

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071219\
 Data File : VD063070.D
 Acq On : 12 Jul 2019 14:52
 Operator : VA/AP
 Sample : VD0712SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0712SBL01

Quant Time: Jul 12 15:32:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	895428	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1214576	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1081726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	594528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	480232	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	6.93	113	523538	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.43	98	1095496	49.15	ug/l	0.01
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	13.56	95	472927	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

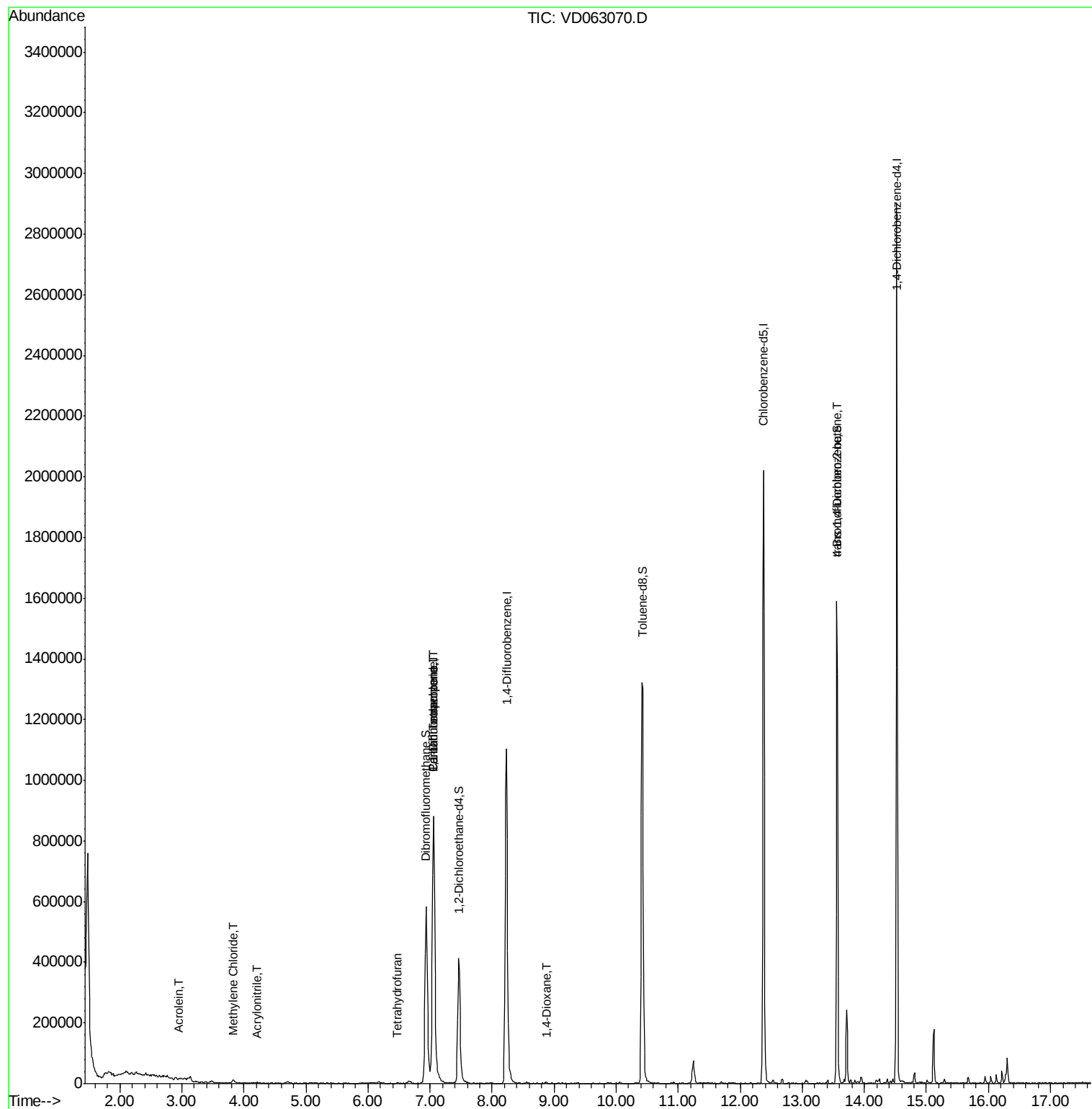
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.95	56	500	1.105	ug/l	96
15) Acrylonitrile	4.20	53	1487	1.428	ug/l #	48
16) Acetone	3.22	43	9232	Below Cal	#	89
20) Methylene Chloride	3.82	84	7733	1.042	ug/l #	77
29) Tetrahydrofuran	6.47	42	884	1.026	ug/l #	51
36) 1,1-Dichloropropene	7.05	75	67952	5.910	ug/l #	55
37) Ethyl Acetate	6.20	43	879	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	93912	5.431	ug/l #	16
49) 1,4-Dioxane	8.89	88	235	6.594	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	213787	118.850	ug/l #	2

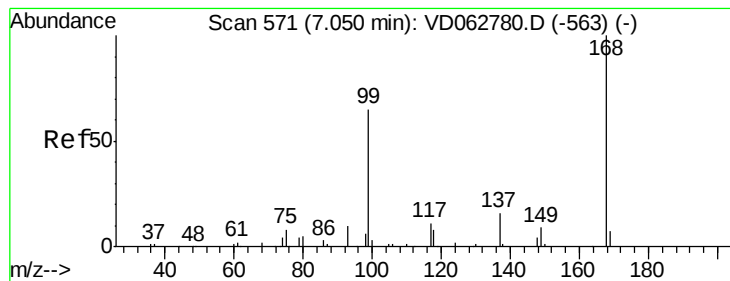
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD071219\
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Quant Time: Jul 12 15:32:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_D

ClientSampleId :

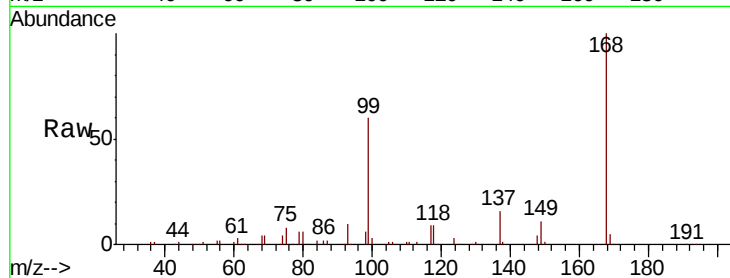
VD0712SBL01

Tgt Ion:168 Resp: 895428

Ion Ratio Lower Upper

168 100

99 60.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

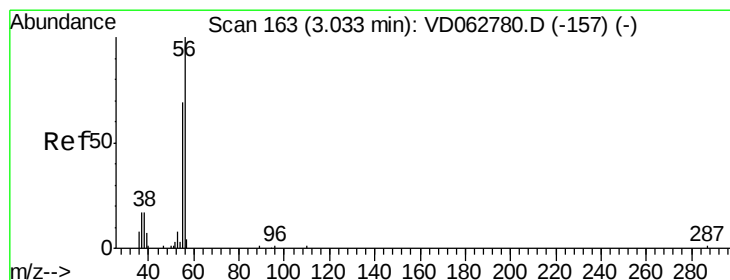
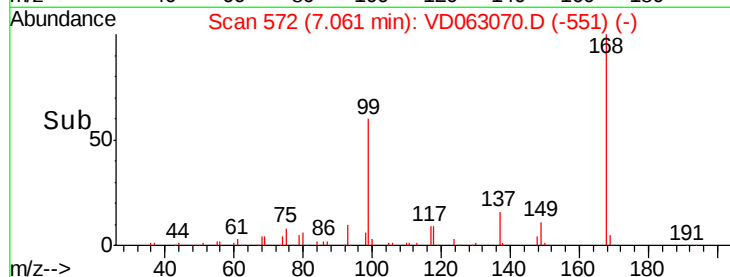
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.105 ug/l

RT: 2.95 min Scan# 154

Delta R.T. -0.09 min

Lab File: VD063070.D

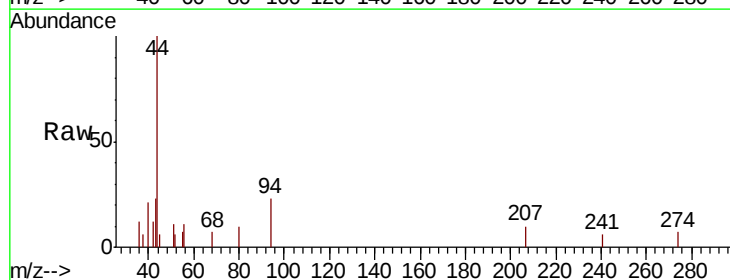
Acq: 12 Jul 2019 14:52

Tgt Ion: 56 Resp: 500

Ion Ratio Lower Upper

56 100

55 65.8 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

1200

1000

800

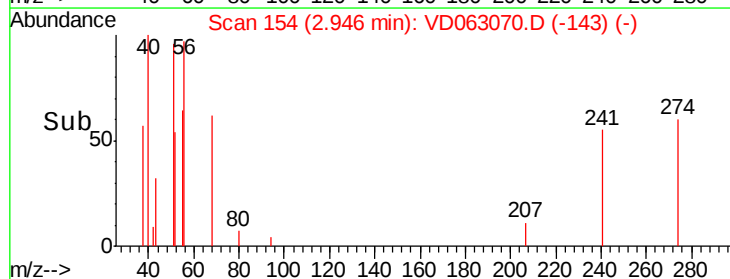
600

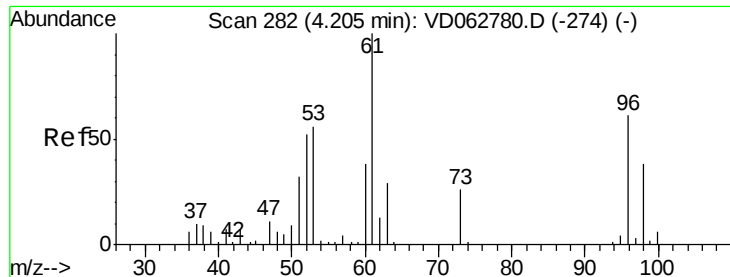
400

200

0

Time-->





#15

Acrylonitrile

Concen: 1.428 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBL01

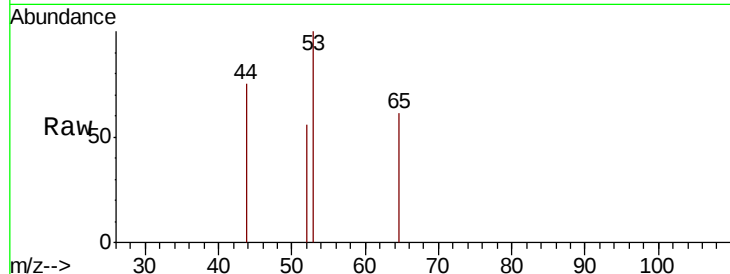
Tgt Ion: 53 Resp: 1487

Ion Ratio Lower Upper

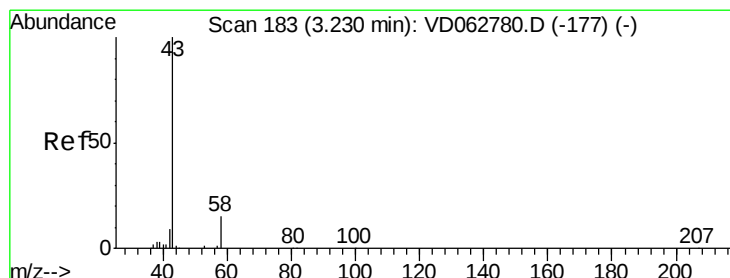
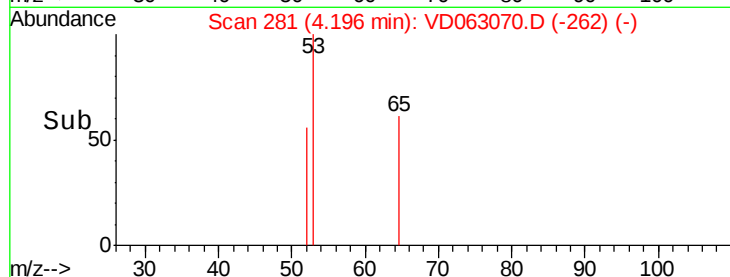
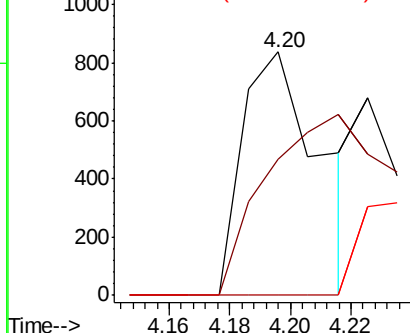
53 100

52 56.0 73.3 109.9#

51 0.0 44.8 67.2#



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



#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063070.D

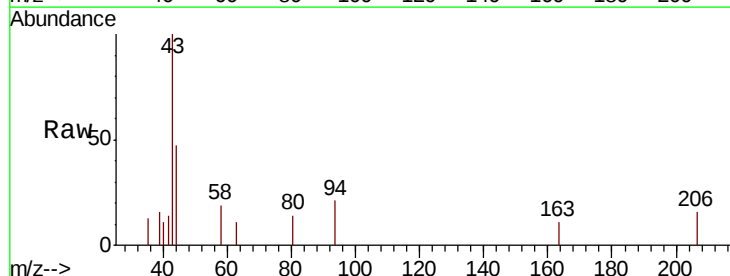
Acq: 12 Jul 2019 14:52

Tgt Ion: 43 Resp: 9232

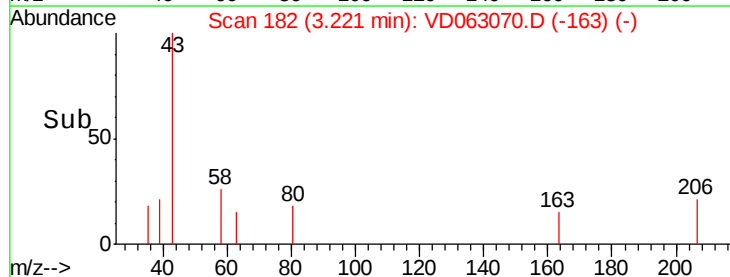
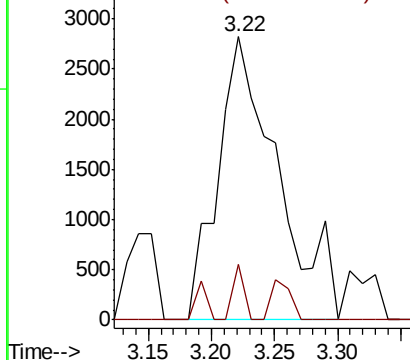
Ion Ratio Lower Upper

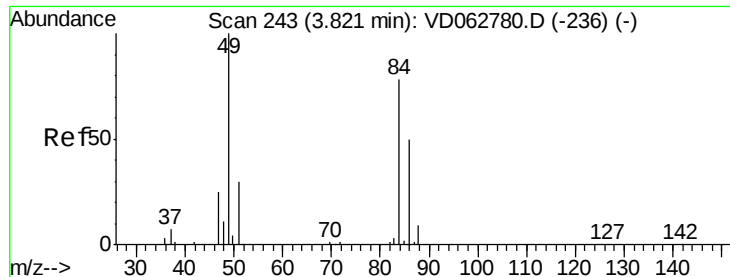
43 100

58 19.4 11.9 17.9#



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

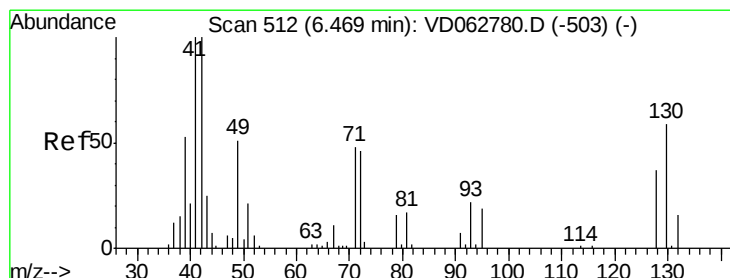
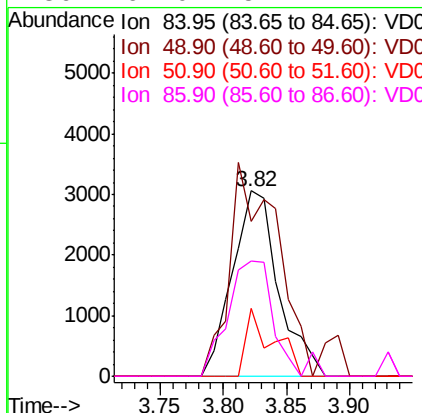
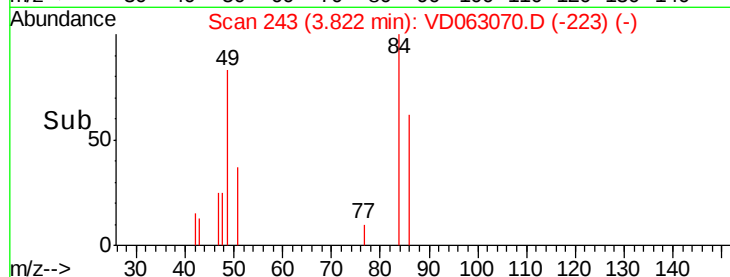
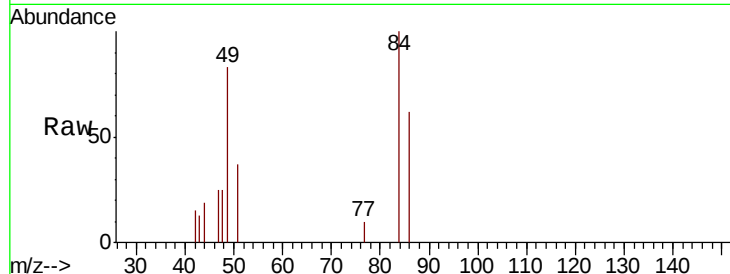




#20
Methylene Chloride
Concen: 1.042 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD063070.D
Acq: 12 Jul 2019 14:52

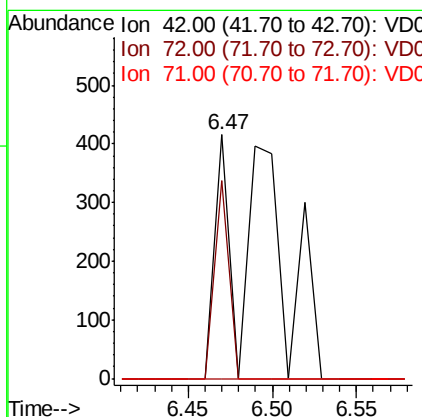
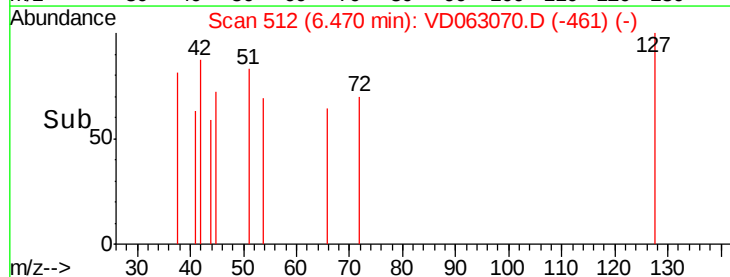
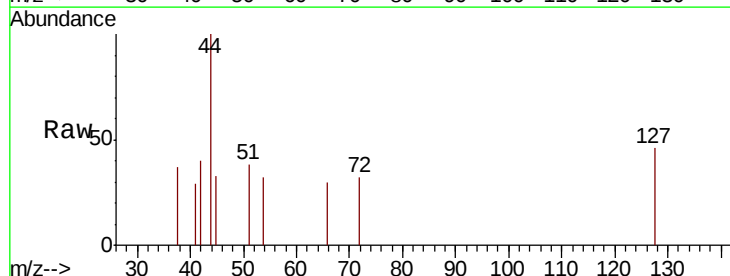
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBL01

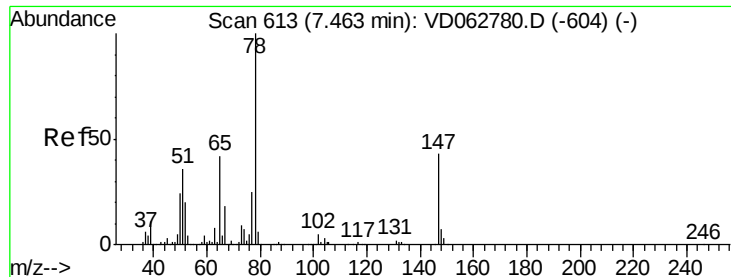
Tgt Ion: 84 Resp: 7733
Ion Ratio Lower Upper
84 100
49 83.5 102.9 154.3#
51 37.0 31.2 46.8
86 62.0 51.4 77.2



#29
Tetrahydrofuran
Concen: 1.026 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD063070.D
Acq: 12 Jul 2019 14:52

Tgt Ion: 42 Resp: 884
Ion Ratio Lower Upper
42 100
72 22.5 35.0 52.6#
71 0.0 33.3 49.9#





#33

1,2-Dichloroethane-d4

Concen: 49.340 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_D

ClientSampleId :

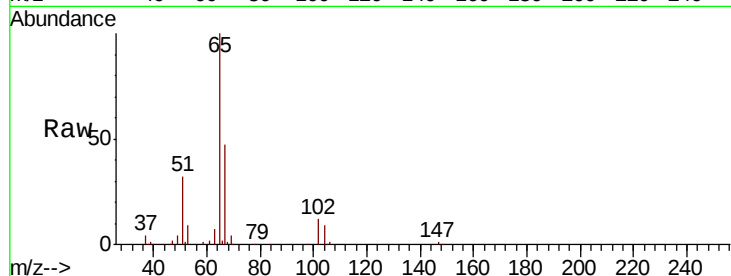
VD0712SBL01

Tgt Ion: 65 Resp: 480232

Ion Ratio Lower Upper

65 100

67 47.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

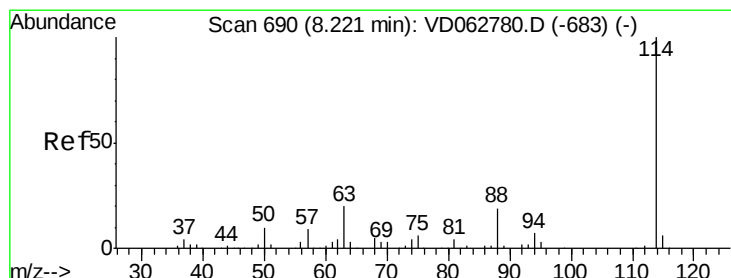
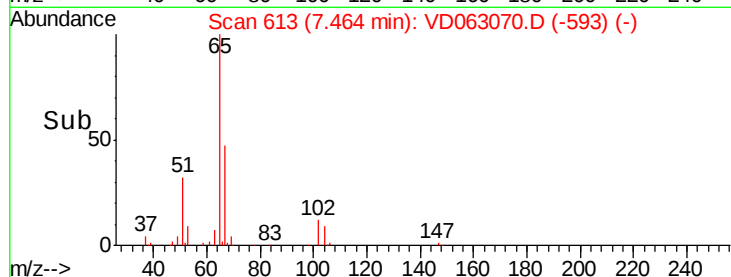
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

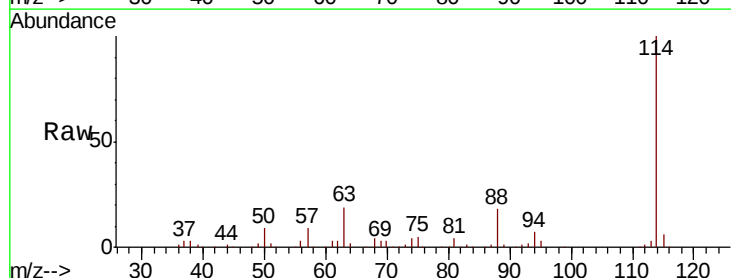
Tgt Ion: 114 Resp: 1214576

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 18.2 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

600000

500000

400000

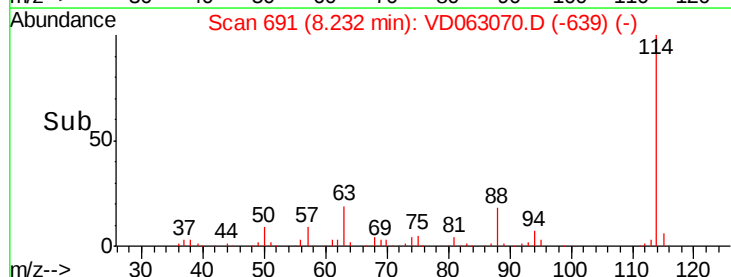
300000

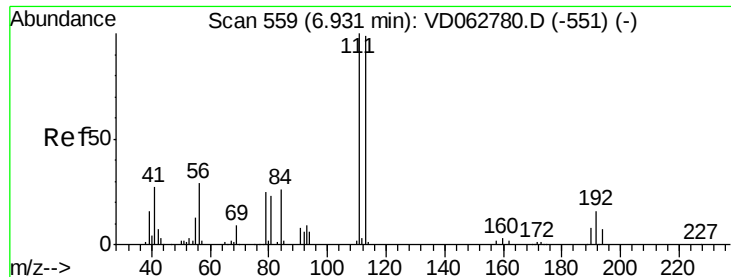
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 51.120 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBL01

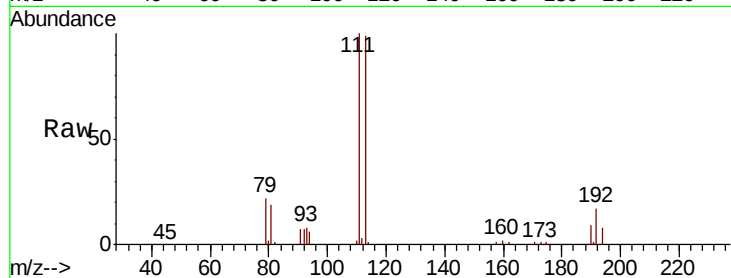
Tgt Ion:113 Resp: 523538

Ion Ratio Lower Upper

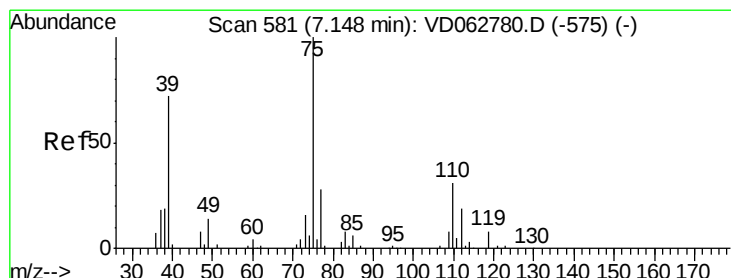
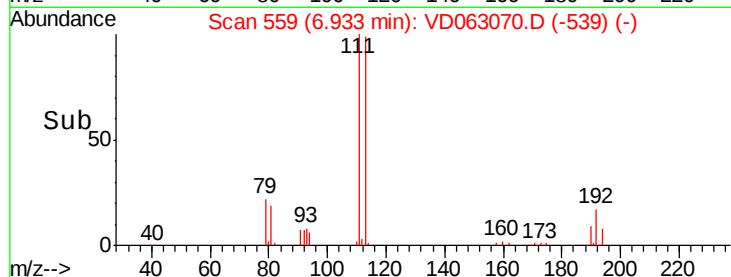
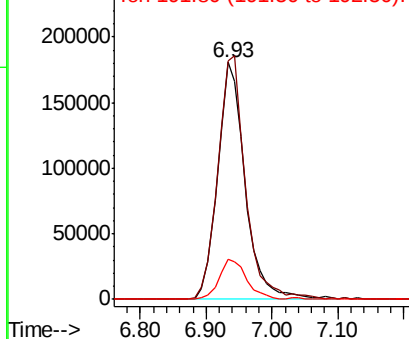
113 100

111 100.7 81.2 121.8

192 16.8 12.9 19.3



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: 5.910 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

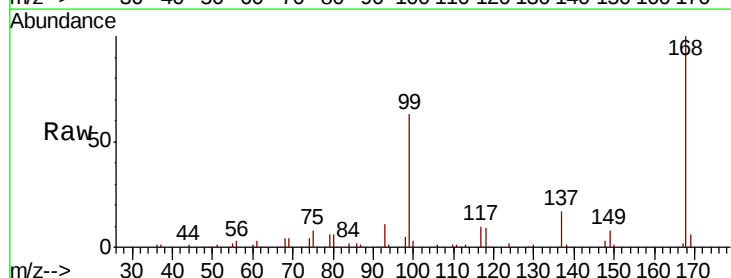
Tgt Ion: 75 Resp: 67952

Ion Ratio Lower Upper

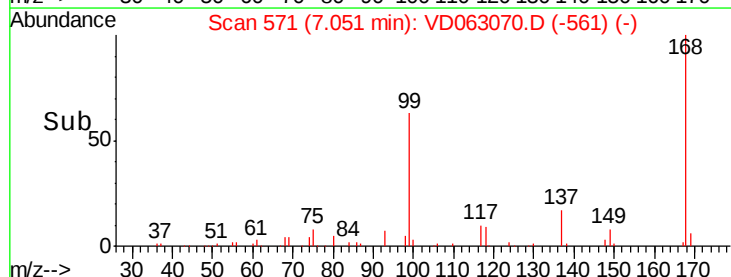
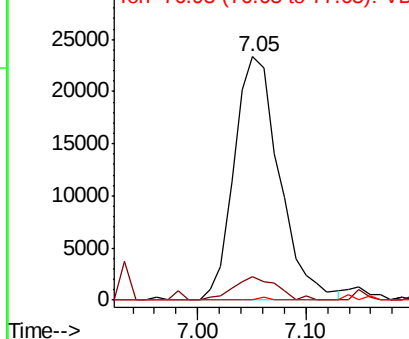
75 100

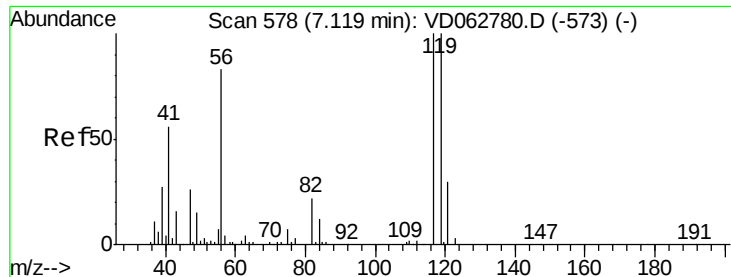
110 9.4 15.0 45.1#

77 0.0 22.2 33.2#



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





#38

Carbon Tetrachloride

Concen: 5.431 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBL01

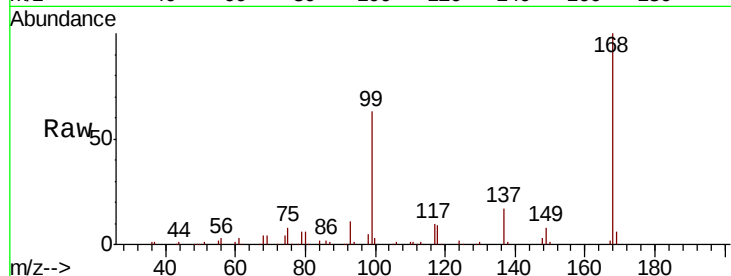
Tgt Ion:117 Resp: 93912

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.2#

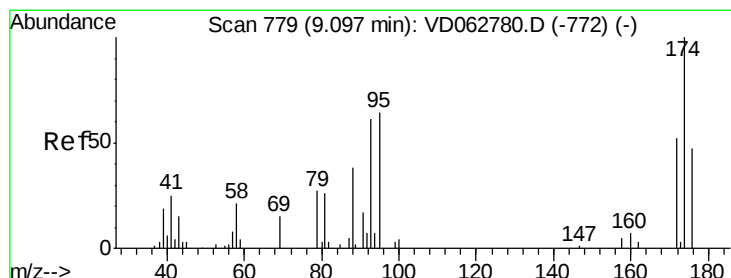
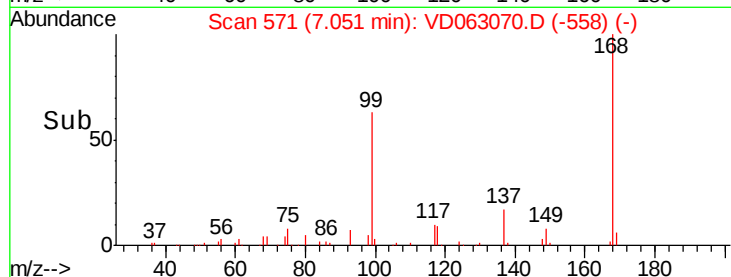
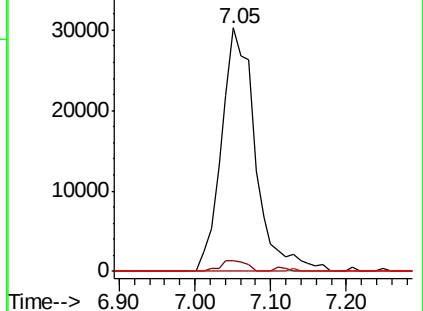
121 0.0 22.3 33.5#



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: 6.594 ug/l

RT: 8.89 min Scan# 758

Delta R.T. -0.21 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

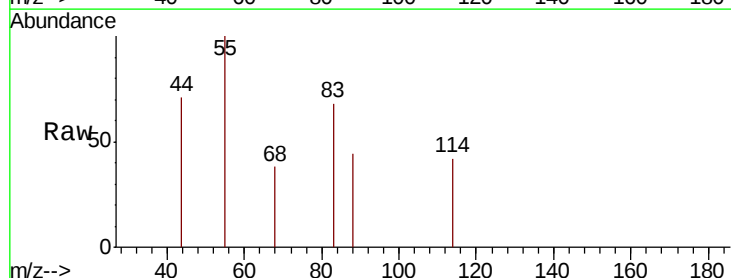
Tgt Ion: 88 Resp: 235

Ion Ratio Lower Upper

88 100

43 159.4 32.1 48.1#

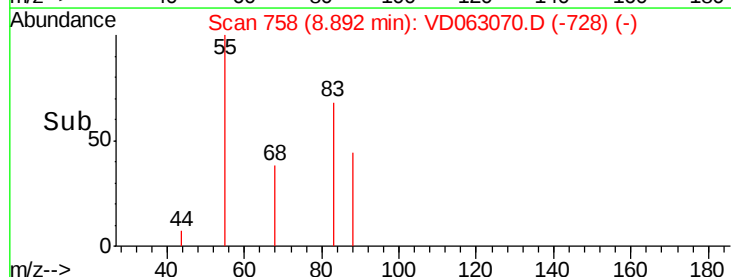
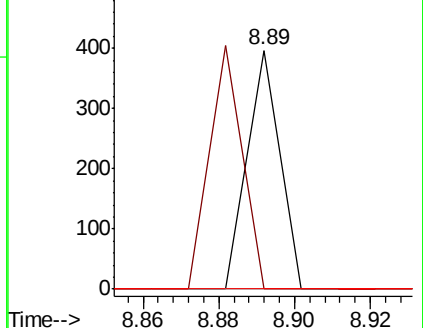
58 0.0 44.1 66.1#

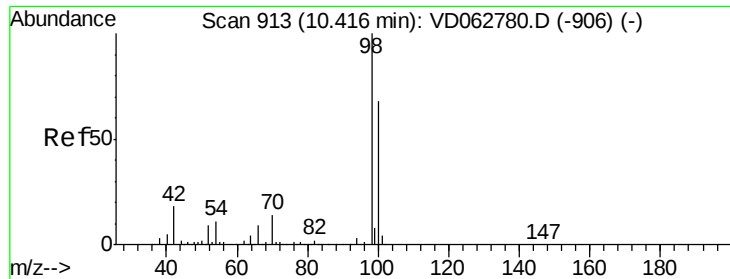


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

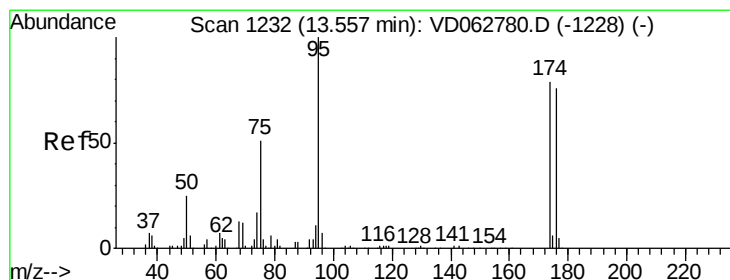
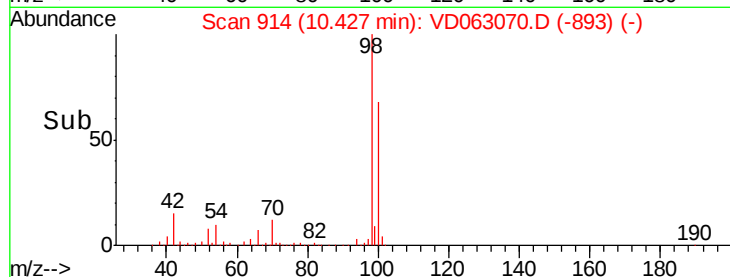
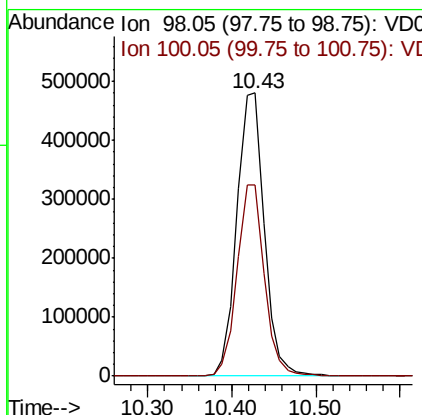
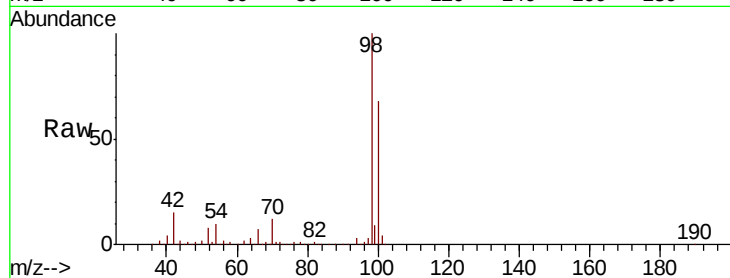




#50
Toluene-d8
Concen: 49.148 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063070.D
Acq: 12 Jul 2019 14:52

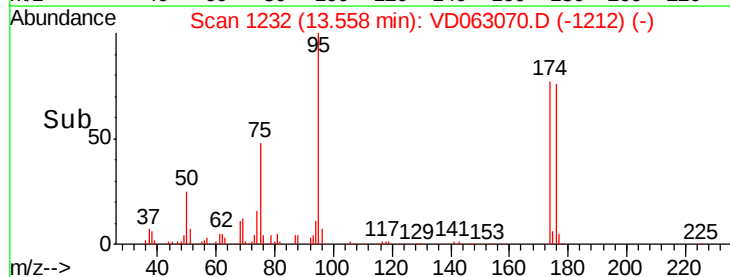
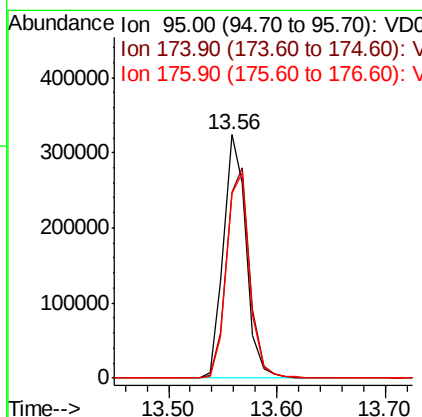
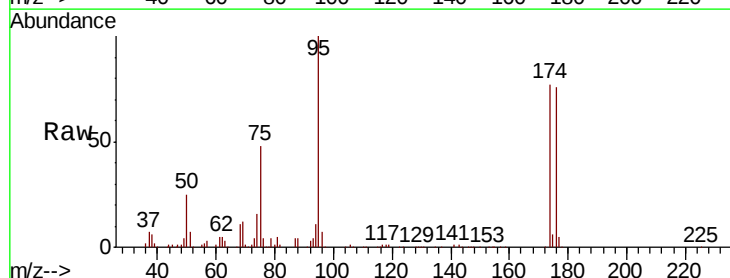
Instrument :
MSVOA_D
ClientSampleId :
VD0712SBL01

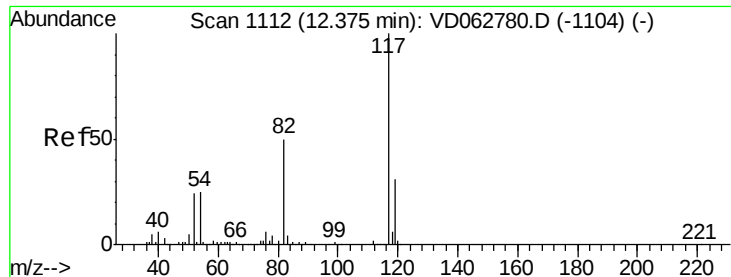
Tgt Ion: 98 Resp: 1095496
Ion Ratio Lower Upper
98 100
100 67.7 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 46.661 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063070.D
Acq: 12 Jul 2019 14:52

Tgt Ion: 95 Resp: 472927
Ion Ratio Lower Upper
95 100
174 76.5 0.0 158.0
176 75.8 0.0 151.6

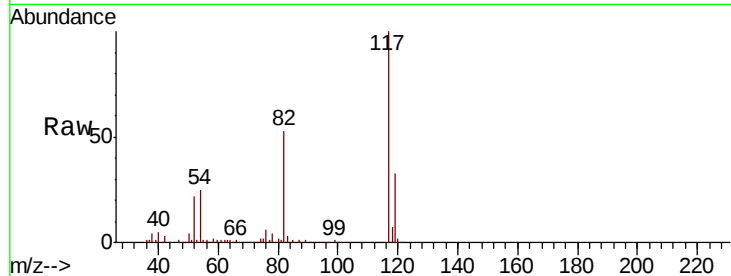




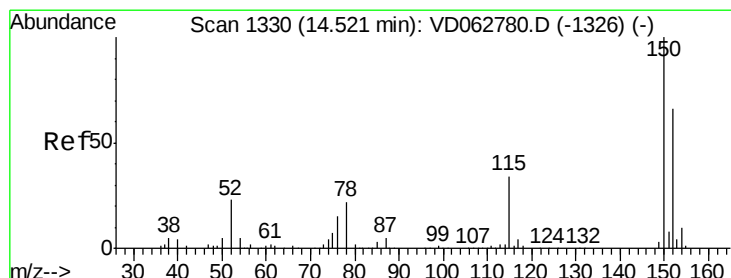
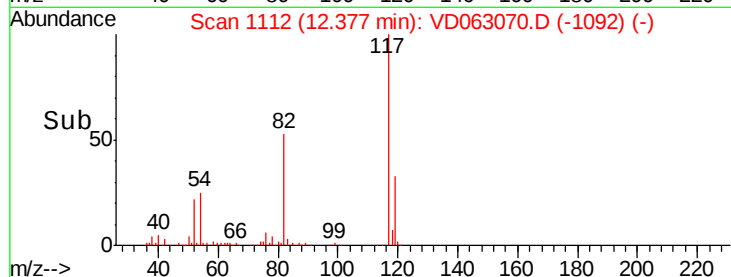
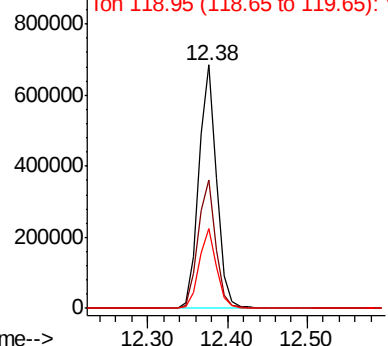
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD063070.D
Acq: 12 Jul 2019 14:52

Instrument :
MSVOA_D
ClientSampleId :
VD0712SBL01

Tgt Ion:117 Resp: 1081726
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 32.6 25.2 37.8

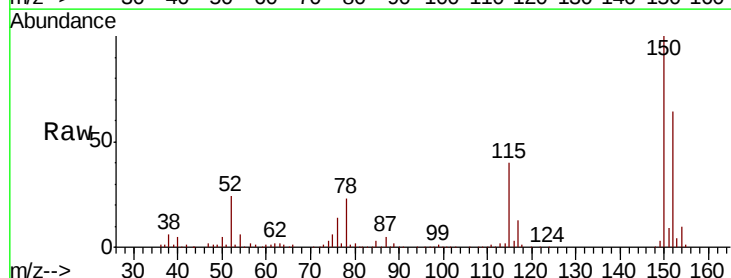


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

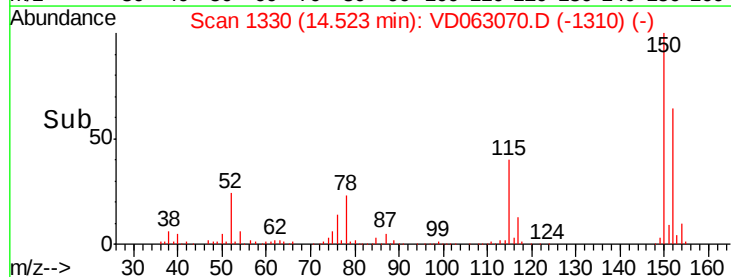
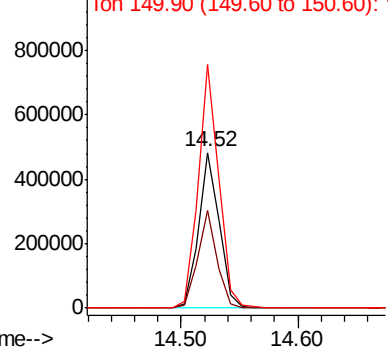


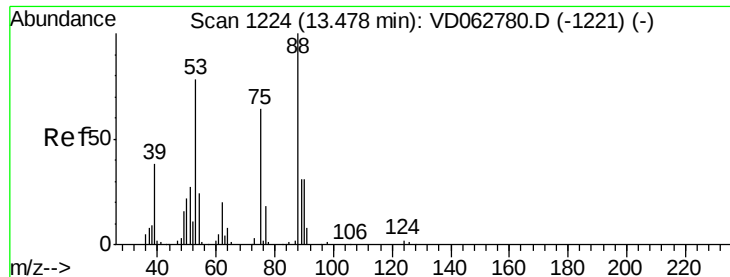
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063070.D
Acq: 12 Jul 2019 14:52

Tgt Ion:152 Resp: 594528
Ion Ratio Lower Upper
152 100
115 62.9 29.2 87.6
150 156.5 0.0 305.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 118.850 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063070.D

Acq: 12 Jul 2019 14:52

Instrument :

MSVOA_D

ClientSampleId :

VD0712SBL01

Tgt Ion: 75 Resp: 213787

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

