

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067852.D
 Acq On : 02 Dec 2020 22:46
 Operator : VA/SY
 Sample : L4911-05
 Misc : 7.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SK-12-1-SPE

Quant Time: Dec 03 00:37:30 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	238506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	306877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	123998	48.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.86%
35) Dibromofluoromethane	7.92	113	103555	45.71	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.42%
50) Toluene-d8	10.34	98	382278	46.88	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.76%
62) 4-Bromofluorobenzene	12.64	95	126797	44.97	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.94%

Target Compounds

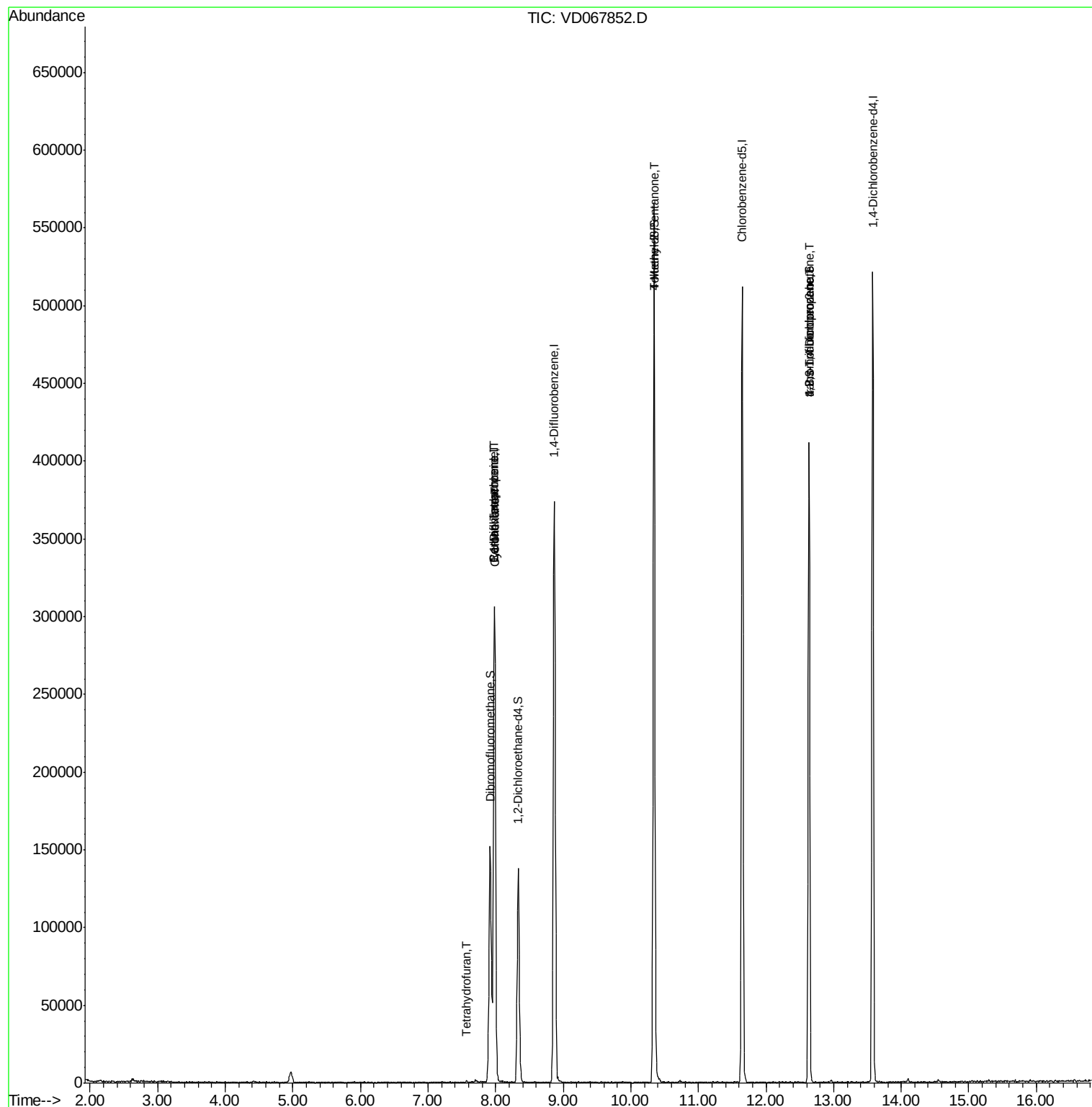
					Qvalue
11) Tert butyl alcohol	5.23	59	61	Below Cal	# 74
18) Methyl Acetate	4.87	43	64	Below Cal	# 41
20) Methylene Chloride	4.97	84	5734	Below Cal	# 91
29) Tetrahydrofuran	7.56	42	437	2.306	ug/l # 27
31) Cyclohexane	7.99	56	4738	1.756	ug/l # 32
36) 1,1-Dichloropropene	7.98	75	16043	5.474	ug/l # 54
38) Carbon Tetrachloride	7.98	117	23489	5.297	ug/l # 14
41) Methacrylonitrile	7.57	41	262	Below Cal	# 28
51) 4-Methyl-2-Pentanone	10.34	43	1710	2.325	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	70283	65.849	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.64	75	70283	157.516	ug/l # 7

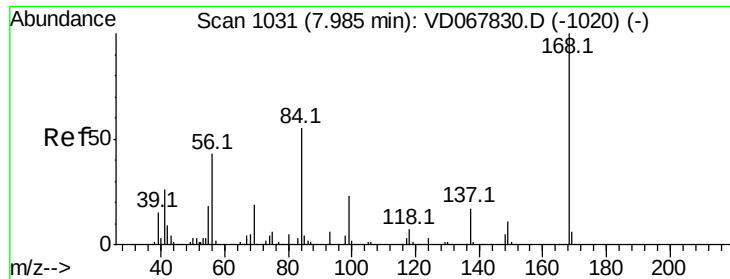
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120220\
Data File : VD067852.D
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Operator : VA/SY
Sample : L4911-05
Misc : 7.03G/5.00ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
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Quant Time: Dec 03 00:37:30 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# 1030

Delta R.T. -0.01 min

Lab File: VD067852.D

Acq: 02 Dec 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

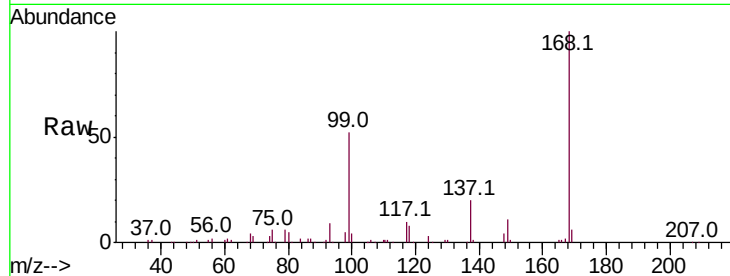
SK-12-1-SPE

Tot Ion:168 Resp: 238506

Ion Ratio Lower Upper

168 100

99 51.5 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

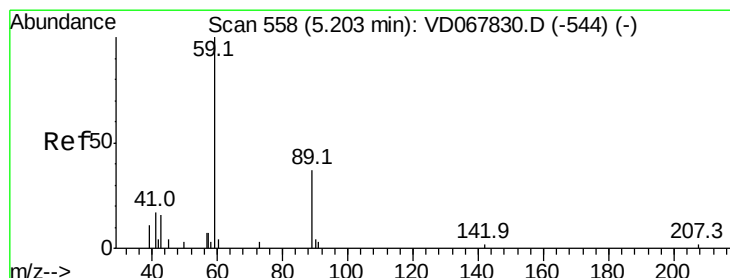
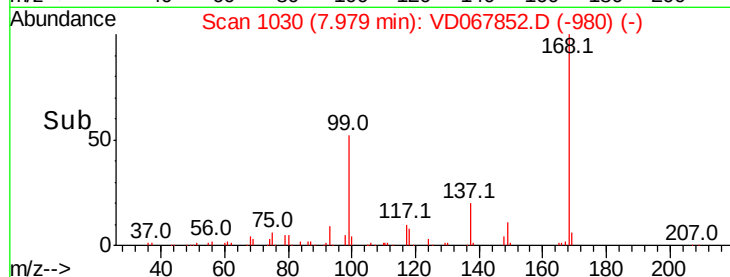
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD067852.D

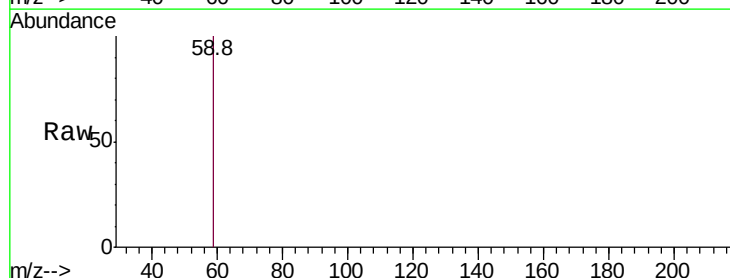
Acq: 02 Dec 2020 22:46

Tgt Ion: 59 Resp: 61

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

200

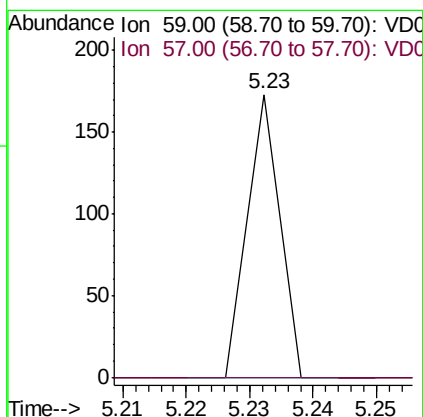
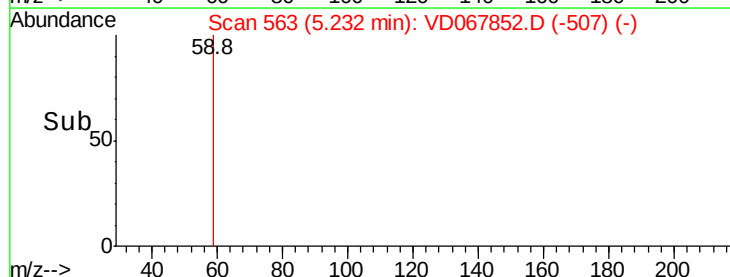
150

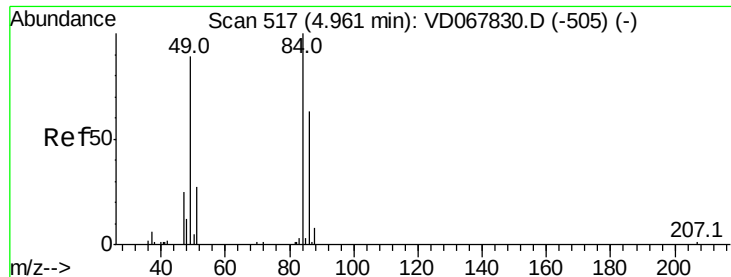
100

50

0

Time-->

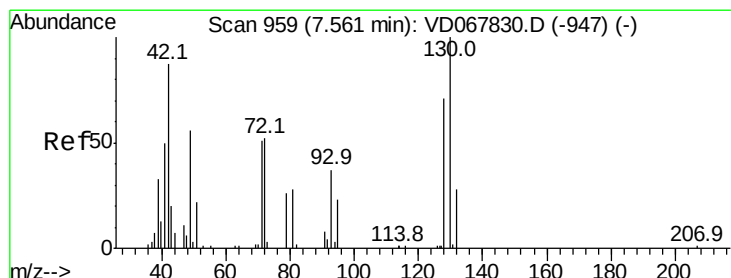
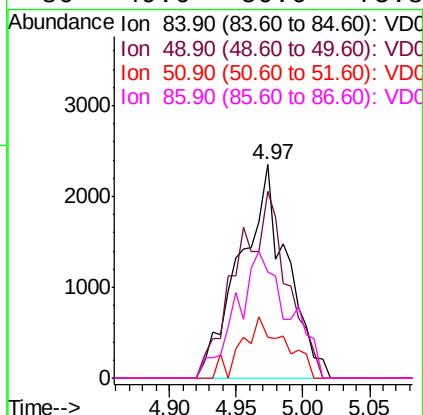
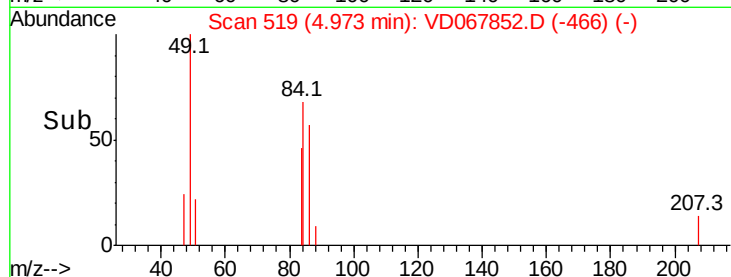
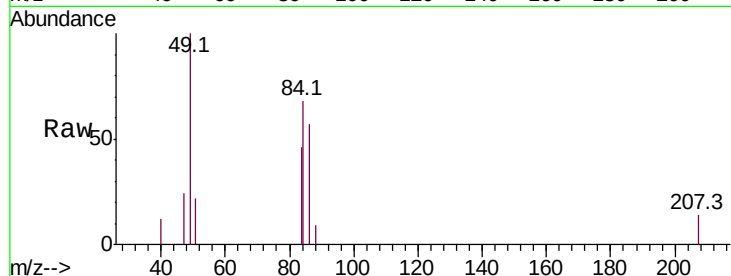




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

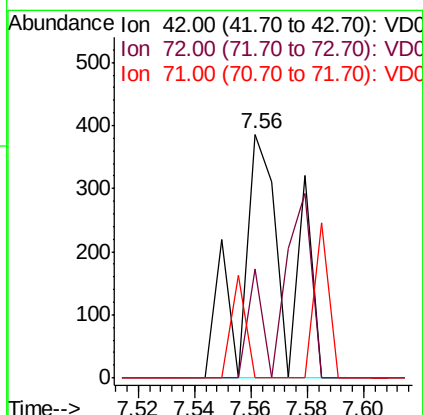
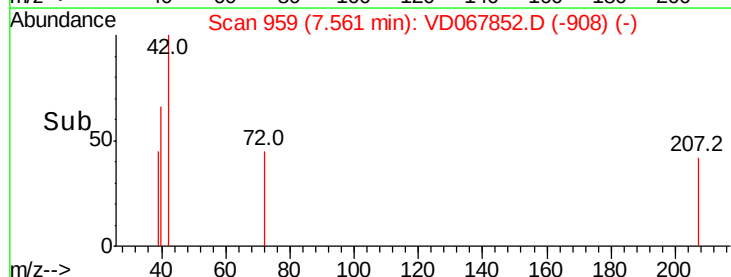
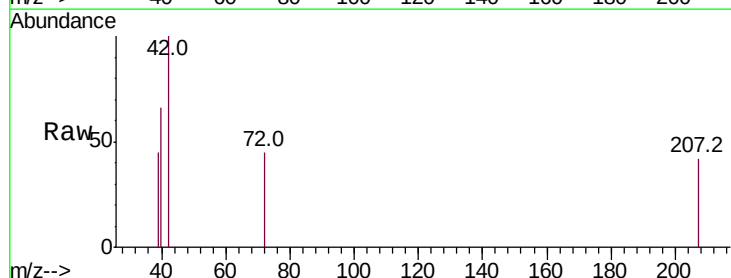
Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPE

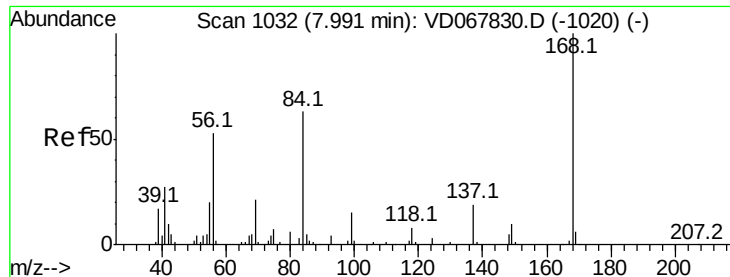
Tot Ion: 84 Resp: 5734
Ion Ratio Lower Upper
84 100
49 87.7 71.4 107.0
51 19.3 21.8 32.8#
86 49.6 50.6 75.8#



#29
Tetrahydrofuran
Concen: 2.306 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

Tgt Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 0.0 51.9 77.9#
71 13.0 48.2 72.4#

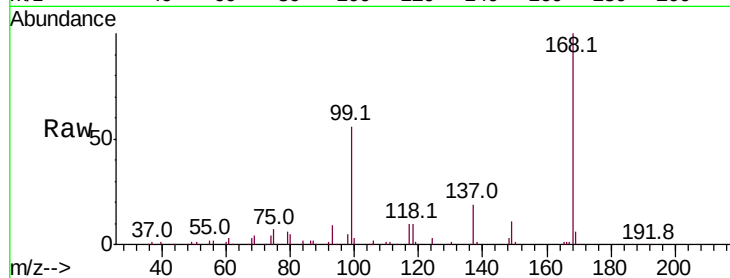




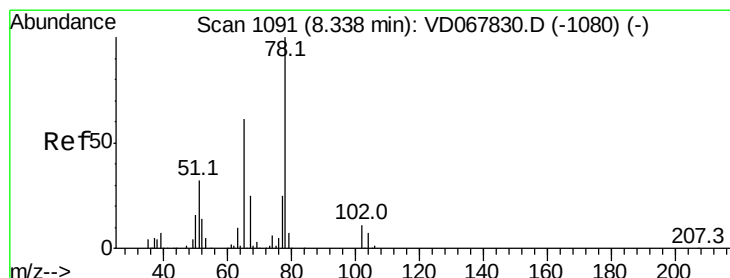
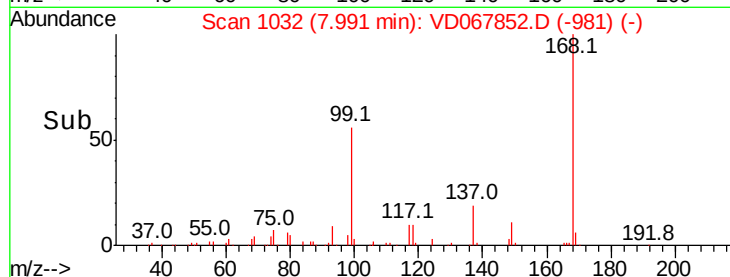
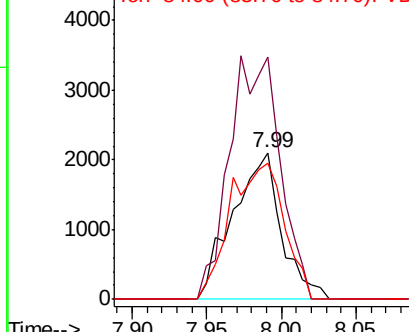
#31
Cyclohexane
Concen: 1.756 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPE

Tot Ion: 56 Resp: 4738
Ion Ratio Lower Upper
56 100
69 165.5 32.1 48.1#
84 93.4 93.2 139.8

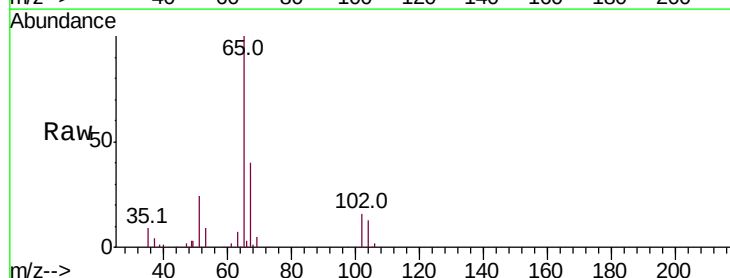


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

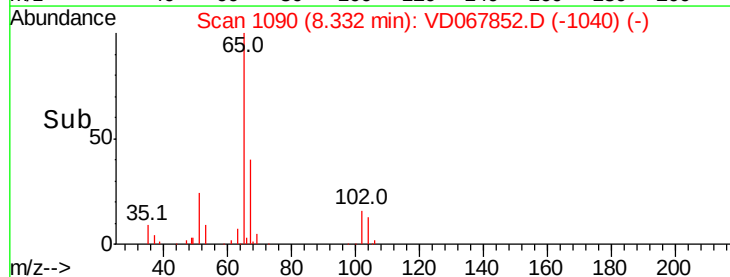
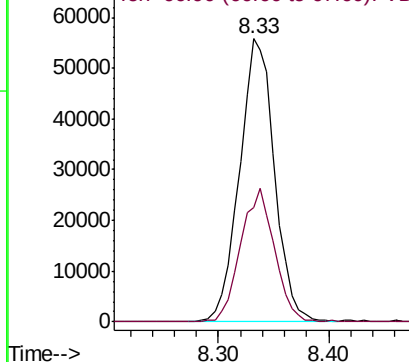


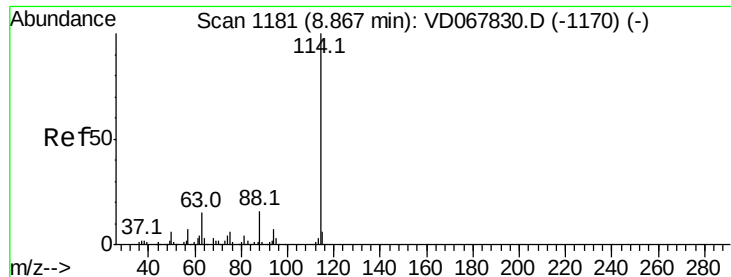
#33
1,2-Dichloroethane-d4
Concen: 48.428 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

Tgt Ion: 65 Resp: 123998
Ion Ratio Lower Upper
65 100
67 45.9 0.0 92.0



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

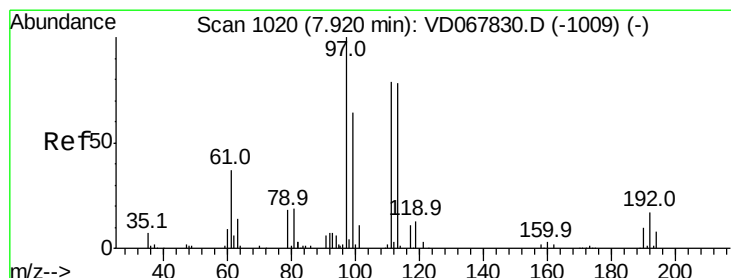
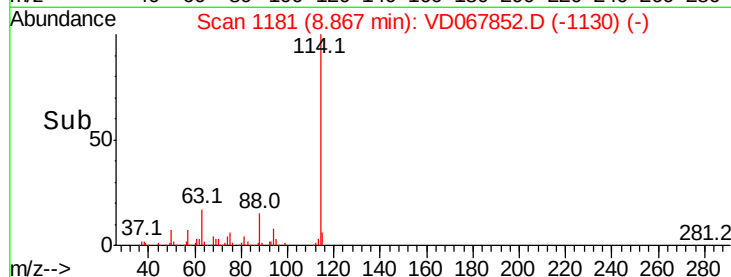
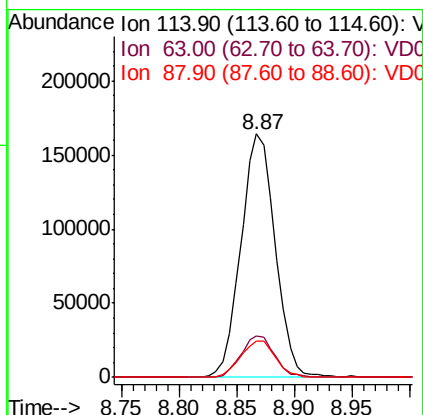
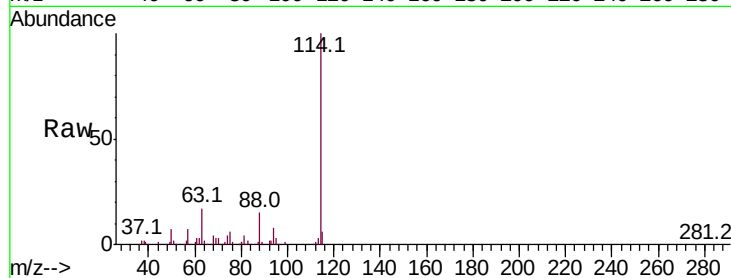




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

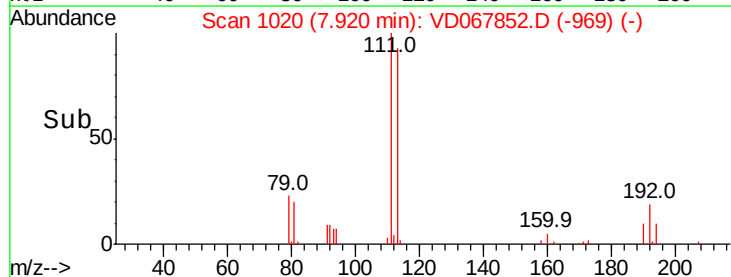
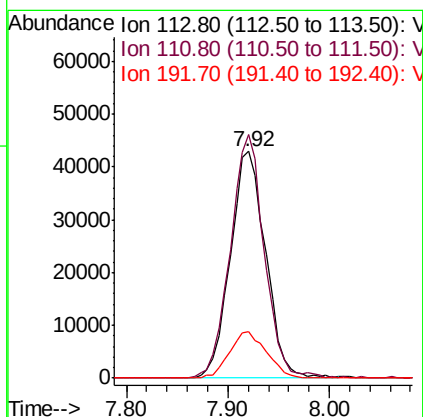
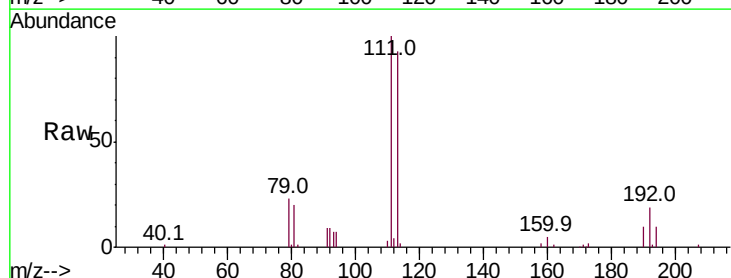
Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPE

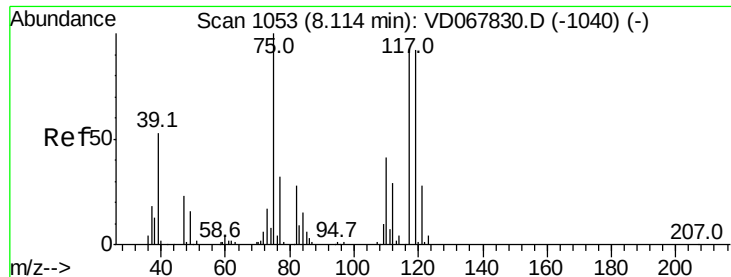
Tot Ion:114 Resp: 338538
Ion Ratio Lower Upper
114 100
63 16.9 0.0 30.8
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.713 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

Tgt Ion:113 Resp: 103555
Ion Ratio Lower Upper
113 100
111 103.4 81.2 121.8
192 21.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.474 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067852.D

Acq: 02 Dec 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPE

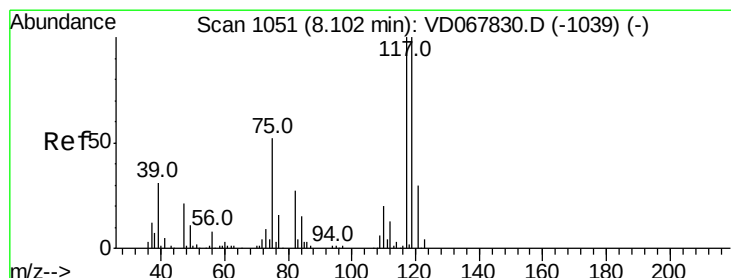
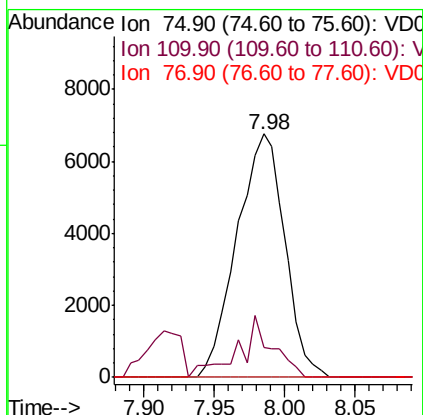
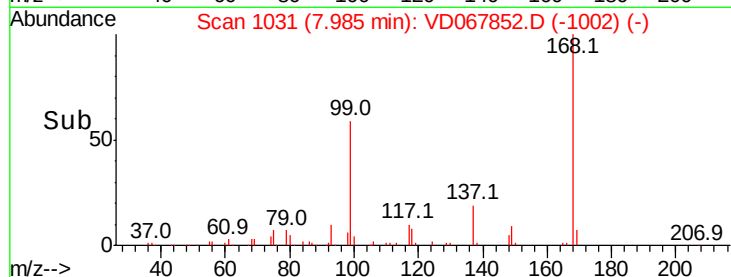
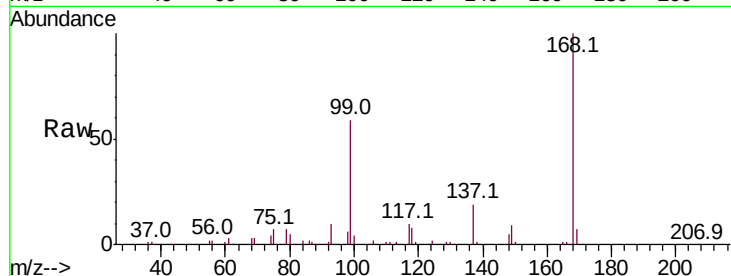
Tot Ion: 75 Resp: 16043

Ion Ratio Lower Upper

75 100

110 17.2 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.297 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067852.D

Acq: 02 Dec 2020 22:46

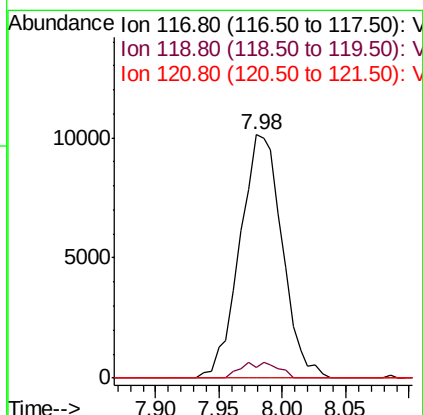
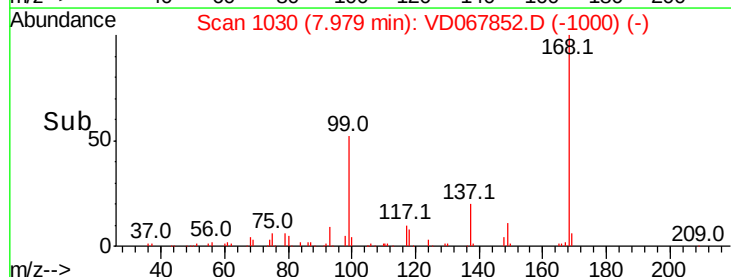
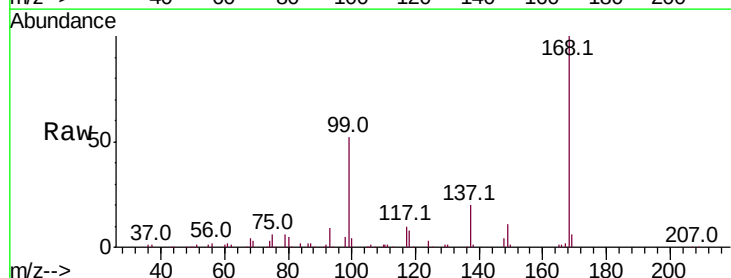
Tgt Ion: 117 Resp: 23489

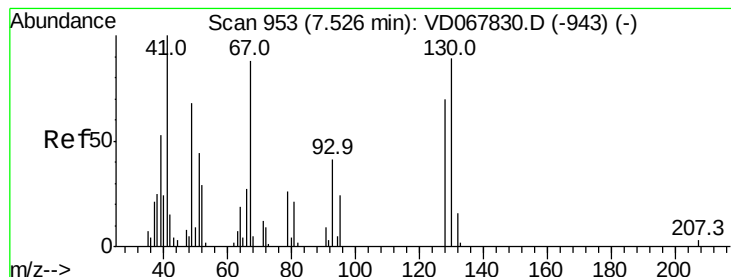
Ion Ratio Lower Upper

117 100

119 4.2 79.7 119.5#

121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067852.D

Acq: 02 Dec 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPE

Tot Ion: 41 Resp: 262

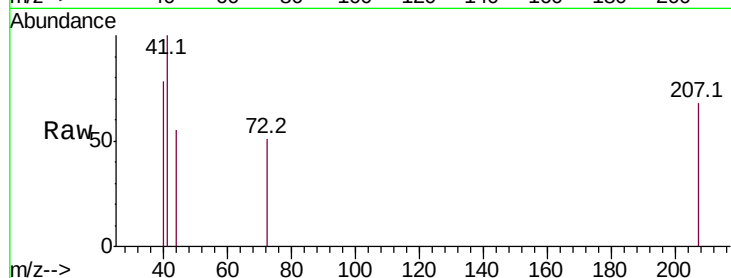
Ion Ratio Lower Upper

41 100

39 67.6 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

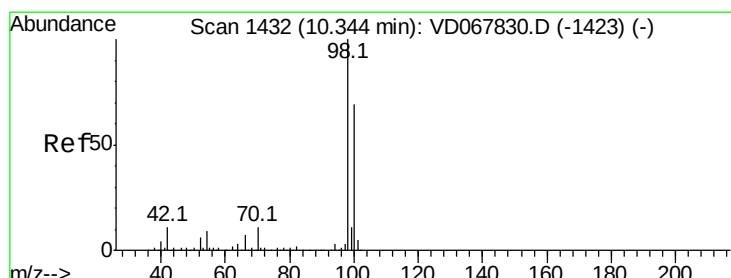
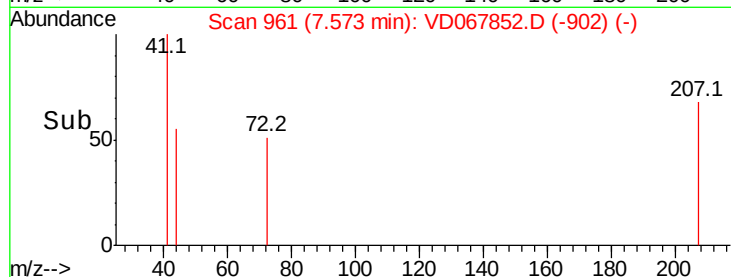
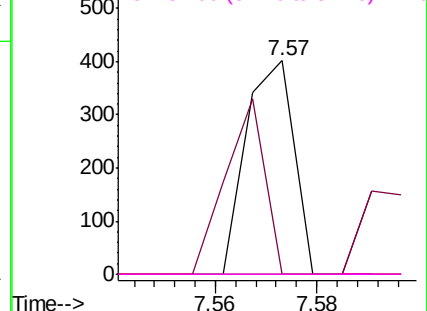


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 46.878 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067852.D

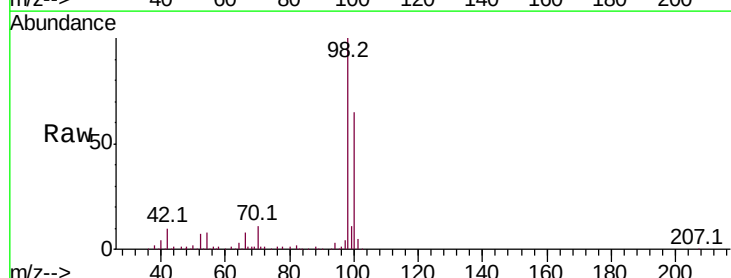
Acq: 02 Dec 2020 22:46

Tgt Ion: 98 Resp: 382278

Ion Ratio Lower Upper

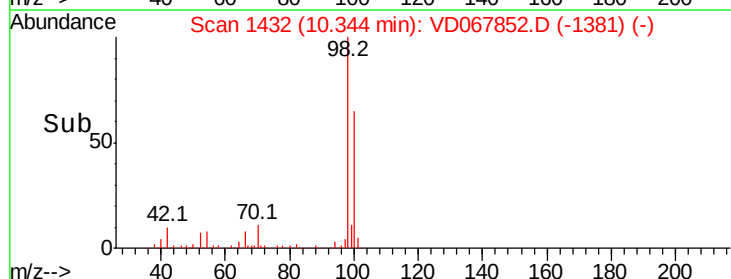
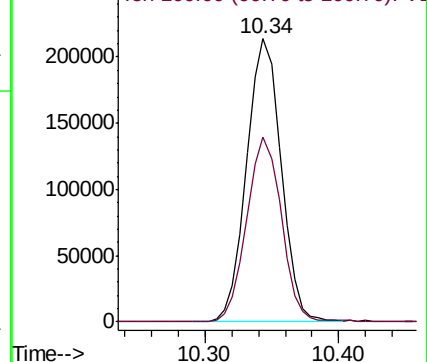
98 100

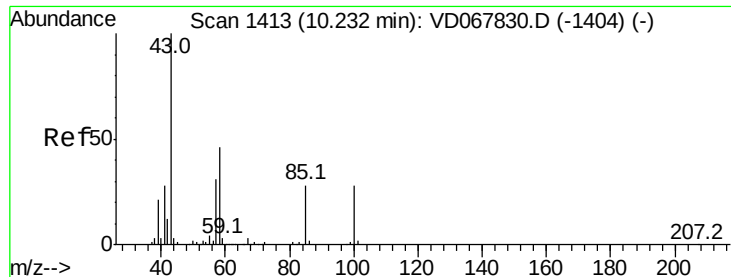
100 66.1 52.9 79.3



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: 2.325 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067852.D

Acq: 02 Dec 2020 22:46

Instrument :

MSVOA_D

ClientSampleId :

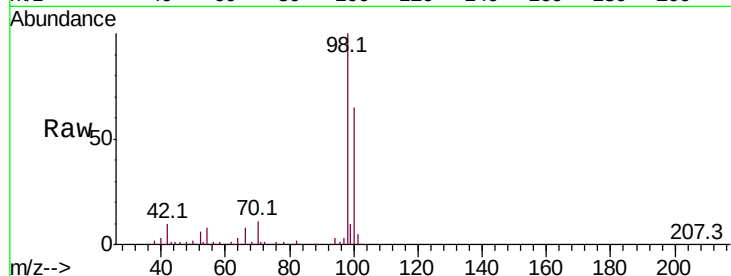
SK-12-1-SPE

Tot Ion: 43 Resp: 1710

Ion Ratio Lower Upper

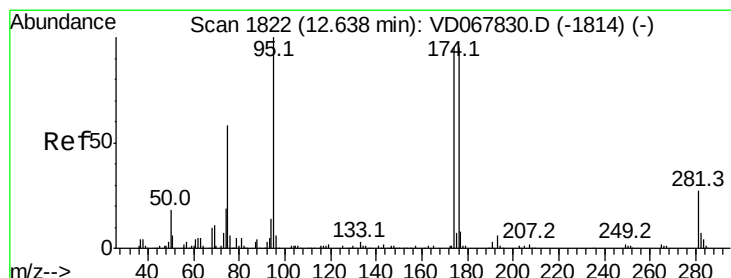
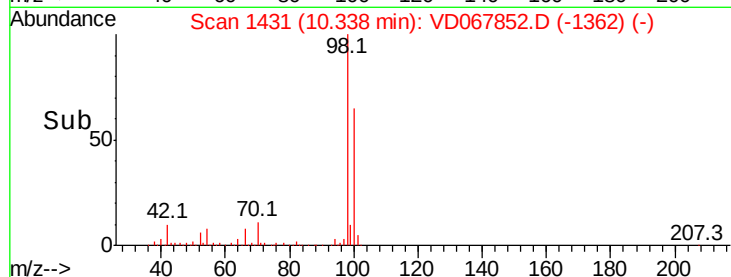
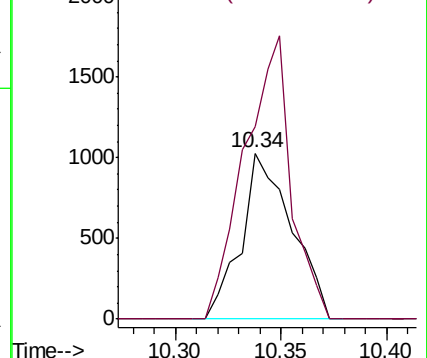
43 100

58 157.0 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: 44.975 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067852.D

Acq: 02 Dec 2020 22:46

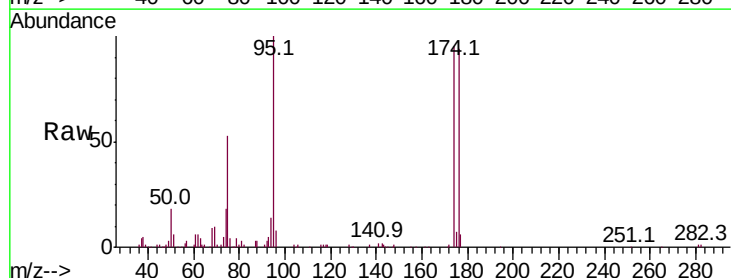
Tgt Ion: 95 Resp: 126797

Ion Ratio Lower Upper

95 100

174 92.8 0.0 186.0

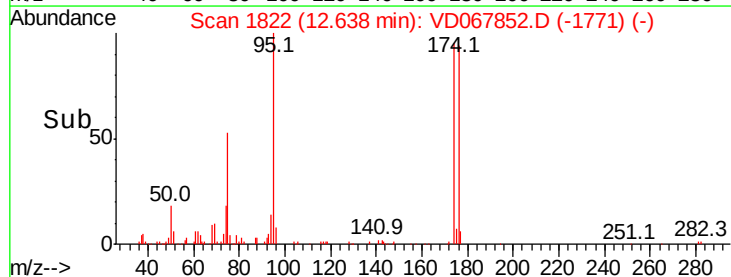
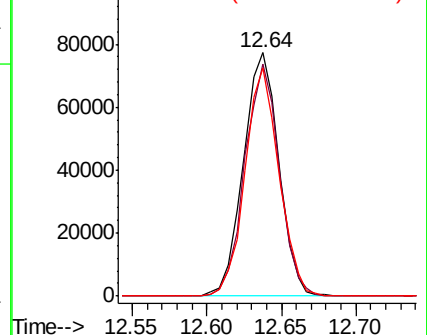
176 90.2 0.0 184.2

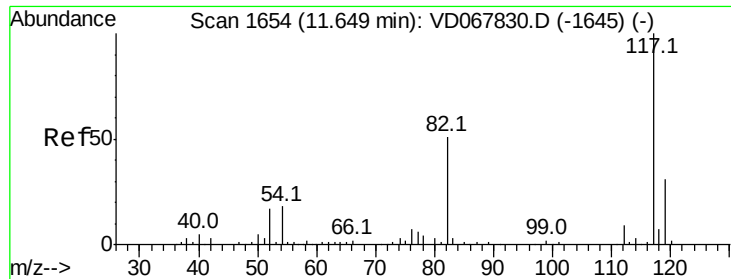


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

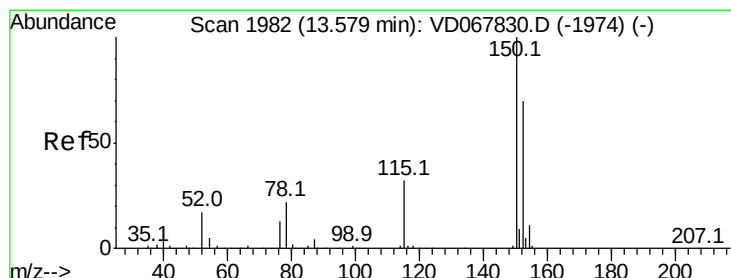
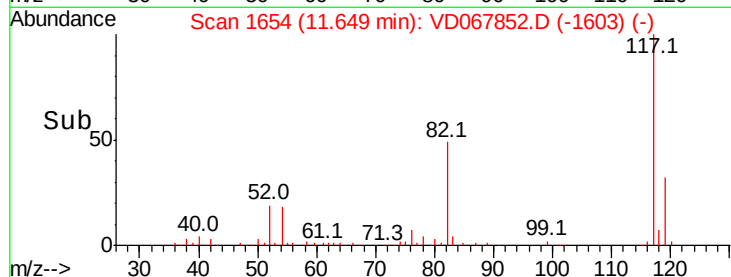
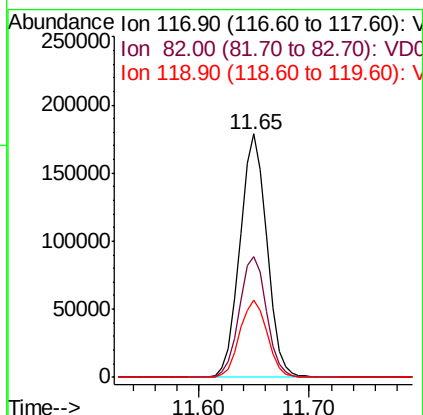
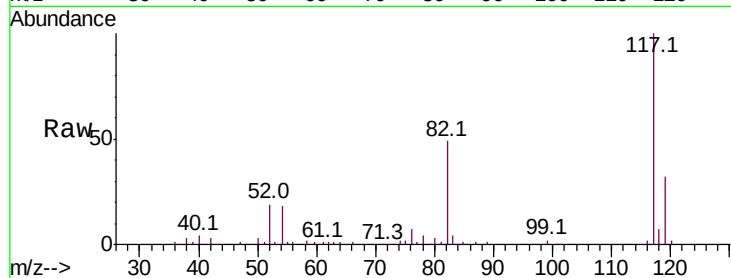




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

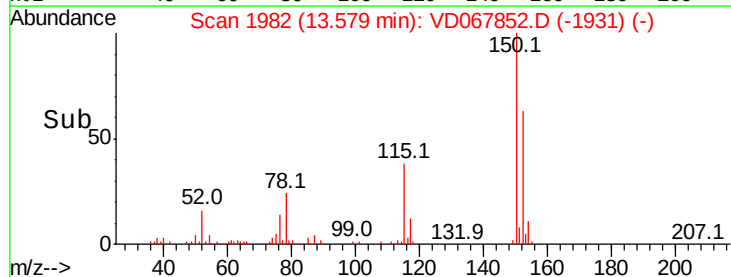
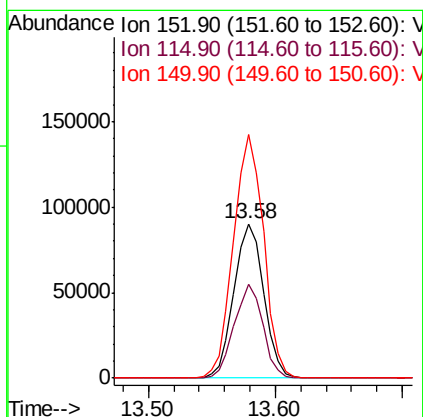
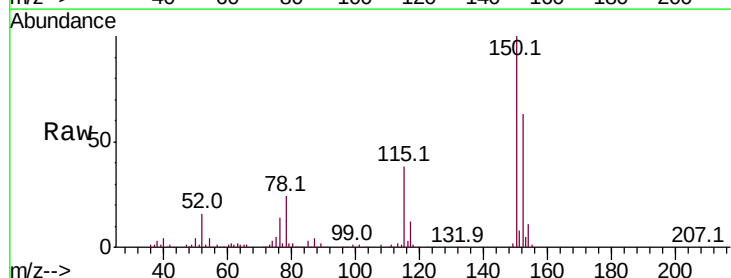
Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPE

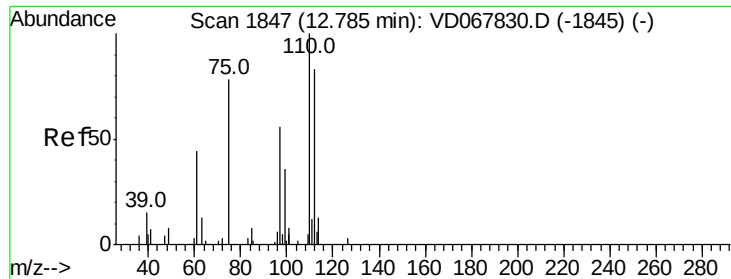
Tot Ion:117 Resp: 306877
Ion Ratio Lower Upper
117 100
82 49.4 40.6 60.8
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067852.D
Acq: 02 Dec 2020 22:46

Tgt Ion:152 Resp: 146566
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.4
150 159.6 0.0 339.0

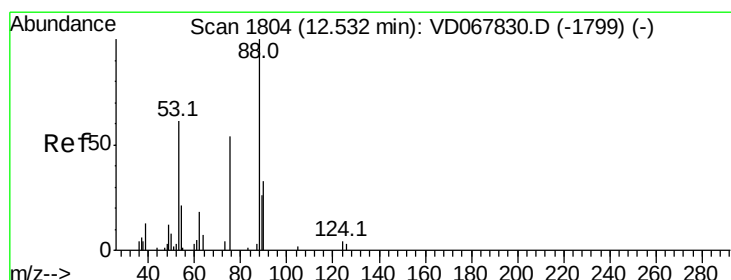
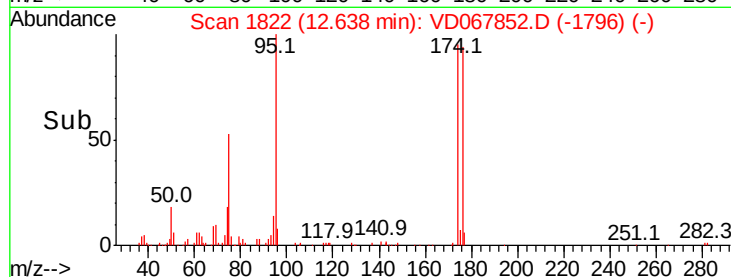
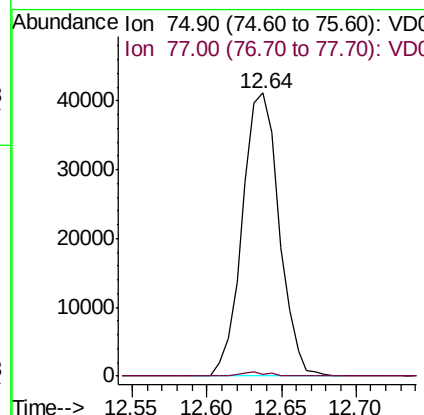
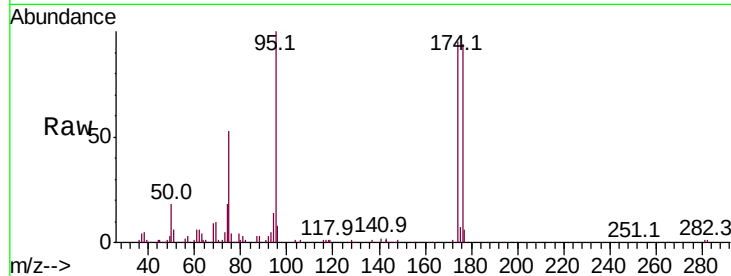




#76
 1,2,3-Trichloropropane
 Concen: 65.849 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067852.D
 Acq: 02 Dec 2020 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 SK-12-1-SPE

Tot Ion: 75 Resp: 70283
 Ion Ratio Lower Upper
 75 100
 77 1.0 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.516 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067852.D
 Acq: 02 Dec 2020 22:46

Tgt Ion: 75 Resp: 70283
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.6 127.0#
 89 0.0 41.0 61.6#

