

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067786.D
 Acq On : 25 Nov 2020 14:48
 Operator : VA/SY
 Sample : L4889-01RE
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-GW-768-770RE

Quant Time: Nov 26 00:24:54 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	7.99	168	169831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	276602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	227191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	84441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	81630	49.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.86%
35) Dibromofluoromethane	7.92	113	79588	45.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.42%
50) Toluene-d8	10.34	98	258188	40.12	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	80.24%
62) 4-Bromofluorobenzene	12.64	95	71990	32.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	65.46%

Target Compounds

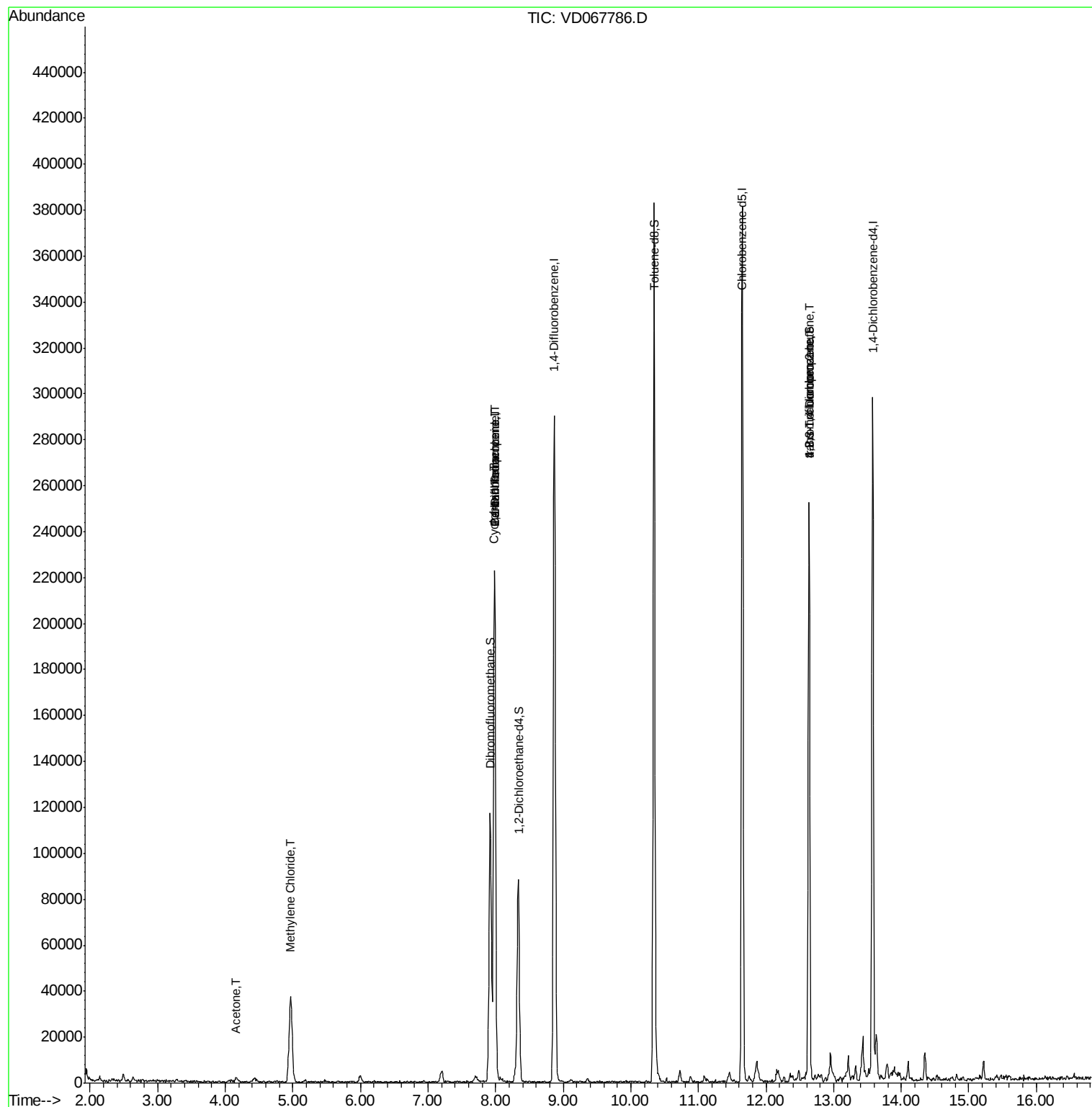
					Qvalue	
11) Tert butyl alcohol	5.21	59	279	Below Cal	#	87
16) Acetone	4.17	43	2848	13.350	ug/l	99
20) Methylene Chloride	4.97	84	32759	15.260	ug/l	96
31) Cyclohexane	7.97	56	3948	1.976	ug/l #	39
36) 1,1-Dichloropropene	7.99	75	11583	4.880	ug/l #	50
38) Carbon Tetrachloride	7.99	117	16914	4.916	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	38744	65.834	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	38744	153.980	ug/l #	11

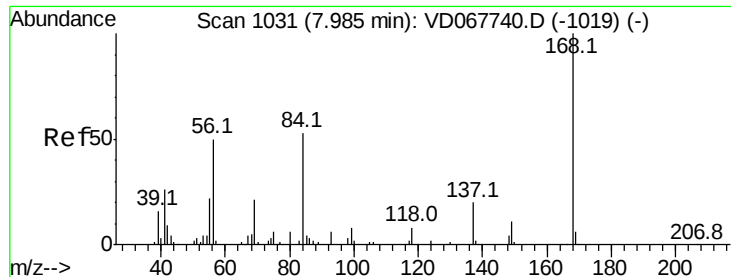
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

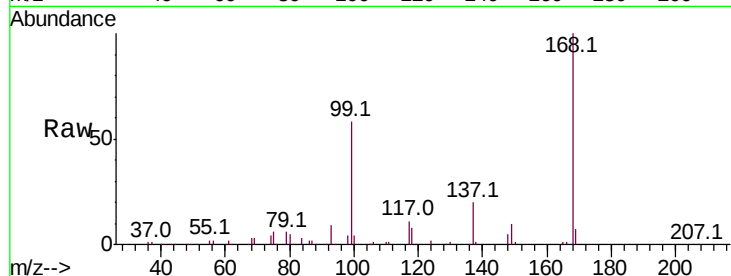
BP-VPB178-GW-768-770RE

Tot Ion:168 Resp: 169831

Ion Ratio Lower Upper

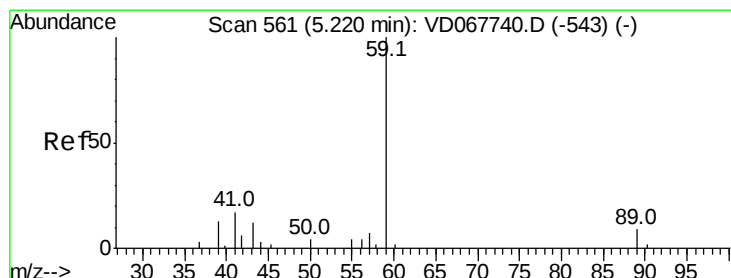
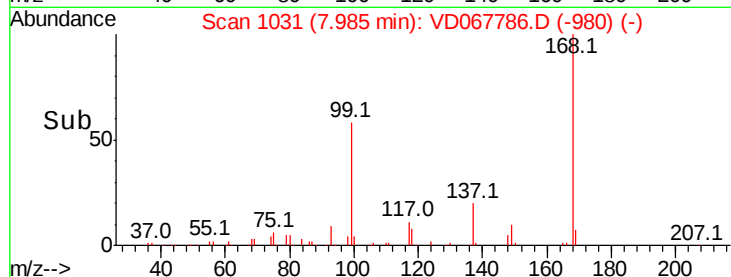
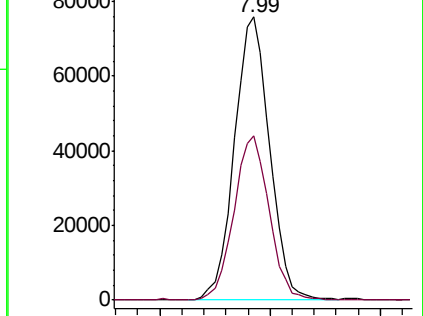
168 100

99 57.5 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067786.D

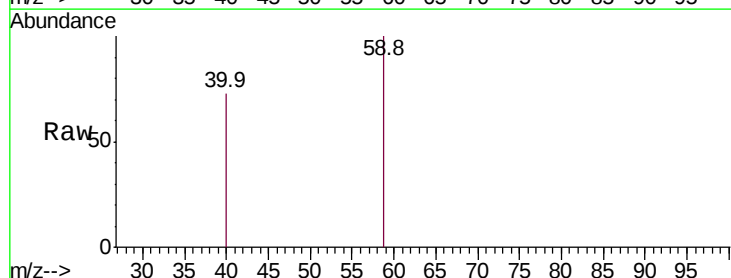
Acq: 25 Nov 2020 14:48

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

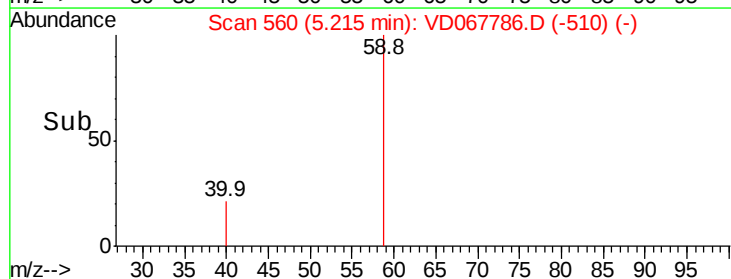
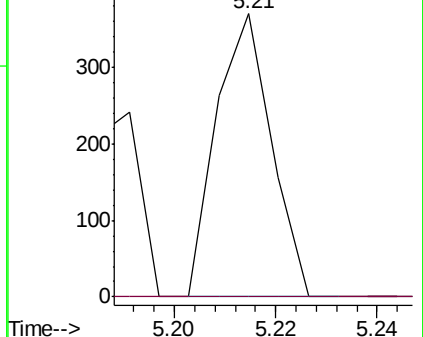
59 100

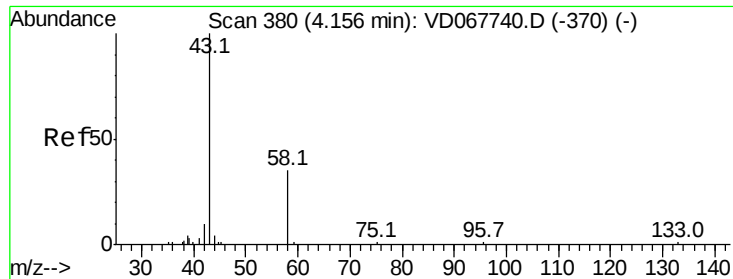
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 13.350 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

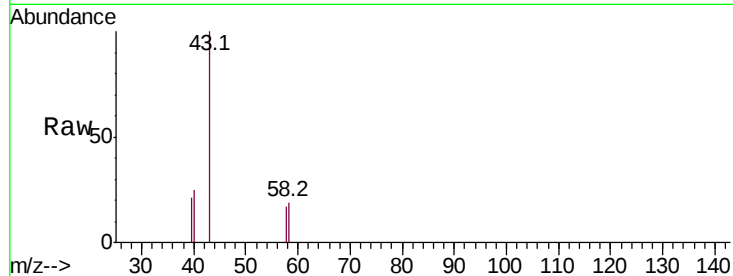
BP-VPB178-GW-768-770RE

Tot Ion: 43 Resp: 2848

Ion Ratio Lower Upper

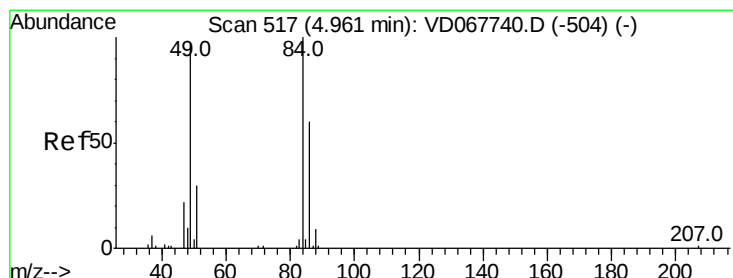
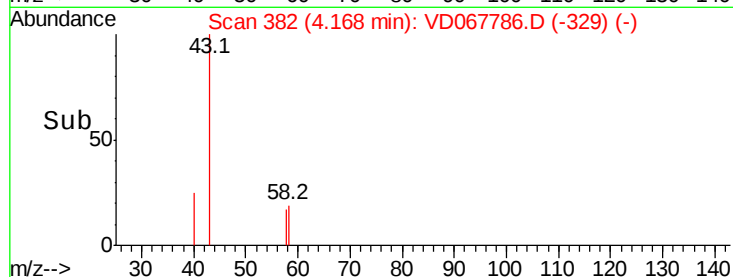
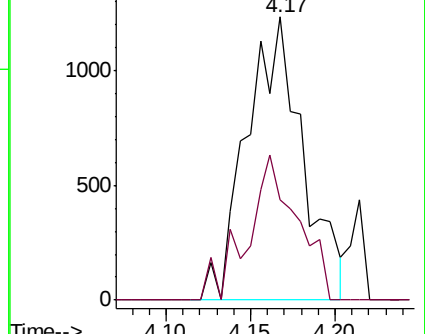
43 100

58 35.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 15.260 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Tgt Ion: 84 Resp: 32759

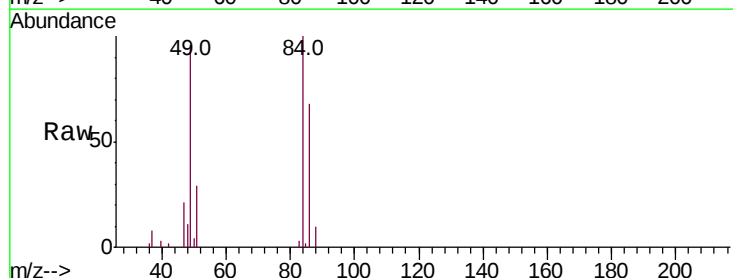
Ion Ratio Lower Upper

84 100

49 95.8 77.4 116.2

51 28.5 24.1 36.1

86 67.7 48.2 72.2

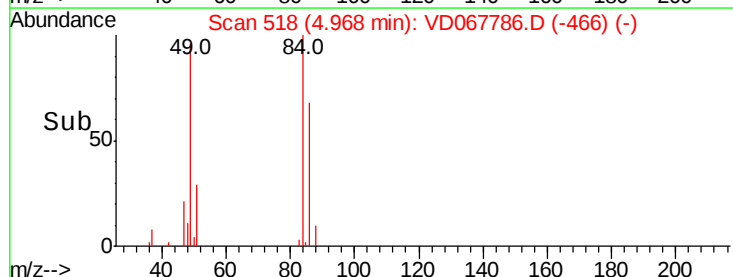
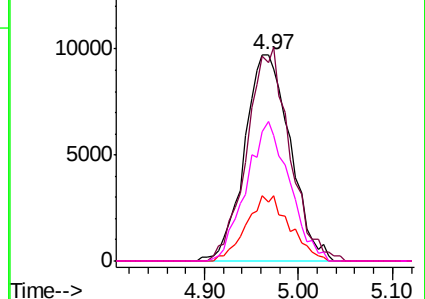


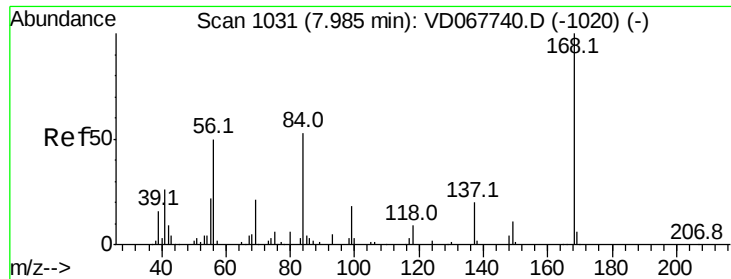
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

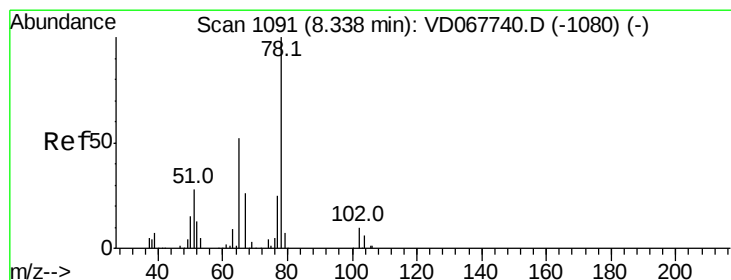
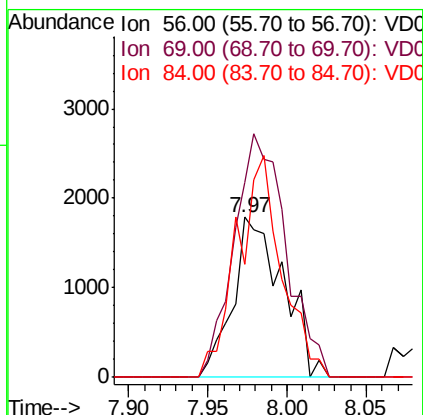
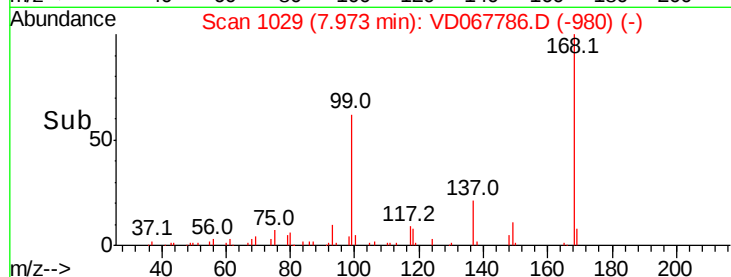
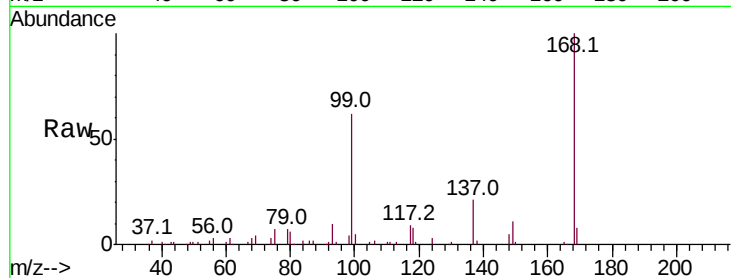




#31
Cyclohexane
Concen: 1.976 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067786.D
Acq: 25 Nov 2020 14:48

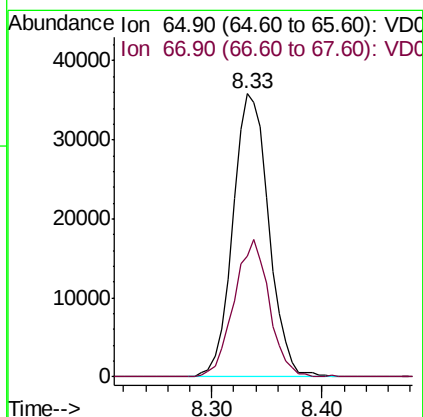
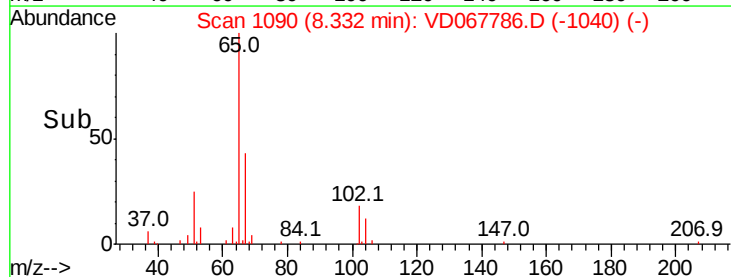
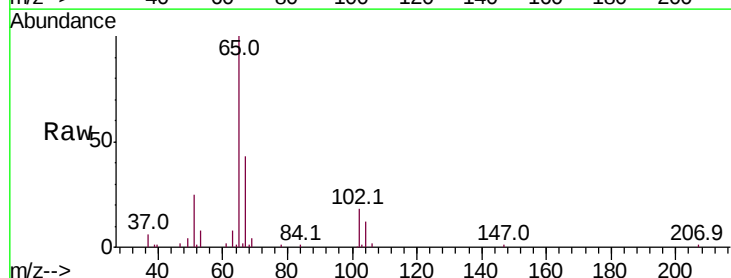
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-GW-768-770RE

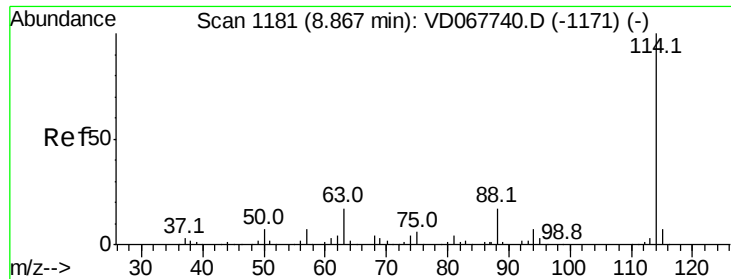
Tot Ion: 56 Resp: 3948
Ion Ratio Lower Upper
56 100
69 121.6 33.2 49.8#
84 70.3 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 49.434 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067786.D
Acq: 25 Nov 2020 14:48

Tgt Ion: 65 Resp: 81630
Ion Ratio Lower Upper
65 100
67 47.7 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-768-770RE

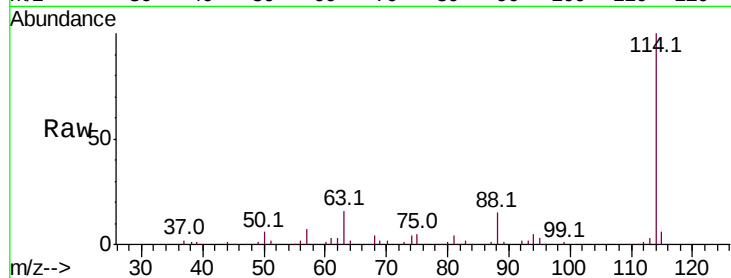
Tot Ion:114 Resp: 276602

Ion Ratio Lower Upper

114 100

63 15.6 0.0 34.8

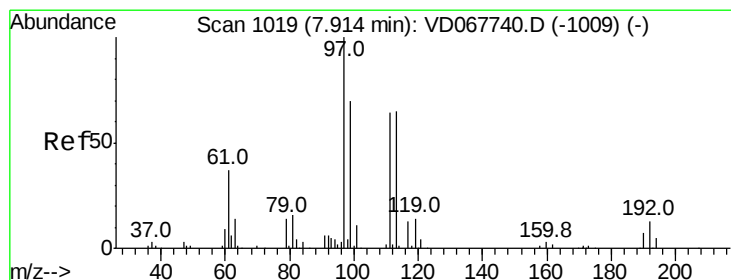
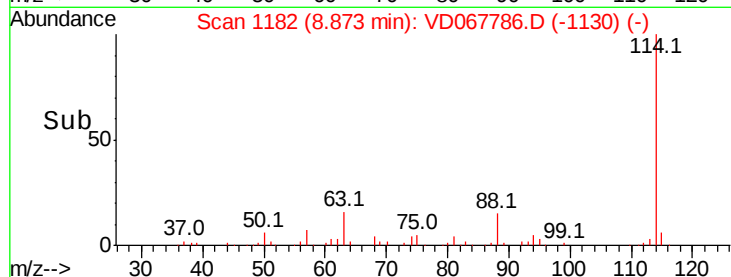
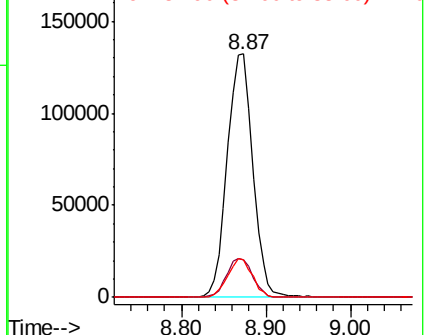
88 15.2 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 45.213 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

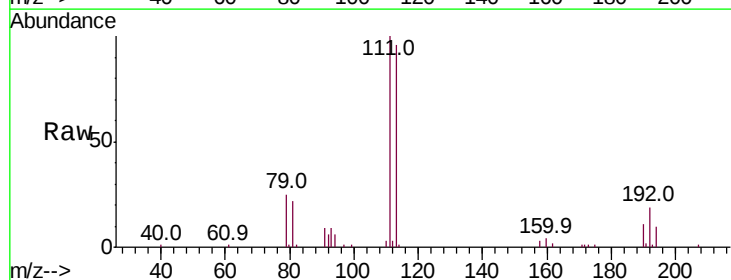
Tgt Ion:113 Resp: 79588

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

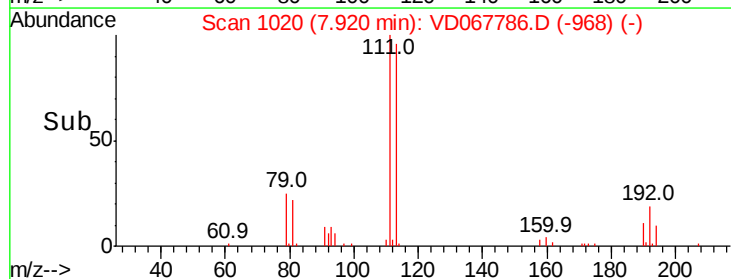
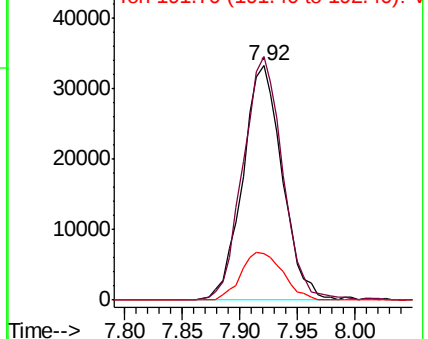
192 21.5 17.0 25.4

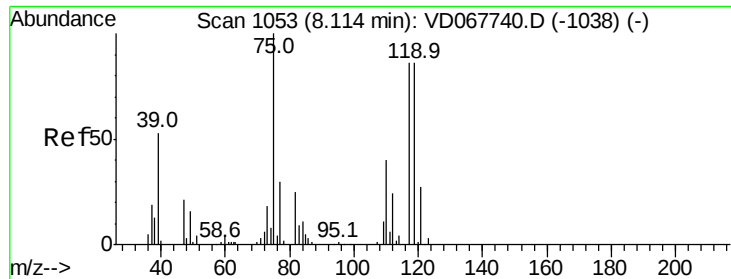


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-768-770RE

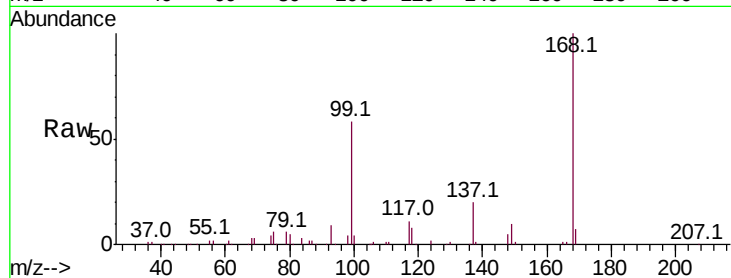
Tot Ion: 75 Resp: 11583

Ion Ratio Lower Upper

75 100

110 11.9 20.1 60.2#

77 0.0 24.8 37.2#

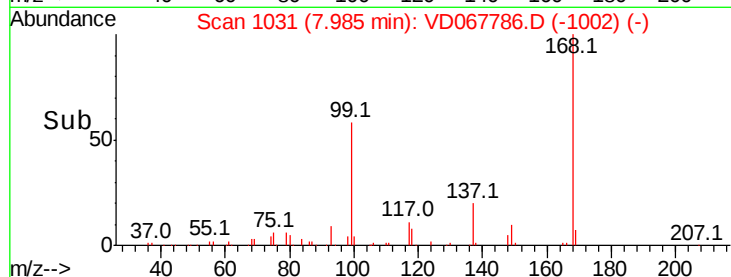


Abundance Ion 74.90 (74.60 to 75.60): VD067740.D (-1038) (-)

Ion 109.90 (109.60 to 110.60): VD067740.D (-1038) (-)

Ion 76.90 (76.60 to 77.60): VD067740.D (-1038) (-)

Time-->

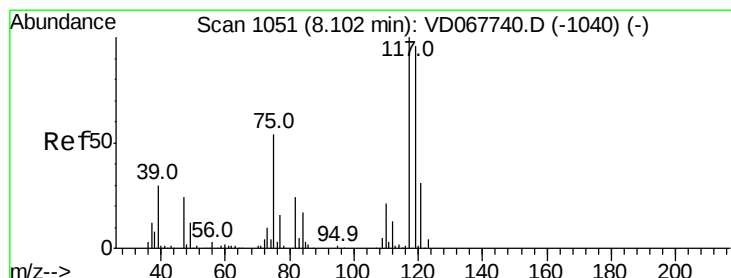


Abundance Ion 74.90 (74.60 to 75.60): VD067786.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD067786.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD067786.D (-1002) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.916 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

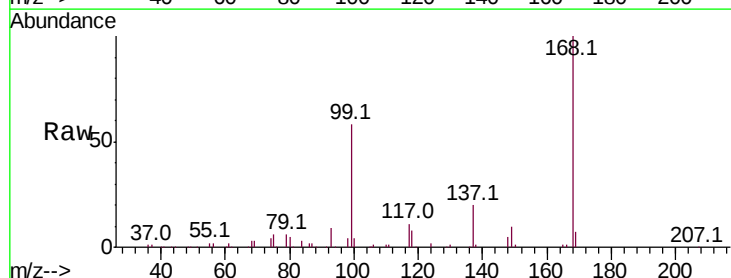
Tgt Ion: 117 Resp: 16914

Ion Ratio Lower Upper

117 100

119 3.3 76.6 115.0#

121 0.0 24.5 36.7#

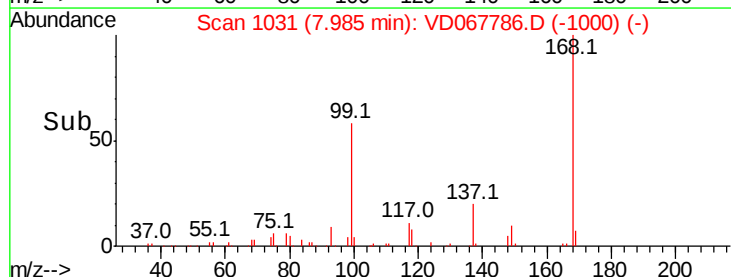


Abundance Ion 116.80 (116.50 to 117.50): VD067740.D (-1040) (-)

Ion 118.80 (118.50 to 119.50): VD067740.D (-1040) (-)

Ion 120.80 (120.50 to 121.50): VD067740.D (-1040) (-)

Time-->

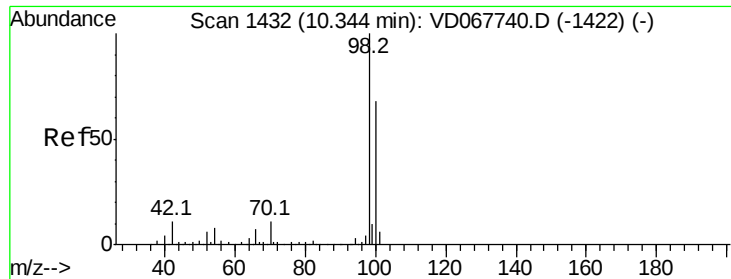


Abundance Ion 116.80 (116.50 to 117.50): VD067786.D (-1000) (-)

Ion 118.80 (118.50 to 119.50): VD067786.D (-1000) (-)

Ion 120.80 (120.50 to 121.50): VD067786.D (-1000) (-)

Time-->



#50

Toluene-d8

Concen: 40.118 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

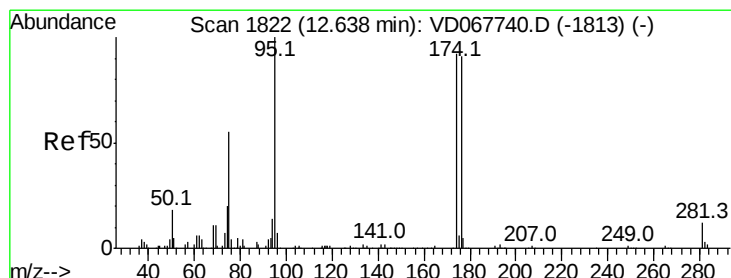
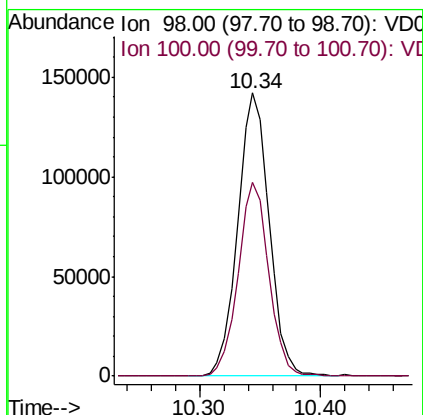
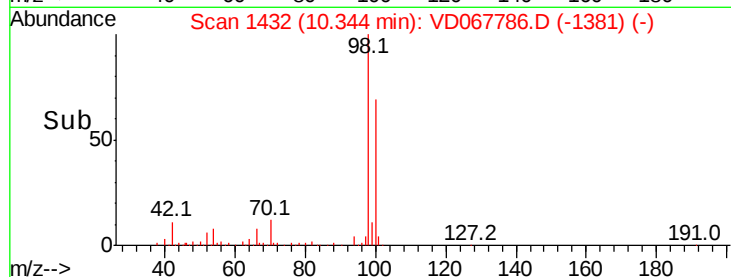
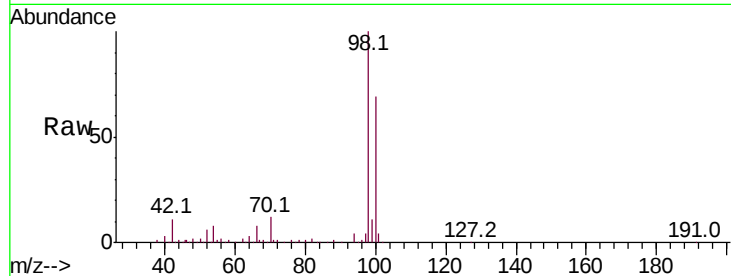
BP-VPB178-GW-768-770RE

Tot Ion: 98 Resp: 258188

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 32.726 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

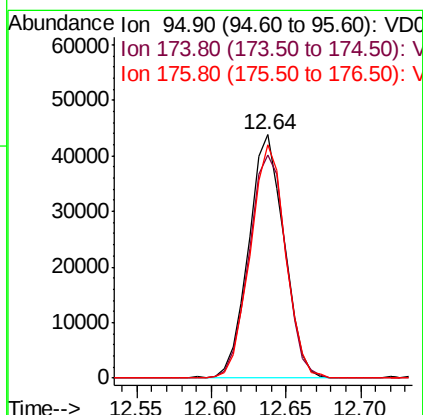
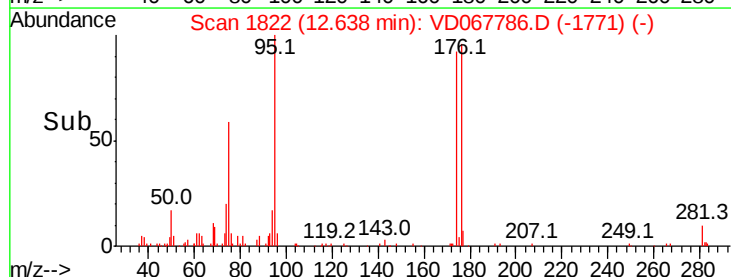
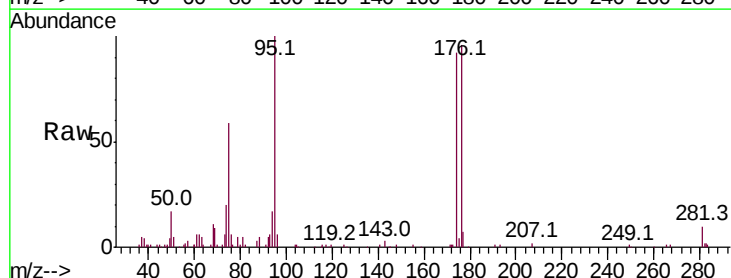
Tgt Ion: 95 Resp: 71990

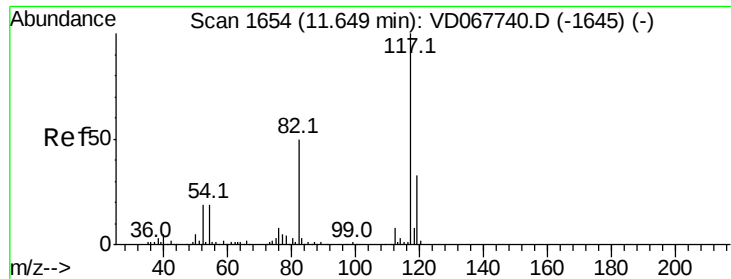
Ion Ratio Lower Upper

95 100

174 95.0 0.0 182.4

176 94.6 0.0 178.2

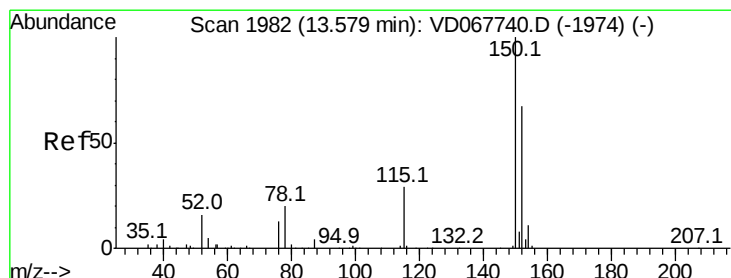
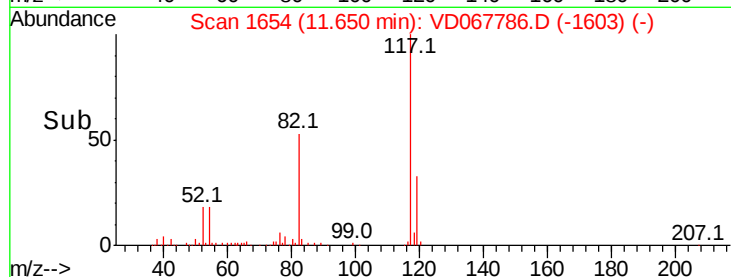
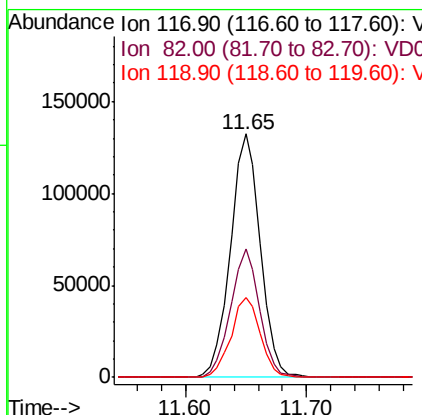
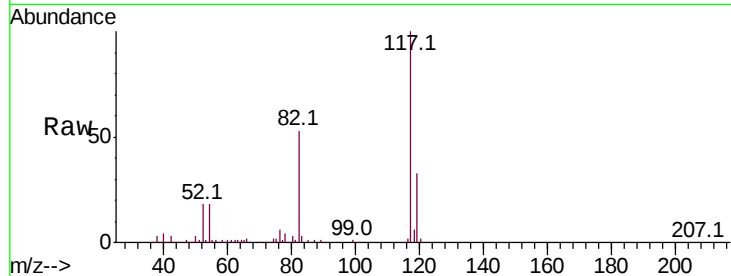




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067786.D
Acq: 25 Nov 2020 14:48

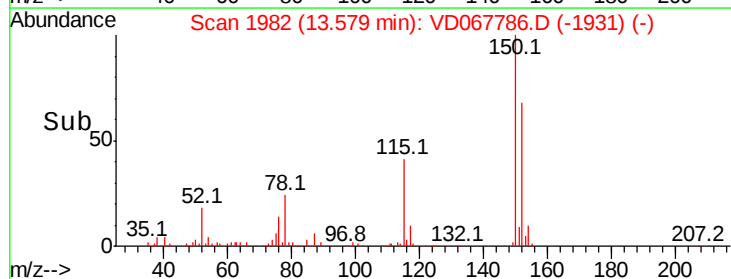
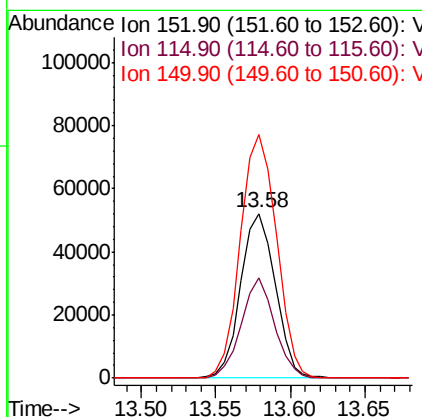
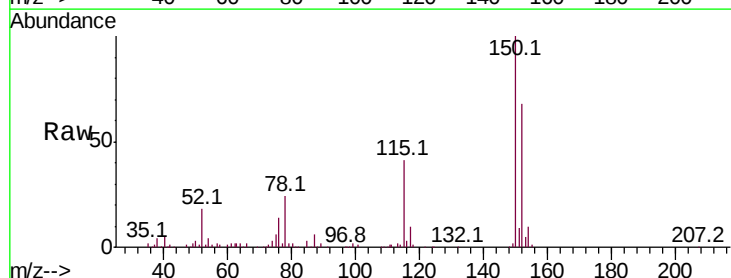
Instrument :
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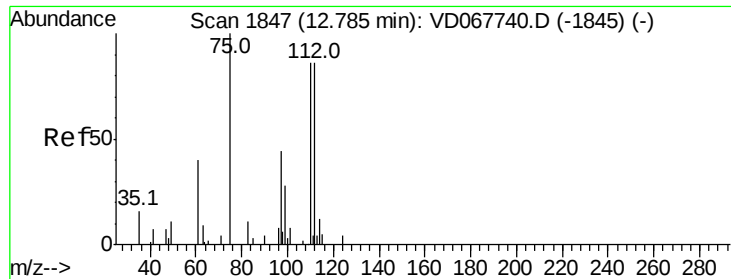
Tot Ion:117 Resp: 227191
Ion Ratio Lower Upper
117 100
82 52.6 40.2 60.4
119 32.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067786.D
Acq: 25 Nov 2020 14:48

Tgt Ion:152 Resp: 84441
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.3
150 153.7 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 65.834 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

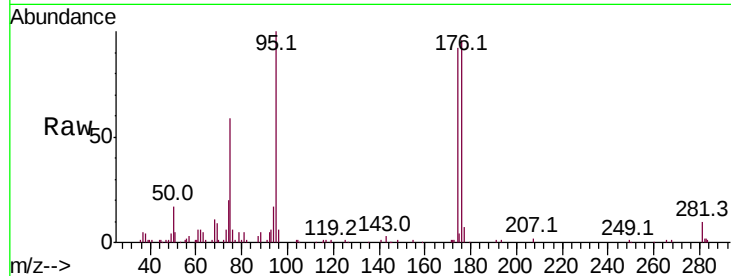
BP-VPB178-GW-768-770RE

Tot Ion: 75 Resp: 38744

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

25000

20000

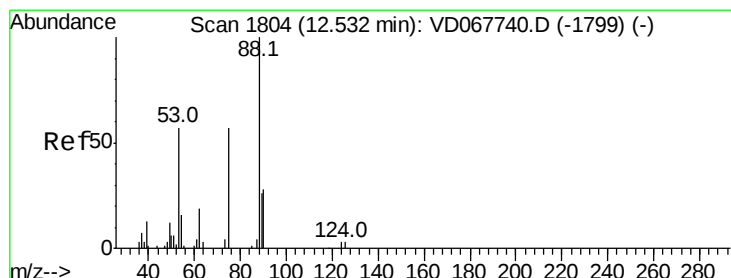
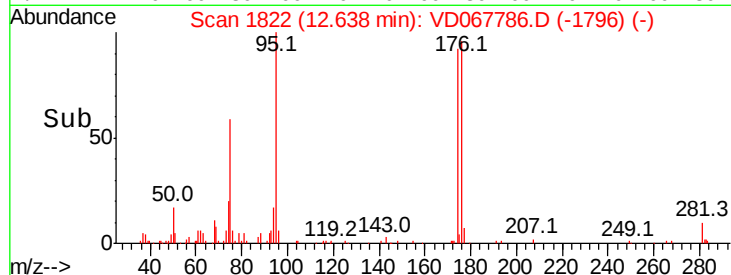
15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 153.980 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067786.D

Acq: 25 Nov 2020 14:48

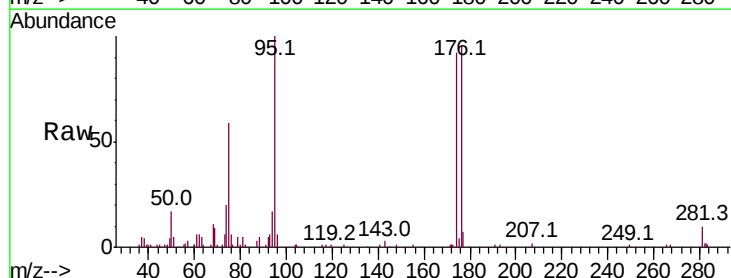
Tgt Ion: 75 Resp: 38744

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.0 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.64

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

