

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067846.D
 Acq On : 02 Dec 2020 20:03
 Operator : VA/SY
 Sample : L4891-01RE
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-0-1

Quant Time: Dec 03 00:36:53 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	244578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	357658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	307716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	125926	47.96	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.92%
35) Dibromofluoromethane	7.92	113	108013	45.13	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.26%
50) Toluene-d8	10.34	98	400685	46.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.02%
62) 4-Bromofluorobenzene	12.64	95	127989	42.97	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.94%

Target Compounds

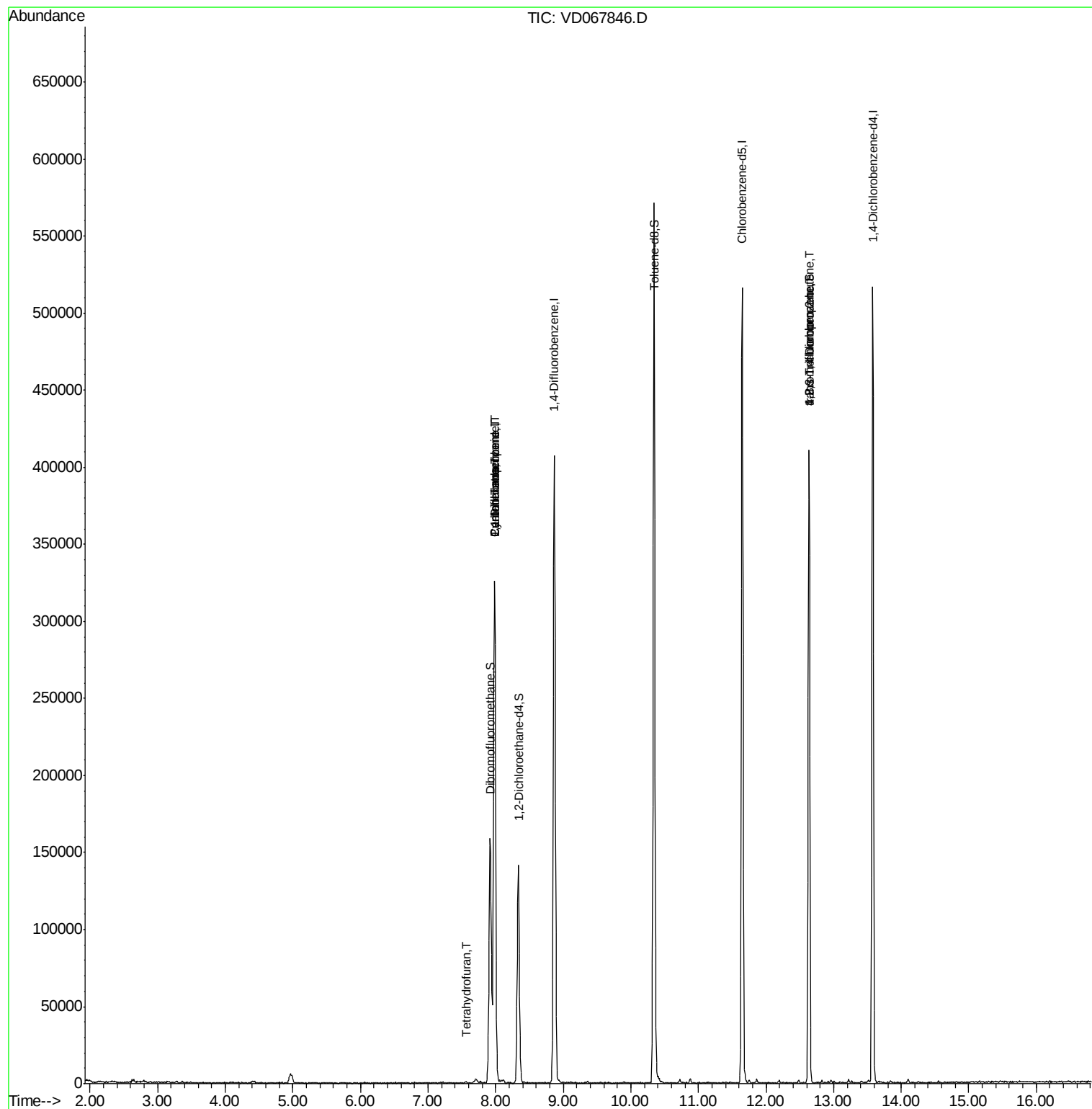
					Qvalue	
20) Methylene Chloride	4.97	84	5573	Below Cal	#	82
29) Tetrahydrofuran	7.56	42	513	2.640	ug/l #	79
31) Cyclohexane	7.98	56	4976	1.799	ug/l #	52
36) 1,1-Dichloropropene	7.98	75	17020	5.497	ug/l #	50
38) Carbon Tetrachloride	7.98	117	25256	5.391	ug/l #	14
41) Methacrylonitrile	7.56	41	169	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.64	75	68747	66.548	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	68747	159.190	ug/l #	7

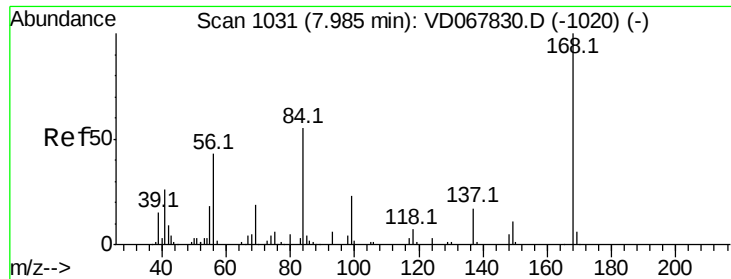
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120220\
Data File : VD067846.D
Acq On : 02 Dec 2020 20:03
Operator : VA/SY
Sample : L4891-01RE
Misc : 6.07G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-0-1

Quant Time: Dec 03 00:36:53 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# 1031

Delta R.T. 0.00 min

Lab File: VD067846.D

Acq: 02 Dec 2020 20:03

Instrument :

MSVOA_D

ClientSampleId :

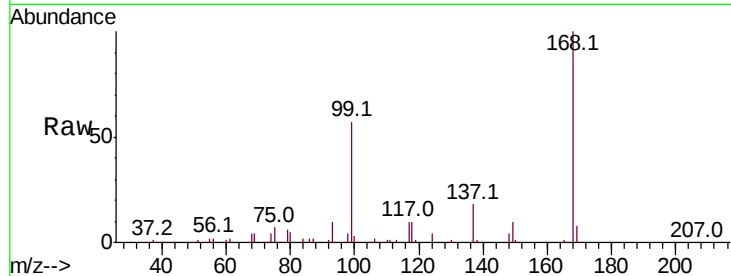
PAV-B3-112420-0-1

Tot Ion:168 Resp: 244578

Ion Ratio Lower Upper

168 100

99 57.3 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

120000

100000

80000

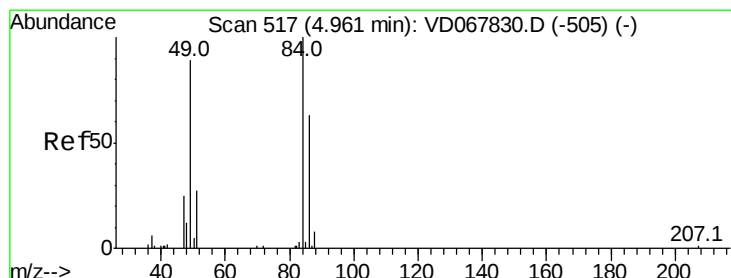
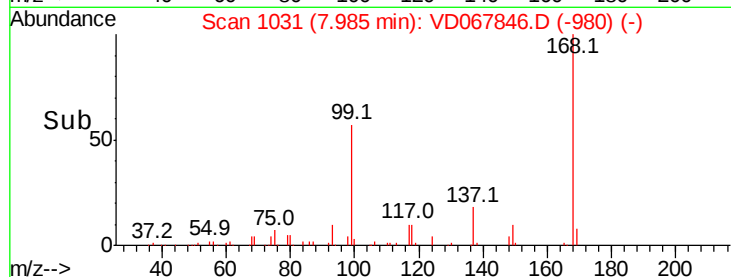
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067846.D

Acq: 02 Dec 2020 20:03

Tgt Ion: 84 Resp: 5573

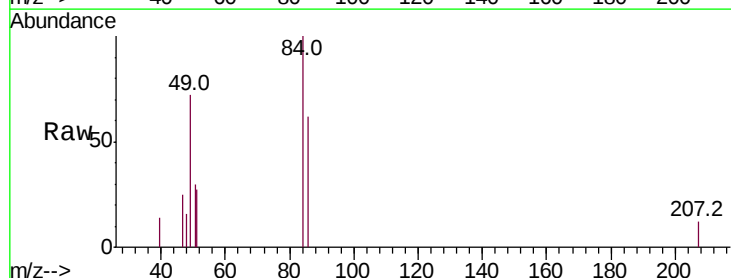
Ion Ratio Lower Upper

84 100

49 72.2 71.4 107.0

51 56.6 21.8 32.8#

86 62.3 50.6 75.8



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

2500

2000

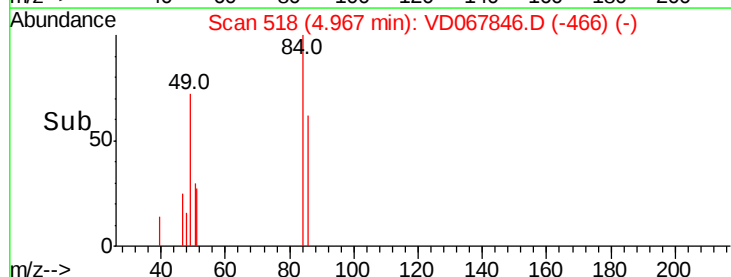
1500

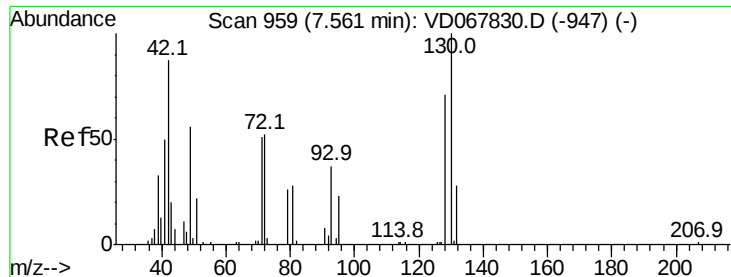
1000

500

0

Time-->

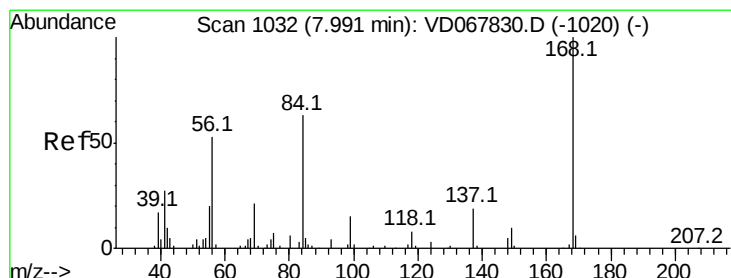
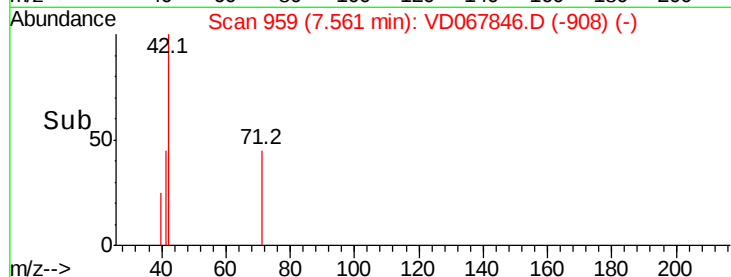
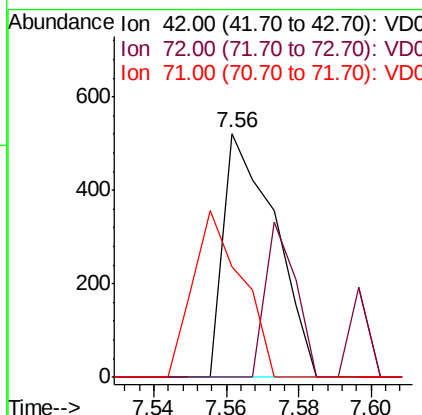
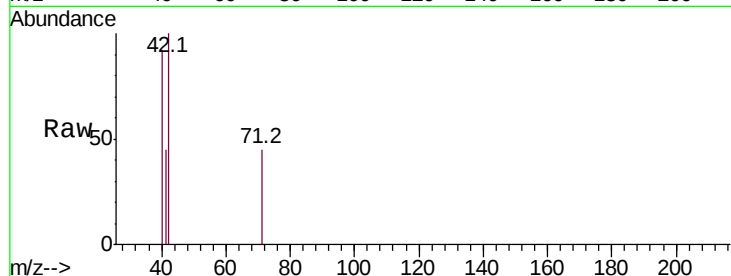




#29
Tetrahydrofuran
Concen: 2.640 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067846.D
Acq: 02 Dec 2020 20:03

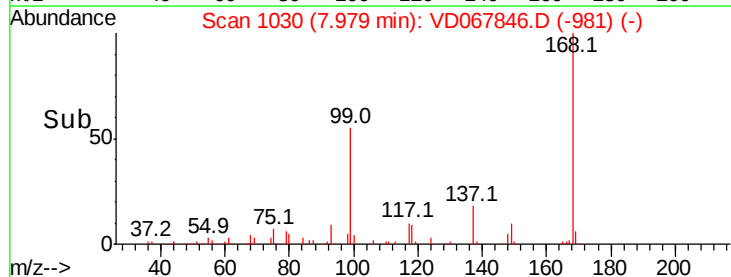
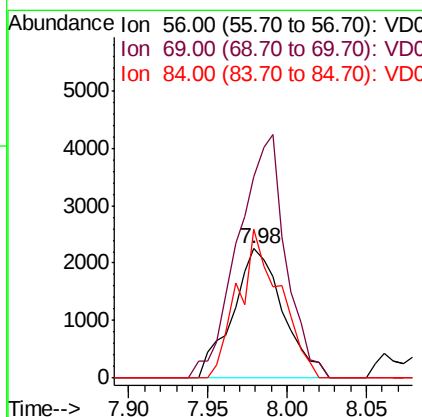
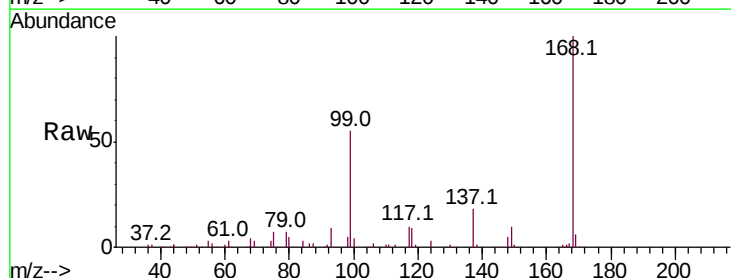
Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-0-1

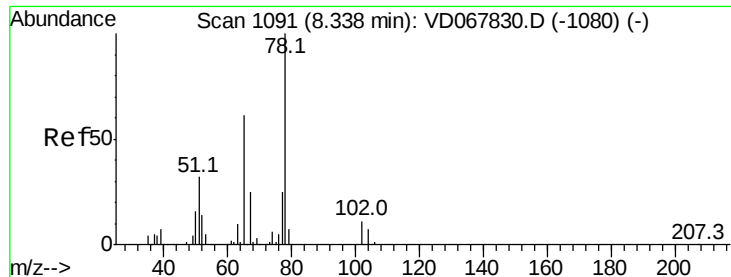
Tot Ion: 42 Resp: 513
Ion Ratio Lower Upper
42 100
72 37.2 51.9 77.9#
71 65.3 48.2 72.4



#31
Cyclohexane
Concen: 1.799 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067846.D
Acq: 02 Dec 2020 20:03

Tgt Ion: 56 Resp: 4976
Ion Ratio Lower Upper
56 100
69 155.8 32.1 48.1#
84 115.6 93.2 139.8

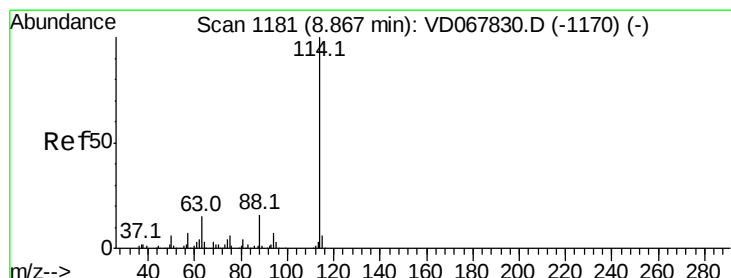
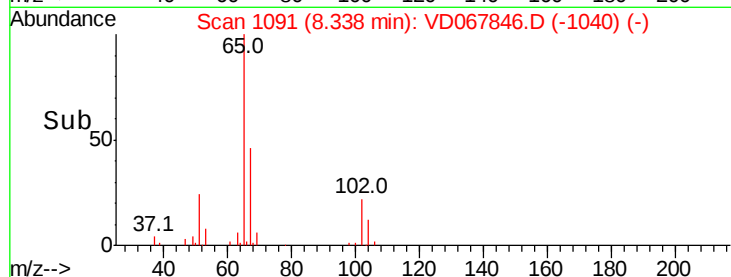
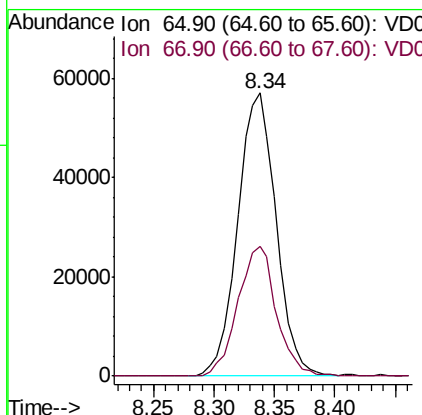
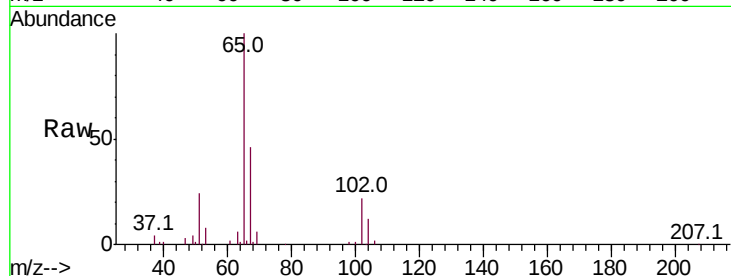




#33
 1,2-Dichloroethane-d4
 Concen: 47.960 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067846.D
 Acq: 02 Dec 2020 20:03

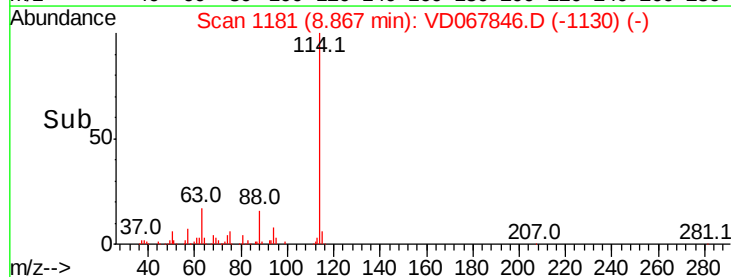
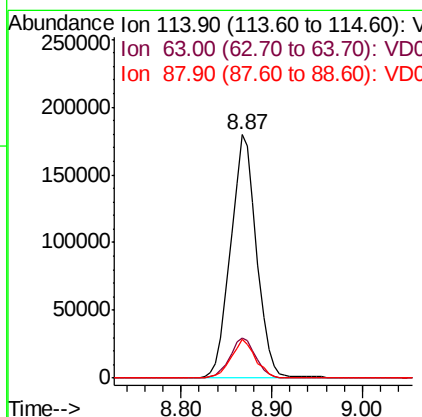
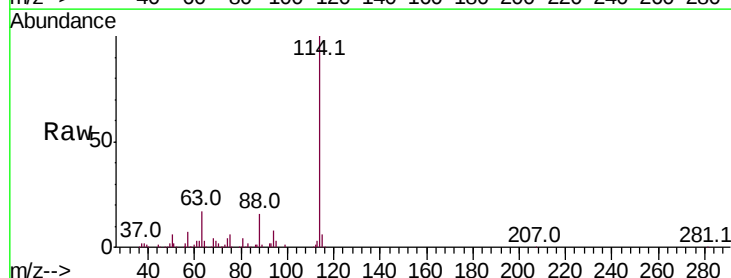
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-0-1

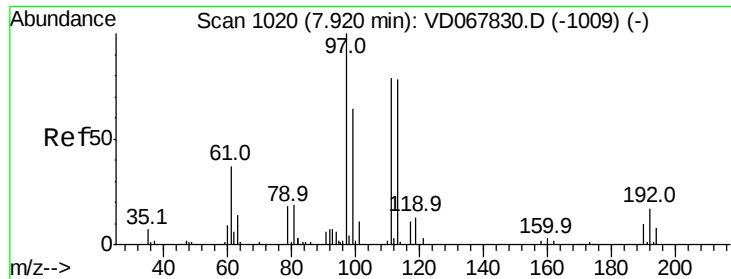
Tot Ion: 65 Resp: 125926
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067846.D
 Acq: 02 Dec 2020 20:03

Tgt Ion: 114 Resp: 357658
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 30.8
 88 16.1 0.0 31.8

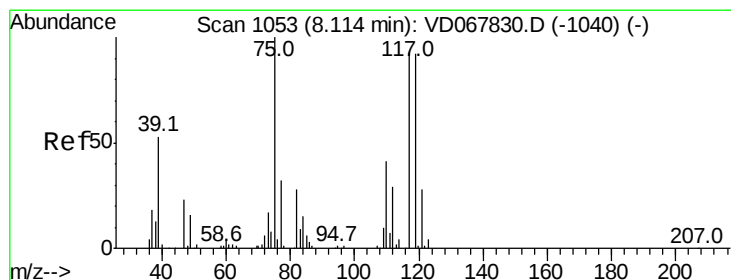
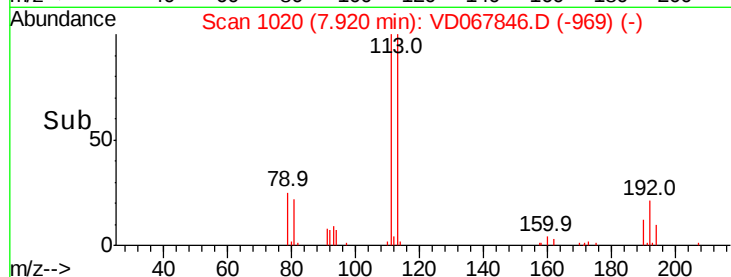
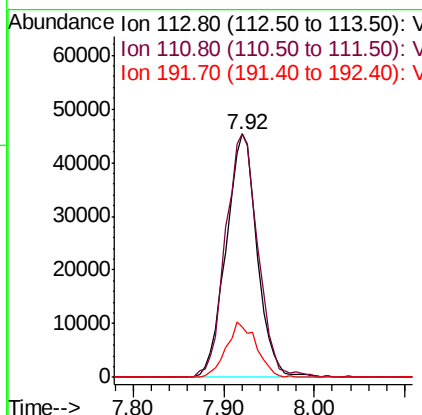
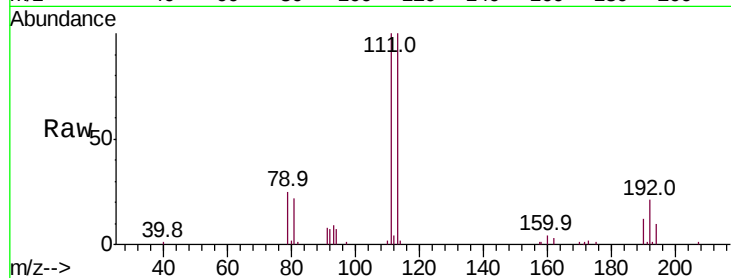




#35
 Dibromofluoromethane
 Concen: 45.132 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067846.D
 Acq: 02 Dec 2020 20:03

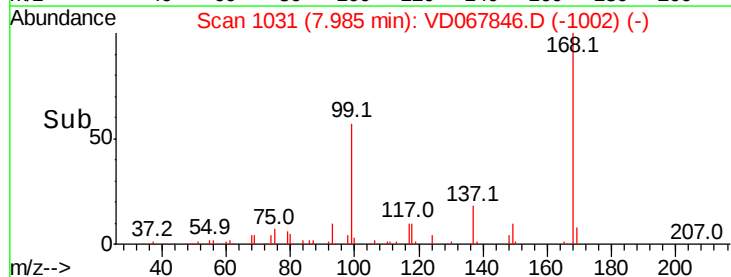
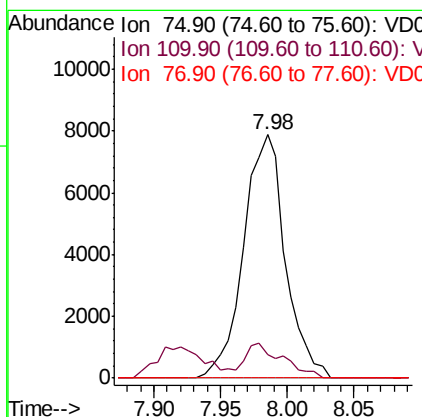
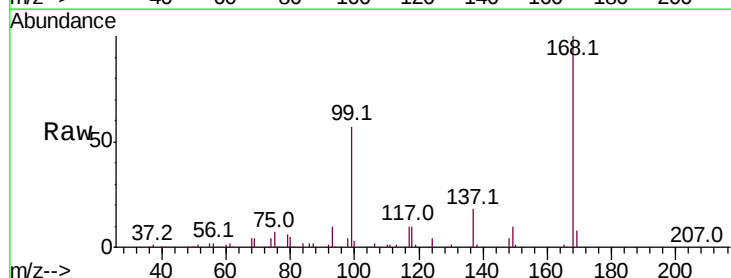
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-0-1

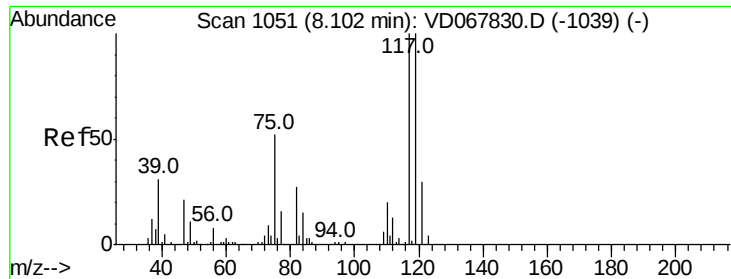
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.2	121.8
192	21.9	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 5.497 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067846.D
 Acq: 02 Dec 2020 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.8	20.3	61.0#
77	0.0	24.7	37.1#

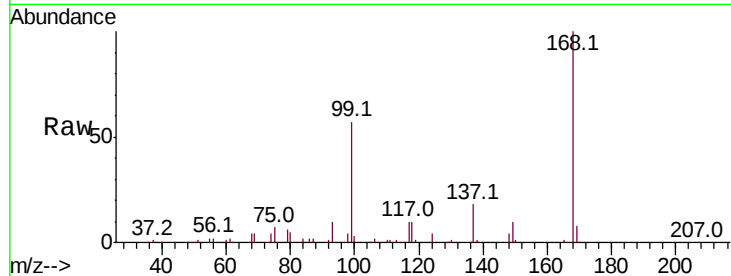




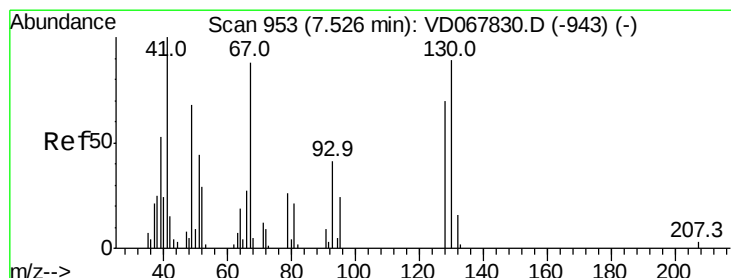
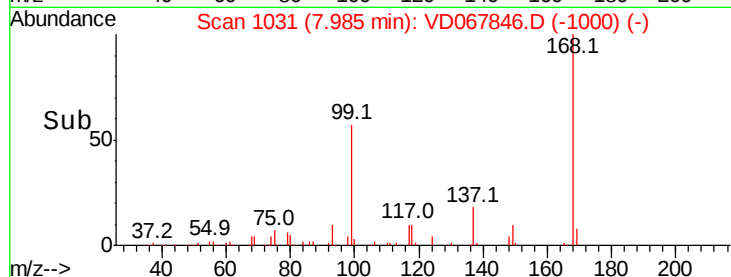
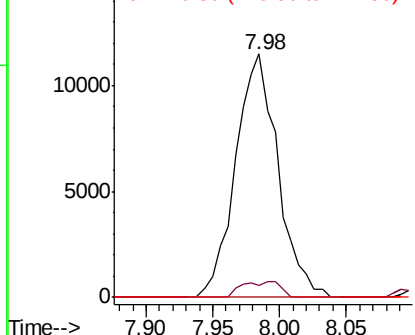
#38
Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067846.D
Acq: 02 Dec 2020 20:03

Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-0-1

Tot Ion:117 Resp: 25256
Ion Ratio Lower Upper
117 100
119 5.0 79.7 119.5#
121 0.0 23.8 35.6#

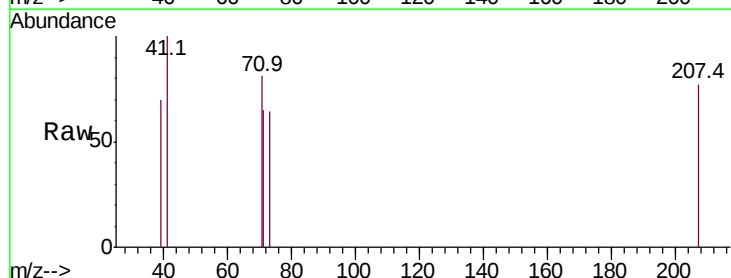


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

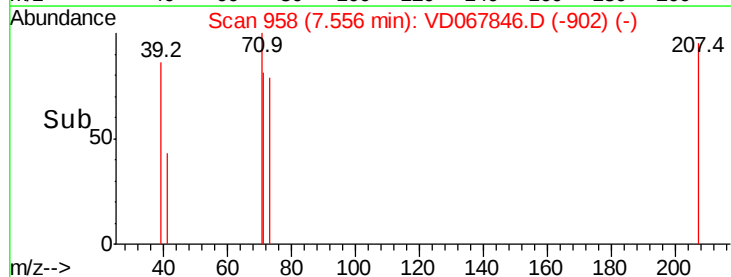
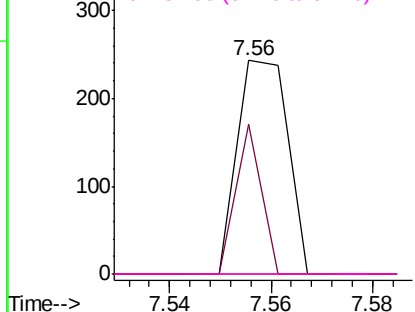


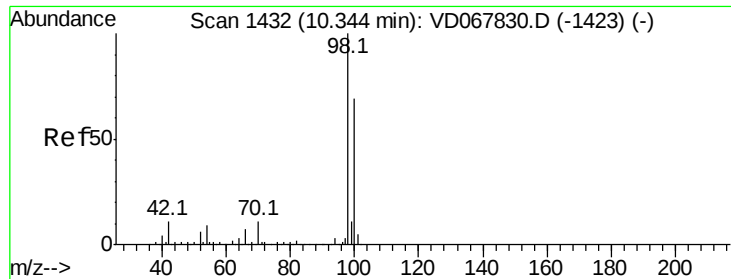
#41
Methacrylonitrile
Concen: Below Cal
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD067846.D
Acq: 02 Dec 2020 20:03

Tgt Ion: 41 Resp: 169
Ion Ratio Lower Upper
41 100
39 35.5 42.1 63.1#
67 0.0 82.4 123.6#
52 0.0 30.6 45.8#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 46.509 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067846.D

Acq: 02 Dec 2020 20:03

Instrument :

MSVOA_D

ClientSampleId :

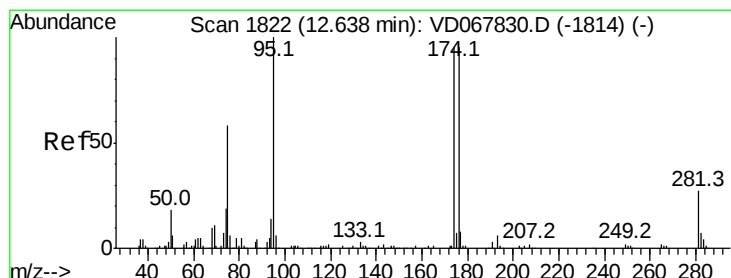
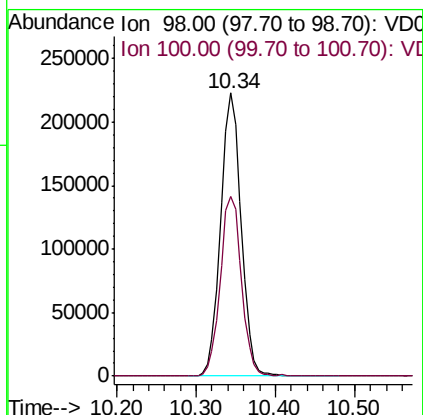
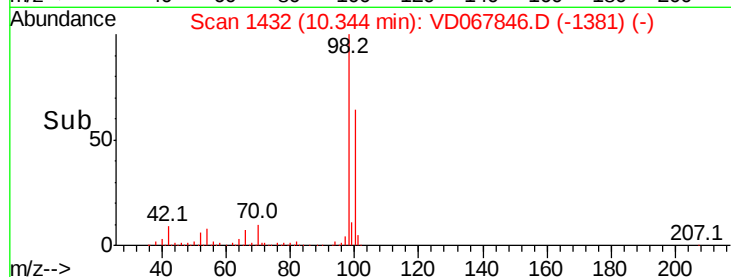
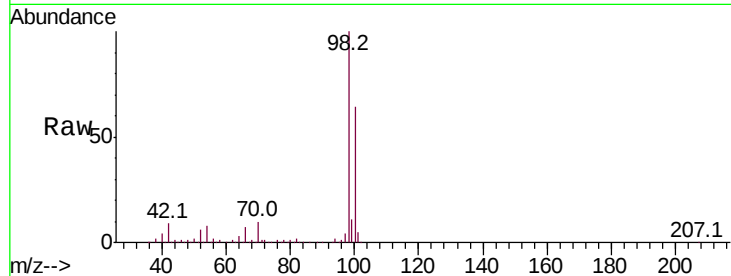
PAV-B3-112420-0-1

Tot Ion: 98 Resp: 400685

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 42.970 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067846.D

Acq: 02 Dec 2020 20:03

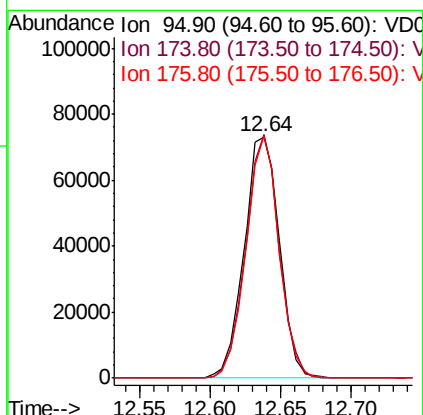
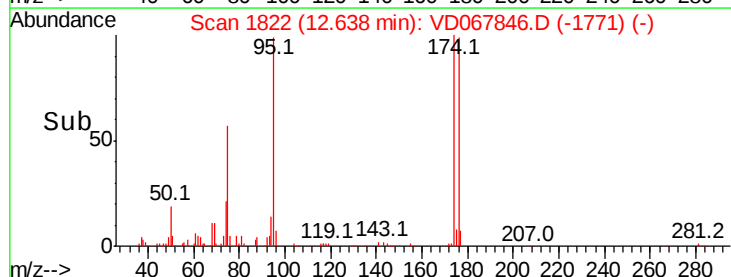
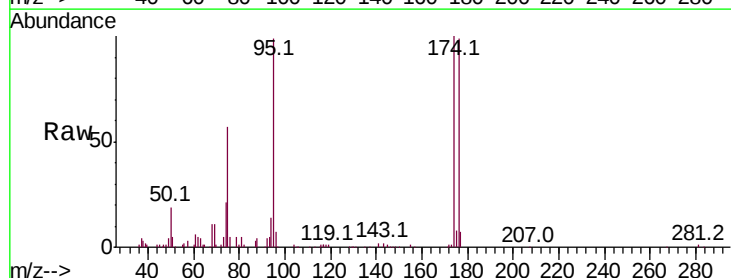
Tgt Ion: 95 Resp: 127989

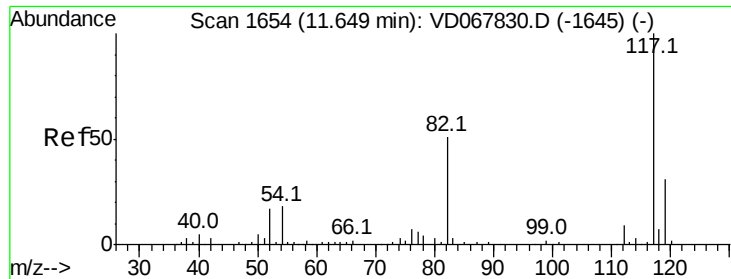
Ion Ratio Lower Upper

95 100

174 95.3 0.0 186.0

176 93.9 0.0 184.2

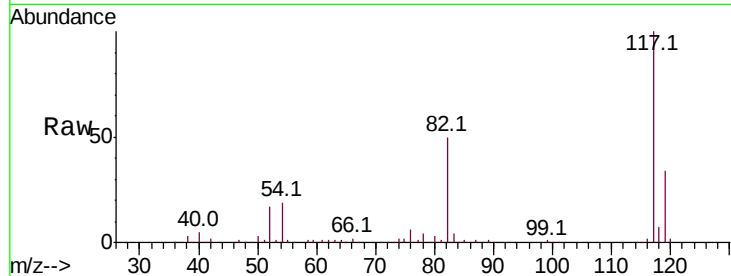




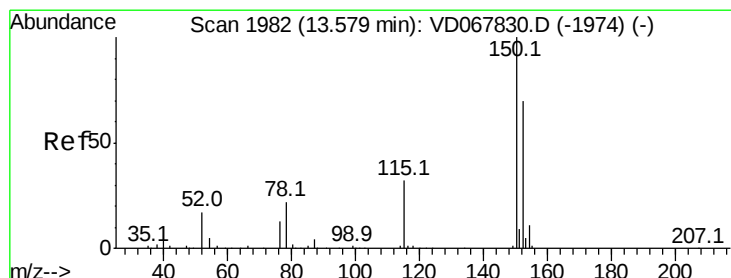
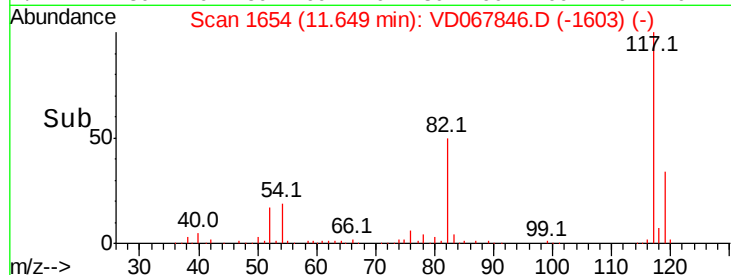
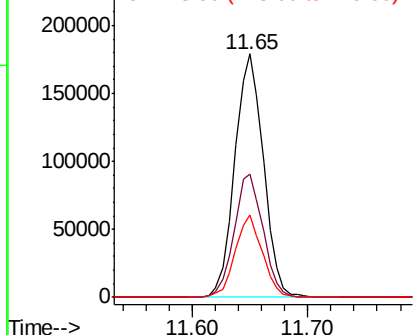
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067846.D
Acq: 02 Dec 2020 20:03

Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-0-1

Tot Ion:117 Resp: 307716
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 33.7 25.1 37.7

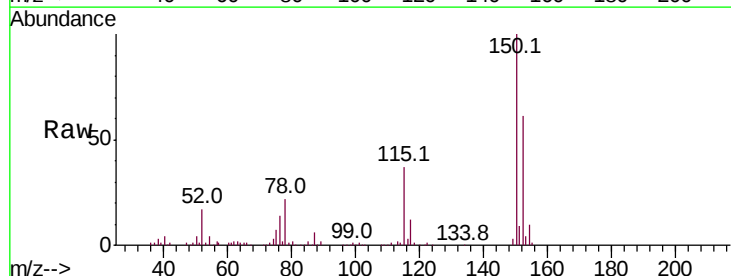


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

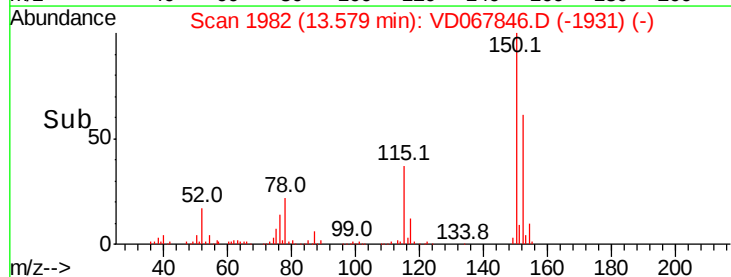
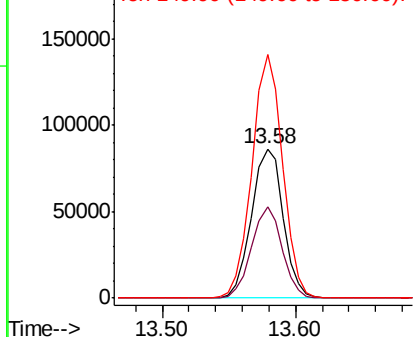


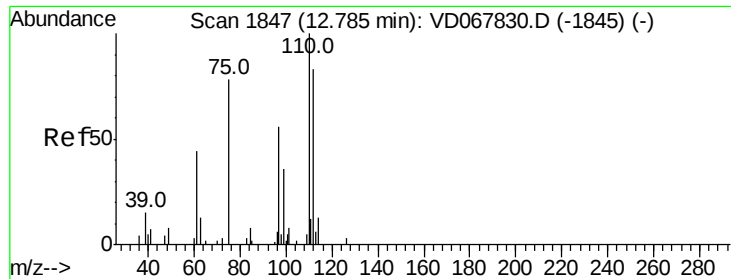
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067846.D
Acq: 02 Dec 2020 20:03

Tgt Ion:152 Resp: 141856
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.4
150 157.0 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

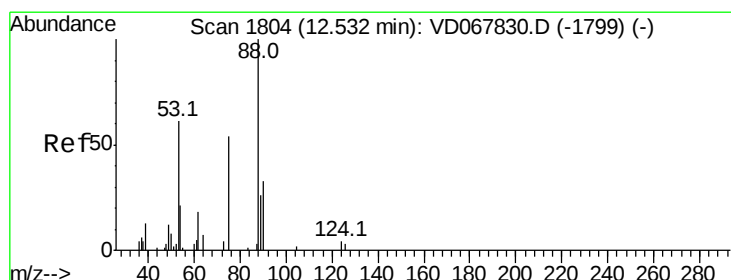
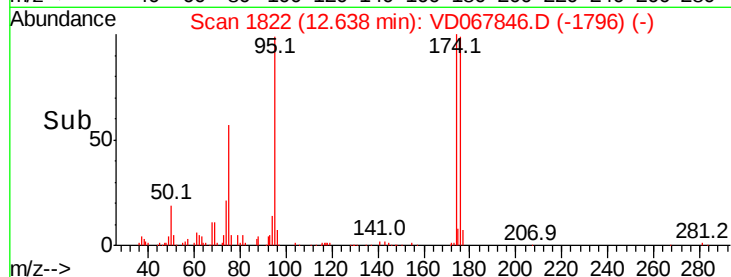
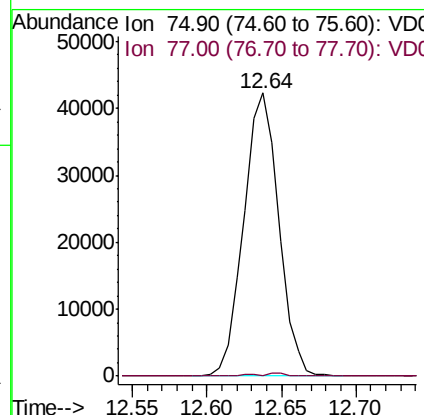
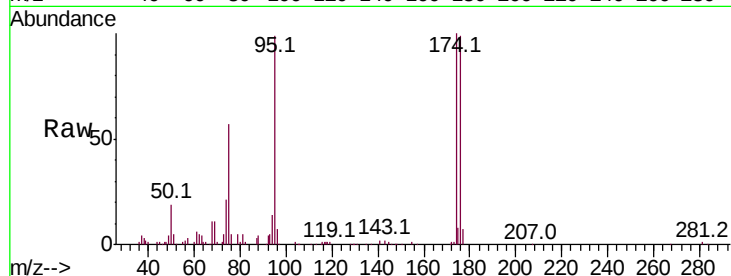




#76
 1,2,3-Trichloropropane
 Concen: 66.548 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067846.D
 Acq: 02 Dec 2020 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-0-1

Tot Ion: 75 Resp: 68747
 Ion Ratio Lower Upper
 75 100
 77 0.7 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.190 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067846.D
 Acq: 02 Dec 2020 20:03

Tgt Ion: 75 Resp: 68747
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 127.0#
 89 0.0 41.0 61.6#

