

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062770.D
 Acq On : 19 Jun 2019 3:18
 Operator : VA/AP
 Sample : K3158-03
 Misc : 6.56g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 07:05:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	795479	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1100853	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	814156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	359120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	454399	39.59	ug/l	0.00
Spiked Amount 50.000			Recovery =	79.18%		
35) Dibromofluoromethane	6.92	113	481168	41.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.88%		
50) Toluene-d8	10.42	98	889029	36.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	72.80%		
62) 4-Bromofluorobenzene	13.56	95	376263	33.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	66.04%		

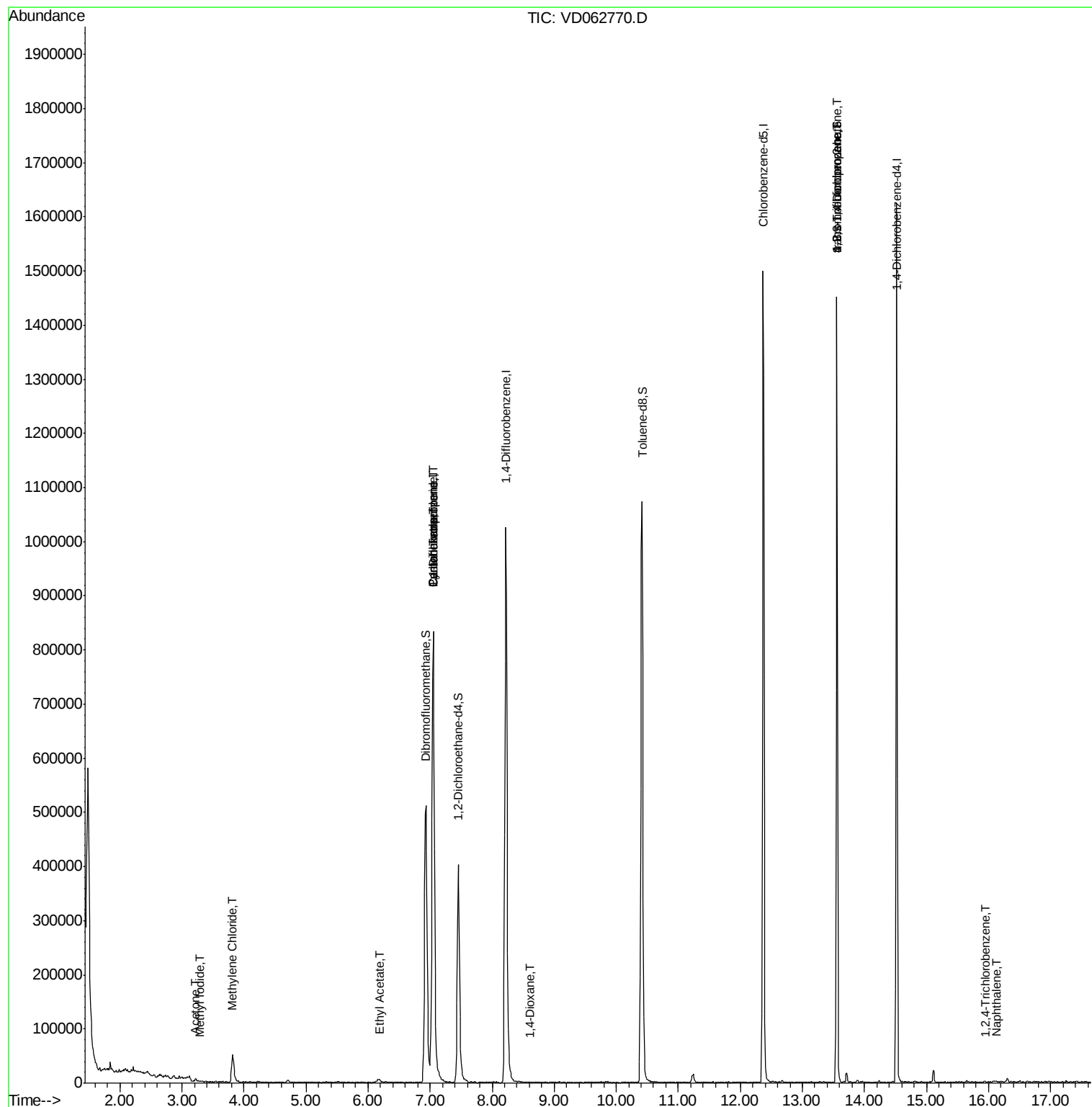
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	601	Below Cal	#	42
10) Methyl Iodide	3.29	142	216	4.023	ug/l #	24
16) Acetone	3.22	43	9136	4.346	ug/l #	29
20) Methylene Chloride	3.82	84	33863	3.856	ug/l #	80
31) Cyclohexane	7.04	56	17392	1.920	ug/l #	17
36) 1,1-Dichloropropene	7.04	75	64247	5.099	ug/l #	53
37) Ethyl Acetate	6.17	43	544	1.300	ug/l #	74
38) Carbon Tetrachloride	7.05	117	79975	4.016	ug/l #	17
49) 1,4-Dioxane	8.61	88	211	51.945	ug/l #	24
76) 1,2,3-Trichloropropane	13.56	75	133593	27.436	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	190708	125.674	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	585	3.627	ug/l #	64
95) Naphthalene	16.13	128	2218	3.608	ug/l #	71

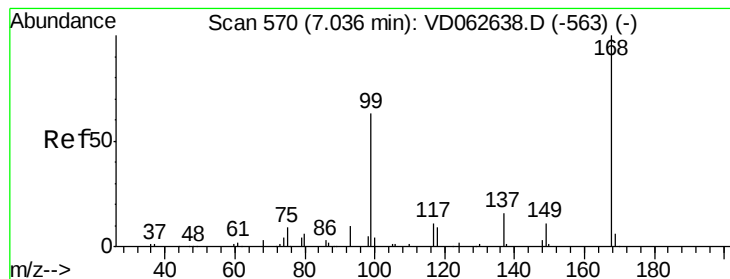
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062770.D
Acq On : 19 Jun 2019 3:18
Operator : VA/AP
Sample : K3158-03
Misc : 6.56g/5ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 07:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

Instrument :

MSVOA_D

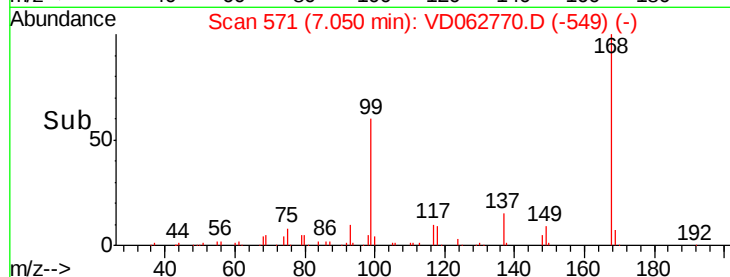
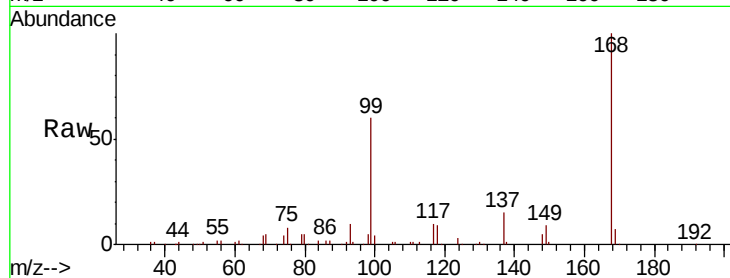
ClientSampleId :

Tot Ion:168 Resp: 795479

Ion Ratio Lower Upper

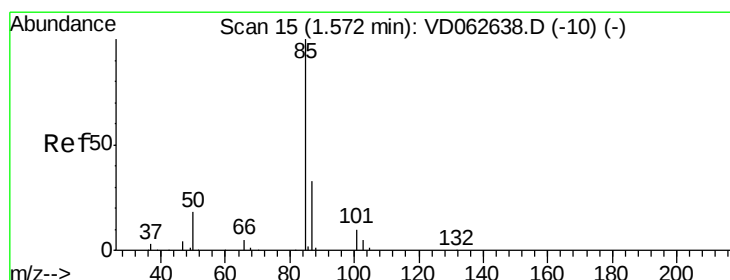
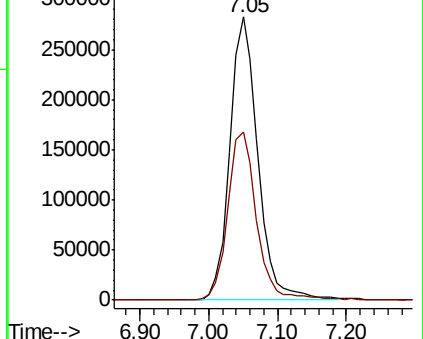
168 100

99 59.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062770.D

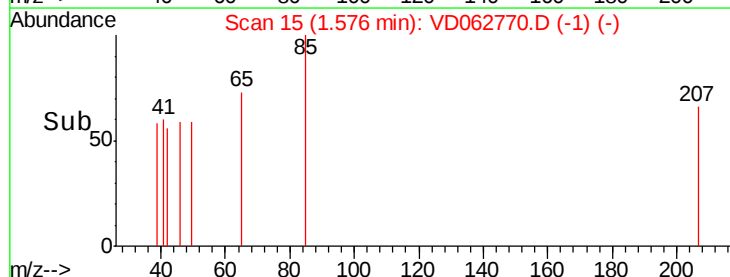
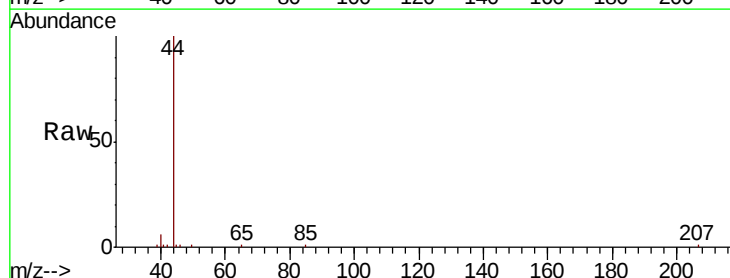
Acq: 19 Jun 2019 3:18

Tgt Ion: 85 Resp: 601

Ion Ratio Lower Upper

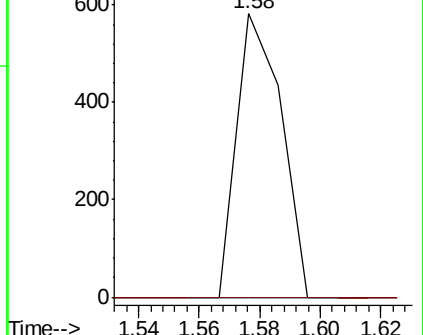
85 100

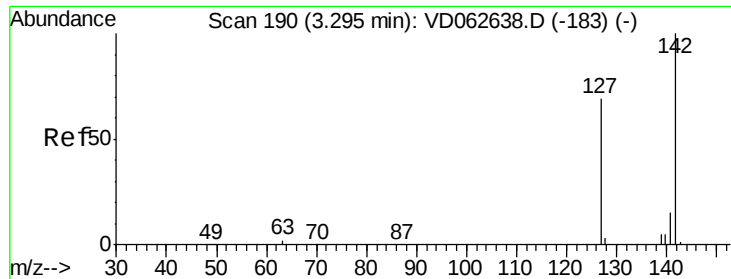
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

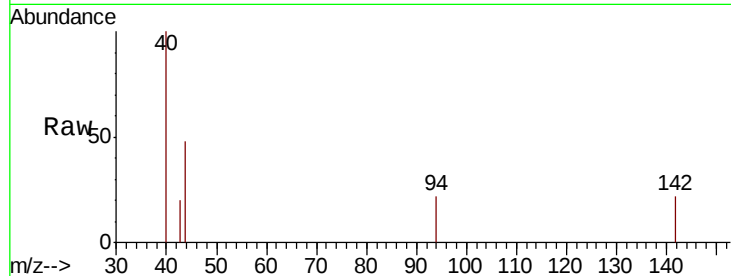




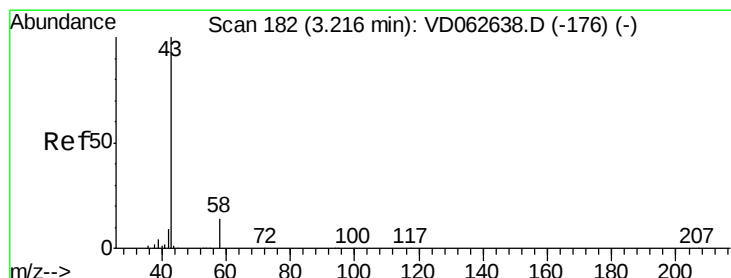
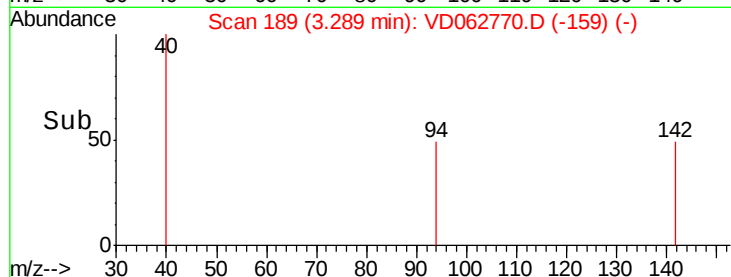
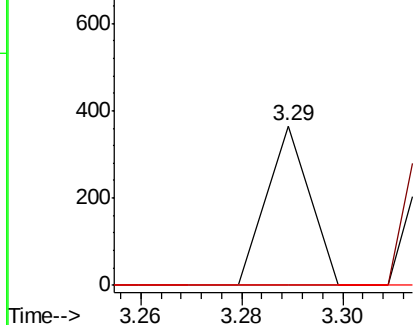
#10
Methvl Iodide
Concen: 4.023 ug/l
RT: 3.29 min Scan# 189
Delta R.T. -0.00 min
Lab File: VD062770.D
Acq: 19 Jun 2019 3:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 216
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

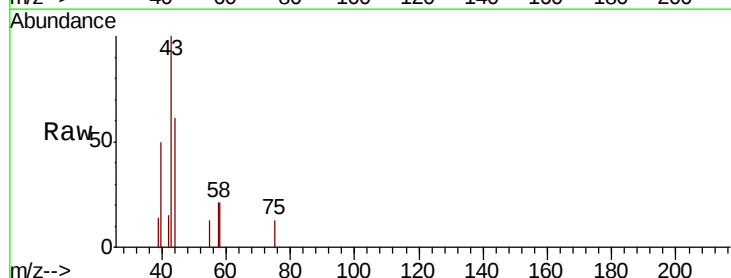


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

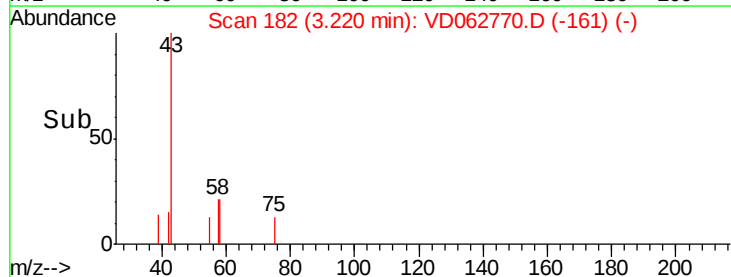
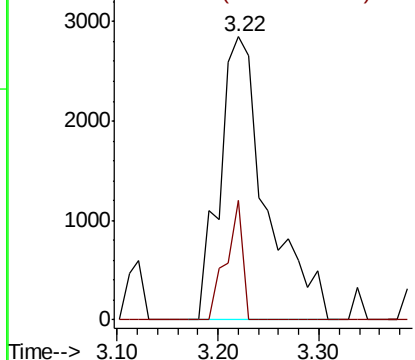


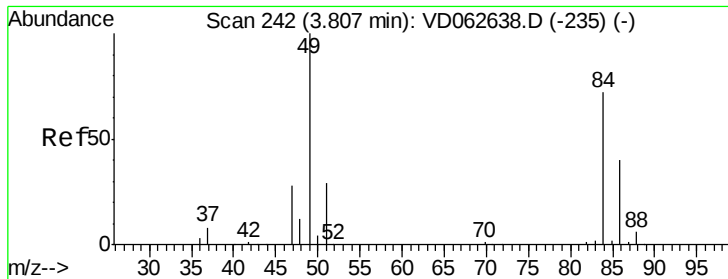
#16
Acetone
Concen: 4.346 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD062770.D
Acq: 19 Jun 2019 3:18

Tgt Ion: 43 Resp: 9136
Ion Ratio Lower Upper
43 100
58 42.0 10.8 16.2#



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

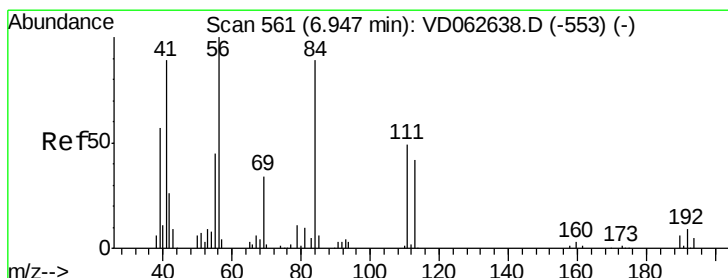
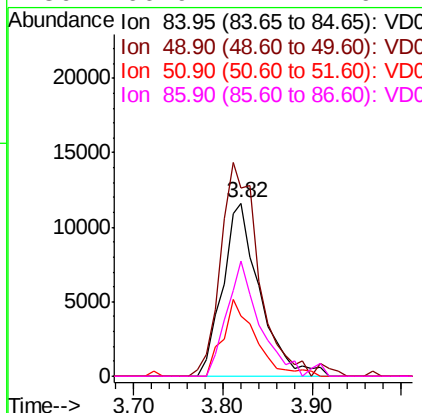
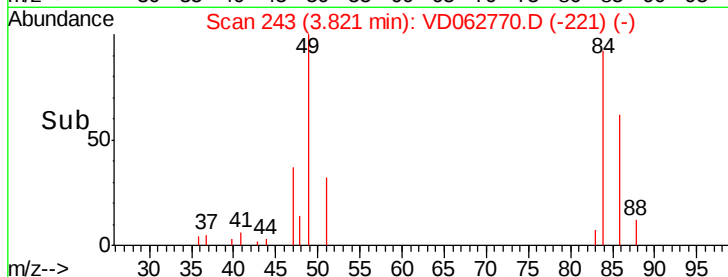
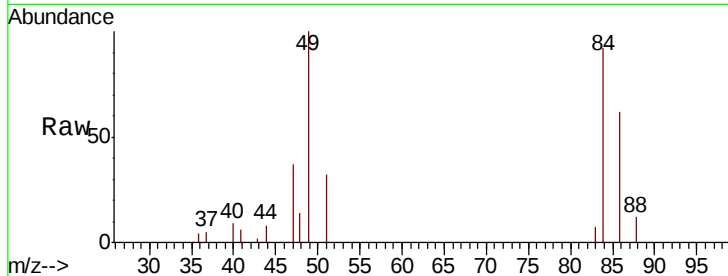




#20
Methylene Chloride
Concen: 3.856 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062770.D
Acq: 19 Jun 2019 3:18

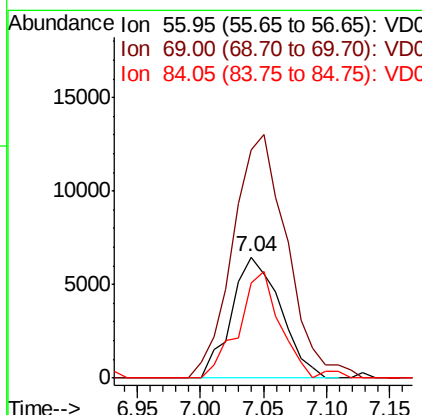
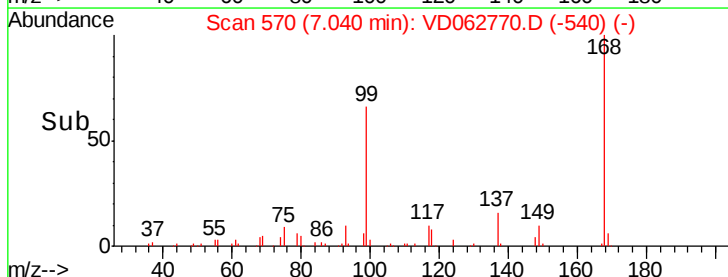
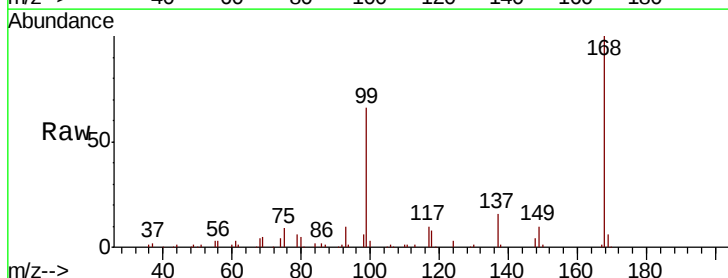
Instrument :
MSVOA_D
ClientSampleId :

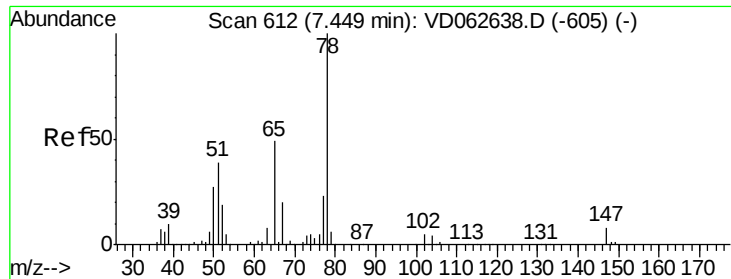
Tot Ion: 84 Resp: 33863
Ion Ratio Lower Upper
84 100
49 108.4 111.2 166.8#
51 34.9 31.9 47.9
86 66.9 44.7 67.1



#31
Cyclohexane
Concen: 1.920 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062770.D
Acq: 19 Jun 2019 3:18

Tgt Ion: 56 Resp: 17392
Ion Ratio Lower Upper
56 100
69 188.5 26.8 40.2#
84 78.8 73.9 110.9





#33

1,2-Dichloroethane-d4

Concen: 39.586 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

Instrument :

MSVOA_D

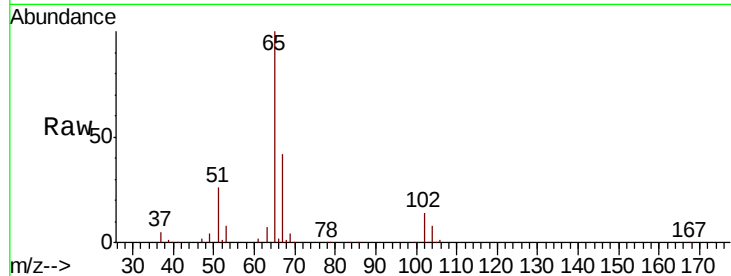
ClientSampleId :

Tot Ion: 65 Resp: 454399

Ion Ratio Lower Upper

65 100

67 42.5 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

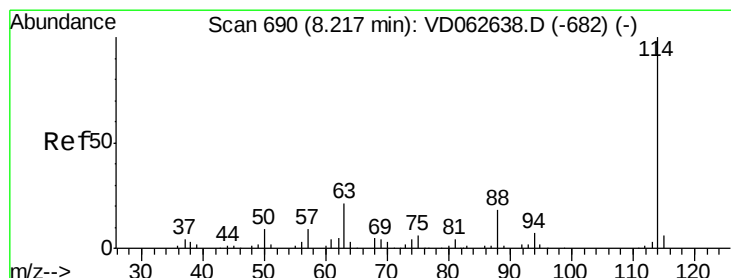
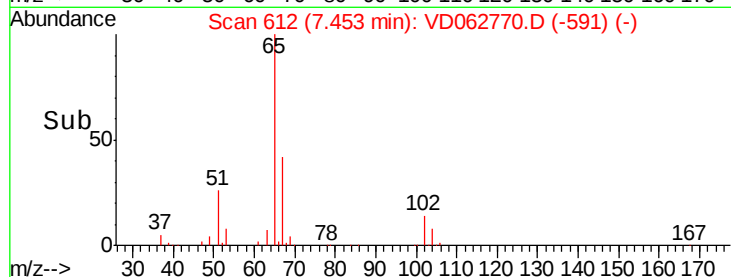
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

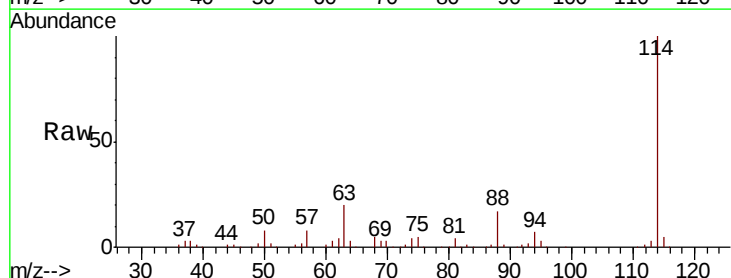
Tgt Ion: 114 Resp: 1100853

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 17.2 0.0 36.8



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

8.22

600000

500000

400000

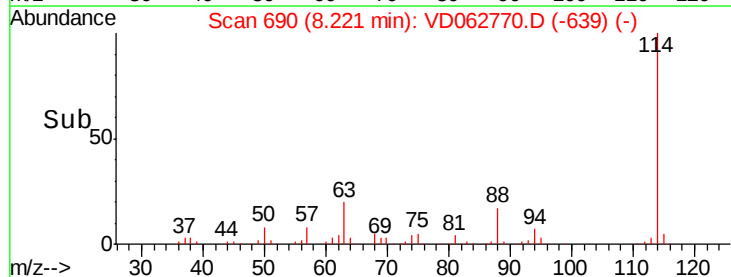
300000

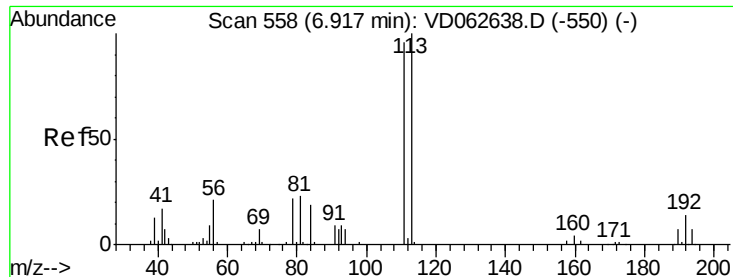
200000

100000

0

Time-->

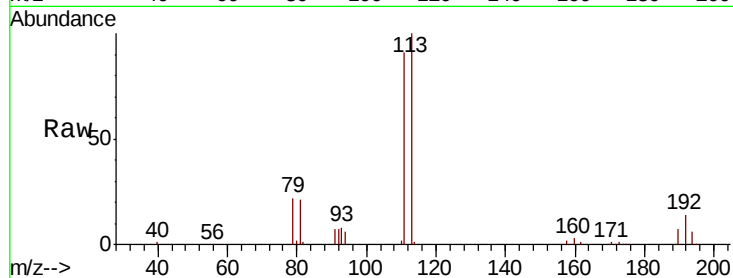




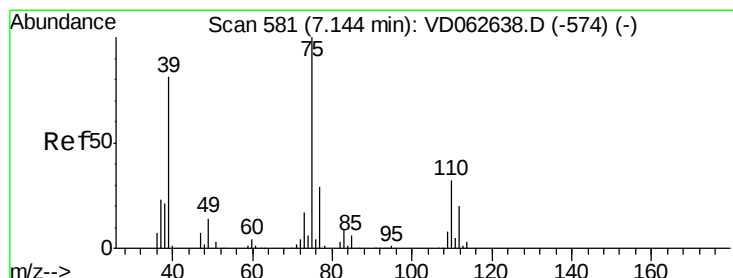
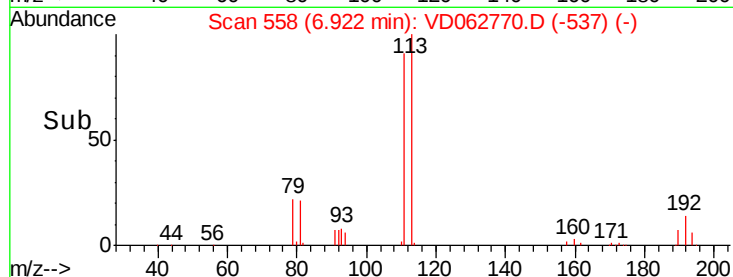
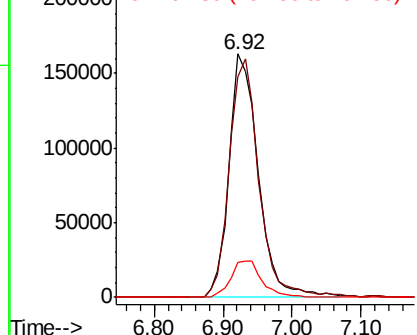
#35
 Dibromofluoromethane
 Concen: 41.444 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD062770.D
 Acq: 19 Jun 2019 3:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 481168
 Ion Ratio Lower Upper
 113 100
 111 90.6 76.4 114.6
 192 14.1 11.4 17.0

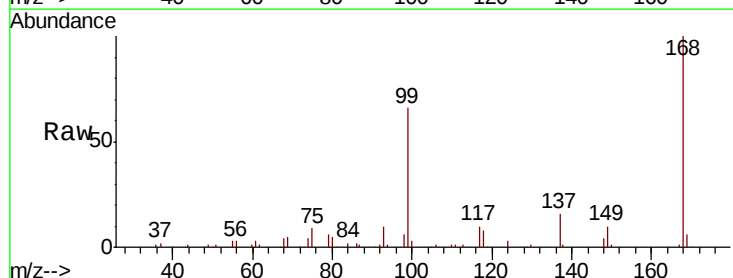


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

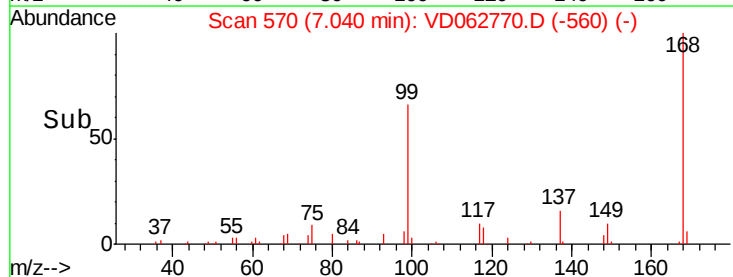
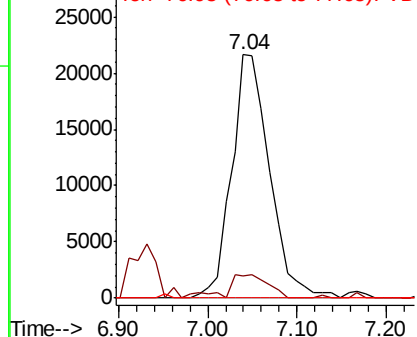


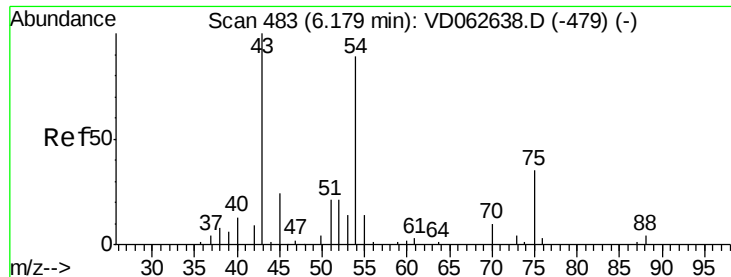
#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD062770.D
 Acq: 19 Jun 2019 3:18

Tgt Ion: 75 Resp: 64247
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.9 47.7#
 77 0.0 23.3 34.9#



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

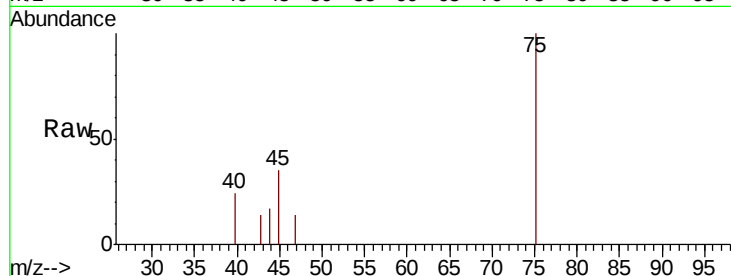




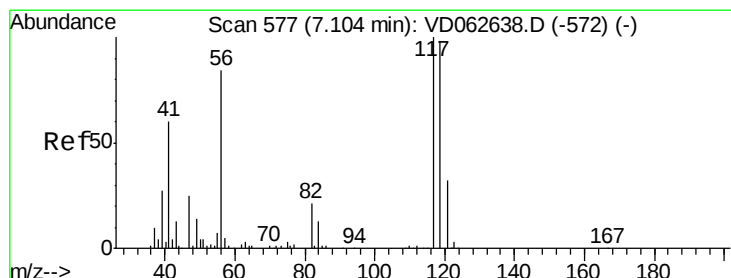
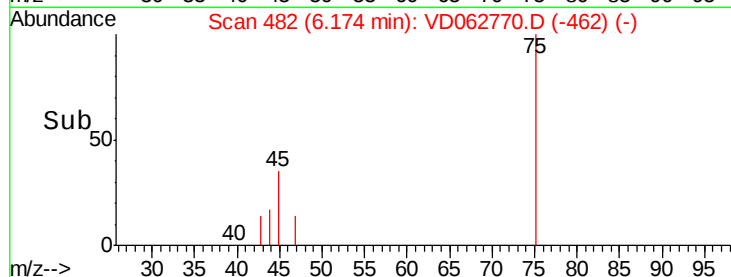
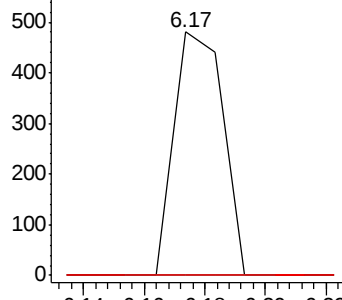
#37
Ethyl Acetate
Concen: 1.300 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062770.D
Acq: 19 Jun 2019 3:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

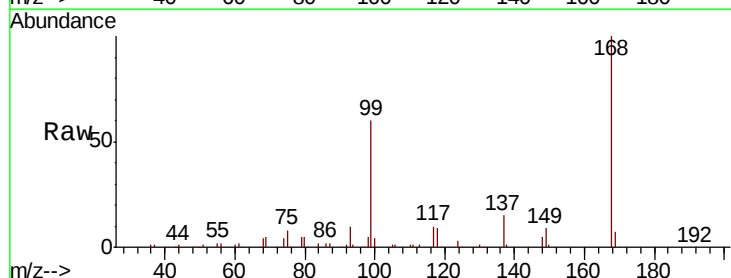


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

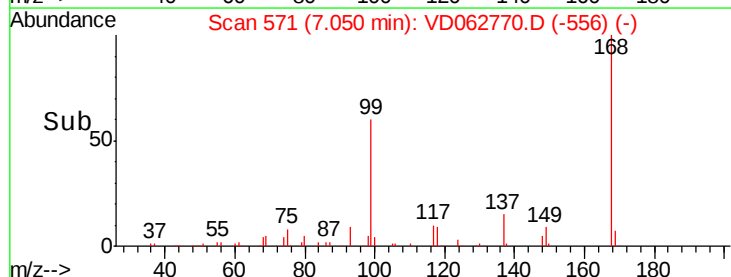
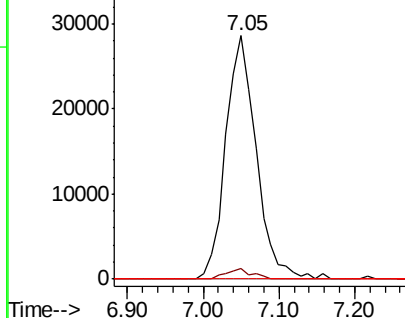


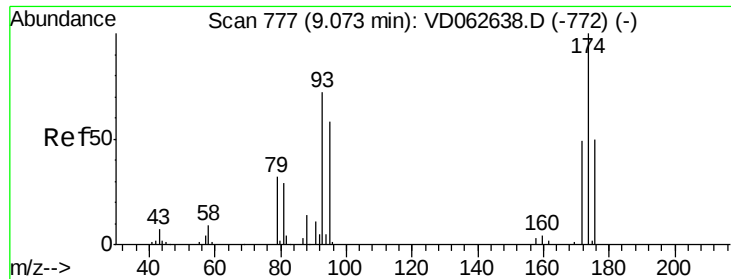
#38
Carbon Tetrachloride
Concen: 4.016 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062770.D
Acq: 19 Jun 2019 3:18

Tgt Ion: 117 Resp: 79975
Ion Ratio Lower Upper
117 100
119 4.5 73.5 110.3#
121 0.0 24.2 36.4#



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





#49

1,4-Dioxane

Concen: 51.945 ug/l

RT: 8.61 min Scan# 729

Delta R.T. -0.47 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

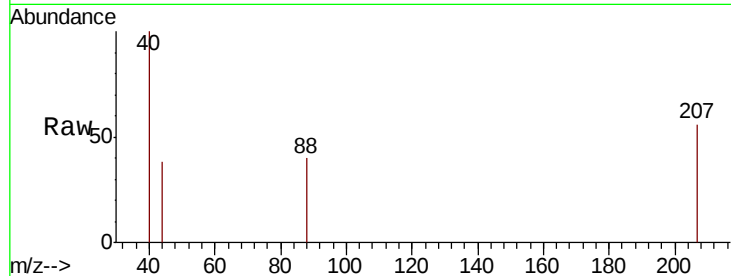
Tot Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 96.1 40.7 61.1#

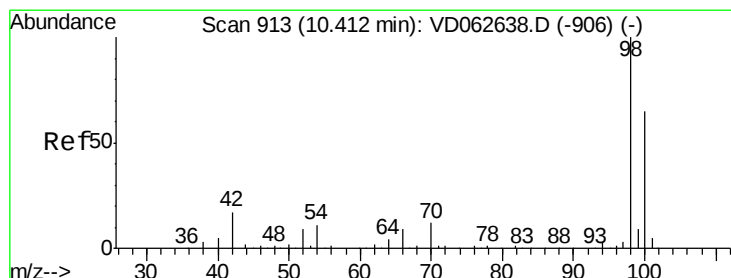
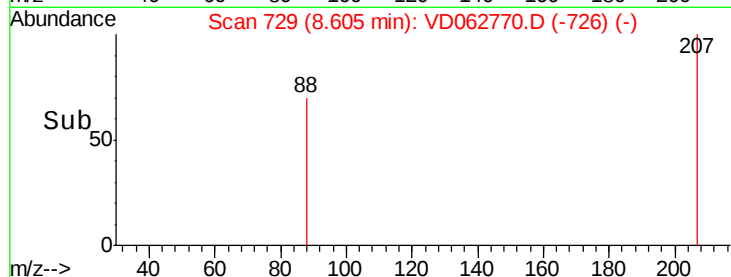
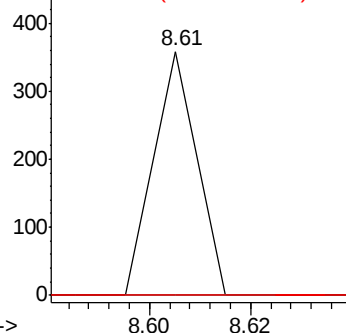
58 0.0 54.2 81.4#



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: 36.401 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062770.D

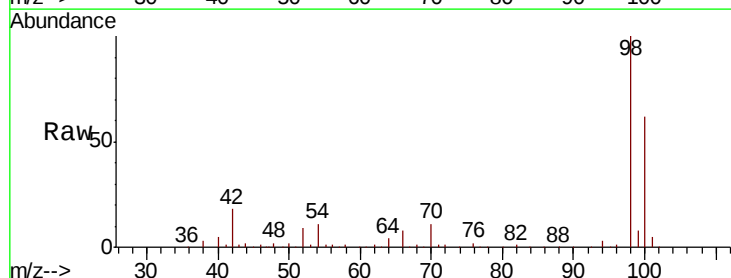
Acq: 19 Jun 2019 3:18

Tgt Ion: 98 Resp: 889029

Ion Ratio Lower Upper

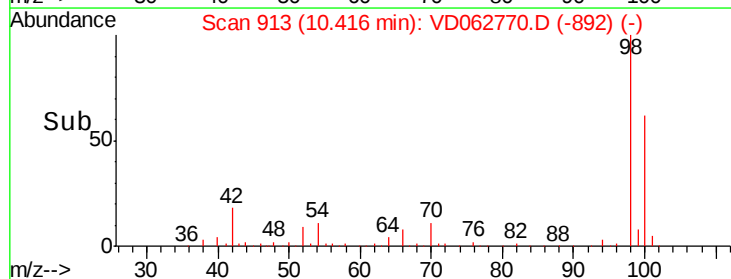
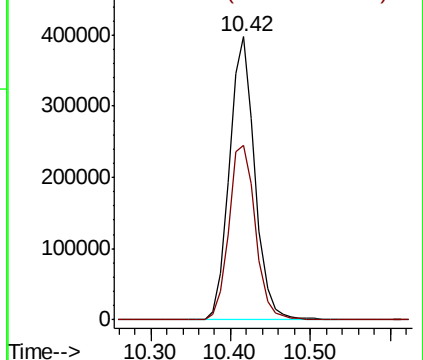
98 100

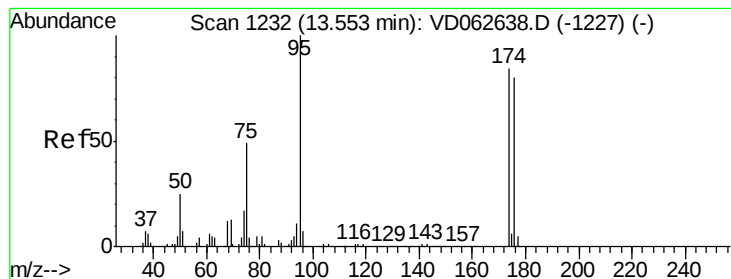
100 61.9 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 33.022 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

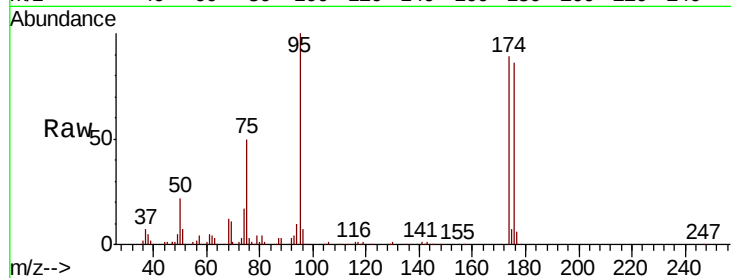
Tot Ion: 95 Resp: 376263

Ion Ratio Lower Upper

95 100

174 89.4 0.0 167.0

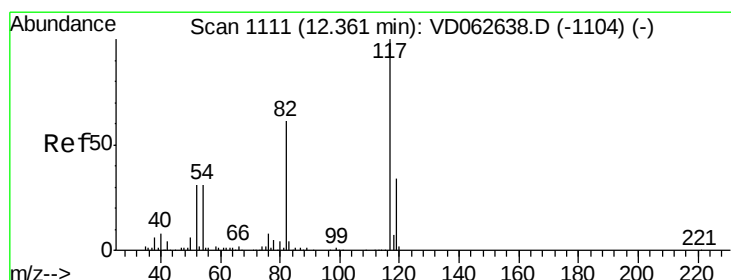
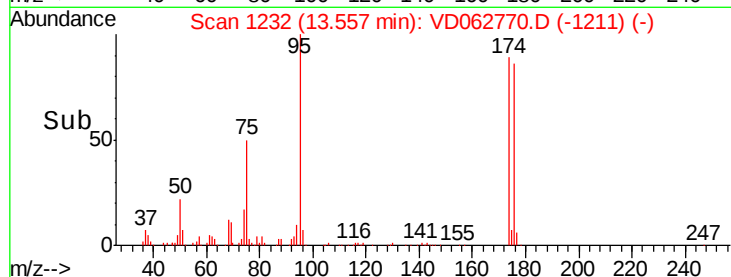
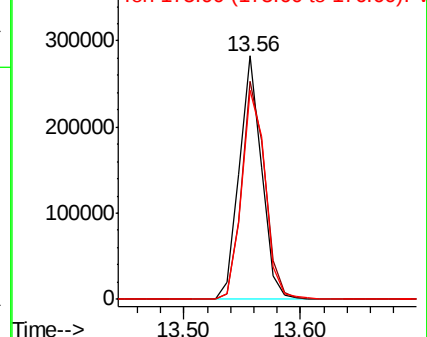
176 85.7 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

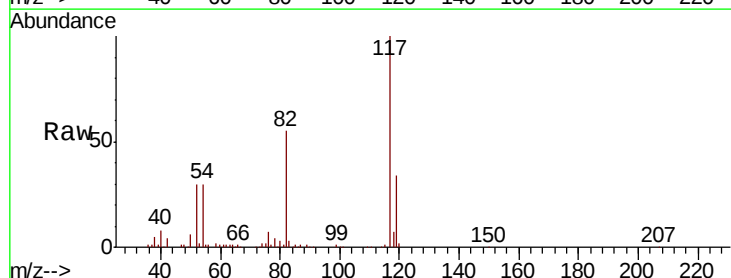
Tgt Ion: 117 Resp: 814156

Ion Ratio Lower Upper

117 100

82 55.3 48.7 73.1

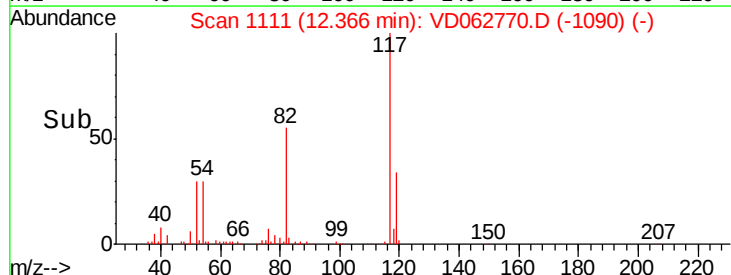
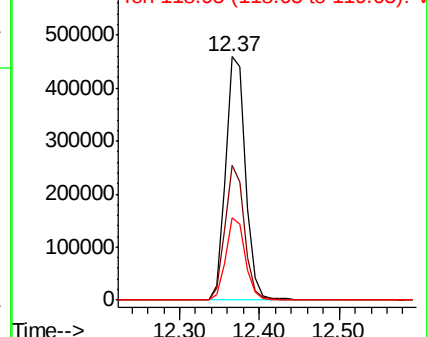
119 33.6 27.0 40.6

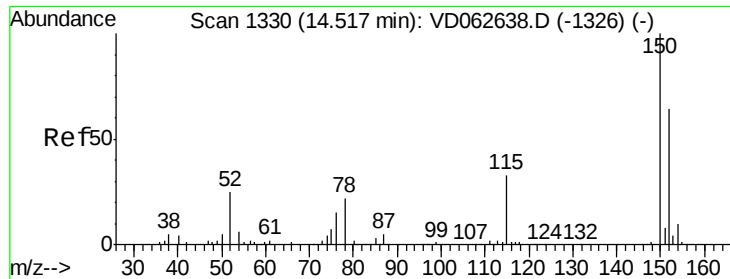


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

Instrument :

MSVOA_D

ClientSampled :

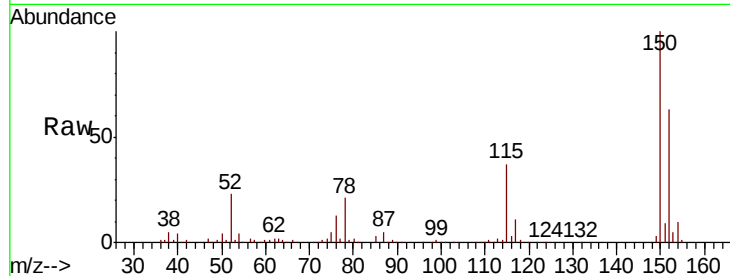
Tot Ion:152 Resp: 359120

Ion Ratio Lower Upper

152 100

115 57.8 30.1 90.5

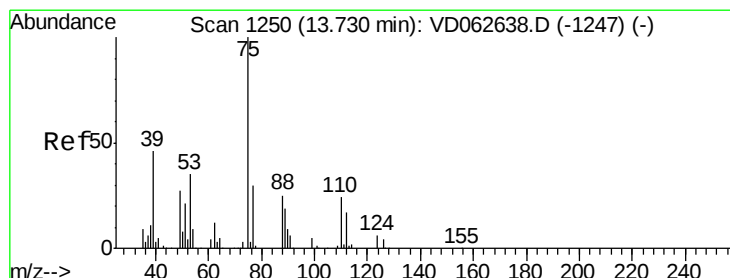
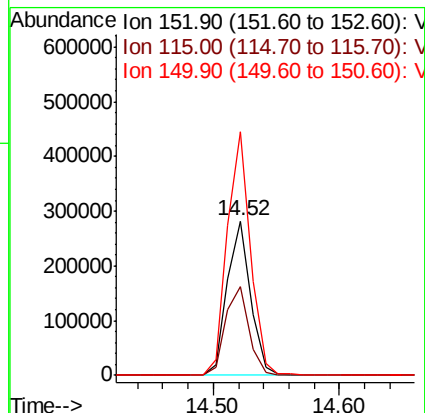
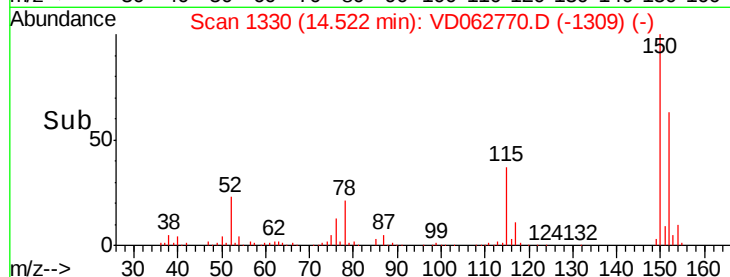
150 158.1 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.436 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062770.D

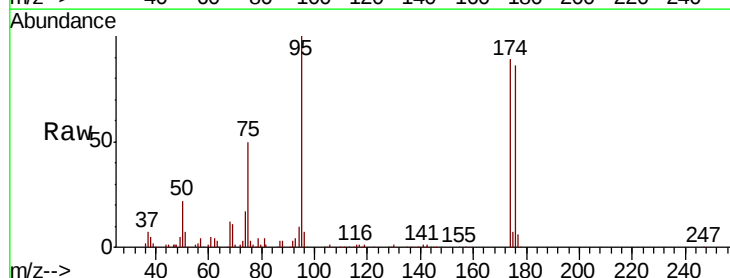
Acq: 19 Jun 2019 3:18

Tgt Ion: 75 Resp: 133593

Ion Ratio Lower Upper

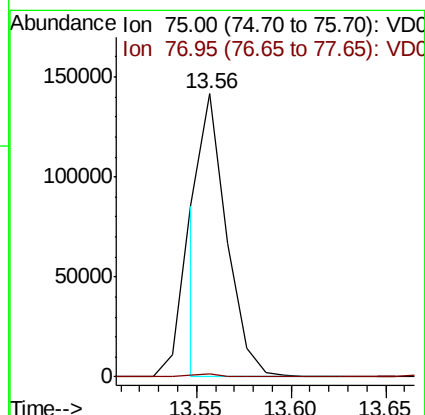
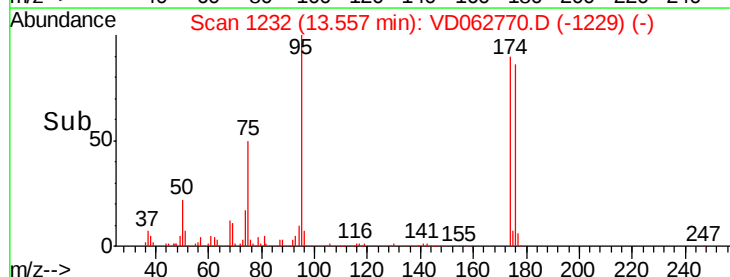
75 100

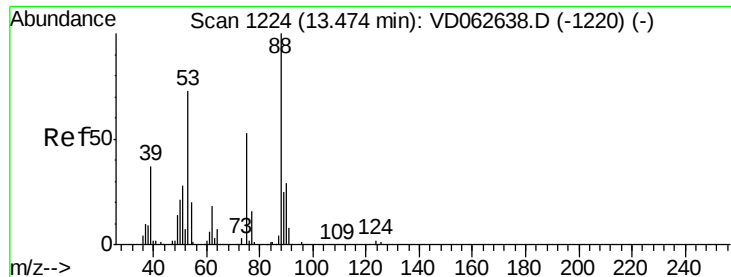
77 1.1 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 125.674 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

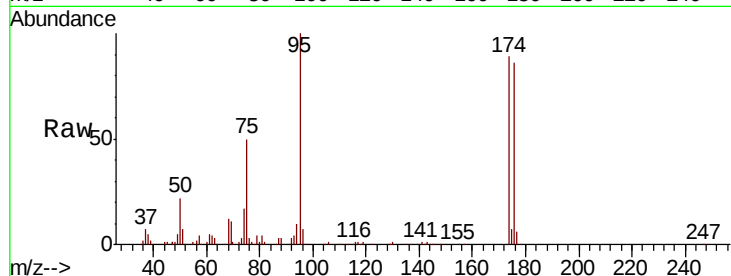
Tot Ion: 75 Resp: 190708

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

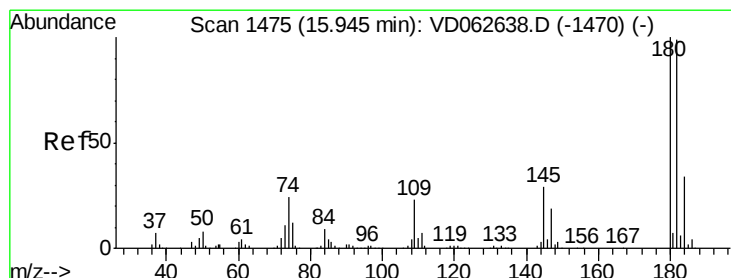
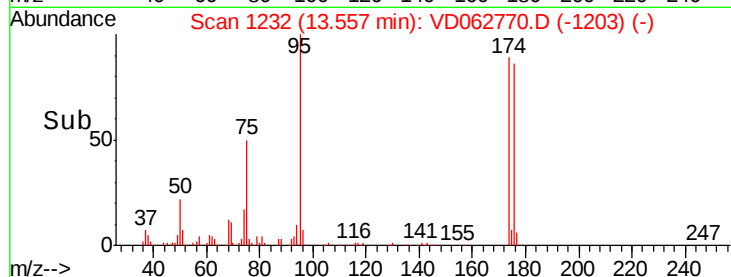
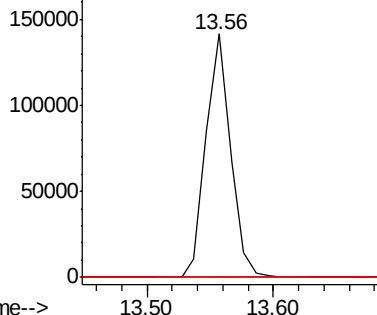
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.627 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VD062770.D

Acq: 19 Jun 2019 3:18

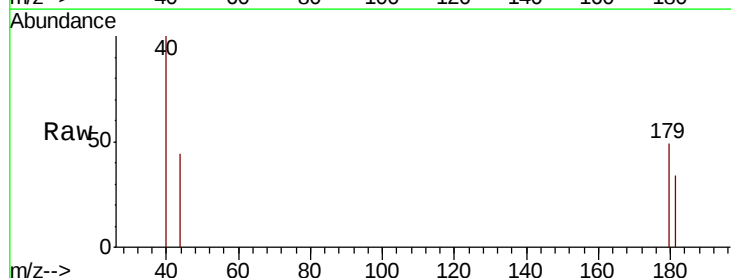
Tgt Ion: 180 Resp: 585

Ion Ratio Lower Upper

180 100

182 68.9 49.4 148.2

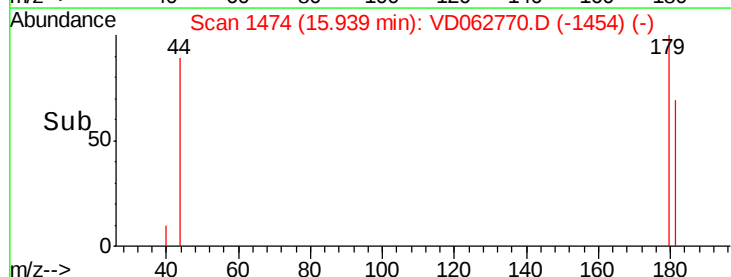
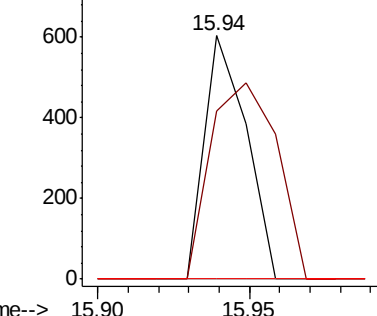
145 0.0 14.5 43.6#

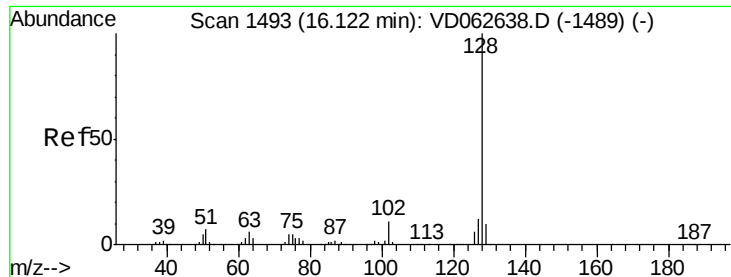


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

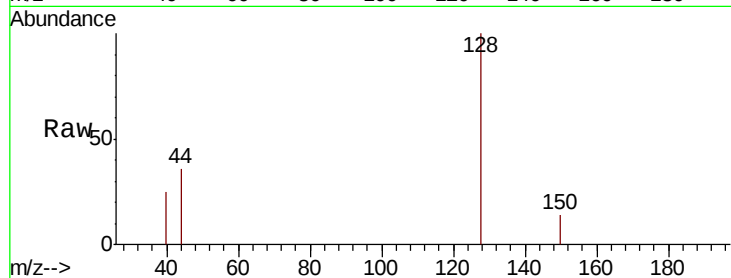




#95
 Naphthalene
 Concen: 3.608 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062770.D
 Acq: 19 Jun 2019 3:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.7	14.5#
129	0.0	8.1	12.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

