

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067927.D
 Acq On : 09 Dec 2020 15:25
 Operator : VA/SY
 Sample : L5008-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

Quant Time: Dec 10 03:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	232159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	270756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114122	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.33	65	105847	42.47	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.94%	
35) Dibromofluoromethane		7.92	113	93885	43.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.98%	
50) Toluene-d8		10.34	98	365226	47.53	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.06%	
62) 4-Bromofluorobenzene		12.64	95	108429	40.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.64%	

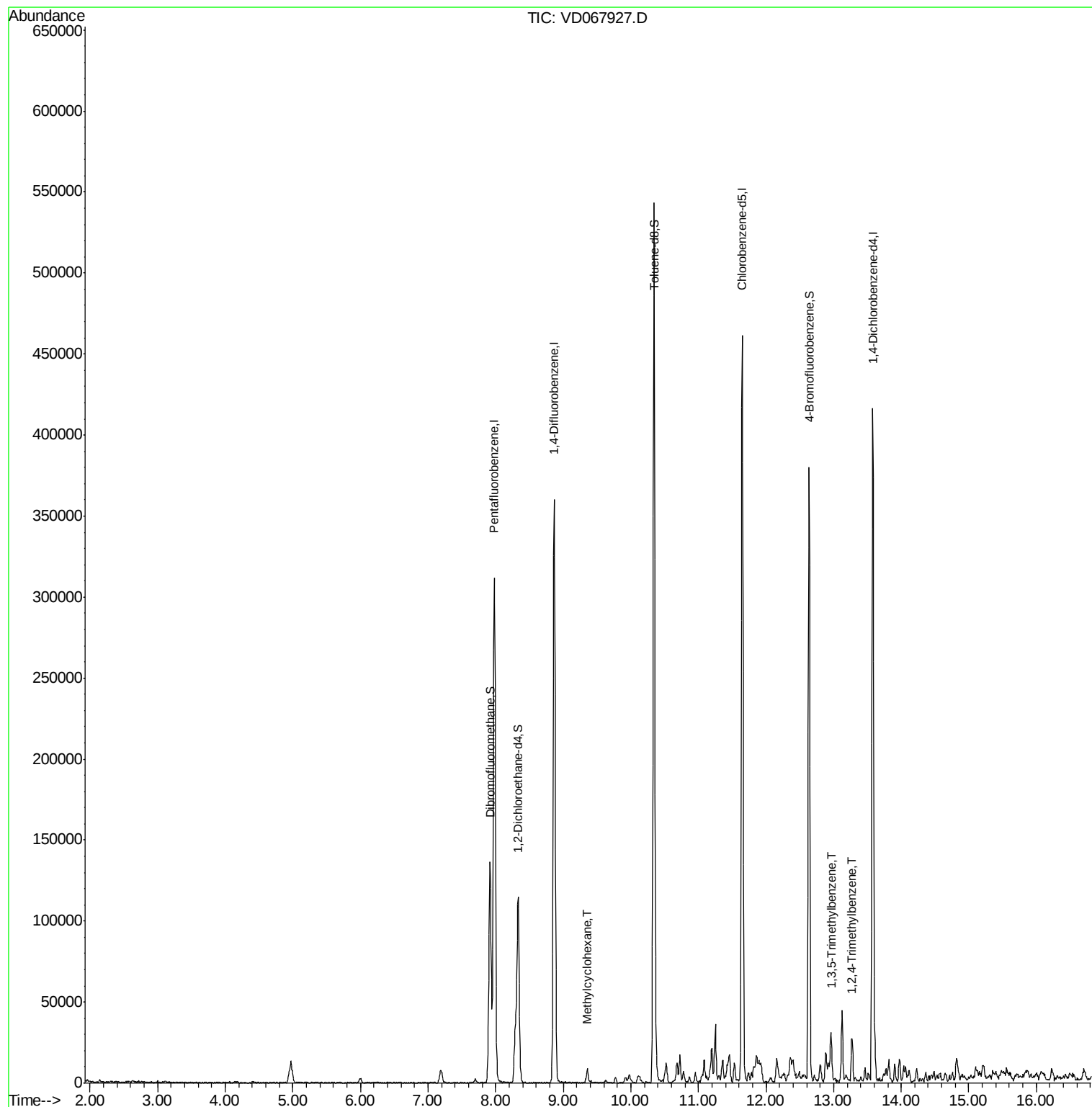
Target Compounds		R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane		9.36	83	3853	1.177	ug/l	89
80) 1,3,5-Trimethylbenzene		12.97	105	10872	1.600	ug/l	99
84) 1,2,4-Trimethylbenzene		13.27	105	16310	2.414	ug/l	95

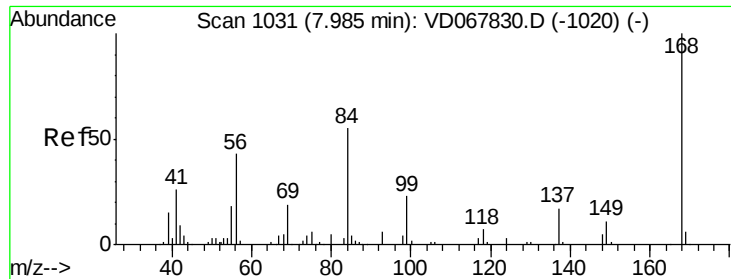
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120920\
Data File : VD067927.D
Acq On : 09 Dec 2020 15:25
Operator : VA/SY
Sample : L5008-02
Misc : 5.02G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-1A

Quant Time: Dec 10 03:47:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

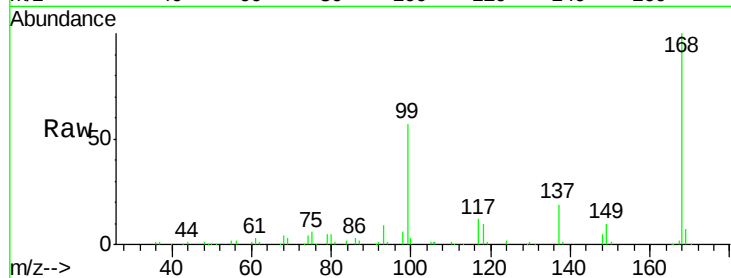
S-1A

Tot Ion:168 Resp: 232159

Ion Ratio Lower Upper

168 100

99 56.7 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

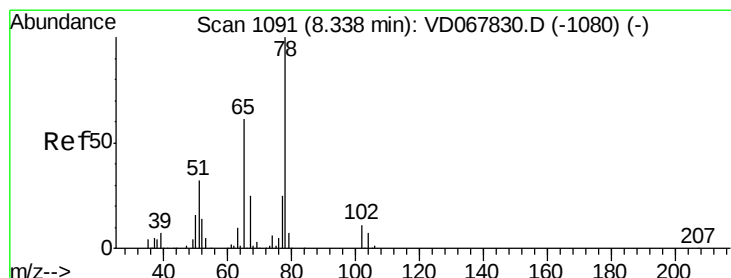
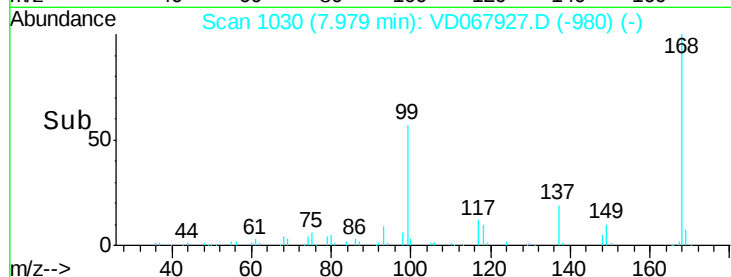
40000

20000

0

Time-->

7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 42.469 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067927.D

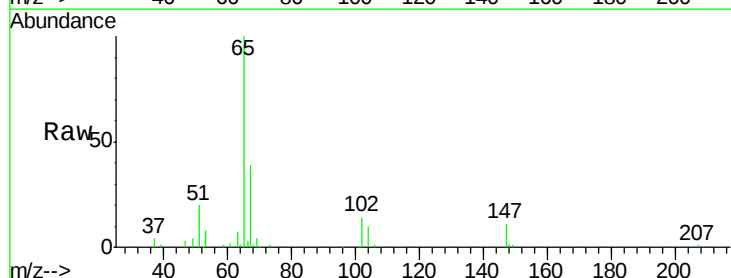
Acq: 09 Dec 2020 15:25

Tgt Ion: 65 Resp: 105847

Ion Ratio Lower Upper

65 100

67 43.9 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

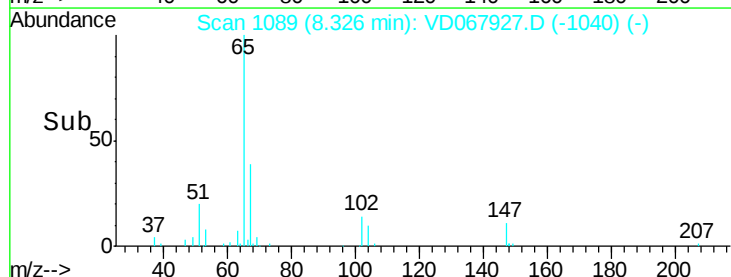
20000

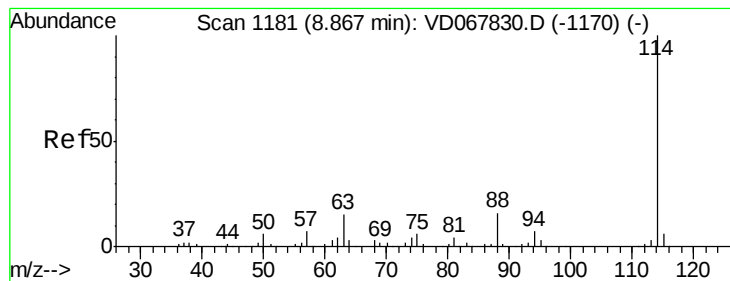
10000

0

Time-->

8.25 8.30 8.35 8.40 8.45





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

S-1A

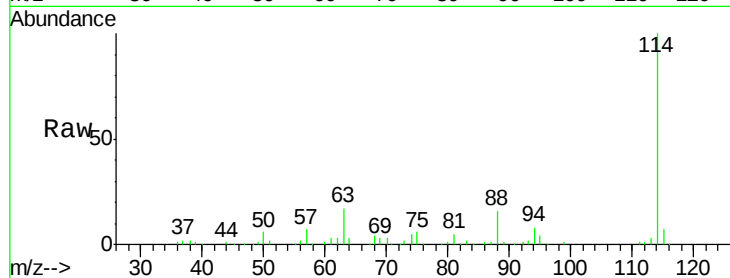
Tot Ion:114 Resp: 318971

Ion Ratio Lower Upper

114 100

63 16.7 0.0 30.8

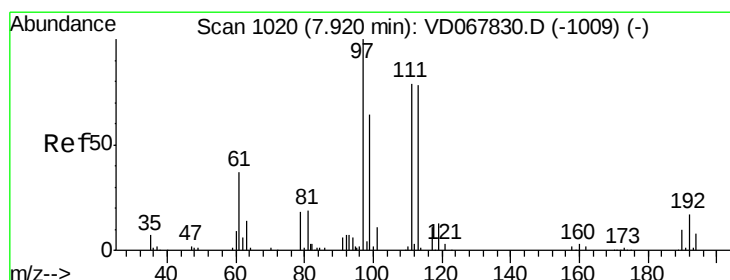
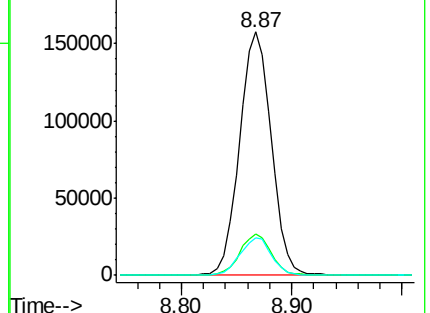
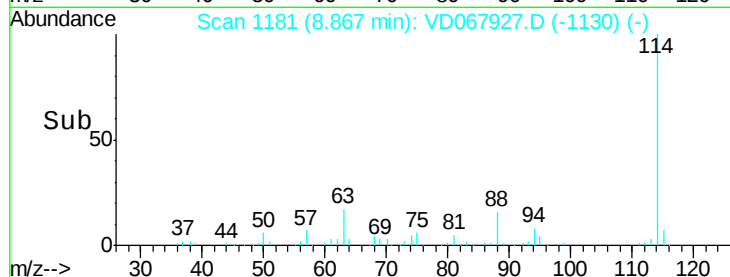
88 15.5 0.0 31.8



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: 43.987 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

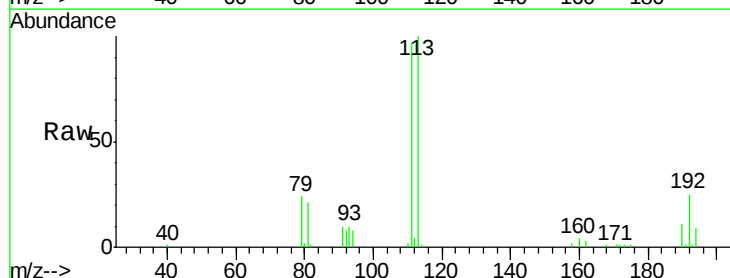
Tgt Ion:113 Resp: 93885

Ion Ratio Lower Upper

113 100

111 100.3 81.2 121.8

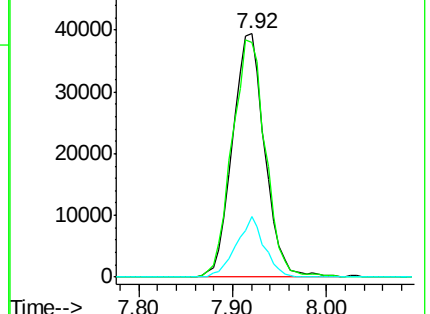
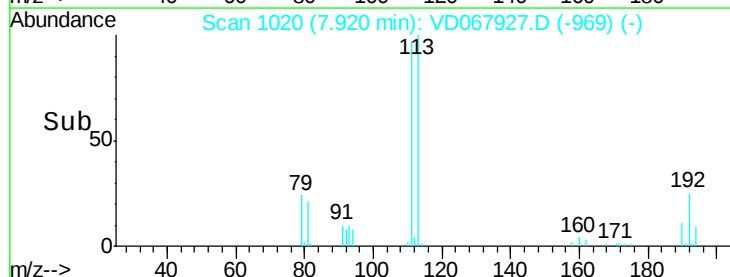
192 21.4 16.8 25.2

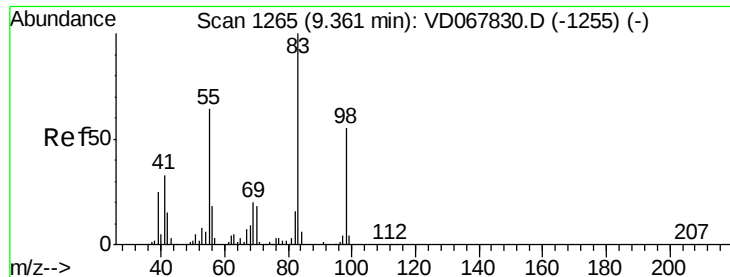


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

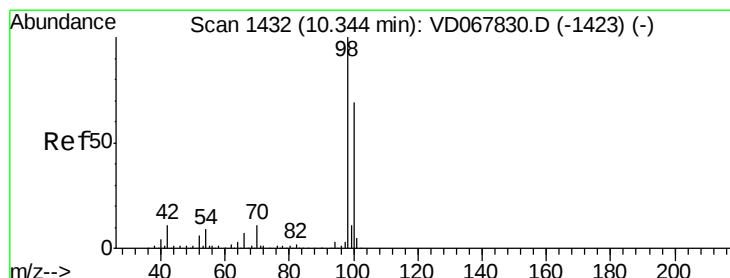
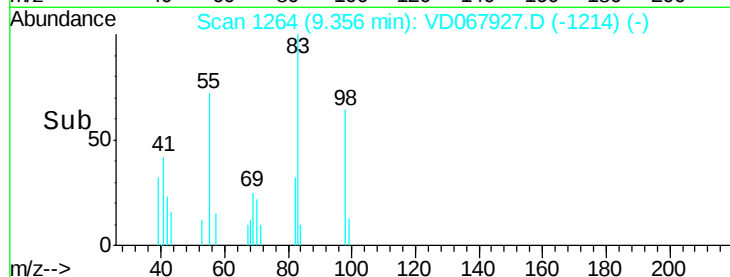
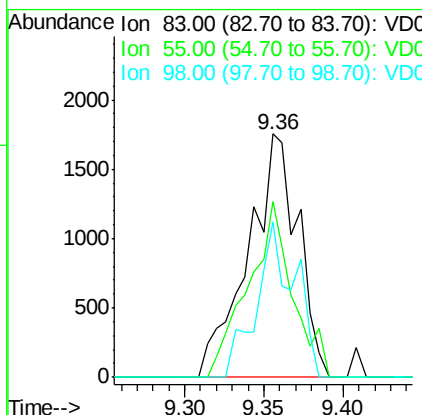
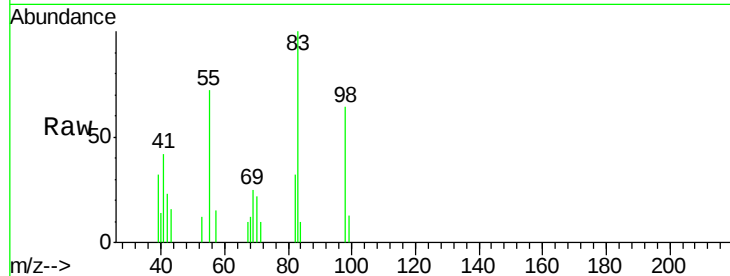




#39
Methvlcvclohexane
Concen: 1.177 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067927.D
Acq: 09 Dec 2020 15:25

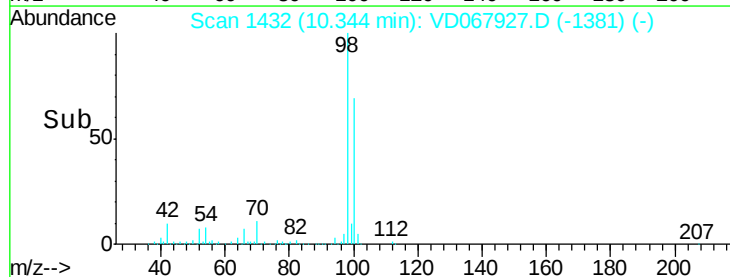
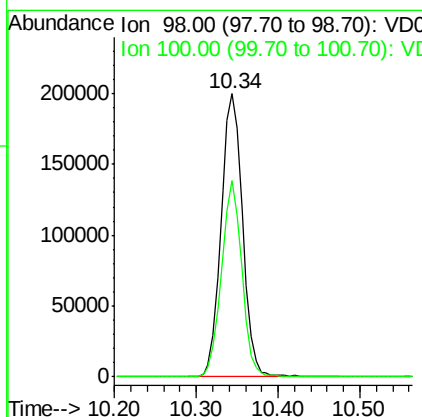
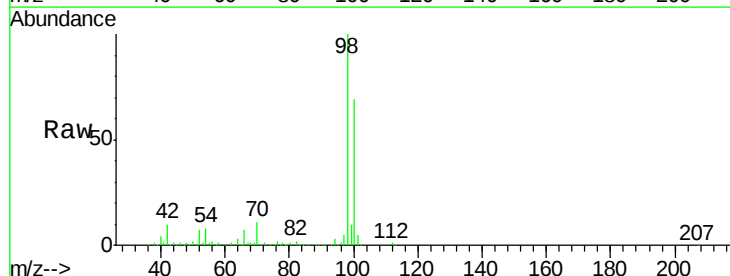
Instrument :
MSVOA_D
ClientSampleId :
S-1A

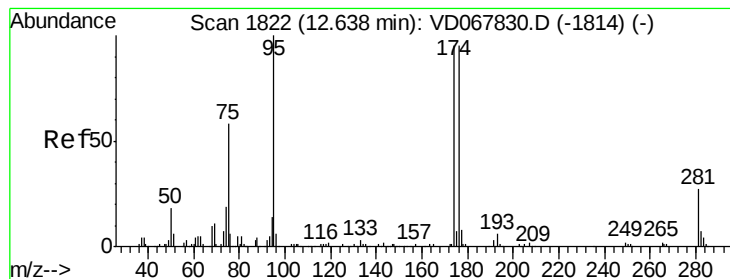
Tot Ion: 83 Resp: 3853
Ion Ratio Lower Upper
83 100
55 72.0 51.6 77.4
98 63.9 44.3 66.5



#50
Toluene-d8
Concen: 47.535 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067927.D
Acq: 09 Dec 2020 15:25

Tgt Ion: 98 Resp: 365226
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 40.819 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

S-1A

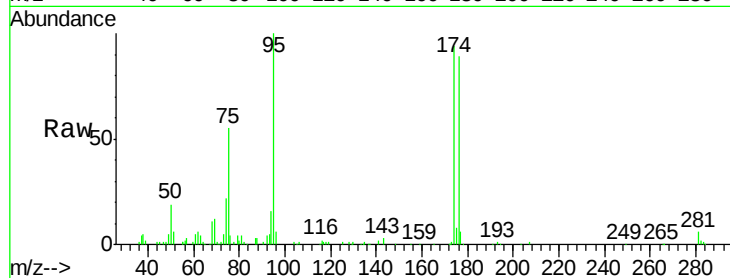
Tot Ion: 95 Resp: 108429

Ion Ratio Lower Upper

95 100

174 95.4 0.0 186.0

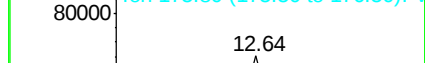
176 93.3 0.0 184.2



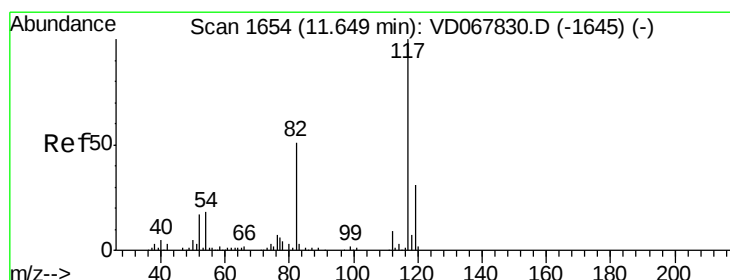
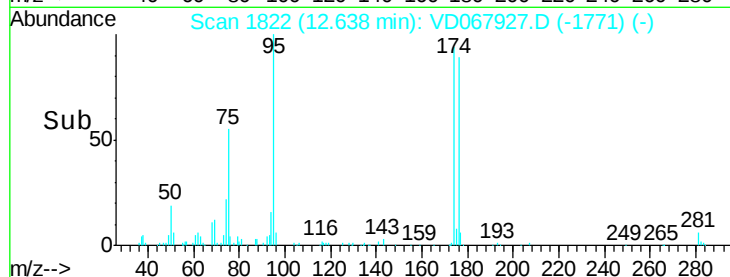
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.55 12.60 12.65 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

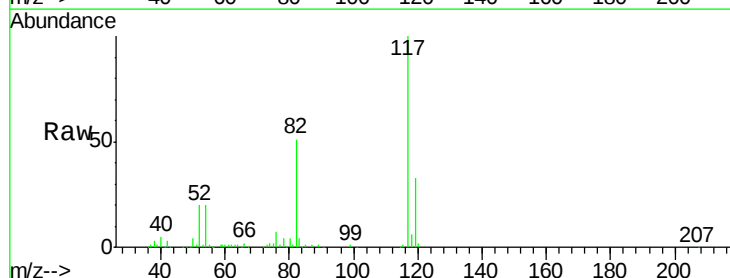
Tgt Ion: 117 Resp: 270756

Ion Ratio Lower Upper

117 100

82 51.3 40.6 60.8

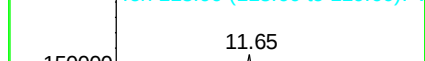
119 32.8 25.1 37.7



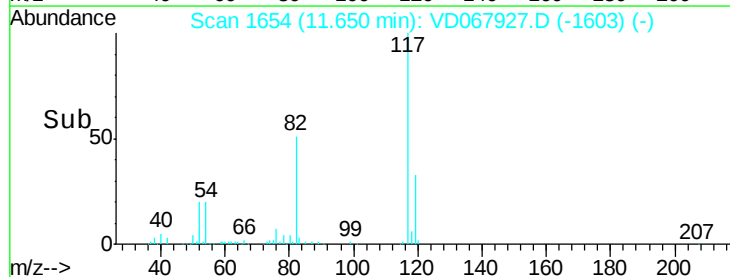
Abundance Ion 116.90 (116.60 to 117.60): V

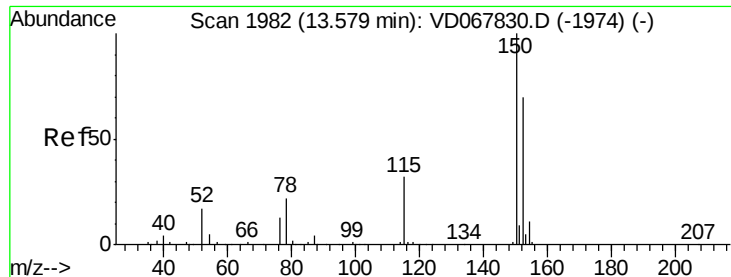
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time--> 11.60 11.70





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

S-1A

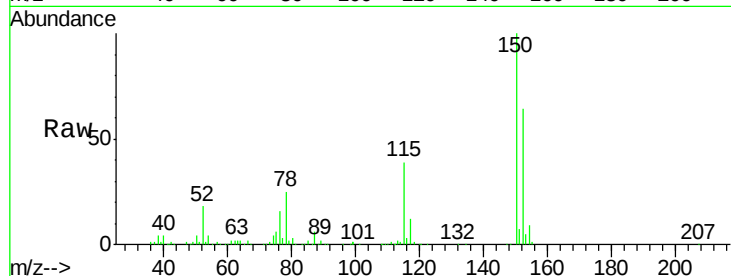
Tot Ion:152 Resp: 114122

Ion Ratio Lower Upper

152 100

115 61.0 29.1 87.4

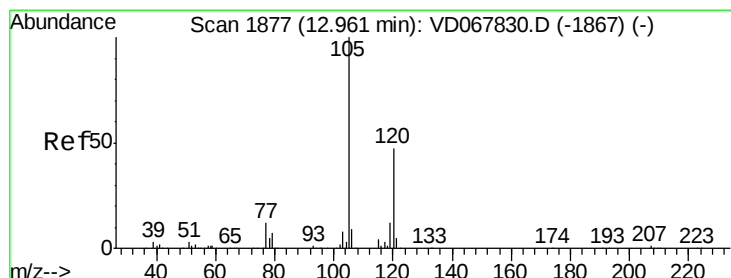
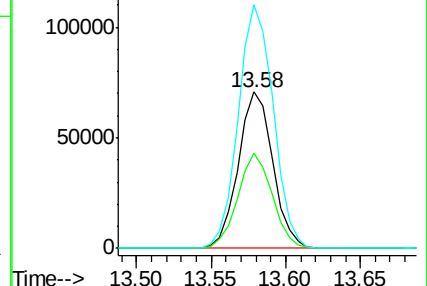
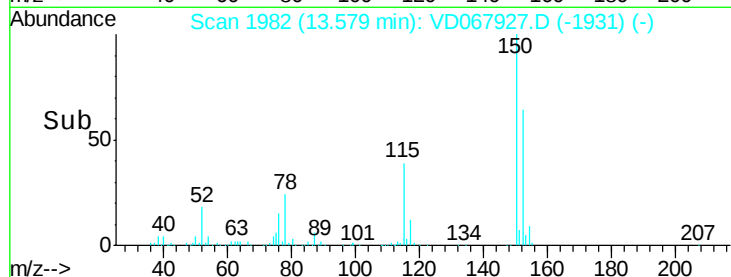
150 157.7 0.0 339.0



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



#80

1,3,5-Trimethylbenzene

Concen: 1.600 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067927.D

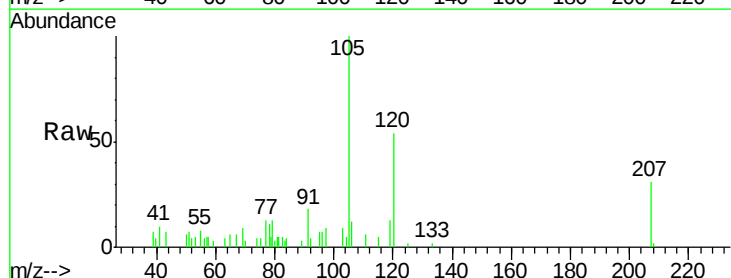
Acq: 09 Dec 2020 15:25

Tgt Ion:105 Resp: 10872

Ion Ratio Lower Upper

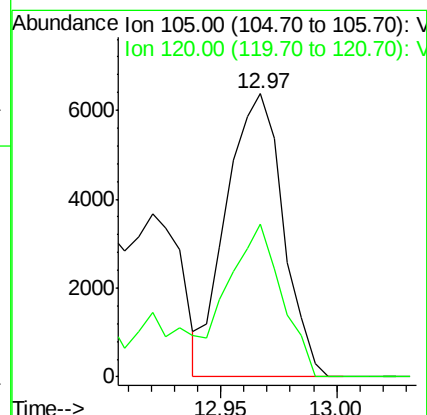
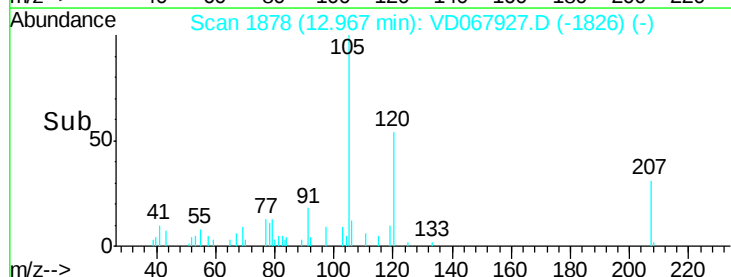
105 100

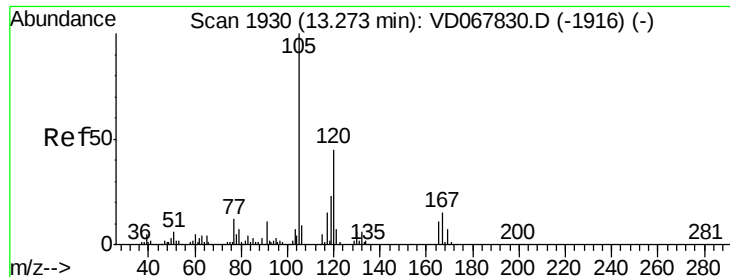
120 49.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.414 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD067927.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

S-1A

Tot Ion:105 Resp: 16310

Ion Ratio Lower Upper

105 100

120 47.3 22.1 66.5

