

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067798.D
 Acq On : 25 Nov 2020 20:14
 Operator : VA/SY
 Sample : L4858-01RE
 Misc : 3.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PHC-340EM-012RE

Quant Time: Nov 26 00:27:03 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	5875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	10044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	9209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	5803	101.59	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	203.18%#
35) Dibromofluoromethane	7.92	113	3544	55.44	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.88%
50) Toluene-d8	10.34	98	11114	47.56	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.12%
62) 4-Bromofluorobenzene	12.64	95	3992	49.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.96%

Target Compounds

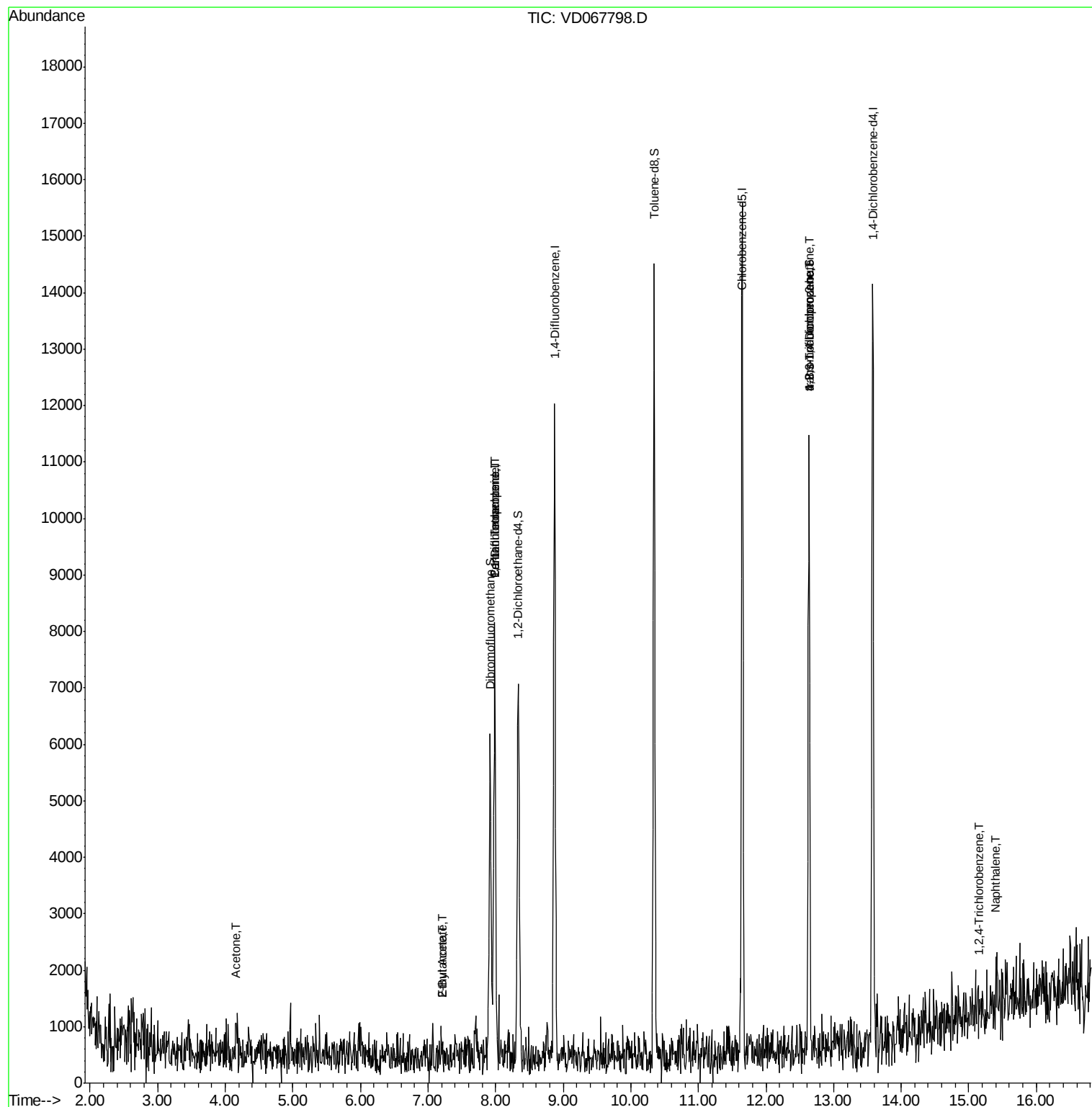
					Qvalue	
16) Acetone	4.16	43	773	104.748	ug/l #	40
20) Methylene Chloride	4.97	84	115	Below Cal	#	31
25) 2-Butanone	7.21	43	67	8.091	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	219	2.541	ug/l #	39
37) Ethyl Acetate	7.21	43	67	2.891	ug/l #	63
38) Carbon Tetrachloride	7.98	117	493	3.946	ug/l #	12
76) 1,2,3-Trichloropropane	12.63	75	1839	57.726	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1839	135.016	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.16	180	140	1.575	ug/l #	12
95) Naphthalene	15.40	128	351	2.440	ug/l #	69

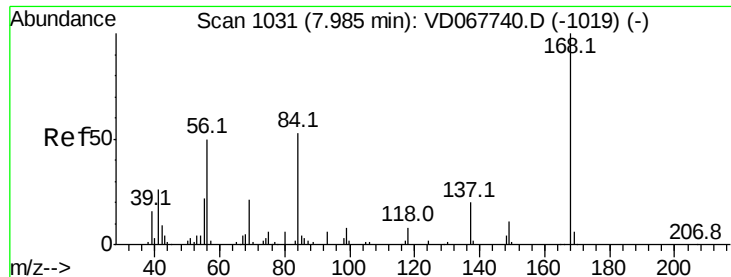
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112520\
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Quant Time: Nov 26 00:27:03 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

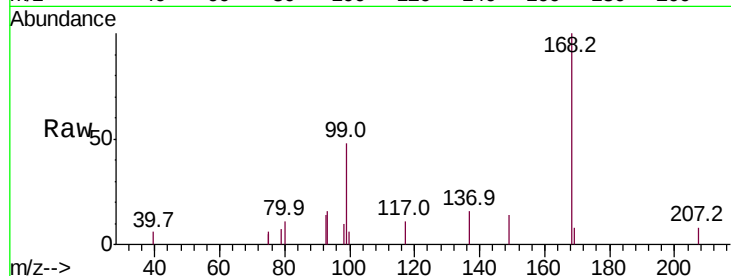
Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012RE

Tot Ion:168 Resp: 5875

Ion Ratio Lower Upper

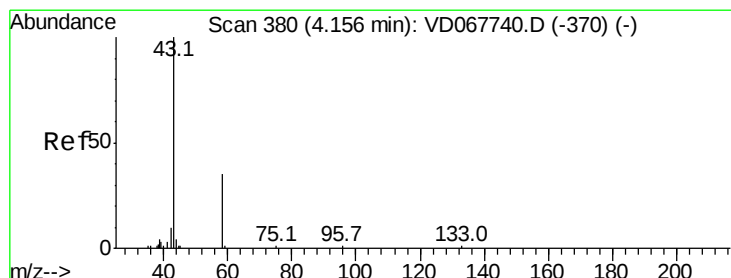
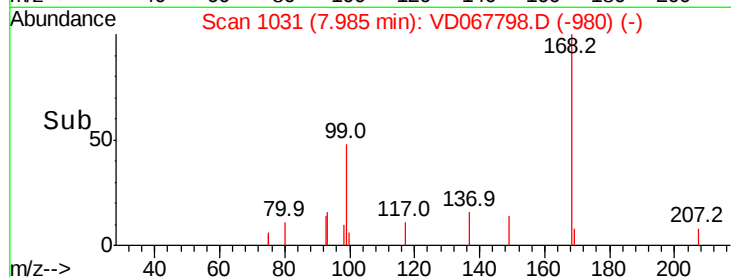
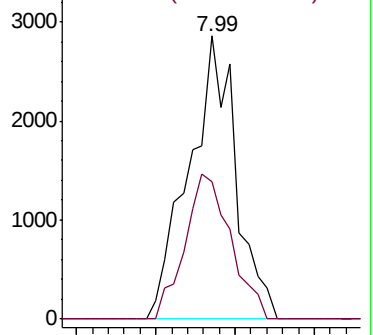
168 100

99 48.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 104.748 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067798.D

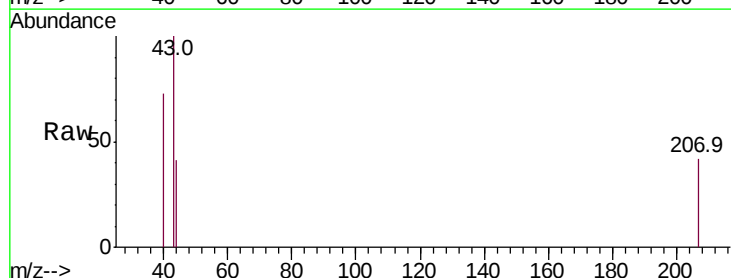
Acq: 25 Nov 2020 20:14

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

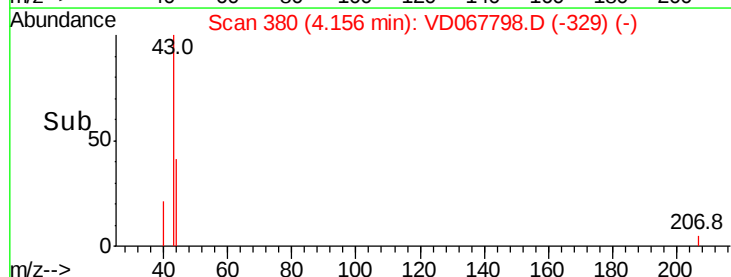
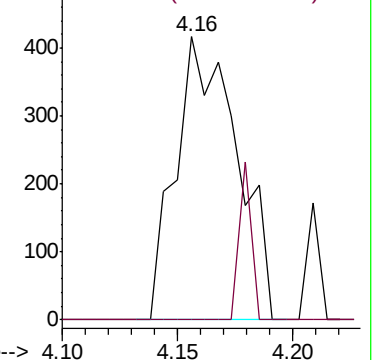
43 100

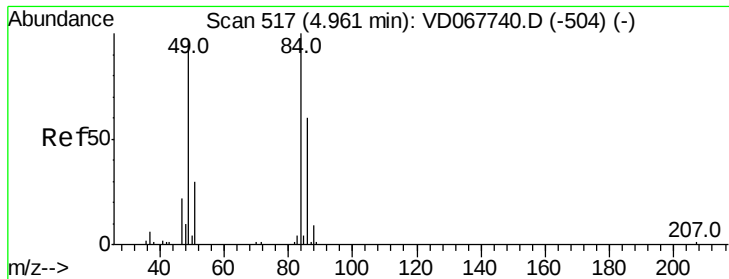
58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

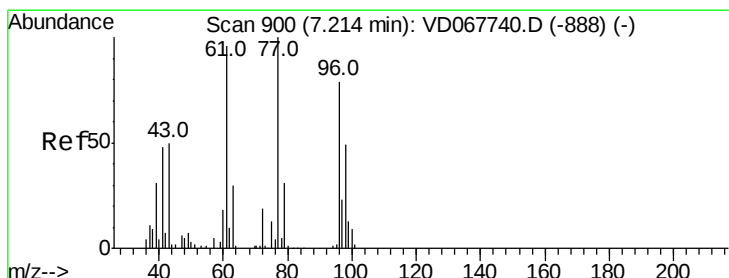
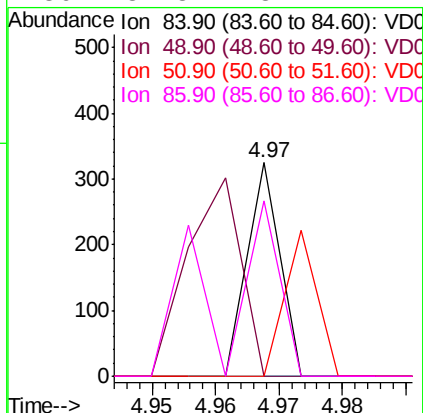
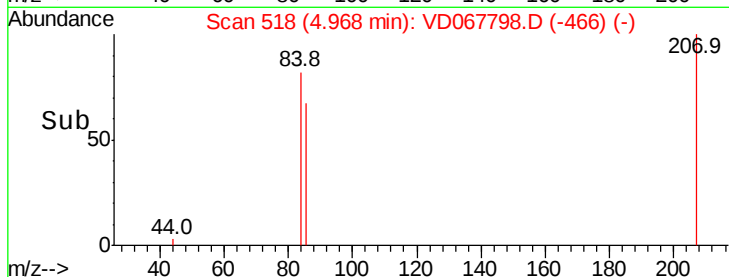
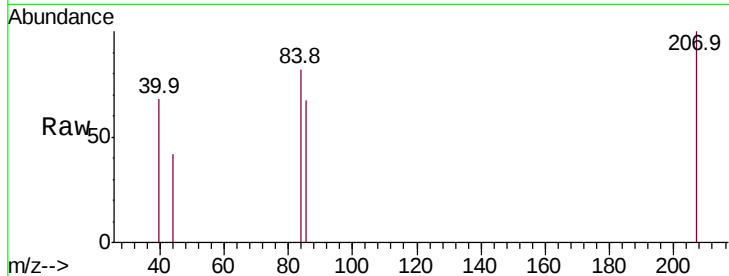




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

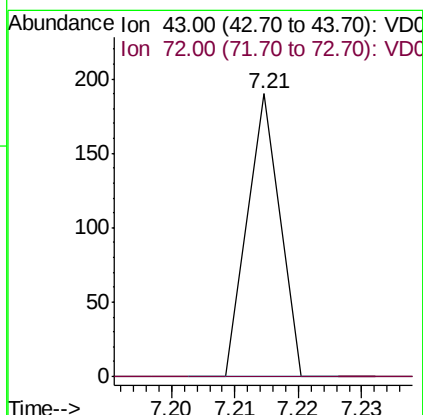
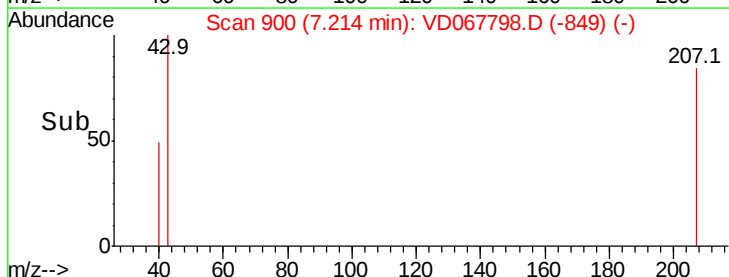
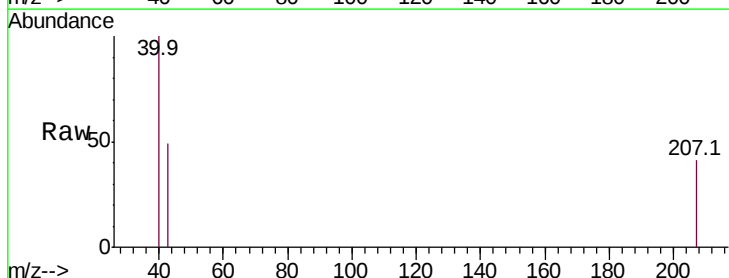
Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012RE

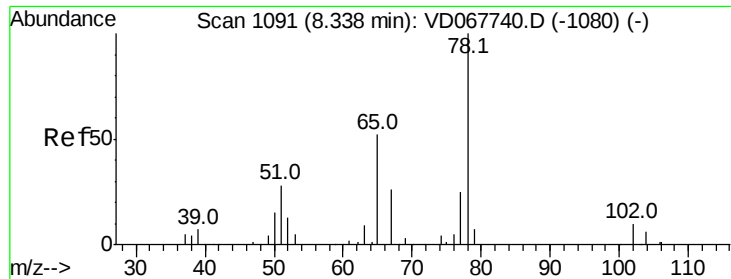
Tot Ion: 84 Resp: 115
Ion Ratio Lower Upper
84 100
49 0.0 77.4 116.2#
51 0.0 24.1 36.1#
86 81.8 48.2 72.2#



#25
2-Butanone
Concen: 8.091 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
72 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 101.587 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

Instrument :

MSVOA_D

ClientSampleId :

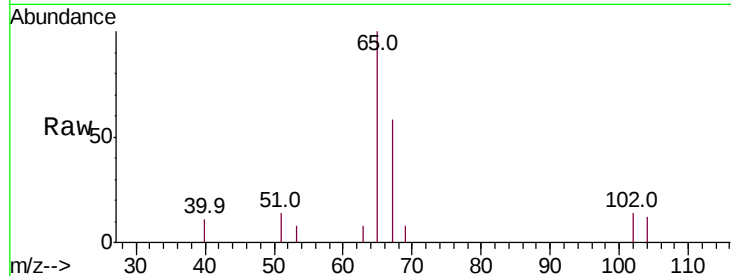
PHC-340EM-012RE

Tot Ion: 65 Resp: 5803

Ion Ratio Lower Upper

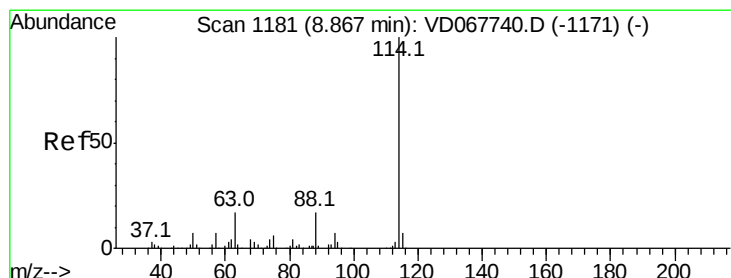
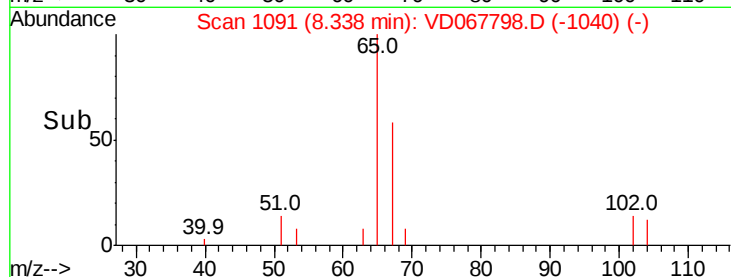
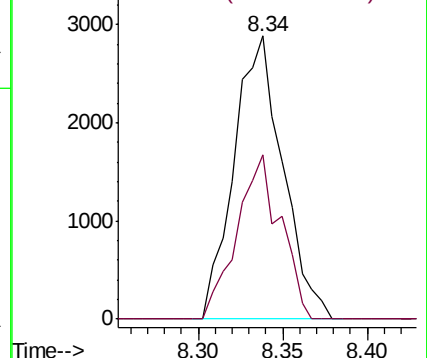
65 100

67 51.5 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

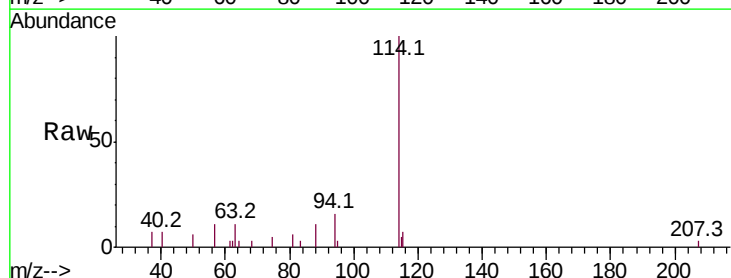
Tgt Ion:114 Resp: 10044

Ion Ratio Lower Upper

114 100

63 11.0 0.0 34.8

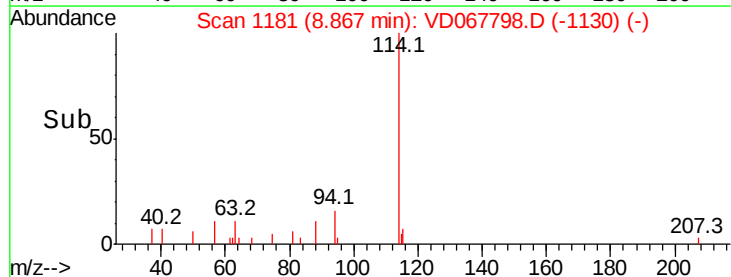
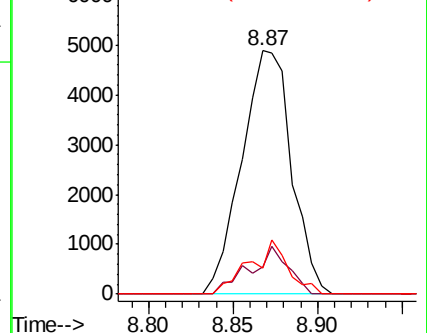
88 10.5 0.0 34.4

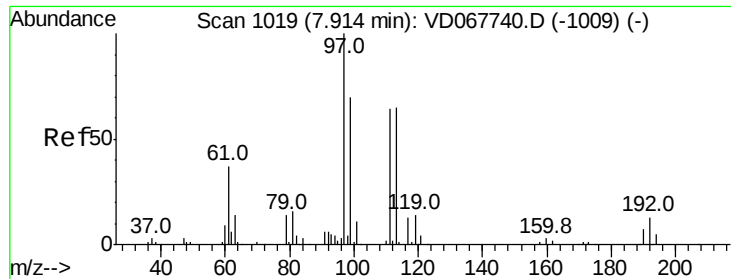


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.444 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012RE

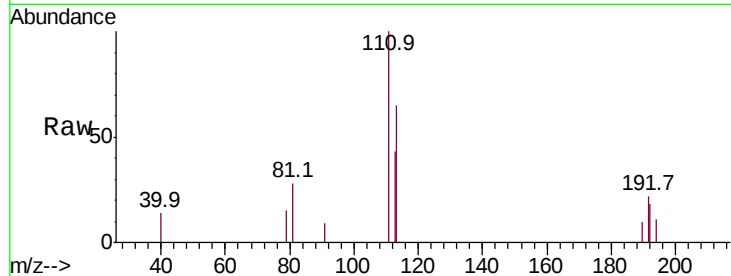
Tot Ion:113 Resp: 3544

Ion Ratio Lower Upper

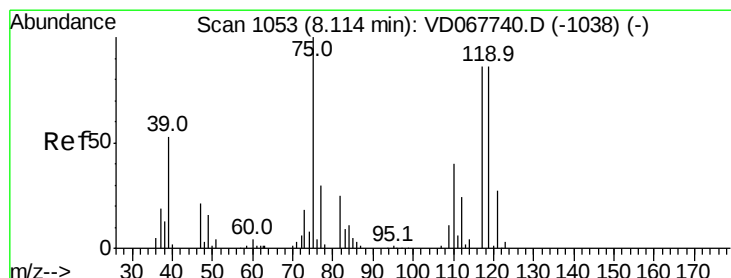
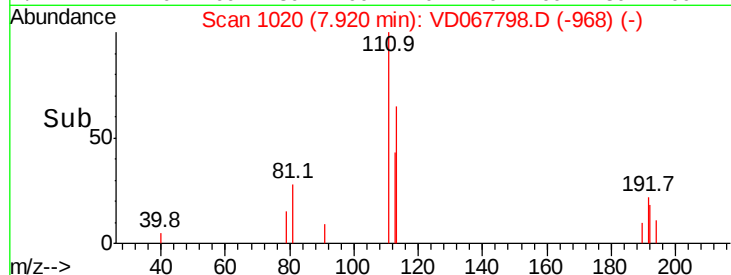
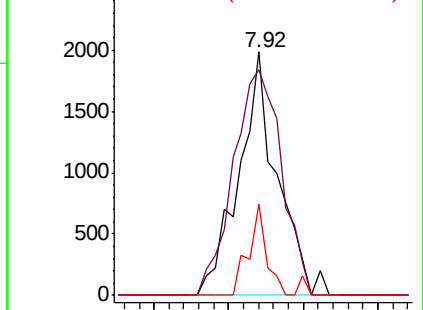
113 100

111 116.6 81.4 122.0

192 17.5 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: 2.541 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

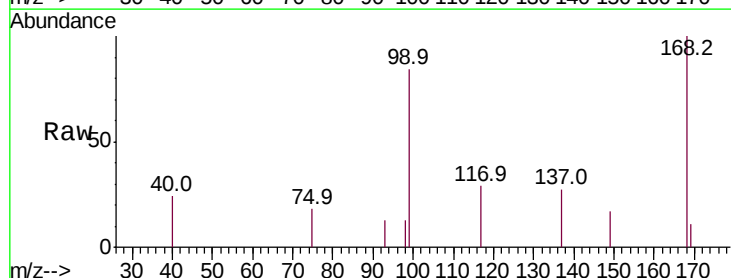
Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

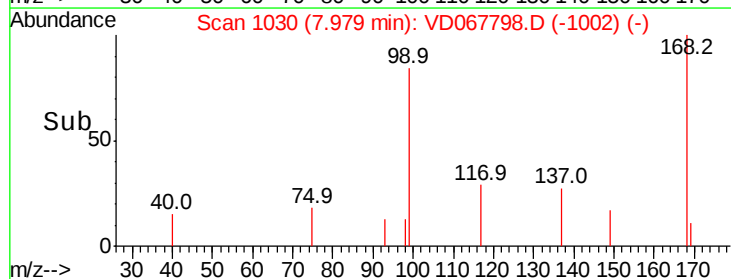
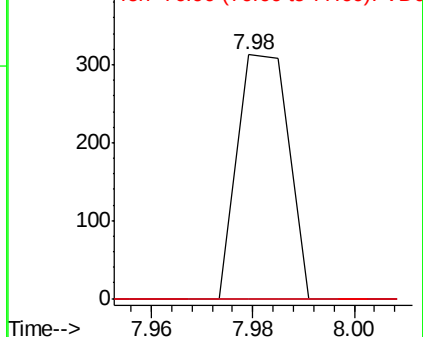
75 100

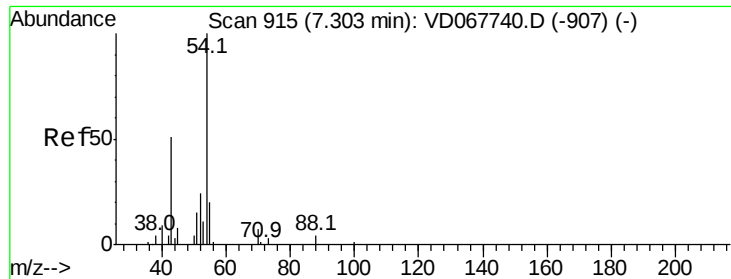
110 0.0 20.1 60.2#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

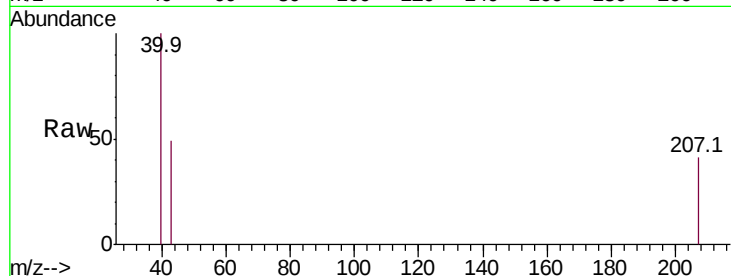




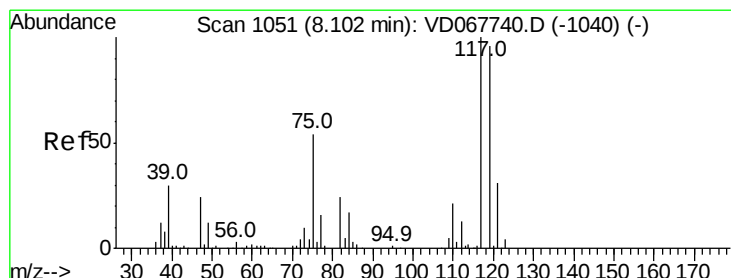
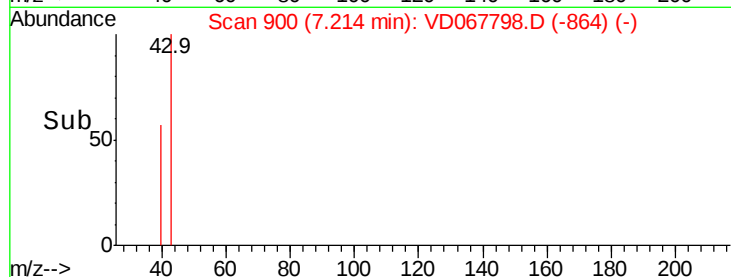
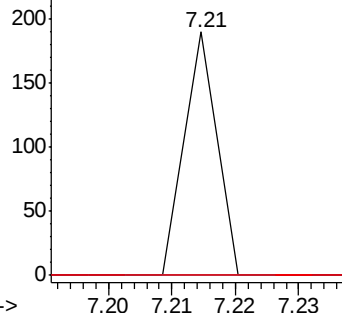
#37
Ethyl Acetate
Concen: 2.891 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.09 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012RE

Tot Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
61 0.0 12.9 19.3#
70 0.0 12.2 18.2#

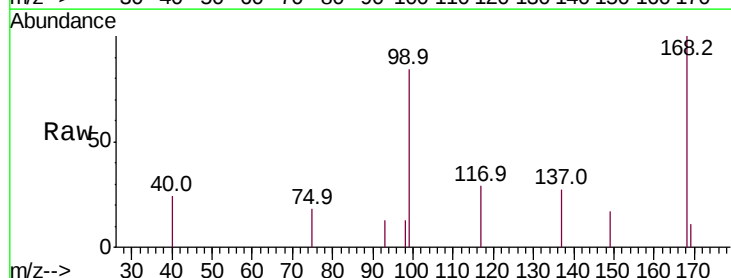


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

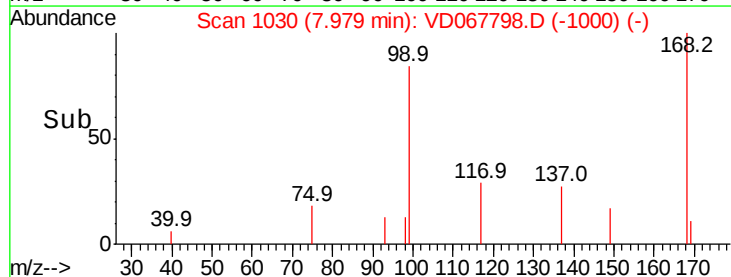
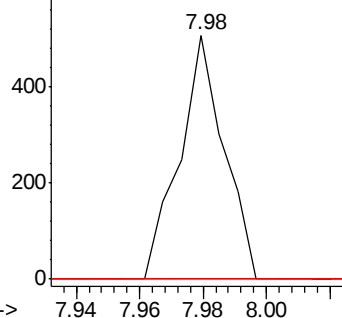


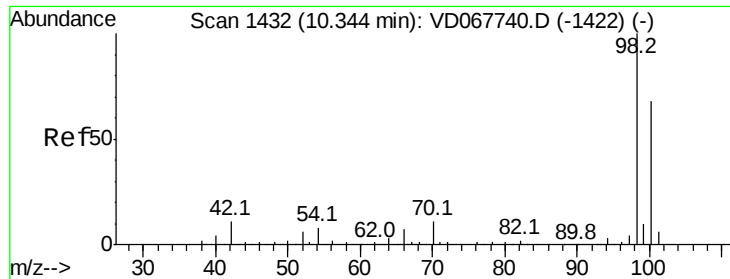
#38
Carbon Tetrachloride
Concen: 3.946 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Tgt Ion: 117 Resp: 493
Ion Ratio Lower Upper
117 100
119 0.0 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





#50

Toluene-d8

Concen: 47.558 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

Instrument :

MSVOA_D

ClientSampleId :

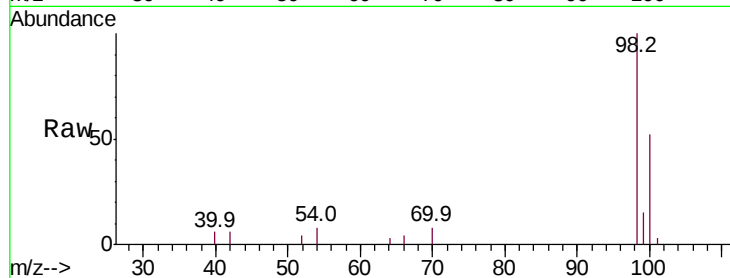
PHC-340EM-012RE

Tot Ion: 98 Resp: 11114

Ion Ratio Lower Upper

98 100

100 59.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VD067740.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD067740.D (-1422) (-)

10.34

8000

6000

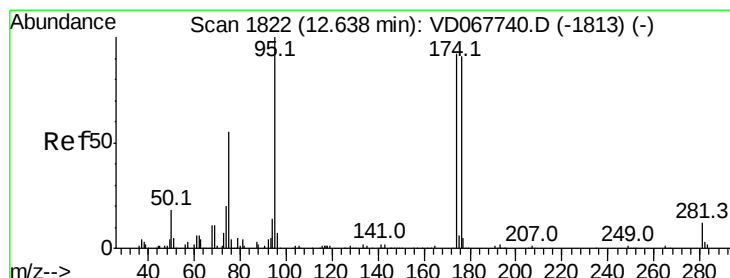
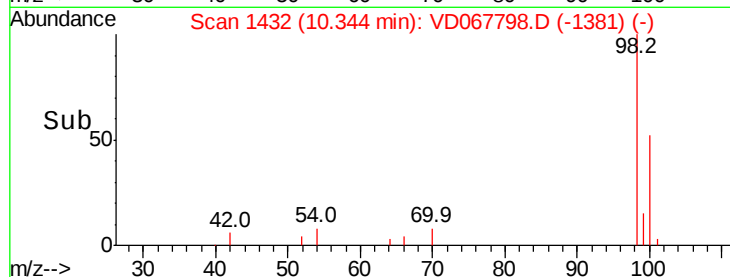
4000

2000

0

10.30 10.35 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 49.976 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

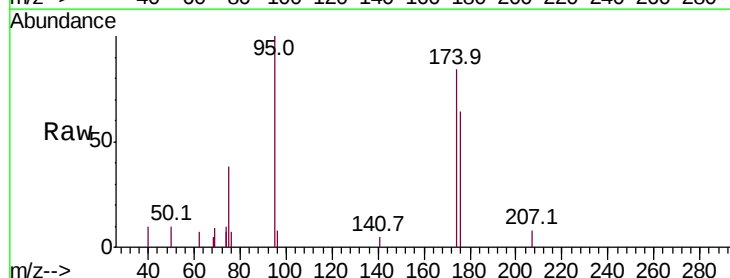
Tgt Ion: 95 Resp: 3992

Ion Ratio Lower Upper

95 100

174 98.8 0.0 182.4

176 94.2 0.0 178.2



Abundance Ion 94.90 (94.60 to 95.60): VD067740.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD067740.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD067740.D (-1813) (-)

12.64

4000

3000

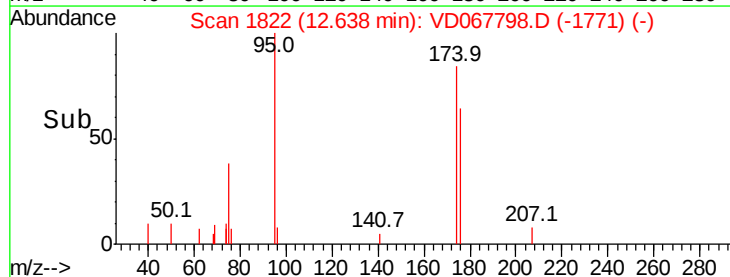
2000

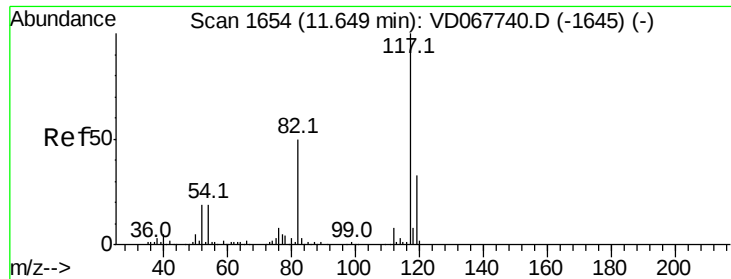
1000

0

12.60 12.65

Time-->

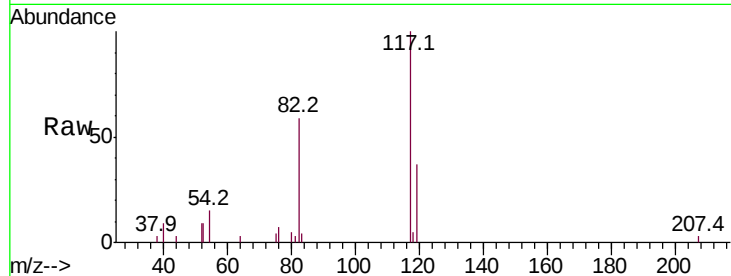




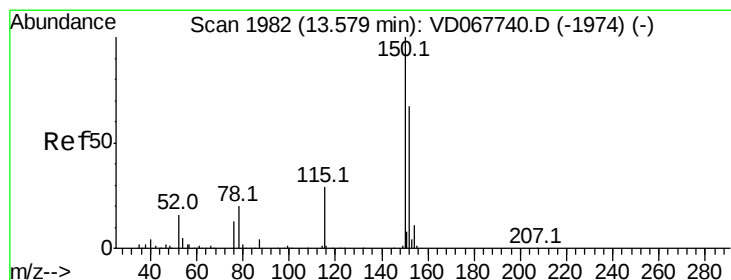
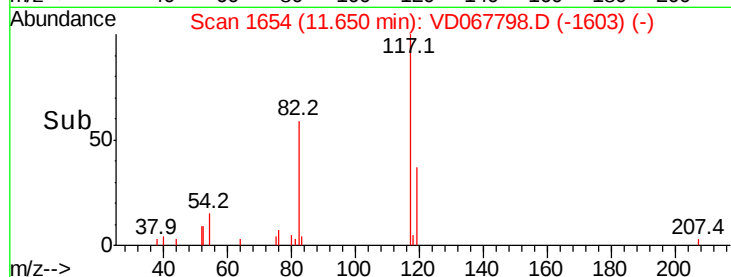
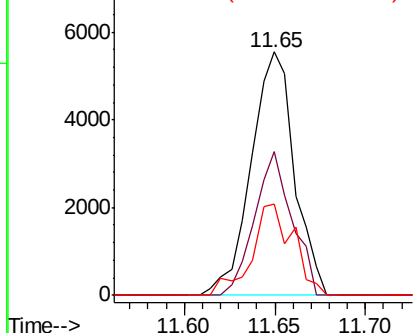
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012RE

Tot Ion:117 Resp: 9209
Ion Ratio Lower Upper
117 100
82 59.2 40.2 60.4
119 37.3 26.5 39.7

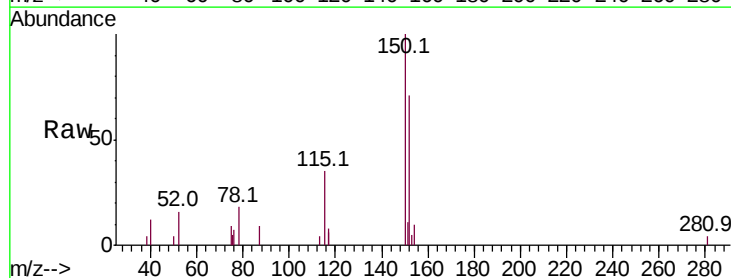


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

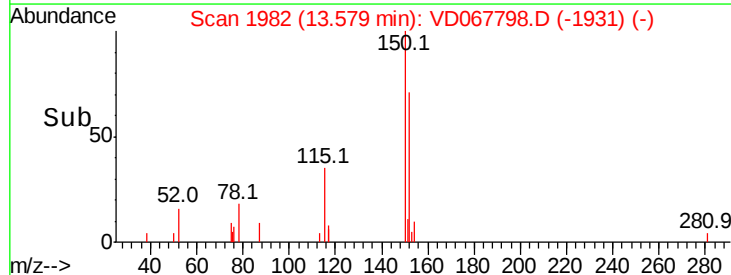
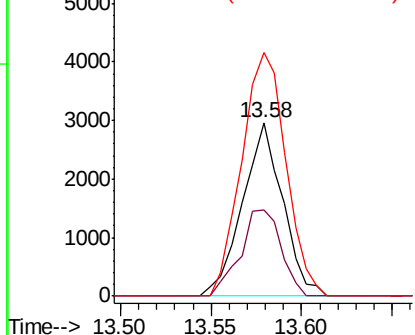


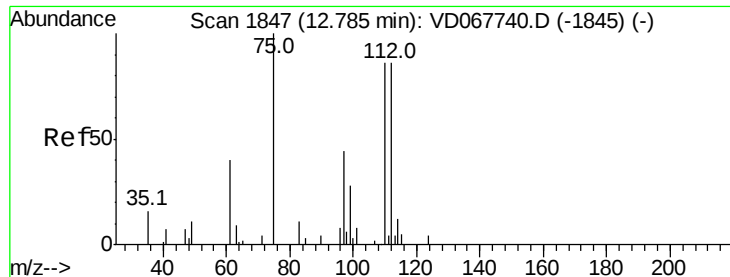
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Tgt Ion:152 Resp: 4571
Ion Ratio Lower Upper
152 100
115 50.1 29.4 88.3
150 154.1 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.726 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

Instrument :

MSVOA_D

ClientSampleId :

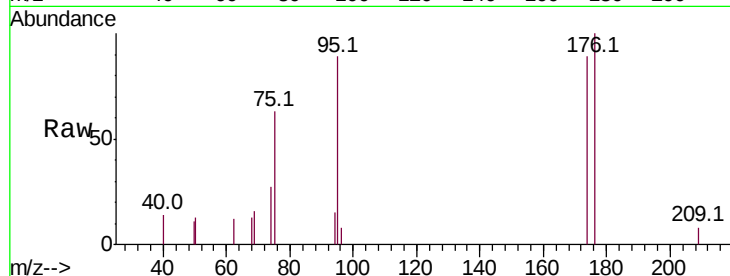
PHC-340EM-012RE

Tot Ion: 75 Resp: 1839

Ion Ratio Lower Upper

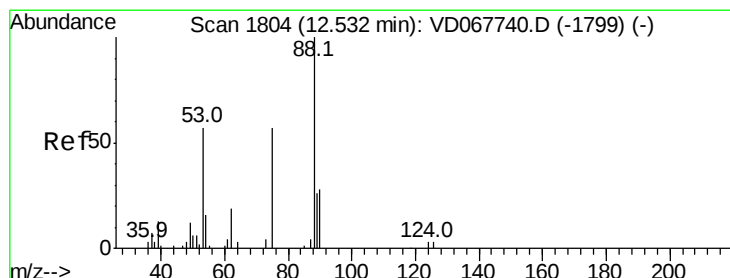
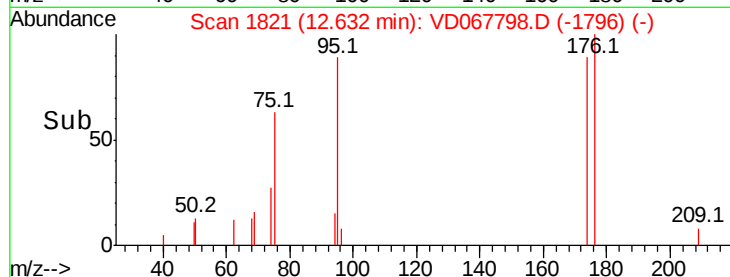
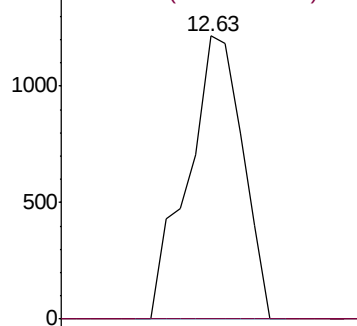
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 135.016 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067798.D

Acq: 25 Nov 2020 20:14

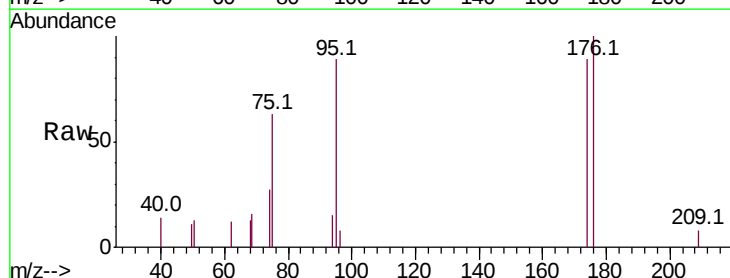
Tgt Ion: 75 Resp: 1839

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

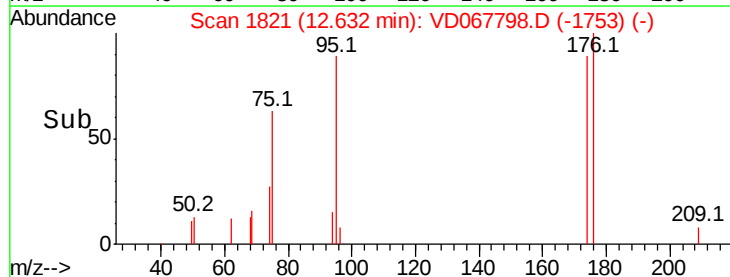
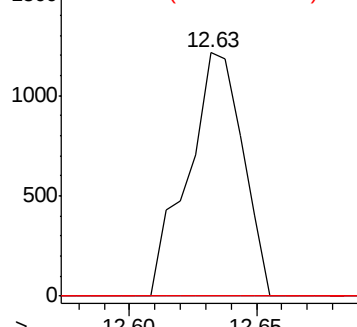
89 0.0 40.2 60.4#

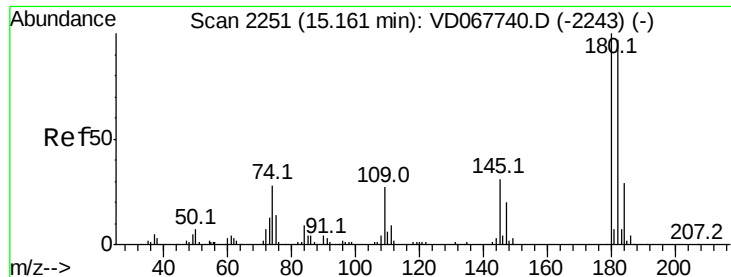


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

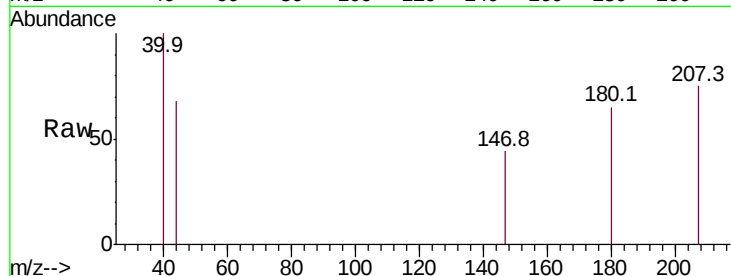




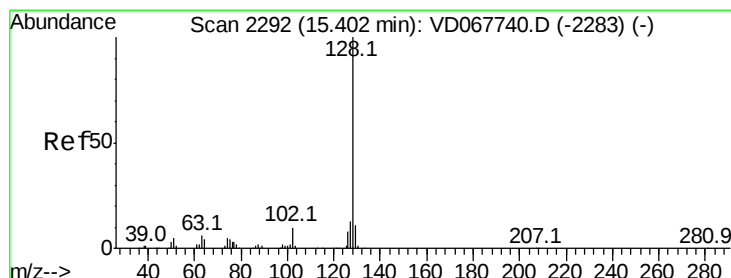
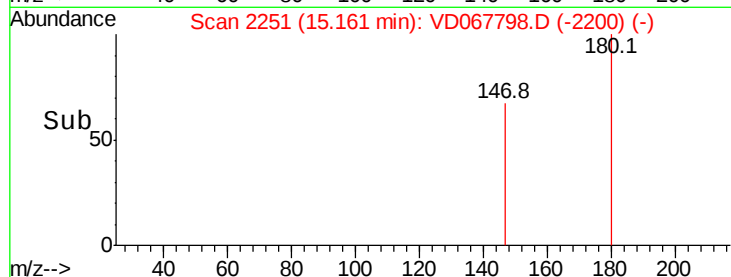
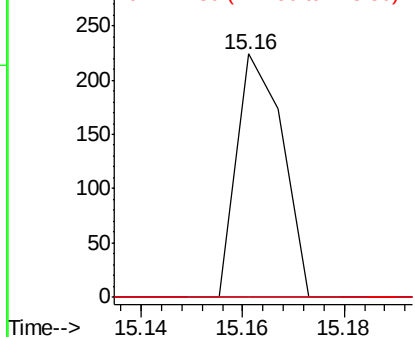
#93
1,2,4-Trichlorobenzene
Concen: 1.575 ug/l
RT: 15.16 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012RE

Tot Ion:180 Resp: 140
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 16.1 48.3#

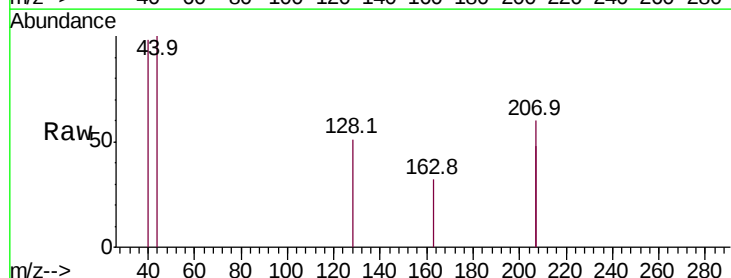


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95
Naphthalene
Concen: 2.440 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.01 min
Lab File: VD067798.D
Acq: 25 Nov 2020 20:14

Tgt Ion:128 Resp: 351
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#



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

