

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067822.D
 Acq On : 30 Nov 2020 18:49
 Operator : VA/SY
 Sample : L4900-01
 Misc : 6.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B2-112520-0-1

Quant Time: Dec 01 00:18:40 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	175274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	241339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	101682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100511	58.98	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.96%
35) Dibromofluoromethane	7.92	113	66170	38.42	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.84%
50) Toluene-d8	10.34	98	290042	46.06	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.12%
62) 4-Bromofluorobenzene	12.64	95	85733	39.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.66%

Target Compounds

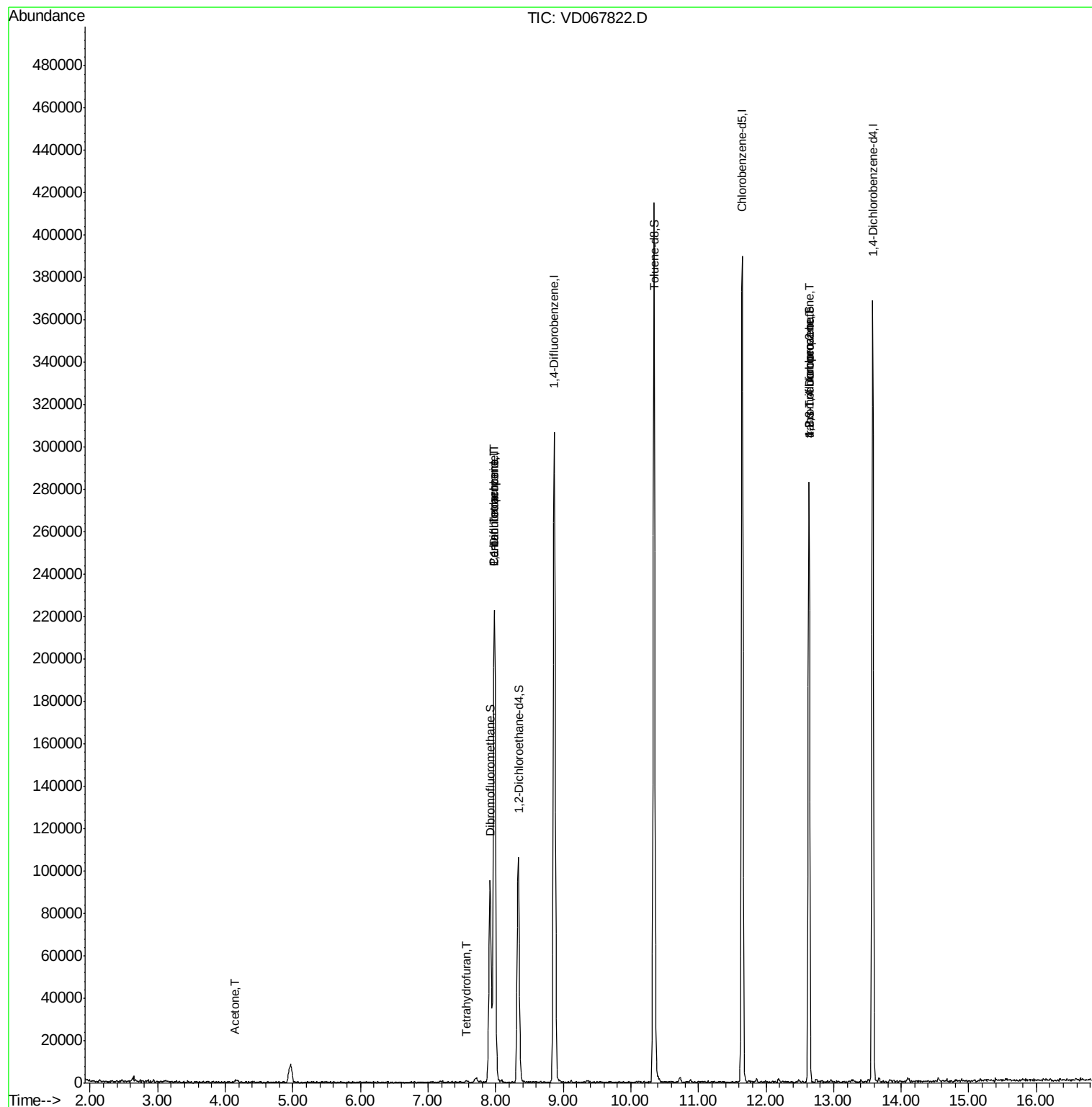
					Qvalue
11) Tert butyl alcohol	5.24	59	58	Below Cal	# 87
16) Acetone	4.14	43	1018	4.624	ug/l 92
20) Methylene Chloride	4.96	84	8140	Below Cal	# 79
29) Tetrahydrofuran	7.56	42	513	3.652	ug/l # 60
36) 1,1-Dichloropropene	7.99	75	11927	5.136	ug/l # 52
38) Carbon Tetrachloride	7.99	117	18173	5.398	ug/l # 16
76) 1,2,3-Trichloropropane	12.64	75	46058	64.992	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	46058	152.011	ug/l # 11

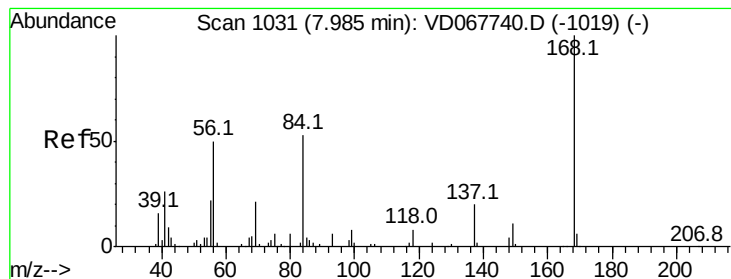
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PAV-B2-112520-0-1

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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# 1030

Delta R.T. -0.01 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

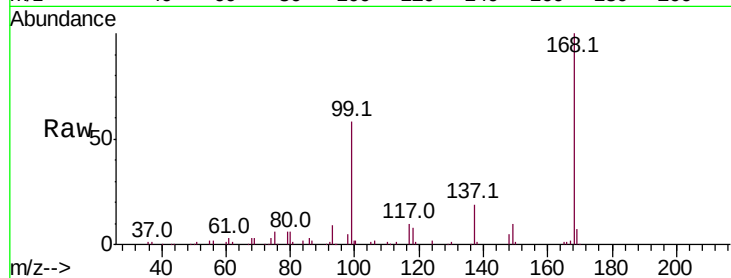
PAV-B2-112520-0-1

Tot Ion:168 Resp: 175274

Ion Ratio Lower Upper

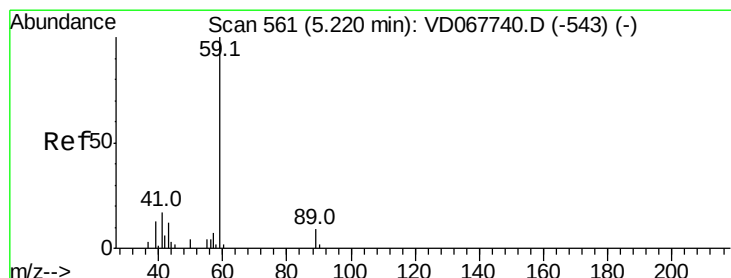
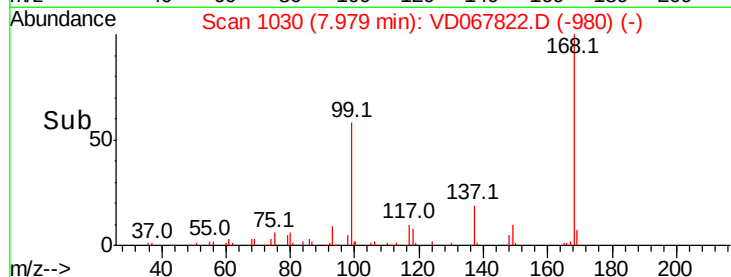
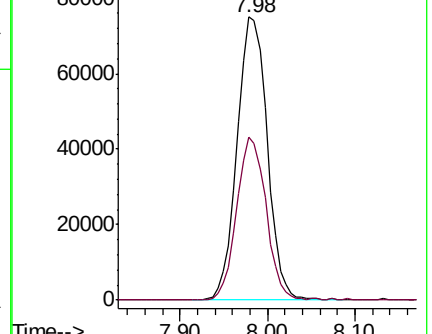
168 100

99 57.7 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: 5.24 min Scan# 565

Delta R.T. 0.02 min

Lab File: VD067822.D

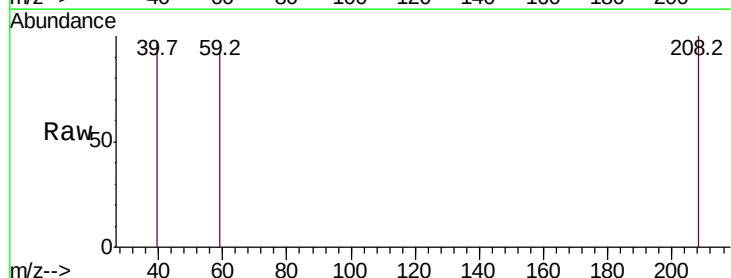
Acq: 30 Nov 2020 18:49

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

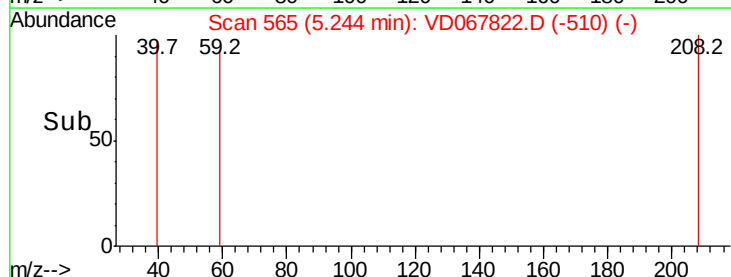
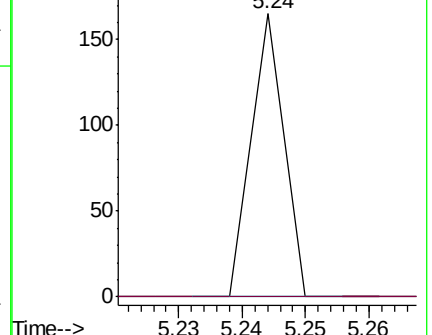
59 100

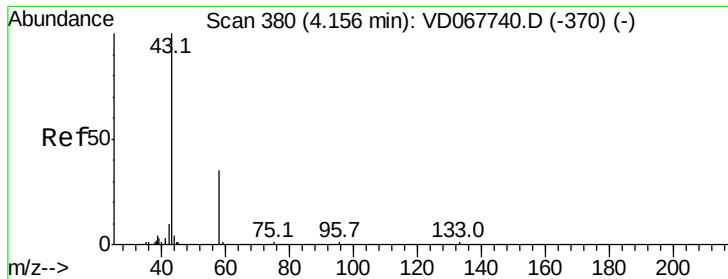
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.624 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

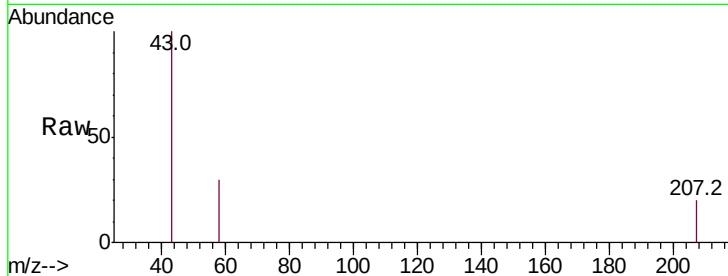
PAV-B2-112520-0-1

Tot Ion: 43 Resp: 1018

Ion Ratio Lower Upper

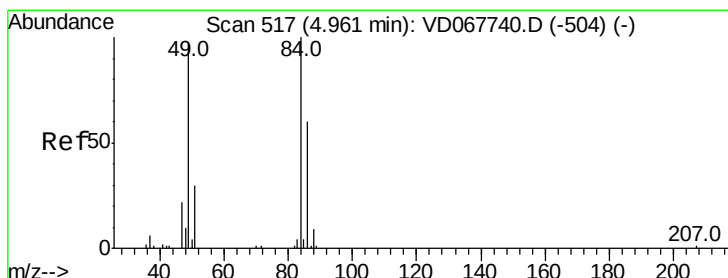
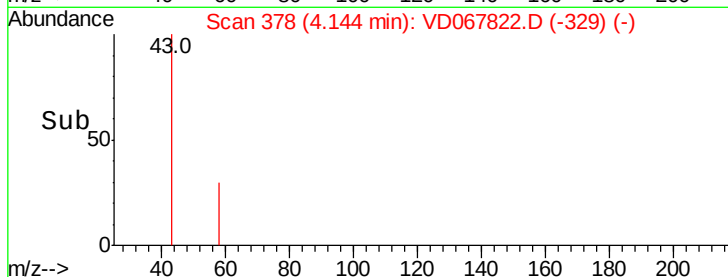
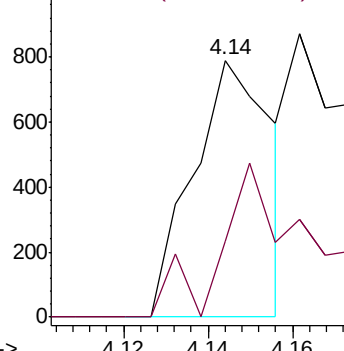
43 100

58 29.7 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: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Tgt Ion: 84 Resp: 8140

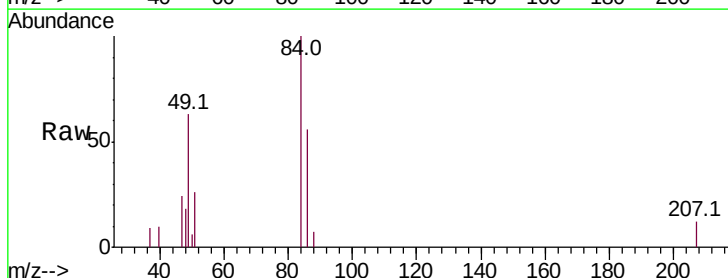
Ion Ratio Lower Upper

84 100

49 63.3 77.4 116.2#

51 26.1 24.1 36.1

86 55.8 48.2 72.2

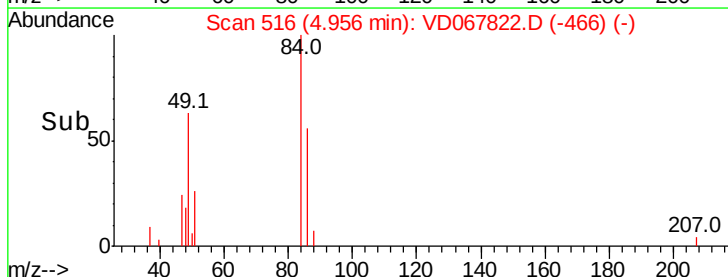
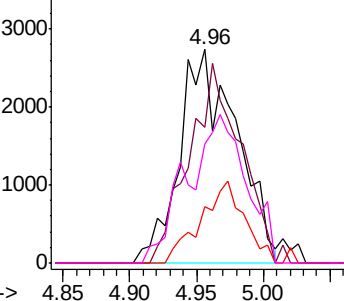


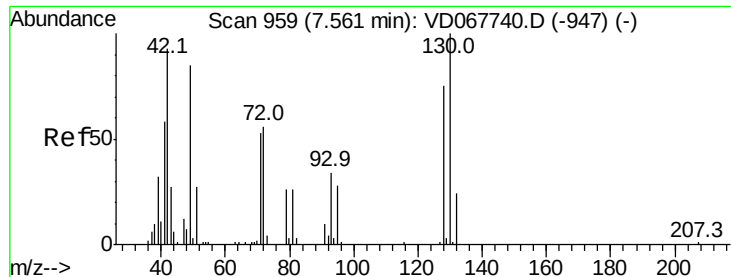
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

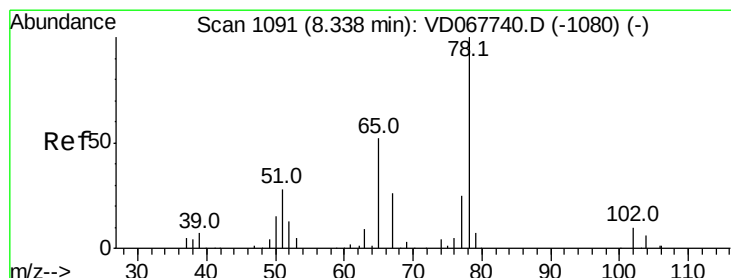
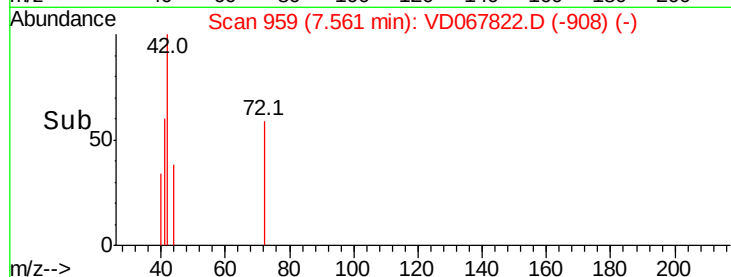
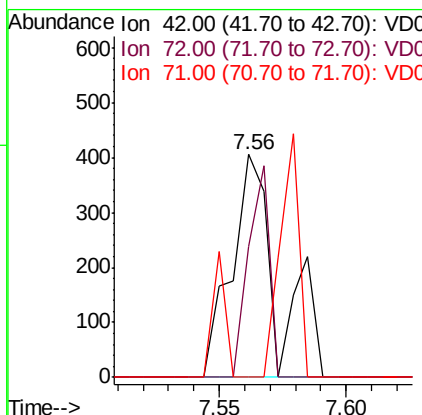
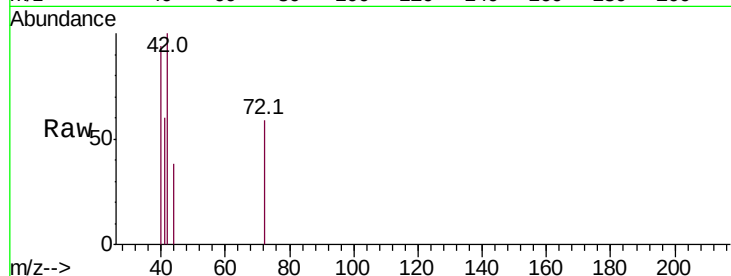




#29
Tetrahydrofuran
Concen: 3.652 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067822.D
Acq: 30 Nov 2020 18:49

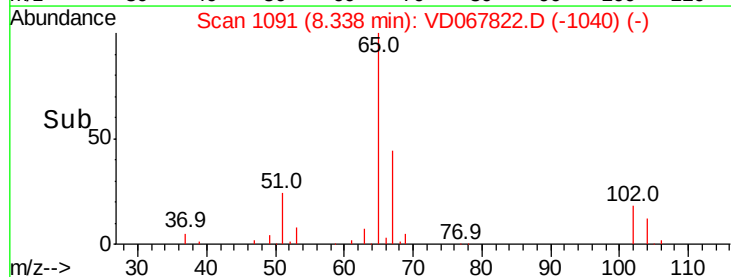
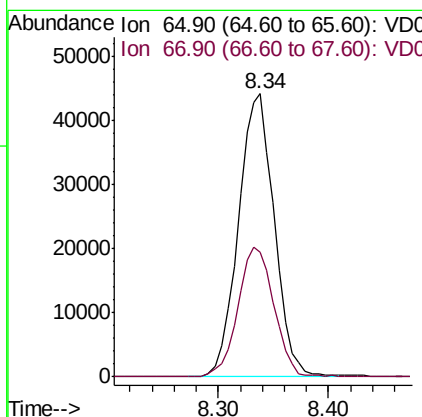
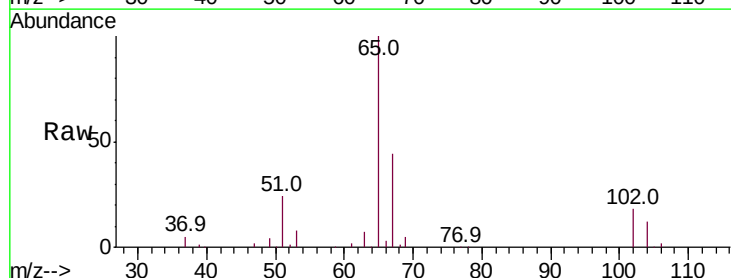
Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-0-1

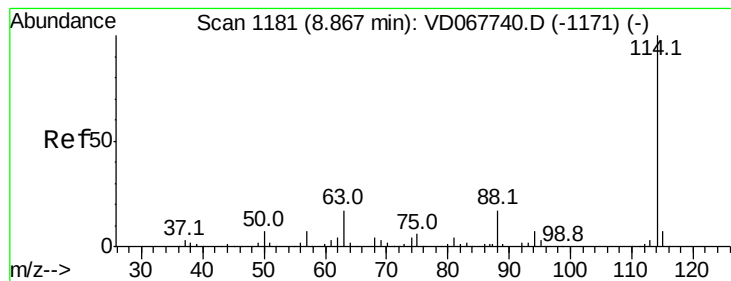
Tot Ion: 42 Resp: 513
Ion Ratio Lower Upper
42 100
72 43.1 49.3 73.9#
71 15.8 45.9 68.9#



#33
1,2-Dichloroethane-d4
Concen: 58.978 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067822.D
Acq: 30 Nov 2020 18:49

Tgt Ion: 65 Resp: 100511
Ion Ratio Lower Upper
65 100
67 46.2 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

PAV-B2-112520-0-1

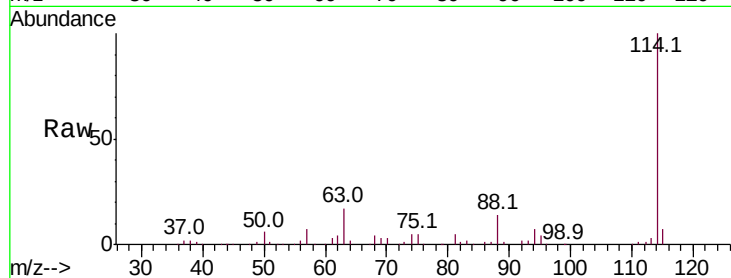
Tot Ion:114 Resp: 270633

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.8

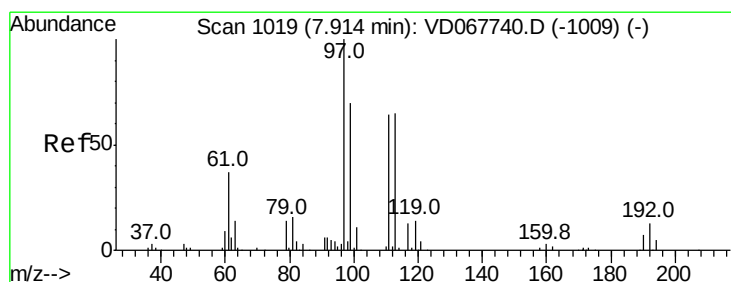
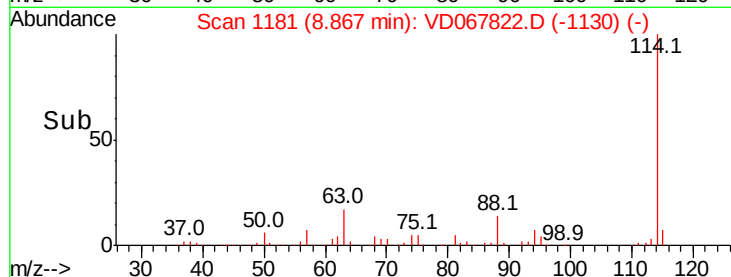
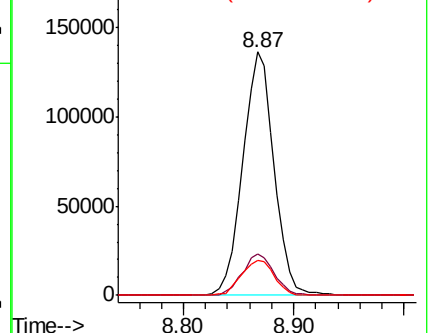
88 14.4 0.0 34.4



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: 38.419 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

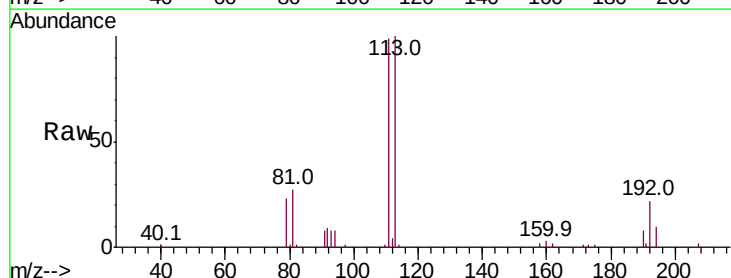
Tgt Ion:113 Resp: 66170

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

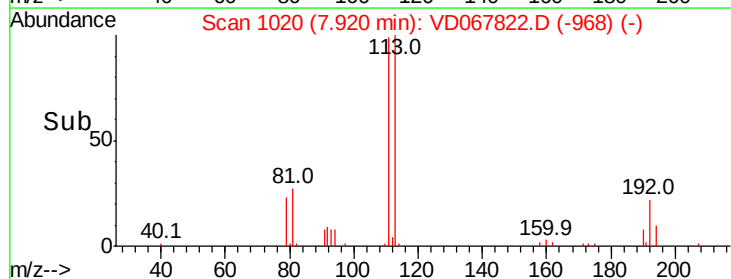
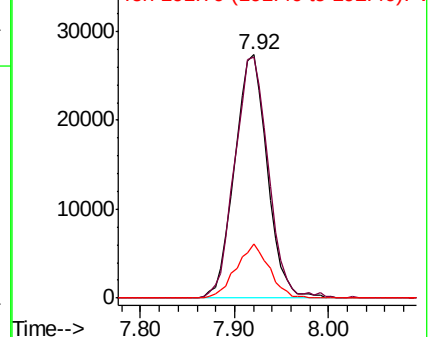
192 22.5 17.0 25.4

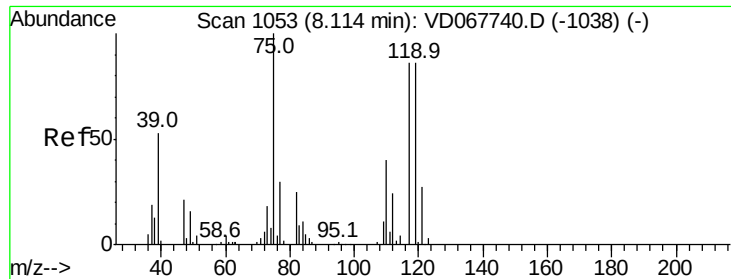


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.136 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

PAV-B2-112520-0-1

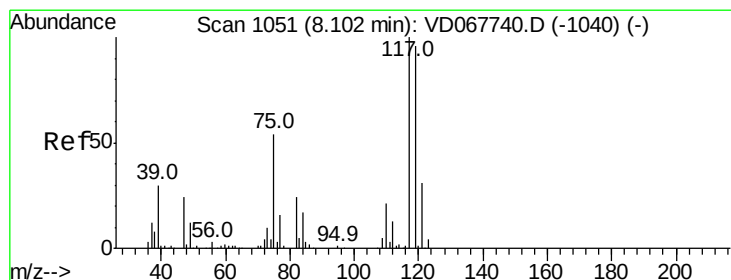
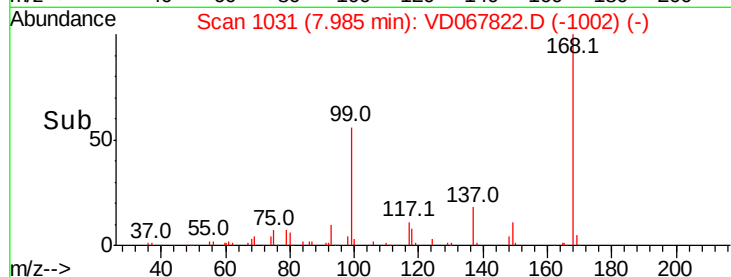
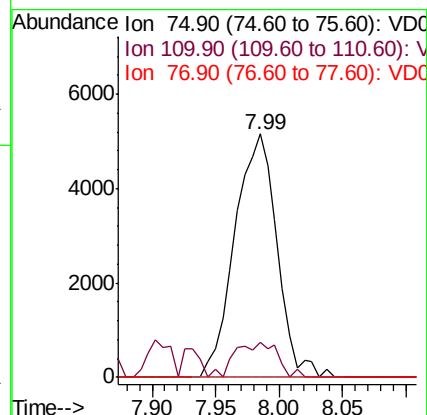
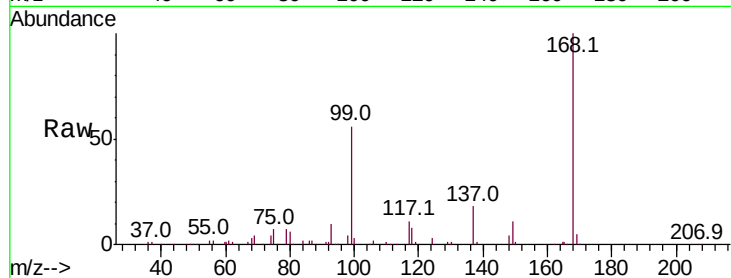
Tot Ion: 75 Resp: 11927

Ion Ratio Lower Upper

75 100

110 14.1 20.1 60.2#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.398 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

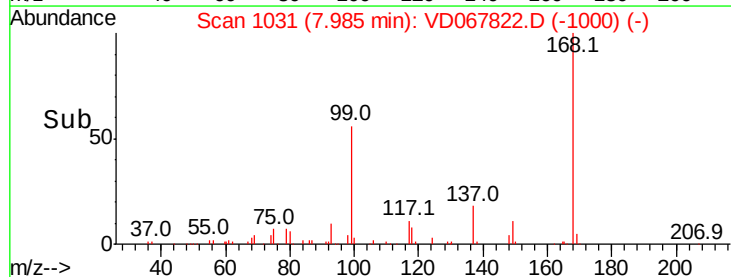
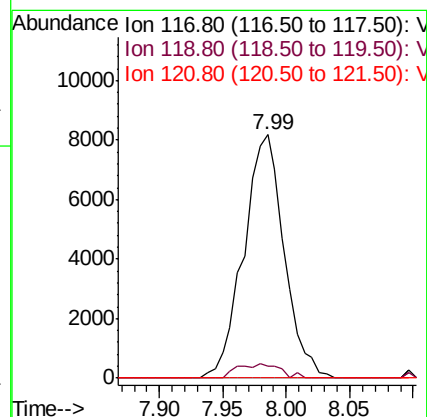
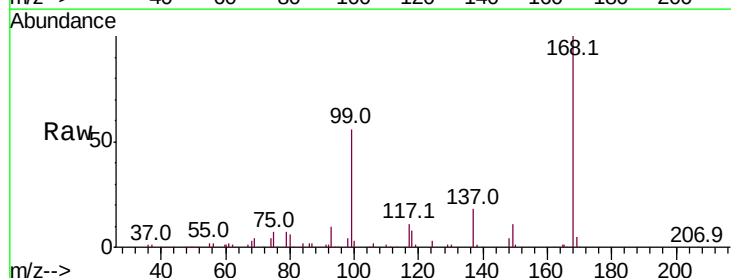
Tgt Ion: 117 Resp: 18173

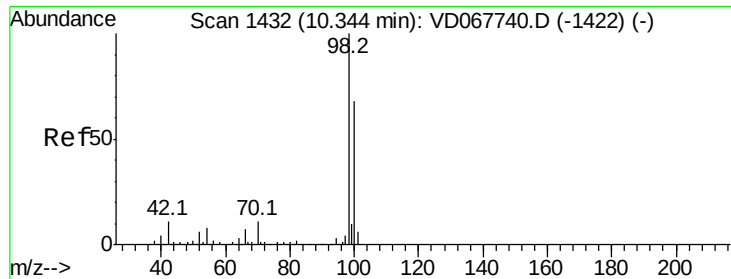
Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

121 0.0 24.5 36.7#

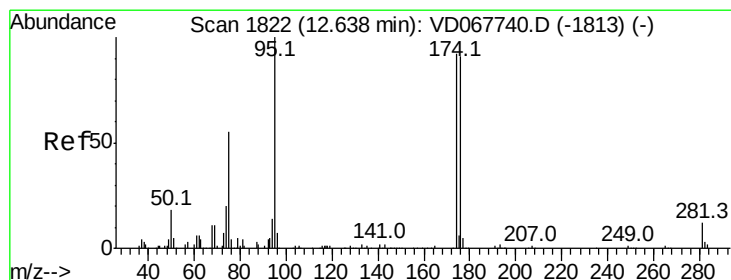
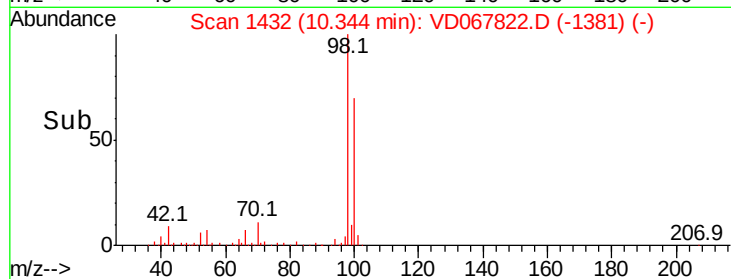
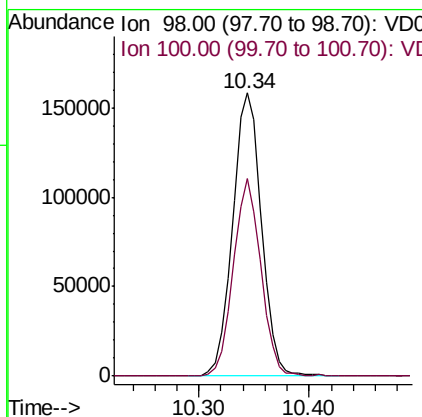
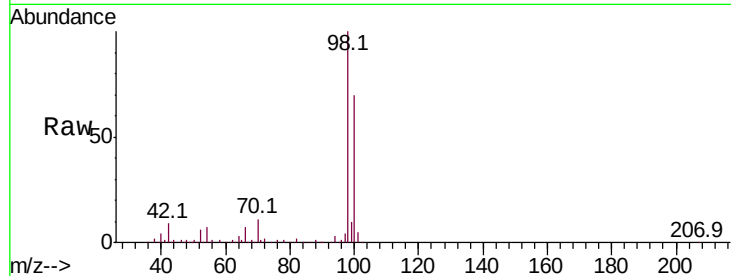




#50
Toluene-d8
Concen: 46.061 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067822.D
Acq: 30 Nov 2020 18:49

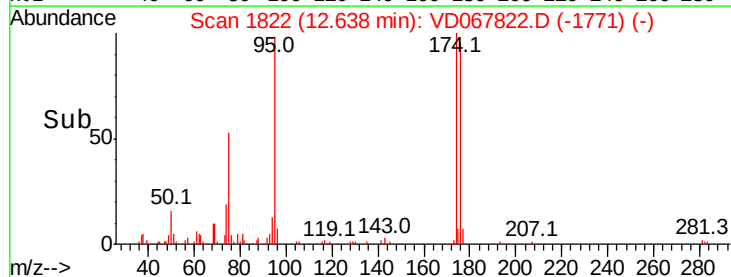
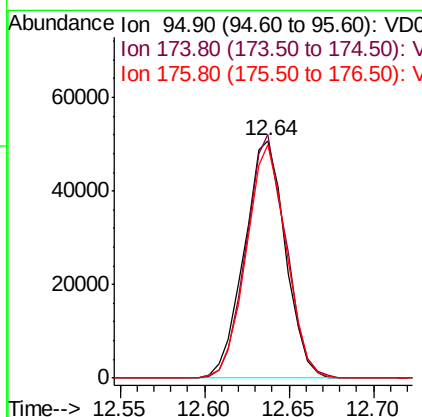
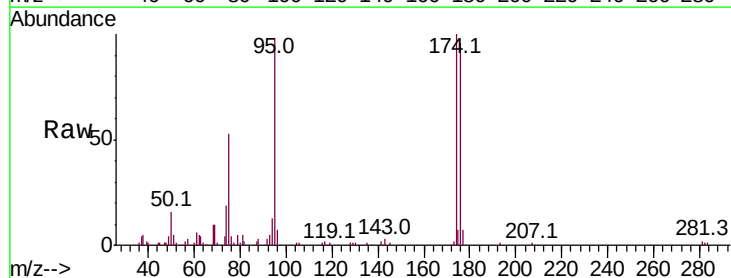
Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-0-1

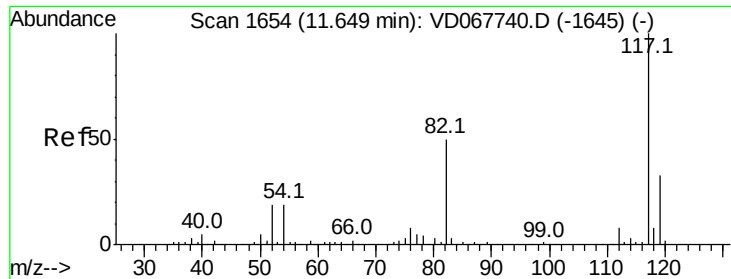
Tot Ion: 98 Resp: 290042
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 39.833 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067822.D
Acq: 30 Nov 2020 18:49

Tgt Ion: 95 Resp: 85733
Ion Ratio Lower Upper
95 100
174 98.8 0.0 182.4
176 95.8 0.0 178.2

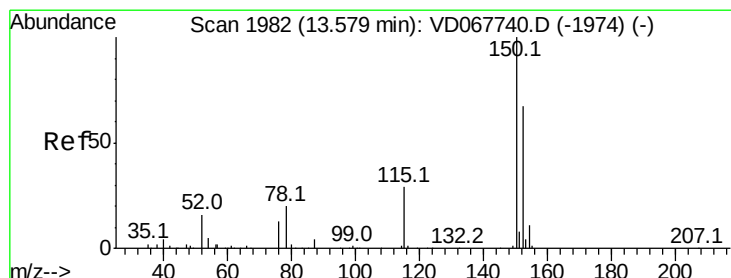
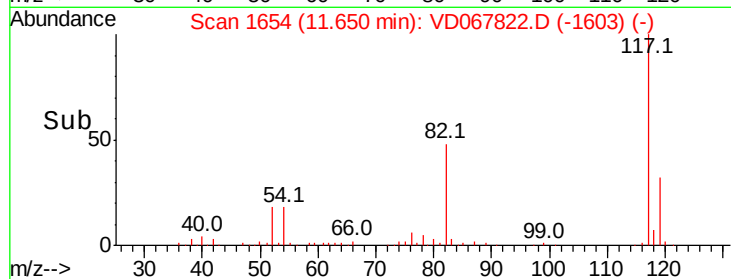
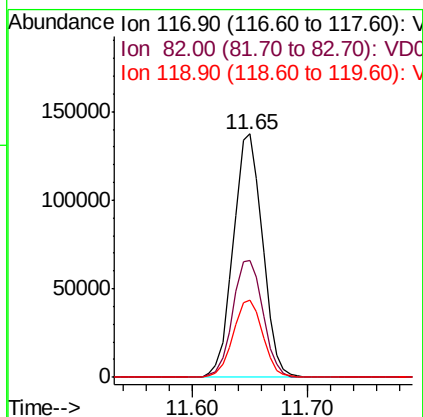
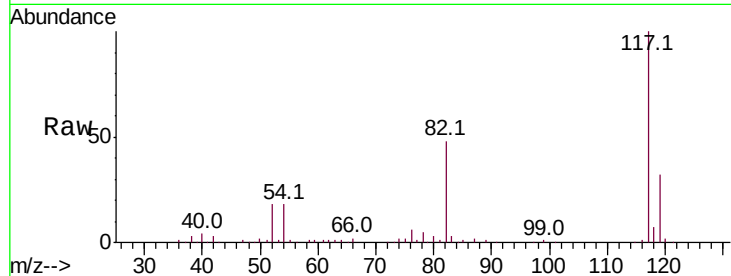




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067822.D
Acq: 30 Nov 2020 18:49

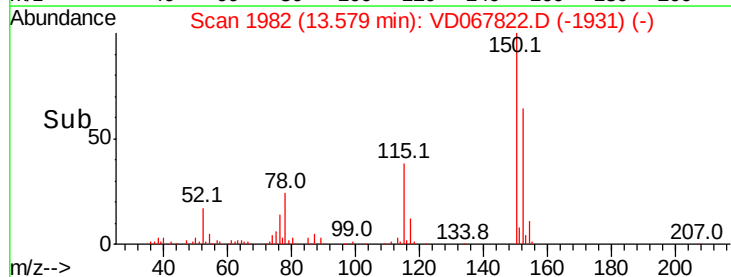
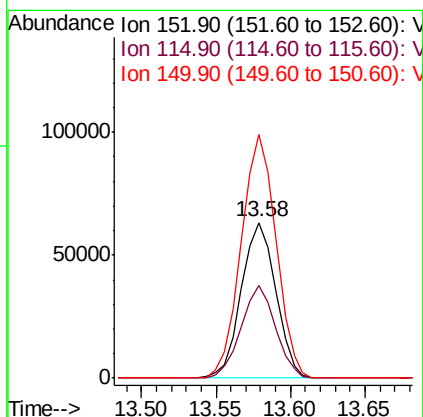
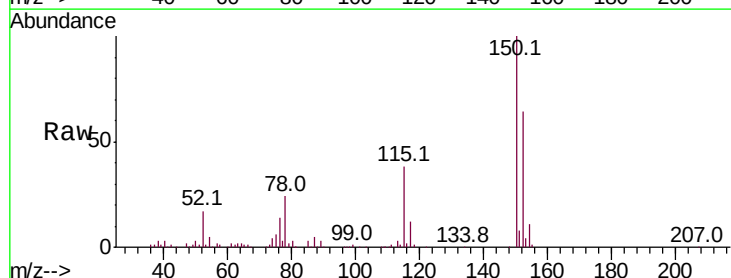
Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-0-1

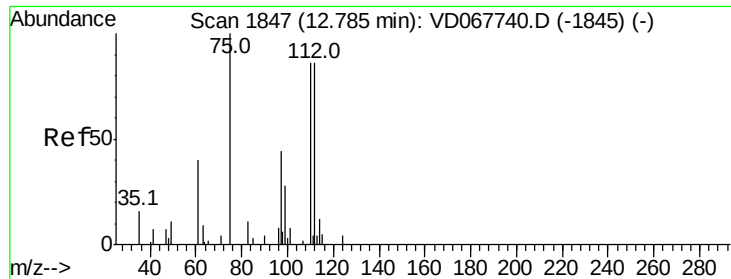
Tot Ion:117 Resp: 241339
Ion Ratio Lower Upper
117 100
82 48.1 40.2 60.4
119 31.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067822.D
Acq: 30 Nov 2020 18:49

Tgt Ion:152 Resp: 101682
Ion Ratio Lower Upper
152 100
115 59.0 29.4 88.3
150 157.5 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 64.992 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Instrument :

MSVOA_D

ClientSampleId :

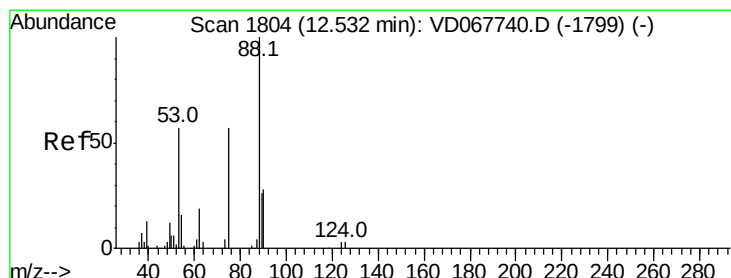
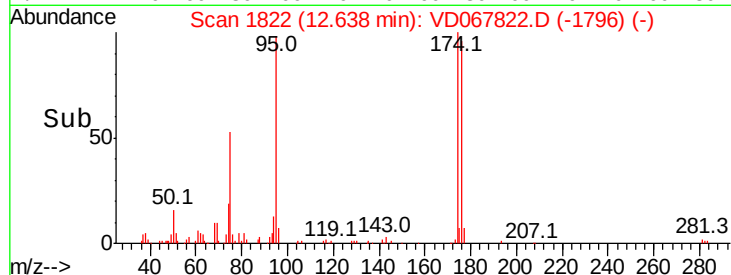
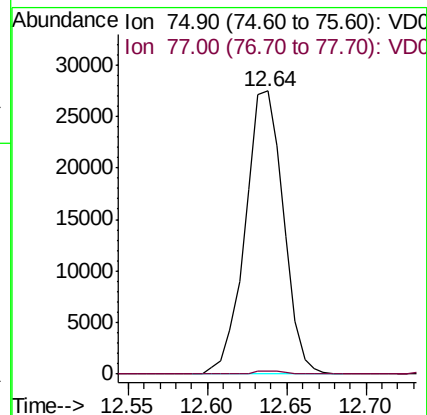
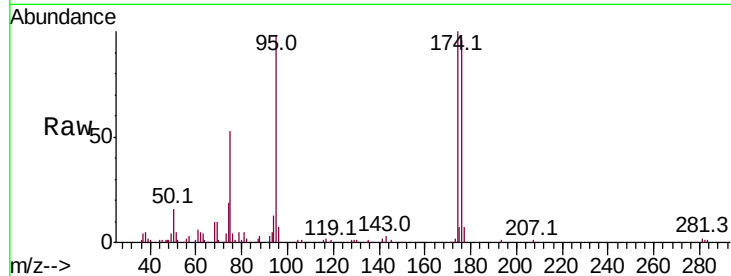
PAV-B2-112520-0-1

Tot Ion: 75 Resp: 46058

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.011 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067822.D

Acq: 30 Nov 2020 18:49

Tgt Ion: 75 Resp: 46058

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

