

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067841.D
 Acq On : 02 Dec 2020 17:48
 Operator : VA/SY
 Sample : L4882-07RE
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B48-112320-15.5-16.5

Quant Time: Dec 03 00:35:46 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	244122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	351207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	122015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	125314	47.82	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.64%
35) Dibromofluoromethane	7.92	113	107117	45.58	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.16%
50) Toluene-d8	10.34	98	396589	46.88	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.76%
62) 4-Bromofluorobenzene	12.64	95	117968	40.33	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.66%

Target Compounds

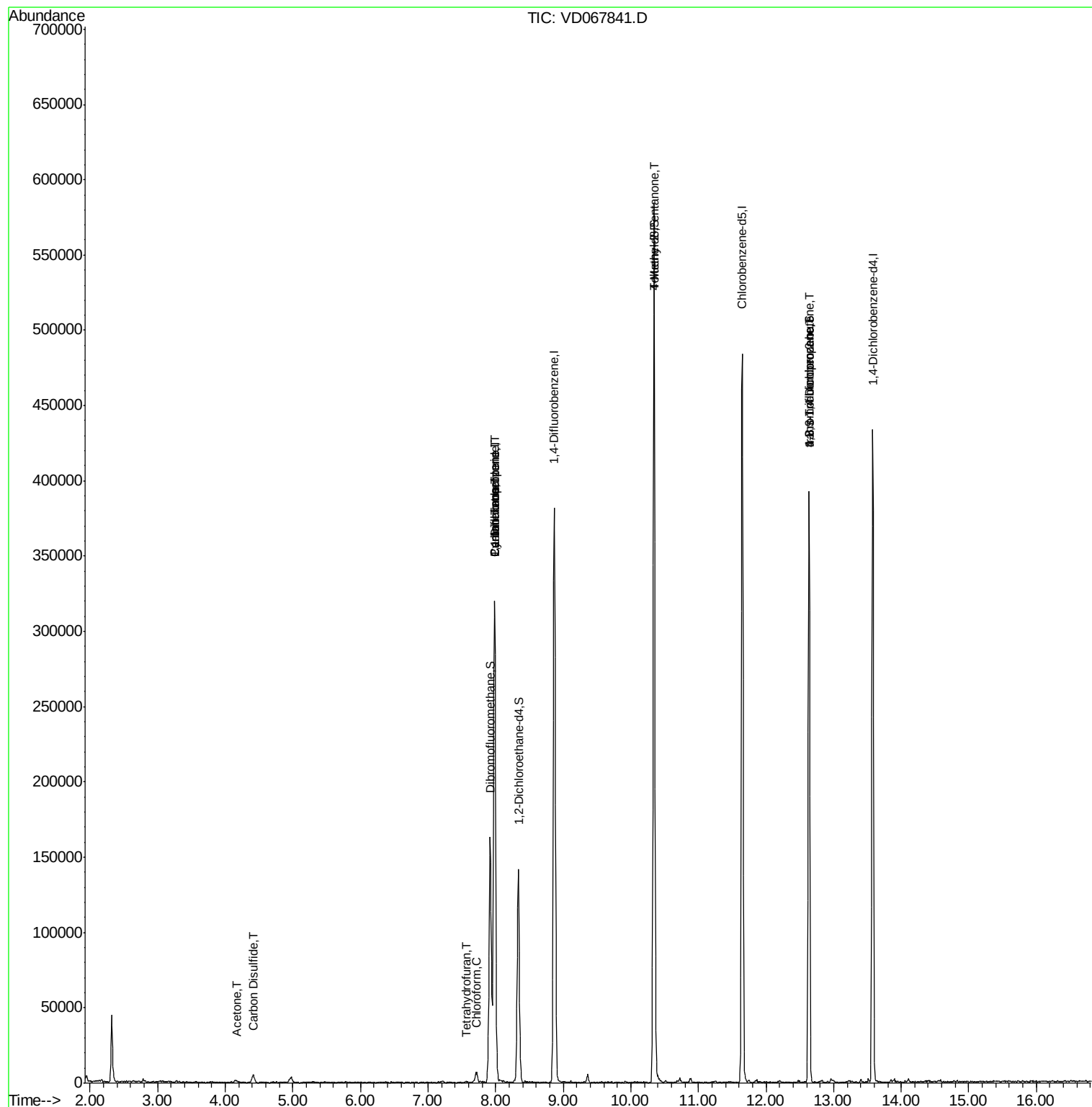
					Qvalue
16) Acetone	4.17	43	2759	8.520	ug/l 99
17) Carbon Disulfide	4.42	76	10101	1.788	ug/l # 94
20) Methylene Chloride	4.96	84	1886	Below Cal	# 74
29) Tetrahydrofuran	7.56	42	477	2.459	ug/l # 57
30) Chloroform	7.72	83	5542	1.257	ug/l # 76
31) Cyclohexane	7.98	56	5293	1.917	ug/l # 31
36) 1,1-Dichloropropene	7.98	75	17075	5.616	ug/l # 50
38) Carbon Tetrachloride	7.98	117	25119	5.460	ug/l # 15
41) Methacrylonitrile	7.58	41	136	Below Cal	# 14
51) 4-Methyl-2-Pentanone	10.34	43	1514	1.984	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	63207	71.135	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.64	75	63207	170.161	ug/l # 7

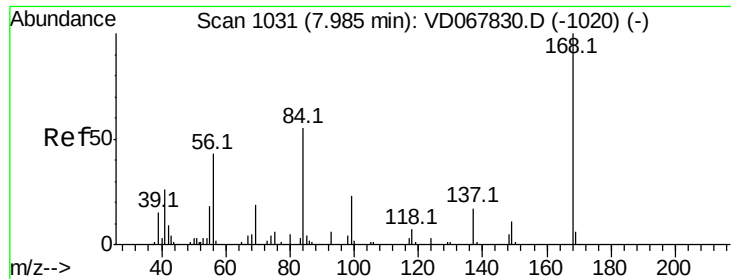
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

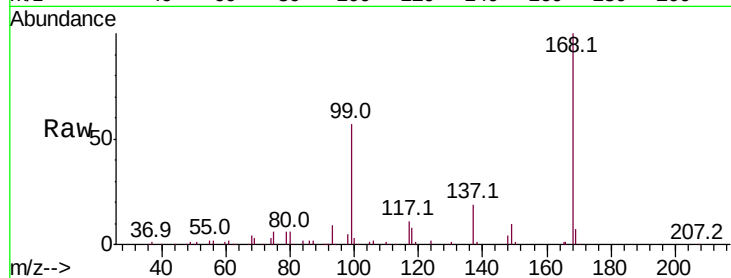
PAV-B48-112320-15.5-16.5

Tot Ion:168 Resp: 244122

Ion Ratio Lower Upper

168 100

99 56.7 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

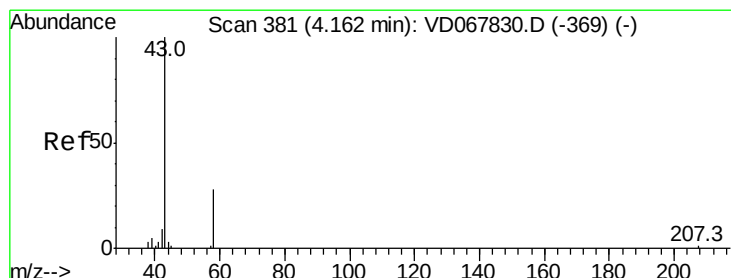
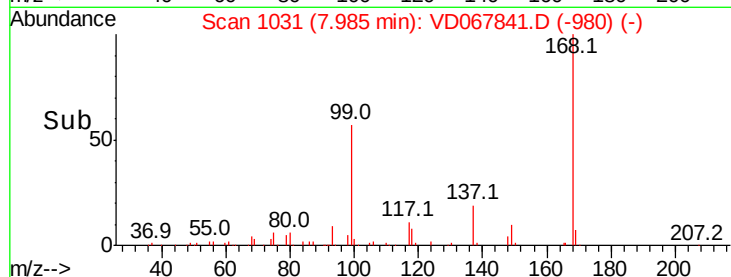
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 8.520 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067841.D

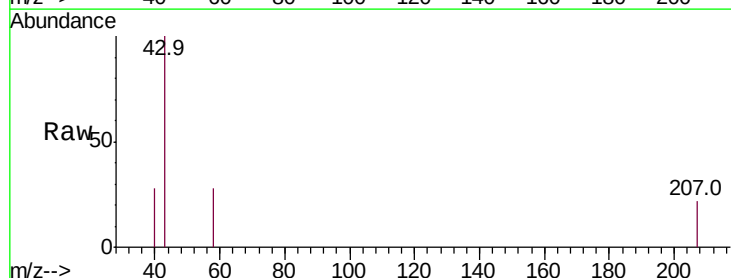
Acq: 02 Dec 2020 17:48

Tgt Ion: 43 Resp: 2759

Ion Ratio Lower Upper

43 100

58 27.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1200

1000

800

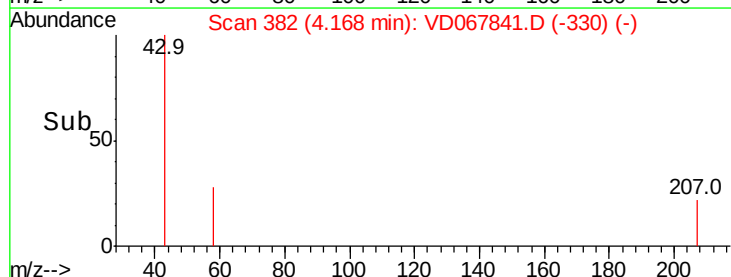
600

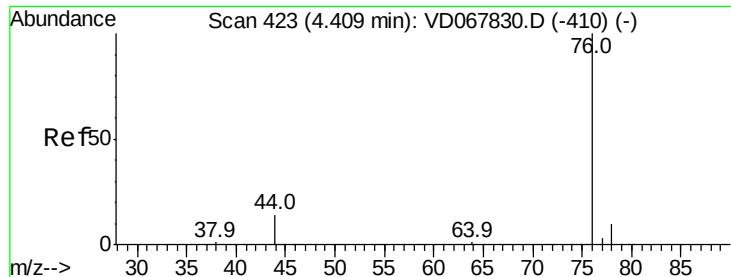
400

200

0

Time-->





#17

Carbon Disulfide

Concen: 1.788 ug/l

RT: 4.42 min Scan# 425

Delta R.T. 0.01 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

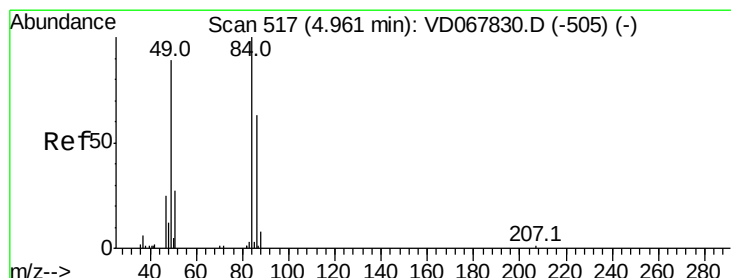
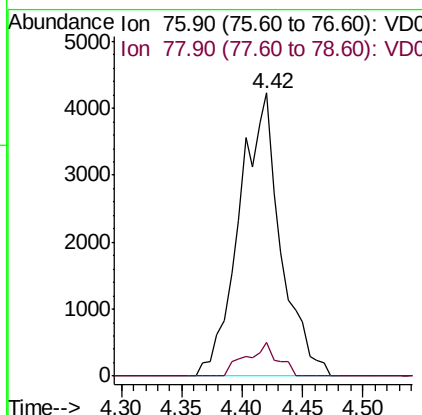
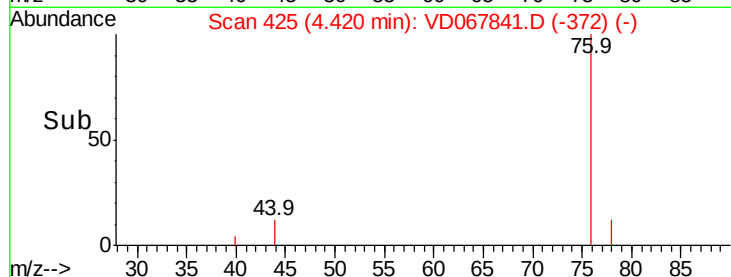
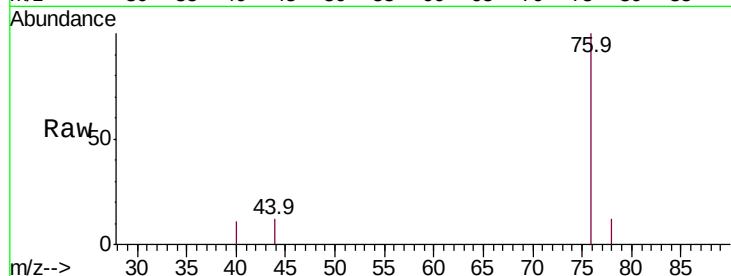
PAV-B48-112320-15.5-16.5

Tot Ion: 76 Resp: 10101

Ion Ratio Lower Upper

76 100

78 11.8 7.8 11.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

Tgt Ion: 84 Resp: 1886

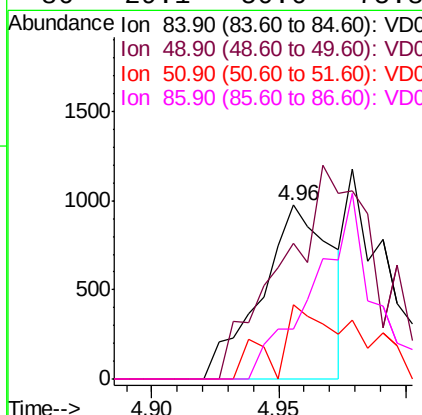
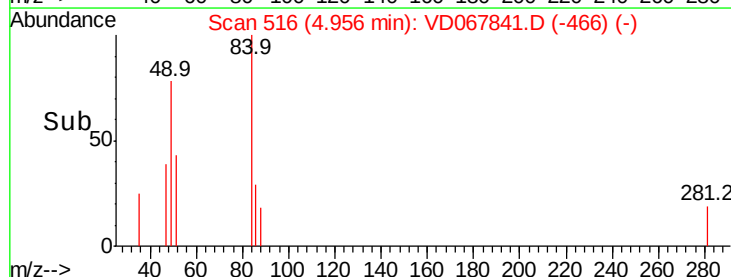
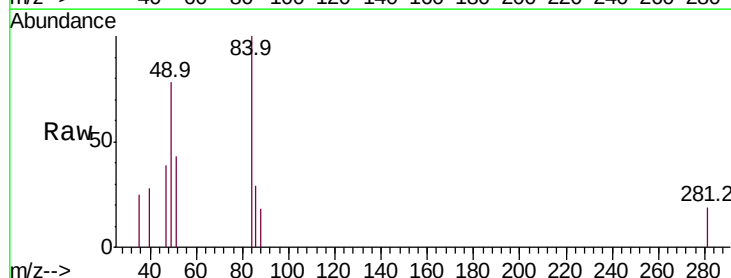
Ion Ratio Lower Upper

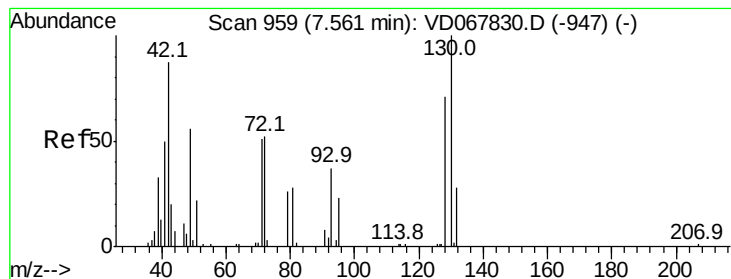
84 100

49 78.3 71.4 107.0

51 43.1 21.8 32.8#

86 29.1 50.6 75.8#





#29

Tetrahydrofuran

Concen: 2.459 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

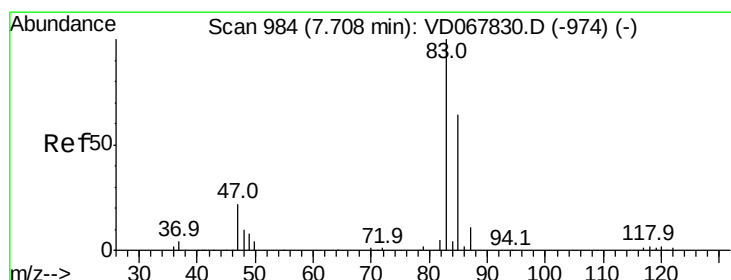
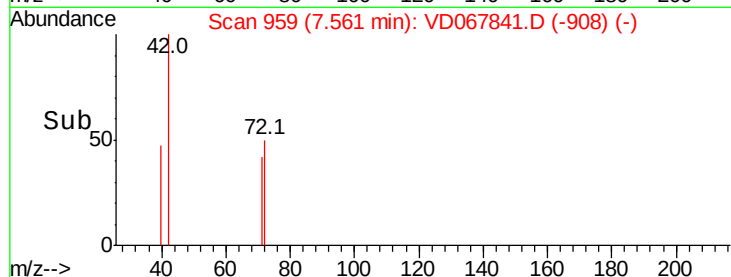
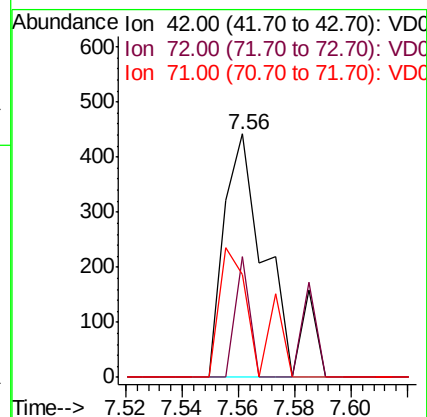
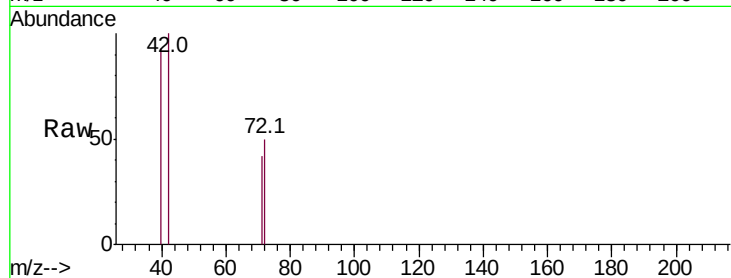
Tot Ion: 42 Resp: 477

Ion Ratio Lower Upper

42 100

72 16.1 51.9 77.9#

71 42.6 48.2 72.4#



#30

Chloroform

Concen: 1.257 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD067841.D

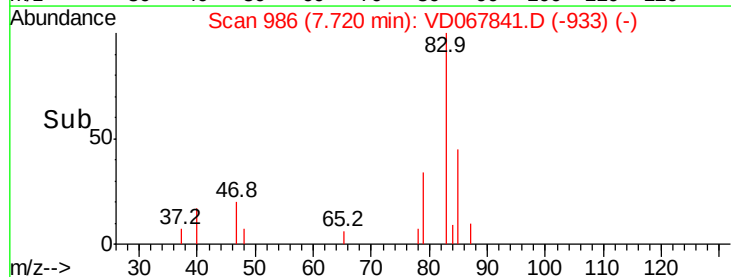
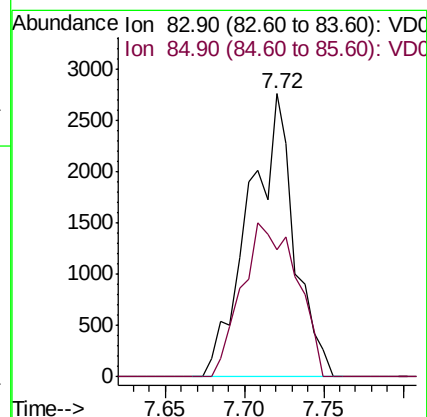
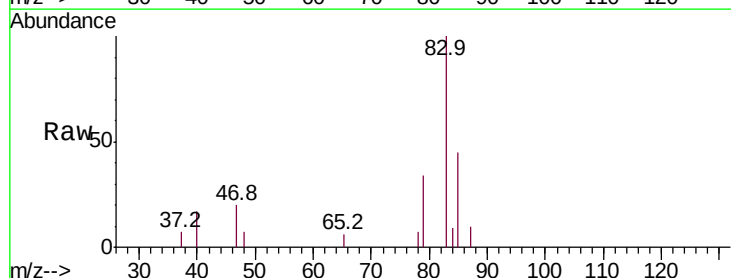
Acq: 02 Dec 2020 17:48

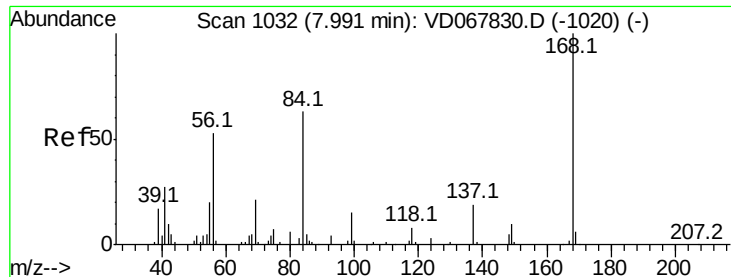
Tgt Ion: 83 Resp: 5542

Ion Ratio Lower Upper

83 100

85 44.8 51.0 76.4#

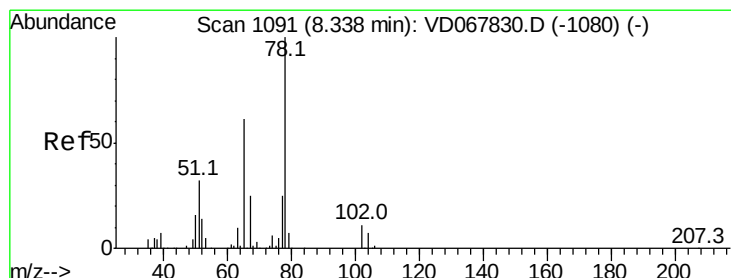
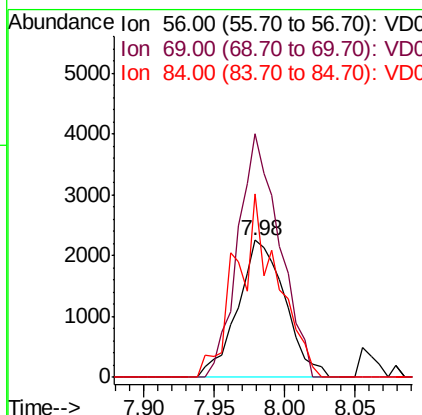
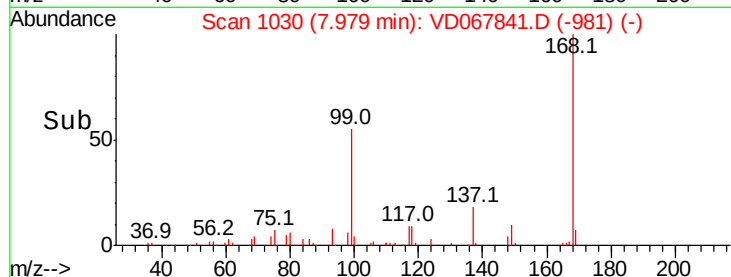
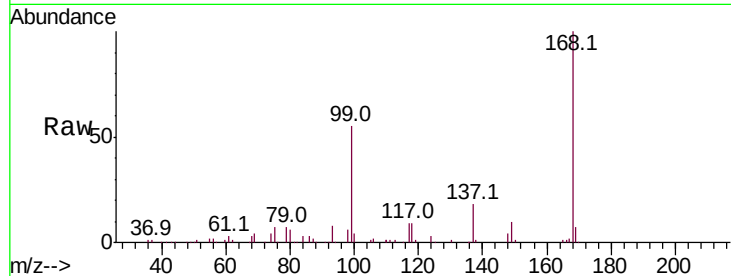




#31
Cyclohexane
Concen: 1.917 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067841.D
Acq: 02 Dec 2020 17:48

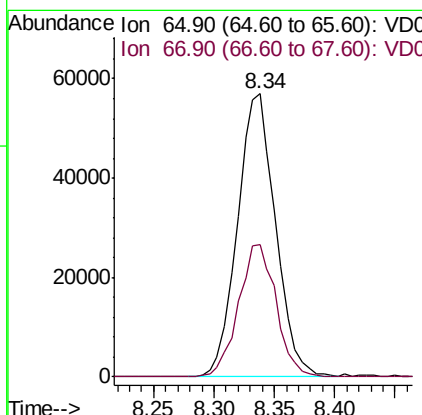
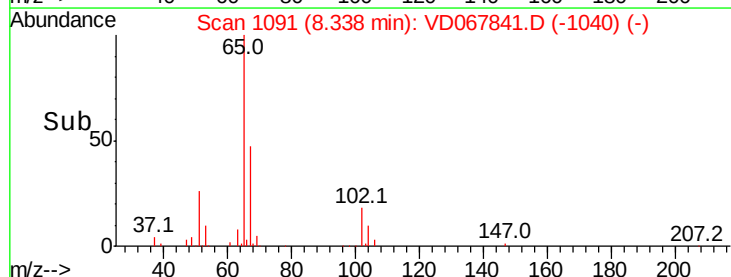
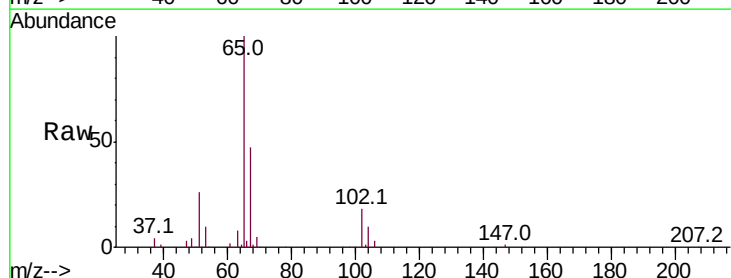
Instrument :
MSVOA_D
ClientSampleId :
PAV-B48-112320-15.5-16.5

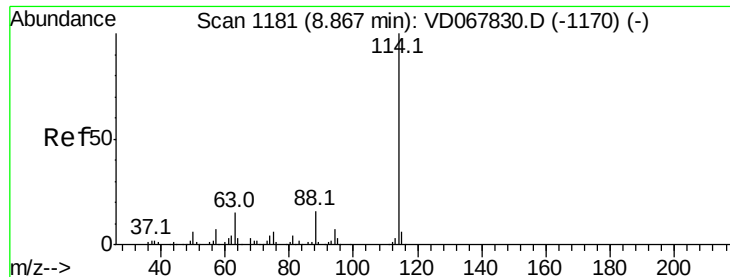
Tot Ion: 56 Resp: 5293
Ion Ratio Lower Upper
56 100
69 177.7 32.1 48.1#
84 133.6 93.2 139.8



#33
1,2-Dichloroethane-d4
Concen: 47.816 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067841.D
Acq: 02 Dec 2020 17:48

Tgt Ion: 65 Resp: 125314
Ion Ratio Lower Upper
65 100
67 46.3 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: VD067841.D

Acq: 02 Dec 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

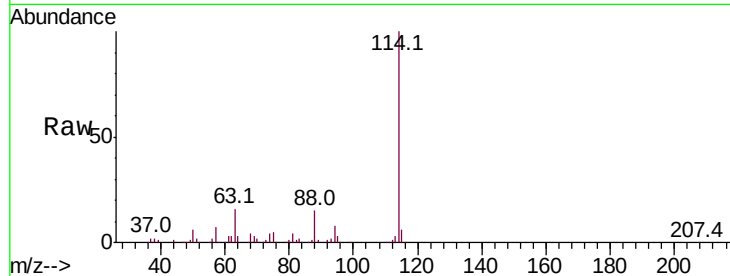
Tot Ion:114 Resp: 351207

Ion Ratio Lower Upper

114 100

63 16.1 0.0 30.8

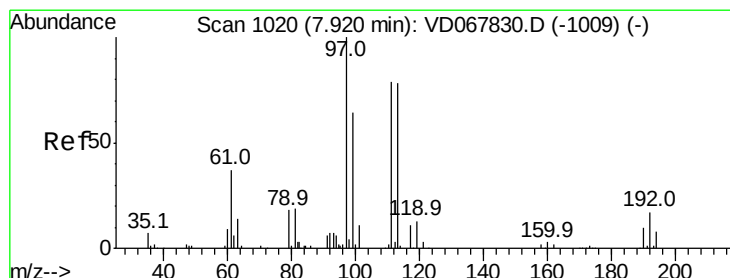
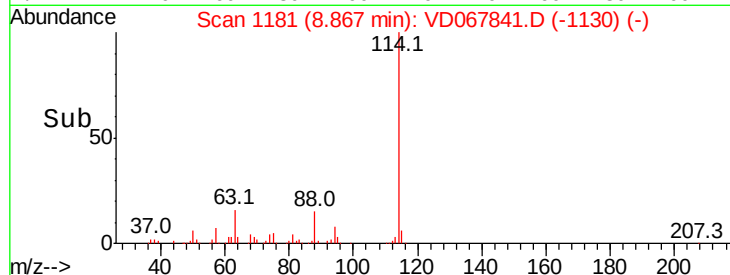
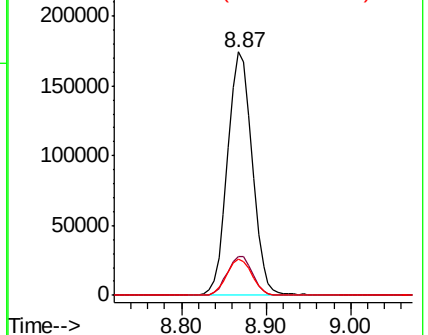
88 15.0 0.0 31.8



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: 45.580 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

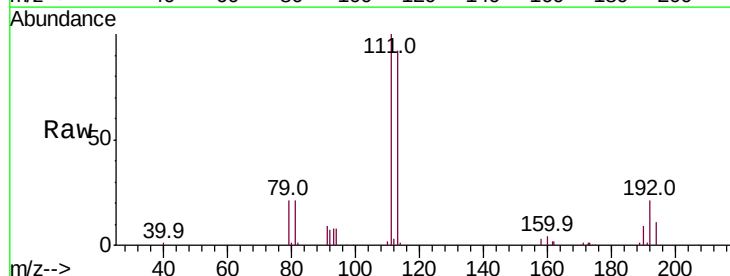
Tgt Ion:113 Resp: 107117

Ion Ratio Lower Upper

113 100

111 105.8 81.2 121.8

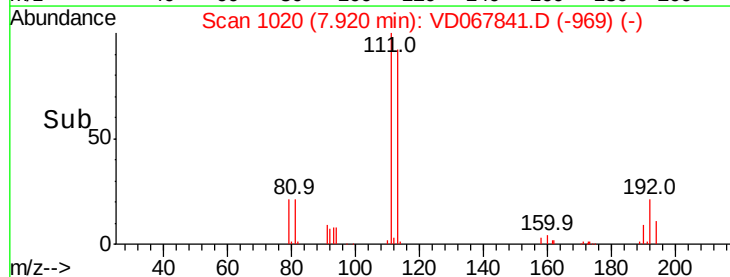
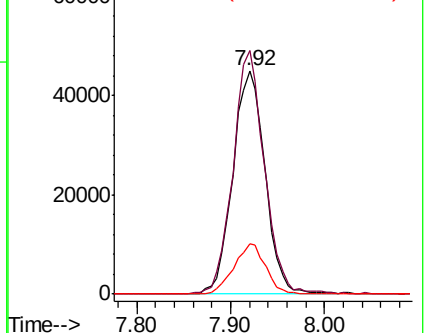
192 21.9 16.8 25.2

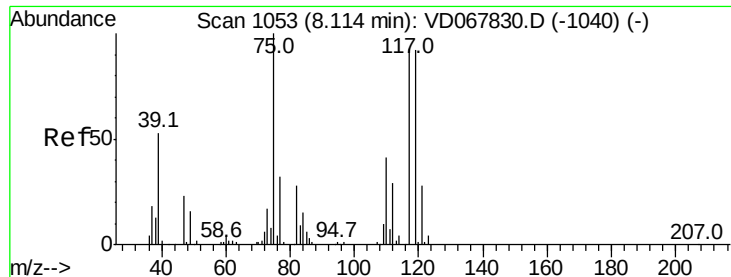


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.616 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

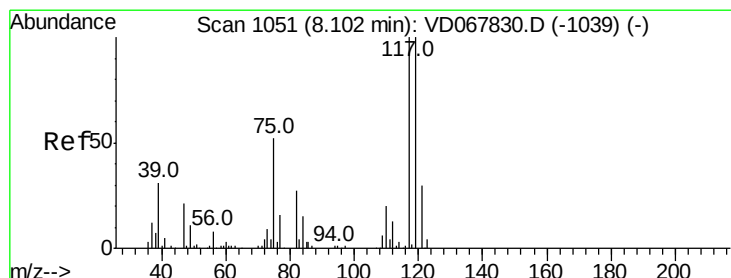
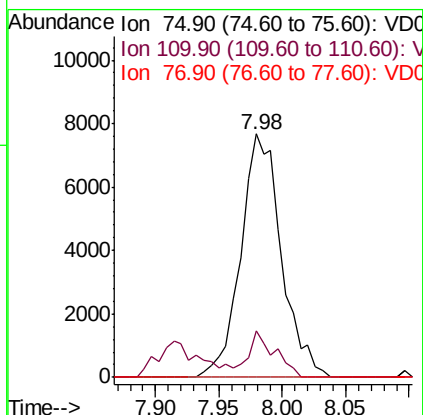
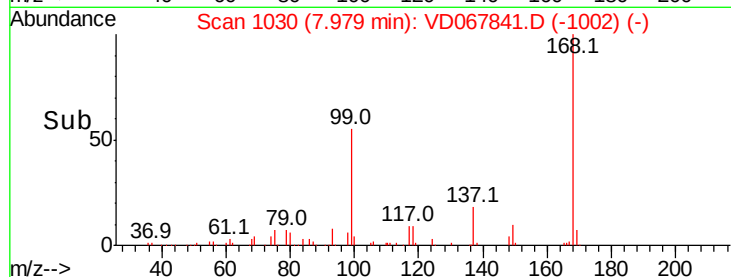
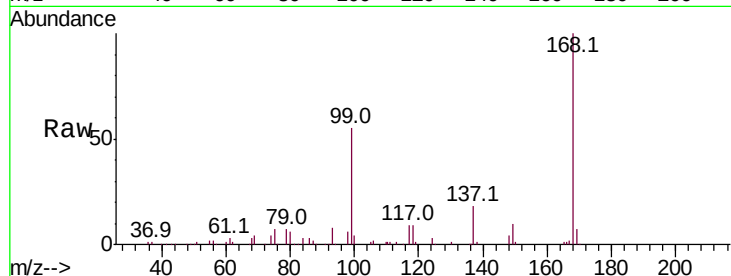
Tot Ion: 75 Resp: 17075

Ion Ratio Lower Upper

75 100

110 12.3 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.460 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

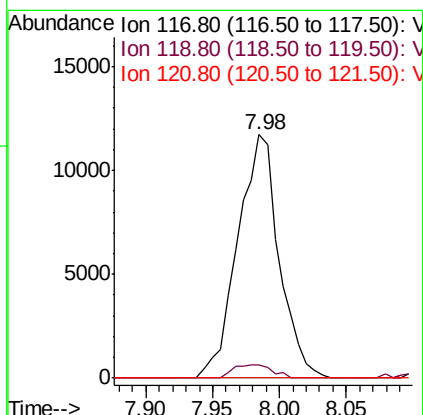
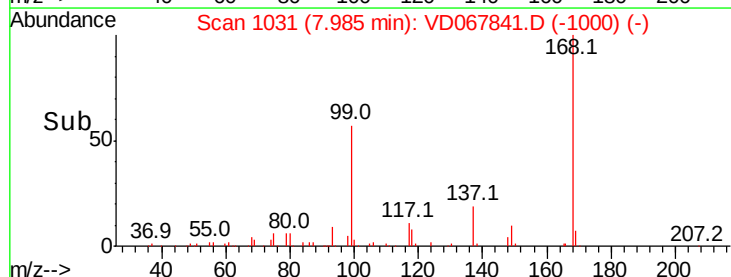
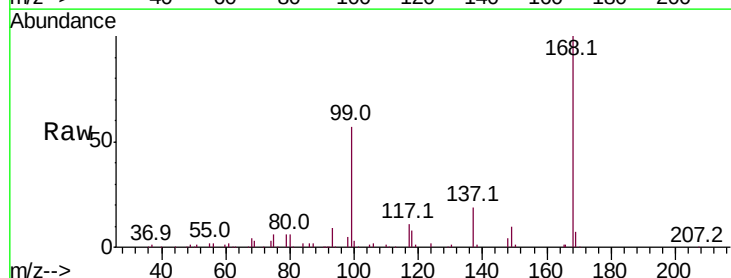
Tgt Ion: 117 Resp: 25119

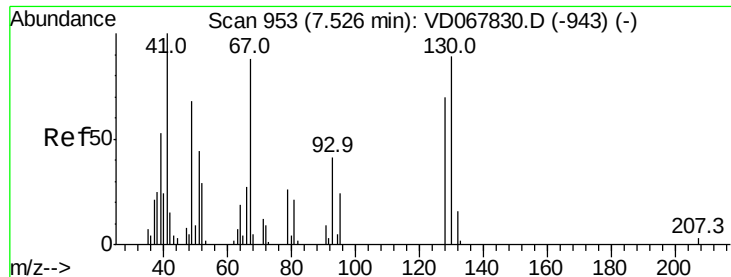
Ion Ratio Lower Upper

117 100

119 5.4 79.7 119.5#

121 0.0 23.8 35.6#

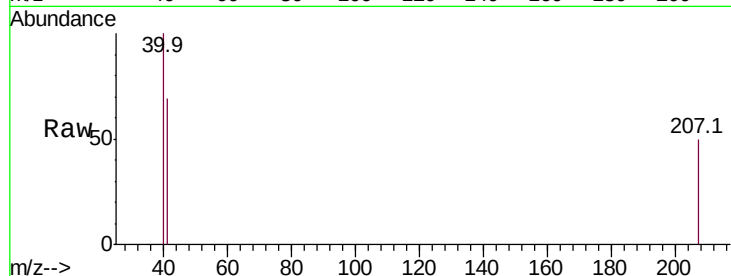




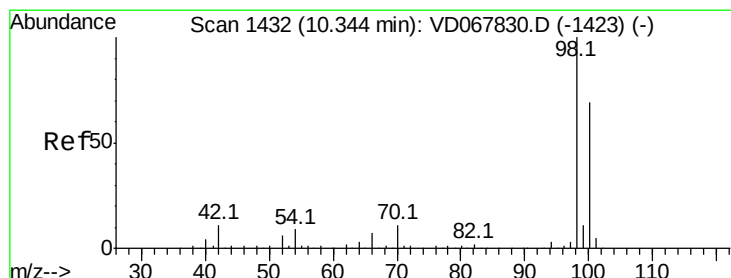
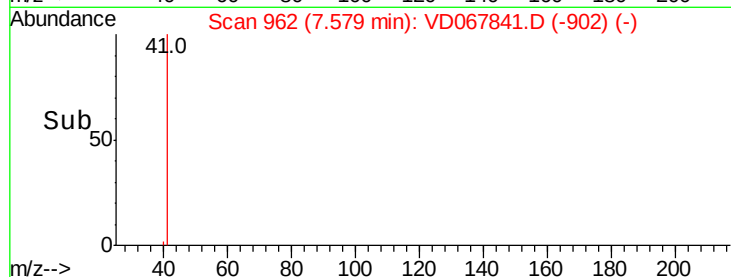
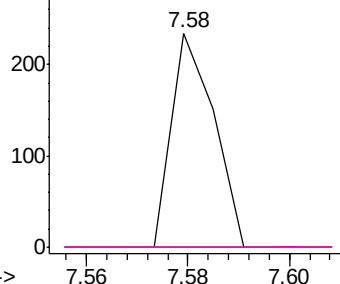
#41
Methacrylonitrile
Concen: Below Cal
RT: 7.58 min Scan# 962
Delta R.T. 0.05 min
Lab File: VD067841.D
Acq: 02 Dec 2020 17:48

Instrument :
MSVOA_D
ClientSampleId :
PAV-B48-112320-15.5-16.5

Tot Ion: 41 Resp: 136
Ion Ratio Lower Upper
41 100
39 0.0 42.1 63.1#
67 0.0 82.4 123.6#
52 0.0 30.6 45.8#

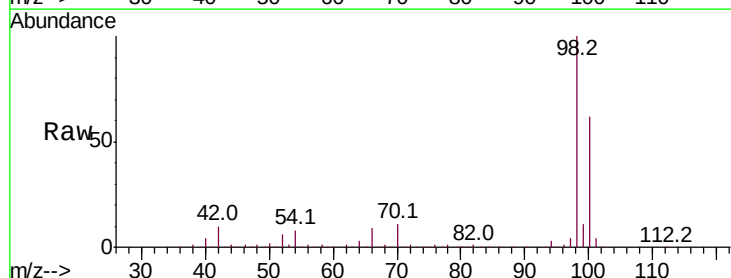


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

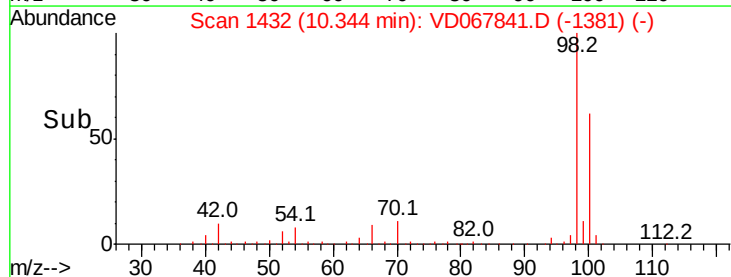
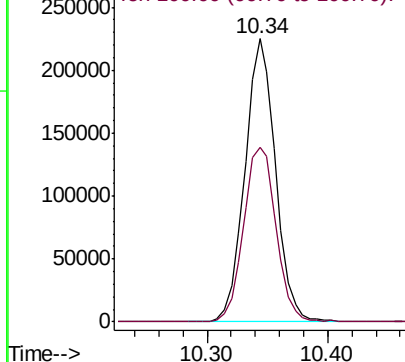


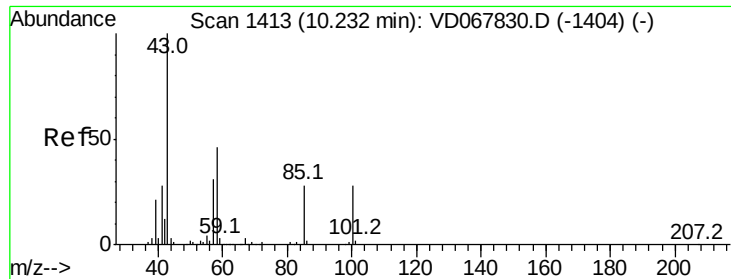
#50
Toluene-d8
Concen: 46.879 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067841.D
Acq: 02 Dec 2020 17:48

Tgt Ion: 98 Resp: 396589
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.984 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

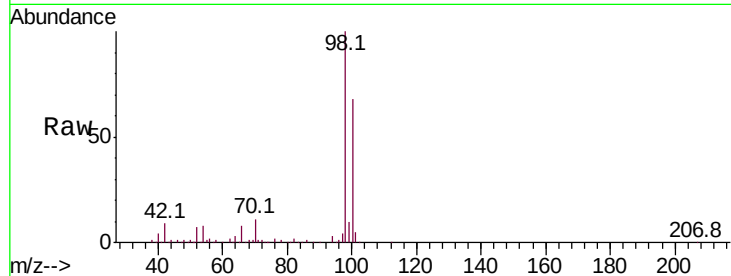
PAV-B48-112320-15.5-16.5

Tot Ion: 43 Resp: 1514

Ion Ratio Lower Upper

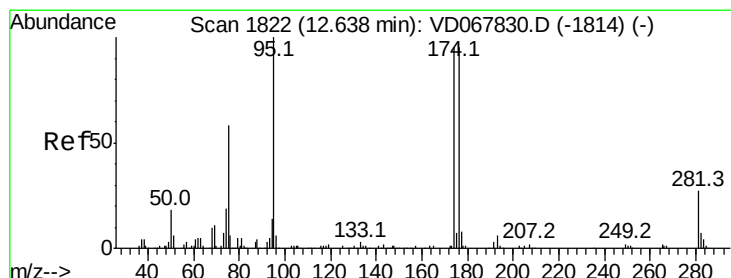
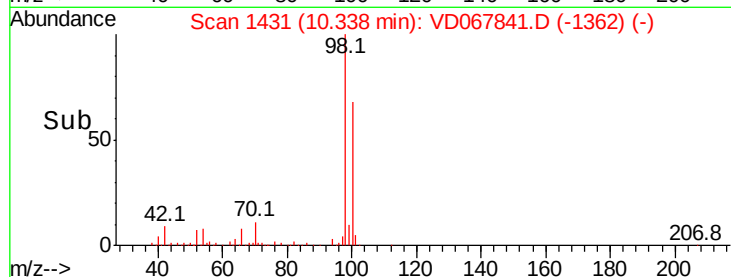
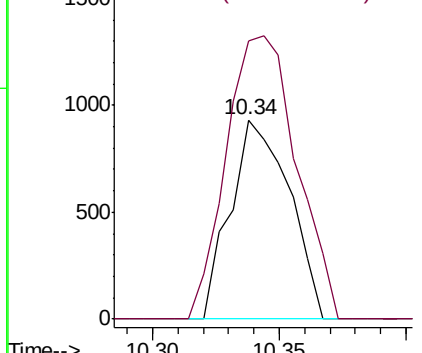
43 100

58 169.2 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 40.334 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067841.D

Acq: 02 Dec 2020 17:48

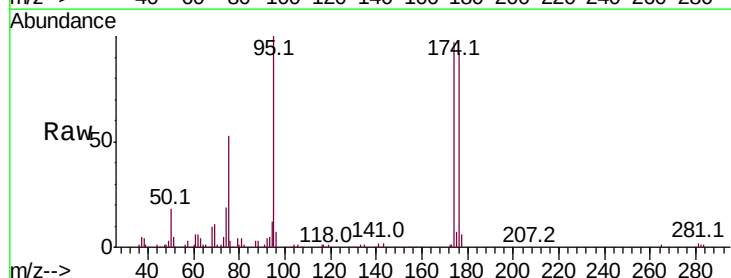
Tgt Ion: 95 Resp: 117968

Ion Ratio Lower Upper

95 100

174 95.5 0.0 186.0

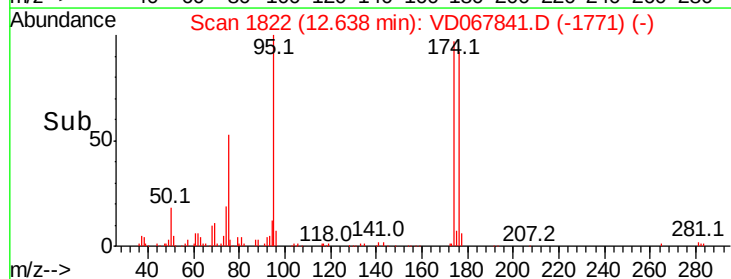
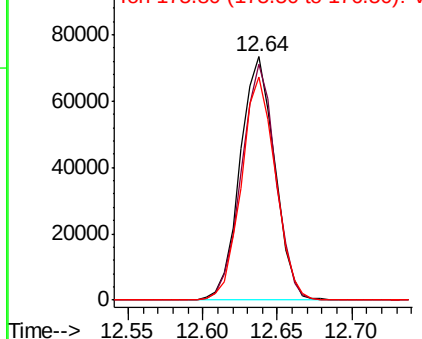
176 90.3 0.0 184.2

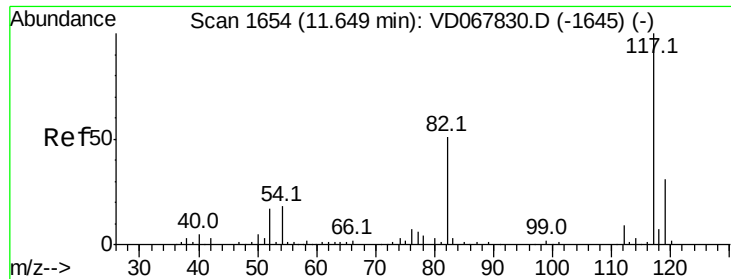


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

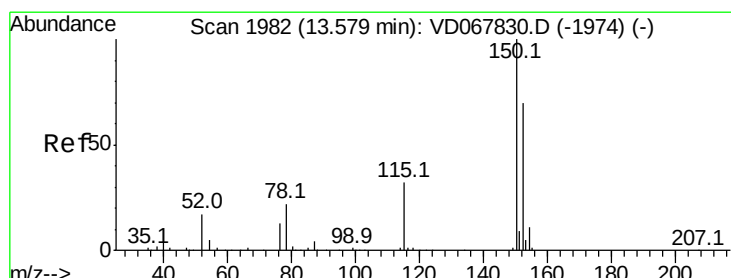
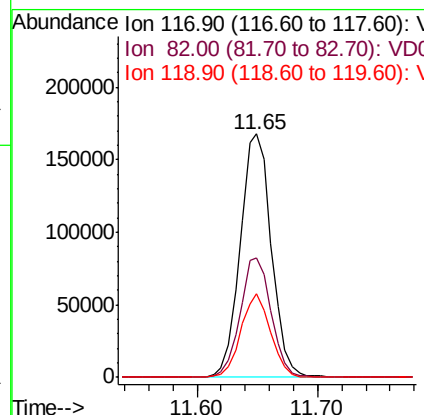
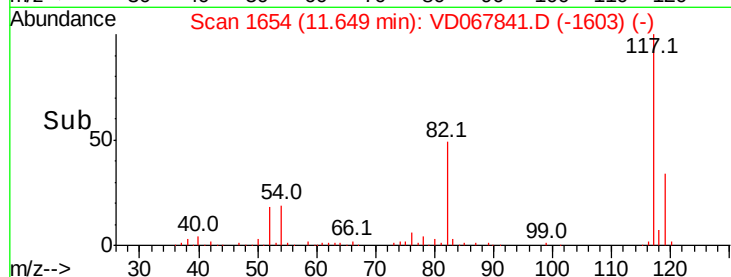
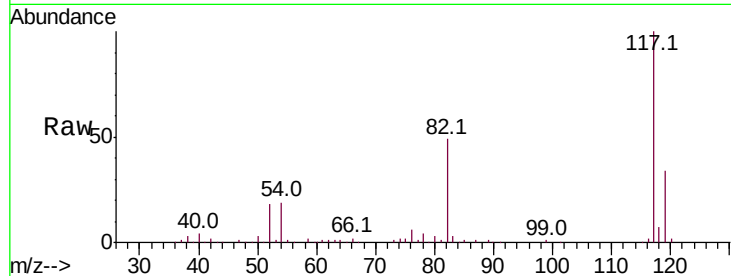




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067841.D
Acq: 02 Dec 2020 17:48

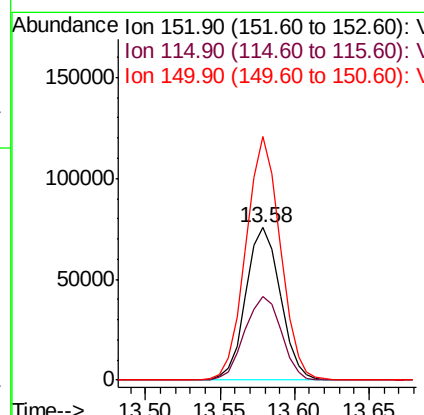
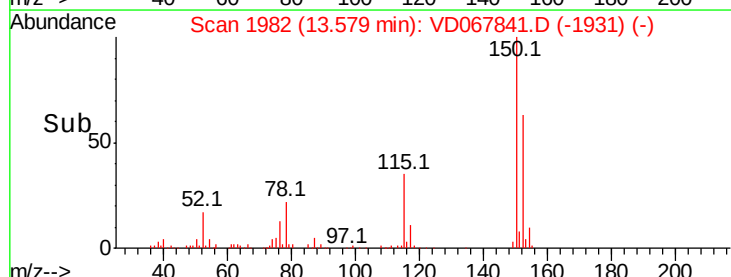
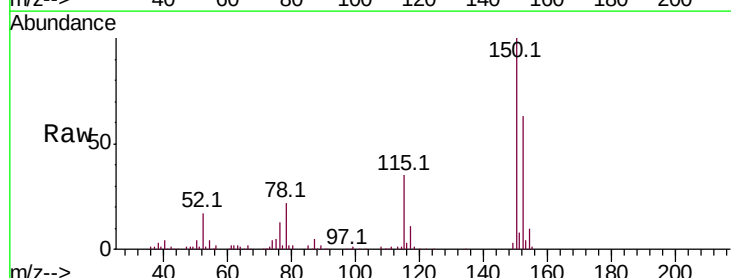
Instrument :
MSVOA_D
ClientSampleId :
PAV-B48-112320-15.5-16.5

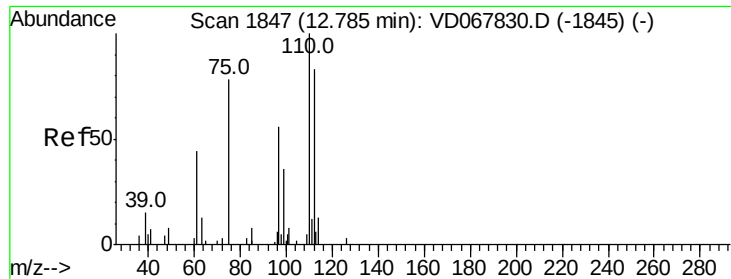
Tot Ion:117 Resp: 301213
Ion Ratio Lower Upper
117 100
82 49.1 40.6 60.8
119 34.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067841.D
Acq: 02 Dec 2020 17:48

Tgt Ion:152 Resp: 122015
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.4
150 158.7 0.0 339.0

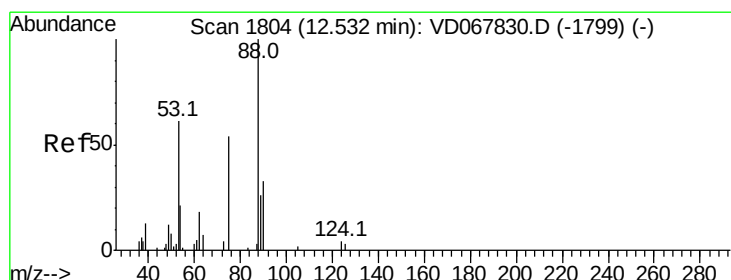
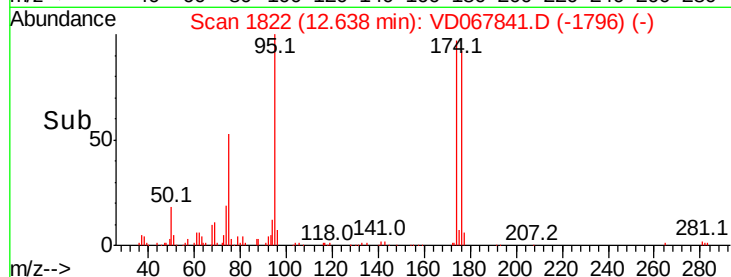
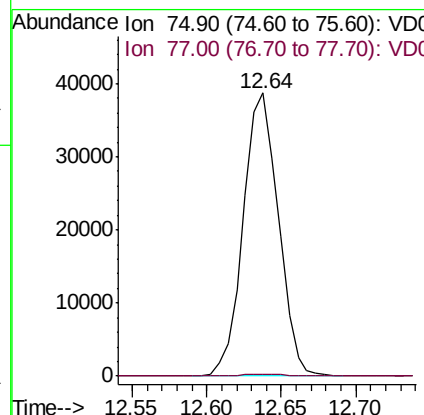
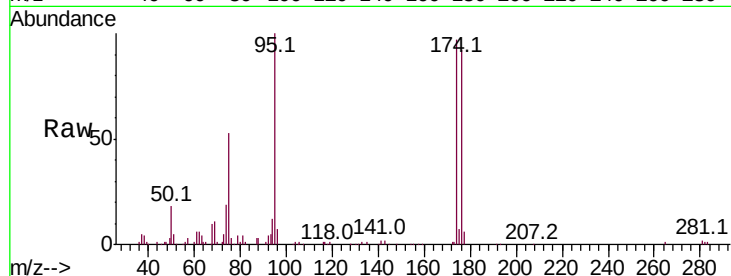




#76
 1,2,3-Trichloropropane
 Concen: 71.135 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067841.D
 Acq: 02 Dec 2020 17:48

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B48-112320-15.5-16.5

Tot Ion: 75 Resp: 63207
 Ion Ratio Lower Upper
 75 100
 77 0.7 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.161 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067841.D
 Acq: 02 Dec 2020 17:48

Tgt Ion: 75 Resp: 63207
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 127.0#
 89 0.0 41.0 61.6#

