

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061698.D
 Acq On : 10 Apr 2019 4:22
 Operator : VA/AP
 Sample : VD0409SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 04:52:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	564700	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	972231	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	839173	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	391871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	232252	54.26	ug/l	0.03
Spiked Amount 50.000			Recovery =	108.52%		
35) Dibromofluoromethane	6.95	113	368250	54.67	ug/l	0.03
Spiked Amount 50.000			Recovery =	109.34%		
50) Toluene-d8	10.43	98	847144	50.06	ug/l	0.03
Spiked Amount 50.000			Recovery =	100.12%		
62) 4-Bromofluorobenzene	13.57	95	315259	53.86	ug/l	0.02
Spiked Amount 50.000			Recovery =	107.72%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	95233	15.632	ug/l	98
3) Chloromethane	1.76	50	84726	17.210	ug/l	94
4) Vinyl Chloride	1.86	62	81305	17.674	ug/l	99
5) Bromomethane	2.15	94	18125	17.022	ug/l	99
6) Chloroethane	2.26	64	24310	16.872	ug/l #	87
7) Trichlorofluoromethane	2.54	101	118345	17.038	ug/l	97
8) Diethyl Ether	2.89	74	37333	19.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.17	101	122208	17.896	ug/l	96
10) Methyl Iodide	3.33	142	176926	19.758	ug/l #	96
11) Tert butyl alcohol	4.08	59	27892	97.230	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	101570	17.254	ug/l	91
13) Acrolein	3.05	56	29924	85.558	ug/l	93
14) Allyl chloride	3.64	41	159820	19.905	ug/l	94
15) Acrylonitrile	4.22	53	94957	96.160	ug/l	95
16) Acetone	3.24	43	96341	75.293	ug/l	99
17) Carbon Disulfide	3.39	76	340796	17.816	ug/l	100
18) Methyl Acetate	3.66	43	56032	23.275	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	213624	20.957	ug/l	100
20) Methylene Chloride	3.84	84	143551	19.770	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	122369	19.139	ug/l	96
22) Diisopropyl ether	5.15	45	331970	19.720	ug/l	96
23) Vinyl Acetate	5.08	43	912591	98.246	ug/l	98
24) 1,1-Dichloroethane	5.01	63	198632	19.255	ug/l	99
25) 2-Butanone	6.10	43	128029	86.793	ug/l	99
26) 2,2-Dichloropropane	6.05	77	135643	16.148	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	126808	18.591	ug/l	99
28) Bromochloromethane	6.47	49	69120	18.164	ug/l	100
29) Tetrahydrofuran	6.49	42	68101	95.636	ug/l	99
30) Chloroform	6.69	83	220205	20.377	ug/l	100
31) Cyclohexane	6.99	56	133065	16.511	ug/l	95
32) 1,1,1-Trichloroethane	6.90	97	176838	18.673	ug/l	99
36) 1,1-Dichloropropene	7.17	75	151805	17.841	ug/l	95
37) Ethyl Acetate	6.21	43	69600	20.082	ug/l #	97
38) Carbon Tetrachloride	7.14	117	173190	17.367	ug/l	99

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 ALS Vial : 35 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	150488	17.227	ug/l	95
40) Benzene	7.48	78	383516	18.683	ug/l	99
41) Methacrylonitrile	6.48	41	77717	19.209	ug/l #	96
42) 1,2-Dichloroethane	7.61	62	130092	20.152	ug/l	98
43) Isopropyl Acetate	9.26	43	89171	17.728	ug/l #	97
44) Trichloroethene	8.56	130	152073	19.324	ug/l	97
45) 1,2-Dichloropropane	8.97	63	103011	20.235	ug/l	99
46) Dibromomethane	9.08	93	71442	19.636	ug/l	94
47) Bromodichloromethane	9.40	83	163054	20.405	ug/l	99
48) Methyl methacrylate	9.14	41	52396	18.072	ug/l	88
49) 1,4-Dioxane	9.10	88	12468	389.589	ug/l	94
51) 4-Methyl-2-Pentanone	10.32	43	298637	100.395	ug/l	100
52) Toluene	10.53	92	269215	21.003	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	145136	20.720	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	161983	18.760	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	88151	20.390	ug/l	95
56) Ethyl methacrylate	11.06	69	93581	20.519	ug/l	98
57) 1,3-Dichloropropane	11.43	76	139073	21.967	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	259407	120.546	ug/l	95
59) 2-Hexanone	11.56	43	221299	95.861	ug/l	96
60) Dibromochloromethane	11.70	129	137654	20.154	ug/l	98
61) 1,2-Dibromoethane	11.82	107	105657	20.898	ug/l	94
64) Tetrachloroethene	11.28	164	121542	18.659	ug/l	98
65) Chlorobenzene	12.41	112	323191	19.420	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	125104	19.536	ug/l	97
67) Ethyl Benzene	12.54	91	463086	18.274	ug/l	99
68) m/p-Xylenes	12.69	106	359747	36.822	ug/l	99
69) o-Xylene	13.06	106	161728	17.149	ug/l	100
70) Styrene	13.08	104	279724	17.368	ug/l	96
71) Bromoform	13.25	173	81907	20.614	ug/l	99
73) Isopropylbenzene	13.42	105	455210	17.434	ug/l	98
74) N-amyl acetate	13.28	43	133887	18.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	97398	18.040	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	98658	18.505	ug/l	98
77) Bromobenzene	13.68	156	142659	18.823	ug/l	88
78) n-propylbenzene	13.79	91	568640	18.206	ug/l	96
79) 2-Chlorotoluene	13.85	91	348199	19.495	ug/l	92
80) 1,3,5-Trimethylbenzene	13.95	105	418988	20.217	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	26027	16.088	ug/l	90
82) 4-Chlorotoluene	13.96	91	404198	20.652	ug/l	96
83) tert-Butylbenzene	14.20	119	471998	18.889	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	401686	19.204	ug/l	98
85) sec-Butylbenzene	14.38	105	451702	16.731	ug/l	97
86) p-Isopropyltoluene	14.50	119	380177	16.233	ug/l	95
87) 1,3-Dichlorobenzene	14.47	146	246845	18.925	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	241361	18.339	ug/l	98
89) n-Butylbenzene	14.80	91	385709	18.948	ug/l	97
90) Hexachloroethane	15.02	117	114801	18.065	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	209806	19.517	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12563	19.283	ug/l	66

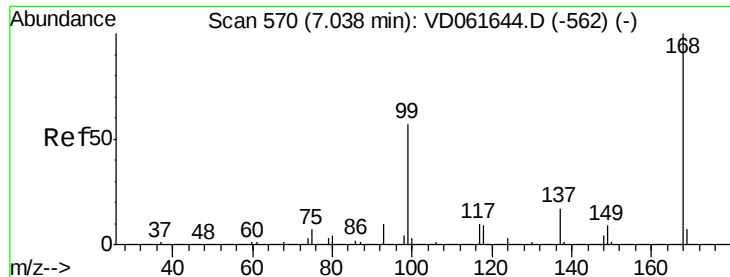
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061698.D
Acq On : 10 Apr 2019 4:22
Operator : VA/AP
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Quant Time: Apr 10 04:52:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	107946	19.709	µg/l	97
94) Hexachlorobutadiene	16.04	225	85426	20.200	µg/l	97
95) Naphthalene	16.13	128	195843	22.599	µg/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	67232	24.596	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

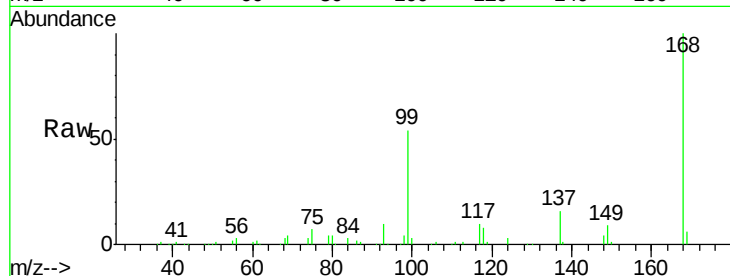
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 564700

Ion Ratio Lower Upper

168 100

99 54.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

200000

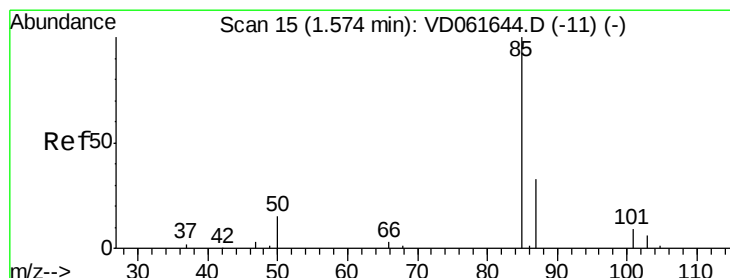
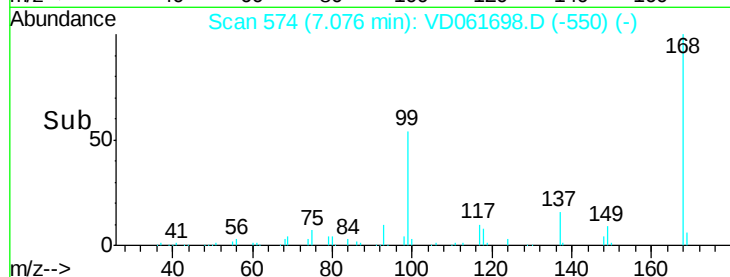
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 15.632 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061698.D

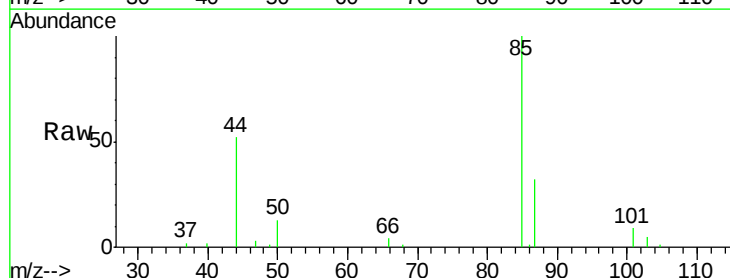
Acq: 10 Apr 2019 4:22

Tgt Ion: 85 Resp: 95233

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

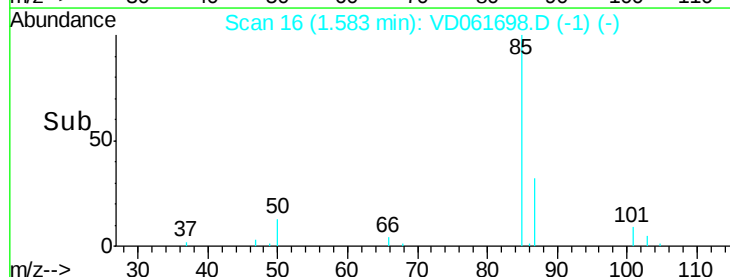
30000

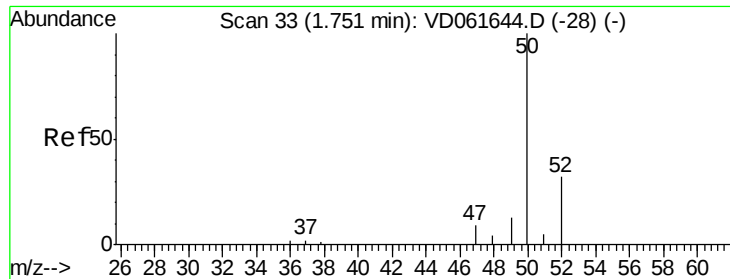
20000

10000

0

Time--> 1.50 1.60 1.70





#3

Chloromethane

Concen: 17.210 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

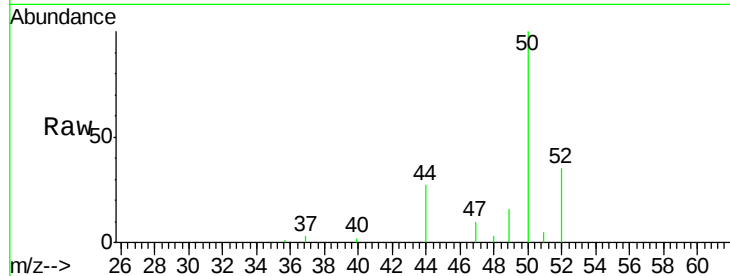
ClientSampleId :

Tot Ion: 50 Resp: 84726

Ion Ratio Lower Upper

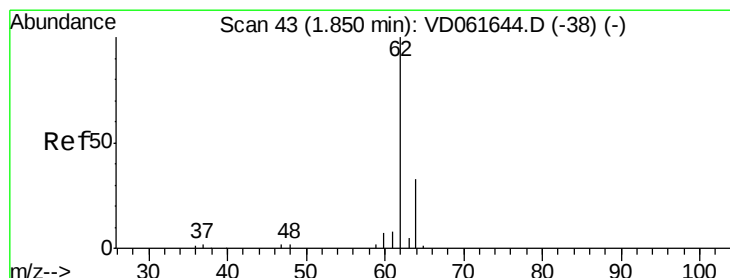
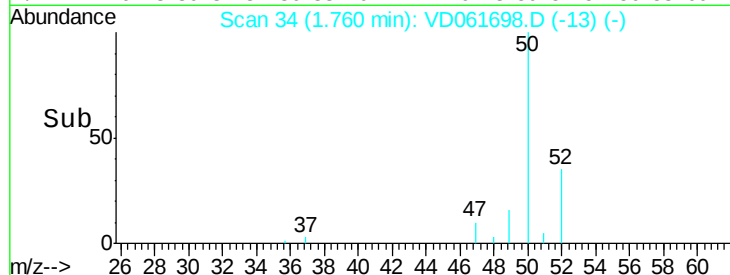
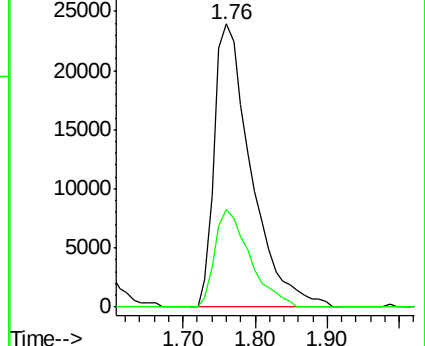
50 100

52 34.7 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.674 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061698.D

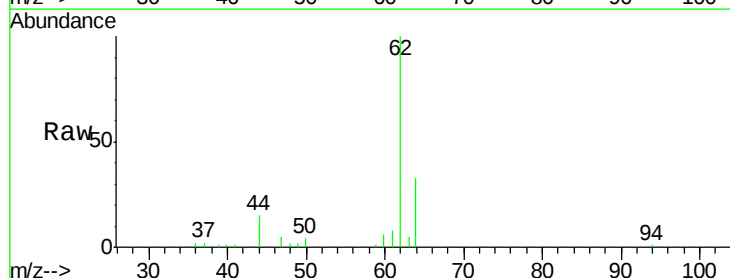
Acq: 10 Apr 2019 4:22

Tgt Ion: 62 Resp: 81305

Ion Ratio Lower Upper

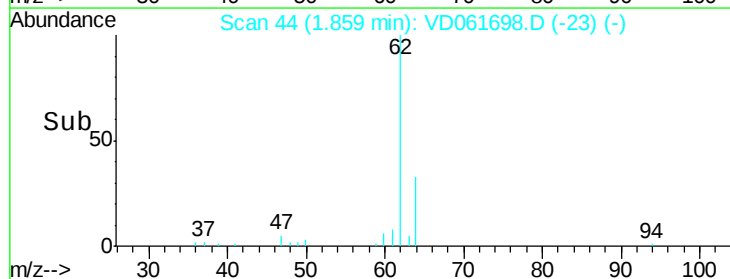
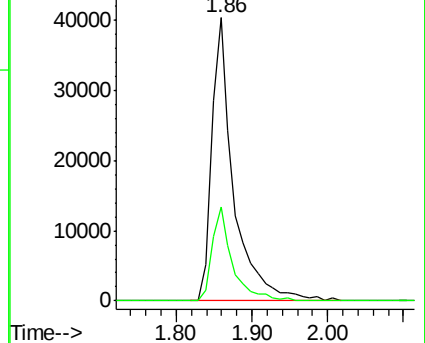
62 100

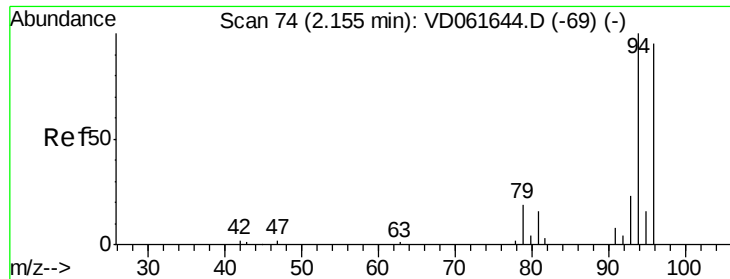
64 33.1 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.022 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

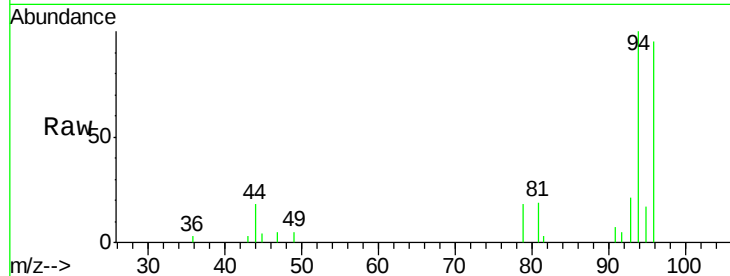
Tot Ion: 94 Resp: 18125

Ion Ratio Lower Upper

94 100

96 95.3 75.8 113.8

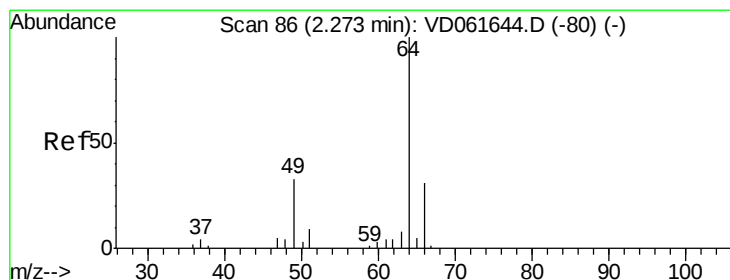
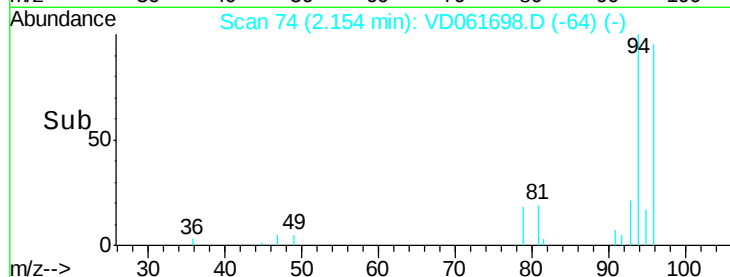
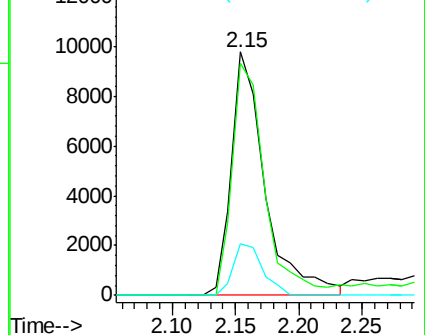
93 21.3 18.6 28.0



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: 16.872 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061698.D

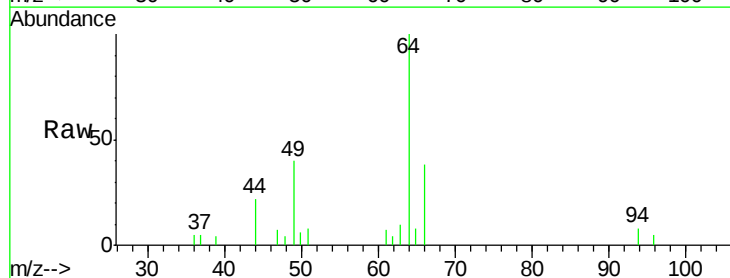
Acq: 10 Apr 2019 4:22

Tgt Ion: 64 Resp: 24310

Ion Ratio Lower Upper

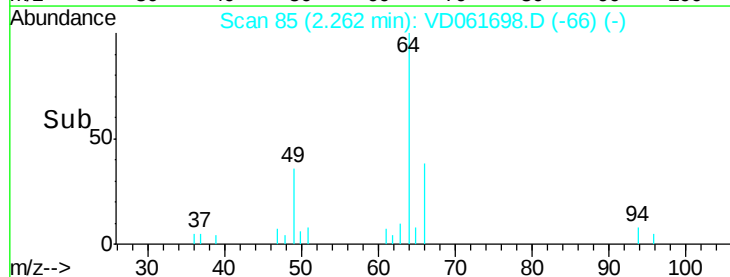
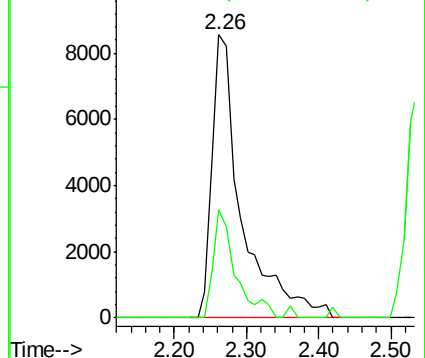
64 100

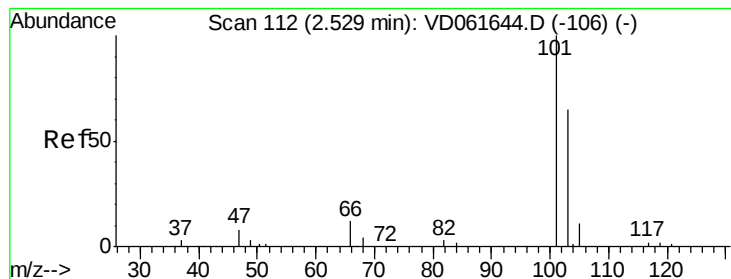
66 38.0 24.9 37.3#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



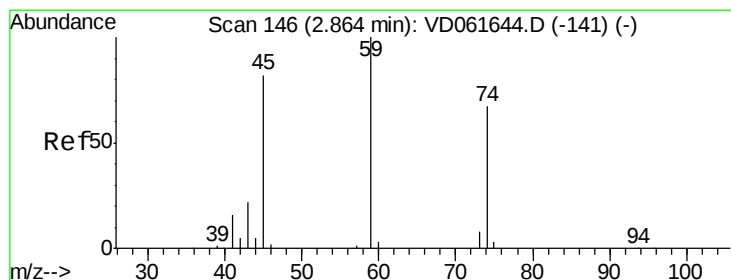
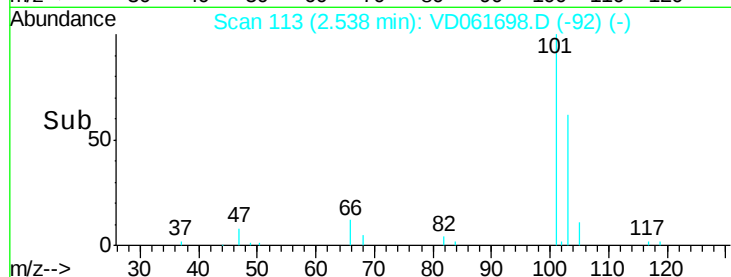
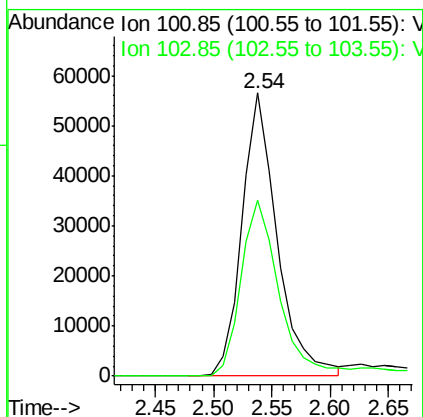
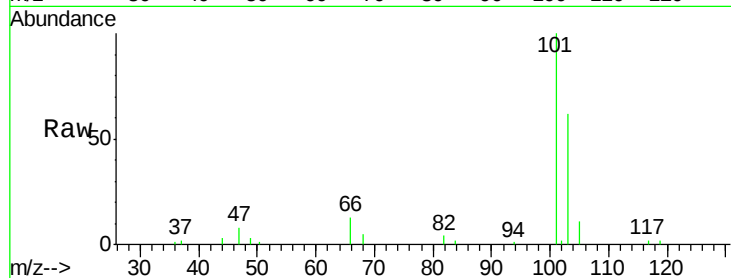


#7

Trichlorofluoromethane
Concen: 17.038 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

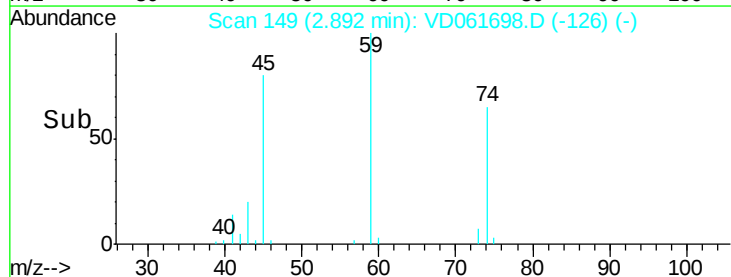
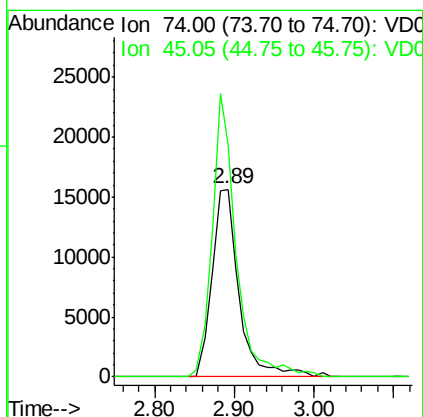
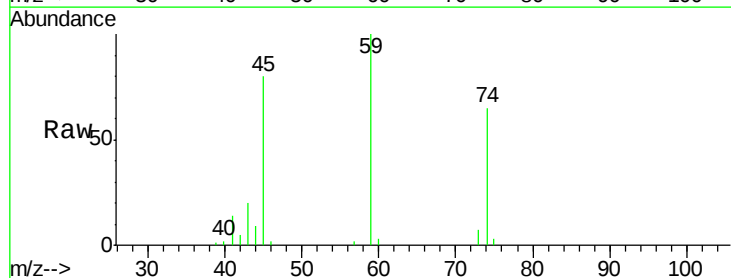
Tot Ion:101 Resp: 118345
Ion Ratio Lower Upper
101 100
103 62.3 52.0 78.0

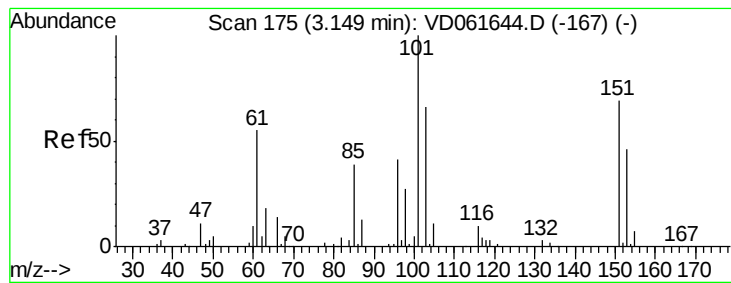


#8

Diethyl Ether
Concen: 19.152 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 74 Resp: 37333
Ion Ratio Lower Upper
74 100
45 123.7 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.896 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampled :

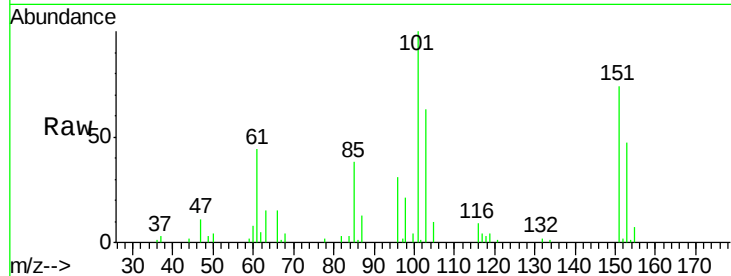
Tot Ion:101 Resp: 122208

Ion Ratio Lower Upper

101 100

85 38.3 31.0 46.6

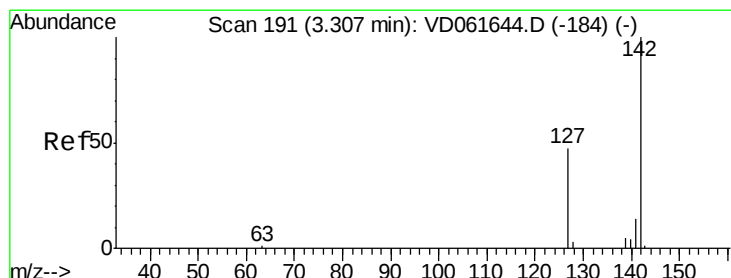
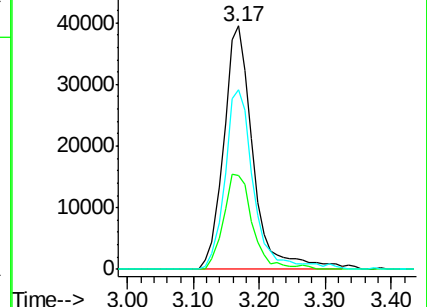
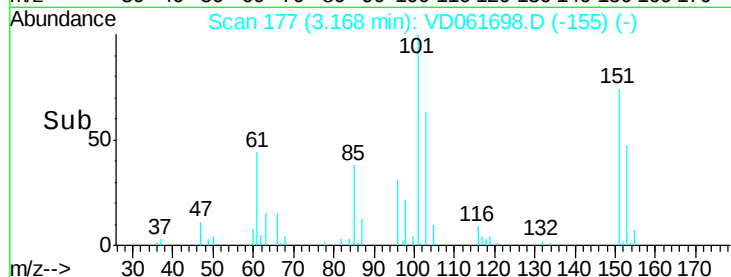
151 73.9 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.758 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

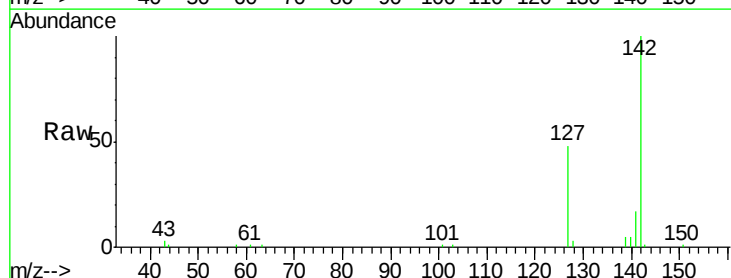
Tgt Ion:142 Resp: 176926

Ion Ratio Lower Upper

142 100

127 48.2 37.2 55.8

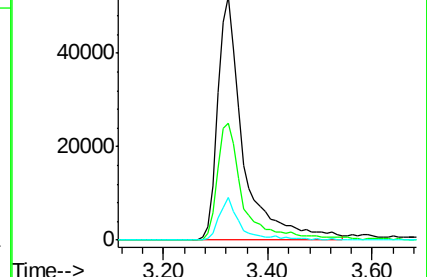
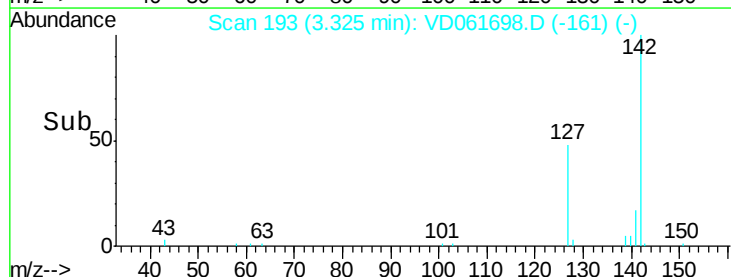
141 17.3 10.8 16.2#

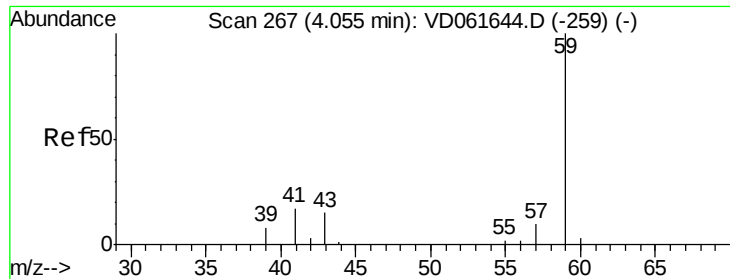


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

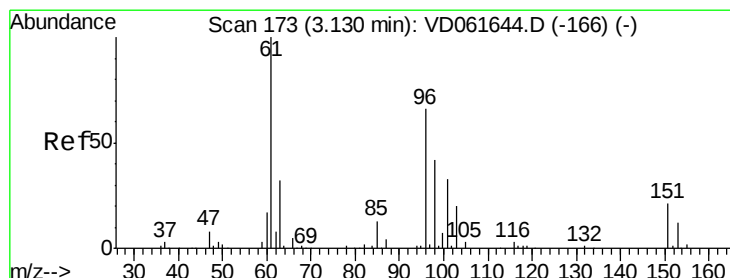
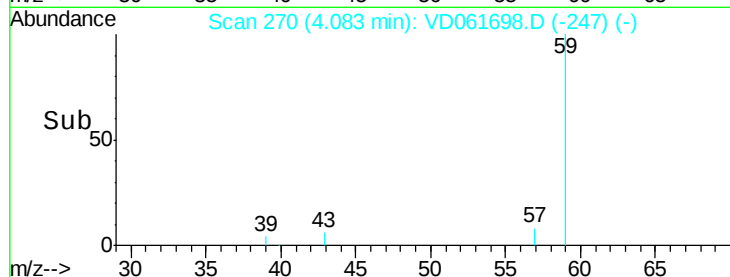
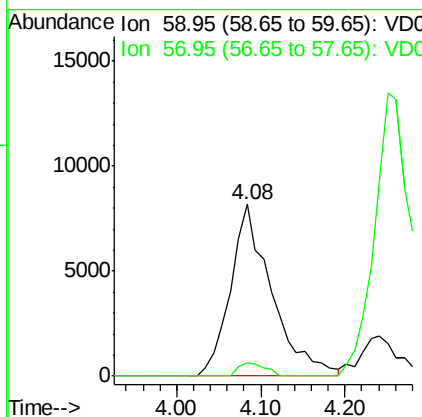
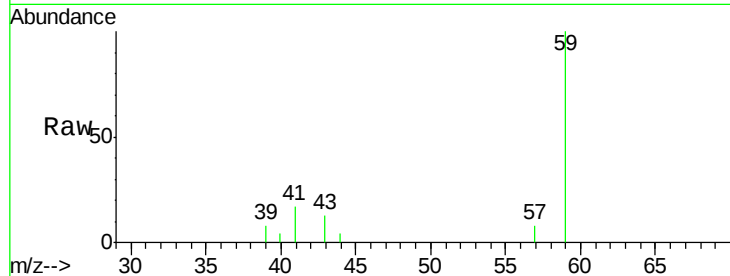




#11
Tert butyl alcohol
Concen: 97.230 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

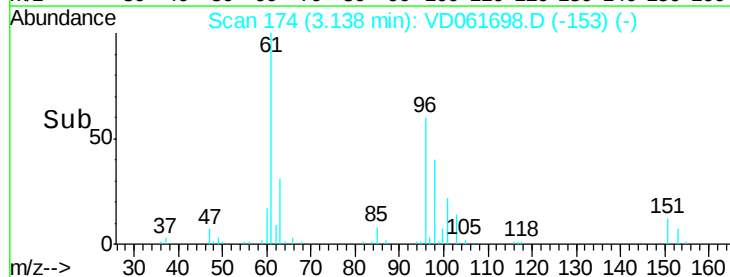
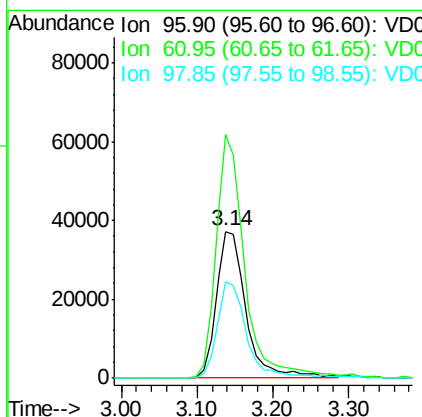
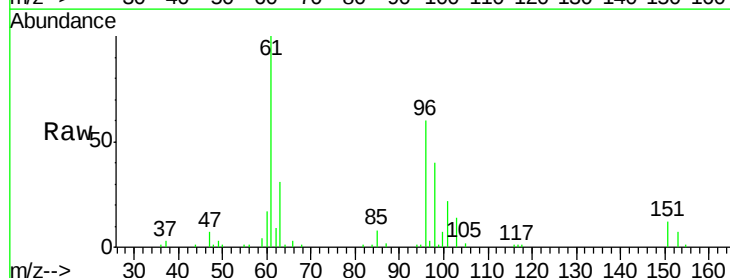
Instrument :
MSVOA_D
ClientSampled :

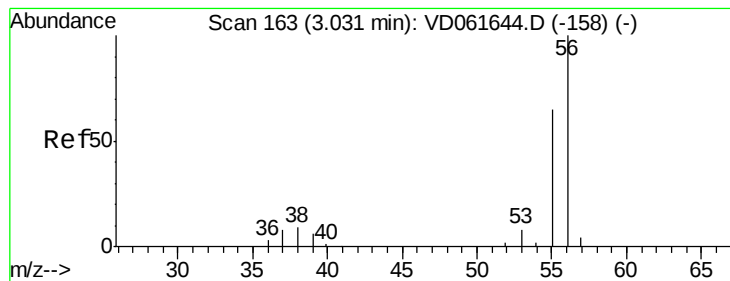
Tot Ion: 59 Resp: 27892
Ion Ratio Lower Upper
59 100
57 7.9 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 17.254 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 96 Resp: 101570
Ion Ratio Lower Upper
96 100
61 166.0 121.3 181.9
98 65.8 50.6 76.0





#13

Acrolein

Concen: 85.558 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

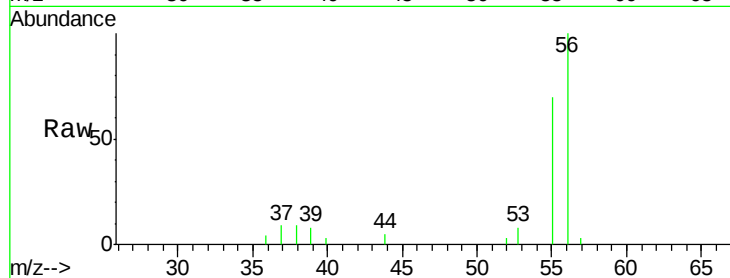
ClientSampleId :

Tot Ion: 56 Resp: 29924

Ion Ratio Lower Upper

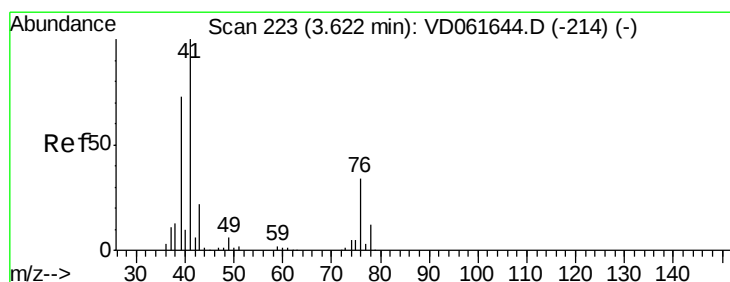
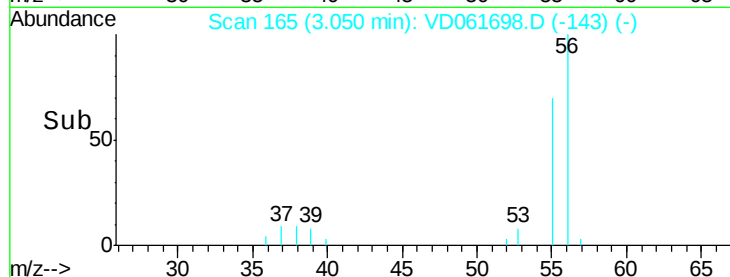
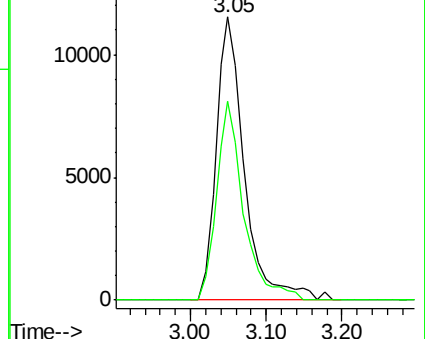
56 100

55 70.1 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.905 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

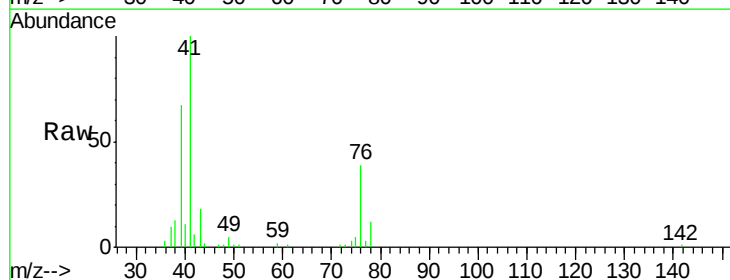
Tgt Ion: 41 Resp: 159820

Ion Ratio Lower Upper

41 100

39 66.6 58.2 87.4

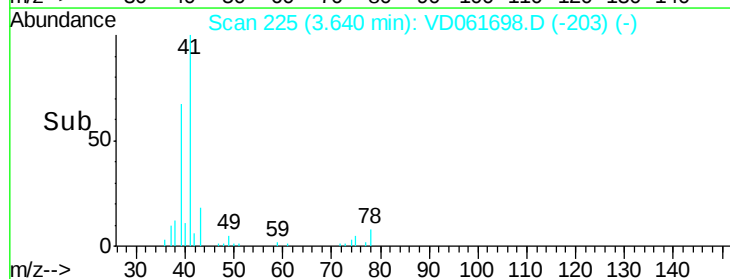
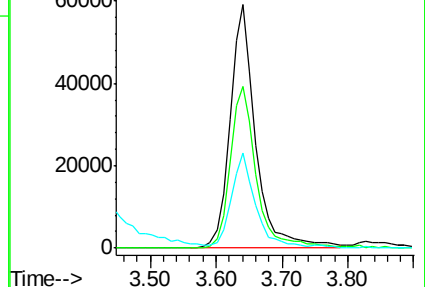
76 38.9 29.8 44.6

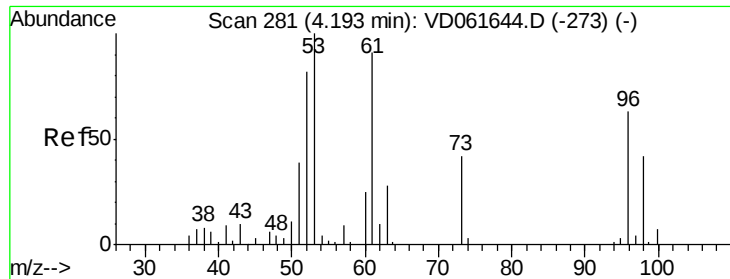


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

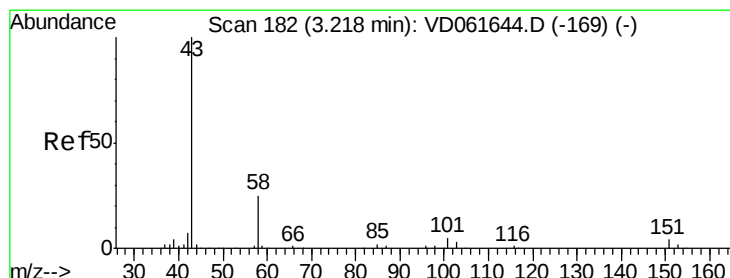
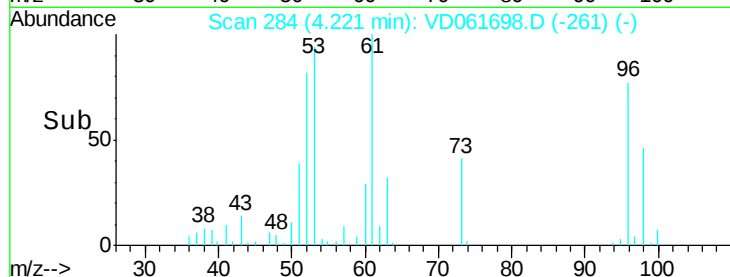
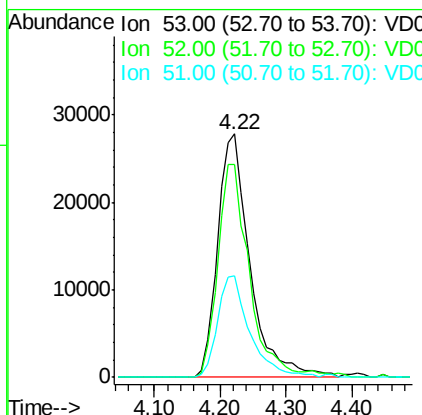
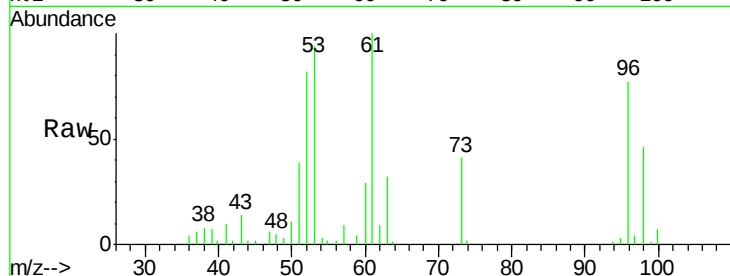




#15
Acrylonitrile
Concen: 96.160 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

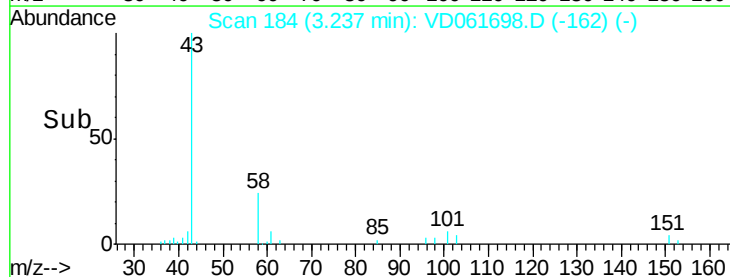
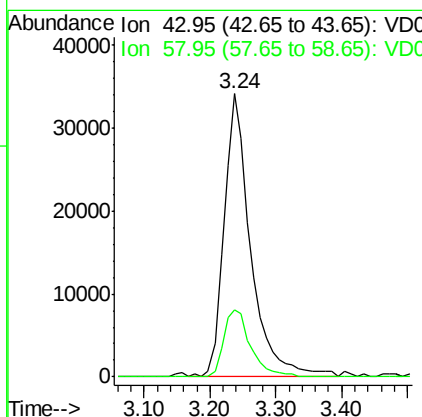
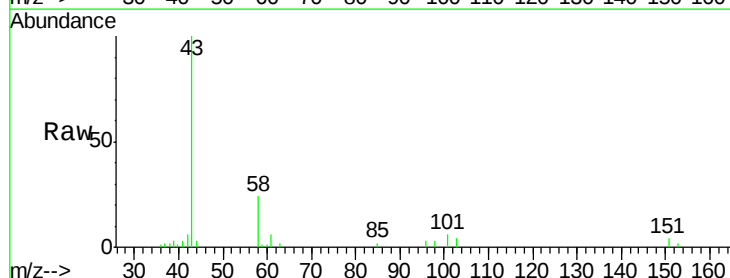
Instrument :
MSVOA_D
ClientSampled :

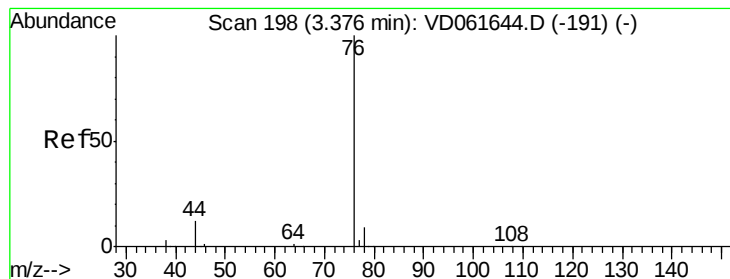
Tot Ion: 53 Resp: 94957
Ion Ratio Lower Upper
53 100
52 87.4 65.9 98.9
51 41.6 31.4 47.2



#16
Acetone
Concen: 75.293 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 43 Resp: 96341
Ion Ratio Lower Upper
43 100
58 23.9 19.7 29.5





#17

Carbon Disulfide

Concen: 17.816 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

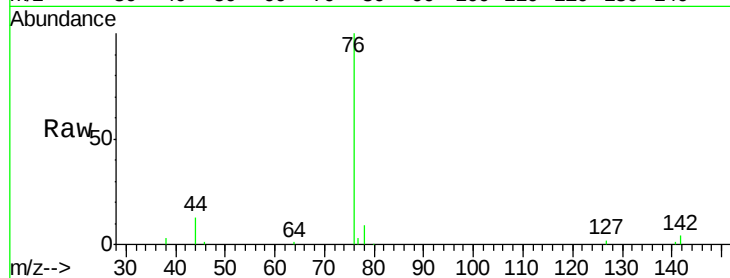
ClientSampleId :

Tot Ion: 76 Resp: 340796

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

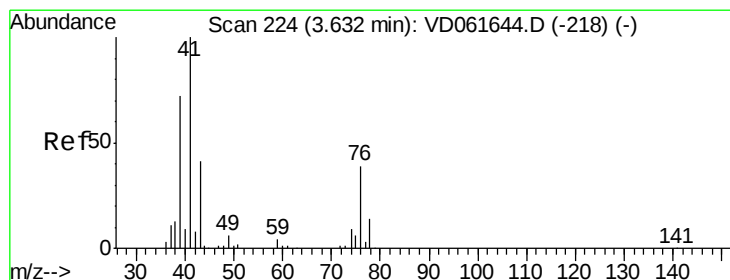
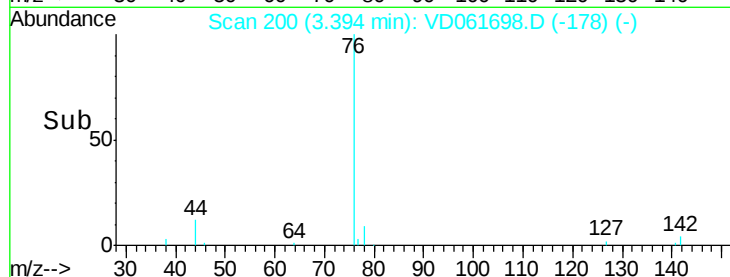
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.275 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD061698.D

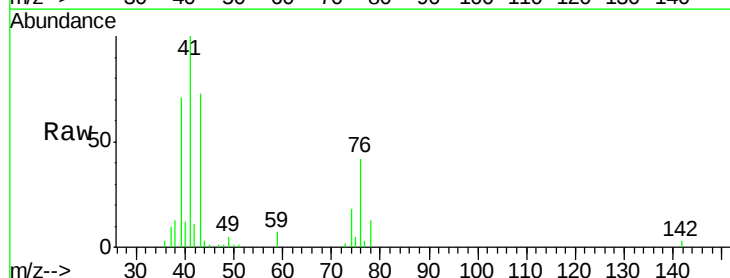
Acq: 10 Apr 2019 4:22

Tgt Ion: 43 Resp: 56032

Ion Ratio Lower Upper

43 100

74 24.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

20000

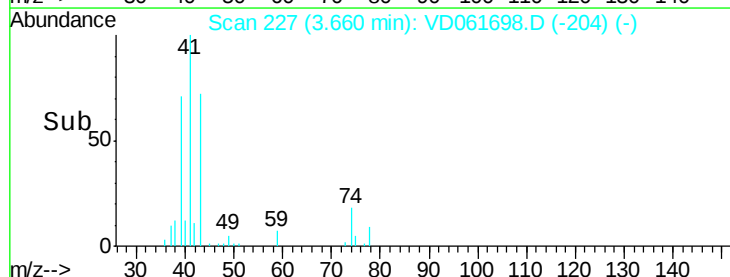
15000

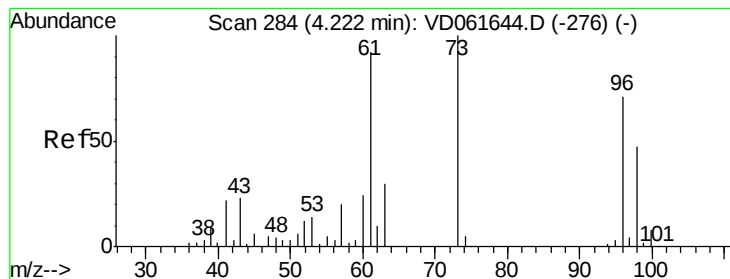
10000

5000

0

Time-->



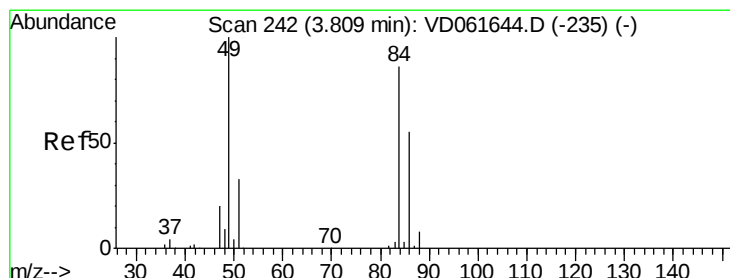
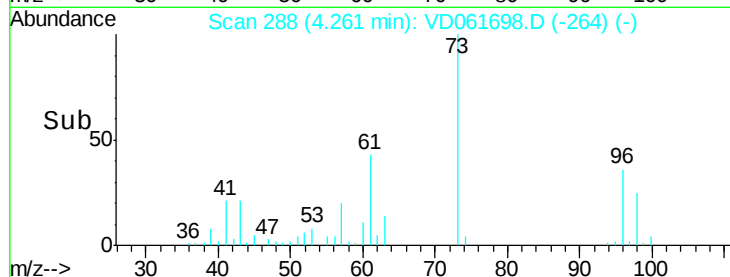
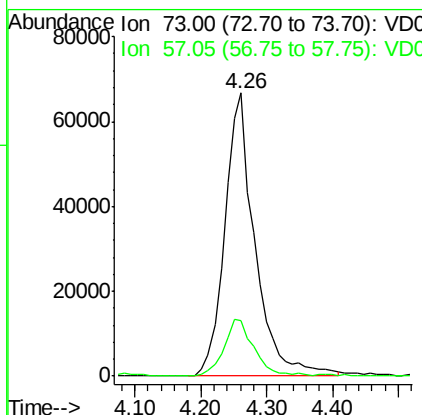
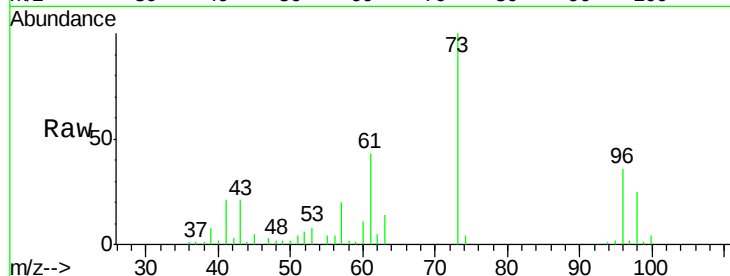


#19

Methyl tert-butyl Ether
 Concen: 20.957 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.04 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleID :

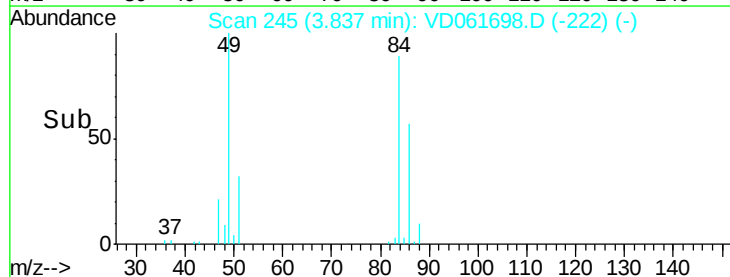
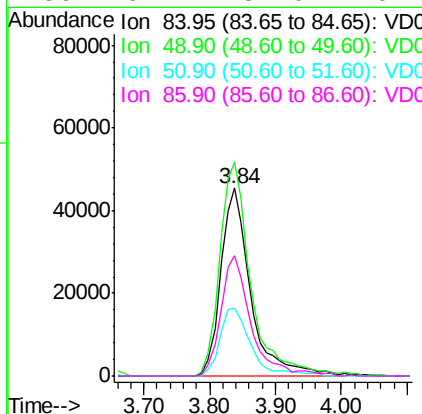
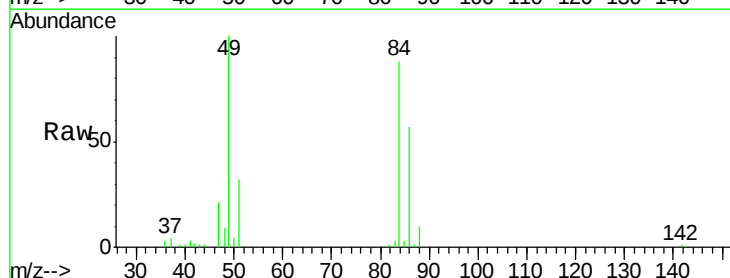
Tot Ion: 73 Resp: 213624
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.0 24.0

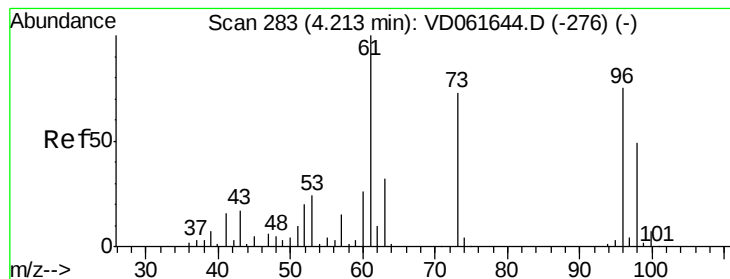


#20

Methylene Chloride
 Concen: 19.770 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 84 Resp: 143551
 Ion Ratio Lower Upper
 84 100
 49 113.7 93.0 139.4
 51 36.0 30.4 45.6
 86 64.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.139 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampled :

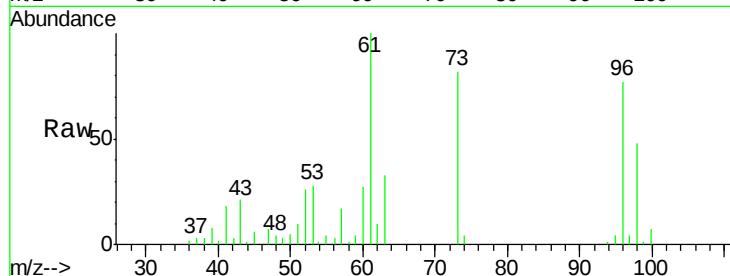
Tot Ion: 96 Resp: 122369

Ion Ratio Lower Upper

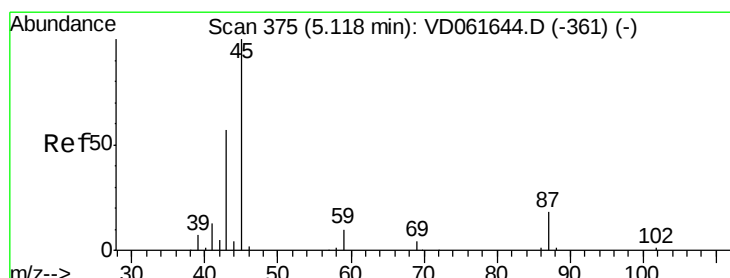
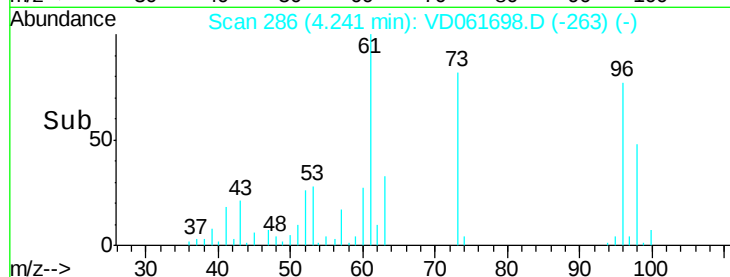
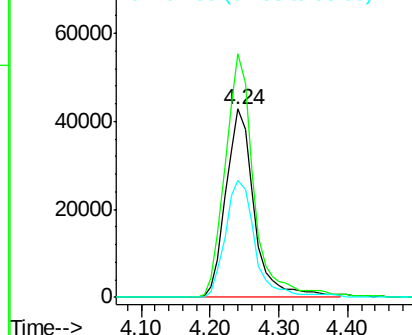
96 100

61 129.2 106.8 160.2

98 61.7 52.2 78.2



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



#22

Diisopropyl ether

Concen: 19.720 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Tgt Ion: 45 Resp: 331970

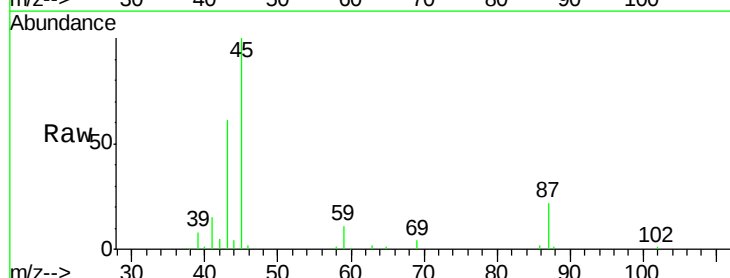
Ion Ratio Lower Upper

45 100

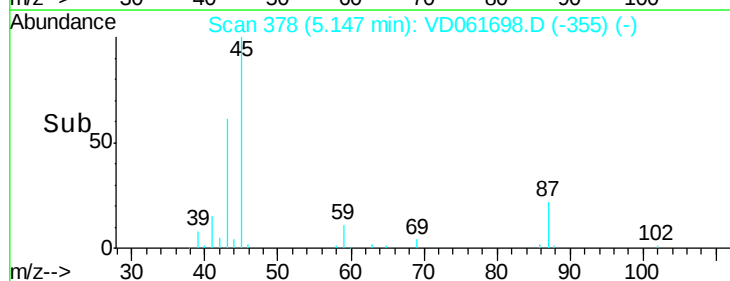
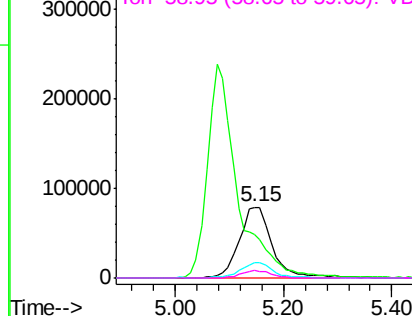
43 61.0 46.6 70.0

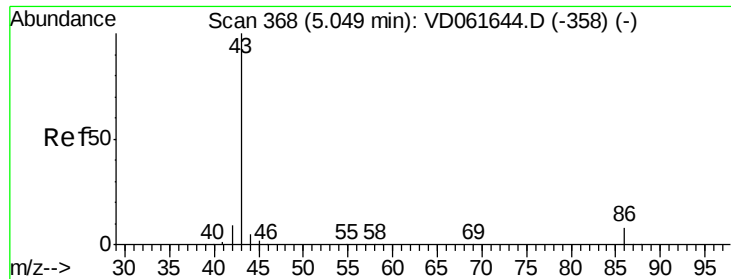
87 21.9 15.6 23.4

59 10.6 8.6 13.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 98.246 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

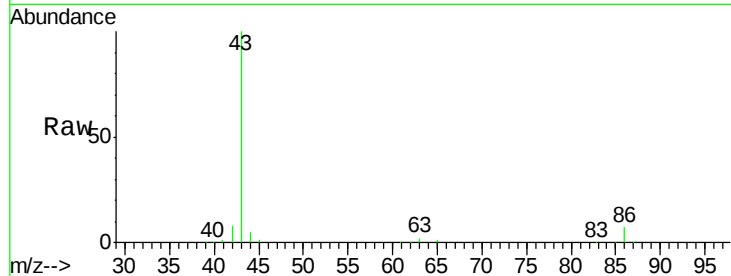
ClientSampled :

Tot Ion: 43 Resp: 912591

Ion Ratio Lower Upper

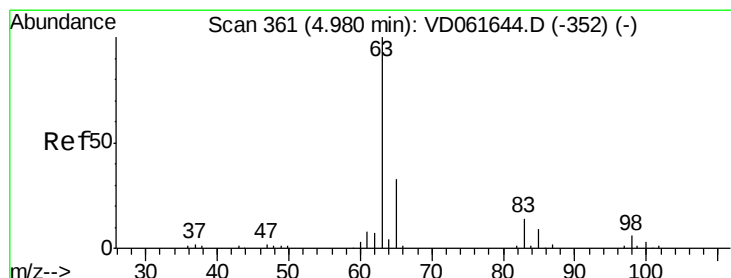
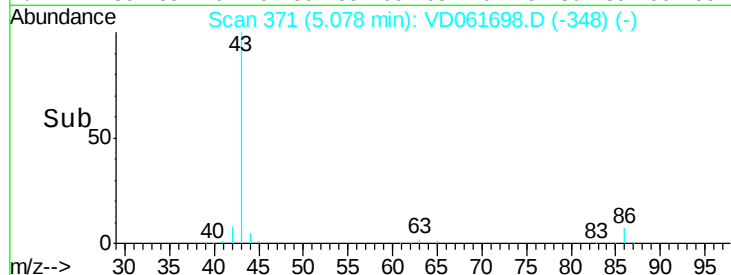
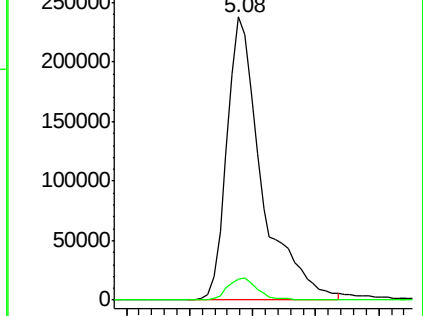
43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.255 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

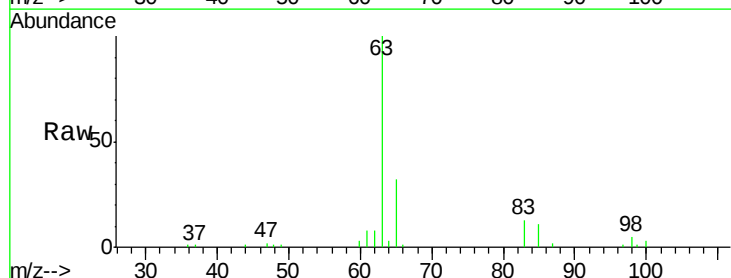
Tgt Ion: 63 Resp: 198632

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

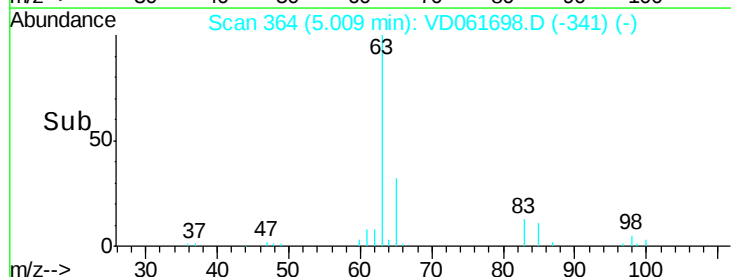
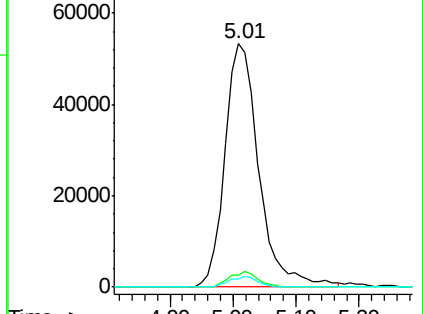
100 3.1 1.7 5.1

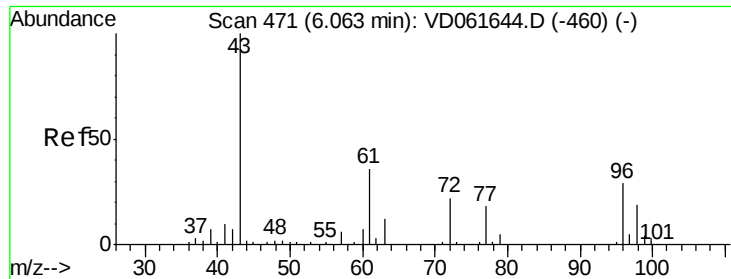


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 86.793 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

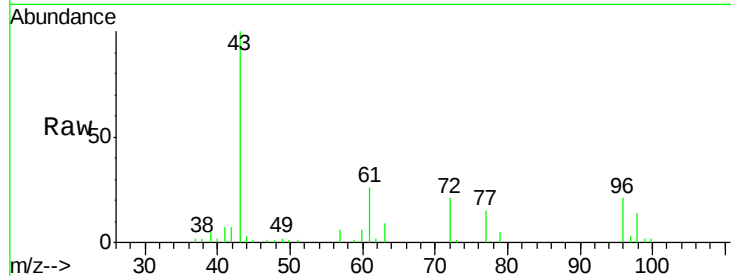
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 128029

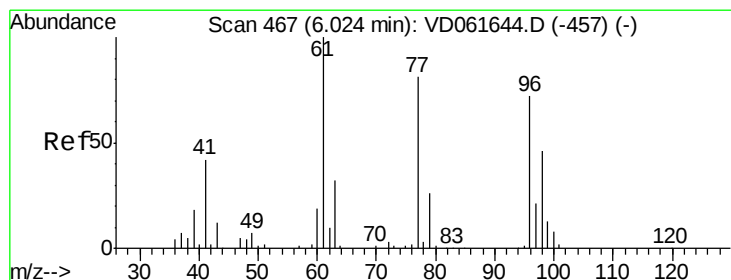
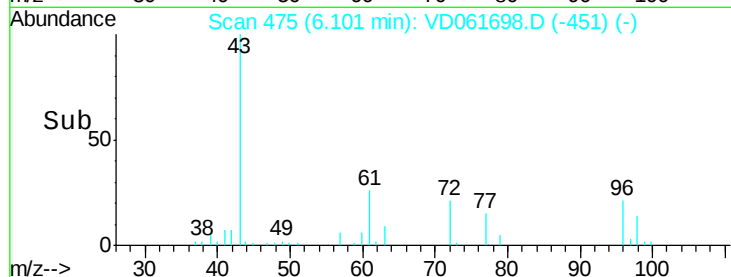
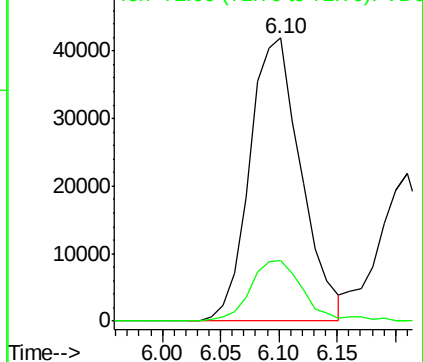
Ion Ratio Lower Upper

43 100

72 21.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 16.148 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061698.D

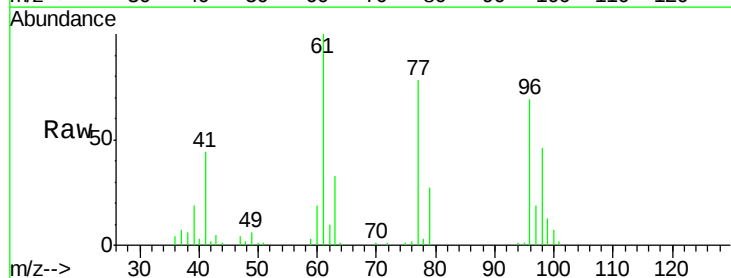
Acq: 10 Apr 2019 4:22

Tgt Ion: 77 Resp: 135643

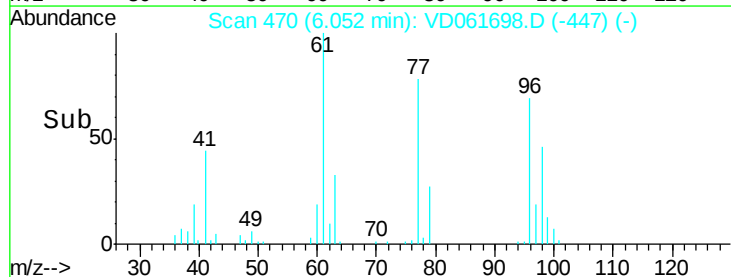
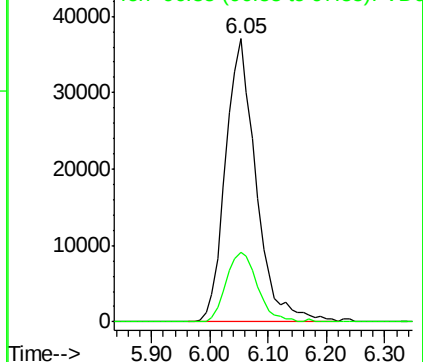
Ion Ratio Lower Upper

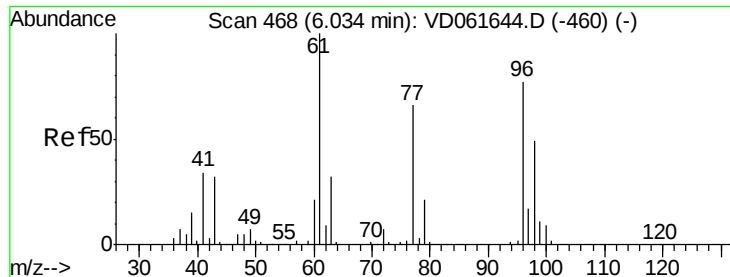
77 100

97 24.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



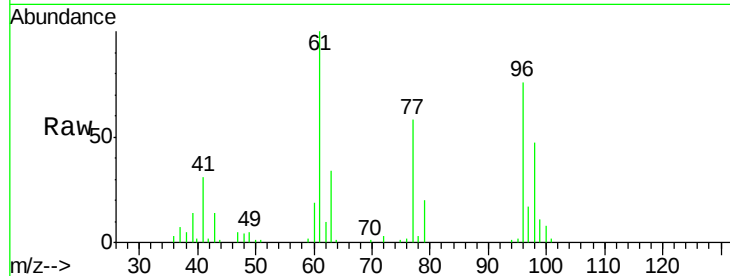


#27

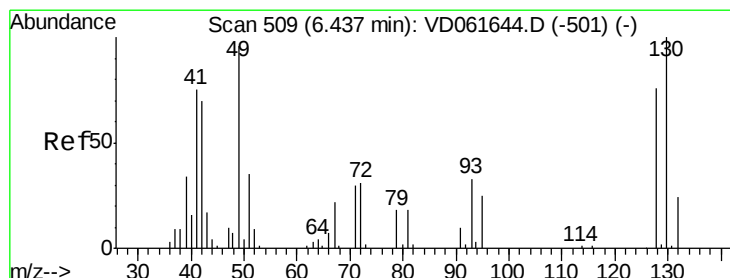
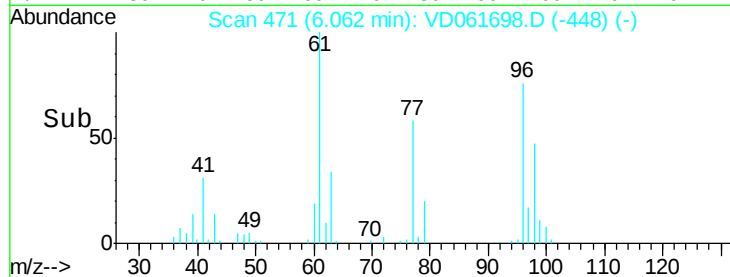
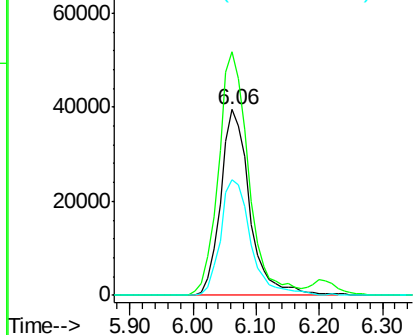
cis-1,2-Dichloroethene
 Concen: 18.591 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	126808
Ion	Ratio	Lower	Upper
96	100		
61	131.2	0.0	259.8
98	62.2	0.0	127.6



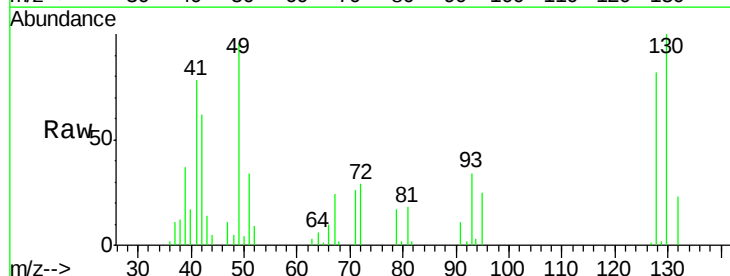
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



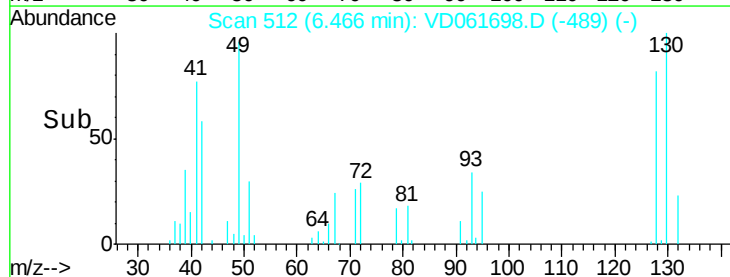
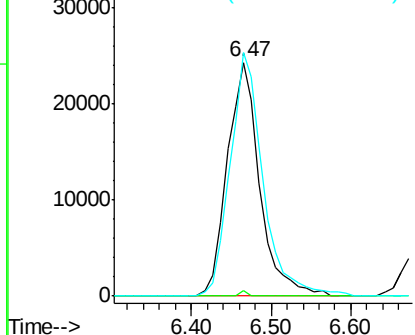
#28

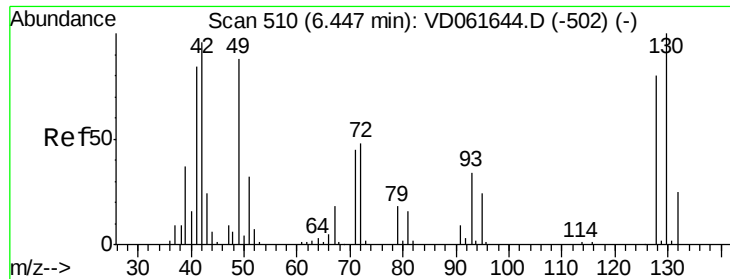
Bromochloromethane
 Concen: 18.164 ug/l
 RT: 6.47 min Scan# 512
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion	49	Resp	69120
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	104.0	83.3	124.9



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

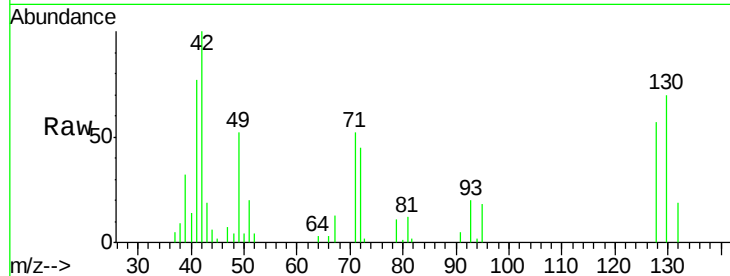




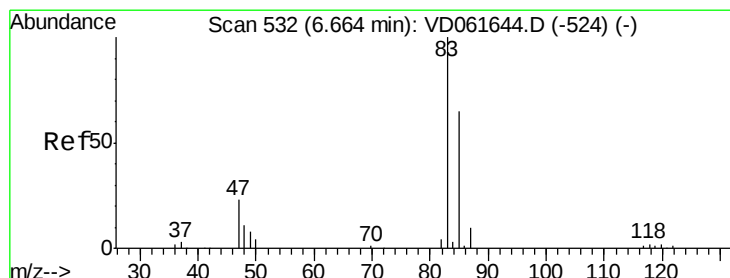
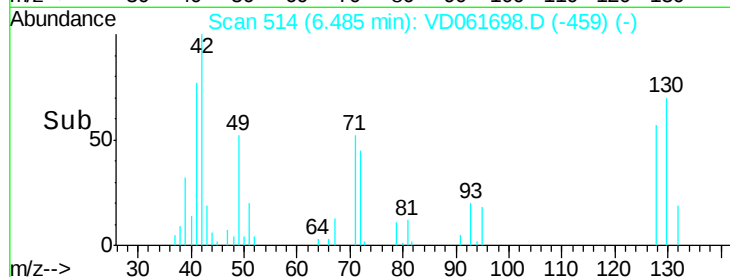
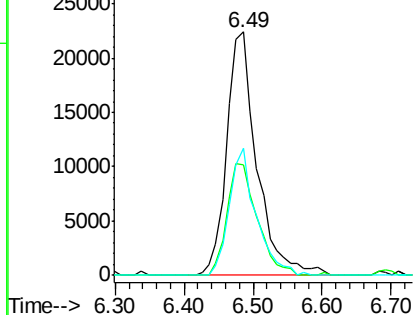
#29
Tetrahydrofuran
Concen: 95.636 ug/l
RT: 6.49 min Scan# 514
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.0	55.6
71	46.3	36.5	54.7

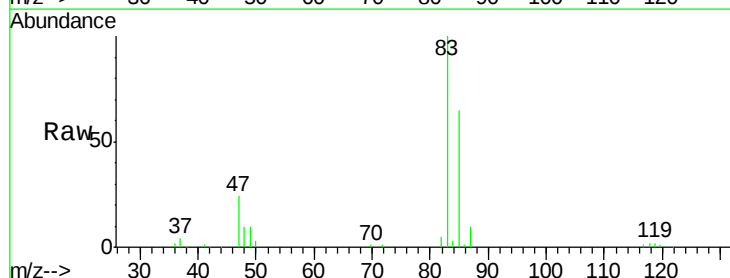


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

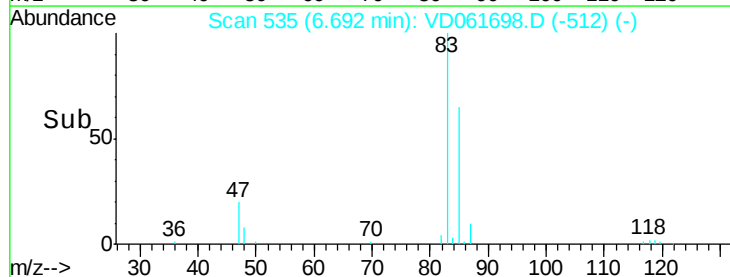
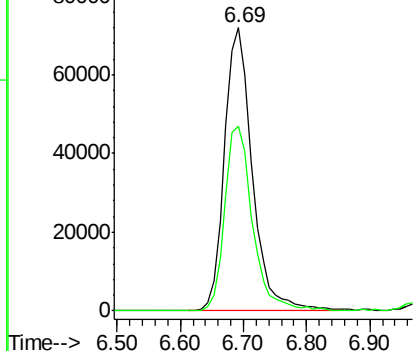


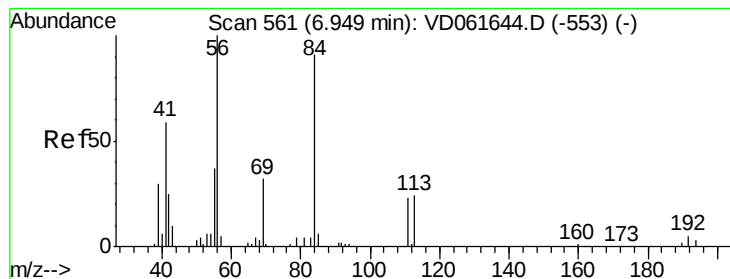
#30
Chloroform
Concen: 20.377 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.9	77.9



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





#31

Cyclohexane

Concen: 16.511 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

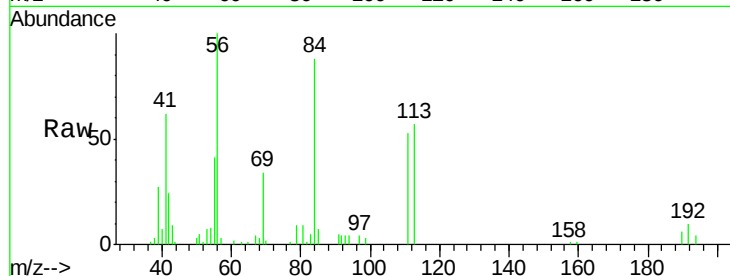
Tot Ion: 56 Resp: 133065

Ion Ratio Lower Upper

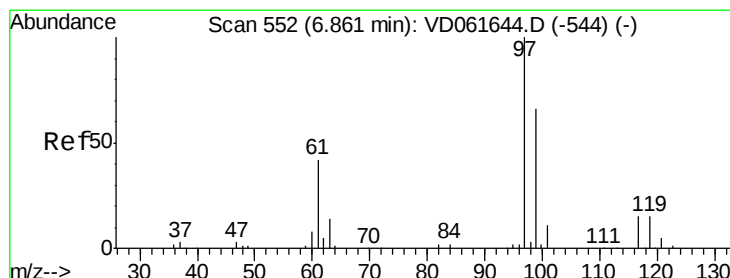
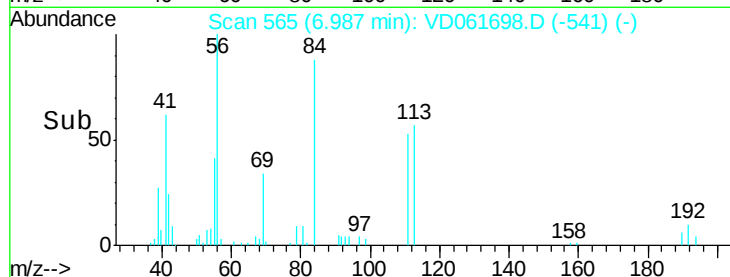
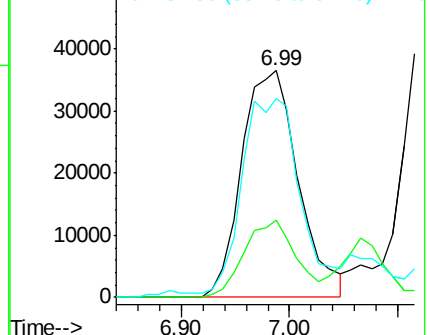
56 100

69 34.0 25.8 38.6

84 87.8 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 18.673 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

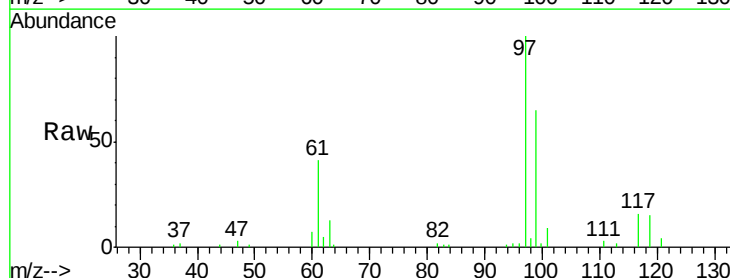
Tgt Ion: 97 Resp: 176838

Ion Ratio Lower Upper

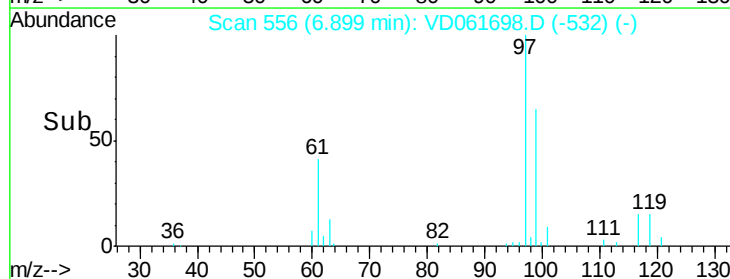
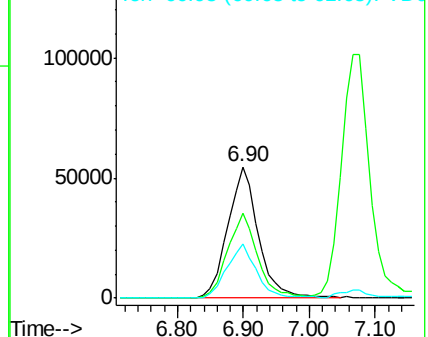
97 100

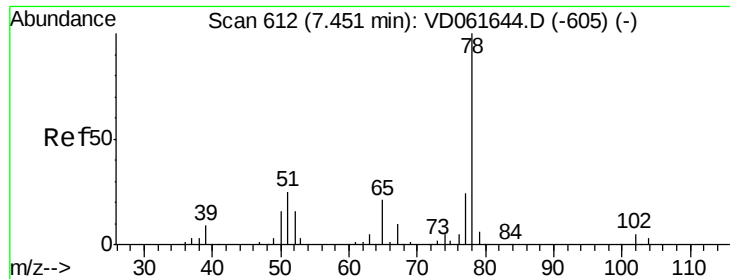
99 64.5 52.5 78.7

61 41.0 33.4 50.0



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





#33

1,2-Dichloroethane-d4

Concen: 18.673 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

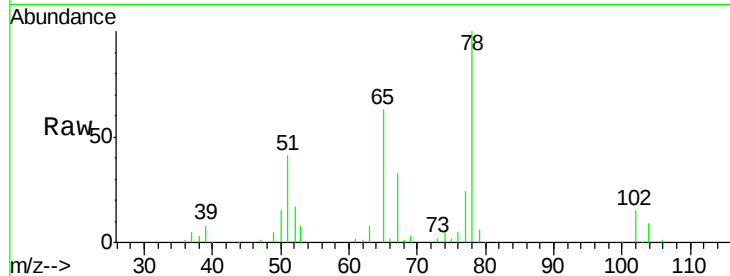
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 232252

Ion Ratio Lower Upper

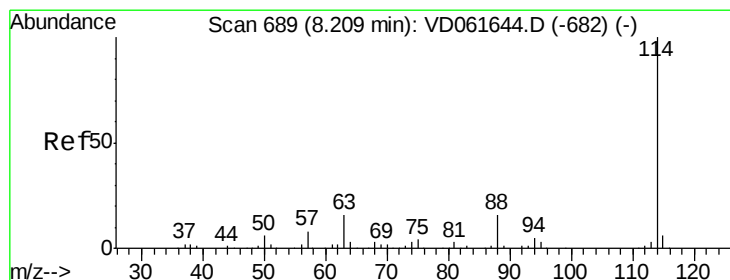
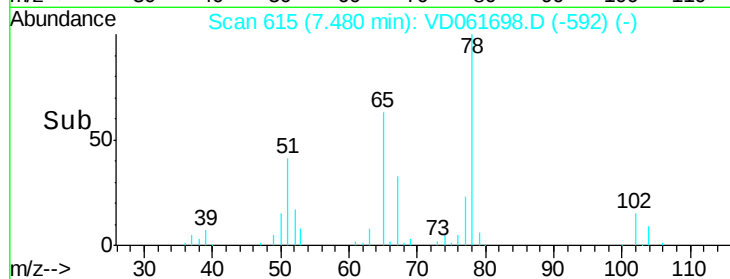
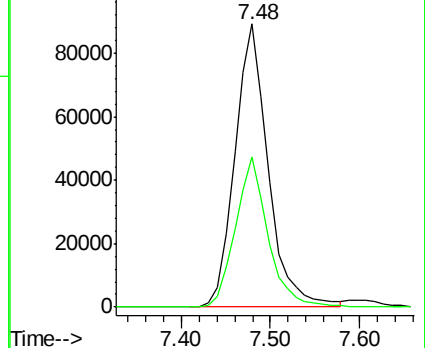
65 100

67 53.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

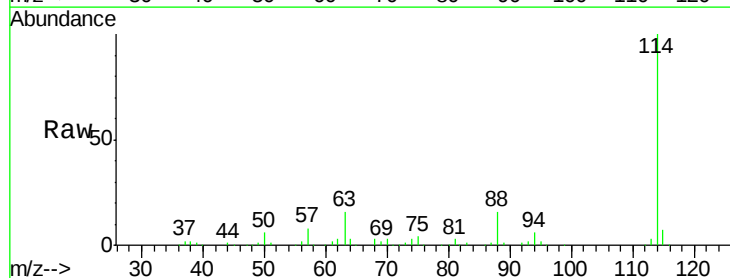
Tgt Ion: 114 Resp: 972231

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.2

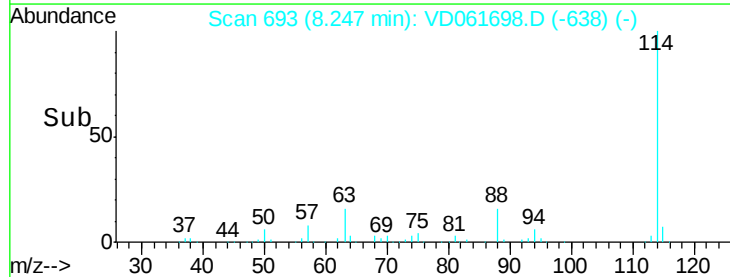
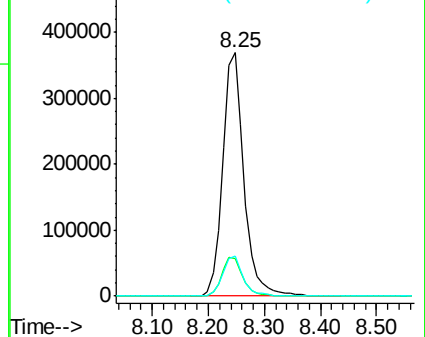
88 16.4 0.0 31.8

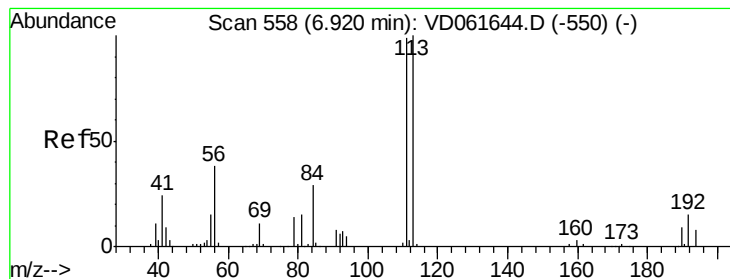


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

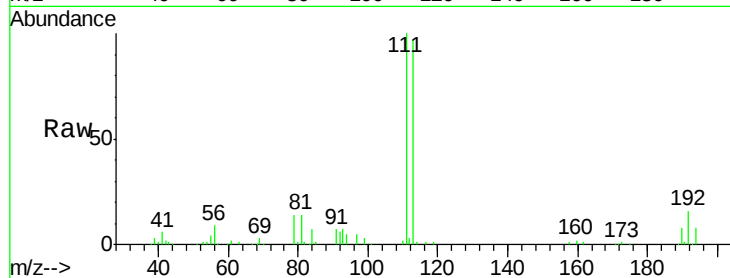
Tot Ion:113 Resp: 368250

Ion Ratio Lower Upper

113 100

111 102.9 79.3 118.9

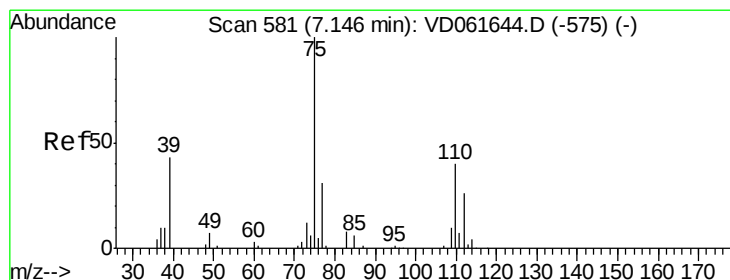
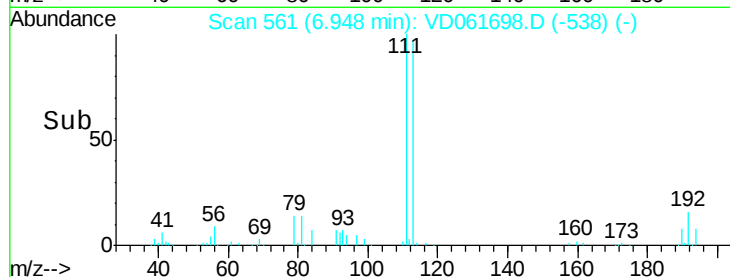
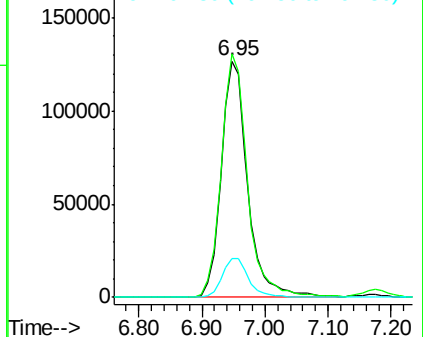
192 16.5 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 17.841 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

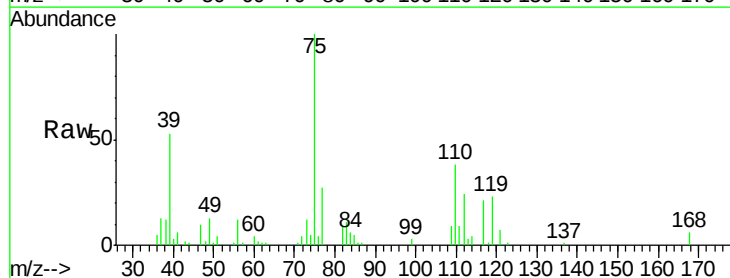
Tgt Ion: 75 Resp: 151805

Ion Ratio Lower Upper

75 100

110 37.6 19.7 59.0

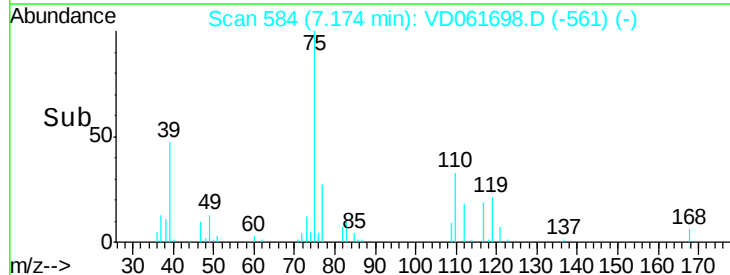
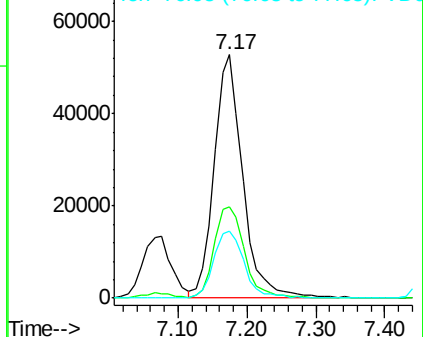
77 27.3 24.8 37.2

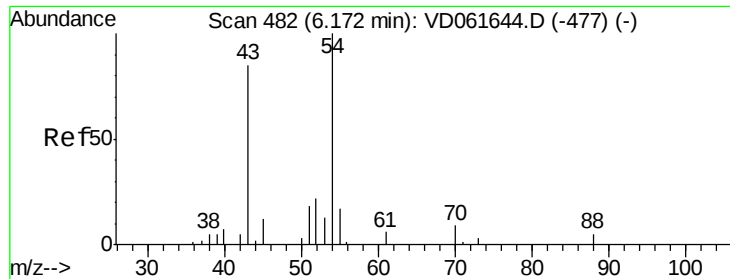


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

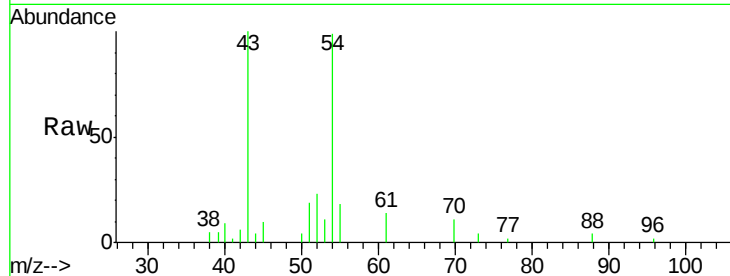




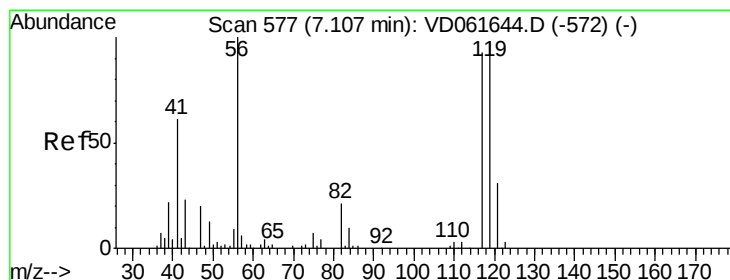
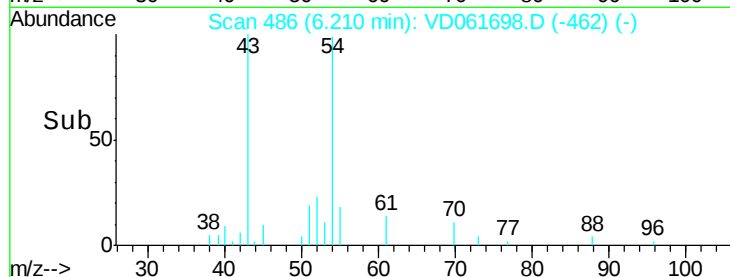
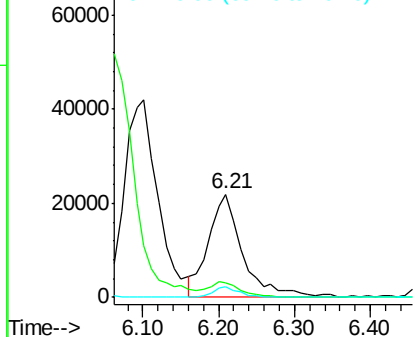
#37
Ethyl Acetate
Concen: 20.082 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 69600
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 10.5 6.9 10.3#

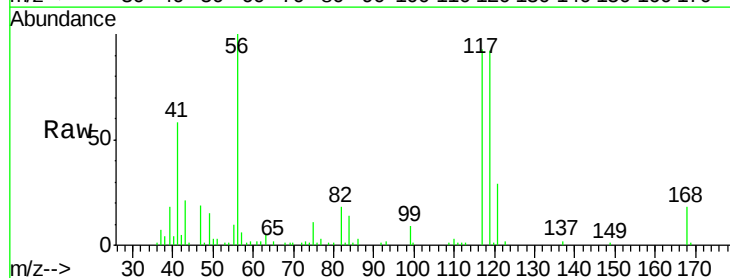


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

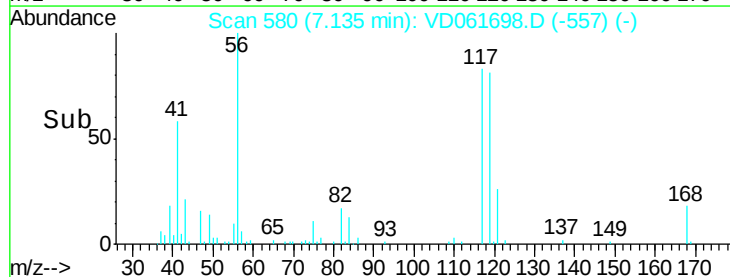
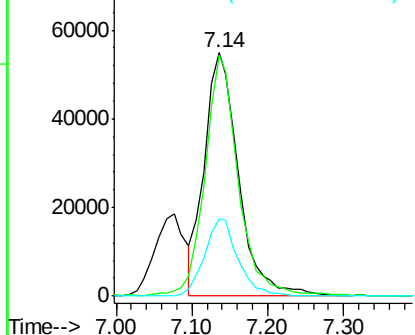


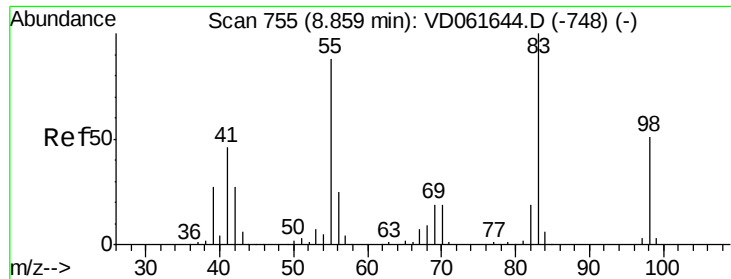
#38
Carbon Tetrachloride
Concen: 17.367 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 117 Resp: 173190
Ion Ratio Lower Upper
117 100
119 98.8 77.9 116.9
121 31.6 24.7 37.1



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

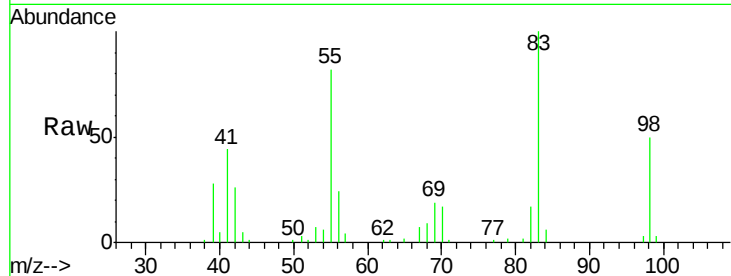




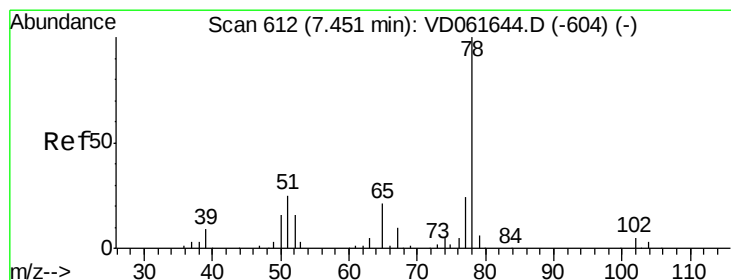
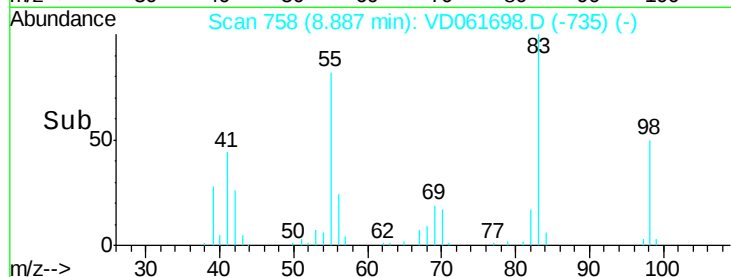
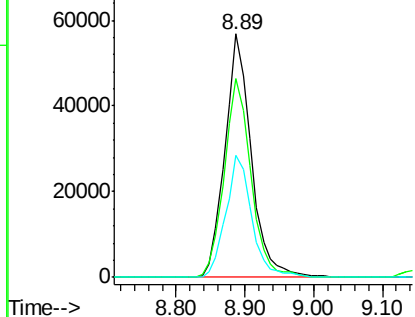
#39
Methvlcvclohexane
Concen: 17.227 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 150488
Ion Ratio Lower Upper
83 100
55 81.8 70.3 105.5
98 50.1 41.0 61.6

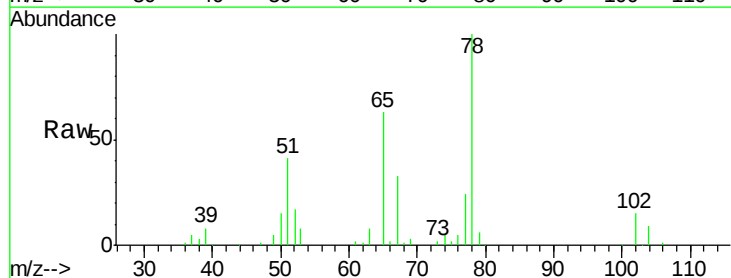


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

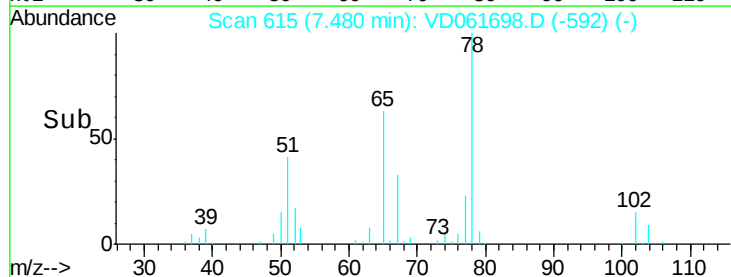
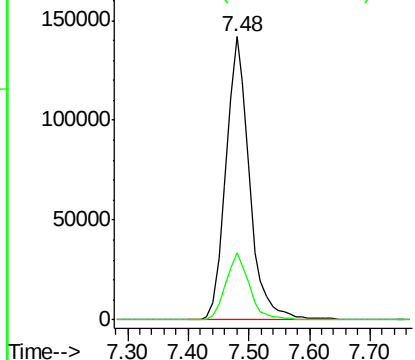


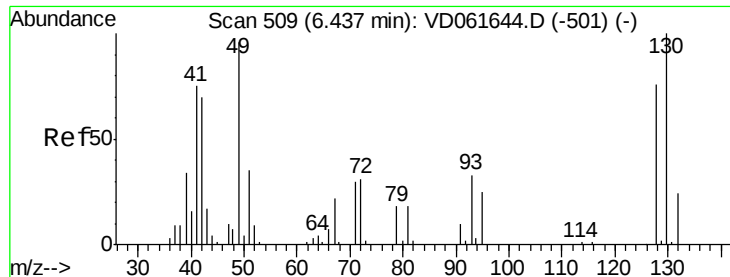
#40
Benzene
Concen: 18.683 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 78 Resp: 383516
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3



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

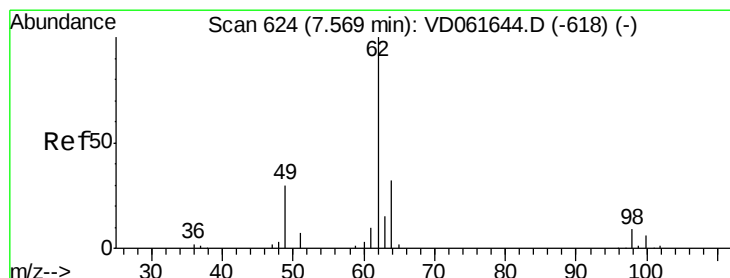
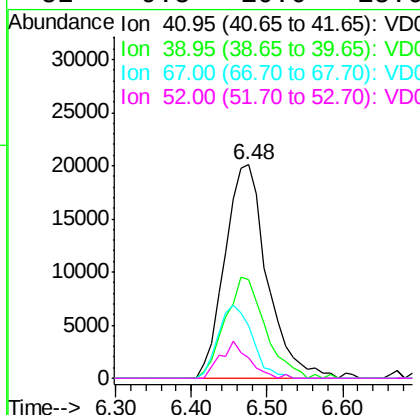
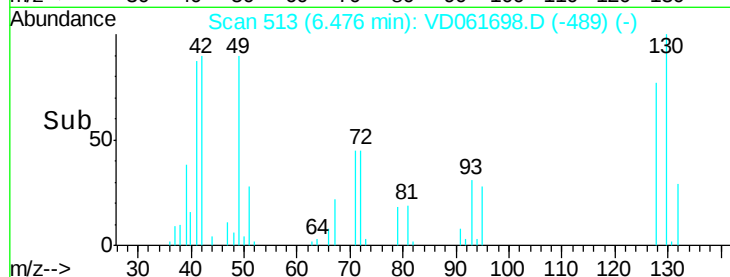
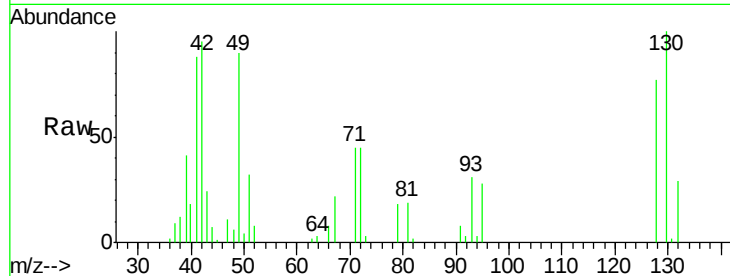




#41
Methacrylonitrile
Concen: 19.209 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

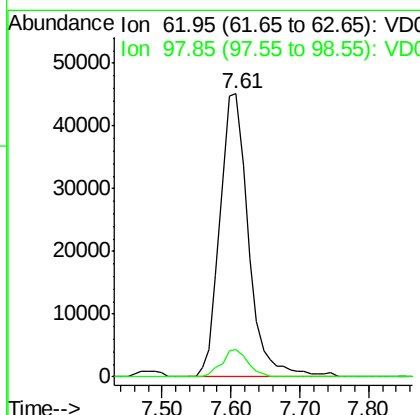
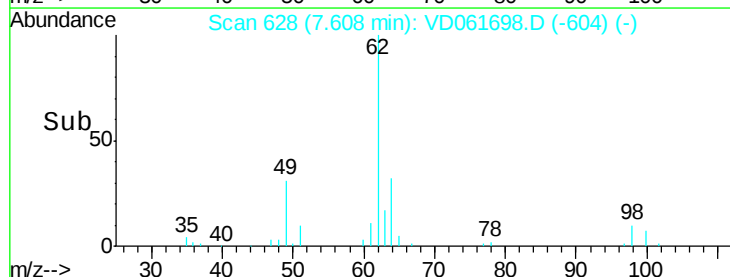
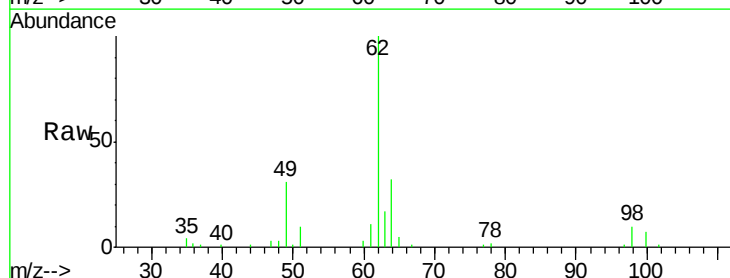
Instrument :
MSVOA_D
ClientSampleId :

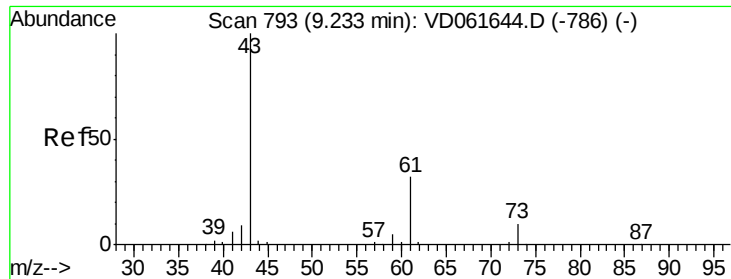
Tot Ion: 41 Resp: 77717
Ion Ratio Lower Upper
41 100
39 45.9 36.2 54.2
67 24.8 23.2 34.8
52 9.5 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 20.152 ug/l
RT: 7.61 min Scan# 628
Delta R.T. 0.04 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 62 Resp: 130092
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.728 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

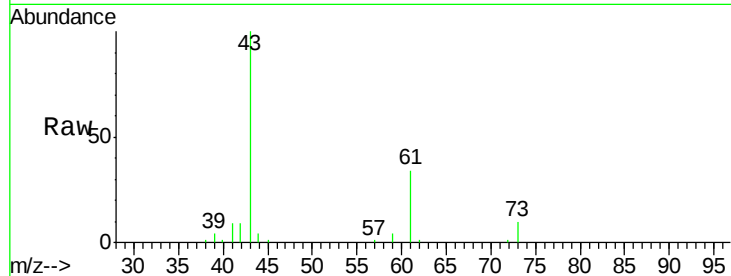
Tot Ion: 43 Resp: 89171

Ion Ratio Lower Upper

43 100

61 34.0 25.9 38.9

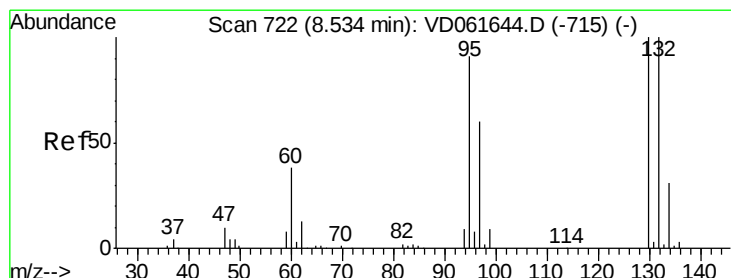
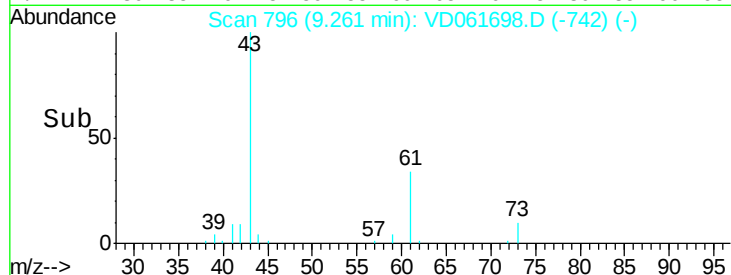
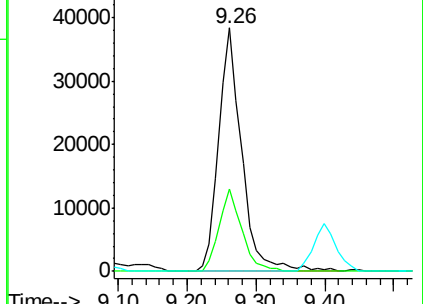
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.324 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.03 min

Lab File: VD061698.D

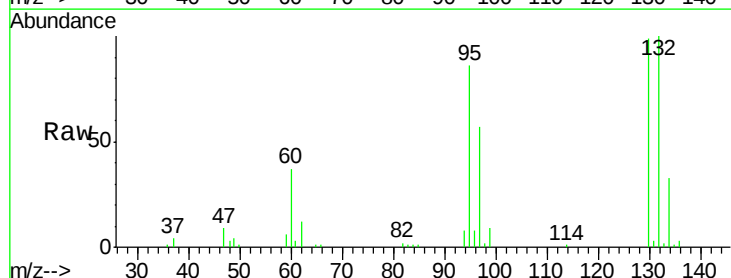
Acq: 10 Apr 2019 4:22

Tgt Ion:130 Resp: 152073

Ion Ratio Lower Upper

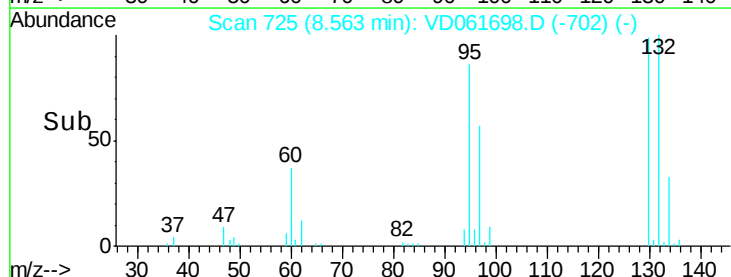
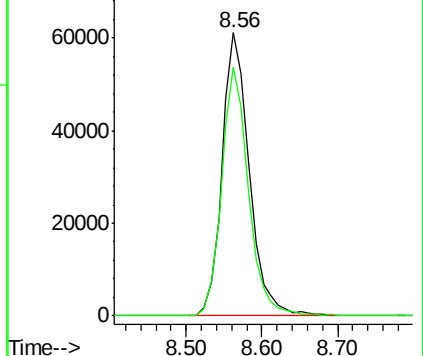
130 100

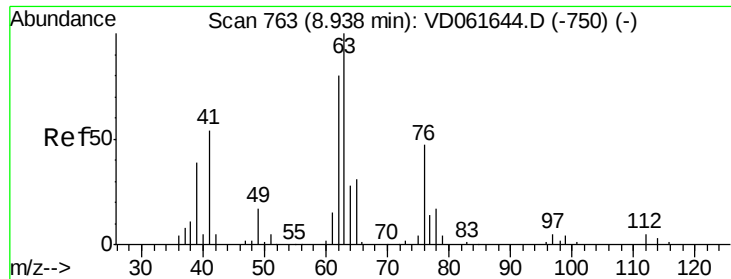
95 87.7 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.235 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

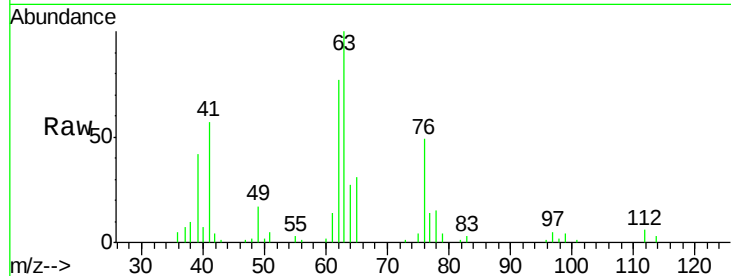
ClientSampleId :

Tot Ion: 63 Resp: 103011

Ion Ratio Lower Upper

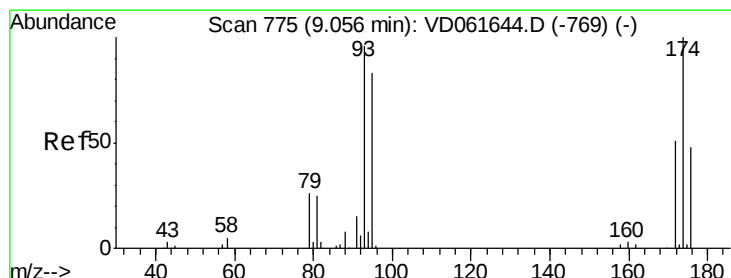
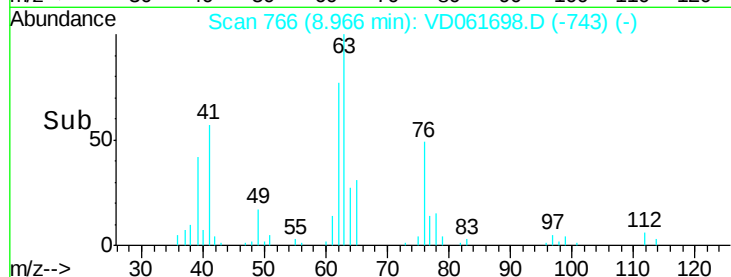
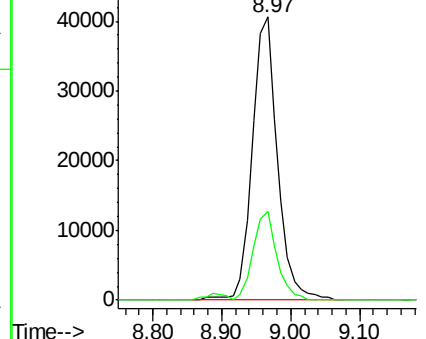
63 100

65 31.4 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.636 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

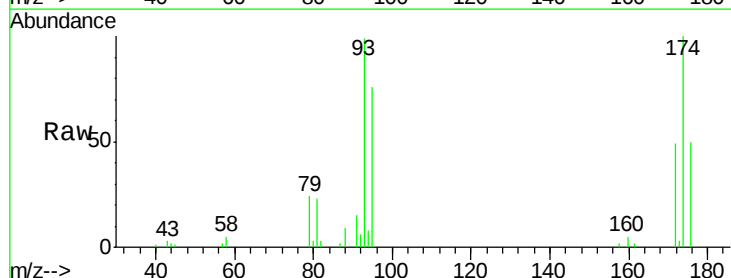
Tgt Ion: 93 Resp: 71442

Ion Ratio Lower Upper

93 100

95 77.0 68.6 103.0

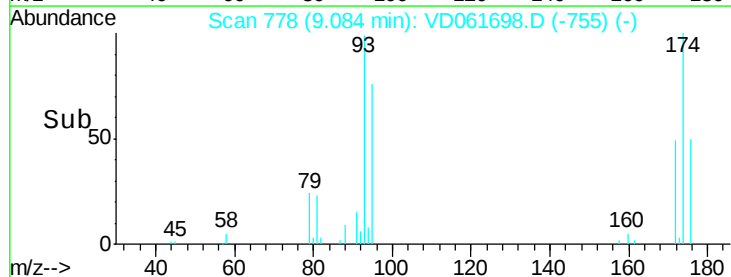
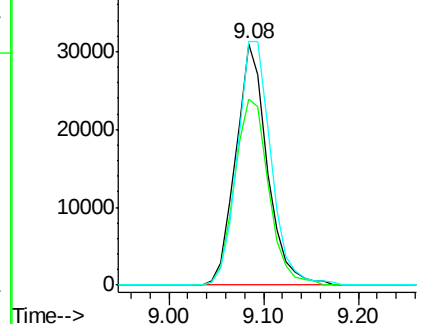
174 100.9 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.405 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampled :

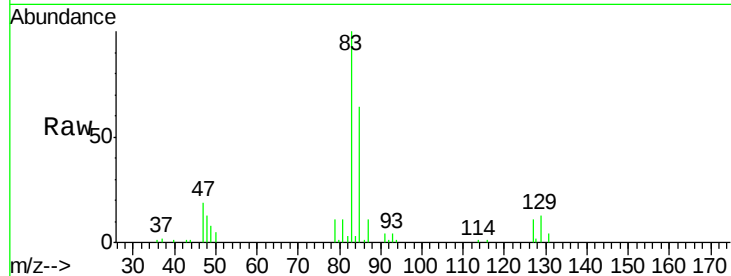
Tot Ion: 83 Resp: 163054

Ion Ratio Lower Upper

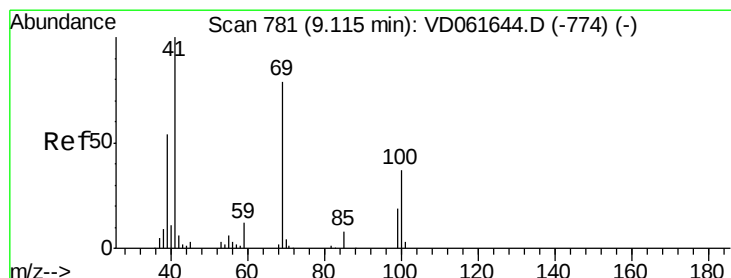
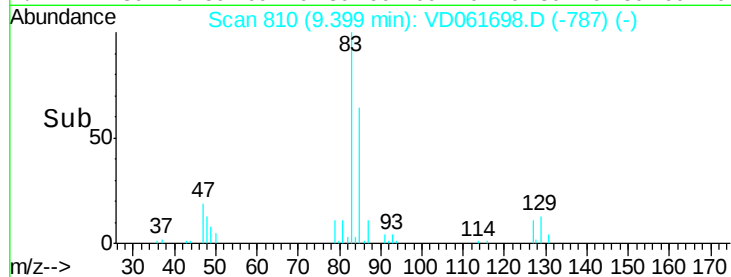
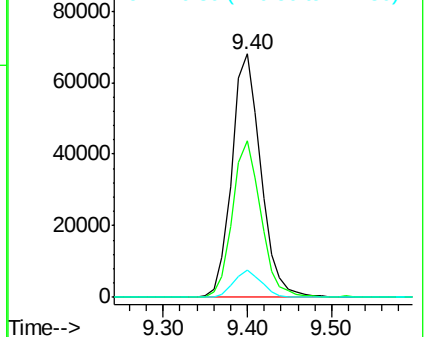
83 100

85 64.1 51.8 77.6

127 11.1 9.0 13.6



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



#48

Methyl methacrylate

Concen: 18.072 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

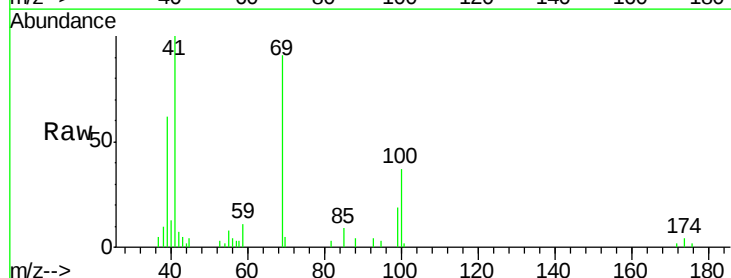
Tgt Ion: 41 Resp: 52396

Ion Ratio Lower Upper

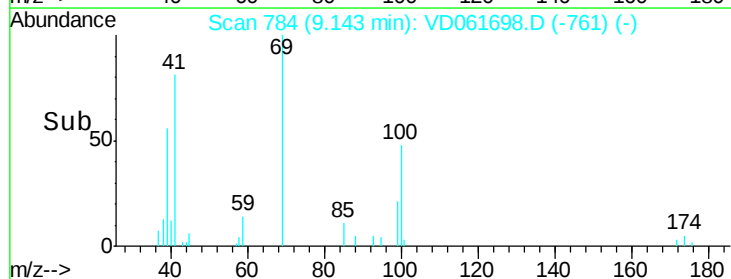
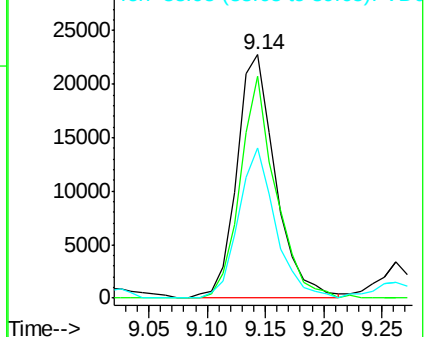
41 100

69 91.0 63.1 94.7

39 61.6 43.8 65.8



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

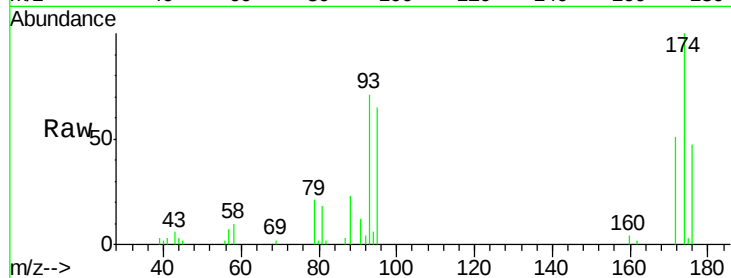




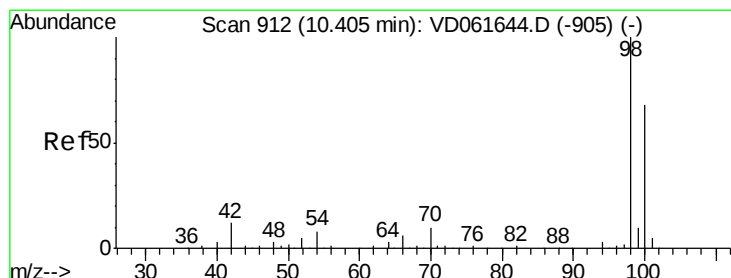
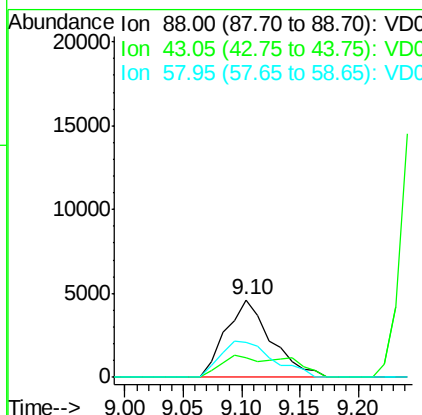
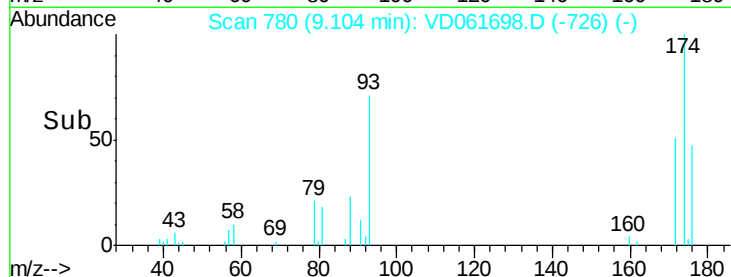
#49
1,4-Dioxane
Concen: 389.589 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12468
Ion Ratio Lower Upper
88 100
43 25.4 21.8 32.8
58 45.4 40.2 60.2

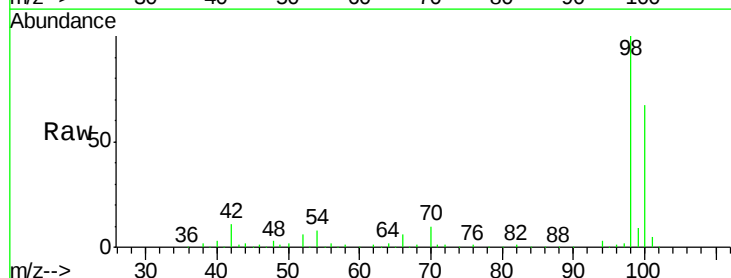


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

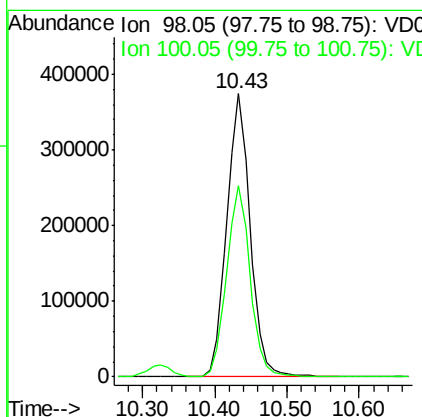
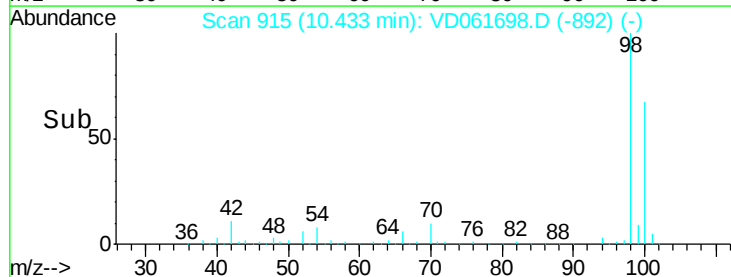


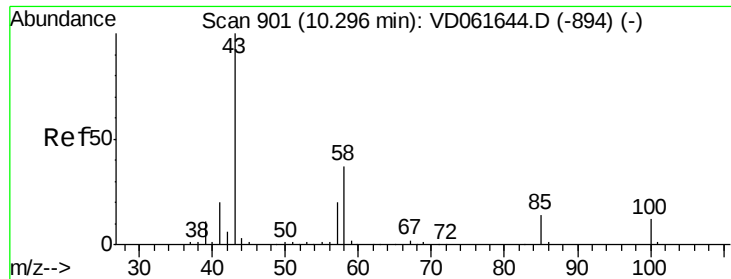
#50
Toluene-d8
Concen: 389.589 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 98 Resp: 847144
Ion Ratio Lower Upper
98 100
100 67.4 55.4 83.0



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

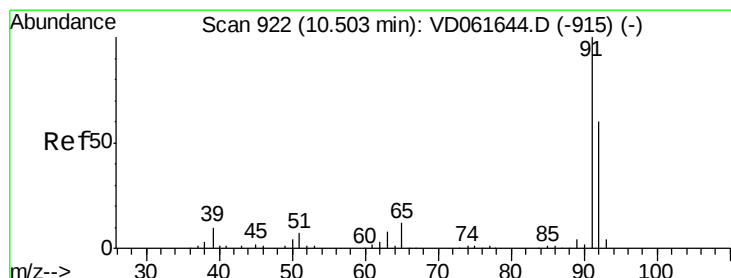
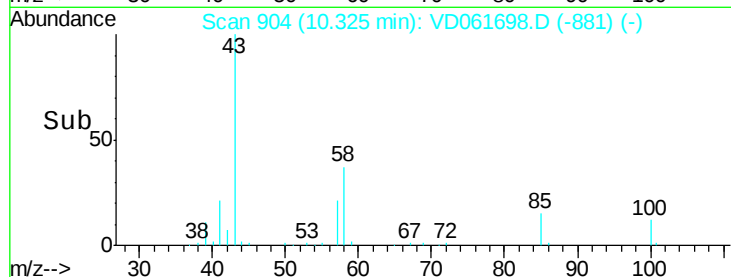
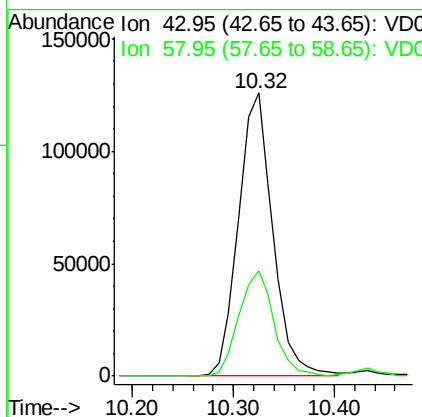
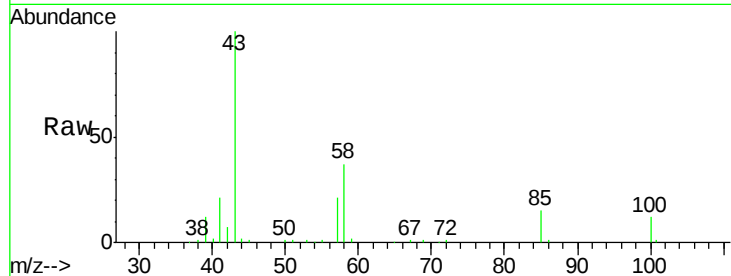




#51
4-Methyl-2-Pentanone
Concen: 100.395 ug/l
RT: 10.32 min Scan# 904
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

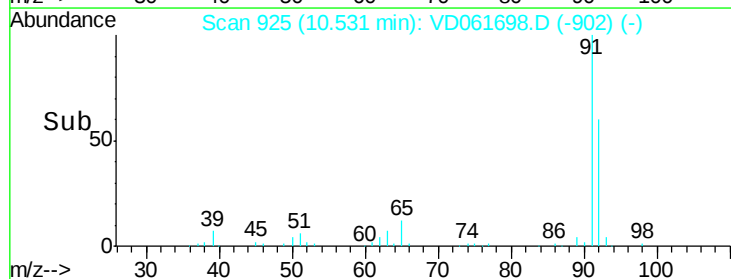
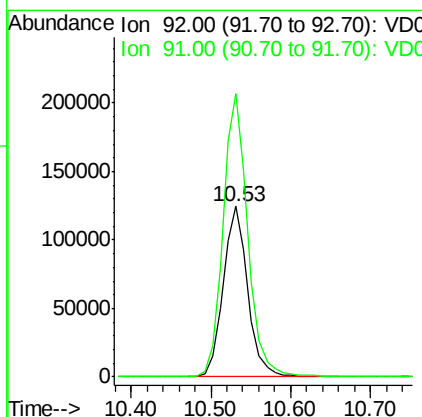
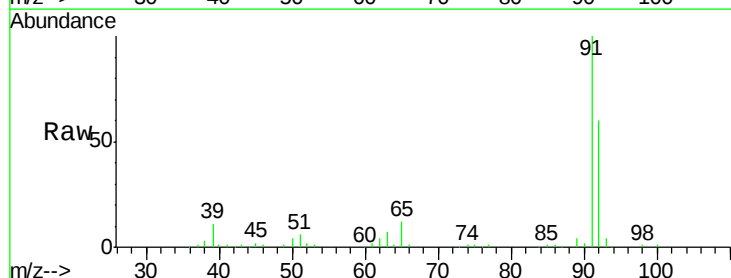
Instrument :
MSVOA_D
ClientSampled :

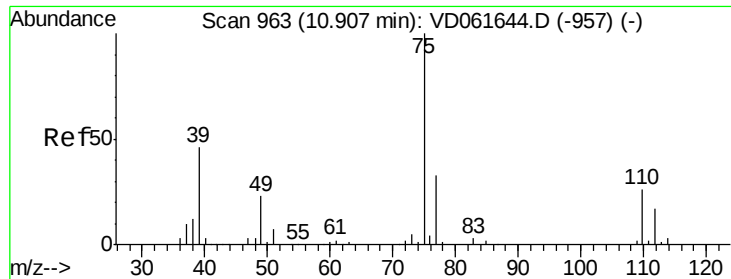
Tot Ion: 43 Resp: 298637
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.8



#52
Toluene
Concen: 21.003 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 92 Resp: 269215
Ion Ratio Lower Upper
92 100
91 166.2 133.0 199.4

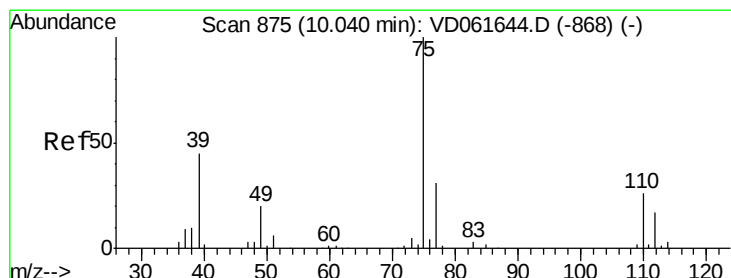
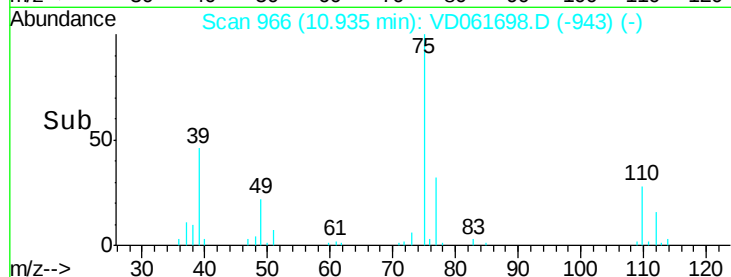
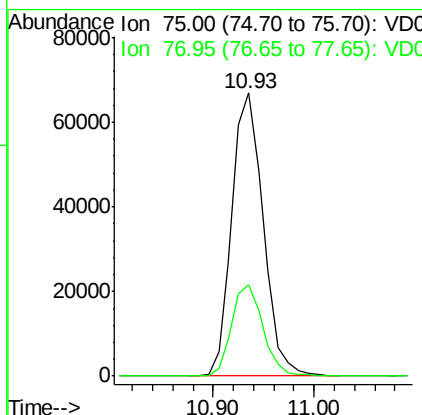
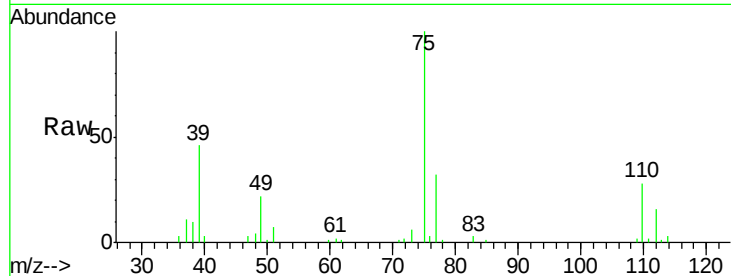




#53
t-1,3-Dichloropropene
Concen: 20.720 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

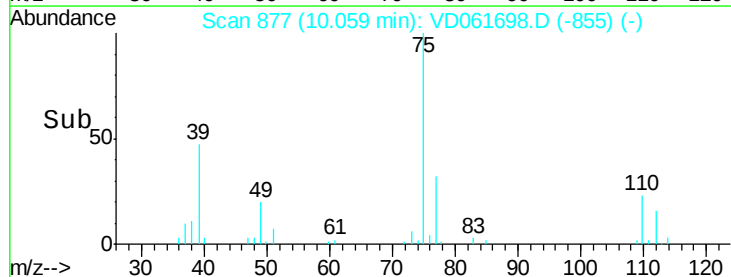
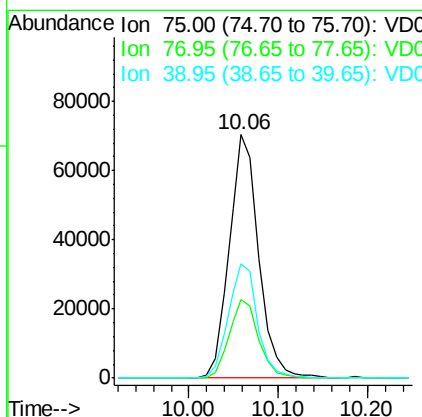
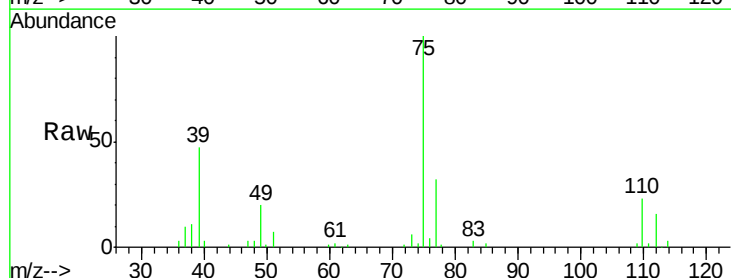
Instrument :
MSVOA_D
ClientSampleId :

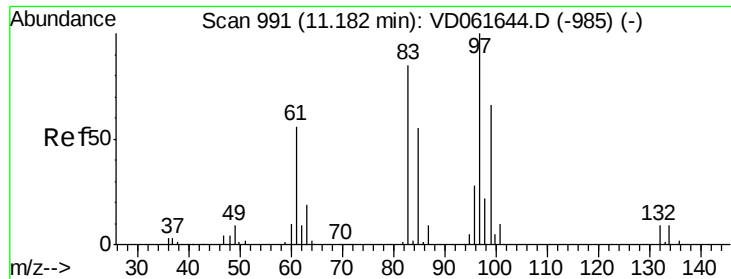
Tot Ion: 75 Resp: 145136
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 18.760 ug/l
RT: 10.06 min Scan# 877
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 75 Resp: 161983
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0
39 46.9 36.2 54.2

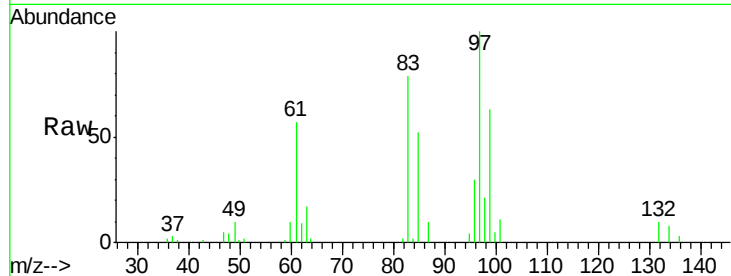




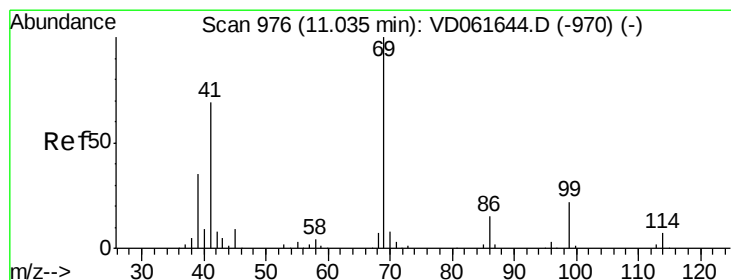
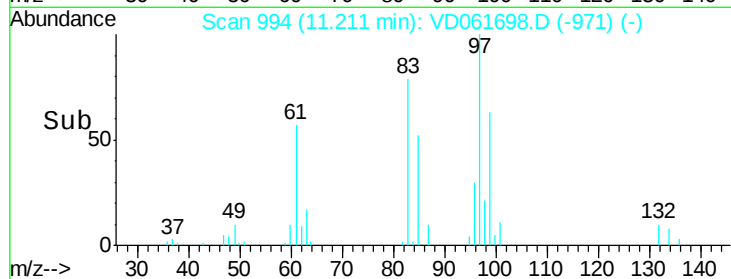
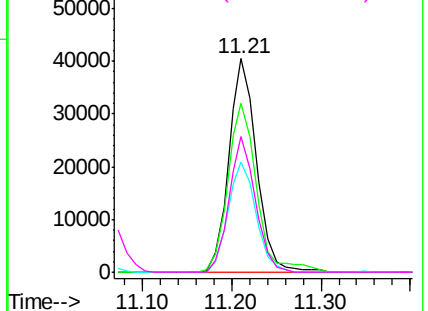
#55
1,1,2-Trichloroethane
Concen: 20.390 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 88151
Ion Ratio Lower Upper
97 100
83 79.4 67.8 101.6
85 51.7 43.8 65.8
99 63.4 52.8 79.2

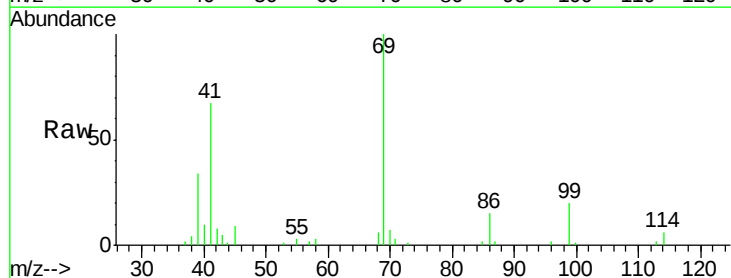


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

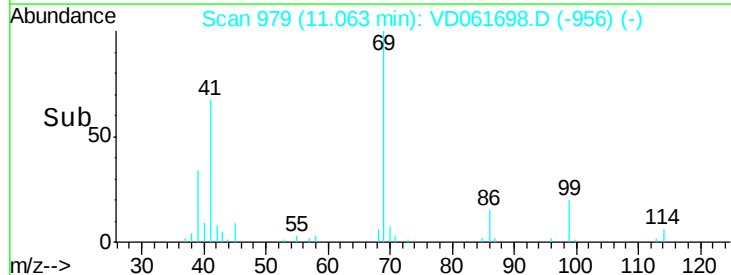
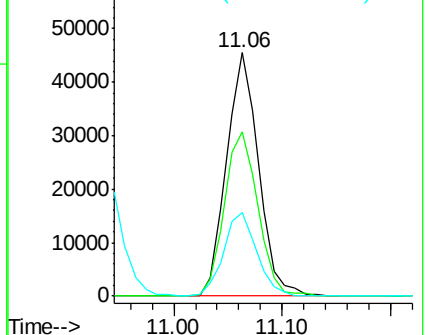


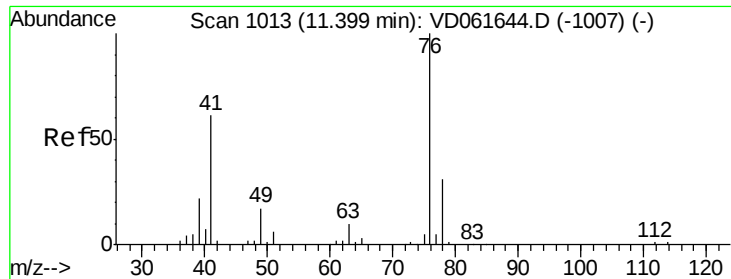
#56
Ethyl methacrylate
Concen: 20.519 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 69 Resp: 93581
Ion Ratio Lower Upper
69 100
41 67.3 55.2 82.8
39 34.2 28.6 43.0



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

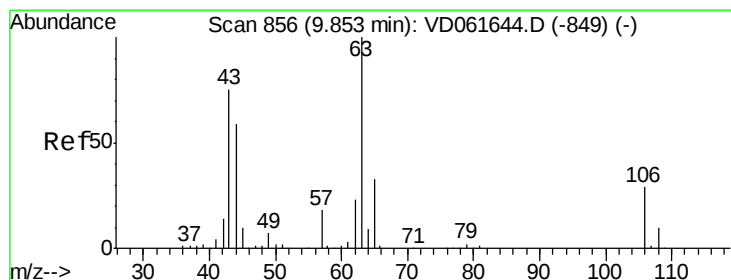
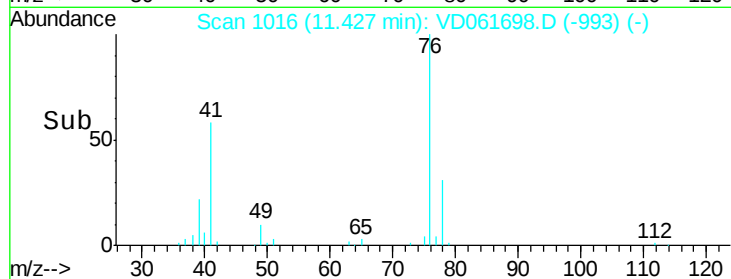
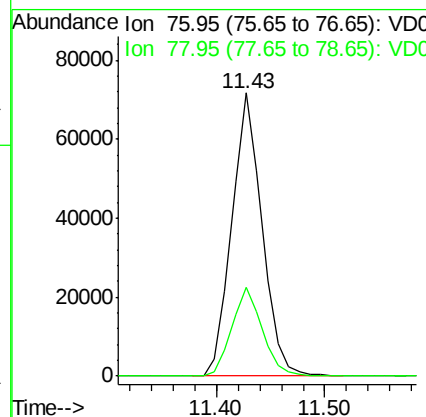
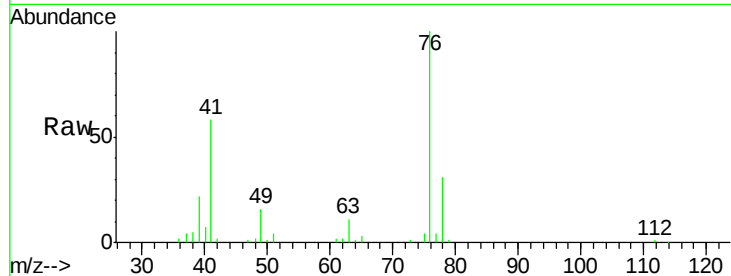




#57
 1,3-Dichloropropane
 Concen: 21.967 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

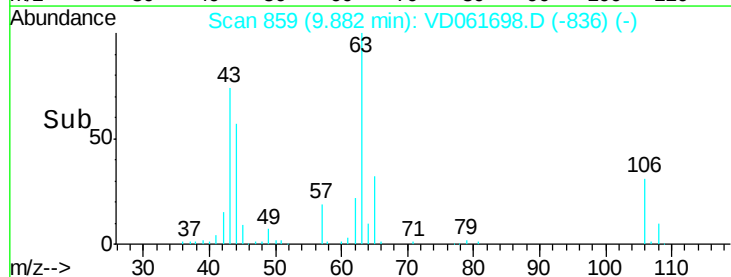
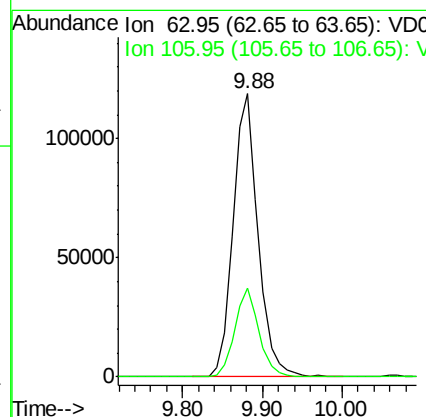
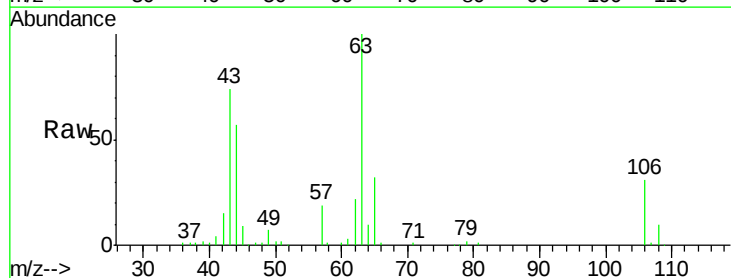
Instrument :
 MSVOA_D
 ClientSampleId :

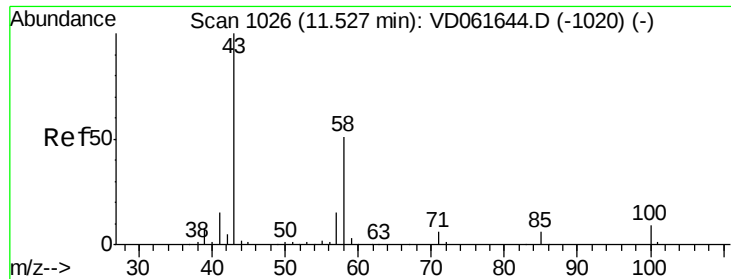
Tot Ion: 76 Resp: 139073
 Ion Ratio Lower Upper
 76 100
 78 31.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.546 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 63 Resp: 259407
 Ion Ratio Lower Upper
 63 100
 106 31.5 23.0 34.6

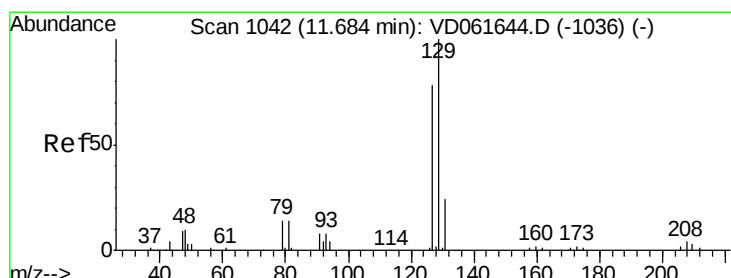
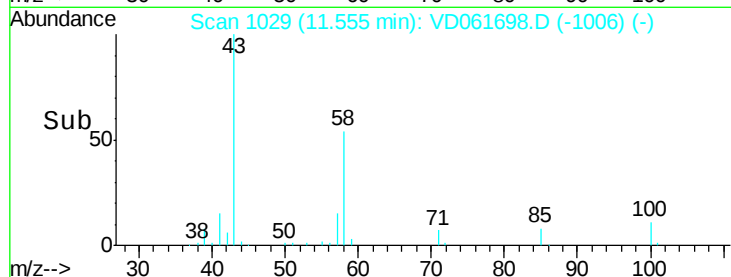
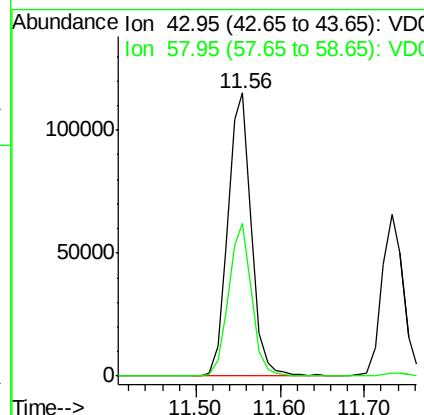
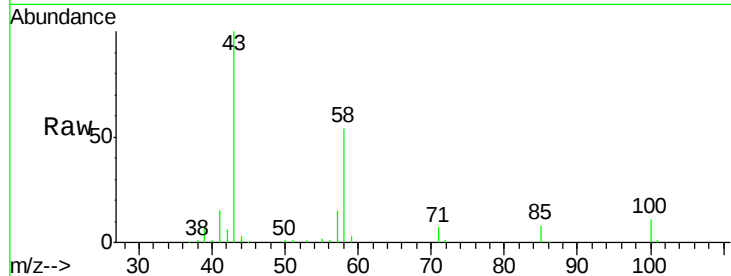




#59
2-Hexanone
Concen: 95.861 ug/l
RT: 11.56 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

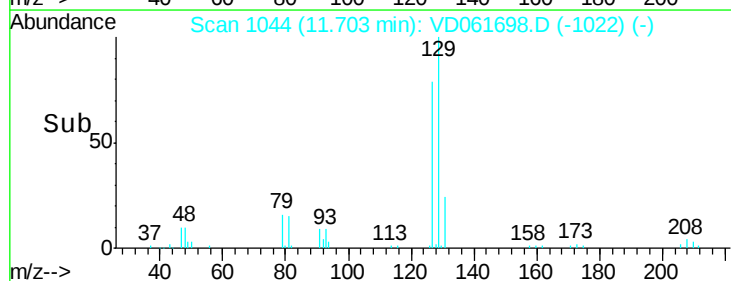
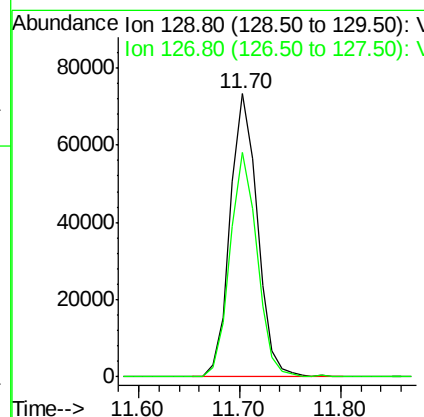
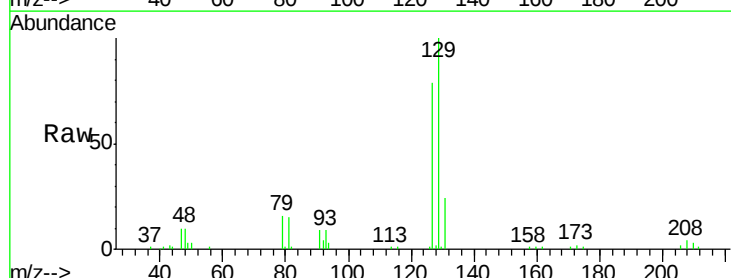
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 221299
Ion Ratio Lower Upper
43 100
58 54.1 25.6 76.8



#60
Dibromochloromethane
Concen: 20.154 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 129 Resp: 137654
Ion Ratio Lower Upper
129 100
127 79.4 38.8 116.4

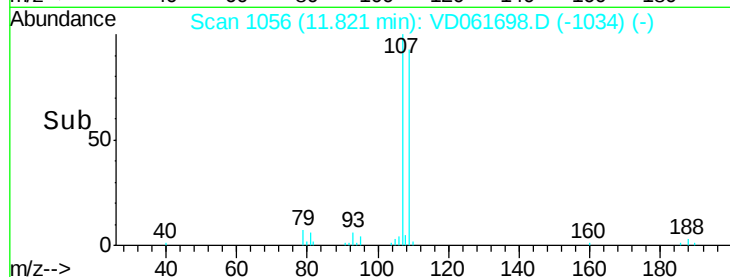
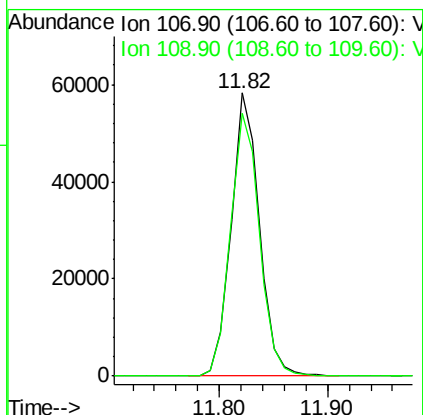
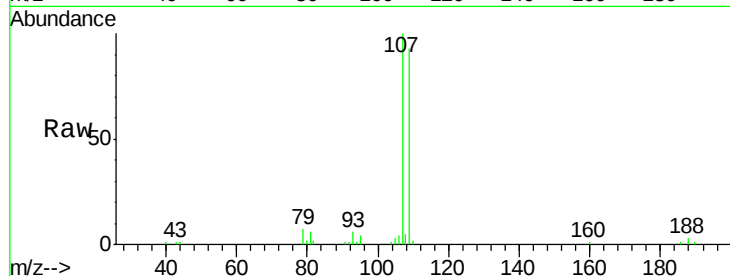




#61
 1,2-Dibromoethane
 Concen: 20.898 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

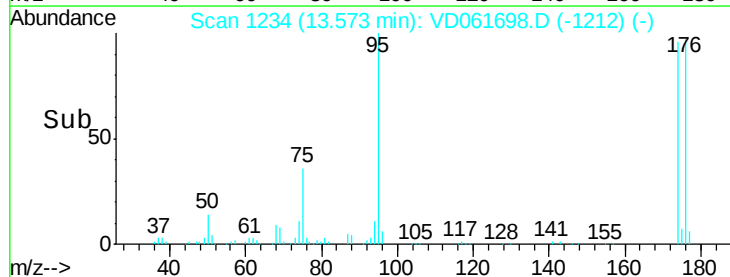
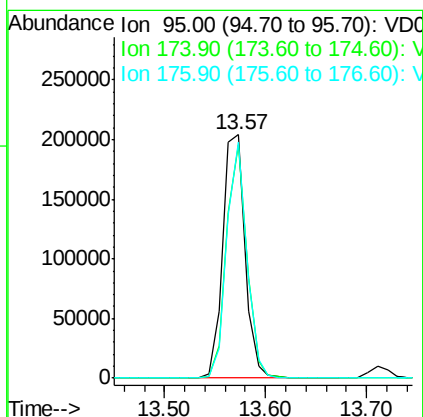
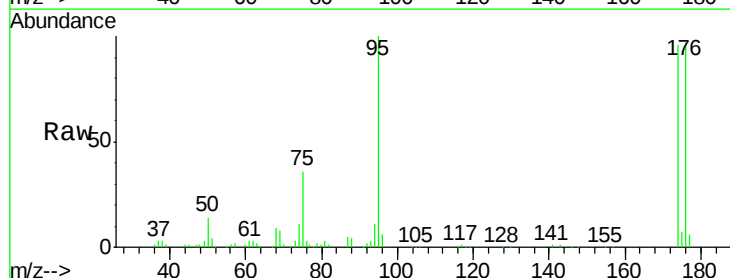
Instrument :
 MSVOA_D
 ClientSampleId :

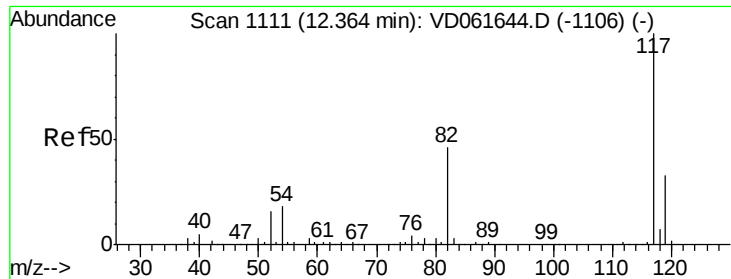
Tot Ion: 107 Resp: 105657
 Ion Ratio Lower Upper
 107 100
 109 92.8 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 20.898 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 95 Resp: 315259
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 164.6
 176 97.1 0.0 165.0

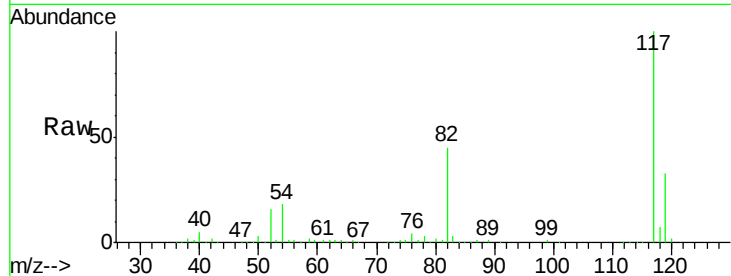




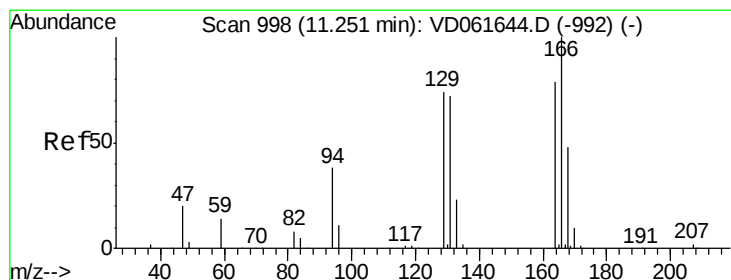
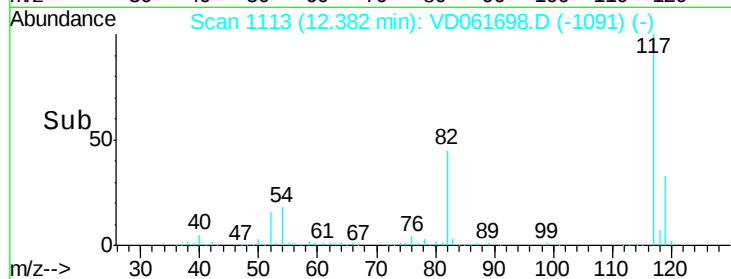
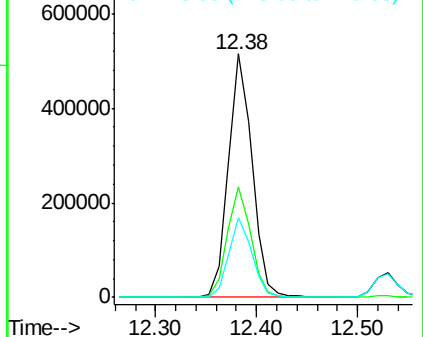
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 839173
Ion Ratio Lower Upper
117 100
82 45.4 36.8 55.2
119 32.5 26.1 39.1

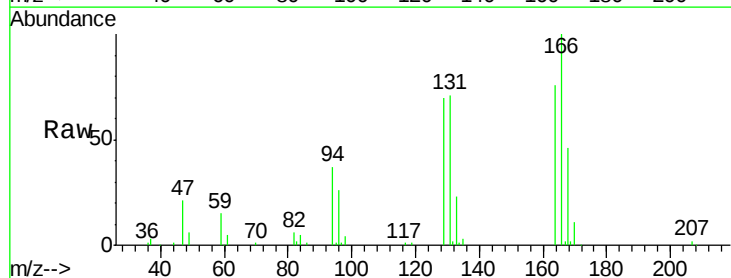


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

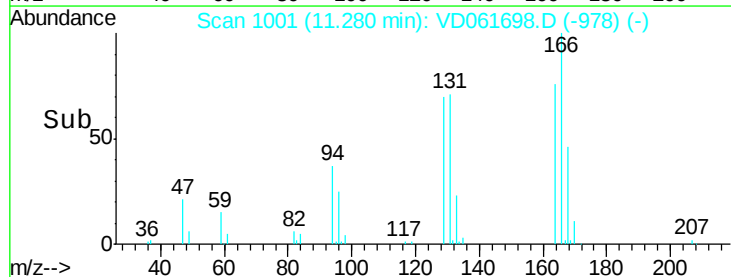
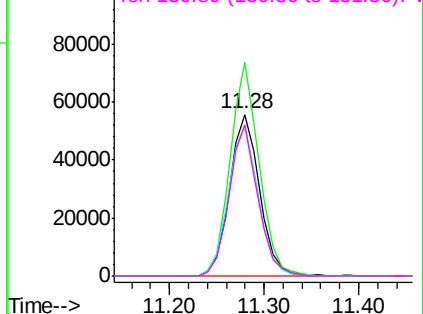


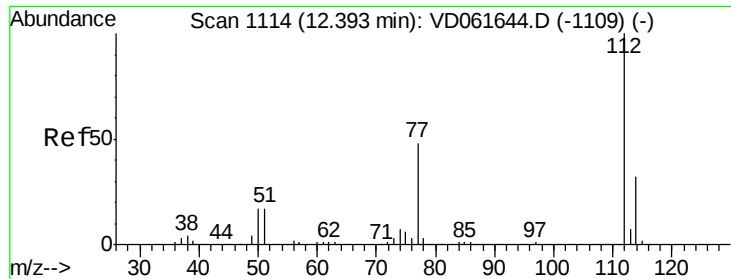
#64
Tetrachloroethene
Concen: 18.659 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:164 Resp: 121542
Ion Ratio Lower Upper
164 100
166 132.2 101.8 152.8
129 93.1 75.4 113.0
131 93.2 73.6 110.4



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

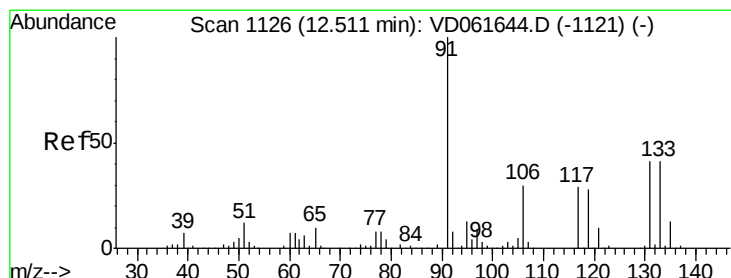
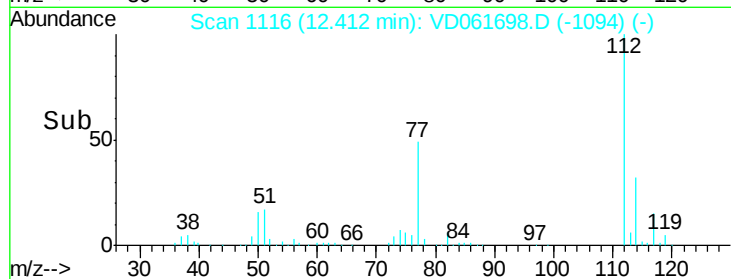
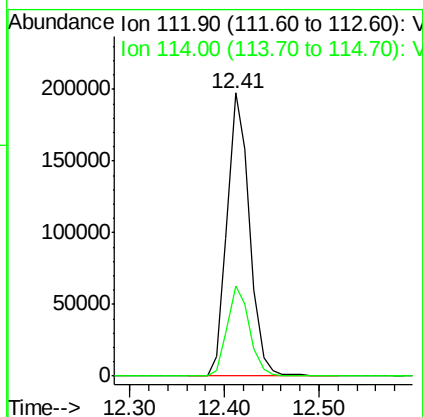
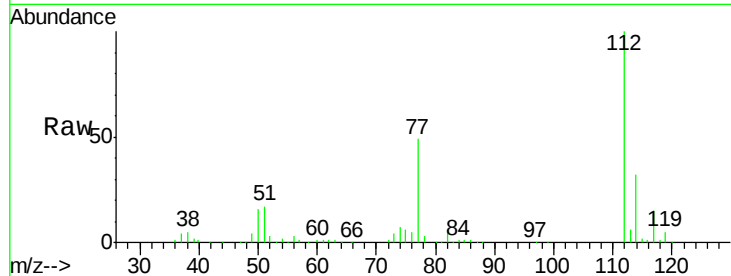




#65
Chlorobenzene
Concen: 19.420 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

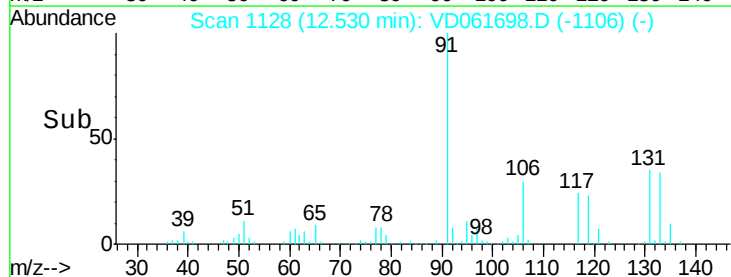
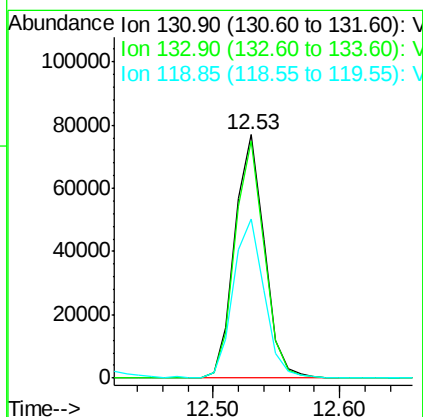
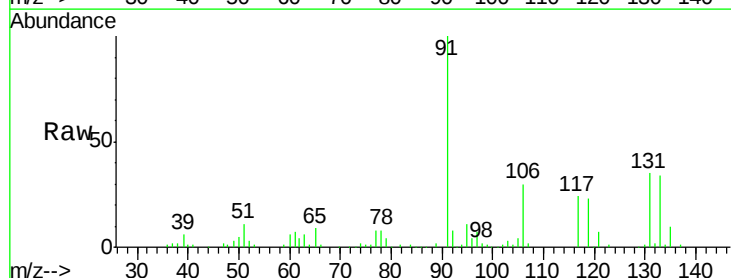
Instrument :
MSVOA_D
ClientSampled :

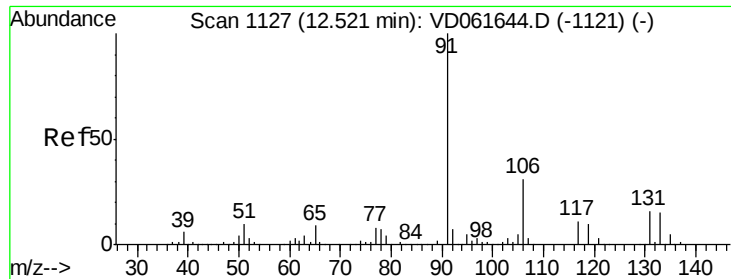
Tot Ion:112 Resp: 323191
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.536 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:131 Resp: 125104
Ion Ratio Lower Upper
131 100
133 97.3 49.5 148.3
119 65.6 34.7 104.1

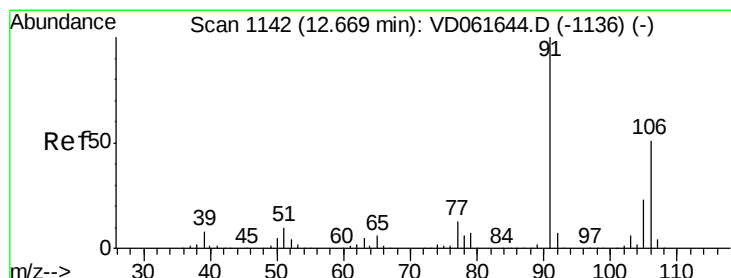
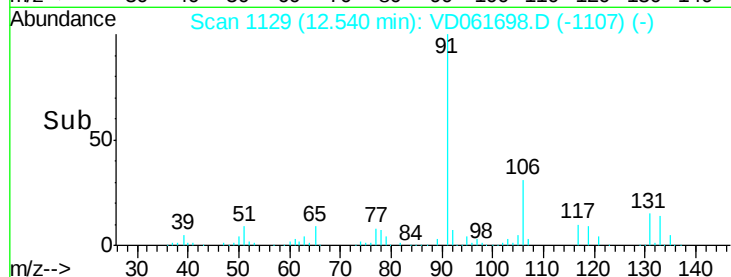
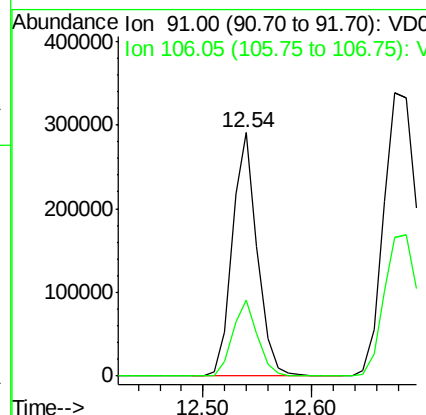
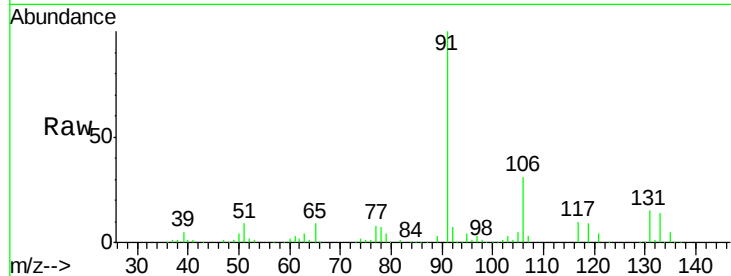




#67
Ethyl Benzene
Concen: 18.274 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

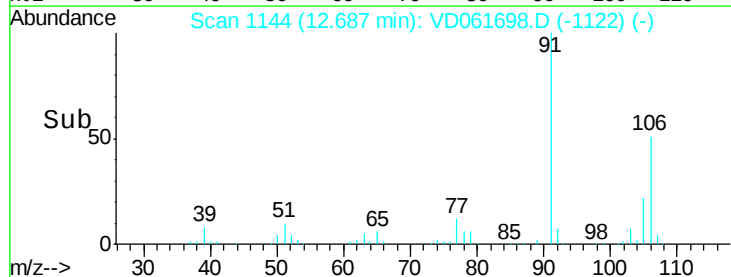
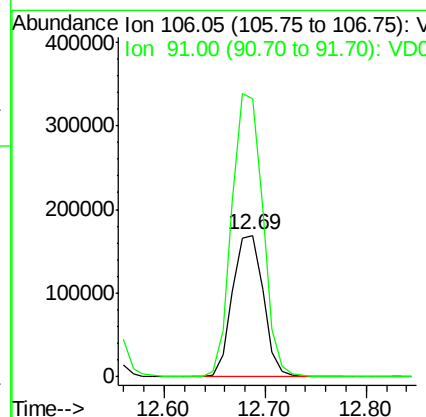
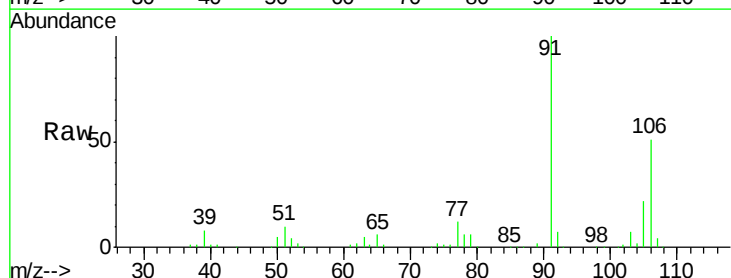
Instrument :
MSVOA_D
ClientSampleId :

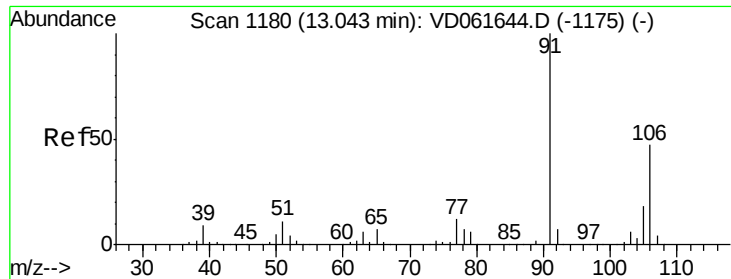
Tot Ion: 91 Resp: 463086
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 36.822 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion: 106 Resp: 359747
Ion Ratio Lower Upper
106 100
91 197.0 156.7 235.1

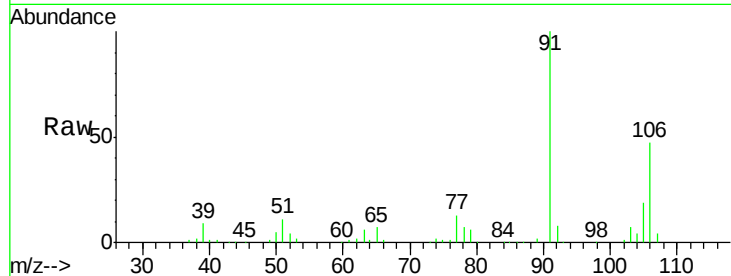




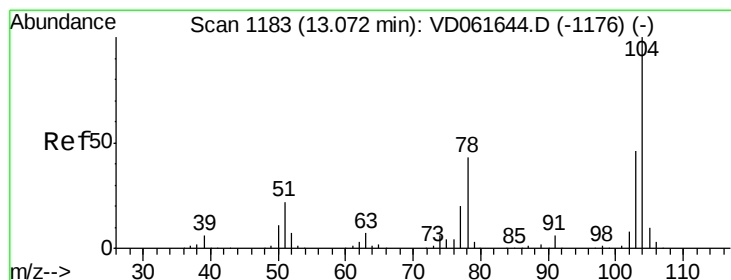
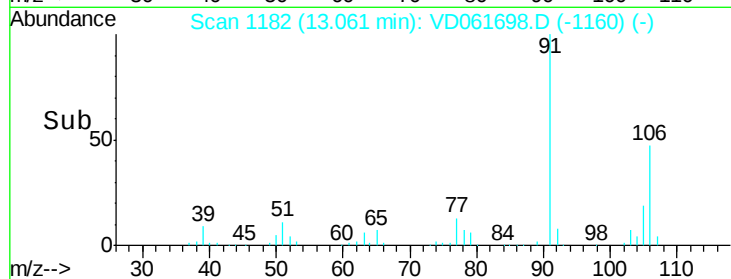
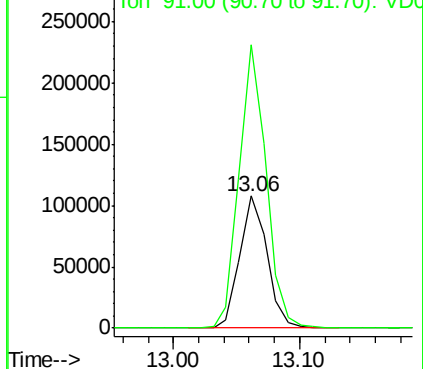
#69
o-Xylene
Concen: 17.149 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 161728
Ion Ratio Lower Upper
106 100
91 214.2 107.3 321.9

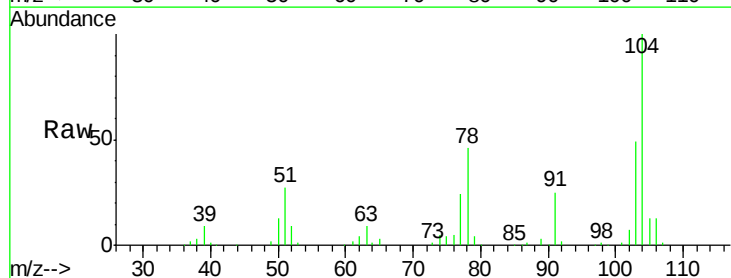


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

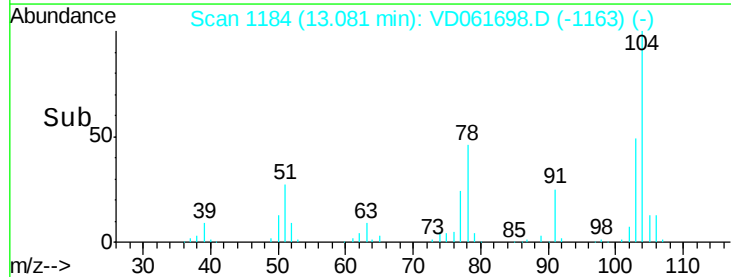
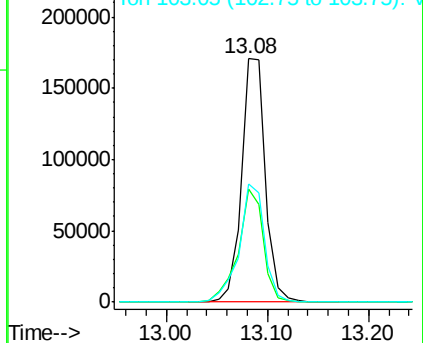


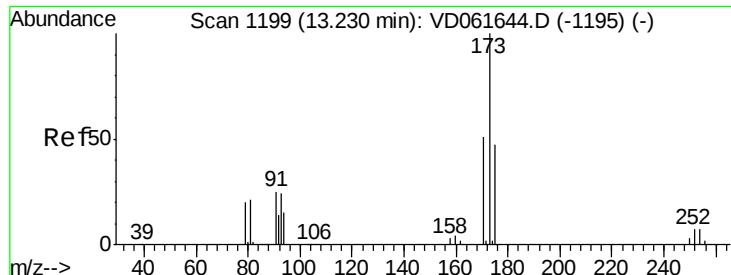
#70
Styrene
Concen: 17.368 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:104 Resp: 279724
Ion Ratio Lower Upper
104 100
78 46.5 34.2 51.4
103 48.6 37.2 55.8



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

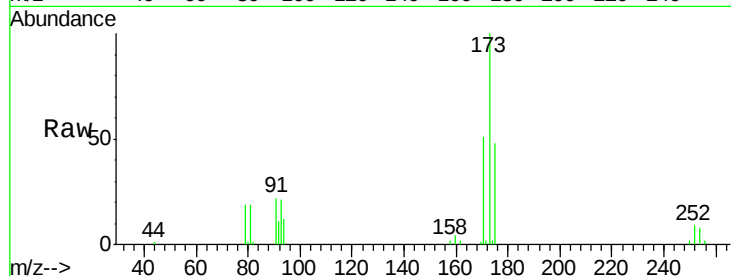




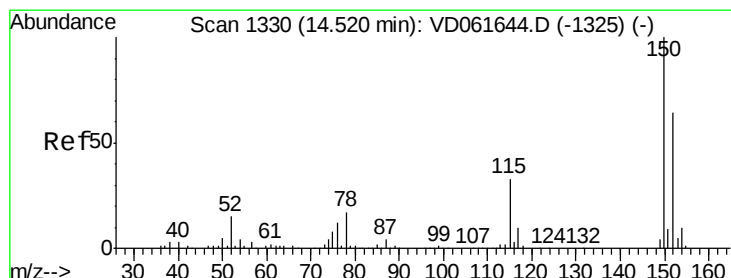
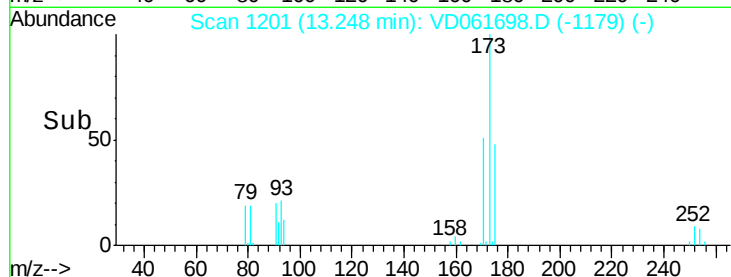
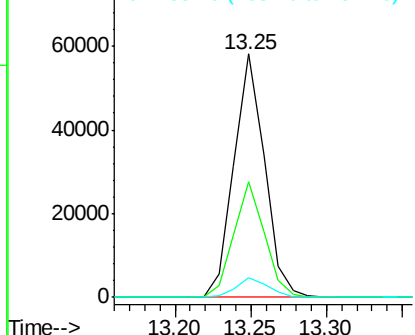
#71
Bromoform
Concen: 20.614 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 81907
Ion Ratio Lower Upper
173 100
175 47.6 23.7 71.1
254 8.0 5.8 8.6

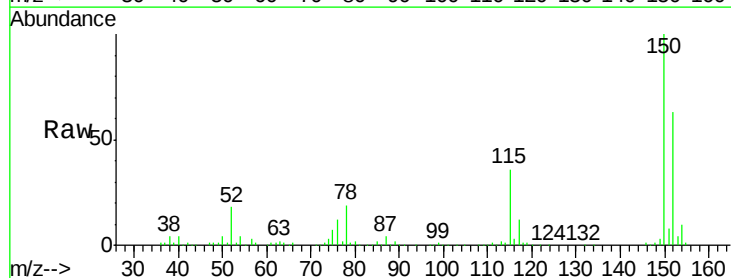


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

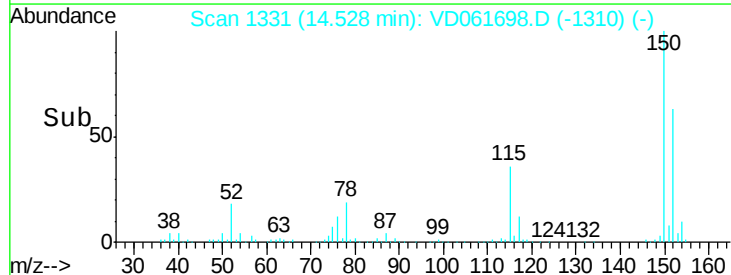
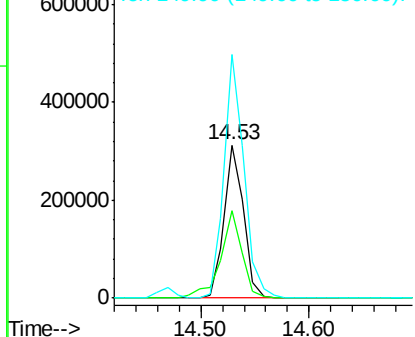


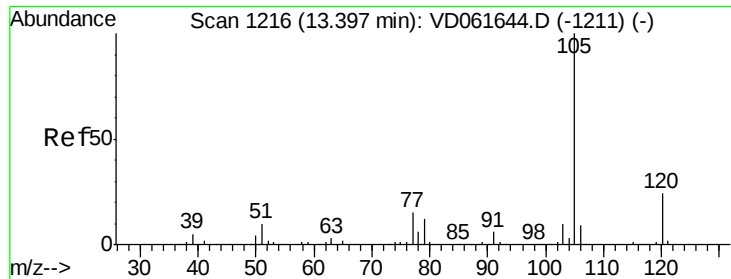
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:152 Resp: 391871
Ion Ratio Lower Upper
152 100
115 57.0 26.4 79.2
150 158.8 0.0 320.6



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: 17.434 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

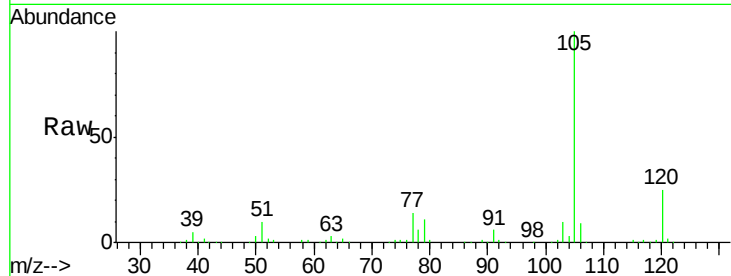
ClientSampleId :

Tot Ion:105 Resp: 455210

Ion Ratio Lower Upper

105 100

120 25.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

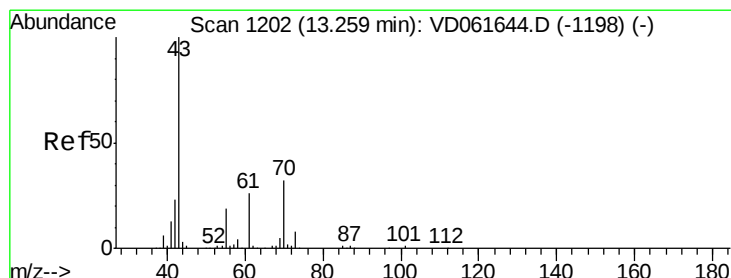
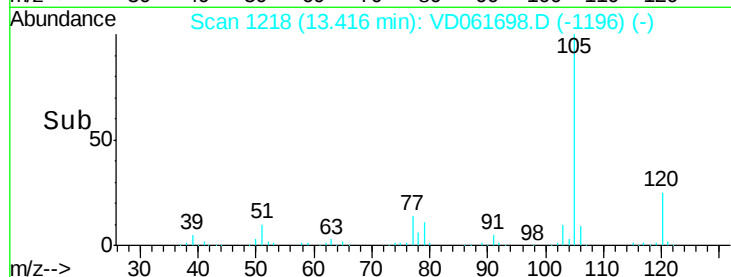
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.872 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Tgt Ion: 43 Resp: 133887

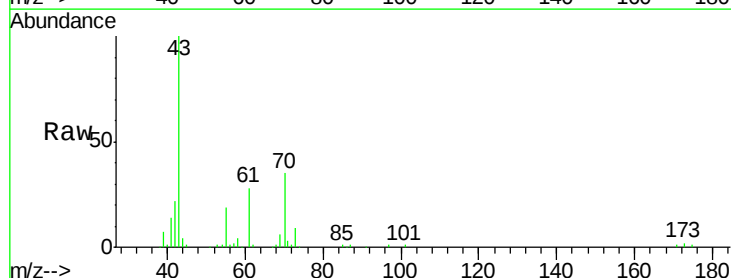
Ion Ratio Lower Upper

43 100

70 34.7 25.4 38.2

55 18.8 15.0 22.4

61 27.8 20.9 31.3



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.28

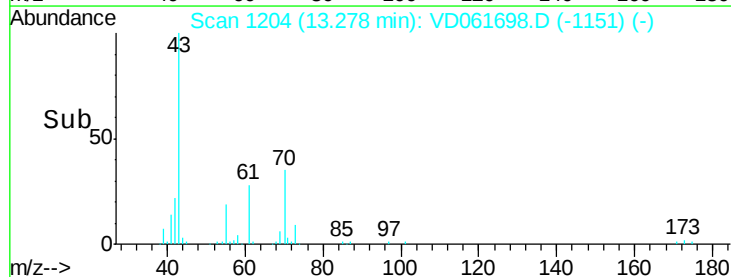
150000

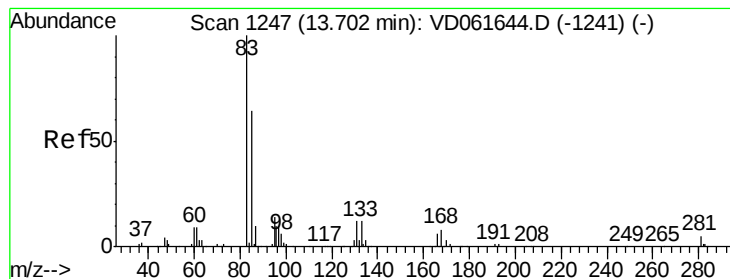
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 18.040 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

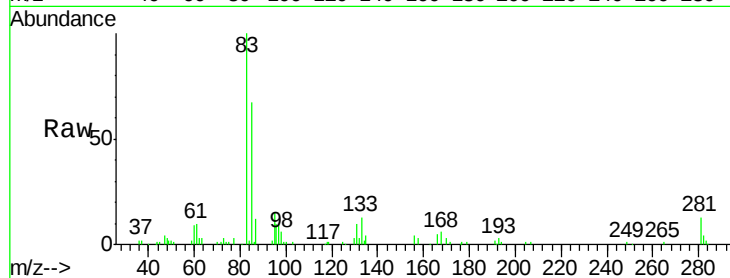
Tot Ion: 83 Resp: 97398

Ion Ratio Lower Upper

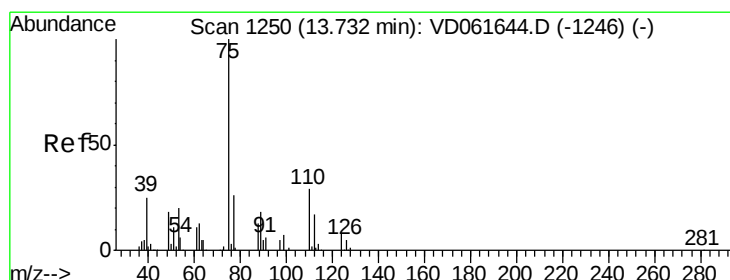
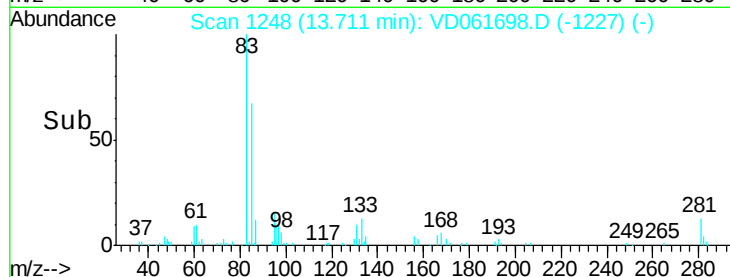
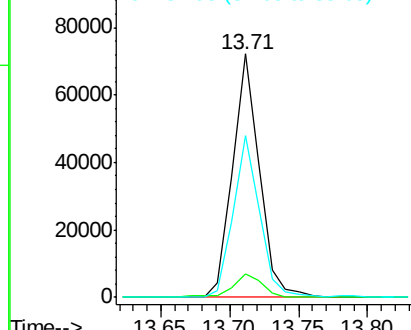
83 100

131 9.9 5.9 17.6

85 66.5 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.505 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061698.D

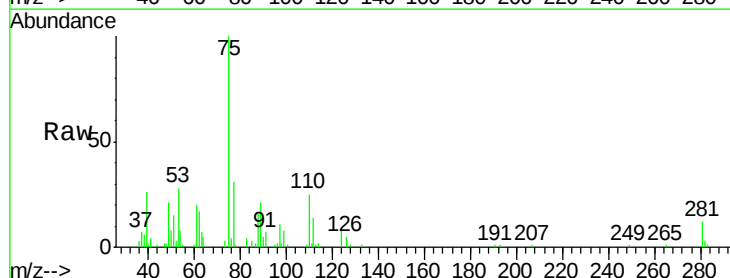
Acq: 10 Apr 2019 4:22

Tgt Ion: 75 Resp: 98658

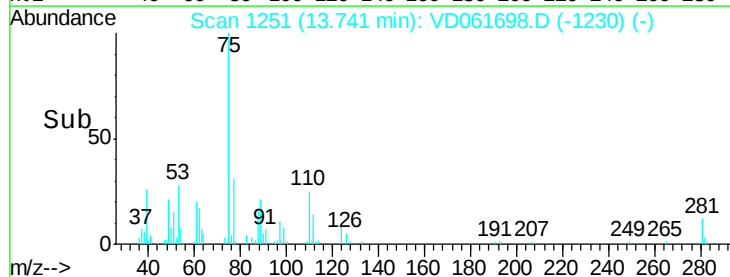
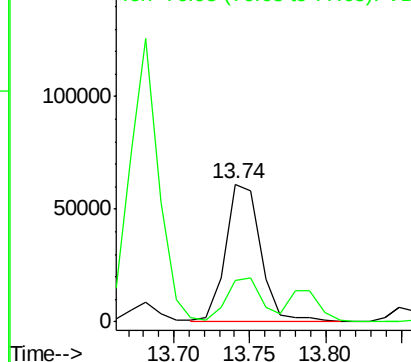
Ion Ratio Lower Upper

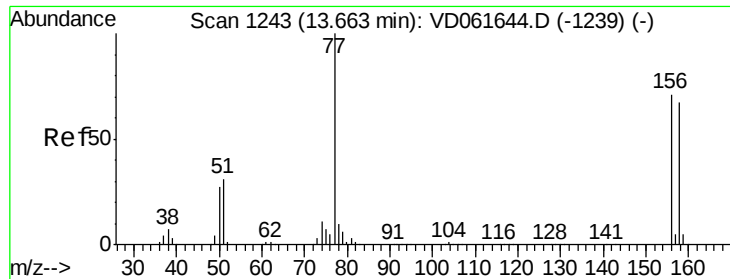
75 100

77 30.5 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.823 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

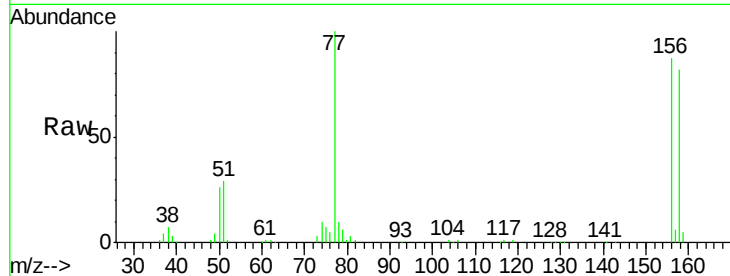
Tot Ion:156 Resp: 142659

Ion Ratio Lower Upper

156 100

77 115.5 70.3 210.8

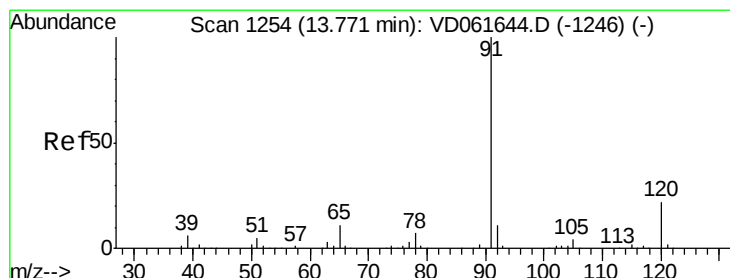
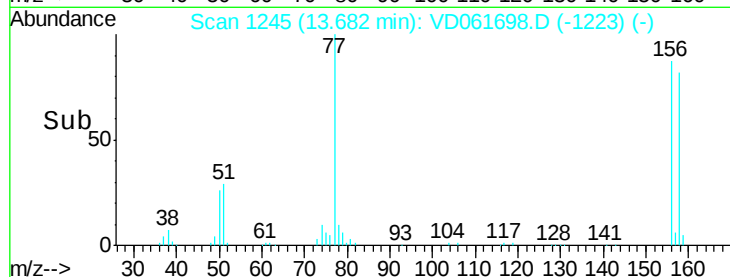
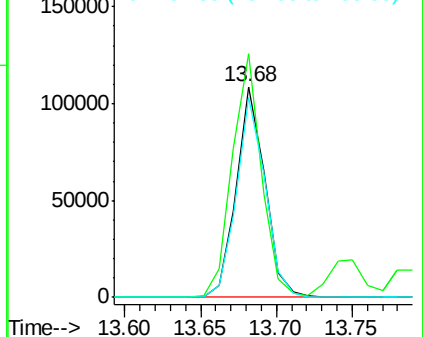
158 94.8 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.206 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061698.D

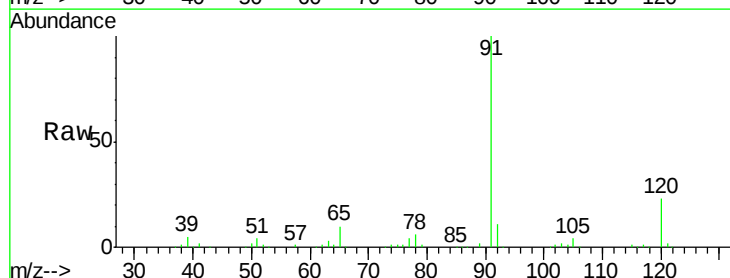
Acq: 10 Apr 2019 4:22

Tgt Ion: 91 Resp: 568640

Ion Ratio Lower Upper

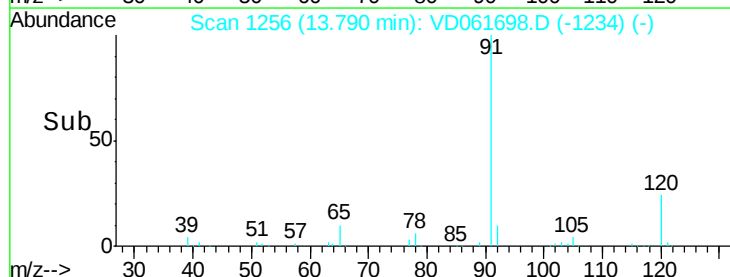
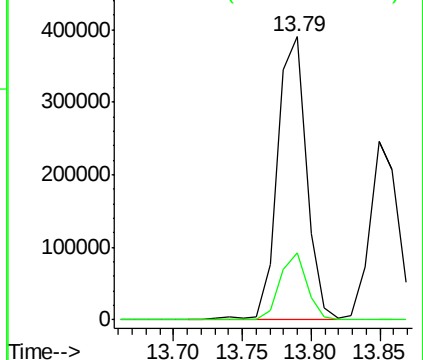
91 100

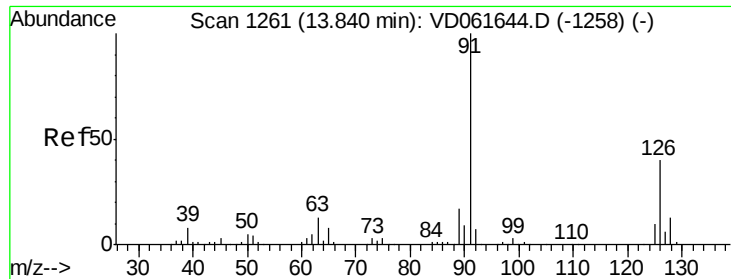
120 23.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

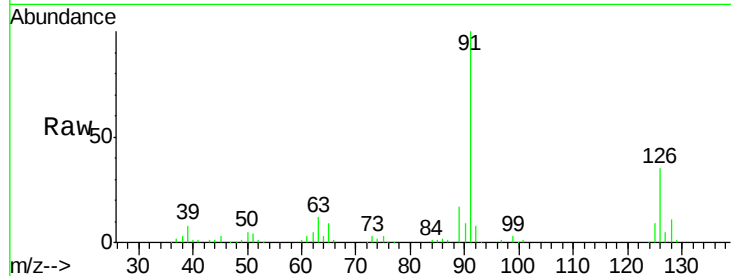




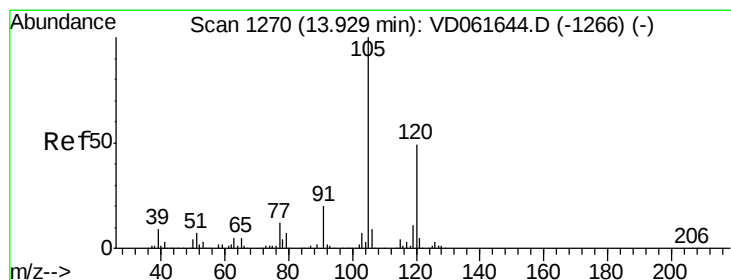
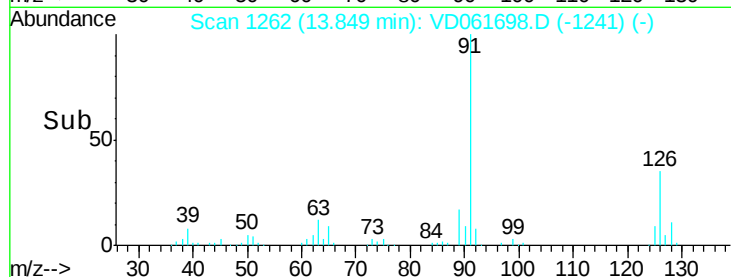
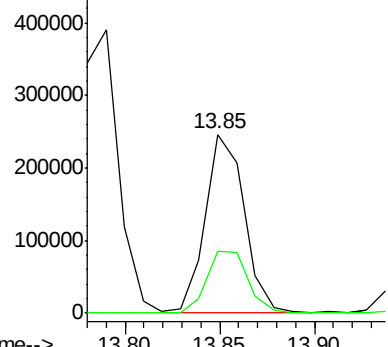
#79
 2-Chlorotoluene
 Concen: 19.495 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 348199
 Ion Ratio Lower Upper
 91 100
 126 34.9 20.0 59.9

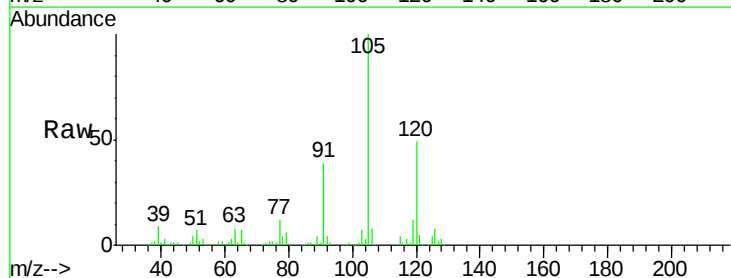


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

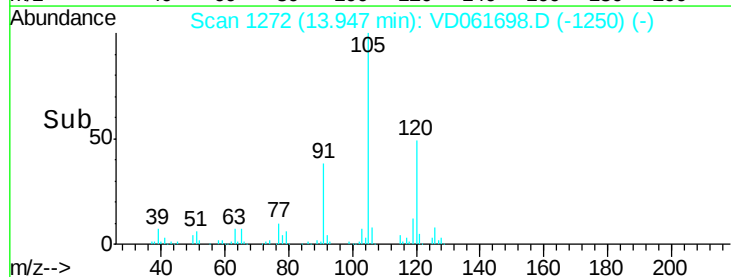
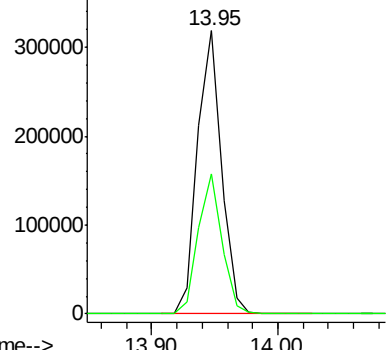


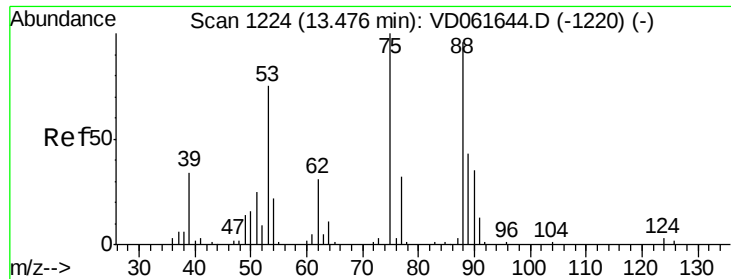
#80
 1,3,5-Trimethylbenzene
 Concen: 20.217 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 105 Resp: 418988
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.088 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

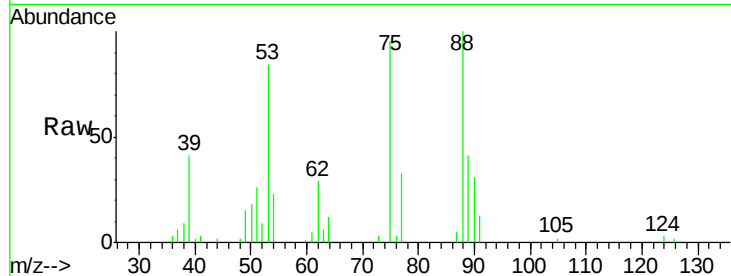
Tot Ion: 75 Resp: 26027

Ion Ratio Lower Upper

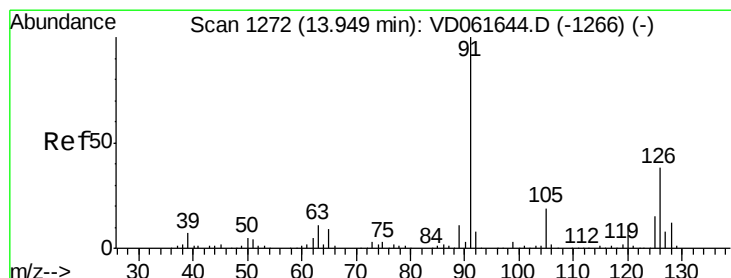
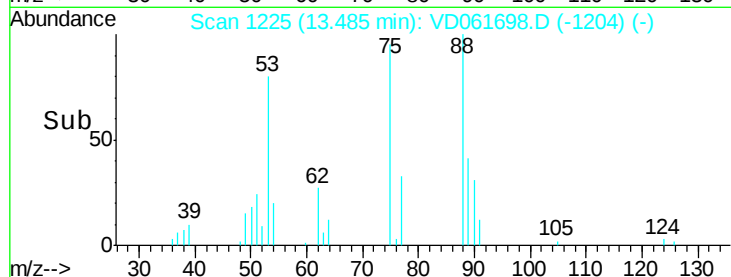
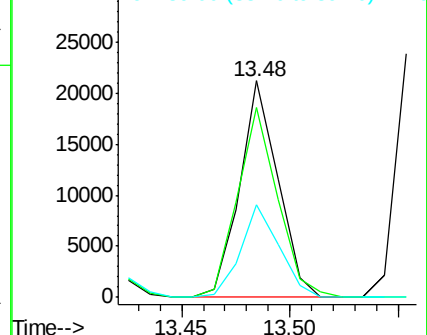
75 100

53 87.9 60.2 90.2

89 43.0 34.2 51.2



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



#82

4-Chlorotoluene

Concen: 20.652 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061698.D

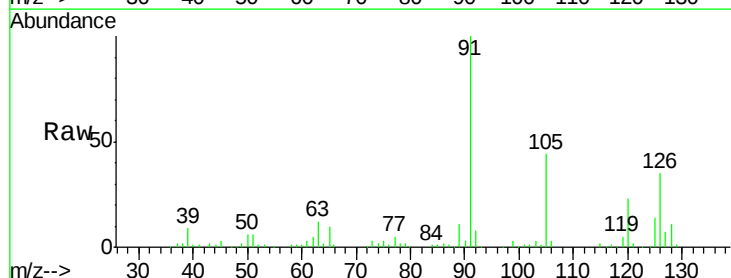
Acq: 10 Apr 2019 4:22

Tgt Ion: 91 Resp: 404198

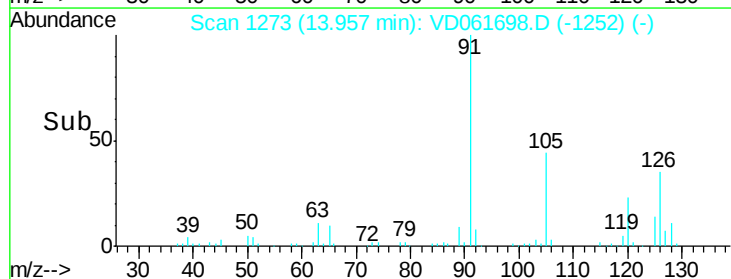
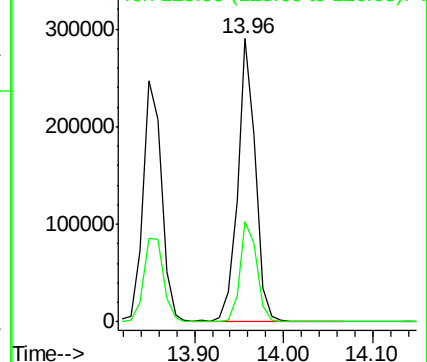
Ion Ratio Lower Upper

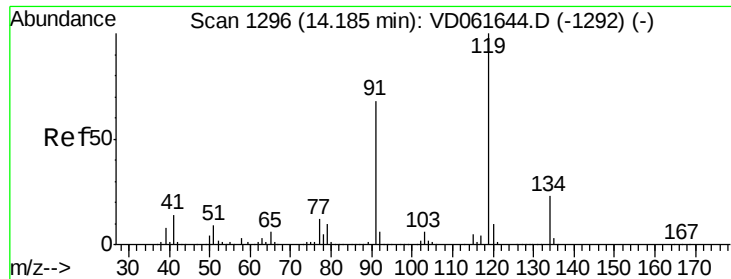
91 100

126 35.4 19.0 57.0



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

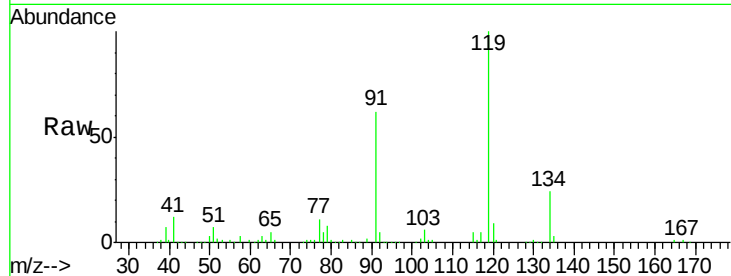




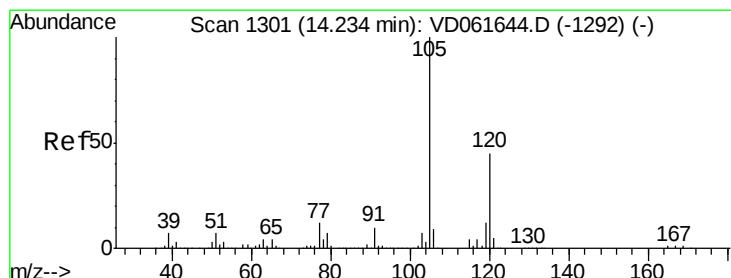
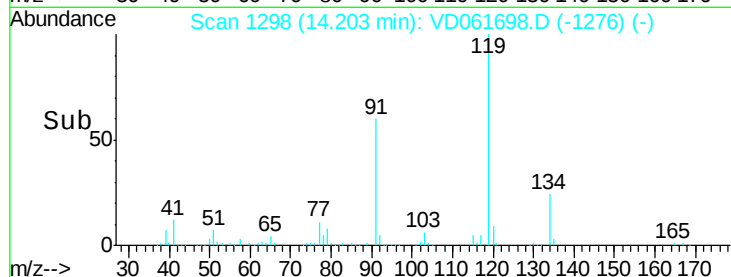
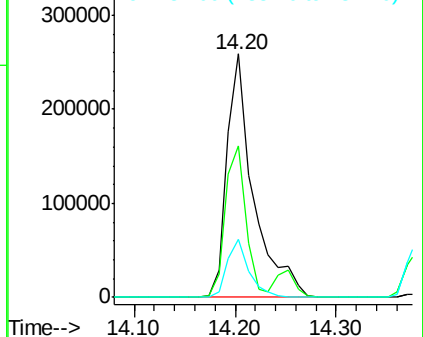
#83
tert-Butylbenzene
Concen: 18.889 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 471998
Ion Ratio Lower Upper
119 100
91 62.3 33.9 101.6
134 23.8 11.6 34.8

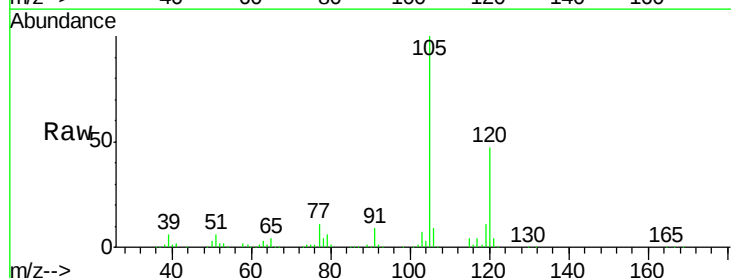


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

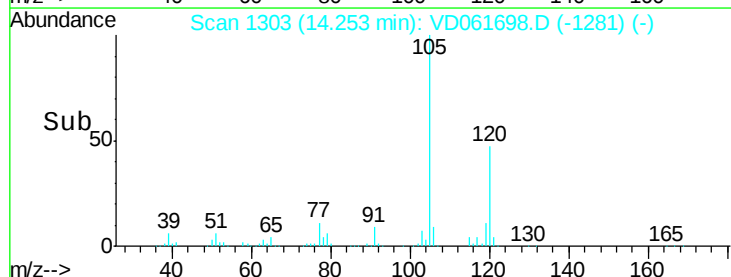
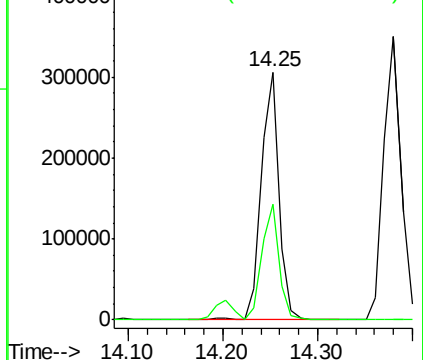


#84
1,2,4-Trimethylbenzene
Concen: 19.204 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:105 Resp: 401686
Ion Ratio Lower Upper
105 100
120 46.8 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

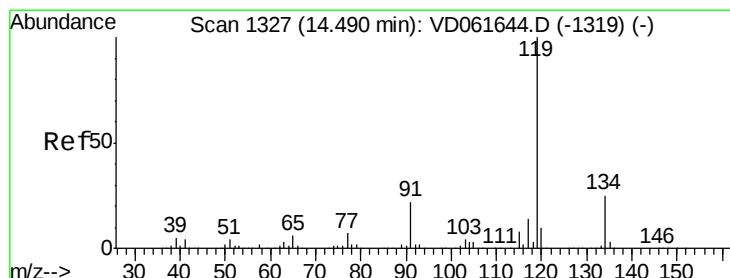
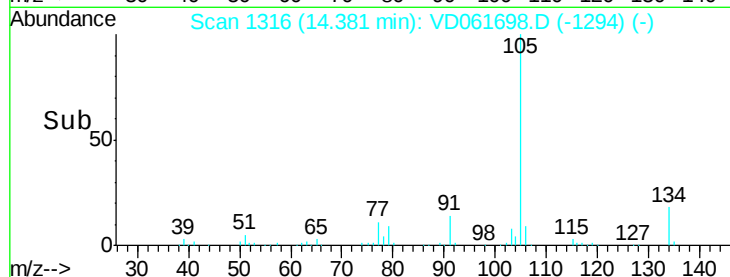
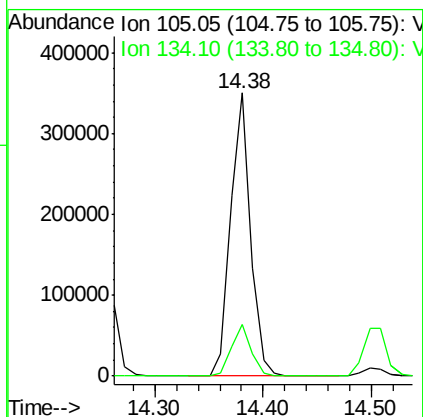
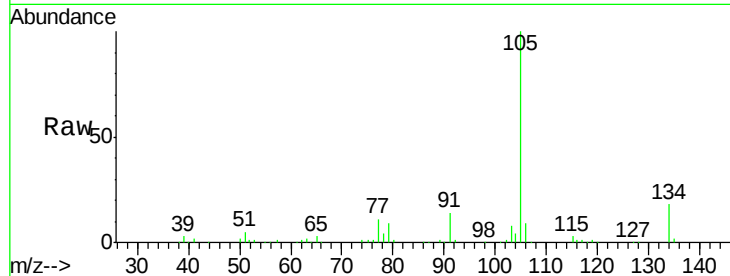




#85
 sec-Butylbenzene
 Concen: 16.731 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

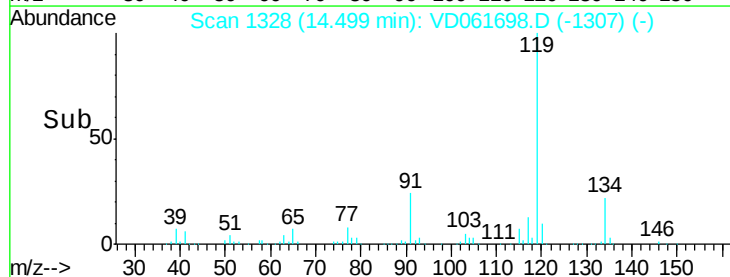
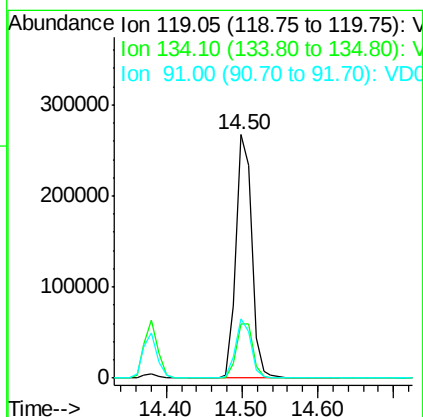
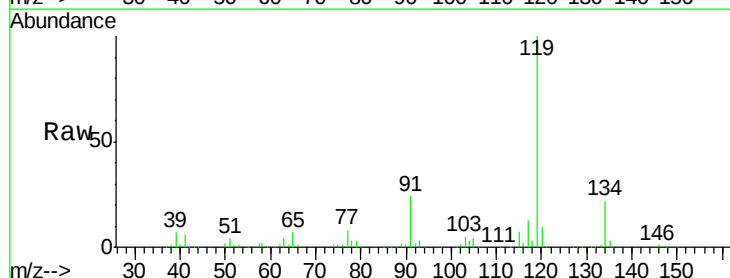
Instrument :
 MSVOA_D
 ClientSampleId :

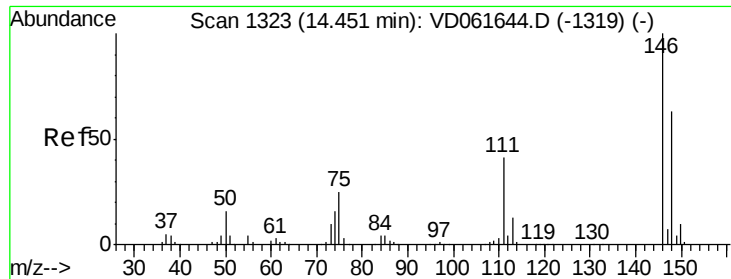
Tot Ion:105 Resp: 451702
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 16.233 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:119 Resp: 380177
 Ion Ratio Lower Upper
 119 100
 134 22.3 12.5 37.5
 91 24.3 11.0 33.0

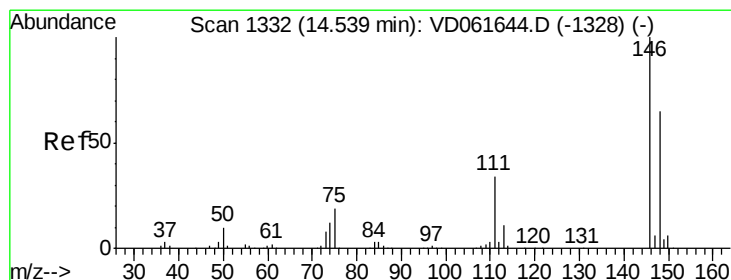
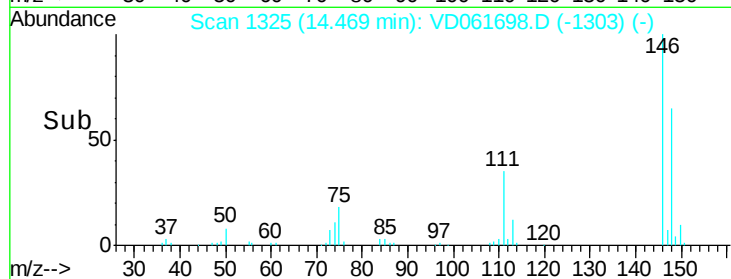
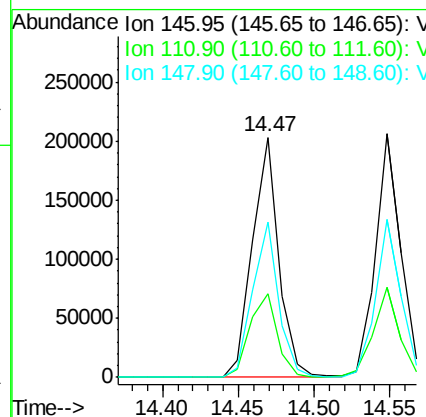
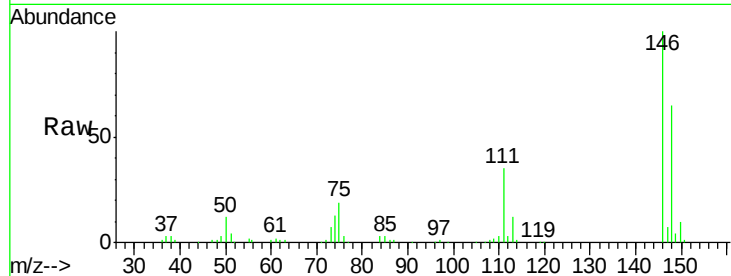




#87
 1,3-Dichlorobenzene
 Concen: 18.925 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

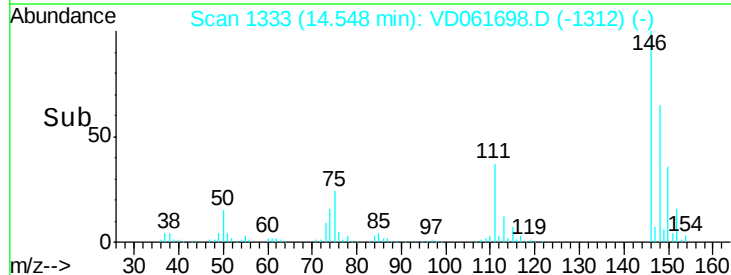
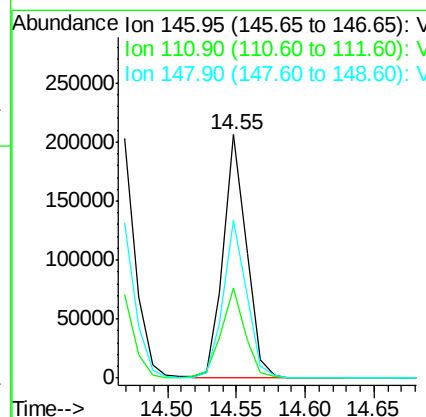
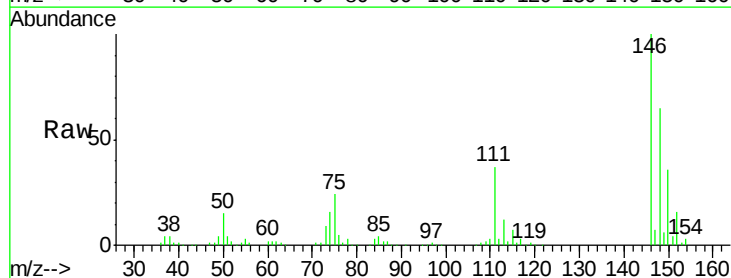
Instrument :
 MSVOA_D
 ClientSampleId :

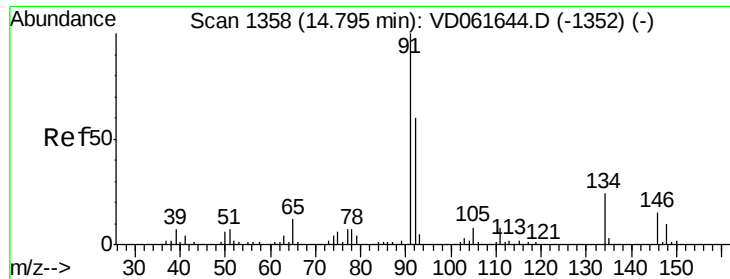
Tot Ion:146 Resp: 246845
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.3 61.0
 148 64.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 18.339 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:146 Resp: 241361
 Ion Ratio Lower Upper
 146 100
 111 37.2 17.1 51.2
 148 64.6 32.6 97.7





#89

n-Butylbenzene

Concen: 18.948 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061698.D

Acq: 10 Apr 2019 4:22

Instrument :

MSVOA_D

ClientSampleId :

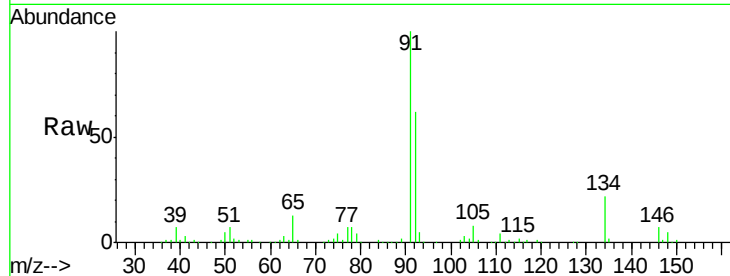
Tot Ion: 91 Resp: 385709

Ion Ratio Lower Upper

91 100

92 61.6 29.8 89.4

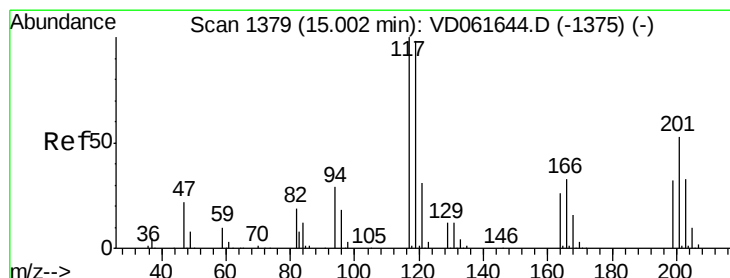
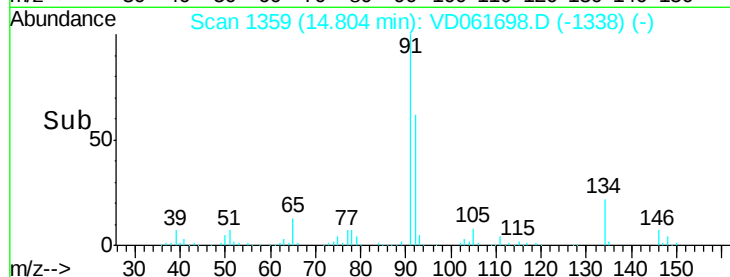
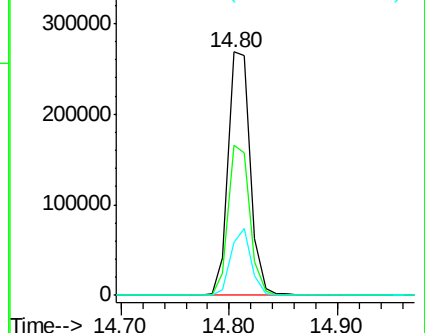
134 21.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.065 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD061698.D

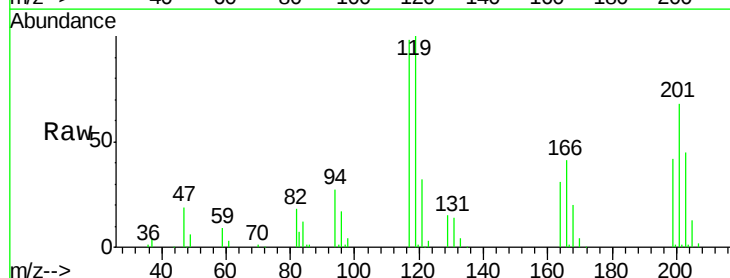
Acq: 10 Apr 2019 4:22

Tgt Ion: 117 Resp: 114801

Ion Ratio Lower Upper

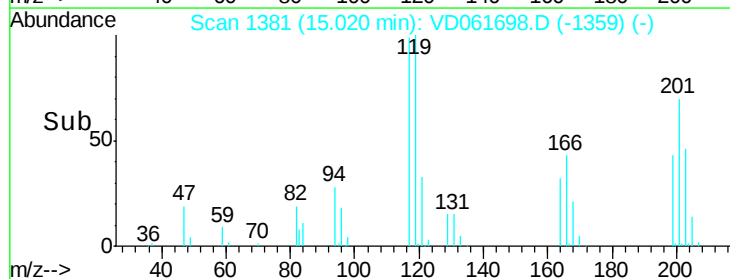
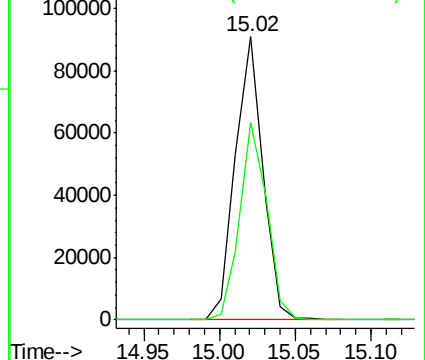
117 100

201 69.7 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

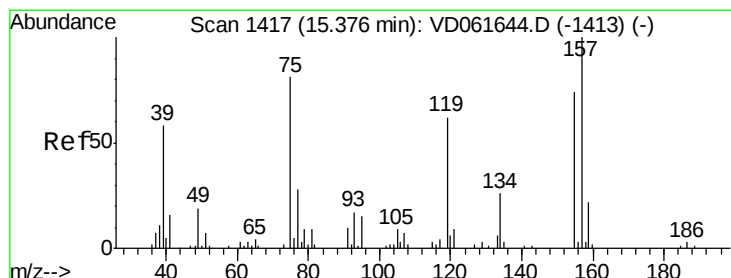
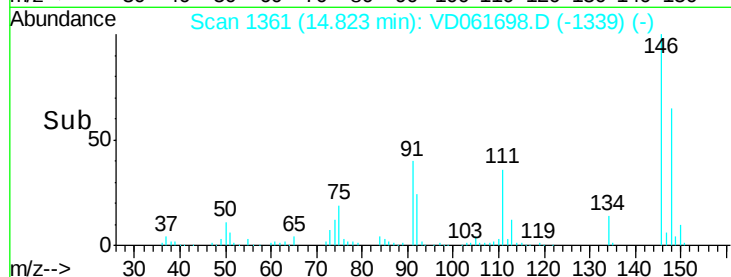
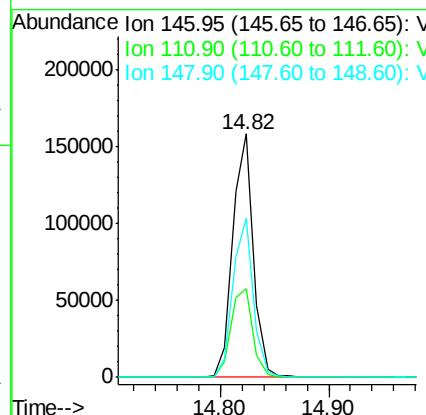
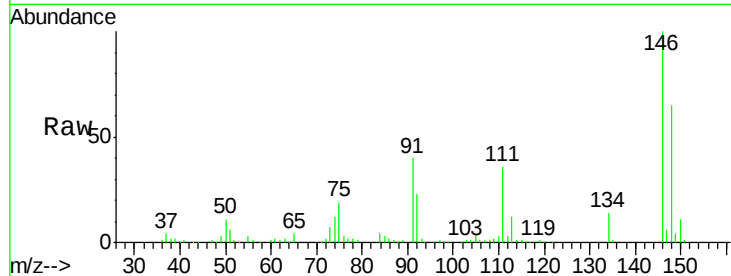




#91
 1,2-Dichlorobenzene
 Concen: 19.517 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

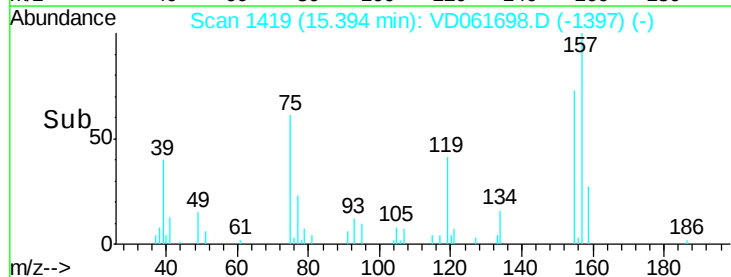
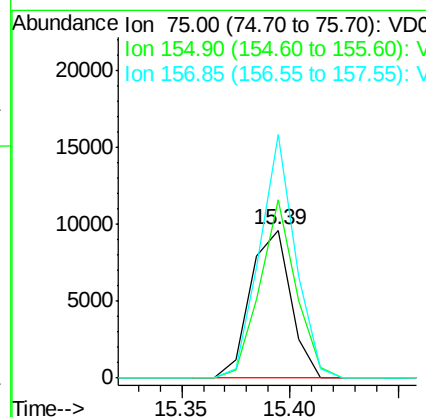
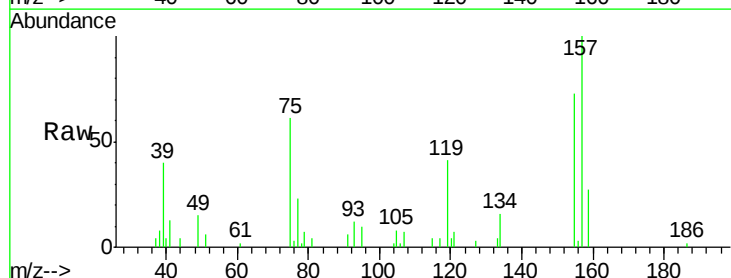
Instrument :
 MSVOA_D
 ClientSampleId :

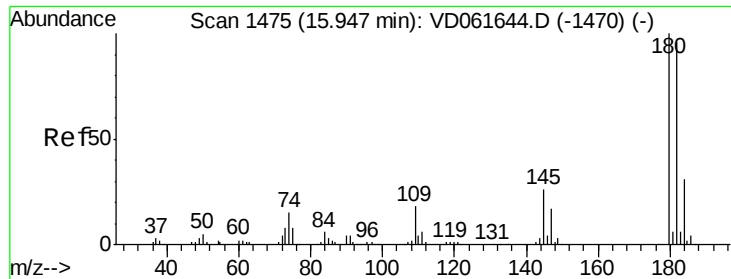
Tot Ion:146 Resp: 209806
 Ion Ratio Lower Upper
 146 100
 111 36.3 21.1 63.3
 148 65.3 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.283 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion: 75 Resp: 12563
 Ion Ratio Lower Upper
 75 100
 155 120.2 45.6 136.7
 157 164.5 61.4 184.2

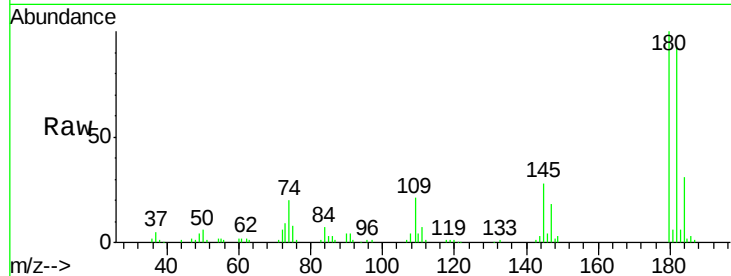




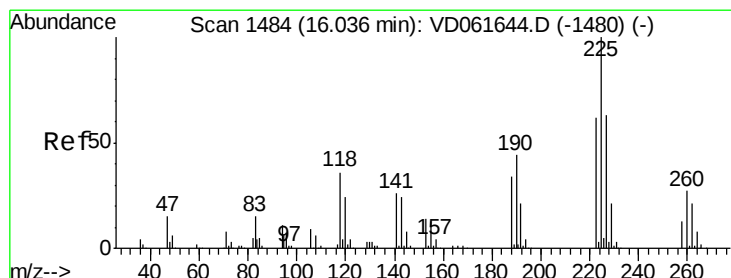
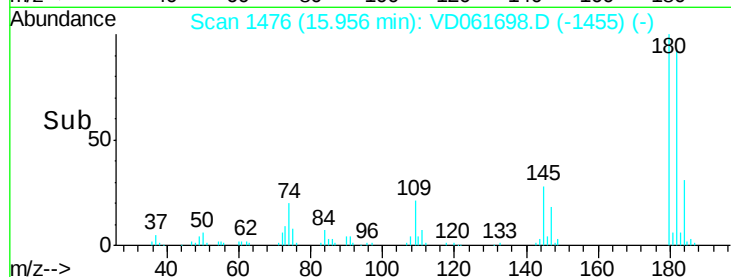
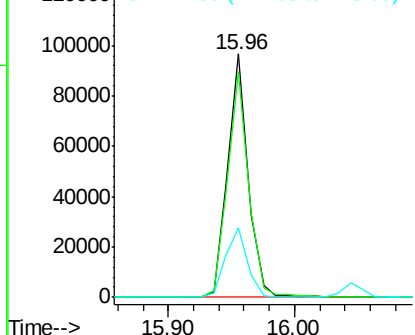
#93
 1,2,4-Trichlorobenzene
 Concen: 19.709 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 107946
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.8 143.3
 145 28.5 13.3 39.8

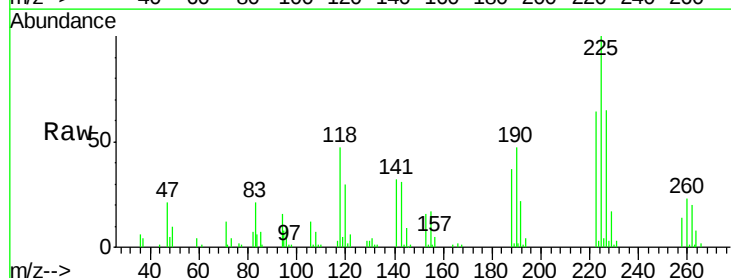


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

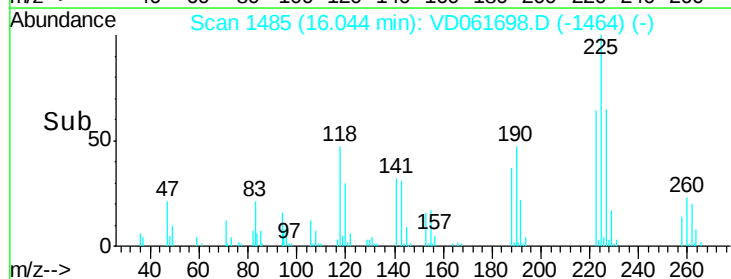
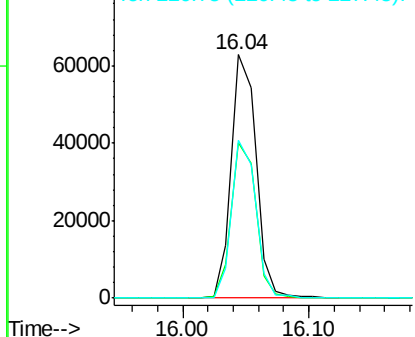


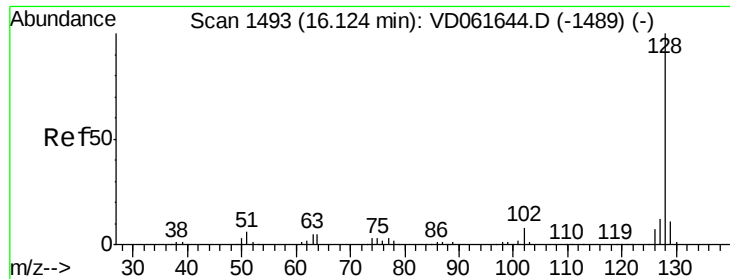
#94
 Hexachlorobutadiene
 Concen: 20.200 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061698.D
 Acq: 10 Apr 2019 4:22

Tgt Ion:225 Resp: 85426
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.8 92.3
 227 64.8 31.5 94.5



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

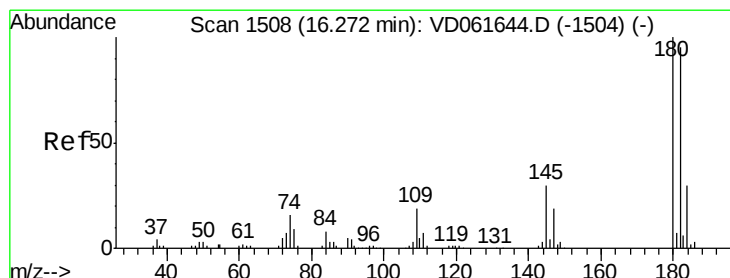
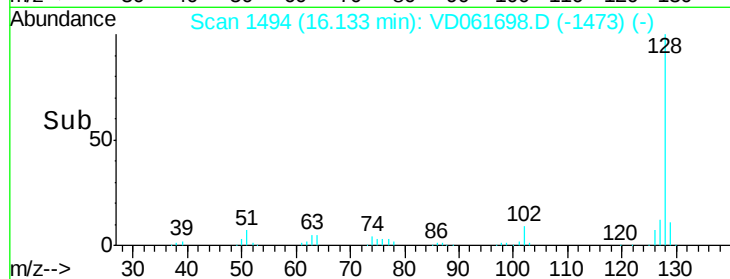
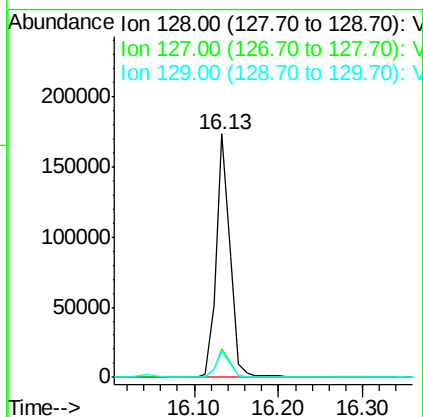
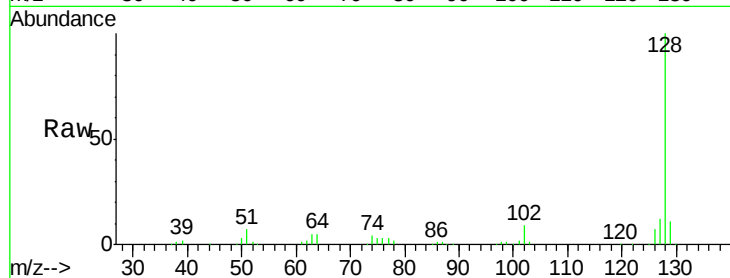




#95
Naphthalene
Concen: 22.599 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 195843
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.596 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061698.D
Acq: 10 Apr 2019 4:22

Tgt Ion:180 Resp: 67232
Ion Ratio Lower Upper
180 100
182 90.8 47.3 142.0
145 30.0 15.1 45.3

