

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067868.D
 Acq On : 03 Dec 2020 15:22
 Operator : VA/SY
 Sample : L4910-01
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B47-113020-0-1

Quant Time: Dec 04 01:08:52 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	223628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	292922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	116682	48.60	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.20%
35) Dibromofluoromethane	7.92	113	58490	27.70	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	55.40%
50) Toluene-d8	10.34	98	359623	47.31	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.62%
62) 4-Bromofluorobenzene	12.64	95	118869	45.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.46%

Target Compounds

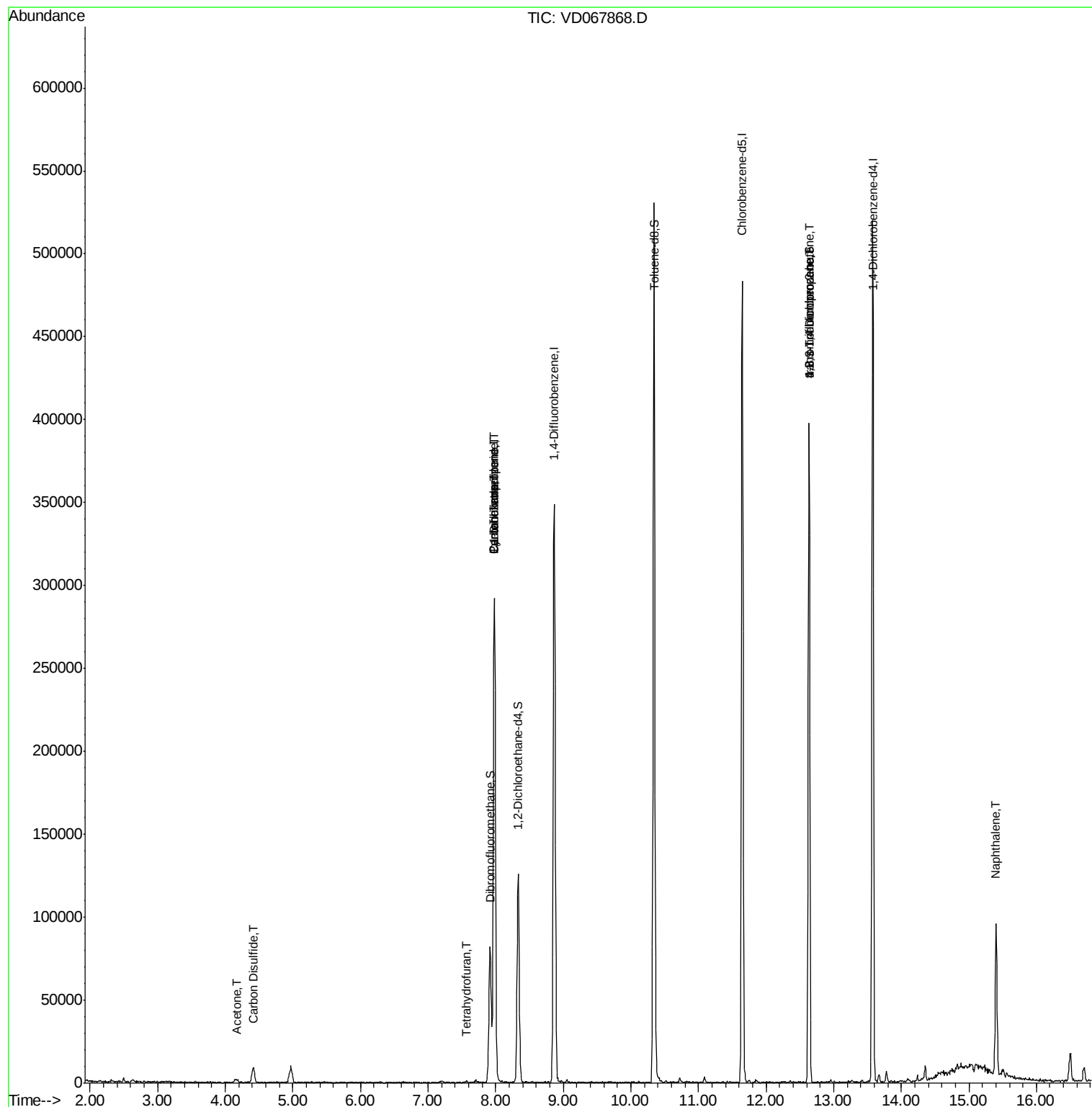
					Qvalue	
11) Tert butyl alcohol	5.19	59	66	Below Cal	#	74
16) Acetone	4.17	43	4314	14.542	ug/l	99
17) Carbon Disulfide	4.42	76	19999	3.865	ug/l	96
29) Tetrahydrofuran	7.57	42	416	2.342	ug/l #	60
31) Cyclohexane	7.98	56	4268	1.687	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	13552	4.961	ug/l #	52
38) Carbon Tetrachloride	7.98	117	24170	5.848	ug/l #	14
41) Methacrylonitrile	7.57	41	353	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.64	75	66850	63.924	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	66850	152.913	ug/l #	7
95) Naphthalene	15.41	128	85222	18.228	ug/l	99

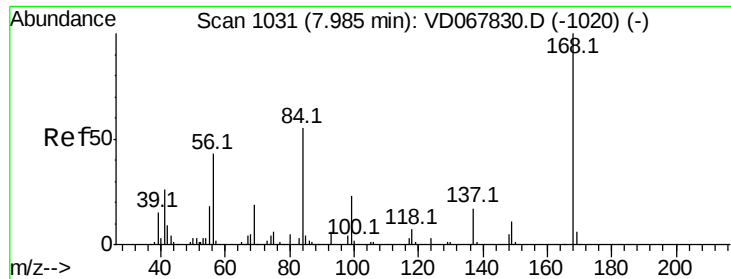
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

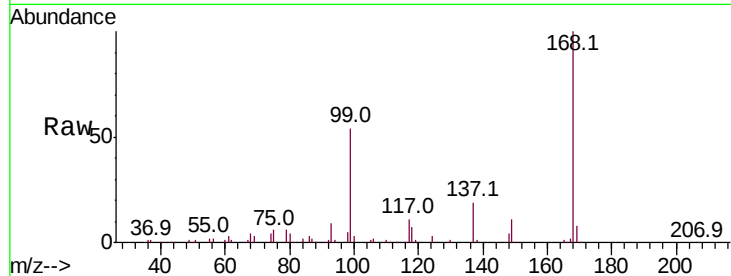
PAV-B47-113020-0-1

Tot Ion:168 Resp: 223628

Ion Ratio Lower Upper

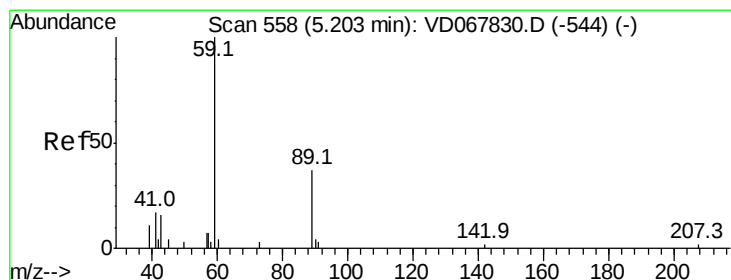
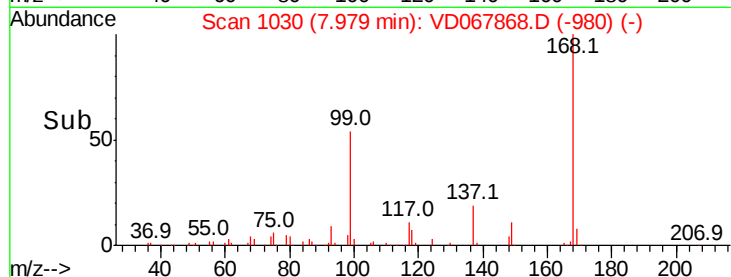
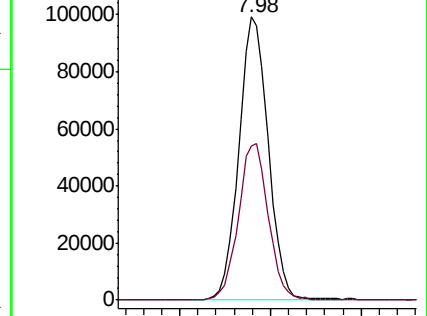
168 100

99 54.2 47.1 70.7



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: 5.19 min Scan# 555

Delta R.T. -0.02 min

Lab File: VD067868.D

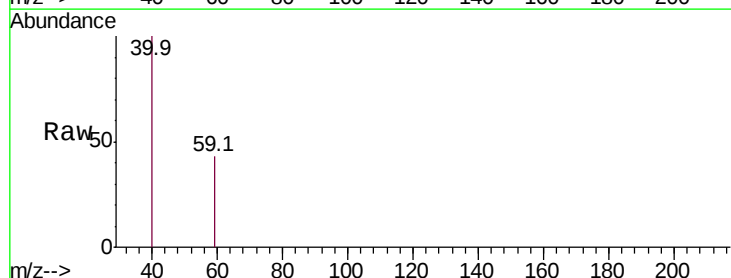
Acq: 03 Dec 2020 15:22

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

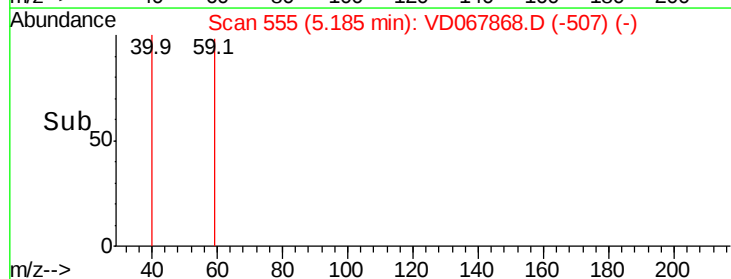
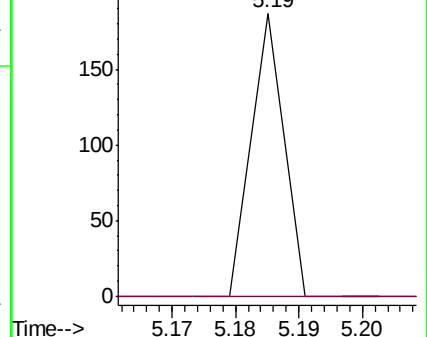
59 100

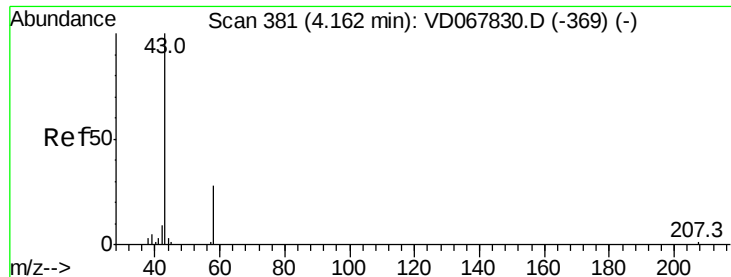
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 14.542 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

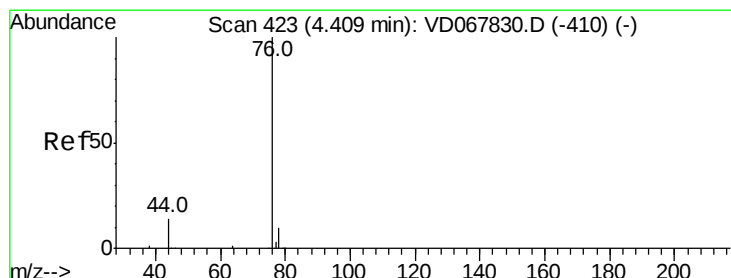
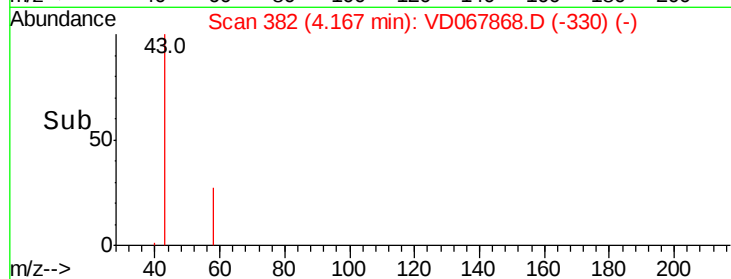
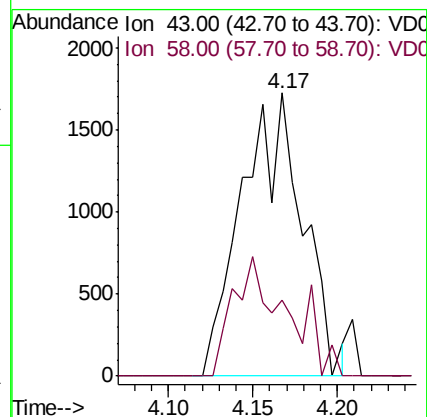
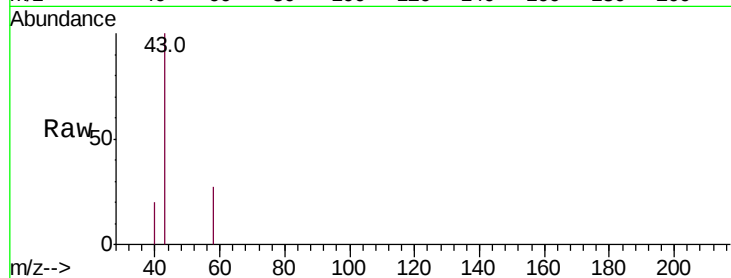
PAV-B47-113020-0-1

Tot Ion: 43 Resp: 4314

Ion Ratio Lower Upper

43 100

58 26.7 21.9 32.9



#17

Carbon Disulfide

Concen: 3.865 ug/l

RT: 4.42 min Scan# 425

Delta R.T. 0.01 min

Lab File: VD067868.D

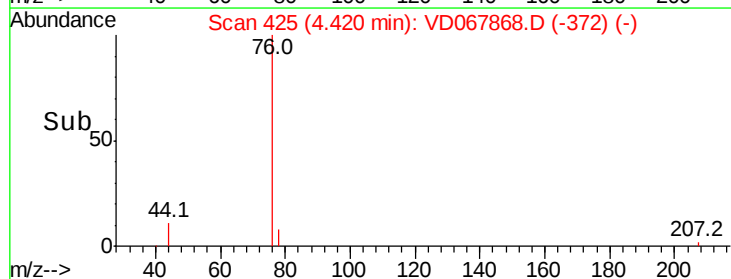
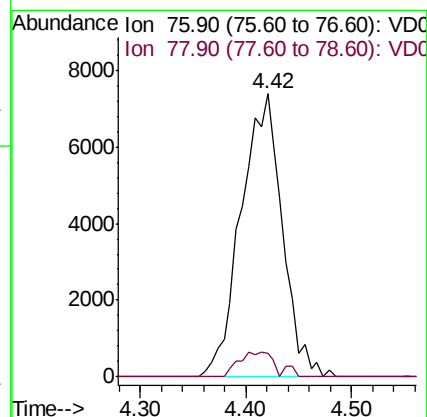
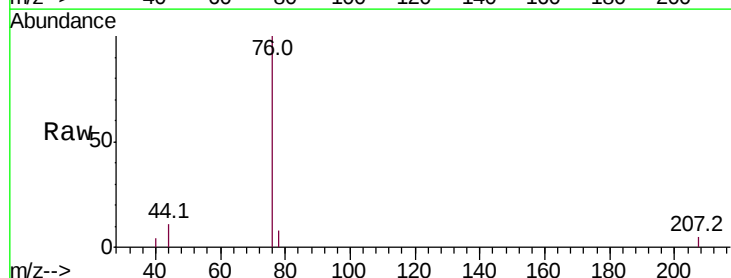
Acq: 03 Dec 2020 15:22

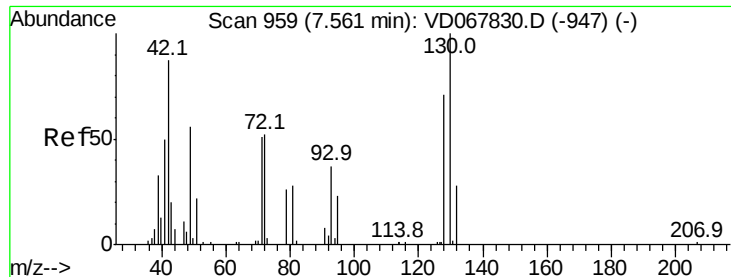
Tgt Ion: 76 Resp: 19999

Ion Ratio Lower Upper

76 100

78 8.3 7.8 11.6

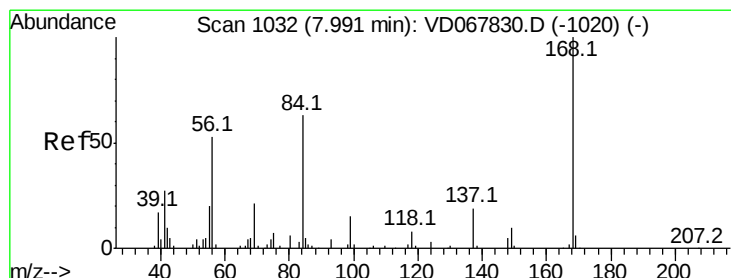
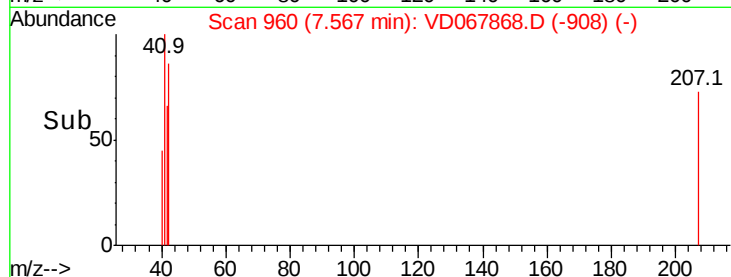
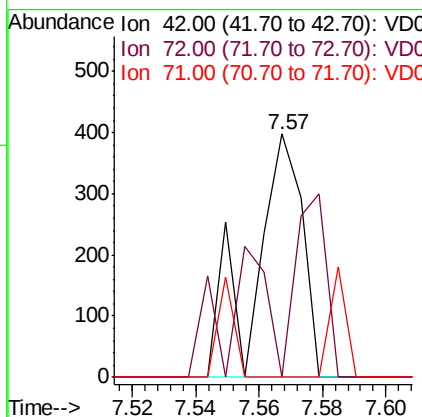
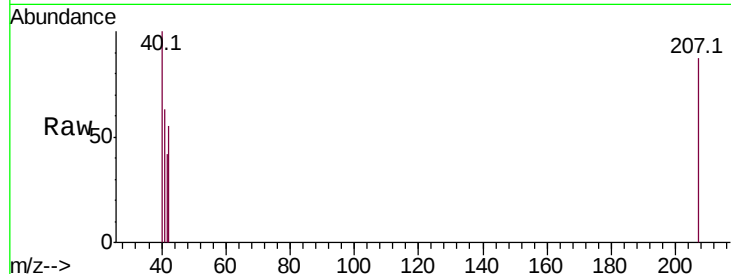




#29
Tetrahydrofuran
Concen: 2.342 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067868.D
Acq: 03 Dec 2020 15:22

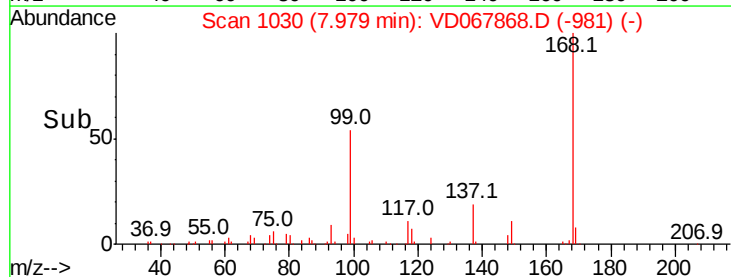
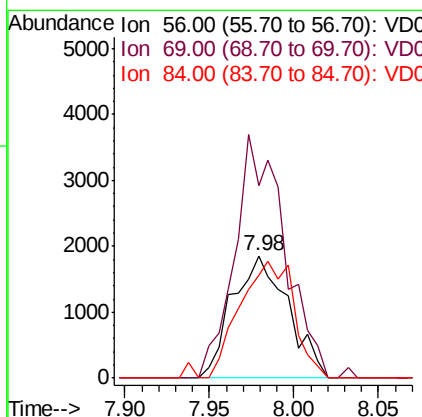
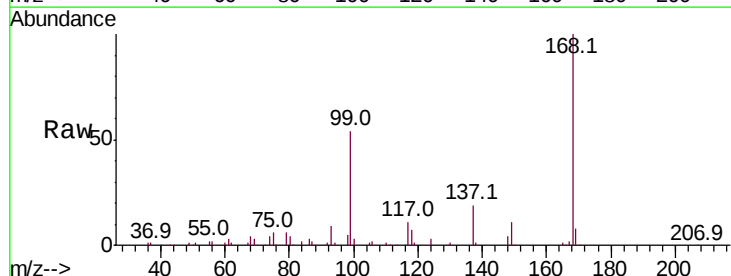
Instrument :
MSVOA_D
ClientSampleId :
PAV-B47-113020-0-1

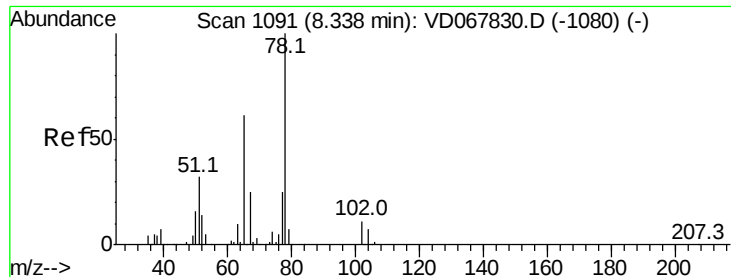
Tot Ion: 42 Resp: 416
Ion Ratio Lower Upper
42 100
72 47.8 51.9 77.9#
71 15.1 48.2 72.4#



#31
Cyclohexane
Concen: 1.687 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067868.D
Acq: 03 Dec 2020 15:22

Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 157.0 32.1 48.1#
84 83.9 93.2 139.8#





#33

1,2-Dichloroethane-d4

Concen: 48.603 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

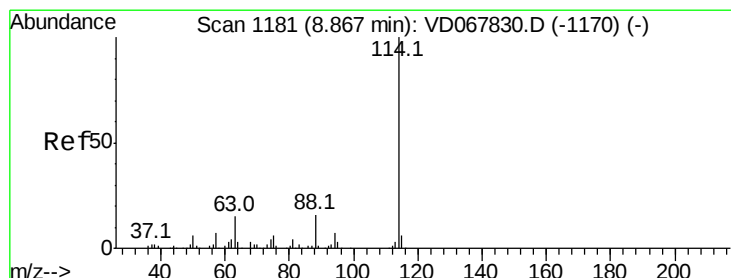
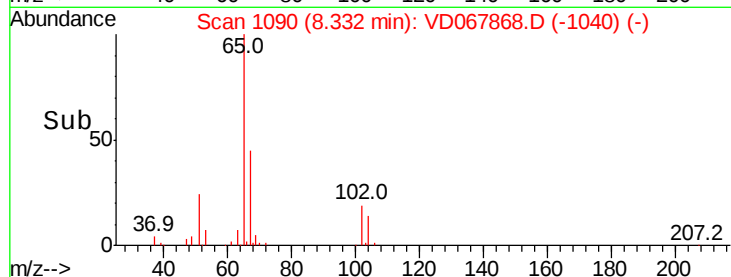
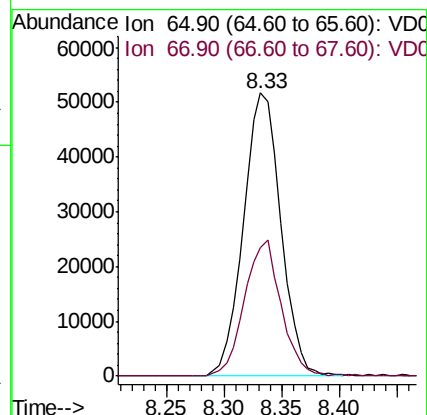
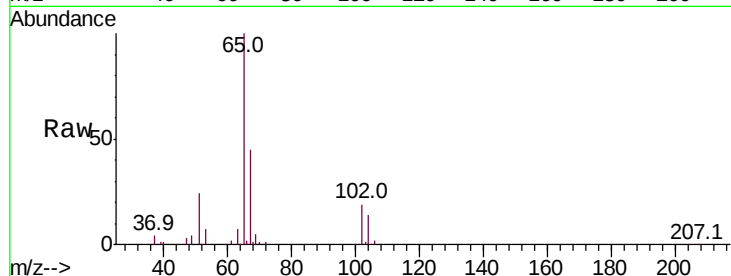
PAV-B47-113020-0-1

Tot Ion: 65 Resp: 116682

Ion Ratio Lower Upper

65 100

67 46.6 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: VD067868.D

Acq: 03 Dec 2020 15:22

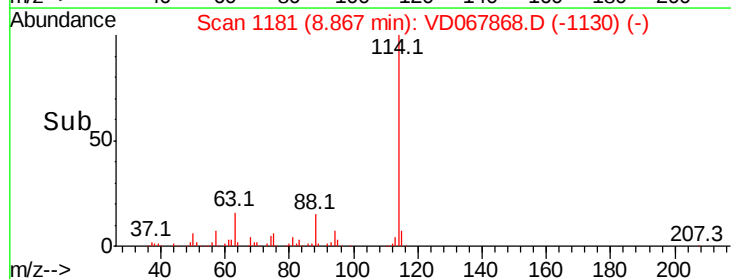
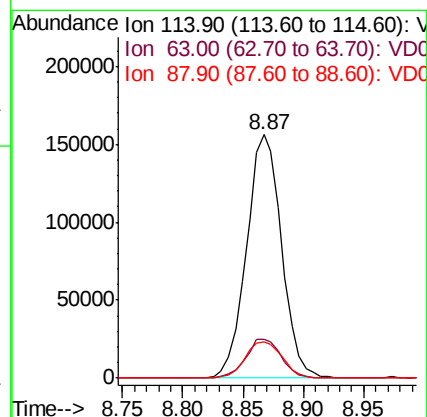
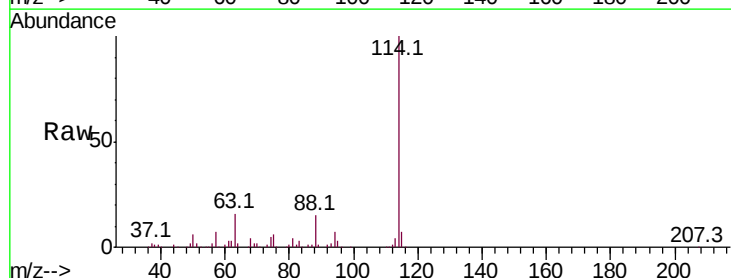
Tgt Ion: 114 Resp: 315558

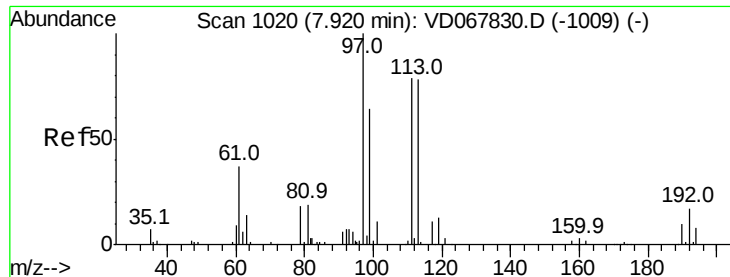
Ion Ratio Lower Upper

114 100

63 15.7 0.0 30.8

88 14.9 0.0 31.8

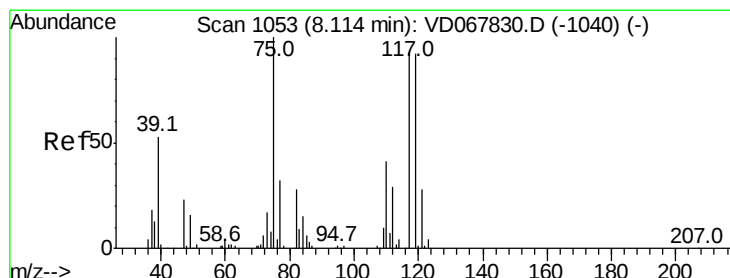
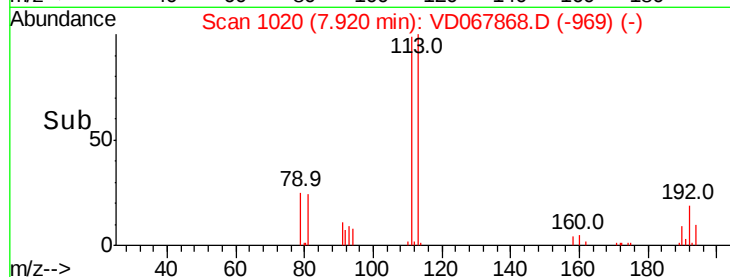
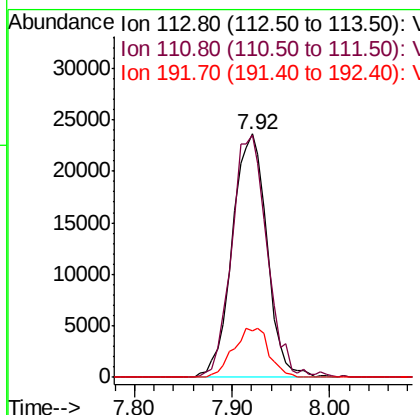
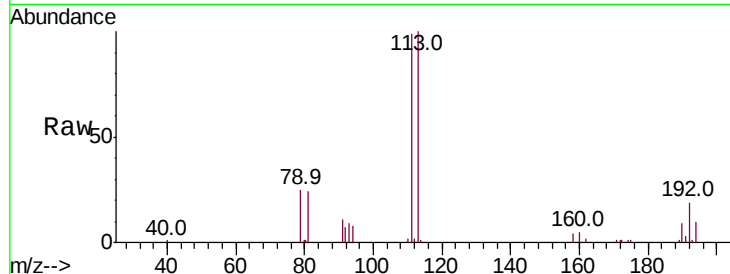




#35
 Dibromofluoromethane
 Concen: 27.700 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067868.D
 Acq: 03 Dec 2020 15:22

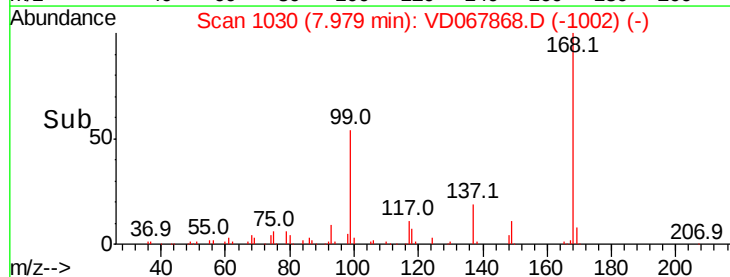
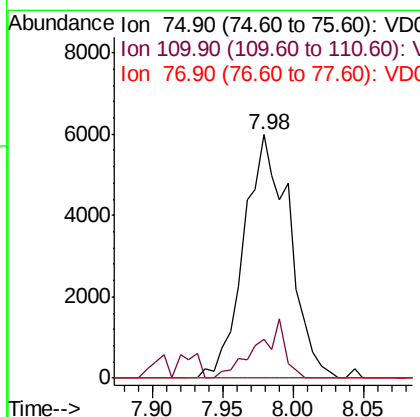
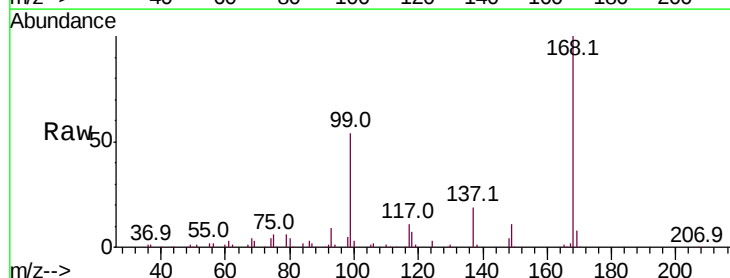
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B47-113020-0-1

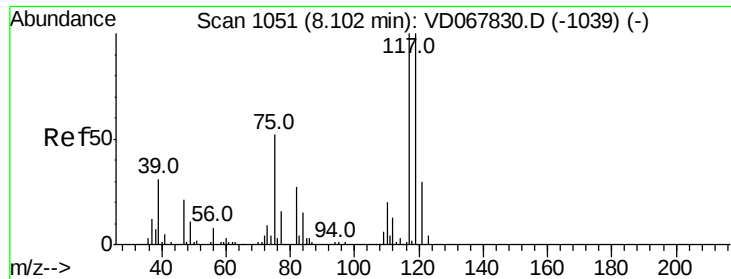
Tot Ion:113 Resp: 58490
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.2 121.8
 192 20.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067868.D
 Acq: 03 Dec 2020 15:22

Tgt Ion: 75 Resp: 13552
 Ion Ratio Lower Upper
 75 100
 110 15.0 20.3 61.0#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B47-113020-0-1

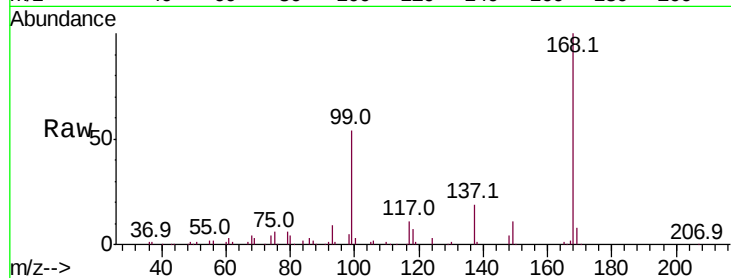
Tot Ion:117 Resp: 24170

Ion Ratio Lower Upper

117 100

119 5.0 79.7 119.5#

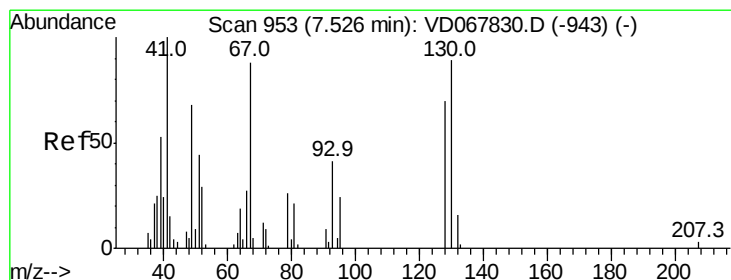
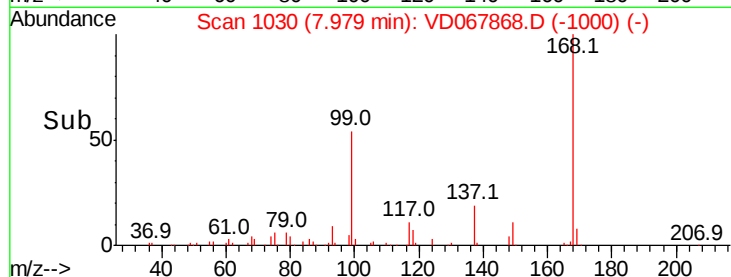
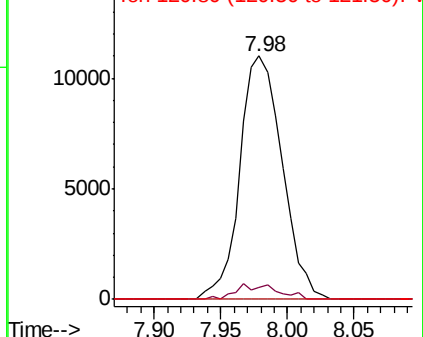
121 0.0 23.8 35.6#



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: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Tgt Ion: 41 Resp: 353

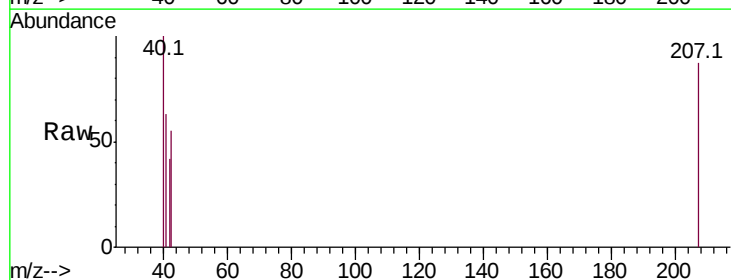
Ion Ratio Lower Upper

41 100

39 34.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

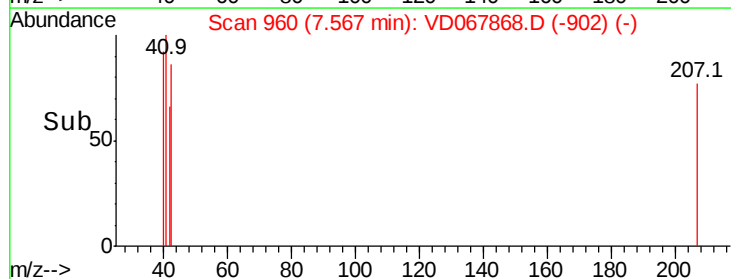
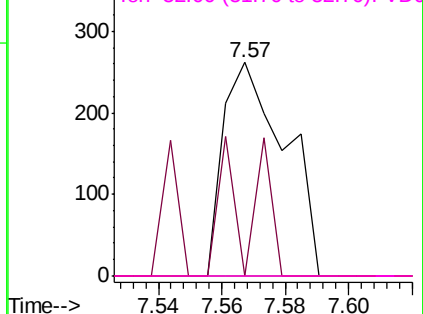


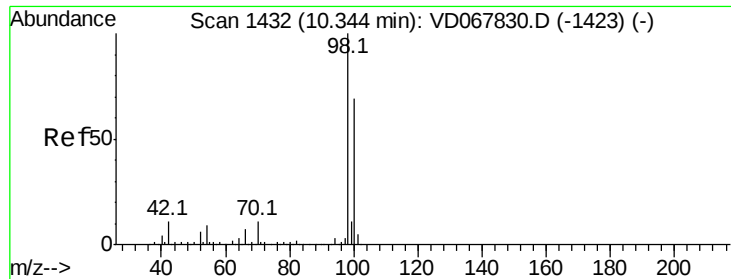
Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 47.312 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

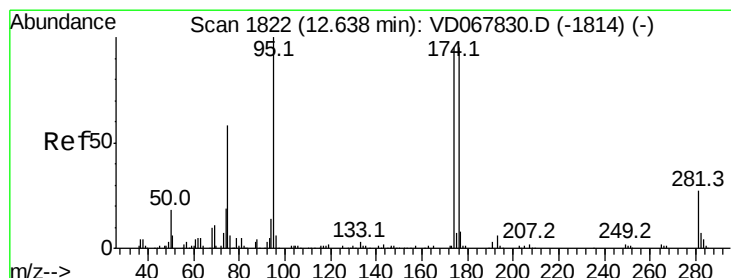
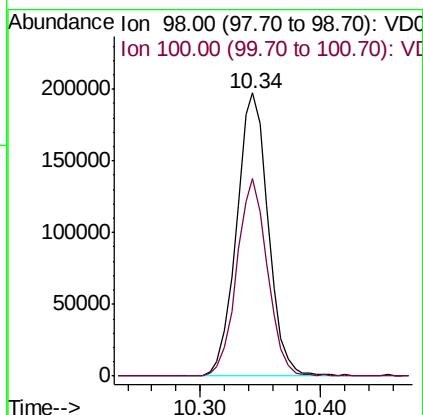
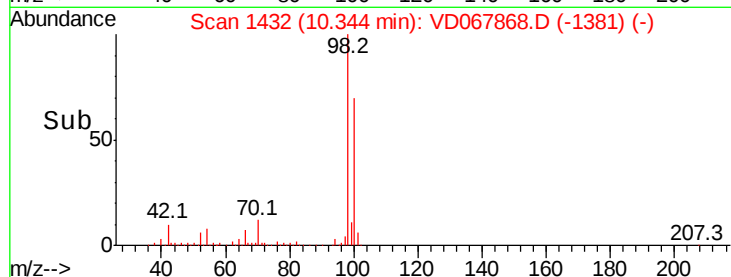
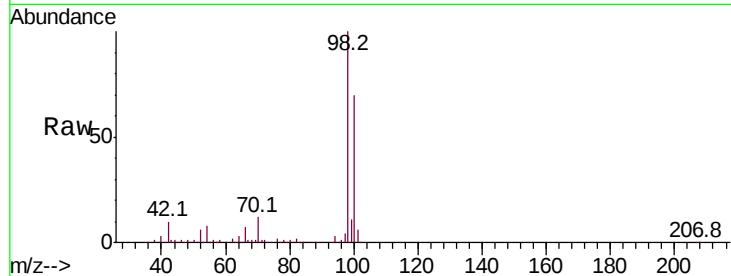
PAV-B47-113020-0-1

Tot Ion: 98 Resp: 359623

Ion Ratio Lower Upper

98 100

100 68.0 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.233 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

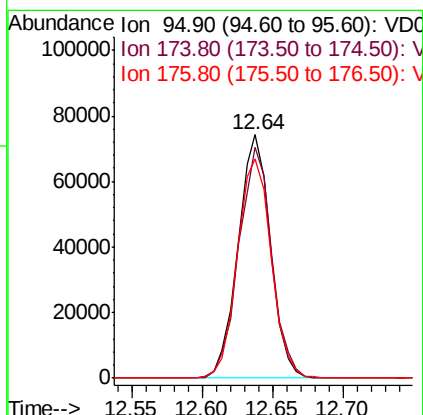
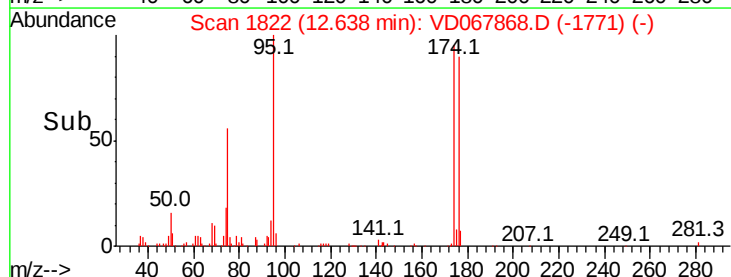
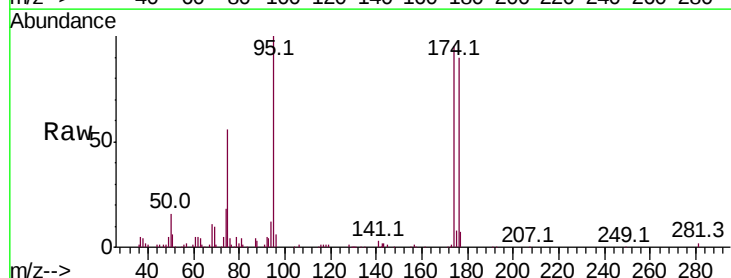
Tgt Ion: 95 Resp: 118869

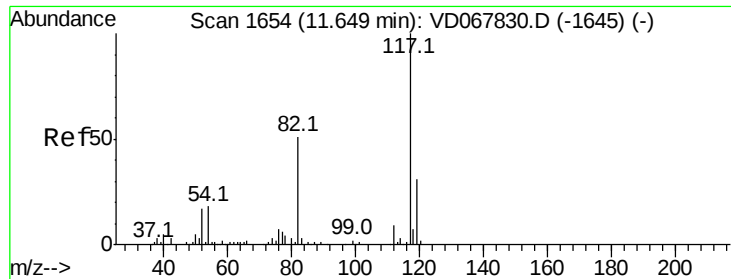
Ion Ratio Lower Upper

95 100

174 96.1 0.0 186.0

176 94.0 0.0 184.2

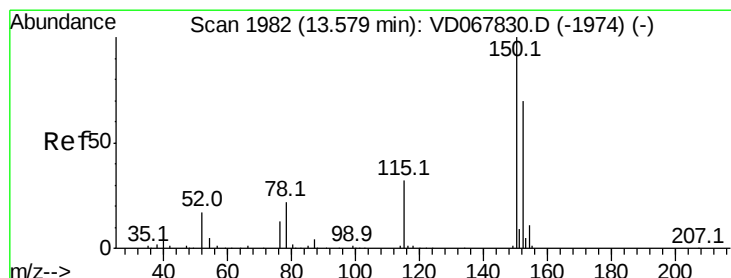
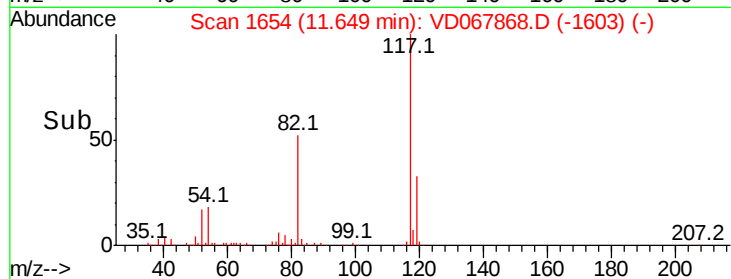
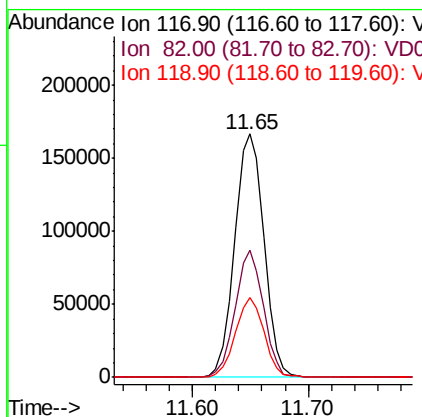
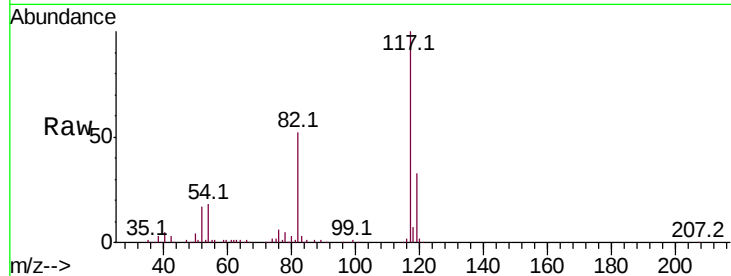




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067868.D
Acq: 03 Dec 2020 15:22

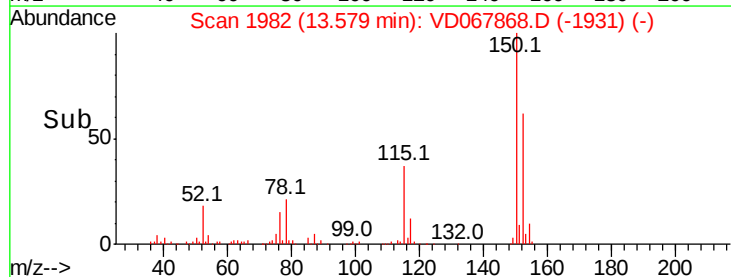
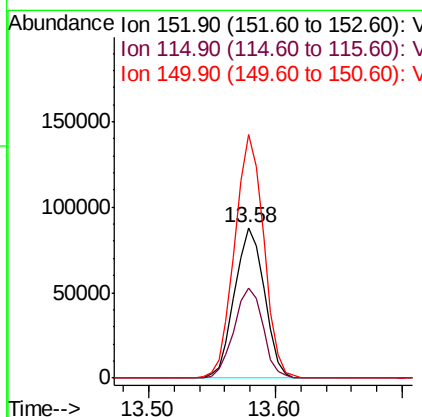
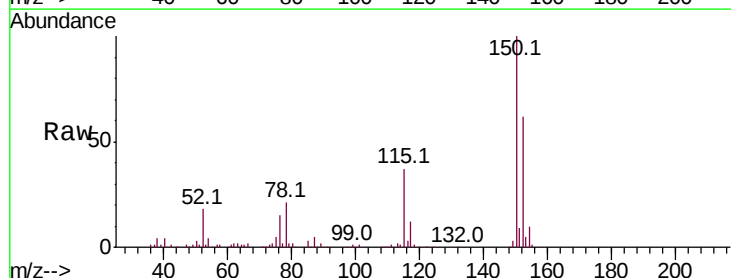
Instrument :
MSVOA_D
ClientSampleId :
PAV-B47-113020-0-1

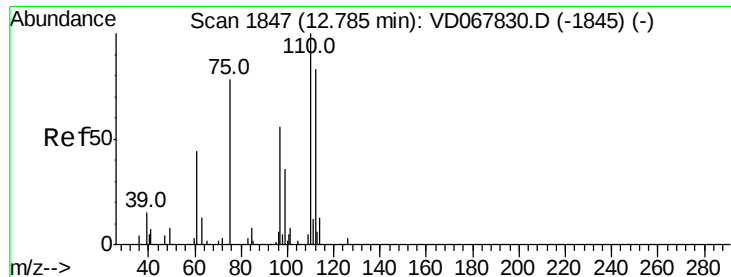
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.6	60.8
119	32.6	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067868.D
Acq: 03 Dec 2020 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.1	87.4
150	157.3	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 63.924 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

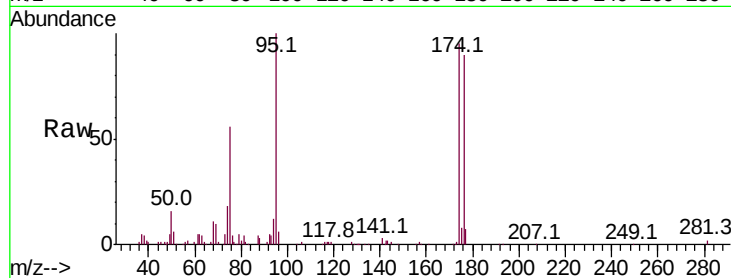
PAV-B47-113020-0-1

Tot Ion: 75 Resp: 66850

Ion Ratio Lower Upper

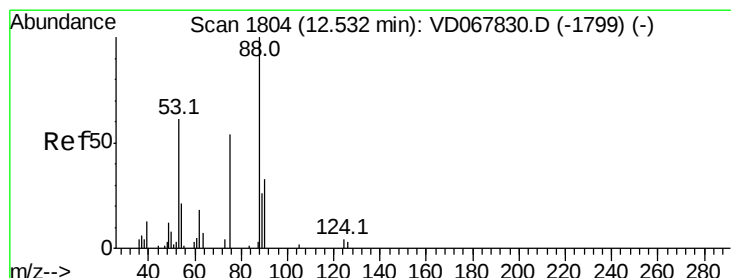
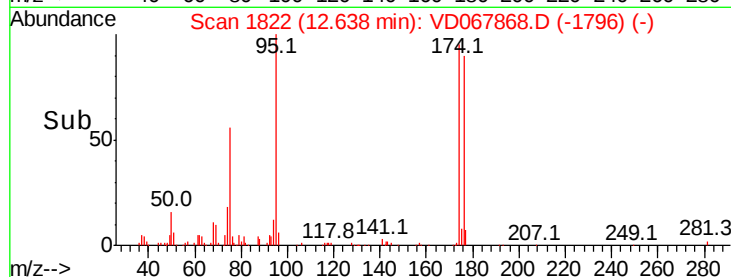
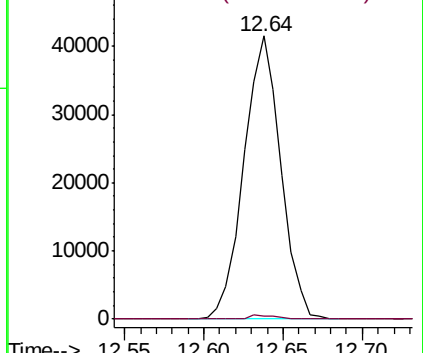
75 100

77 0.9 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 152.913 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

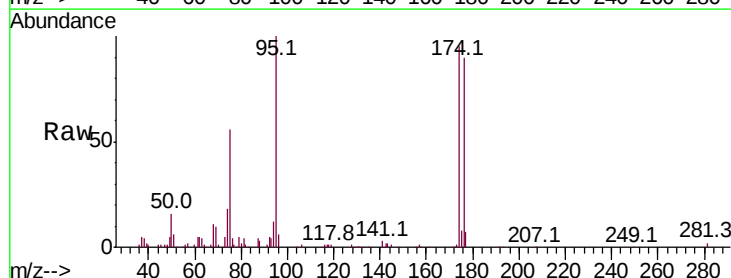
Tgt Ion: 75 Resp: 66850

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

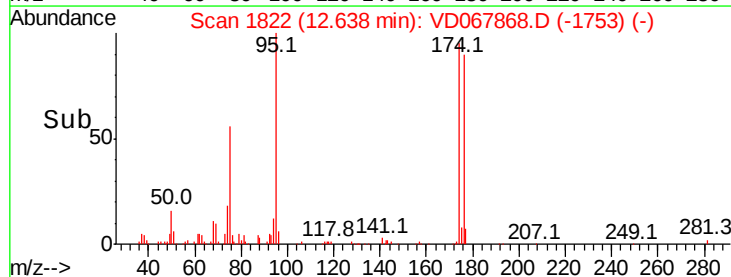
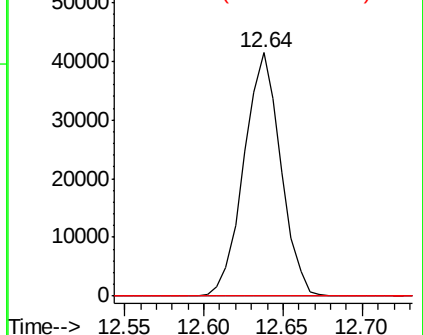
89 0.0 41.0 61.6#

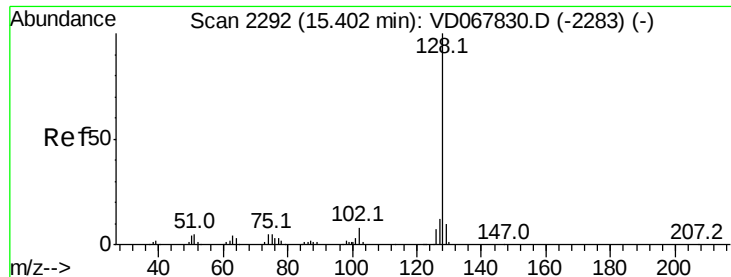


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 18.228 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067868.D

Acq: 03 Dec 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B47-113020-0-1

Tot Ion:128 Resp: 85222

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.7 9.0 13.6

