

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067800.D
 Acq On : 25 Nov 2020 21:09
 Operator : VA/SY
 Sample : L4903-06
 Misc : 6.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

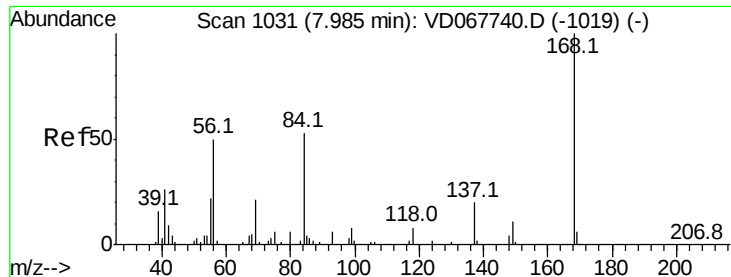
Quant Time: Nov 26 00:27:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	606919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	978109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	912263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	445137	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.34	65	316350	53.61	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.22%	
35) Dibromofluoromethane		7.92	113	302896	48.66	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.32%	
50) Toluene-d8		10.34	98	1103958	48.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.02%	
62) 4-Bromofluorobenzene		12.64	95	401571	51.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.24%	

Target Compounds		R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride		4.97	84	6774	Below Cal		94
31) Cyclohexane		7.98	56	12722	1.782	ug/l #	42
36) 1,1-Dichloropropene		7.98	75	41409	4.934	ug/l #	49
38) Carbon Tetrachloride		7.98	117	64310	5.286	ug/l #	16
51) 4-Methyl-2-Pentanone		10.35	43	4302	2.028	ug/l #	1
76) 1,2,3-Trichloropropane		12.64	75	226313	72.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten		12.64	75	226313	170.620	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

Instrument :

MSVOA_D

ClientSampled :

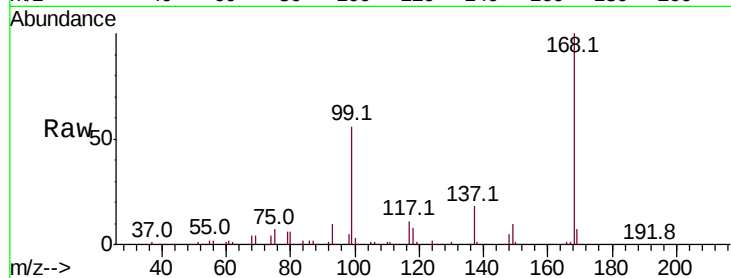
TP-3

Tot Ion:168 Resp: 606919

Ion Ratio Lower Upper

168 100

99 55.6 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

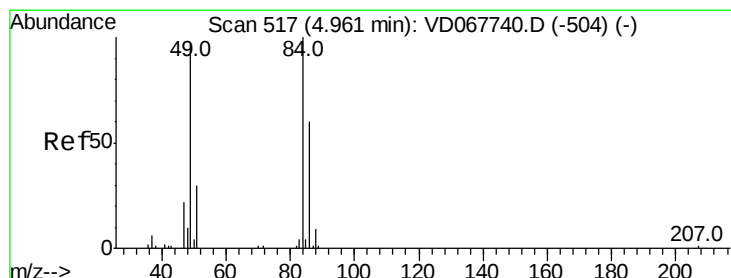
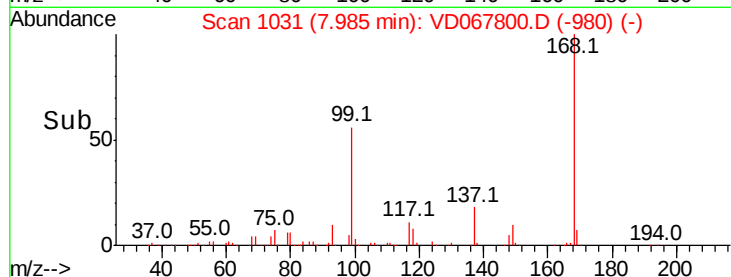
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

Tgt Ion: 84 Resp: 6774

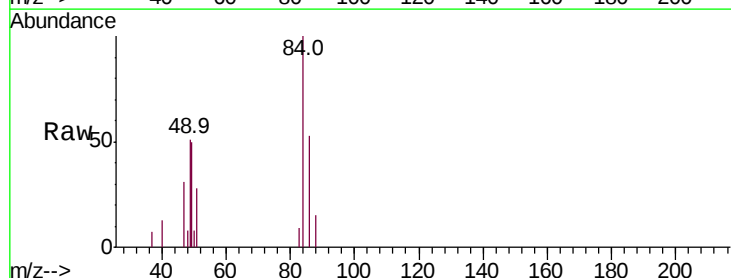
Ion Ratio Lower Upper

84 100

49 100.6 77.4 116.2

51 27.9 24.1 36.1

86 52.7 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

4000

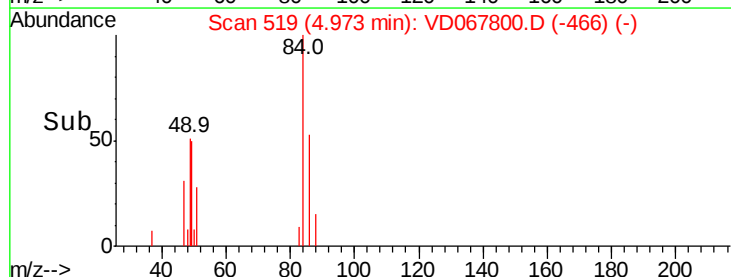
3000

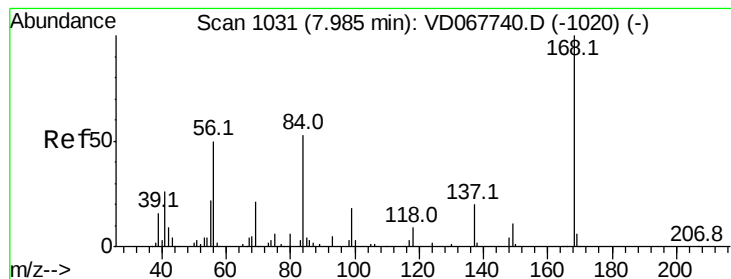
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 1.782 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

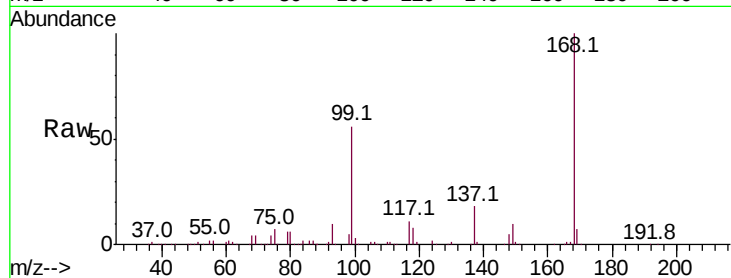
Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

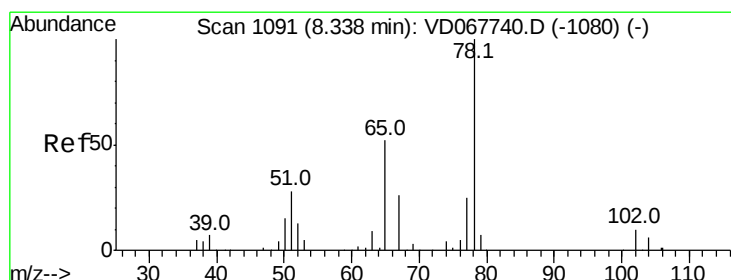
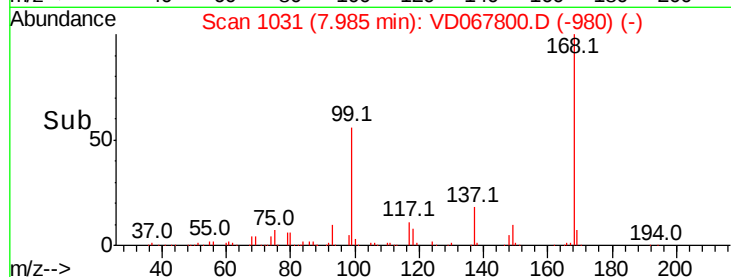
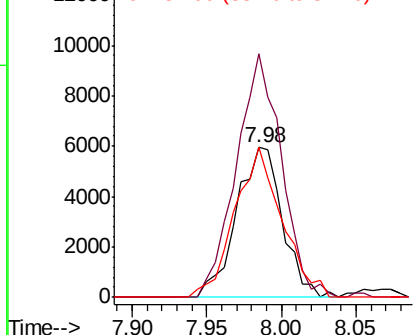
Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tot Ion: 56 Resp: 12722

Ion	Ratio	Lower	Upper
56	100		
69	162.4	33.2	49.8#
84	100.1	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: 53.608 ug/l

RT: 8.34 min Scan# 1091

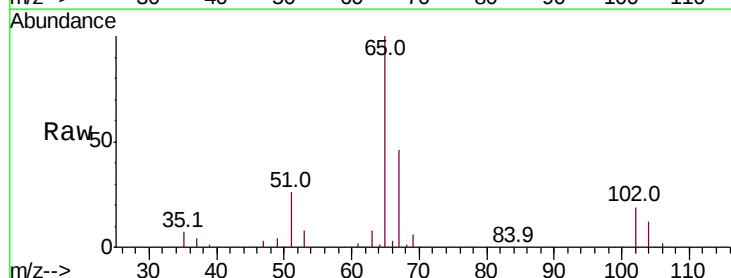
Delta R.T. 0.00 min

Lab File: VD067800.D

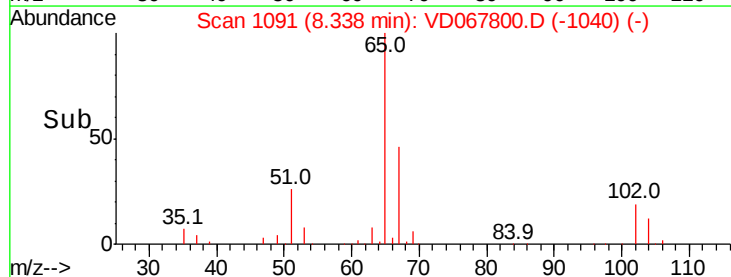
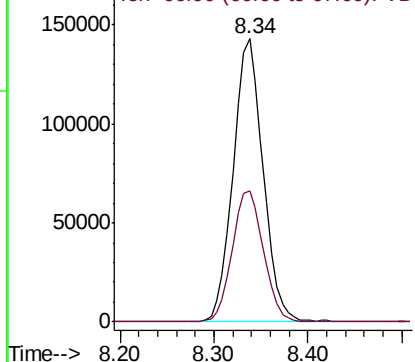
Acq: 25 Nov 2020 21:09

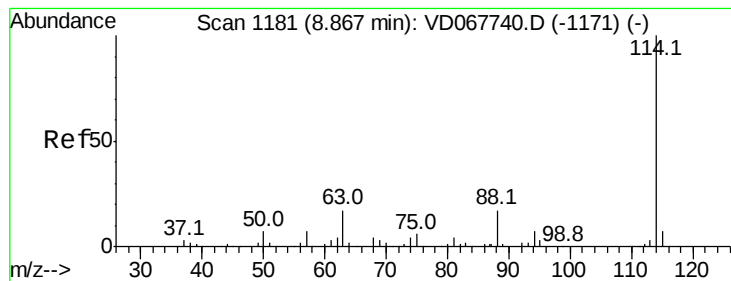
Tgt Ion: 65 Resp: 316350

Ion	Ratio	Lower	Upper
65	100		
67	48.2	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: VD067800.D

Acq: 25 Nov 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

TP-3

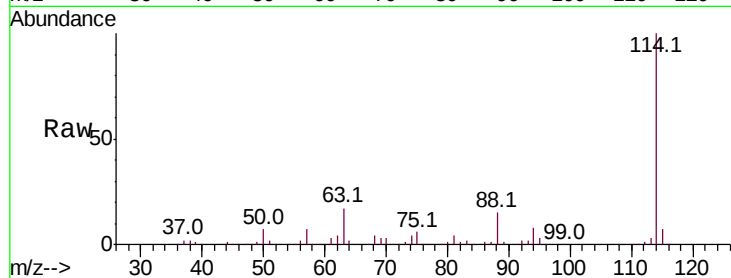
Tot Ion:114 Resp: 978109

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.8

88 15.0 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

600000

500000

400000

300000

200000

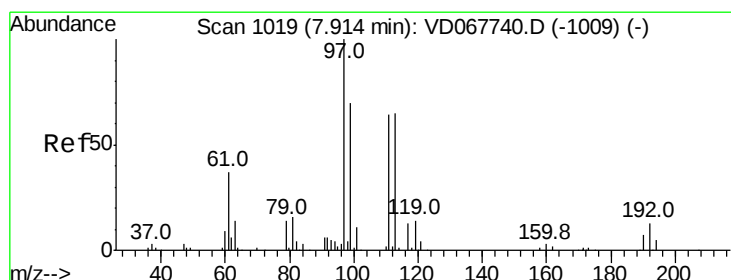
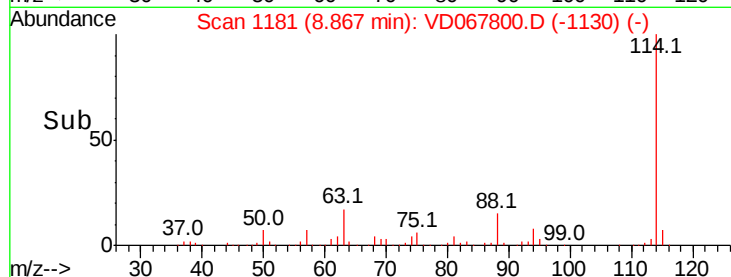
100000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 48.661 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

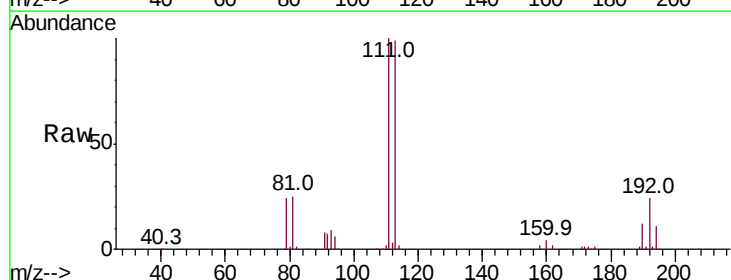
Tgt Ion:113 Resp: 302896

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 21.9 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

150000

100000

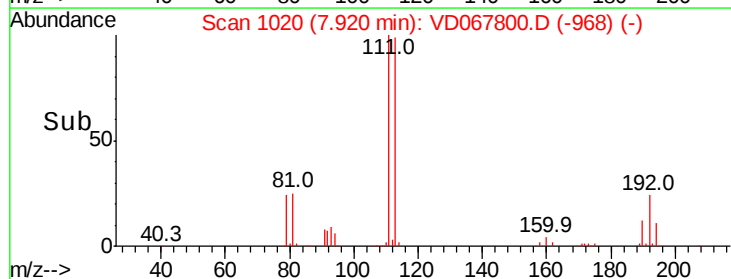
50000

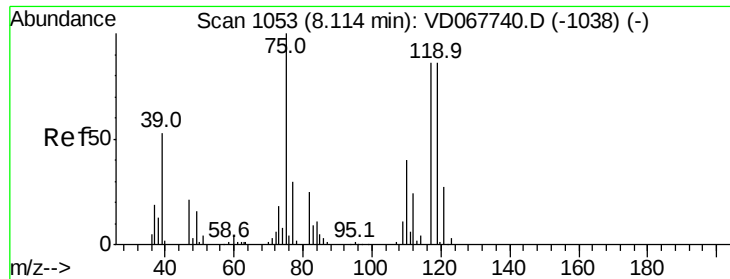
0

7.92

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.934 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
TP-3

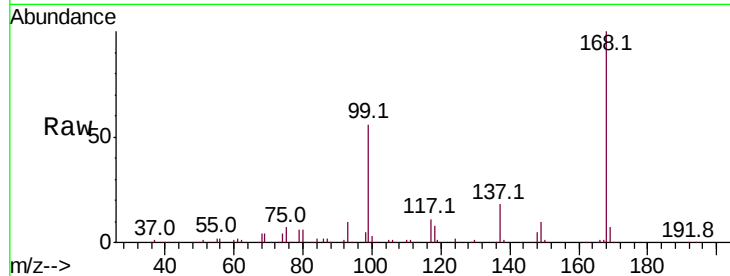
Tot Ion: 75 Resp: 41409

Ion Ratio Lower Upper

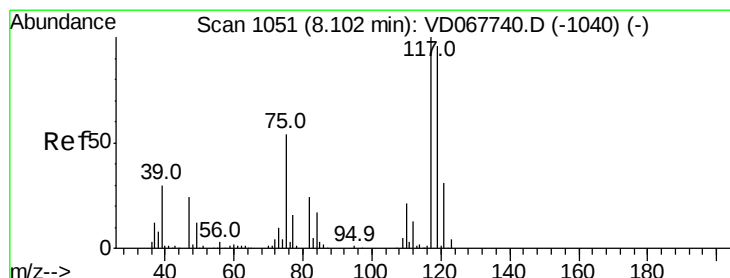
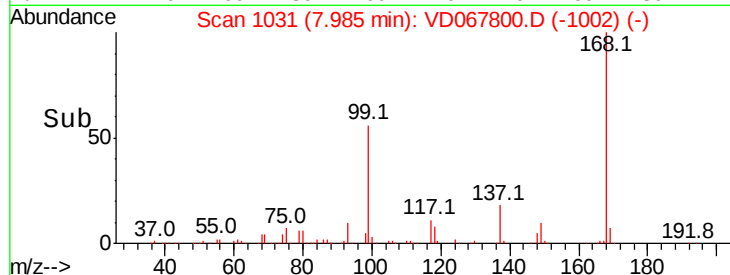
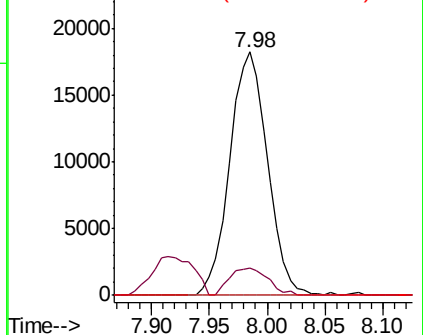
75 100

110 11.5 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



#38

Carbon Tetrachloride

Concen: 5.286 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

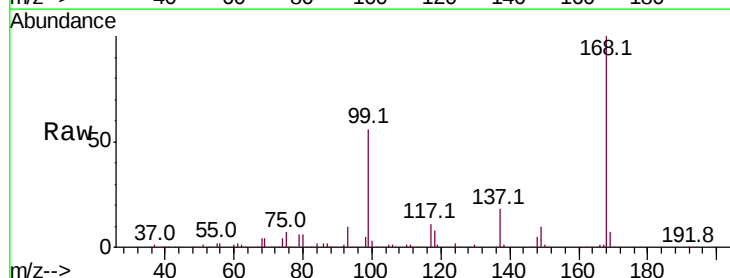
Tgt Ion: 117 Resp: 64310

Ion Ratio Lower Upper

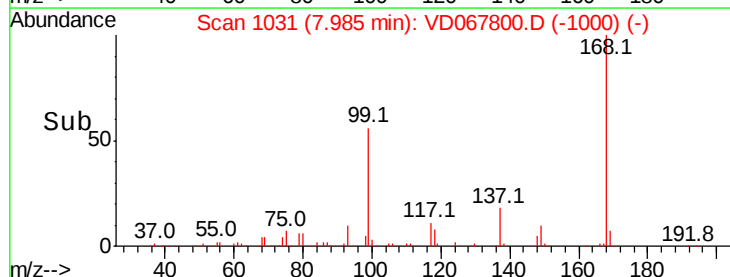
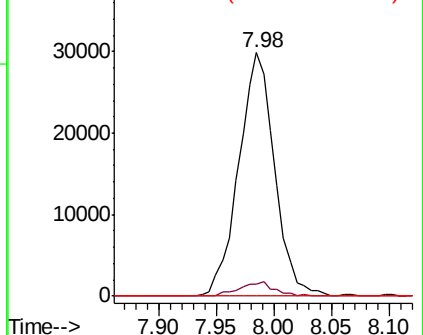
117 100

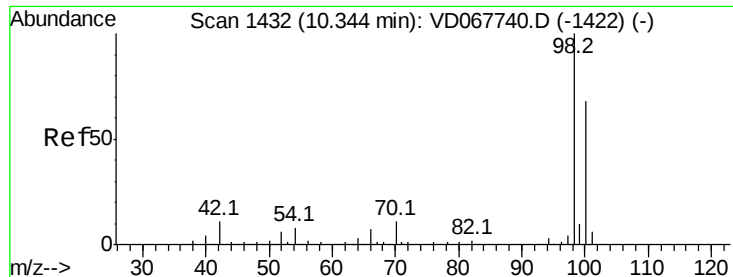
119 4.7 76.6 115.0#

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

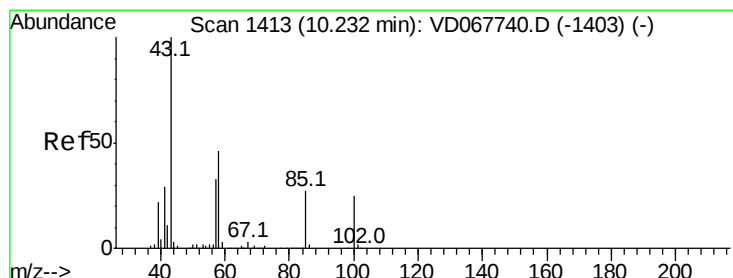
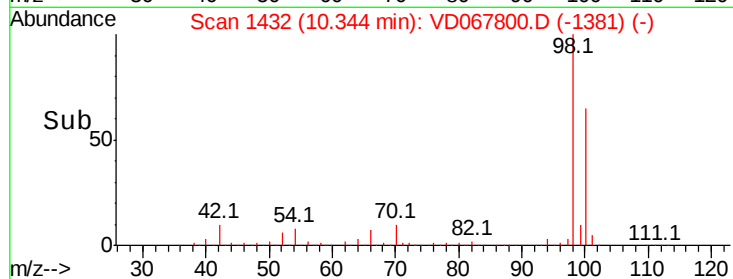
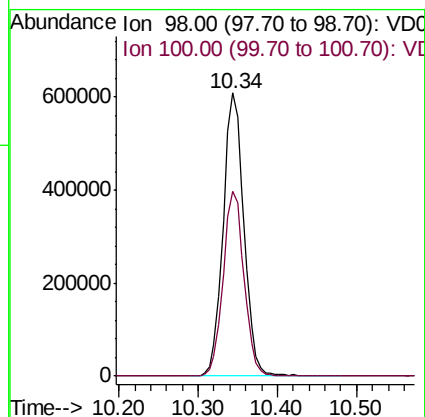
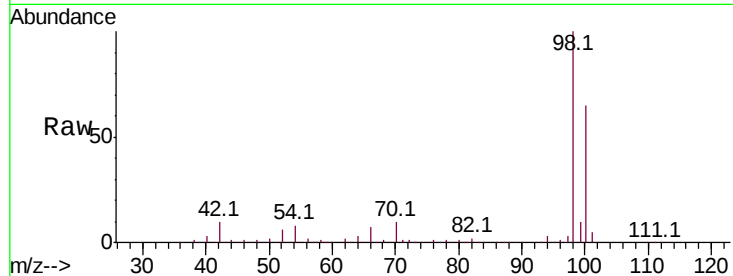




#50
Toluene-d8
Concen: 48.509 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067800.D
Acq: 25 Nov 2020 21:09

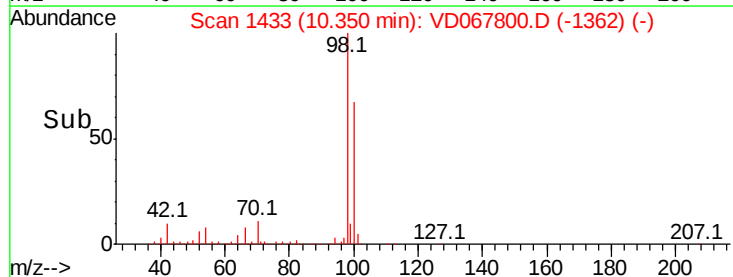
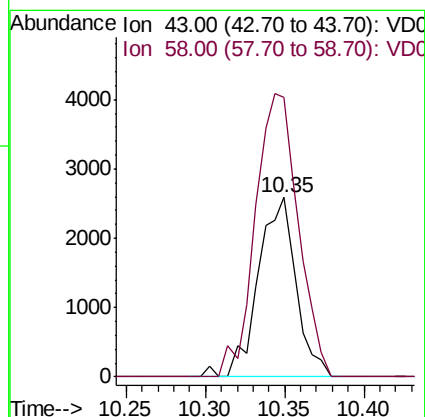
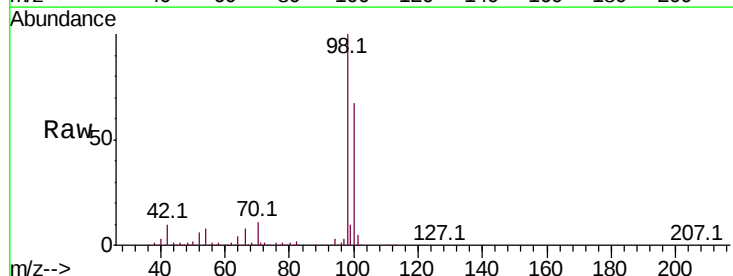
Instrument :
MSVOA_D
ClientSampleId :
TP-3

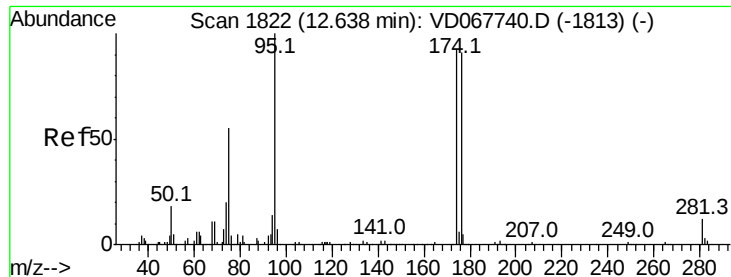
Tot Ion: 98 Resp: 1103958
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 2.028 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067800.D
Acq: 25 Nov 2020 21:09

Tgt Ion: 43 Resp: 4302
Ion Ratio Lower Upper
43 100
58 179.0 34.7 52.1#

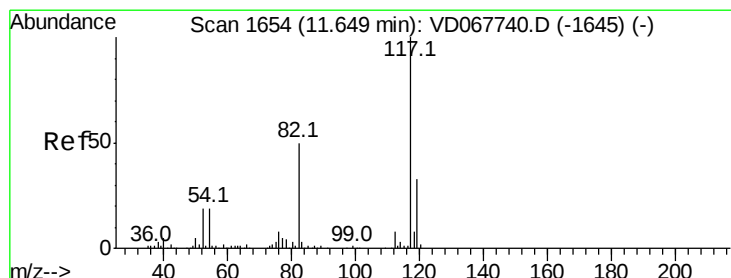
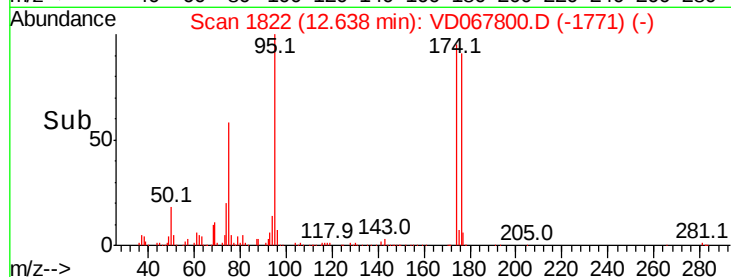
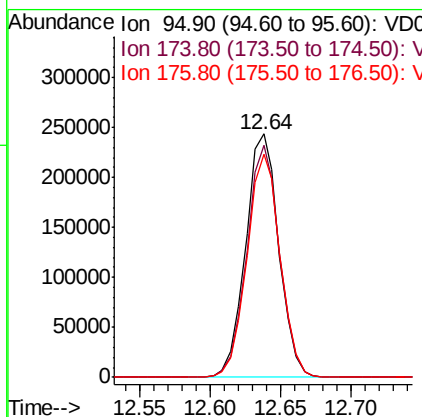
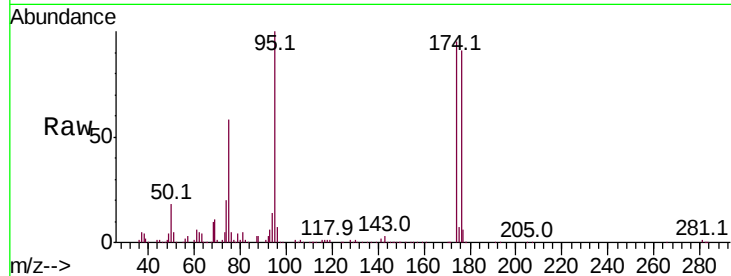




#62
4-Bromofluorobenzene
Concen: 51.624 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067800.D
Acq: 25 Nov 2020 21:09

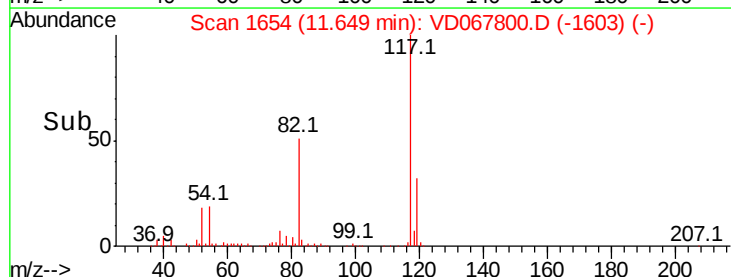
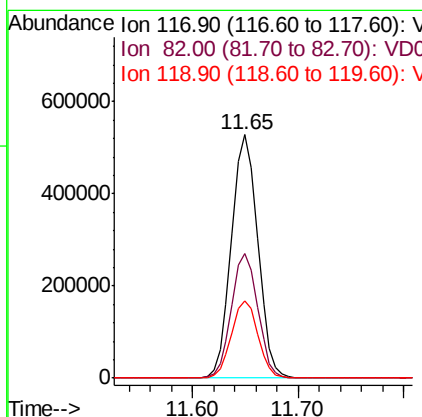
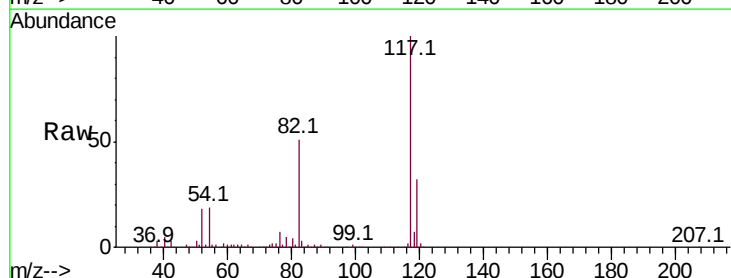
Instrument :
MSVOA_D
ClientSampleId :
TP-3

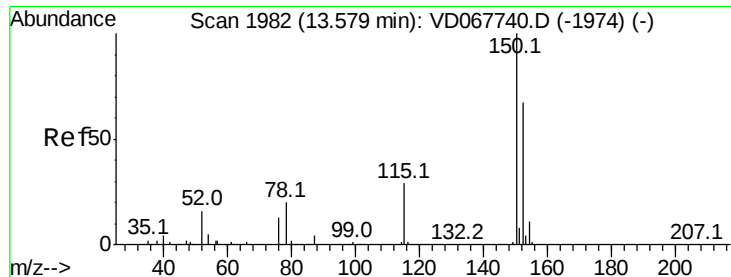
Tot Ion: 95 Resp: 401571
Ion Ratio Lower Upper
95 100
174 93.8 0.0 182.4
176 91.3 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067800.D
Acq: 25 Nov 2020 21:09

Tgt Ion: 117 Resp: 912263
Ion Ratio Lower Upper
117 100
82 51.2 40.2 60.4
119 31.9 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: VD067800.D

Acq: 25 Nov 2020 21:09

Instrument :

MSVOA_D

ClientSampleID :

TP-3

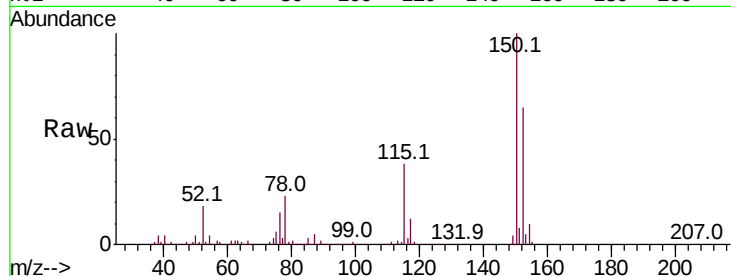
Tot Ion:152 Resp: 445137

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.3

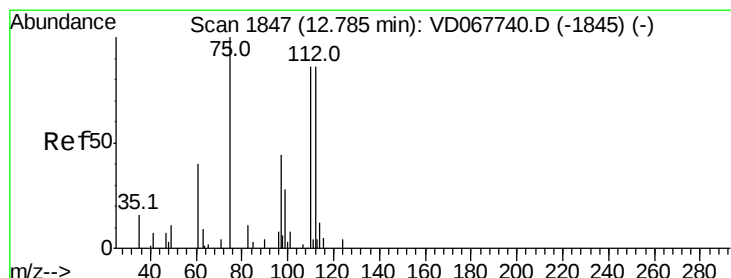
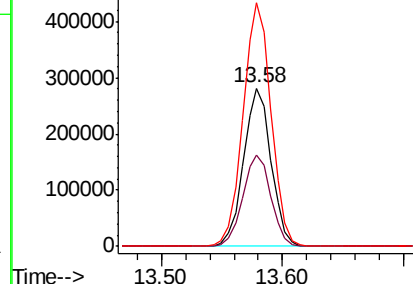
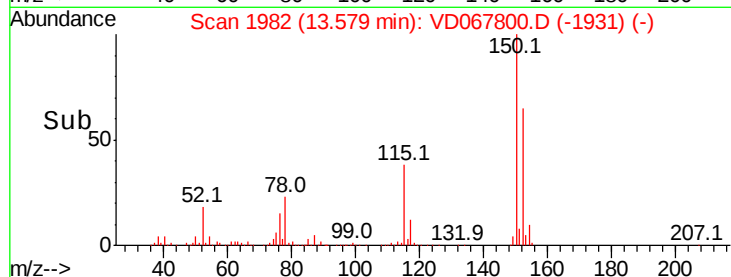
150 156.6 0.0 340.6



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: 72.948 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067800.D

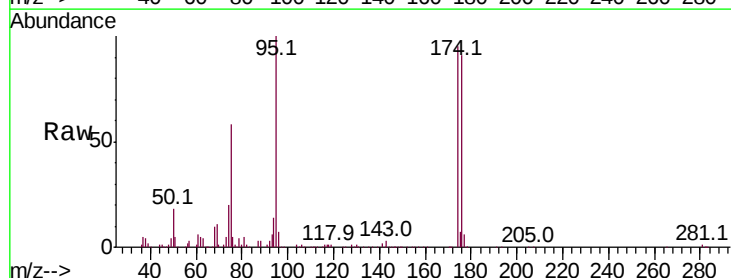
Acq: 25 Nov 2020 21:09

Tgt Ion: 75 Resp: 226313

Ion Ratio Lower Upper

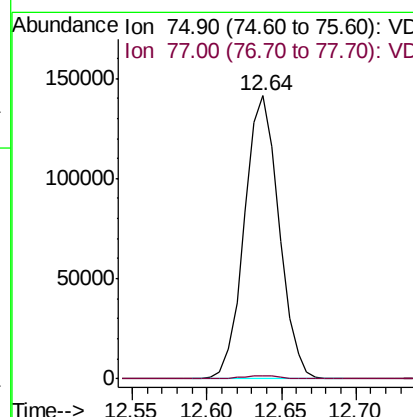
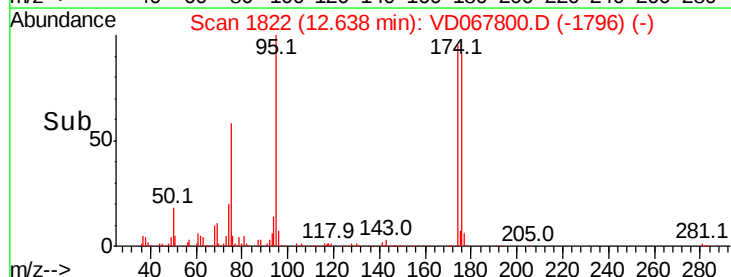
75 100

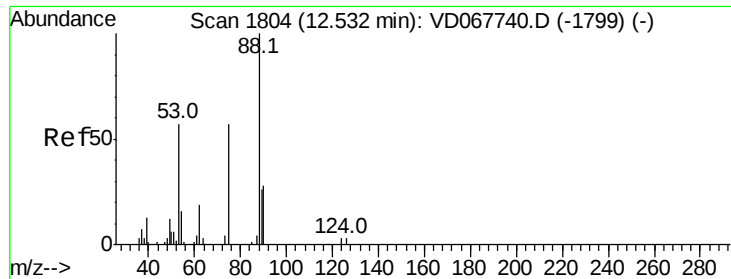
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 170.620 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067800.D

Acq: 25 Nov 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

TP-3

Tot Ion: 75 Resp: 226313

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.1 40.2 60.4#

