

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067814.D
 Acq On : 30 Nov 2020 14:45
 Operator : VA/SY
 Sample : L4882-01RE
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B48-112320-0-1RE

Quant Time: Dec 01 00:16:44 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	709027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1221046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1123327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	505525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	432021	62.67	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.34%
35) Dibromofluoromethane	7.92	113	388111	49.95	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.90%
50) Toluene-d8	10.34	98	1375412	48.41	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.82%
62) 4-Bromofluorobenzene	12.64	95	486056	50.05	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.10%

Target Compounds

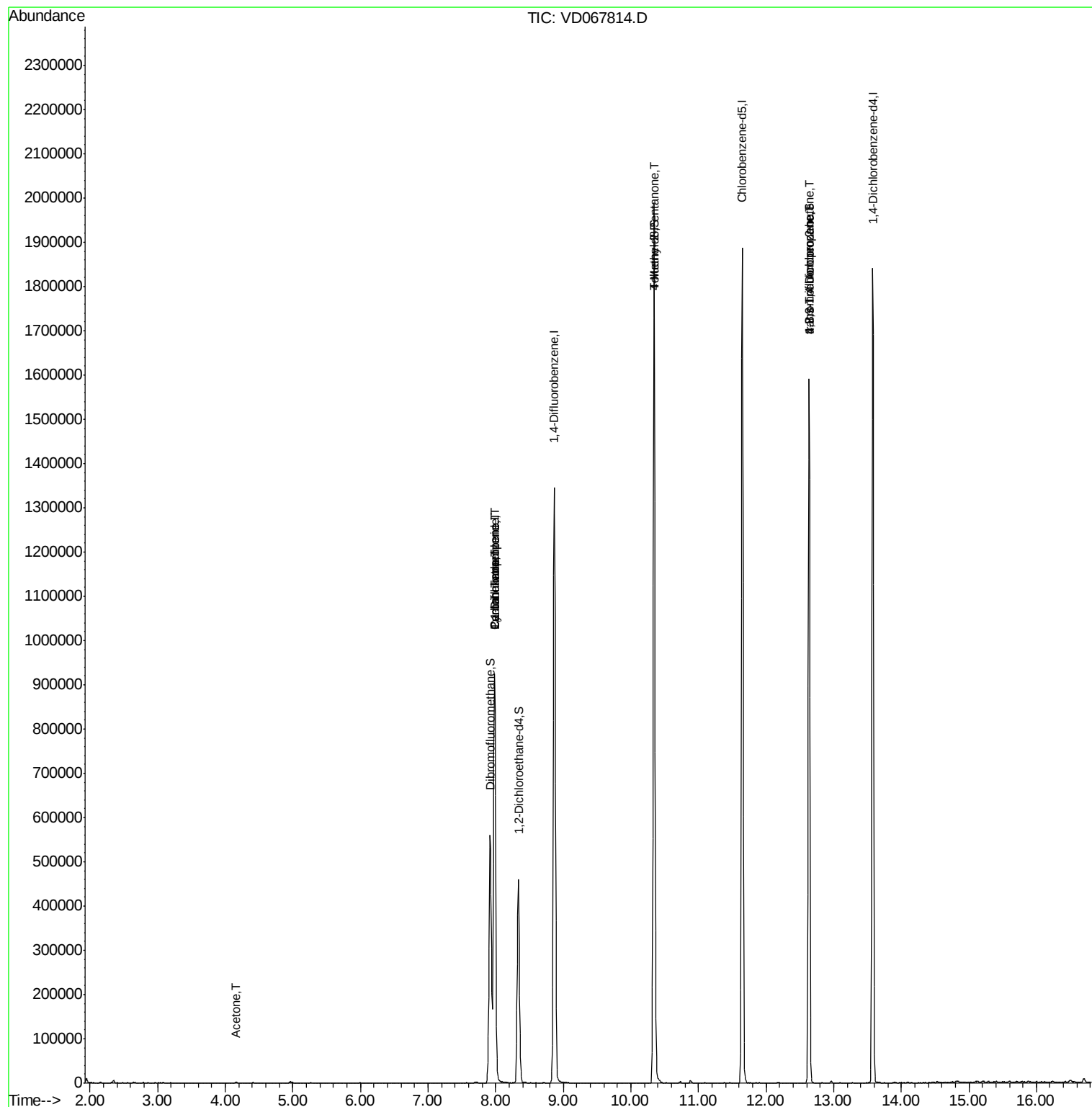
					Qvalue	
16) Acetone	4.15	43	2789	3.132	ug/l #	72
20) Methylene Chloride	4.96	84	1612	Below Cal	#	55
31) Cyclohexane	7.98	56	13511	1.620	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	47962	4.577	ug/l #	51
38) Carbon Tetrachloride	7.98	117	74739	4.921	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	5056	1.910	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	273316	77.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	273316	181.441	ug/l #	11

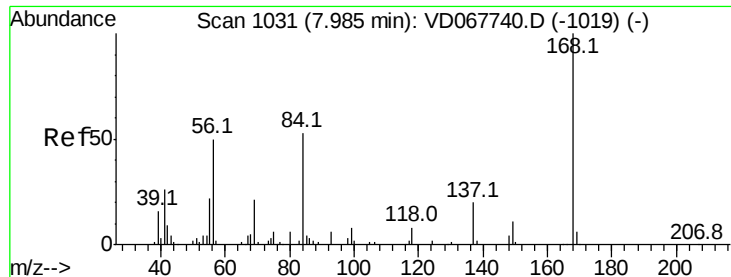
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PAV-B48-112320-0-1RE

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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

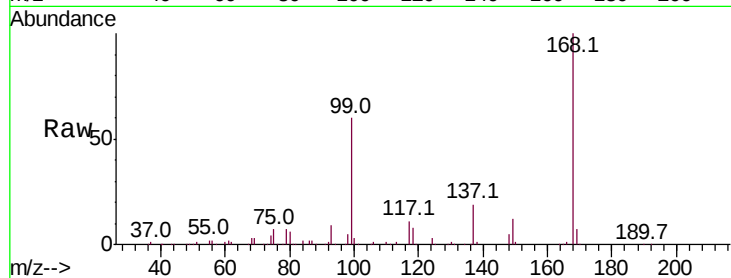
PAV-B48-112320-0-1RE

Tot Ion:168 Resp: 709027

Ion Ratio Lower Upper

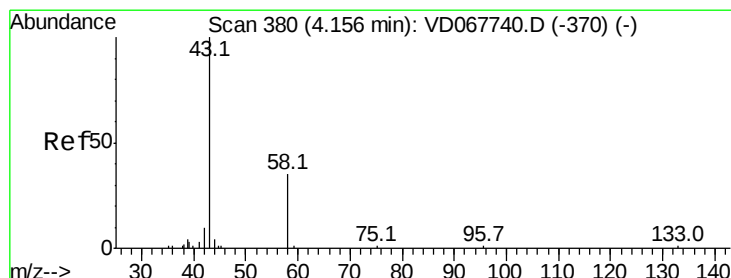
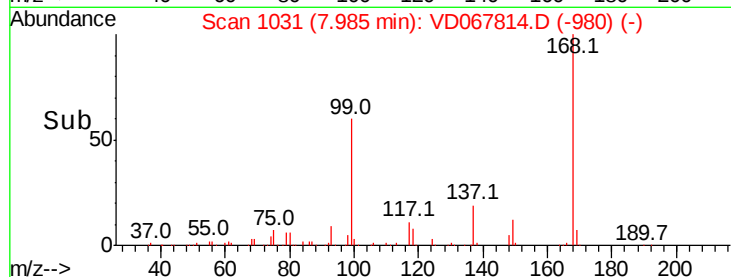
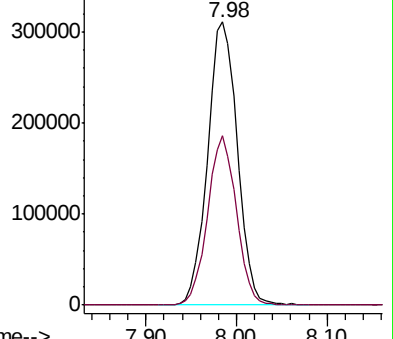
168 100

99 59.7 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: 3.132 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067814.D

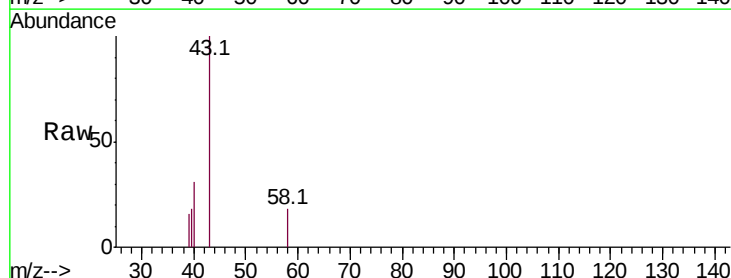
Acq: 30 Nov 2020 14:45

Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

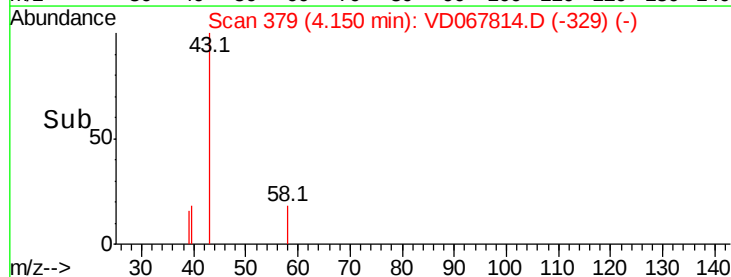
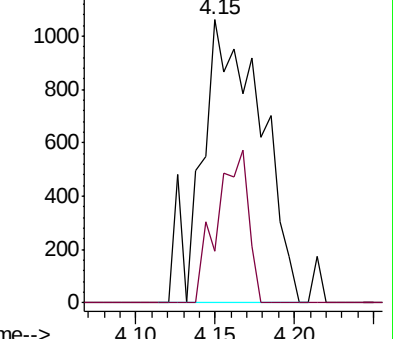
43 100

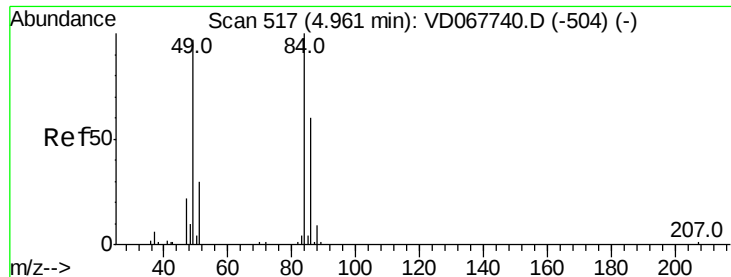
58 18.5 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

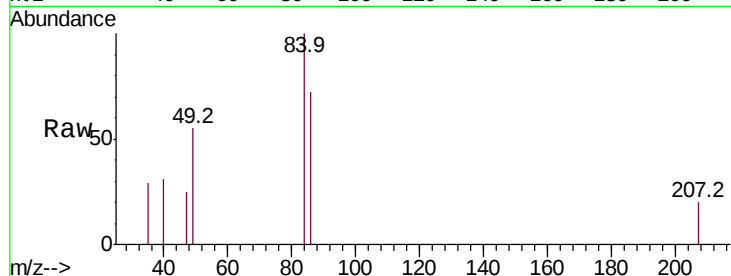




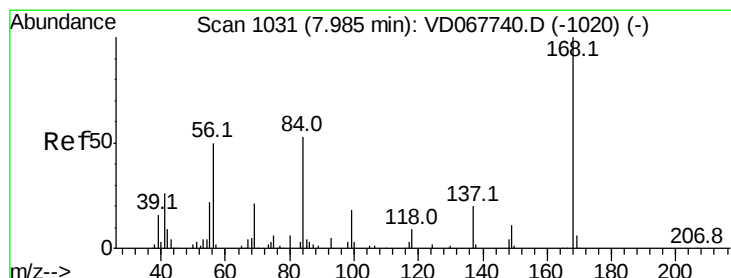
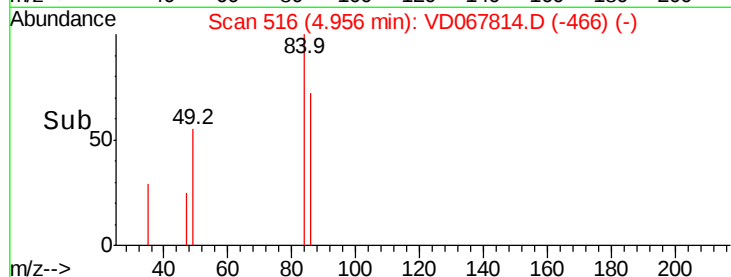
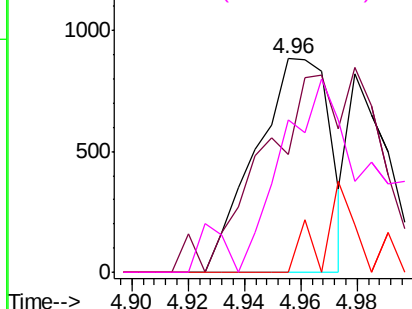
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067814.D
Acq: 30 Nov 2020 14:45

Instrument :
MSVOA_D
ClientSampleId :
PAV-B48-112320-0-1RE

Tot Ion: 84 Resp: 1612
Ion Ratio Lower Upper
84 100
49 36.8 77.4 116.2#
51 0.0 24.1 36.1#
86 71.6 48.2 72.2

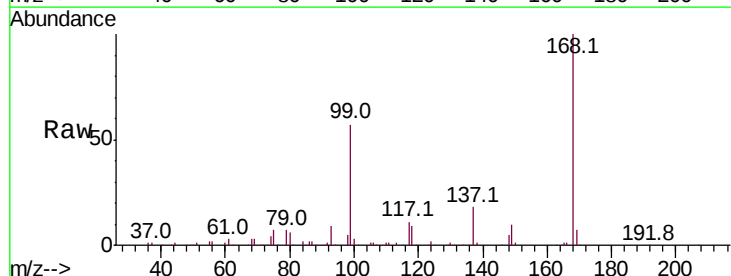


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

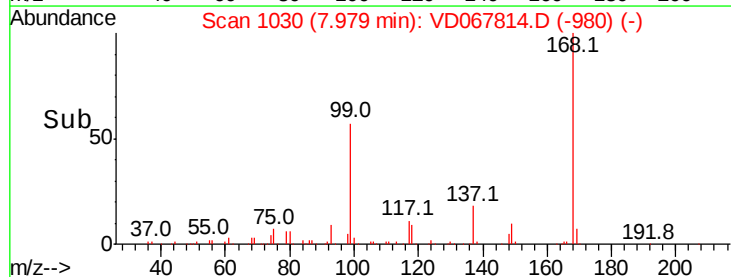
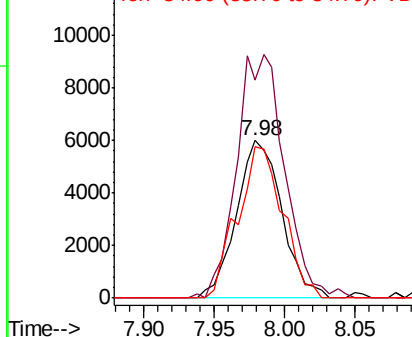


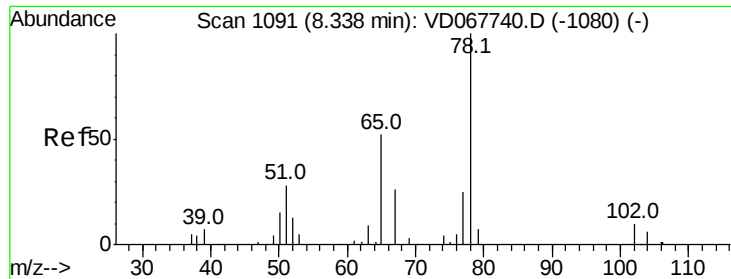
#31
Cyclohexane
Concen: 1.620 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067814.D
Acq: 30 Nov 2020 14:45

Tgt Ion: 56 Resp: 13511
Ion Ratio Lower Upper
56 100
69 138.6 33.2 49.8#
84 96.5 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

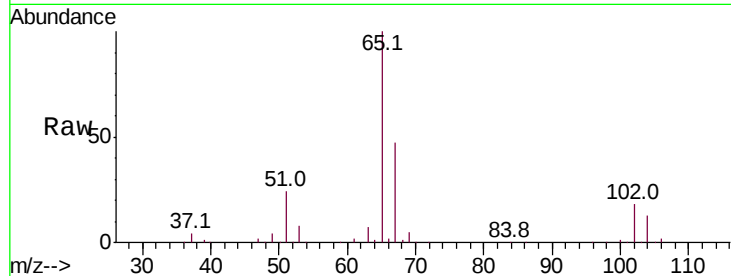




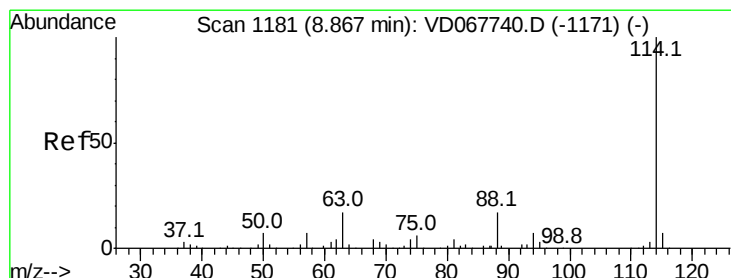
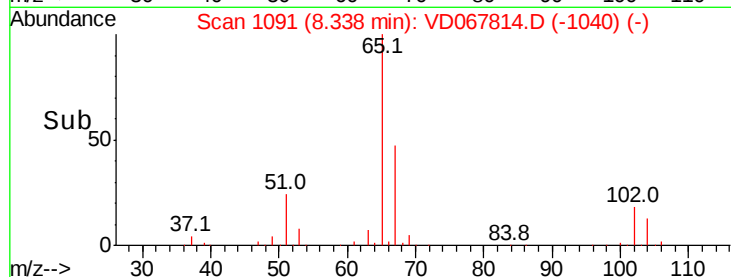
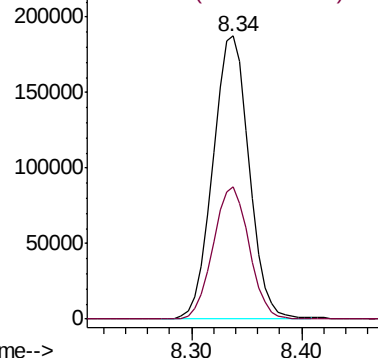
#33
 1,2-Dichloroethane-d4
 Concen: 62.667 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067814.D
 Acq: 30 Nov 2020 14:45

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B48-112320-0-1RE

Tot Ion: 65 Resp: 432021
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 101.0

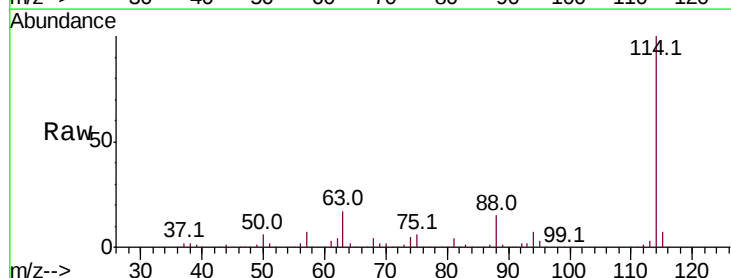


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

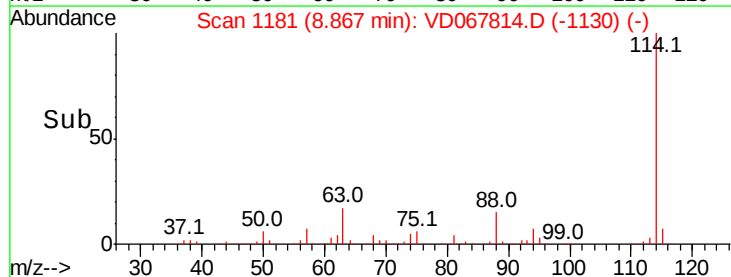
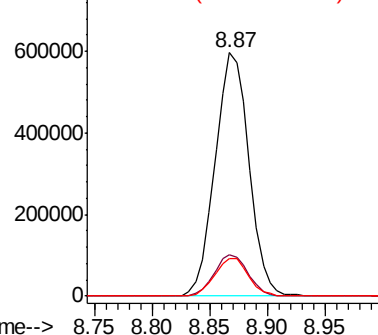


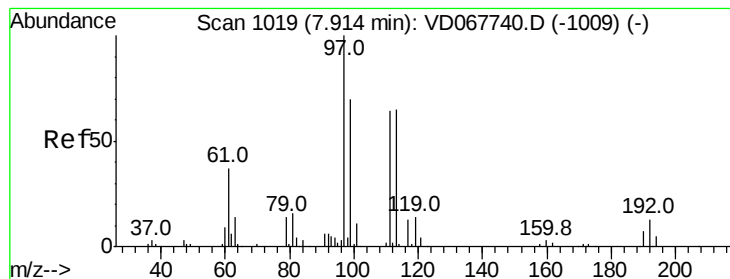
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067814.D
 Acq: 30 Nov 2020 14:45

Tgt Ion: 114 Resp: 1221046
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 34.8
 88 15.3 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VDC
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.945 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-0-1RE

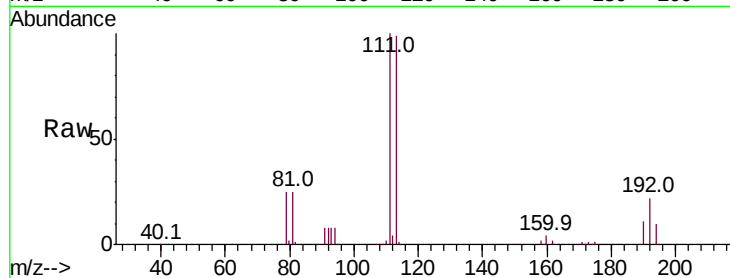
Tot Ion:113 Resp: 388111

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

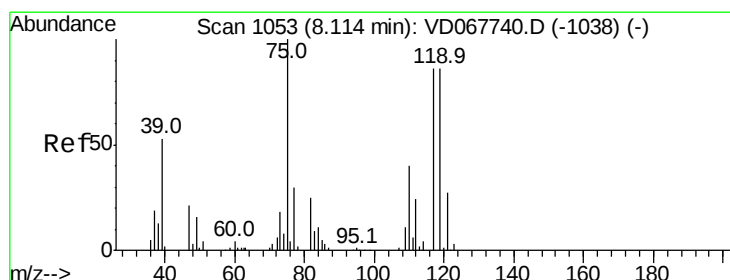
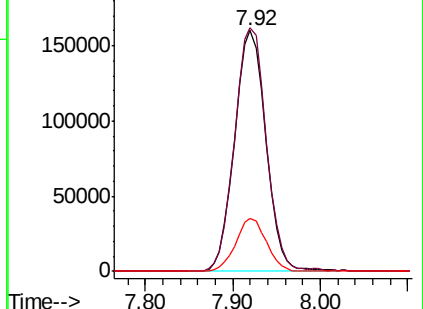
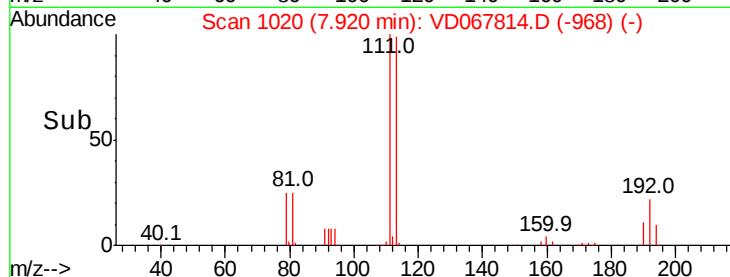
192 21.4 17.0 25.4



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: 4.577 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

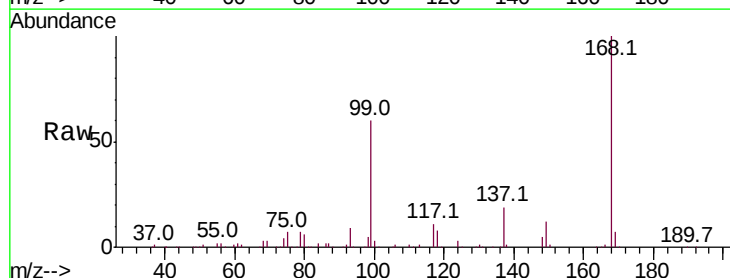
Tgt Ion: 75 Resp: 47962

Ion Ratio Lower Upper

75 100

110 13.5 20.1 60.2#

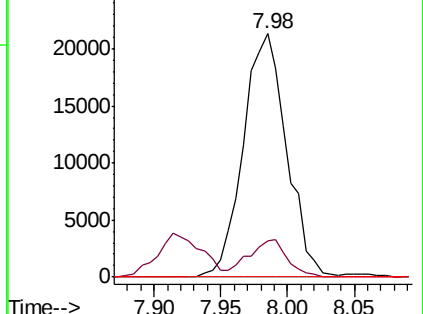
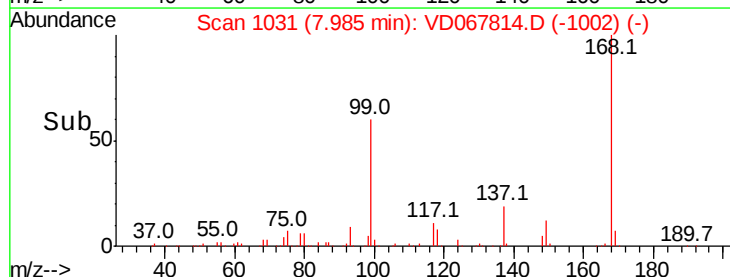
77 0.0 24.8 37.2#

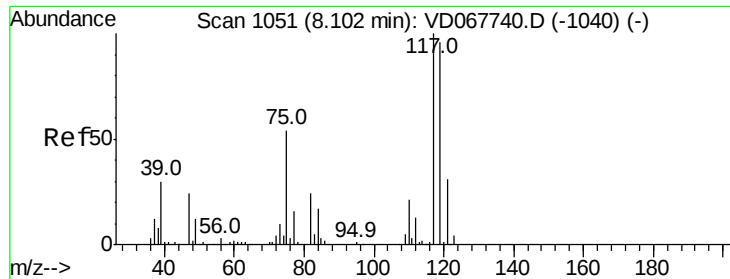


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.921 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-0-1RE

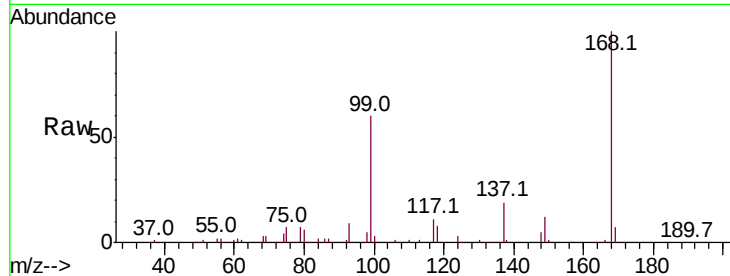
Tot Ion:117 Resp: 74739

Ion Ratio Lower Upper

117 100

119 3.5 76.6 115.0#

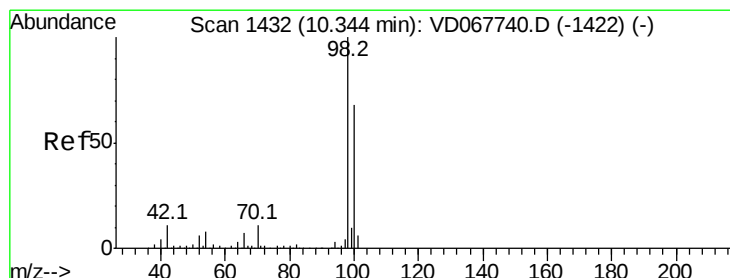
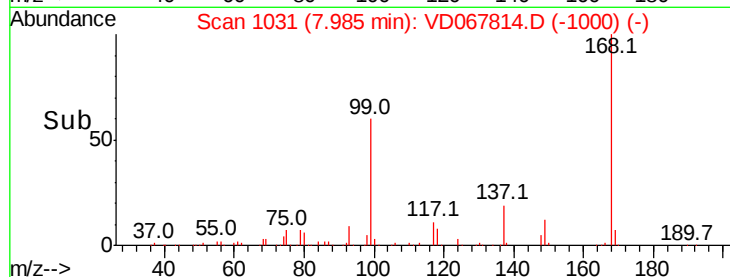
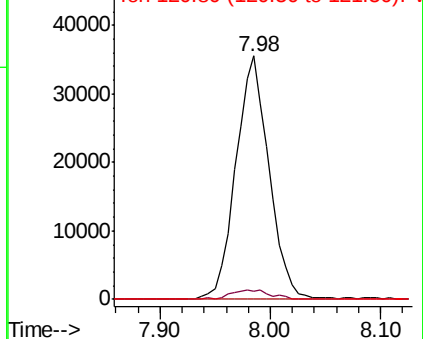
121 0.0 24.5 36.7#



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: 48.412 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067814.D

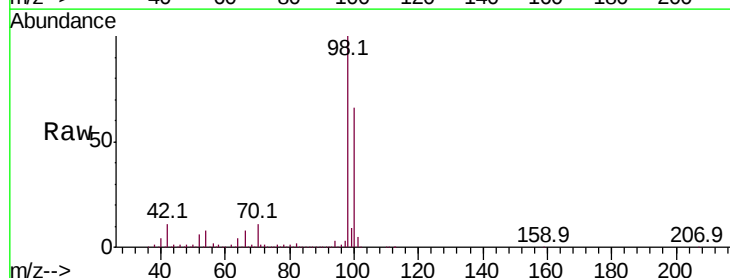
Acq: 30 Nov 2020 14:45

Tgt Ion: 98 Resp: 1375412

Ion Ratio Lower Upper

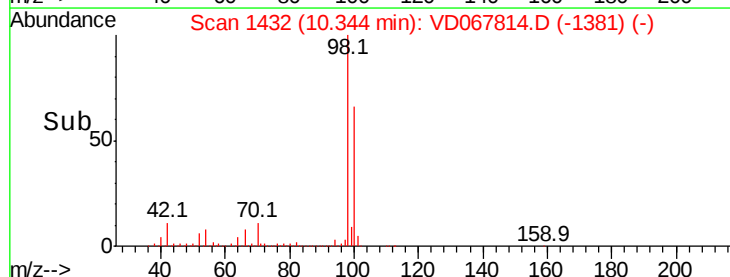
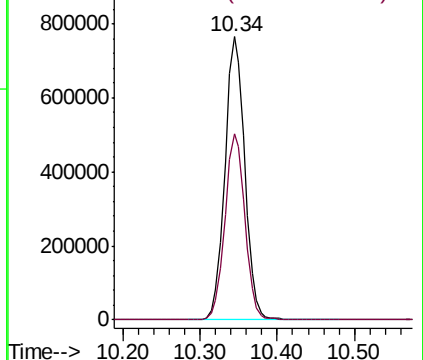
98 100

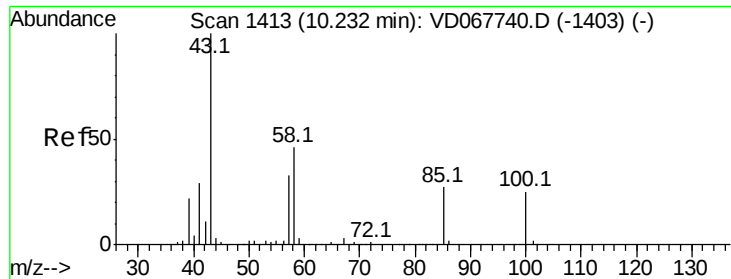
100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.910 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

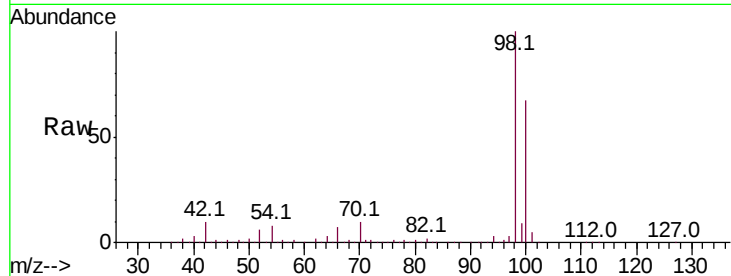
PAV-B48-112320-0-1RE

Tot Ion: 43 Resp: 5056

Ion Ratio Lower Upper

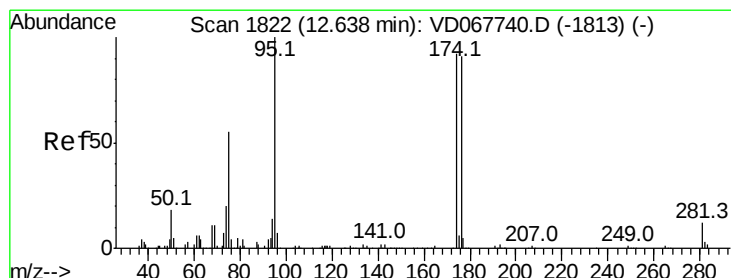
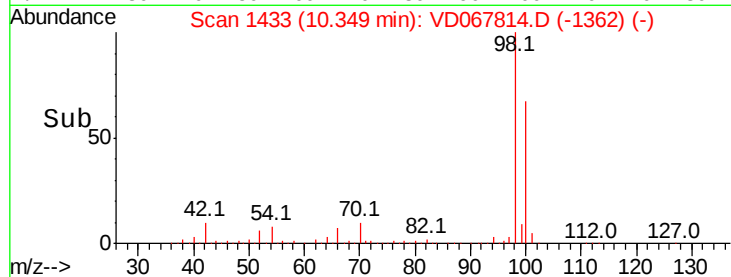
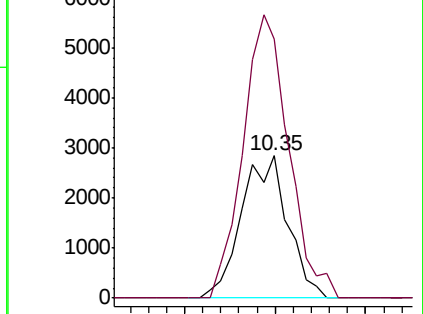
43 100

58 195.4 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.053 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

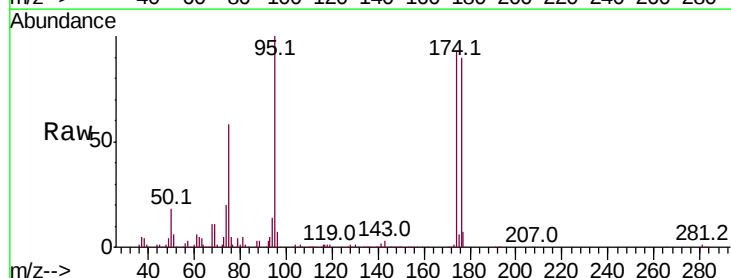
Tgt Ion: 95 Resp: 486056

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.4

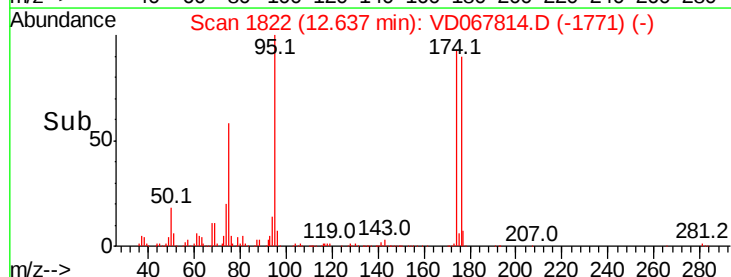
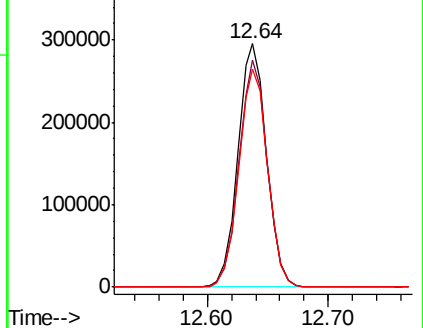
176 90.2 0.0 178.2

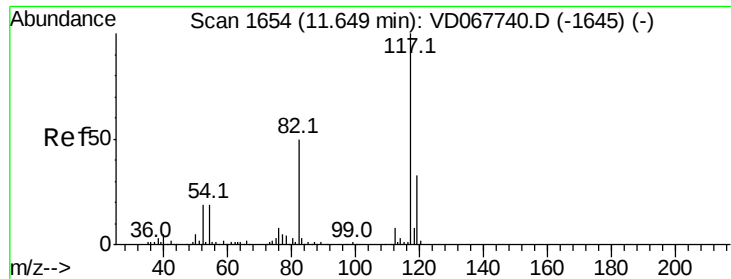


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

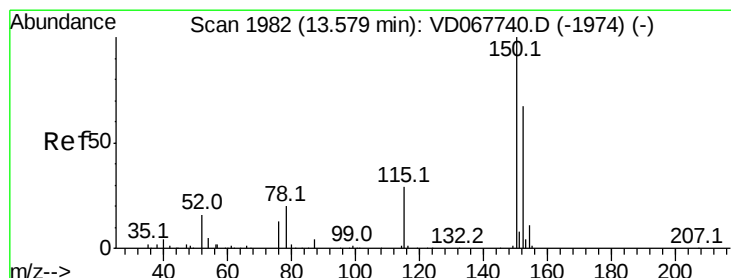
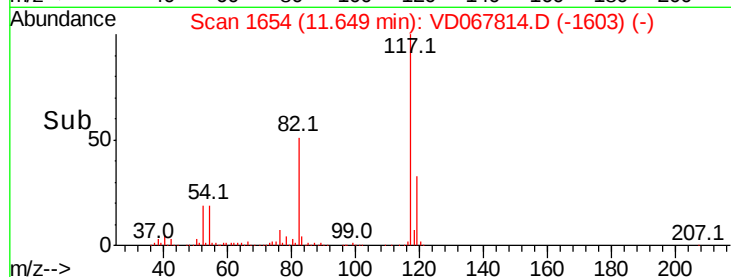
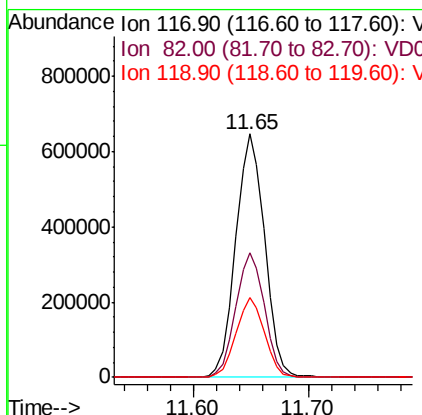
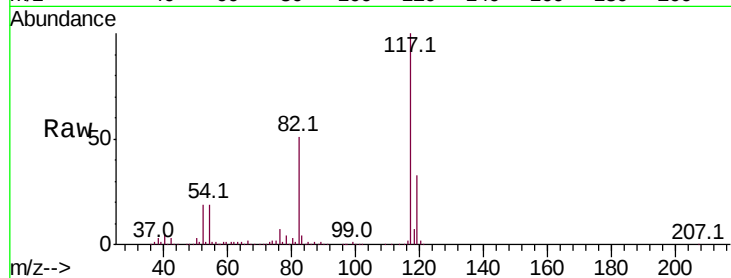




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067814.D
Acq: 30 Nov 2020 14:45

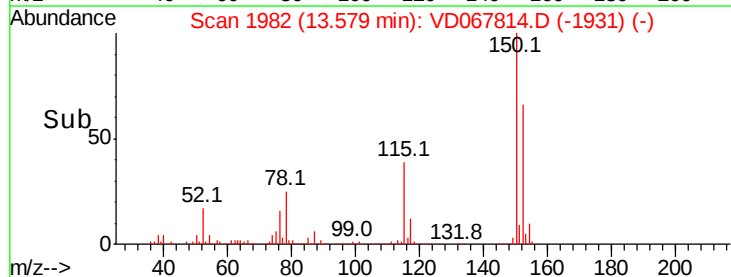
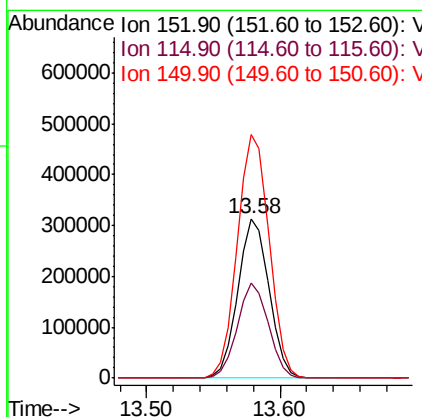
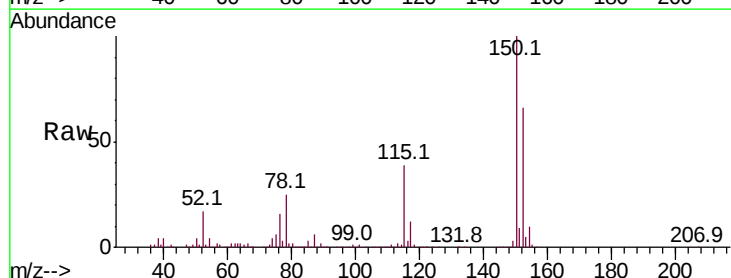
Instrument :
MSVOA_D
ClientSampleId :
PAV-B48-112320-0-1RE

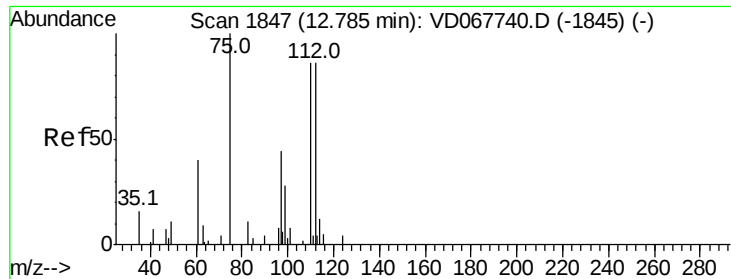
Tot Ion:117 Resp: 1123327
Ion Ratio Lower Upper
117 100
82 51.4 40.2 60.4
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067814.D
Acq: 30 Nov 2020 14:45

Tgt Ion:152 Resp: 505525
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.3
150 156.0 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 77.575 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

Instrument :

MSVOA_D

ClientSampleId :

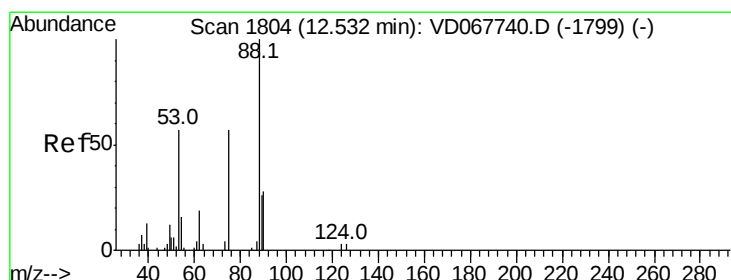
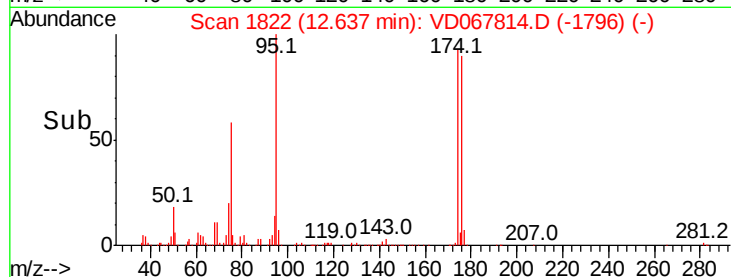
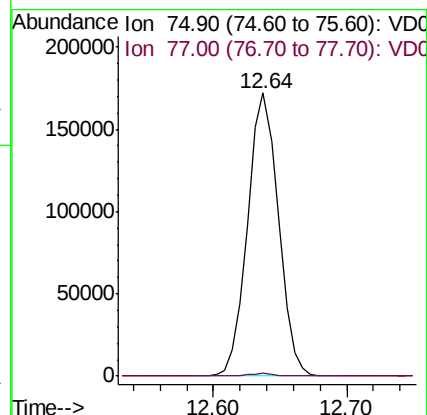
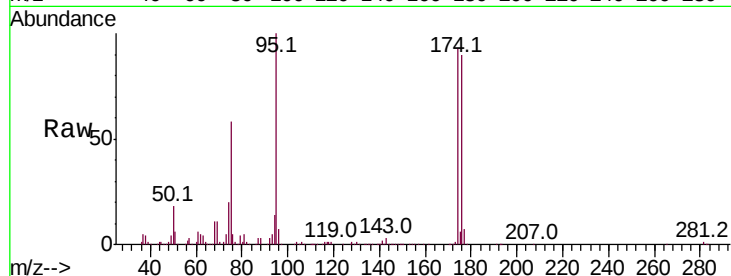
PAV-B48-112320-0-1RE

Tot Ion: 75 Resp: 273316

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 181.441 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067814.D

Acq: 30 Nov 2020 14:45

Tgt Ion: 75 Resp: 273316

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

