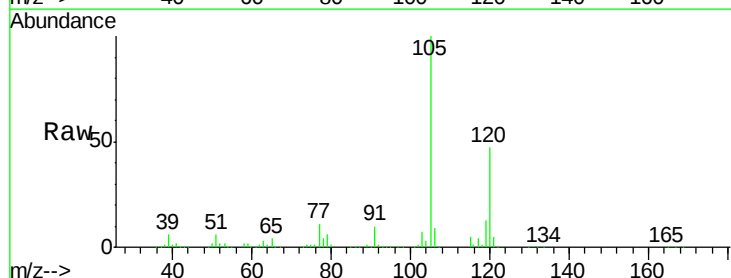
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBS01

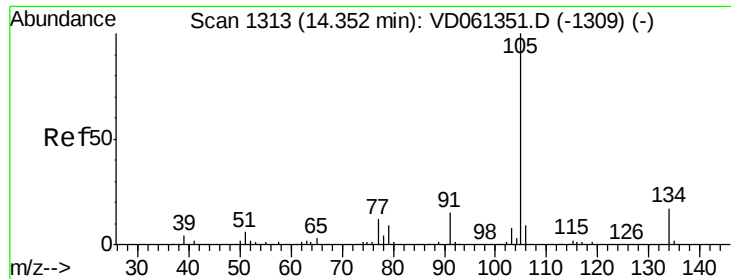
Tot Ion:119 Resp: 658992
Ion Ratio Lower Upper
119 100
91 63.5 34.1 102.3
134 23.5 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.543 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion:105 Resp: 567977
Ion Ratio Lower Upper
105 100
120 47.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.263 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

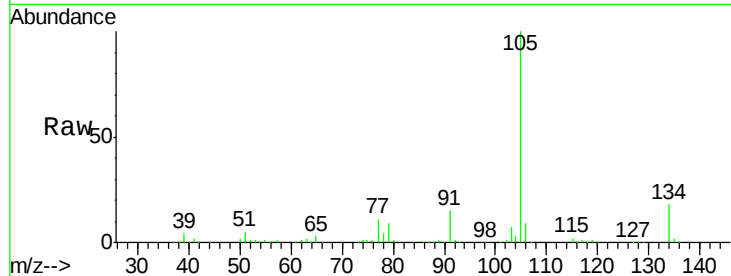
VD0401SBS01

Tot Ion:105 Resp: 719795

Ion Ratio Lower Upper

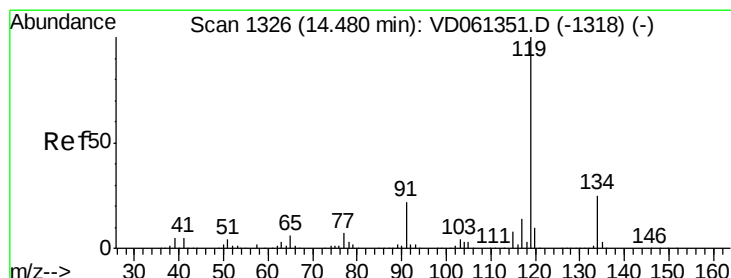
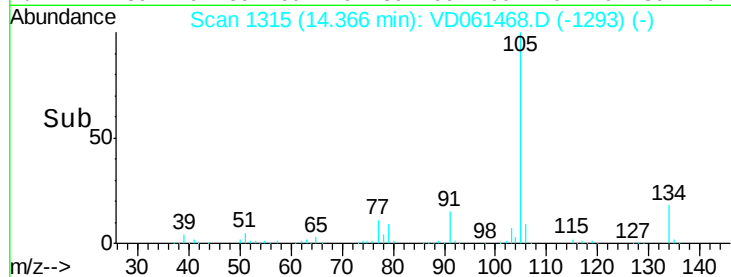
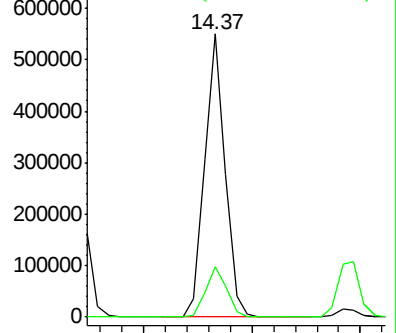
105 100

134 18.0 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.369 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061468.D

Acq: 1 Apr 2019 15:04

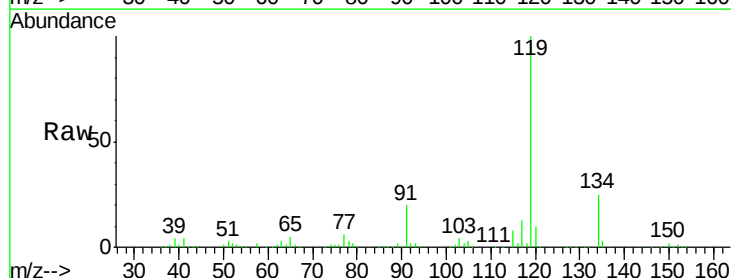
Tgt Ion:119 Resp: 638921

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

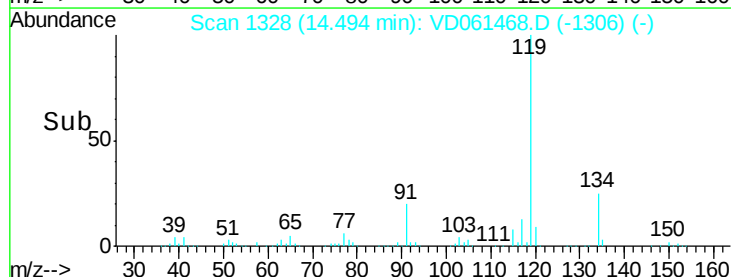
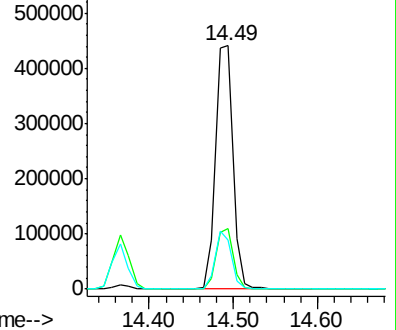
91 20.0 11.1 33.1

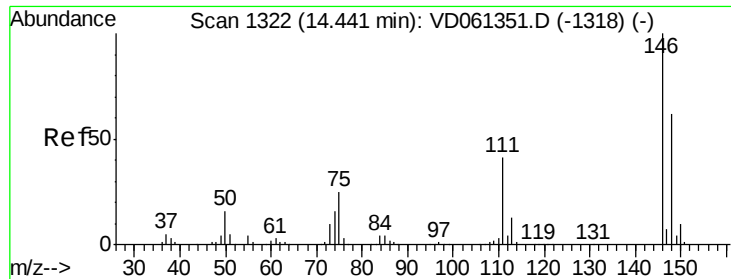


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

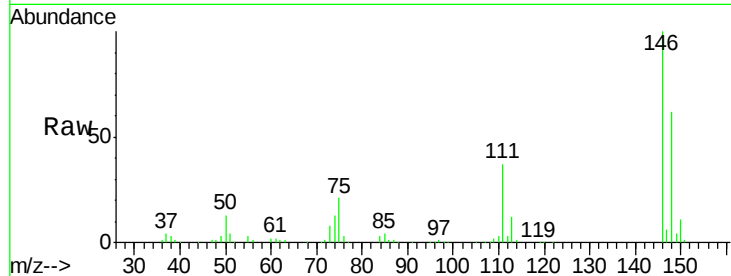




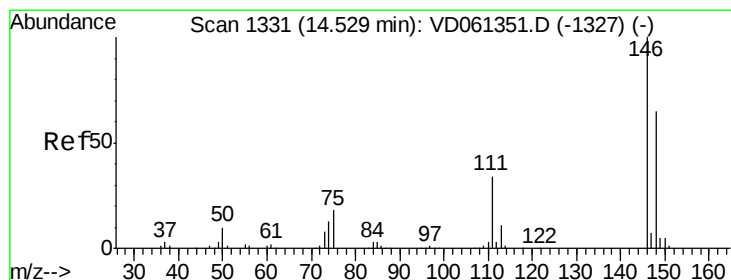
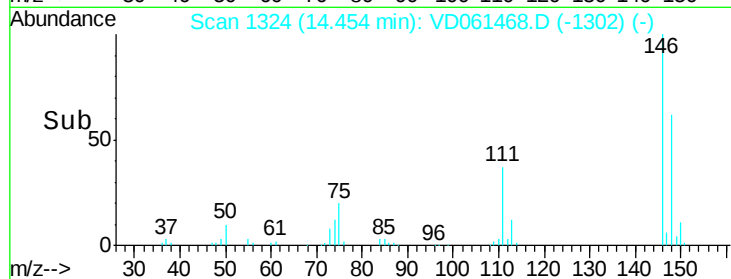
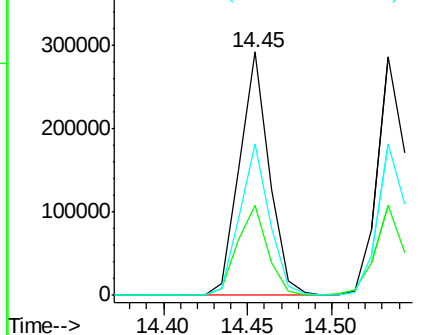
#87
 1,3-Dichlorobenzene
 Concen: 22.738 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS01

Tot Ion:146 Resp: 358288
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.6 61.9
 148 62.3 31.1 93.3

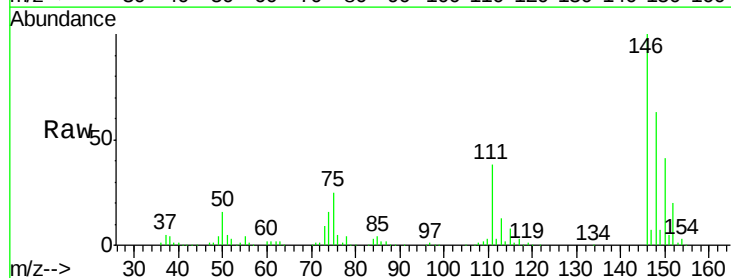


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

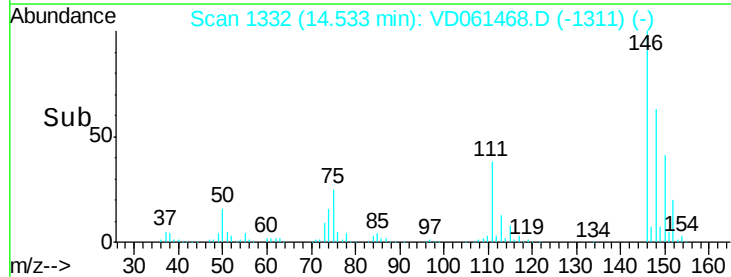
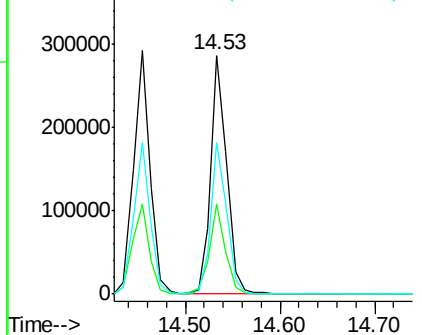


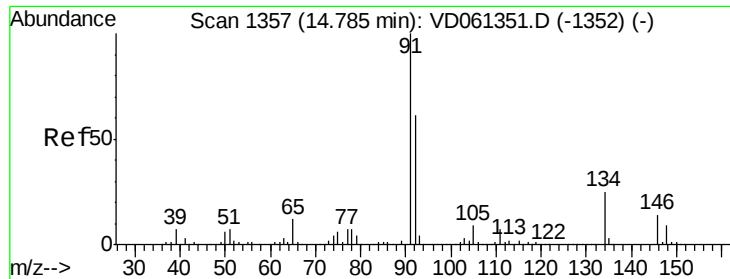
#88
 1,4-Dichlorobenzene
 Concen: 22.282 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion:146 Resp: 342391
 Ion Ratio Lower Upper
 146 100
 111 37.5 16.8 50.4
 148 63.4 32.6 98.0



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

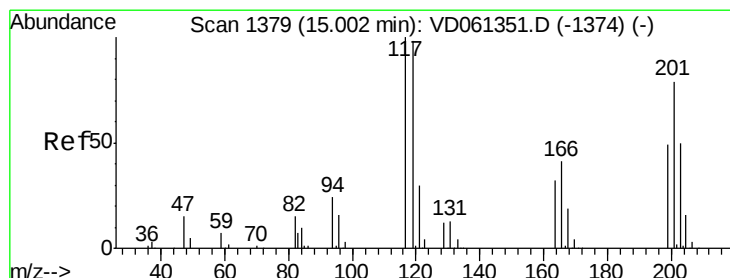
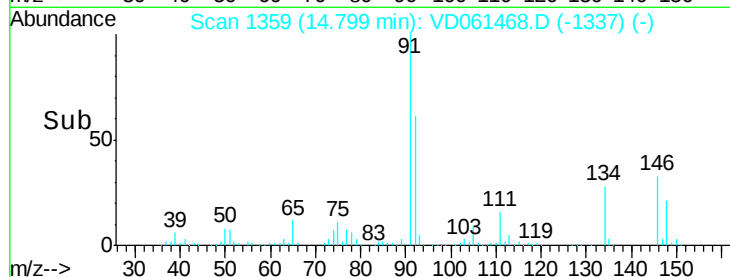
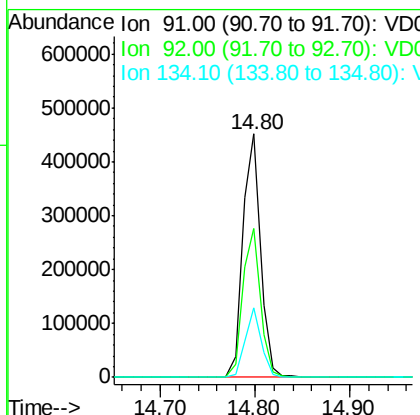
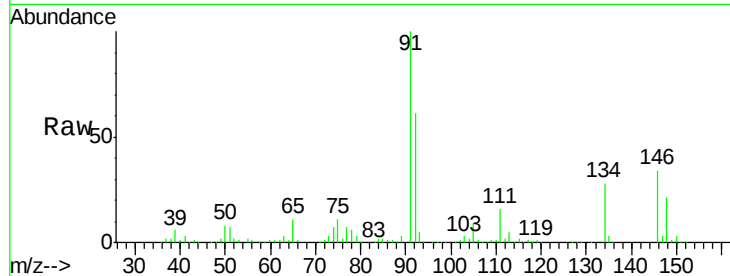




#89
n-Butylbenzene
Concen: 23.252 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

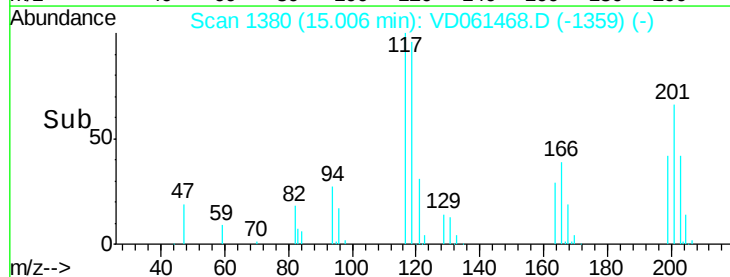
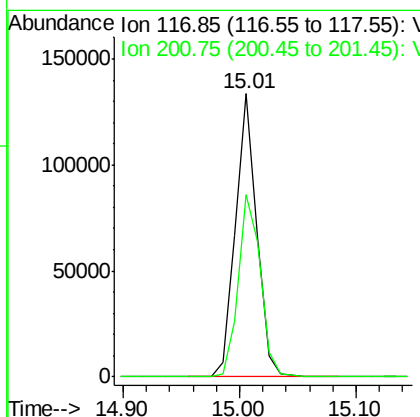
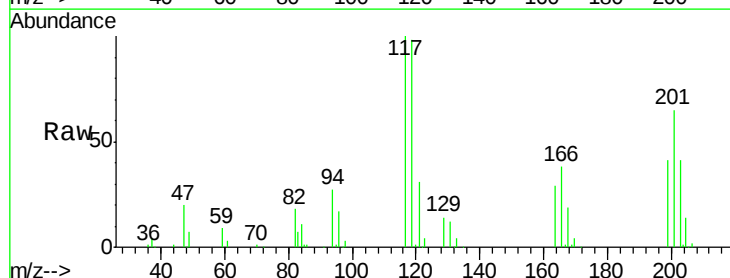
Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

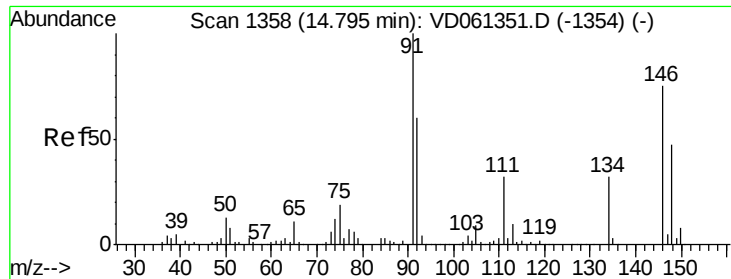
Tot Ion: 91 Resp: 583479
Ion Ratio Lower Upper
91 100
92 60.9 30.3 91.0
134 28.3 12.4 37.0



#90
Hexachloroethane
Concen: 21.773 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion: 117 Resp: 168168
Ion Ratio Lower Upper
117 100
201 64.5 39.6 119.0

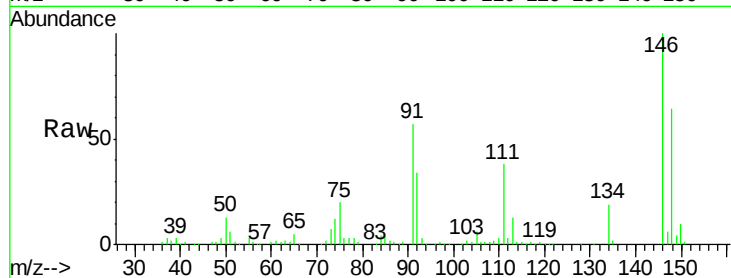




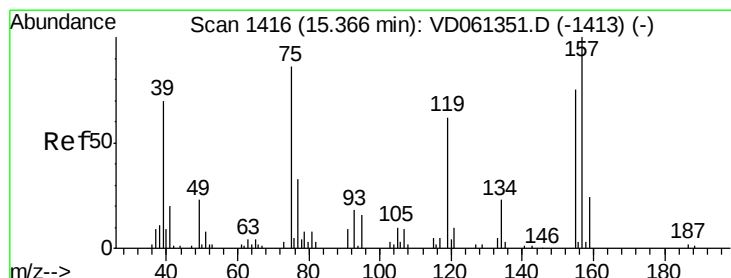
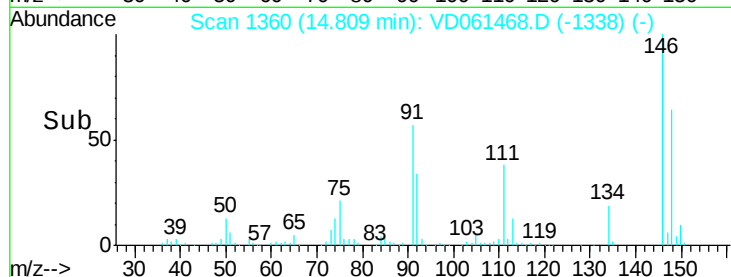
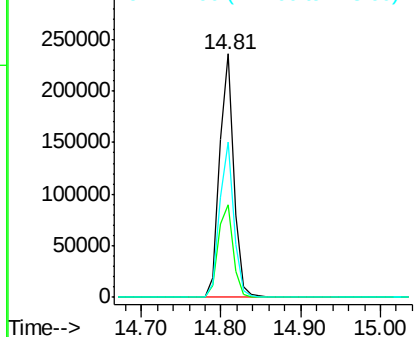
#91
 1,2-Dichlorobenzene
 Concen: 23.183 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

Tot Ion:146 Resp: 299630
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.2 63.6
 148 63.9 31.6 95.0

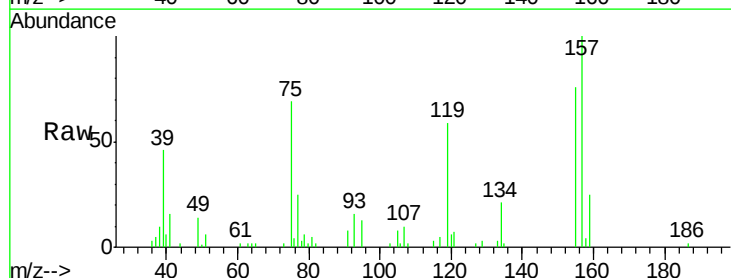


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

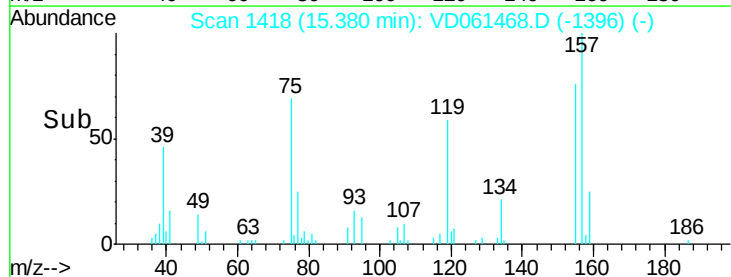
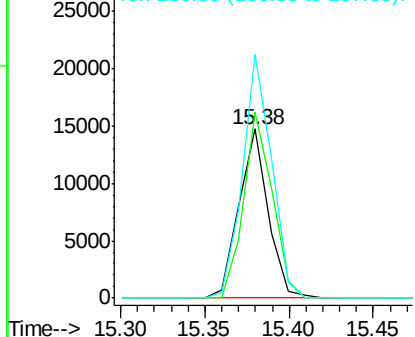


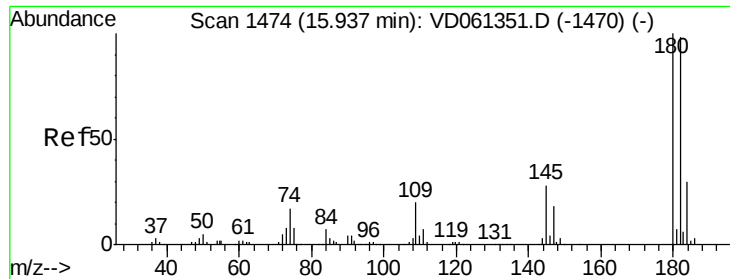
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.726 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion: 75 Resp: 17648
 Ion Ratio Lower Upper
 75 100
 155 109.9 43.6 130.9
 157 144.3 58.5 175.3



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

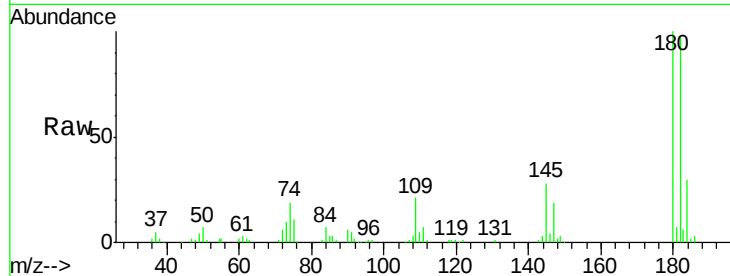




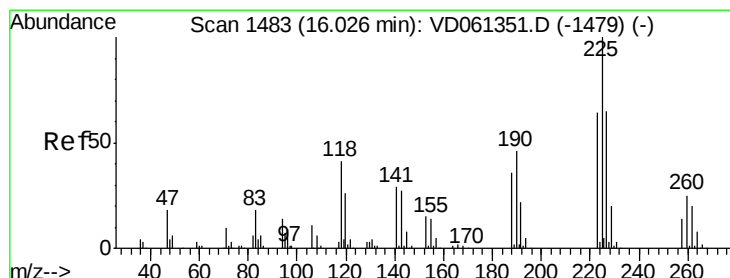
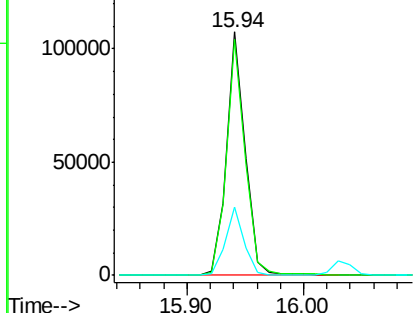
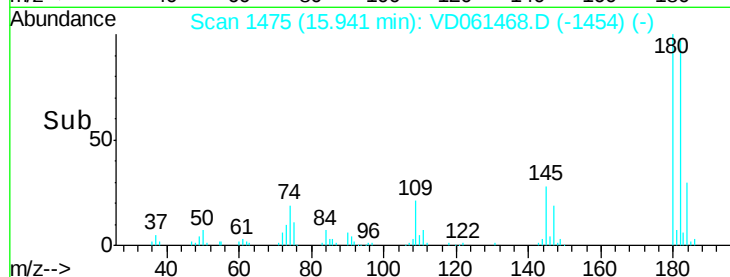
#93
 1,2,4-Trichlorobenzene
 Concen: 20.372 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.9	146.8
145	28.1	14.1	42.3

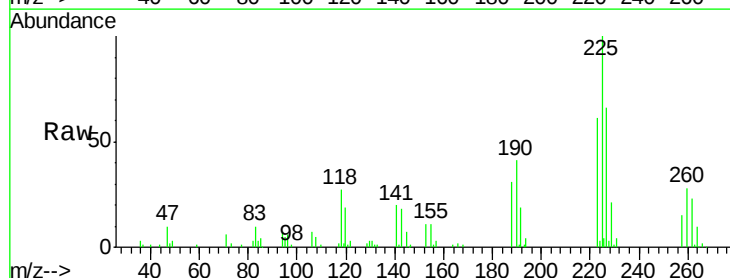


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

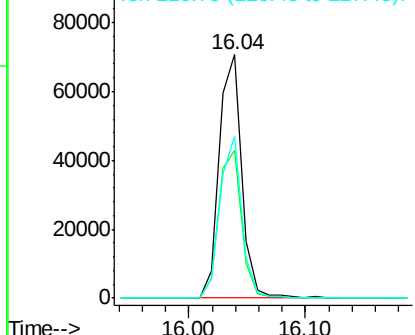
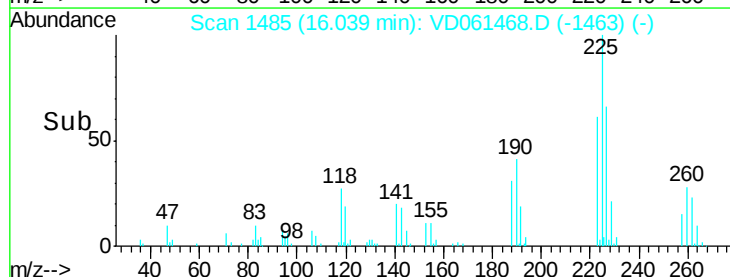


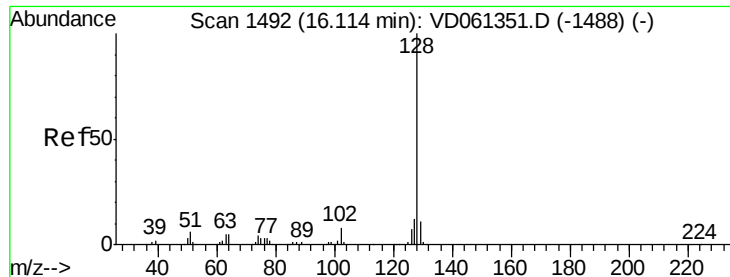
#94
 Hexachlorobutadiene
 Concen: 20.515 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061468.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.0	96.0
227	66.4	32.4	97.2



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

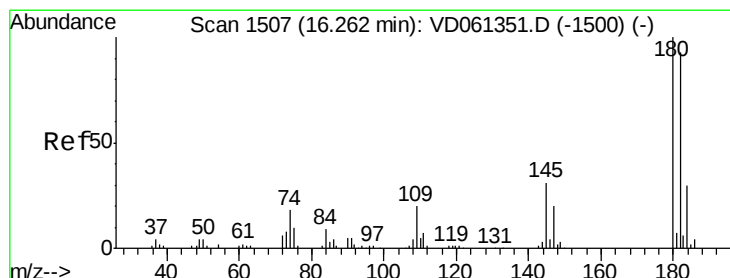
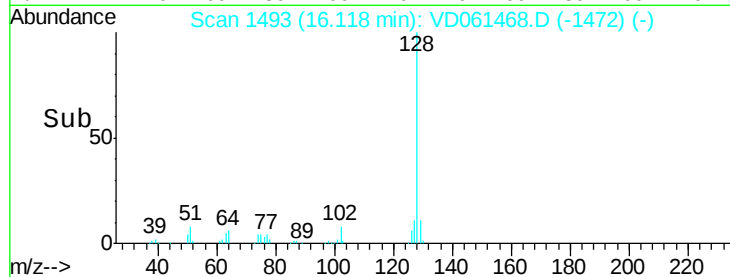
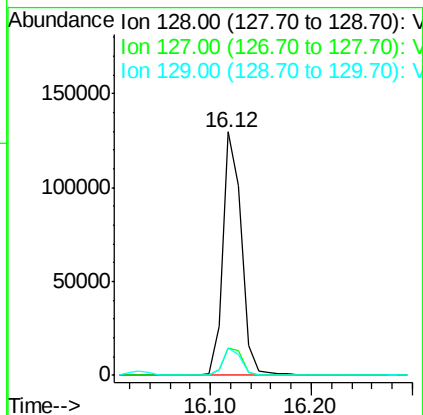
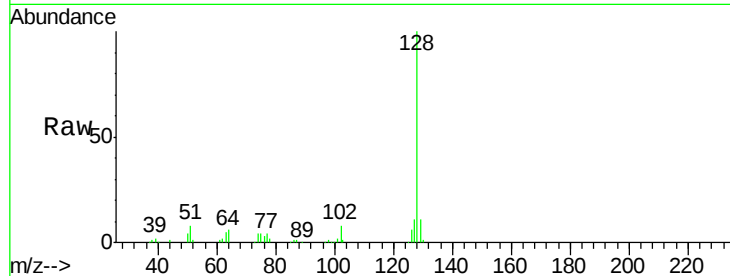




#95
Naphthalene
Concen: 18.481 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
VD0401SBSD01

Tot Ion:128 Resp: 165859
Ion Ratio Lower Upper
128 100
127 11.2 9.9 14.9
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.056 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061468.D
Acq: 1 Apr 2019 15:04

Tgt Ion:180 Resp: 54554
Ion Ratio Lower Upper
180 100
182 93.6 46.4 139.1
145 31.5 15.3 45.9

