

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067756.D
 Acq On : 23 Nov 2020 20:00
 Operator : VA/SY
 Sample : L4874-01
 Misc : 5.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11933

Quant Time: Nov 24 00:57:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	257357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	409259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126732	50.65	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.30%		
35) Dibromofluoromethane	7.92	113	126667	48.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.26%		
50) Toluene-d8	10.34	98	496543	52.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.30%		
62) 4-Bromofluorobenzene	12.64	95	228630	70.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	140.48%		

Target Compounds

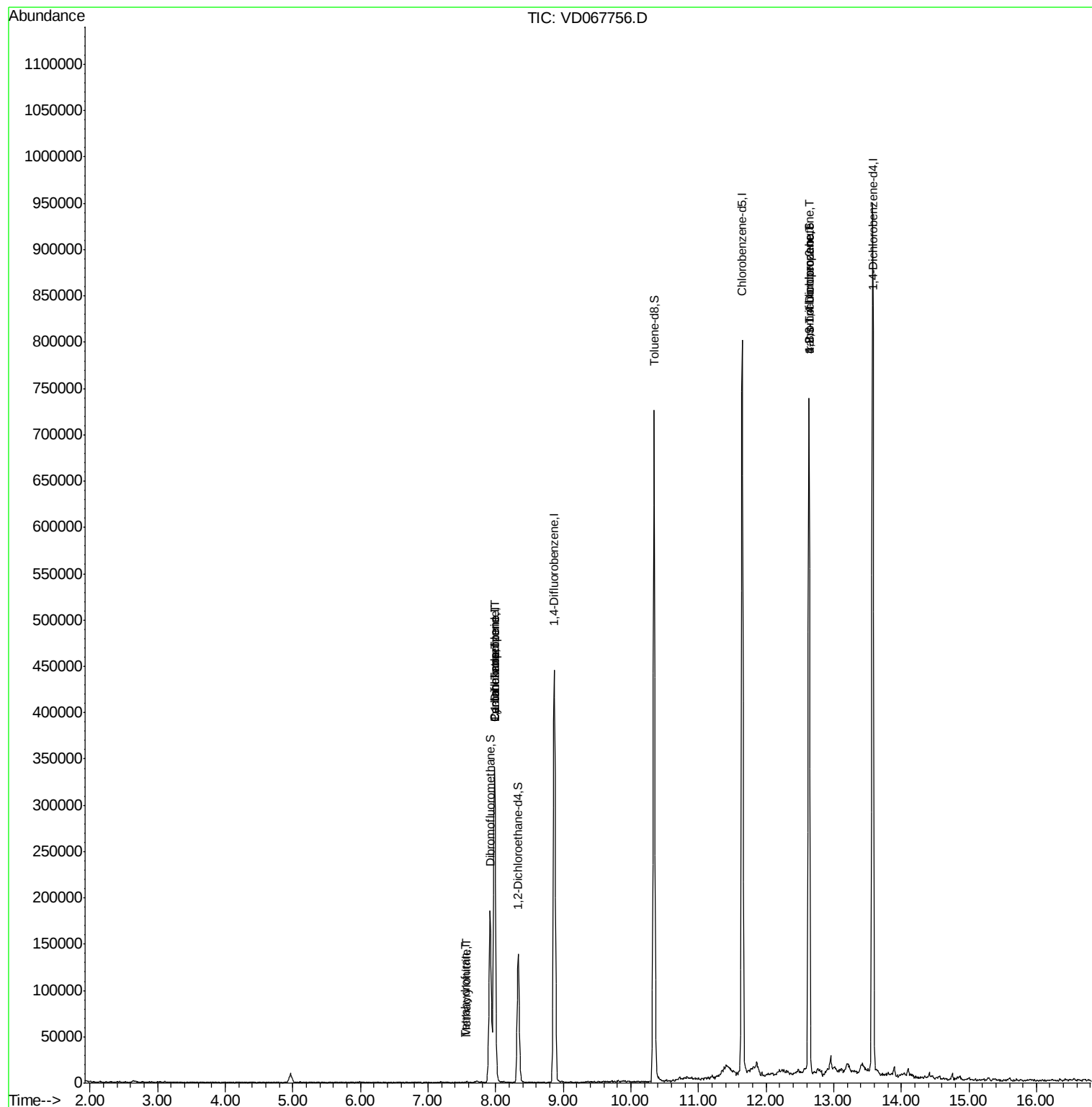
					Qvalue	
20) Methylene Chloride	4.96	84	7895	Below Cal	#	91
29) Tetrahydrofuran	7.56	42	893	4.330	ug/l #	36
31) Cyclohexane	7.98	56	4861	1.605	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	17452	4.969	ug/l #	50
38) Carbon Tetrachloride	7.98	117	26284	5.163	ug/l #	15
41) Methacrylonitrile	7.56	41	484	1.004	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	121243	66.692	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121243	155.987	ug/l #	11

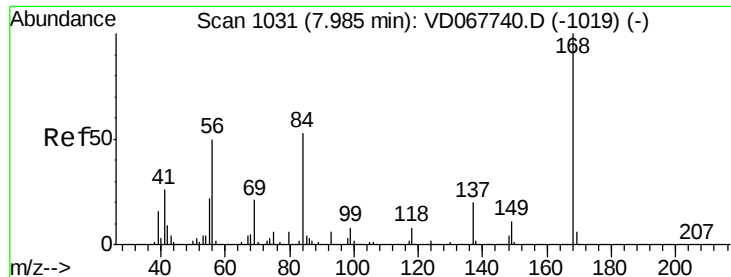
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
Data File : VD067756.D
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Quant Time: Nov 24 00:57:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

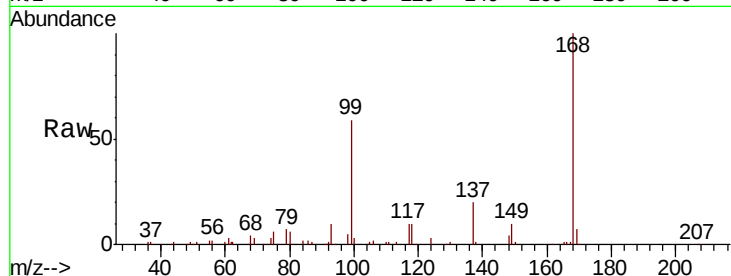
72-11933

Tot Ion:168 Resp: 257357

Ion Ratio Lower Upper

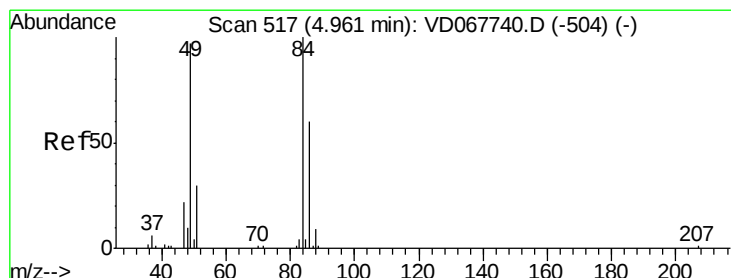
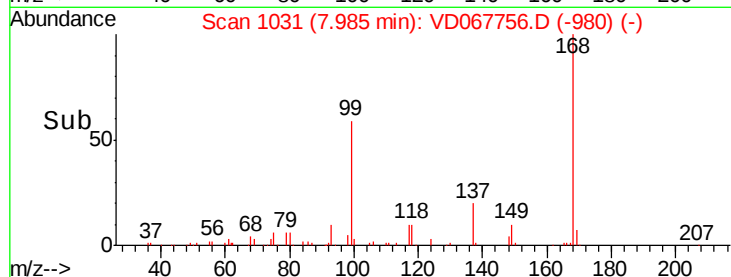
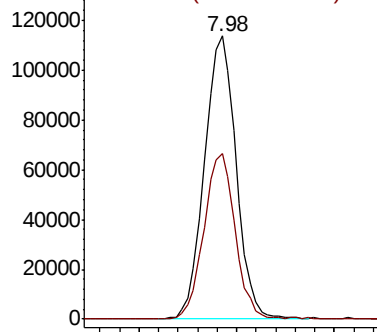
168 100

99 58.6 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Tgt Ion: 84 Resp: 7895

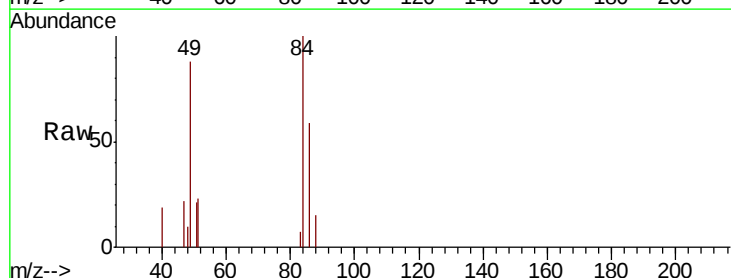
Ion Ratio Lower Upper

84 100

49 87.7 77.4 116.2

51 44.2 24.1 36.1#

86 58.9 48.2 72.2

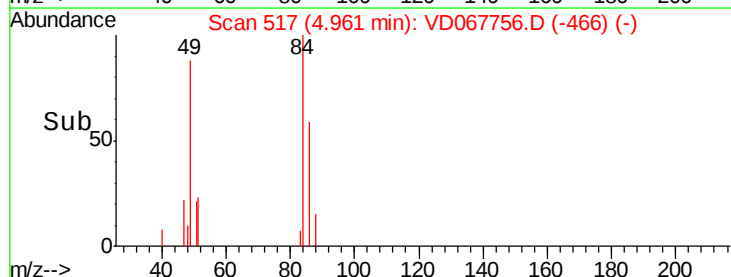
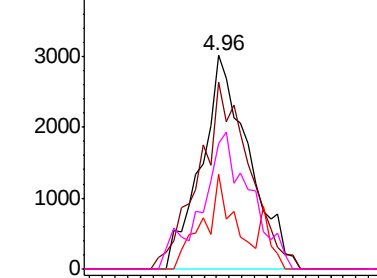


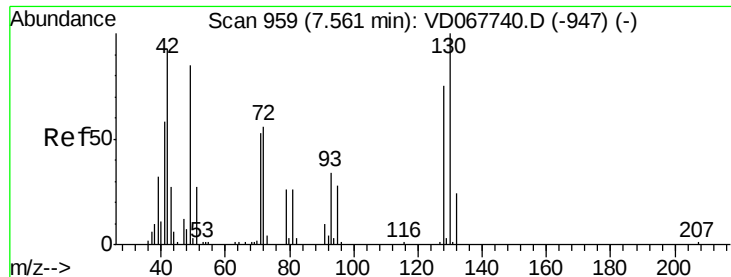
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

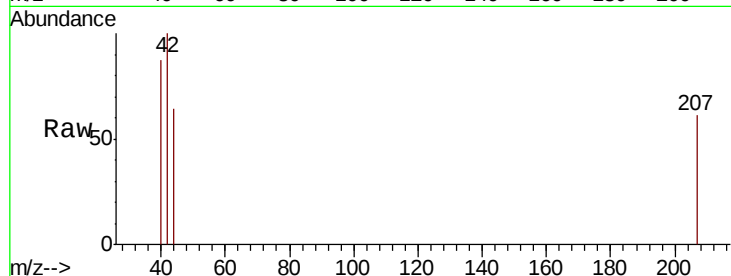




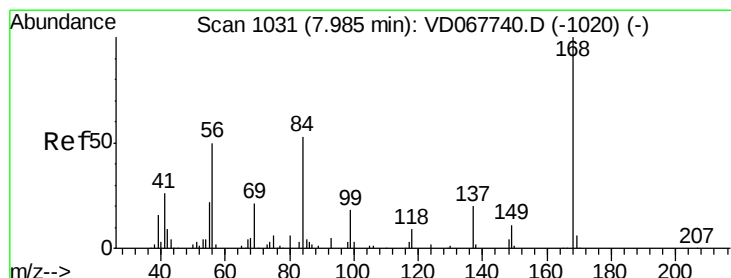
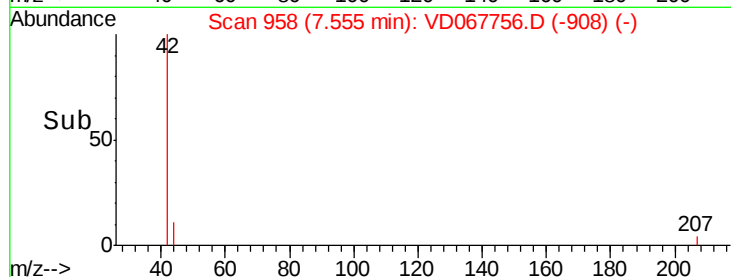
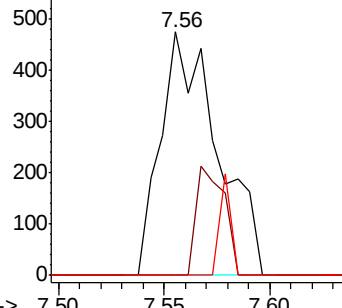
#29
Tetrahydrofuran
Concen: 4.330 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067756.D
Acq: 23 Nov 2020 20:00

Instrument :
MSVOA_D
ClientSampleId :
72-11933

Tot Ion: 42 Resp: 893
Ion Ratio Lower Upper
42 100
72 21.9 49.3 73.9#
71 0.0 45.9 68.9#

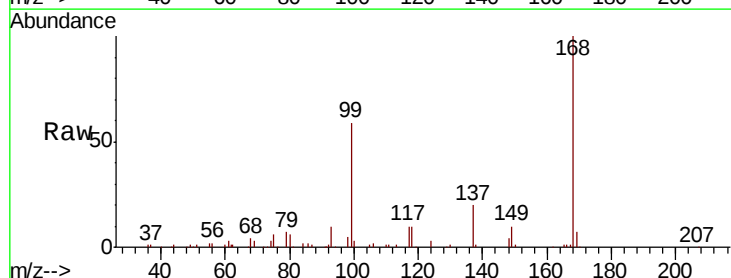


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

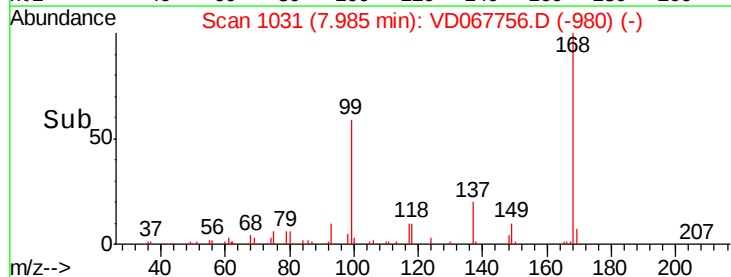
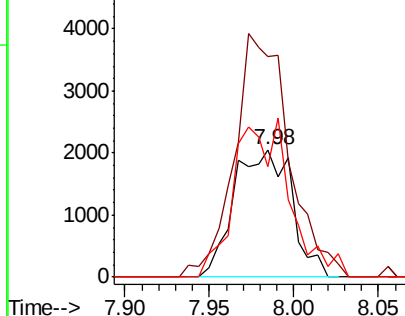


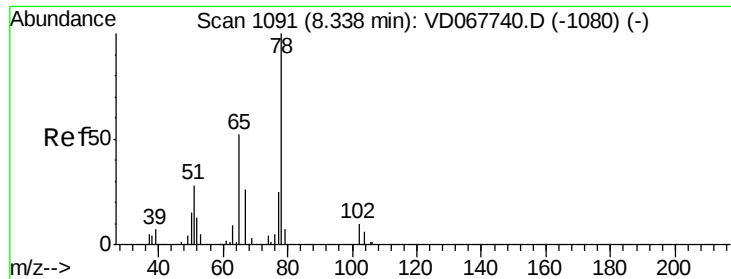
#31
Cyclohexane
Concen: 1.605 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067756.D
Acq: 23 Nov 2020 20:00

Tgt Ion: 56 Resp: 4861
Ion Ratio Lower Upper
56 100
69 163.6 33.2 49.8#
84 87.2 84.8 127.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.646 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

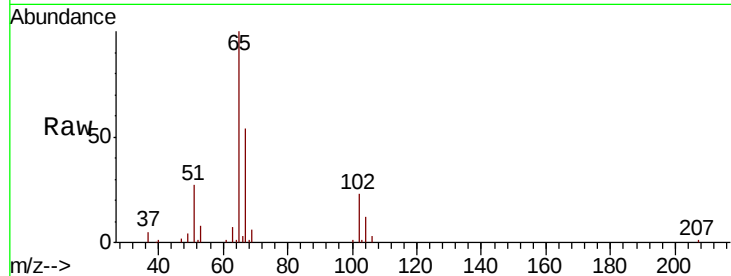
72-11933

Tot Ion: 65 Resp: 126732

Ion Ratio Lower Upper

65 100

67 48.5 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

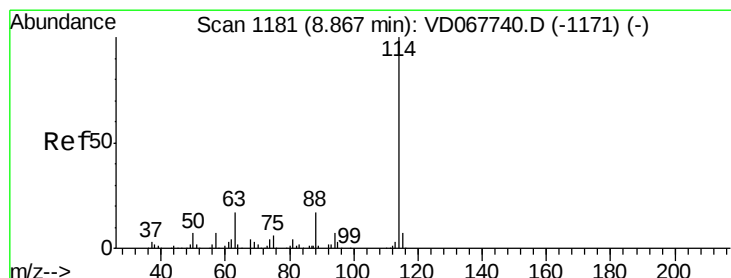
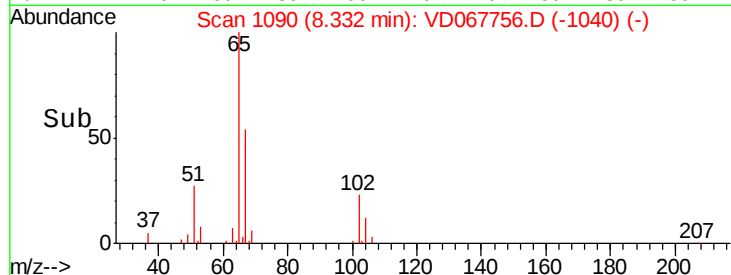
30000

20000

10000

0

Time--> 8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

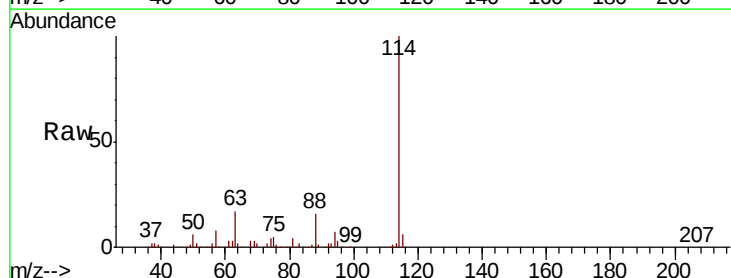
Tgt Ion: 114 Resp: 409259

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.8

88 15.5 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

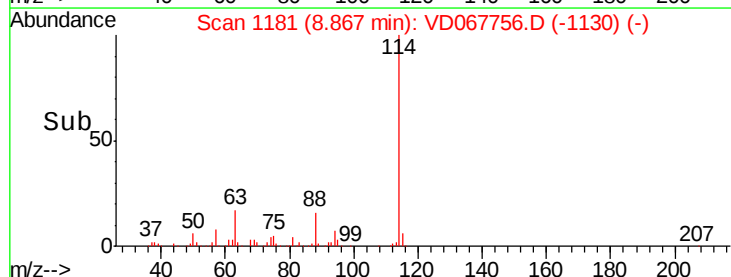
150000

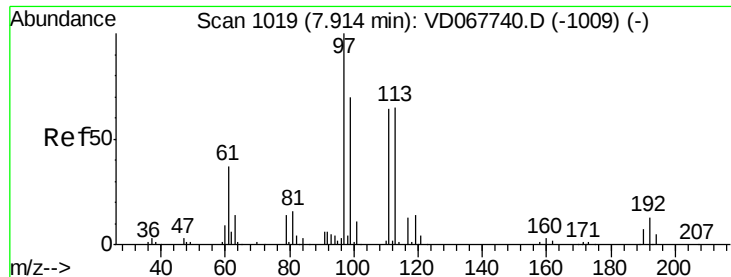
100000

50000

0

Time--> 8.80 8.90 9.00

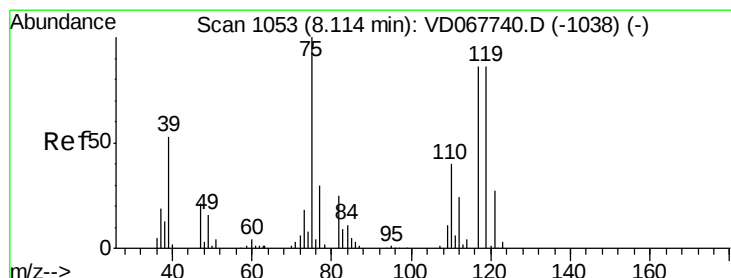
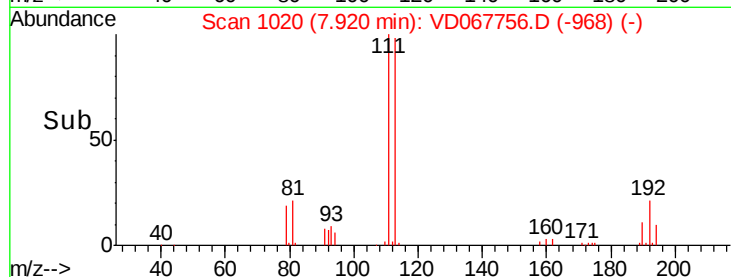
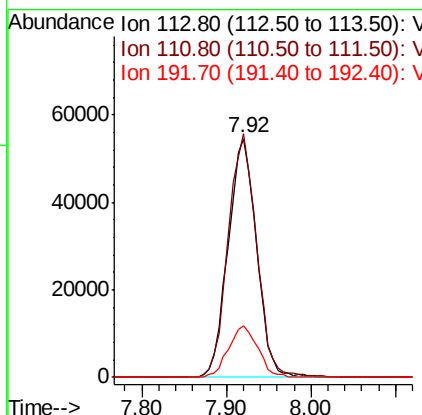
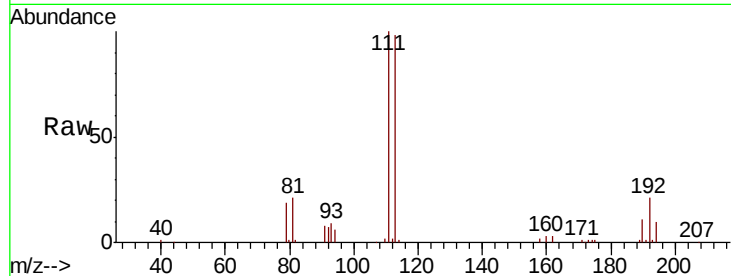




#35
Dibromofluoromethane
Concen: 48.634 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067756.D
Acq: 23 Nov 2020 20:00

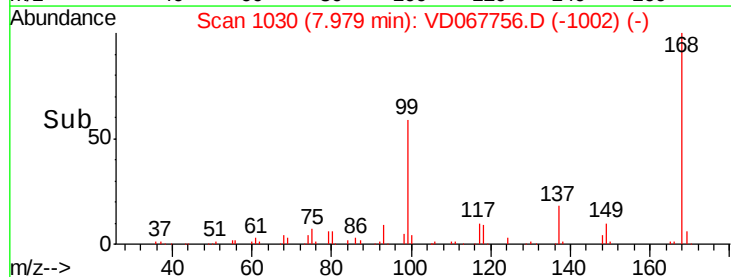
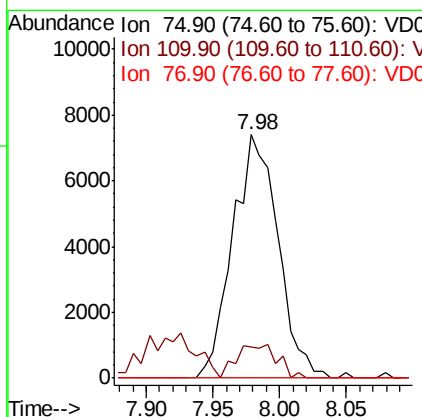
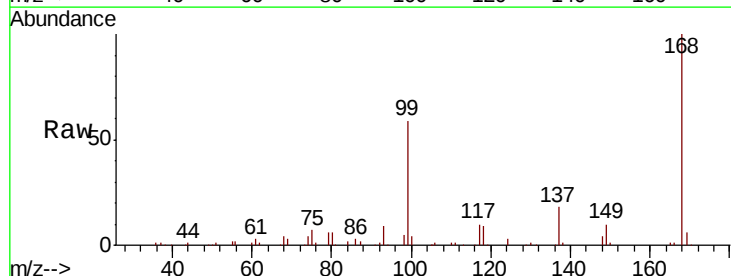
Instrument :
MSVOA_D
ClientSampleId :
72-11933

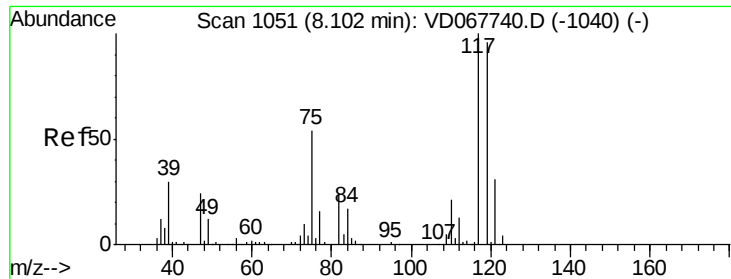
Tot Ion:113 Resp: 126667
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 22.1 17.0 25.4



#36
1,1-Dichloropropene
Concen: 4.969 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067756.D
Acq: 23 Nov 2020 20:00

Tgt Ion: 75 Resp: 17452
Ion Ratio Lower Upper
75 100
110 12.4 20.1 60.2#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.163 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

72-11933

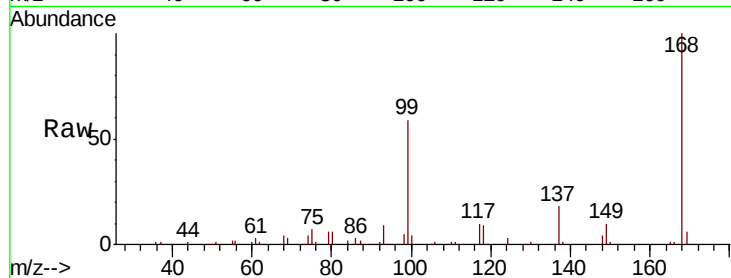
Tot Ion:117 Resp: 26284

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

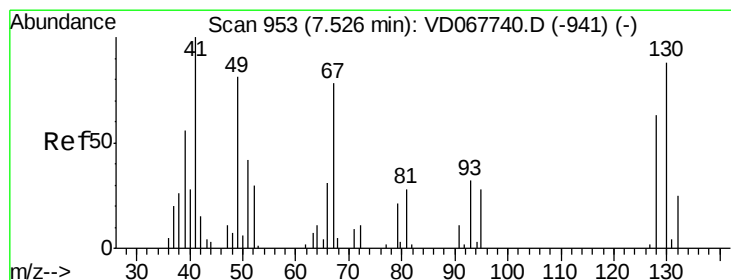
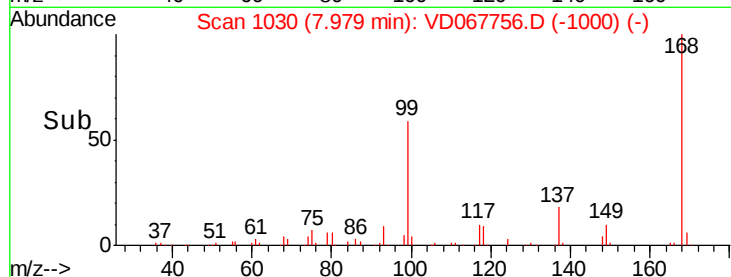
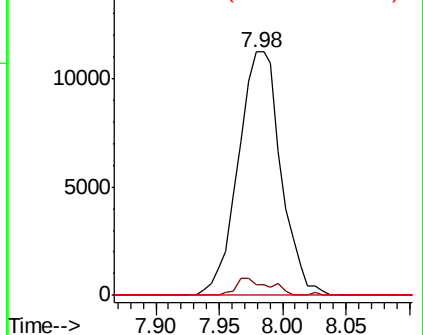
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.004 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Tgt Ion: 41 Resp: 484

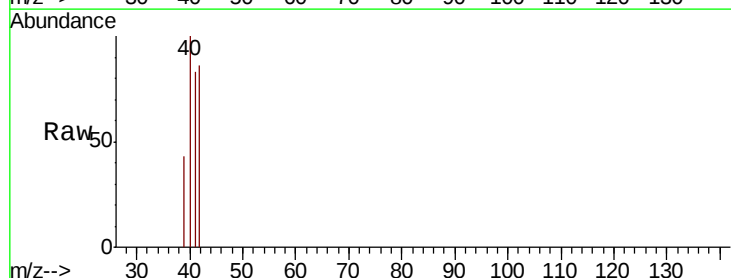
Ion Ratio Lower Upper

41 100

39 13.0 50.2 75.4#

67 0.0 79.0 118.6#

52 0.0 32.4 48.6#

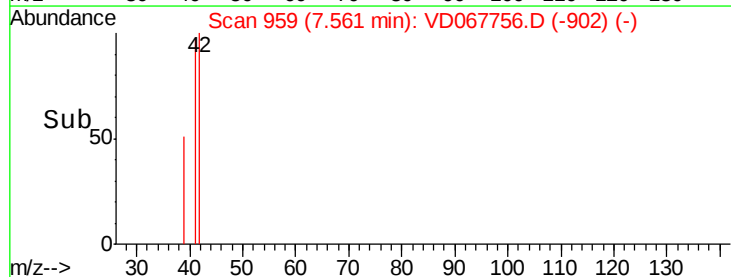
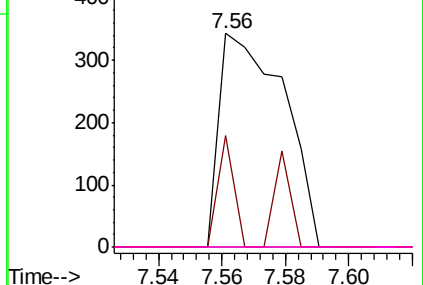


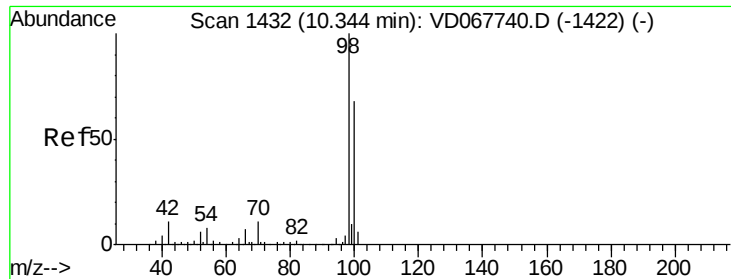
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 52.145 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

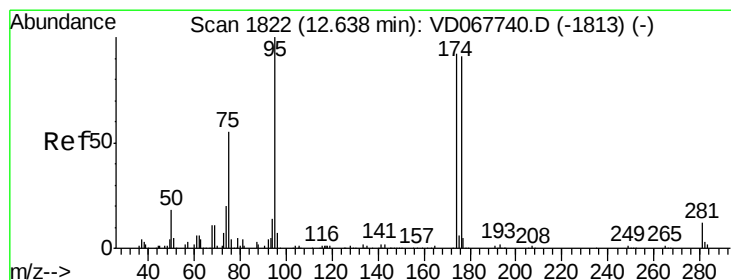
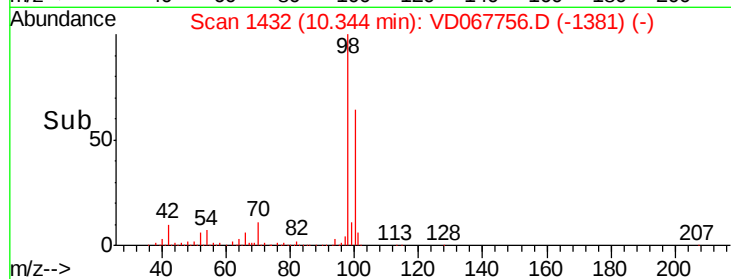
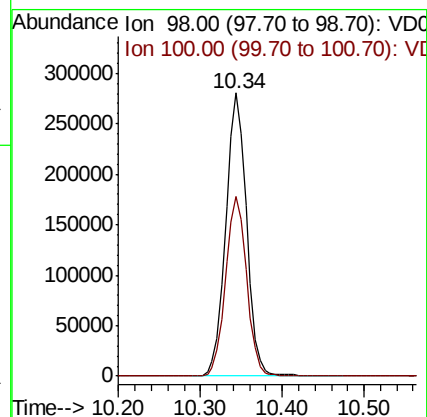
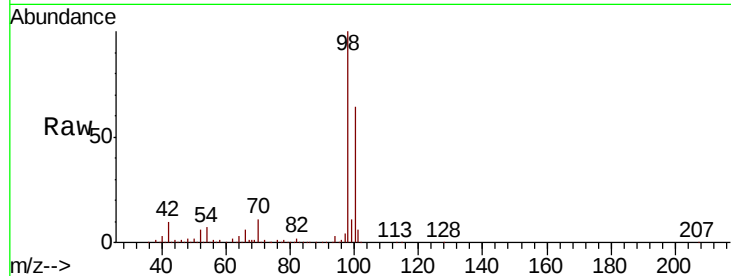
72-11933

Tot Ion: 98 Resp: 496543

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 70.245 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

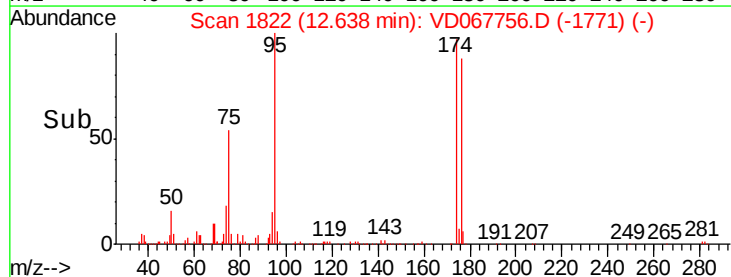
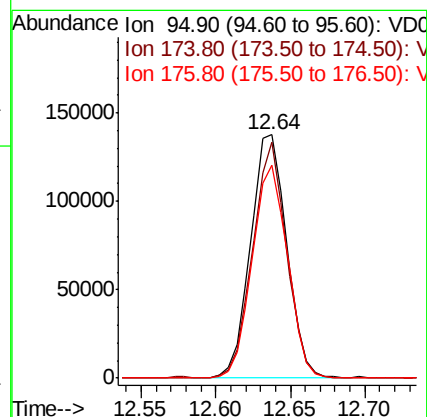
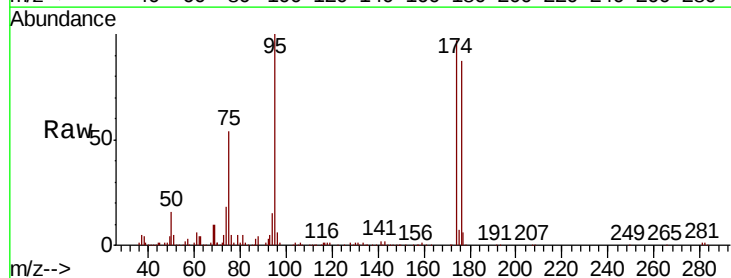
Tgt Ion: 95 Resp: 228630

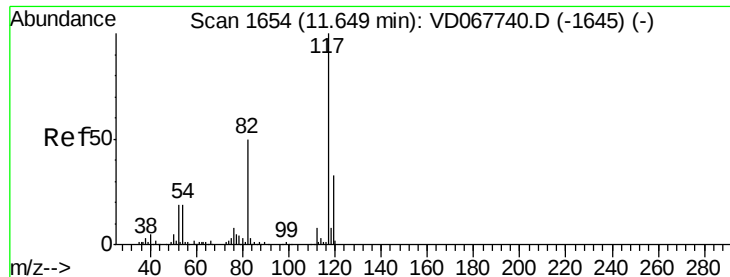
Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.4

176 86.2 0.0 178.2

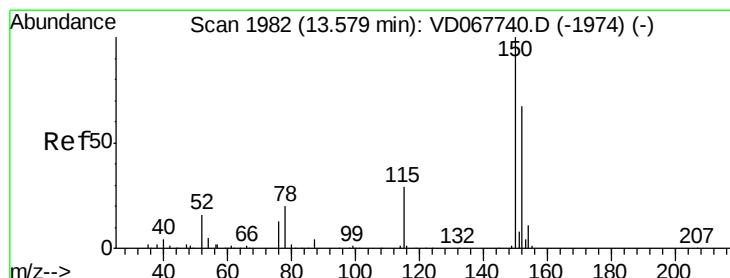
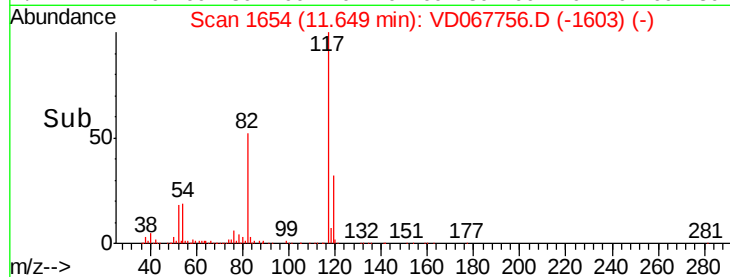
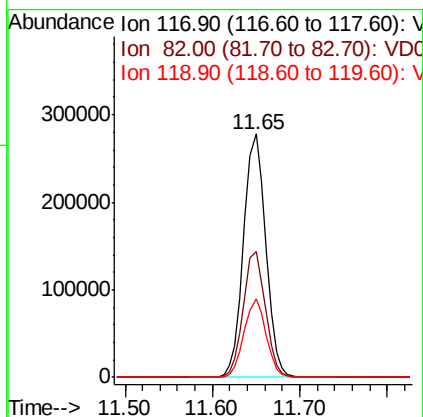
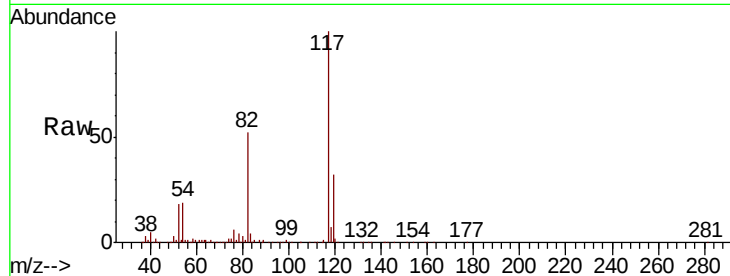




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067756.D
Acq: 23 Nov 2020 20:00

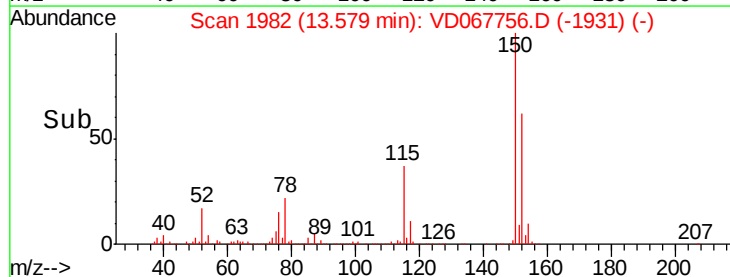
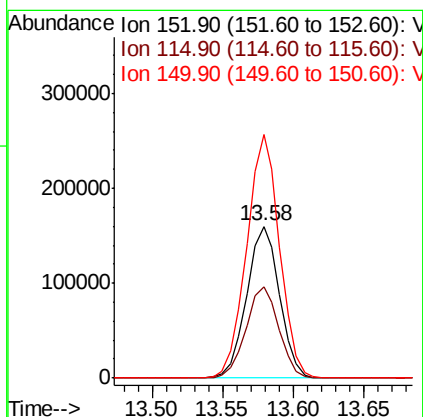
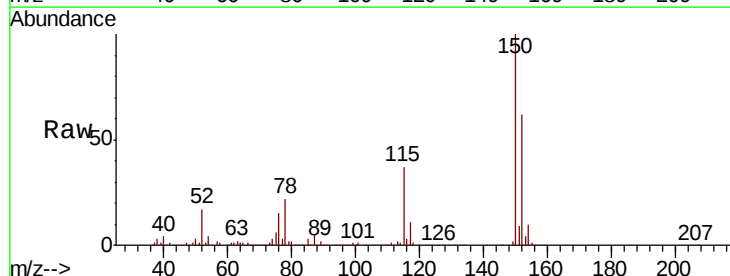
Instrument :
MSVOA_D
ClientSampleId :
72-11933

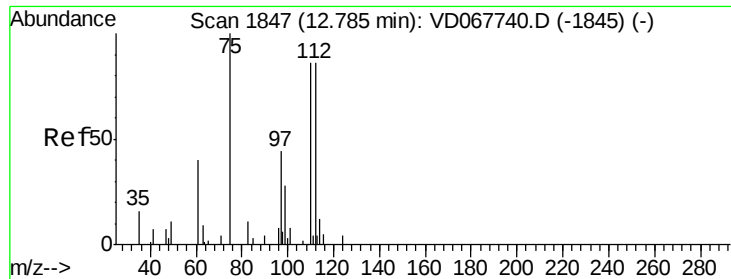
Tot Ion:117 Resp: 474497
Ion Ratio Lower Upper
117 100
82 51.9 40.2 60.4
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067756.D
Acq: 23 Nov 2020 20:00

Tgt Ion:152 Resp: 260844
Ion Ratio Lower Upper
152 100
115 59.9 29.4 88.3
150 160.1 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 66.692 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

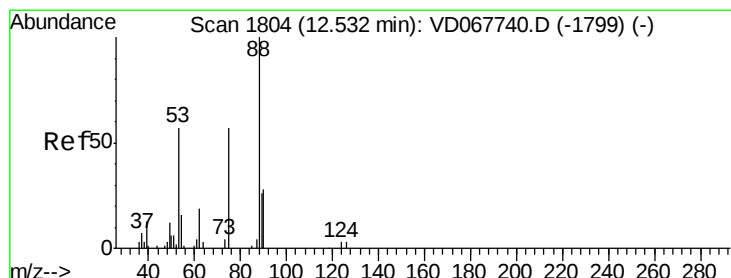
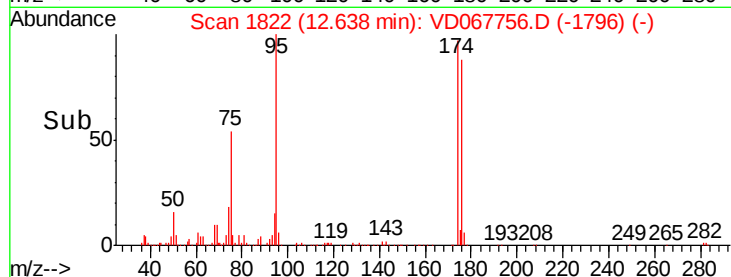
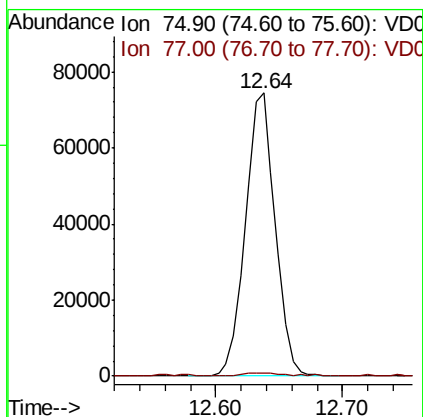
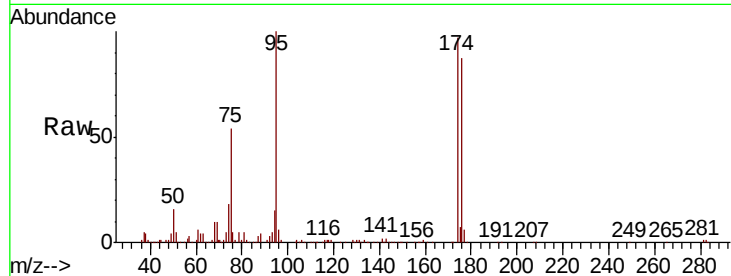
72-11933

Tot Ion: 75 Resp: 121243

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.987 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067756.D

Acq: 23 Nov 2020 20:00

Tgt Ion: 75 Resp: 121243

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.0 40.2 60.4#

