

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067848.D
 Acq On : 02 Dec 2020 20:57
 Operator : VA/SY
 Sample : L4911-01
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 03 00:37:06 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	244882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	311830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	126760	48.22	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.44%
35) Dibromofluoromethane	7.92	113	110603	46.60	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.20%
50) Toluene-d8	10.34	98	402665	47.13	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.26%
62) 4-Bromofluorobenzene	12.64	95	126218	42.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.46%

Target Compounds

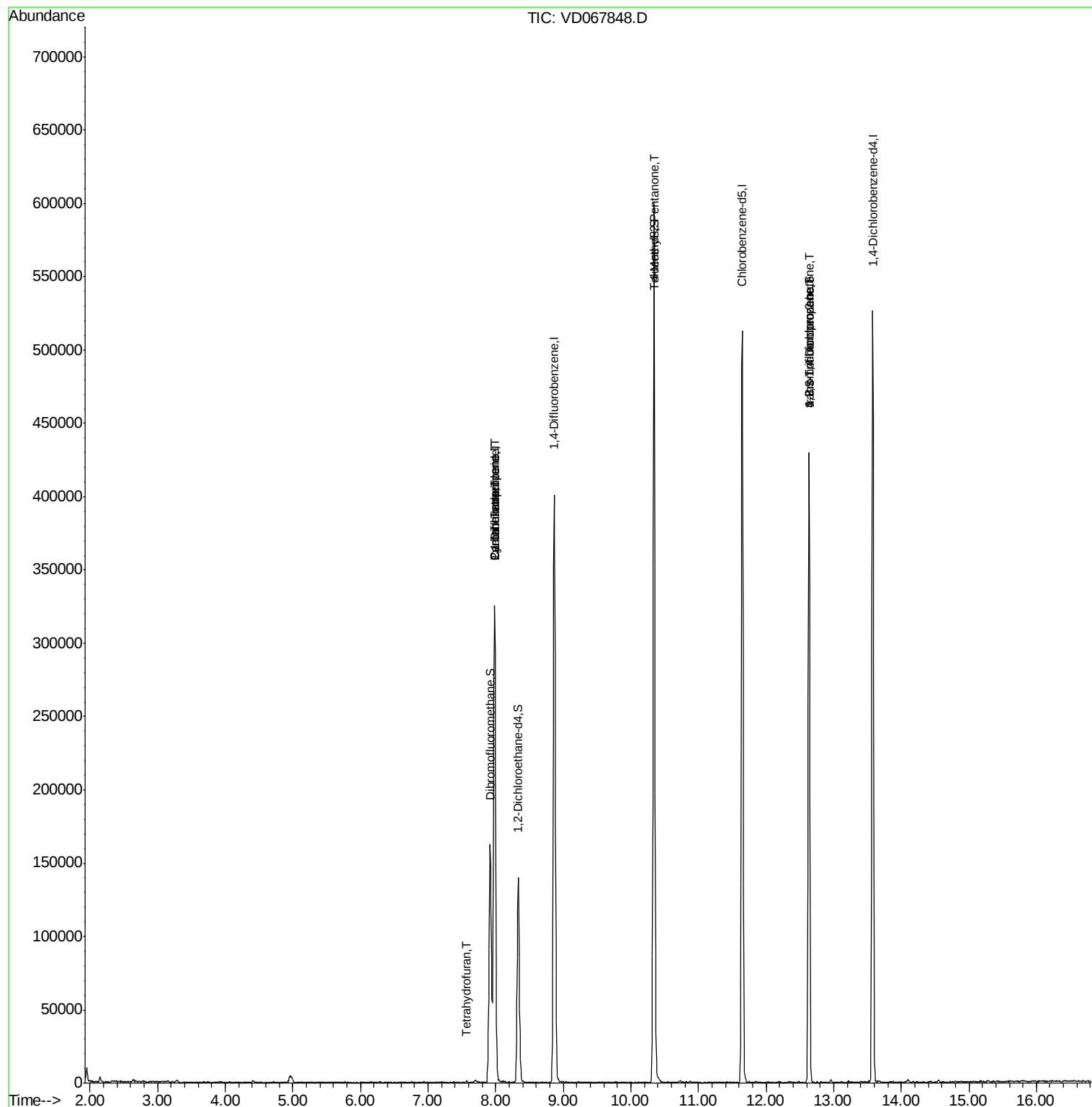
					Qvalue	
20) Methylene Chloride	4.94	84	4601	Below Cal	#	69
29) Tetrahydrofuran	7.57	42	533	2.740	ug/l #	41
31) Cyclohexane	7.98	56	4796	1.732	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	15960	5.198	ug/l #	53
38) Carbon Tetrachloride	7.98	117	25818	5.557	ug/l #	14
41) Methacrylonitrile	7.56	41	293	Below Cal	#	14
51) 4-Methyl-2-Pentanone	10.36	43	1587	2.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	72270	66.351	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	72270	158.717	ug/l #	7

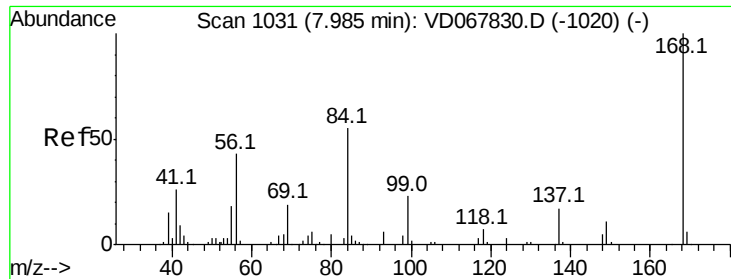
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 00:37:06 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: VD067848.D

Acq: 02 Dec 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

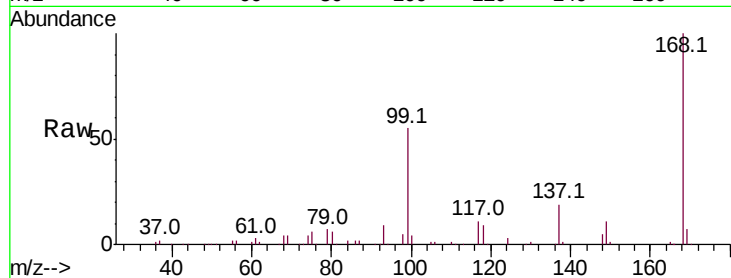
SK-12-1-SPA

Tot Ion:168 Resp: 244882

Ion Ratio Lower Upper

168 100

99 54.9 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

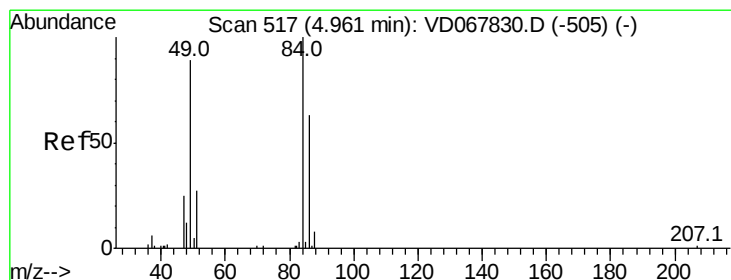
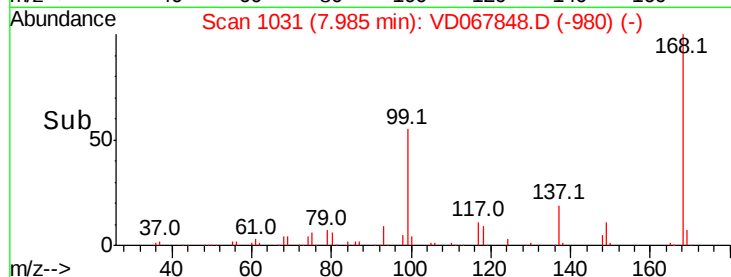
0

Time-->

7.90

8.00

8.10



#20

Methylene Chloride

Concen: Below Cal

RT: 4.94 min Scan# 514

Delta R.T. -0.02 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Tgt Ion: 84 Resp: 4601

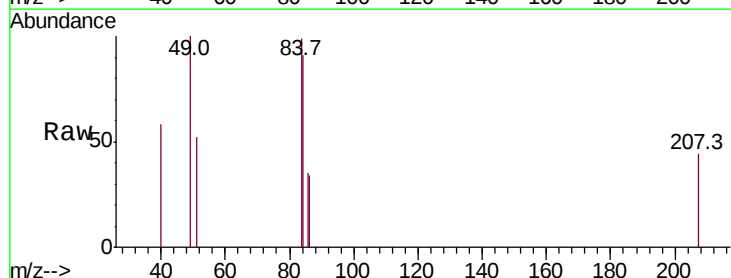
Ion Ratio Lower Upper

84 100

49 52.9 71.4 107.0#

51 27.5 21.8 32.8

86 36.7 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

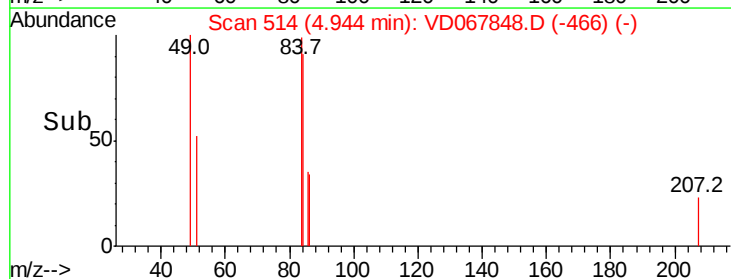
Time-->

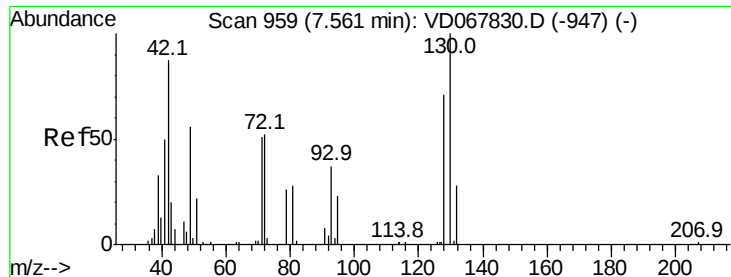
4.90

4.95

5.00

5.05

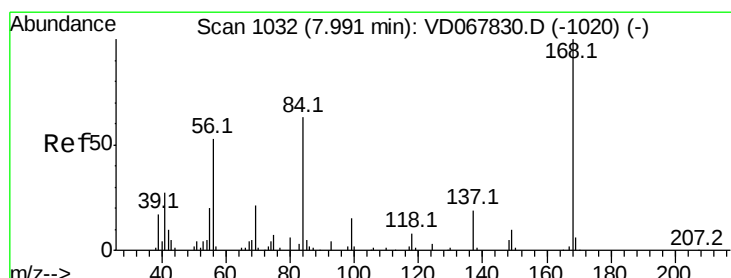
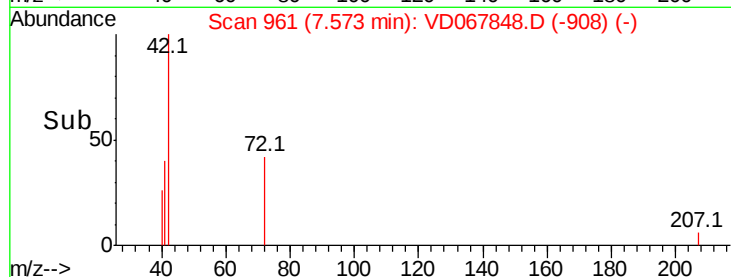
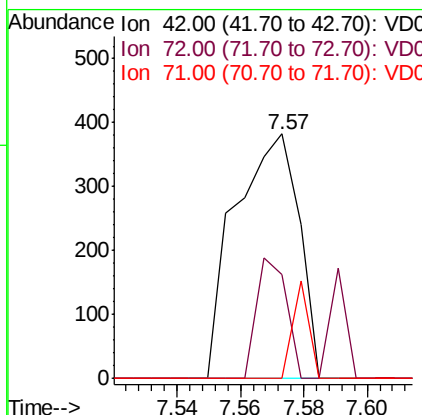
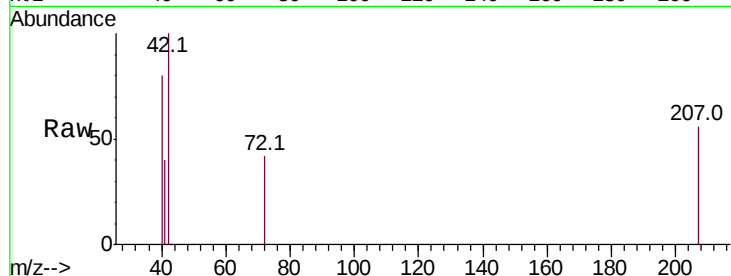




#29
Tetrahydrofuran
Concen: 2.740 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067848.D
Acq: 02 Dec 2020 20:57

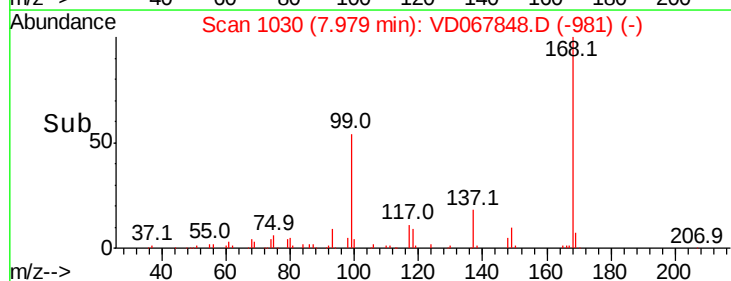
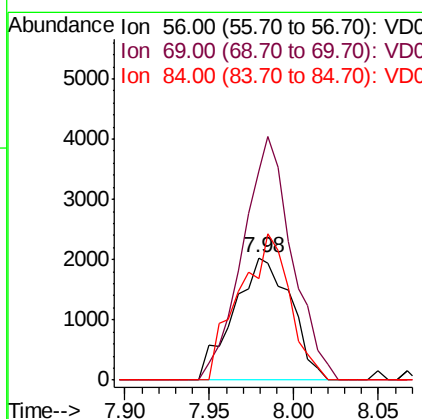
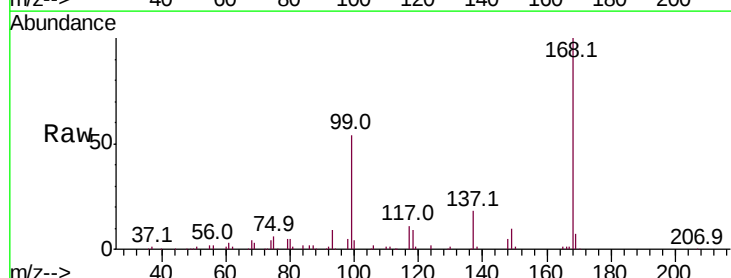
Instrument :
MSVOA_D
ClientSampleId :
SK-12-1-SPA

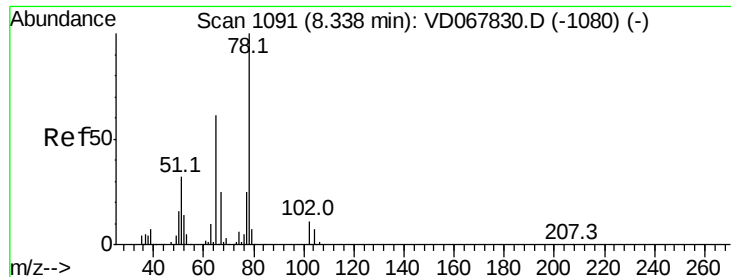
Tot Ion: 42 Resp: 533
Ion Ratio Lower Upper
42 100
72 23.1 51.9 77.9#
71 9.9 48.2 72.4#



#31
Cyclohexane
Concen: 1.732 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067848.D
Acq: 02 Dec 2020 20:57

Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 170.8 32.1 48.1#
84 82.9 93.2 139.8#





#33

1,2-Dichloroethane-d4

Concen: 48.218 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

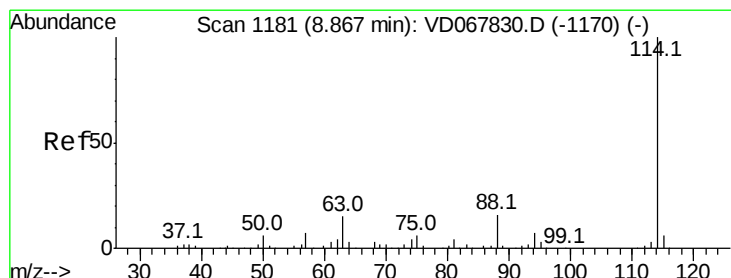
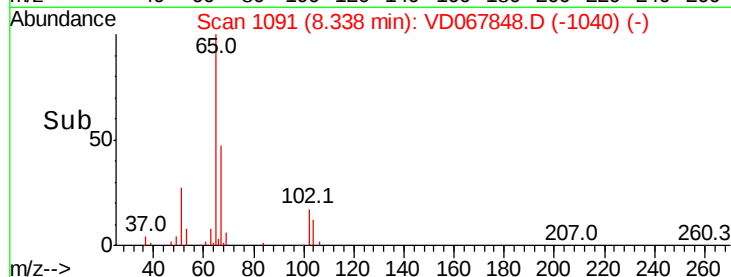
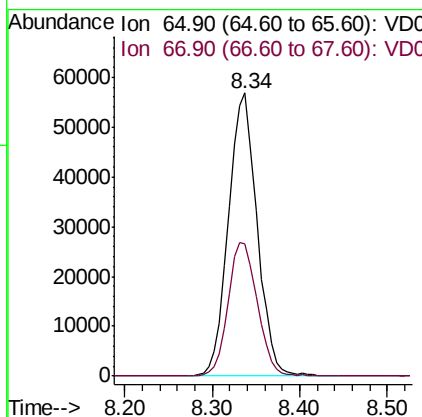
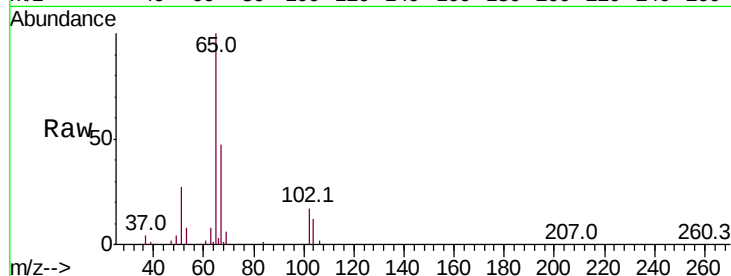
Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

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

Tot Ion: 65 Resp: 126760

Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

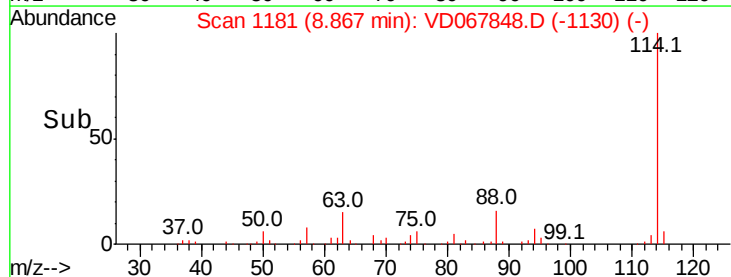
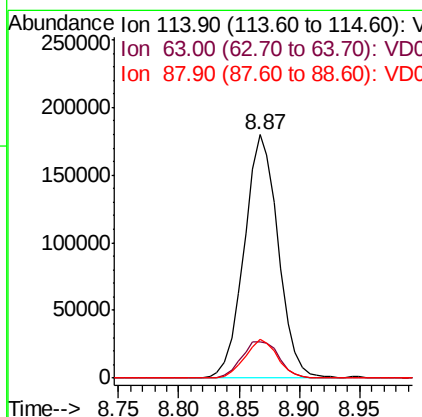
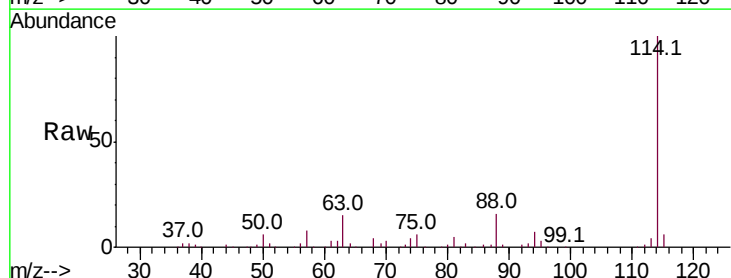
Delta R.T. 0.00 min

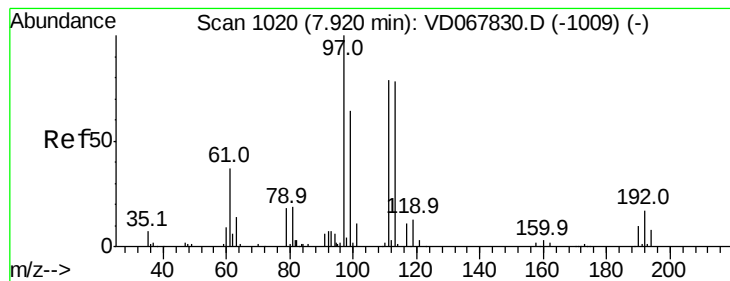
Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Tgt Ion: 114 Resp: 354703

Ion	Ratio	Lower	Upper
114	100		
63	15.1	0.0	30.8
88	15.8	0.0	31.8





#35

Dibromofluoromethane

Concen: 46.600 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPA

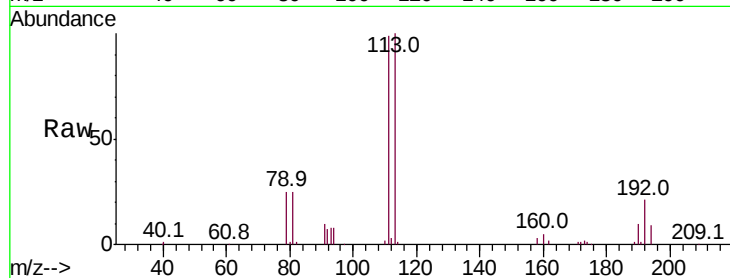
Tot Ion:113 Resp: 110603

Ion Ratio Lower Upper

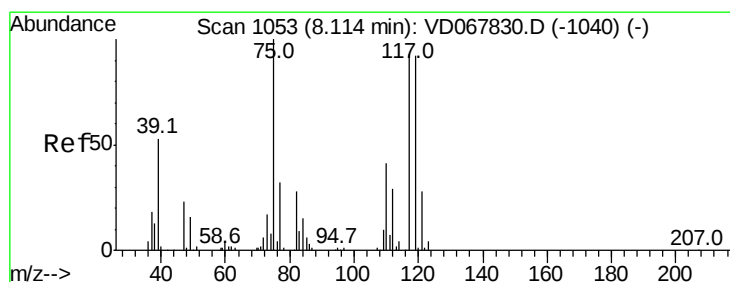
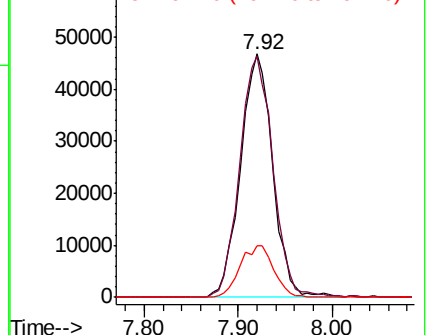
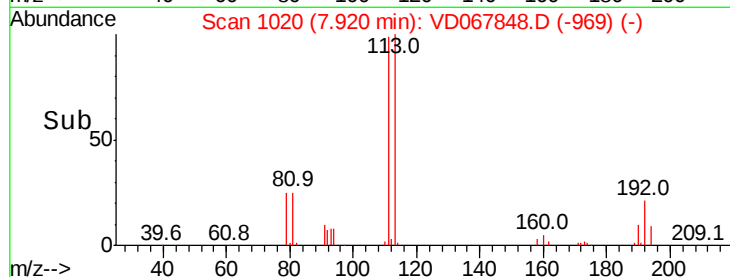
113 100

111 102.4 81.2 121.8

192 22.1 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: 5.198 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

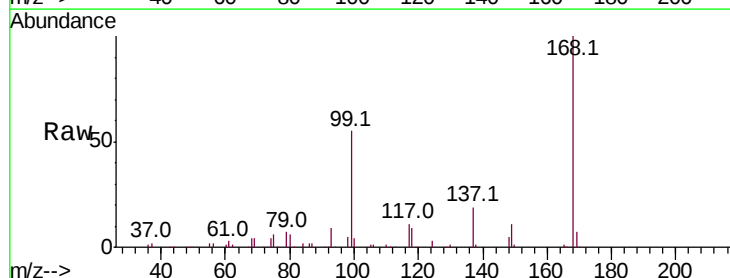
Tgt Ion: 75 Resp: 15960

Ion Ratio Lower Upper

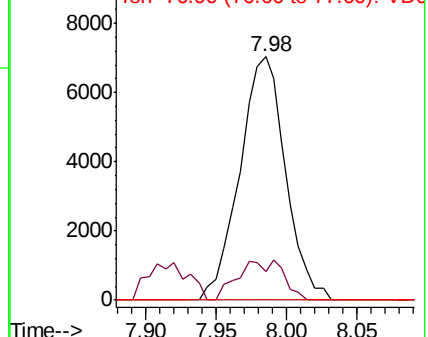
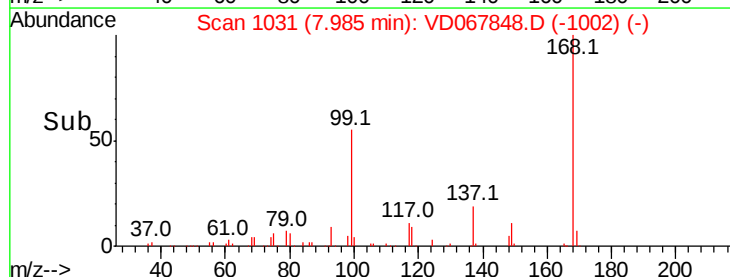
75 100

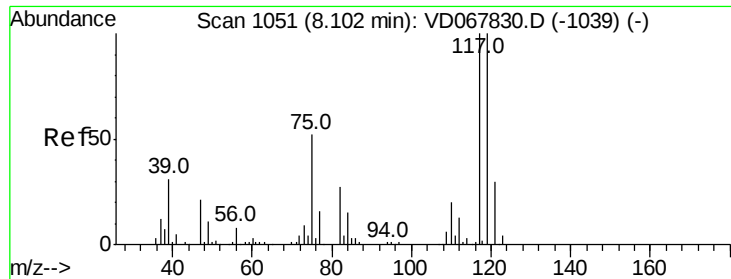
110 16.2 20.3 61.0#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPA

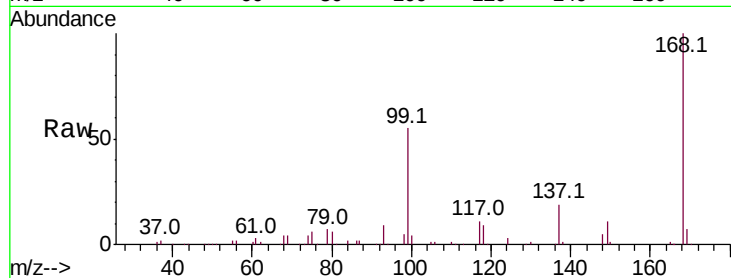
Tot Ion:117 Resp: 25818

Ion Ratio Lower Upper

117 100

119 4.7 79.7 119.5#

121 0.0 23.8 35.6#

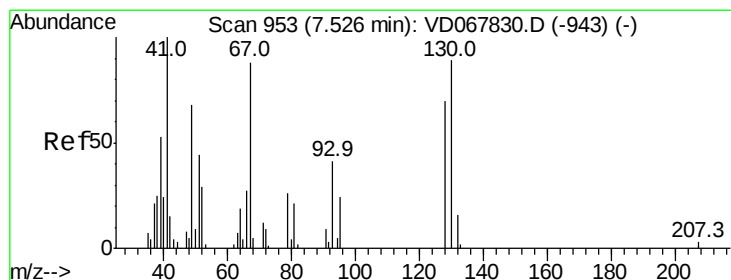
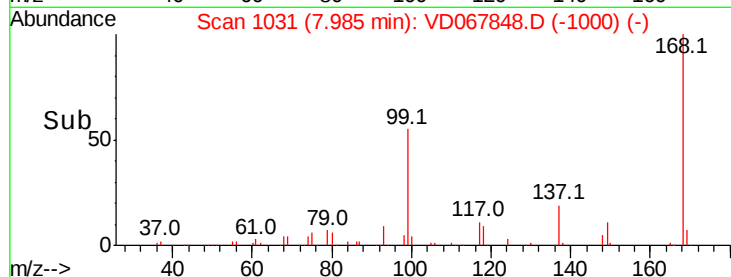
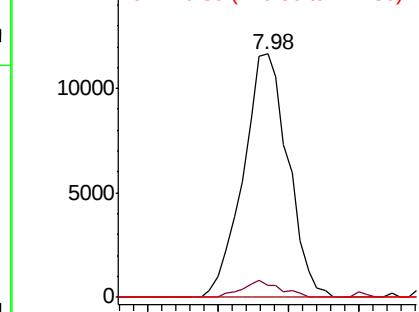


Abundance

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# 959

Delta R.T. 0.04 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Tgt Ion: 41 Resp: 293

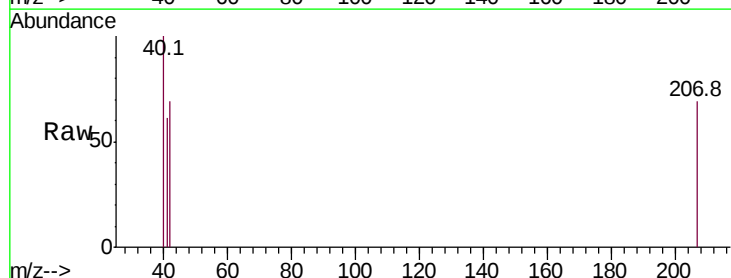
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#



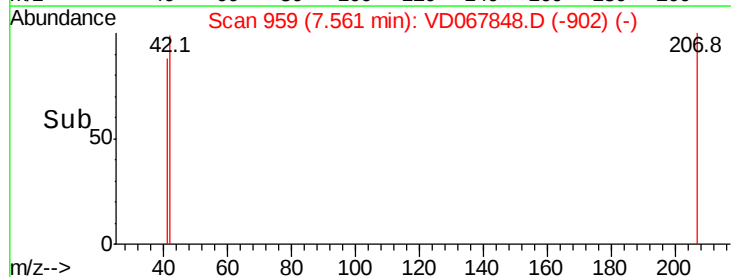
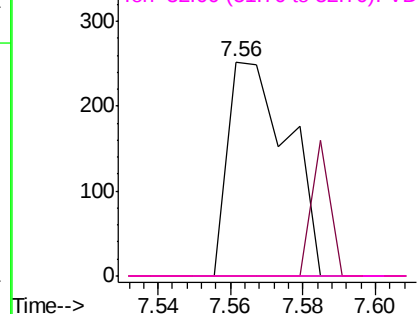
Abundance

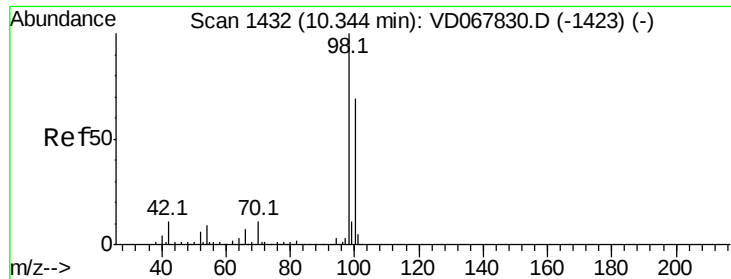
Ion 41.00 (40.70 to 41.70): VDC

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

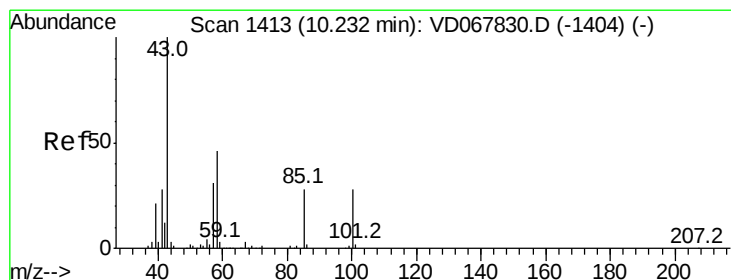
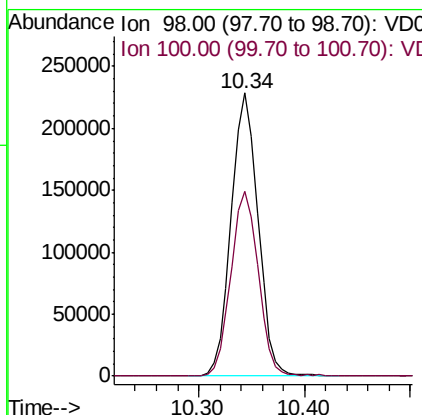
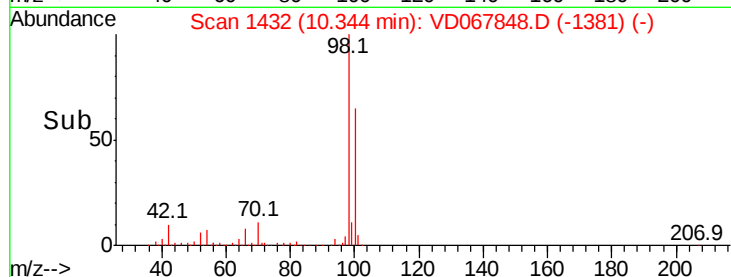
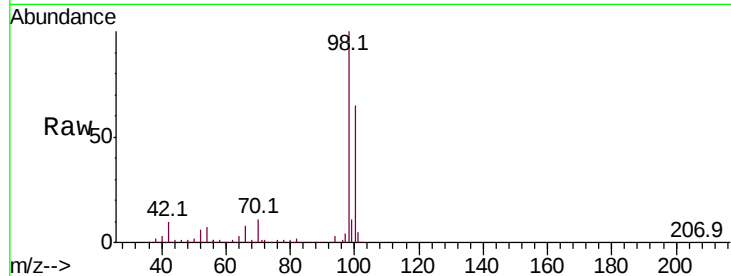




#50
Toluene-d8
Concen: 47.128 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067848.D
Acq: 02 Dec 2020 20:57

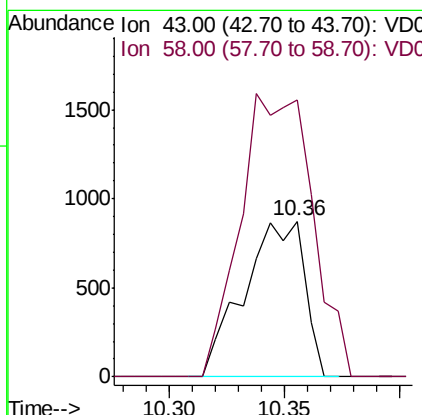
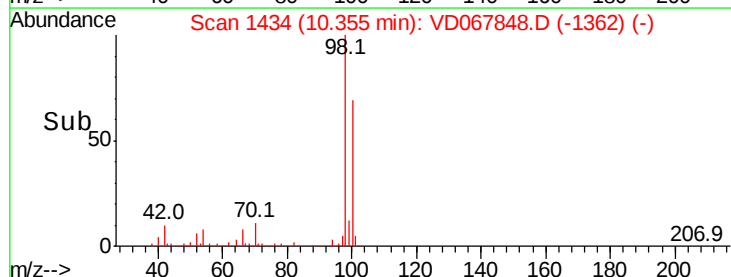
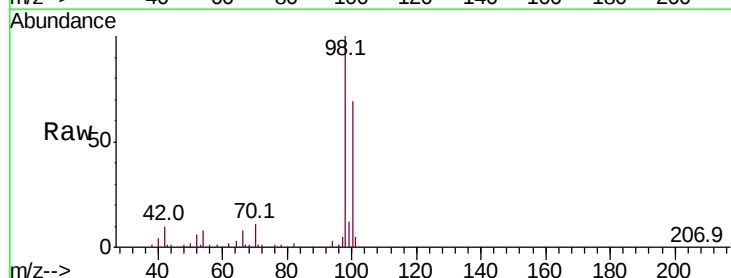
Instrument :
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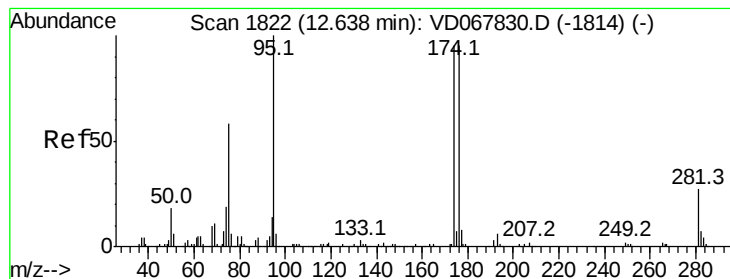
Tot Ion: 98 Resp: 402665
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 2.059 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.12 min
Lab File: VD067848.D
Acq: 02 Dec 2020 20:57

Tgt Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
58 216.1 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 42.729 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPA

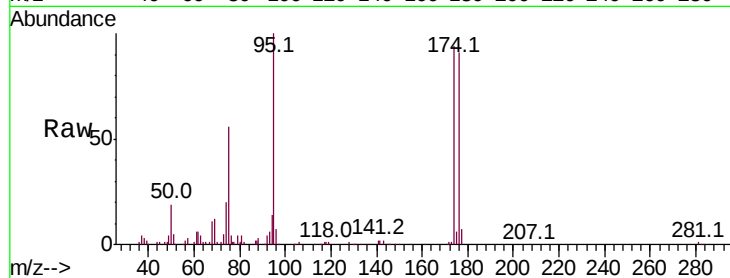
Tot Ion: 95 Resp: 126218

Ion Ratio Lower Upper

95 100

174 98.1 0.0 186.0

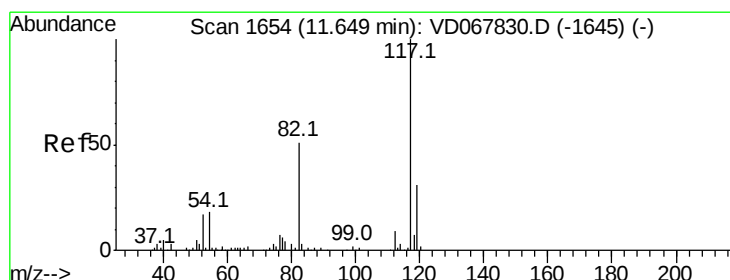
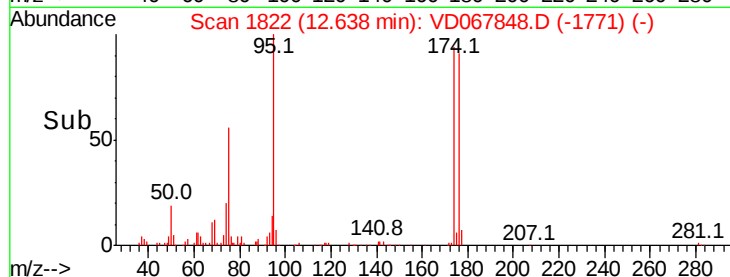
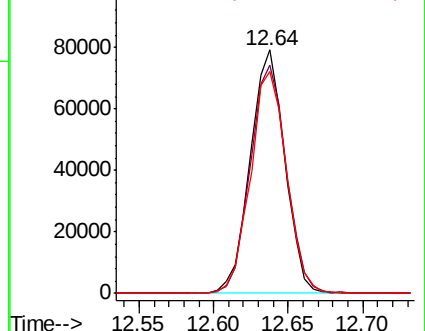
176 94.8 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD067848.D

Acq: 02 Dec 2020 20:57

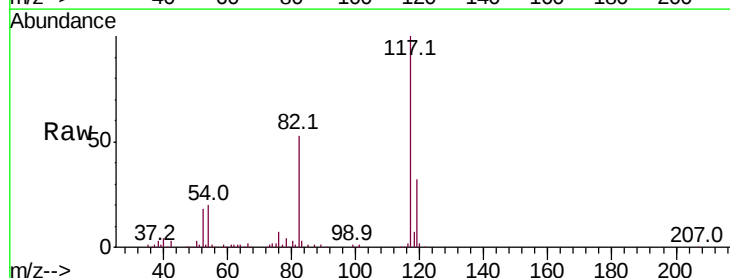
Tgt Ion: 117 Resp: 311830

Ion Ratio Lower Upper

117 100

82 52.8 40.6 60.8

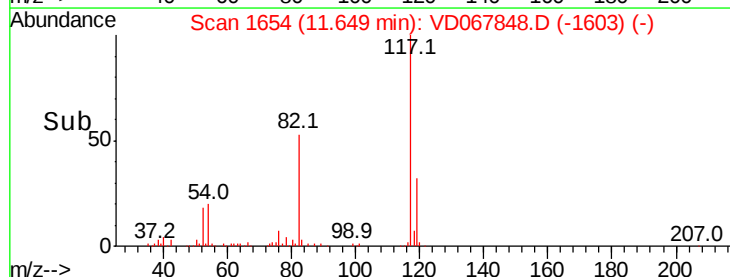
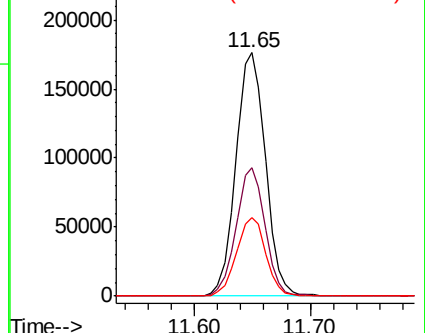
119 32.0 25.1 37.7

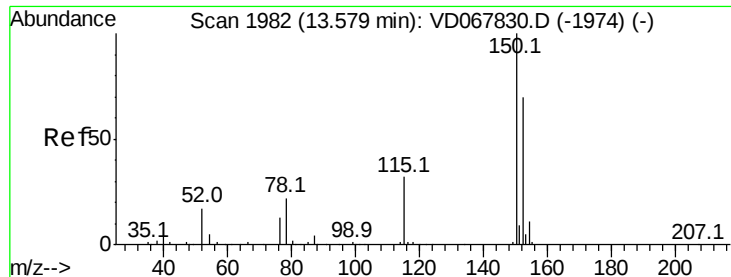


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067848.D

Acq: 02 Dec 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPA

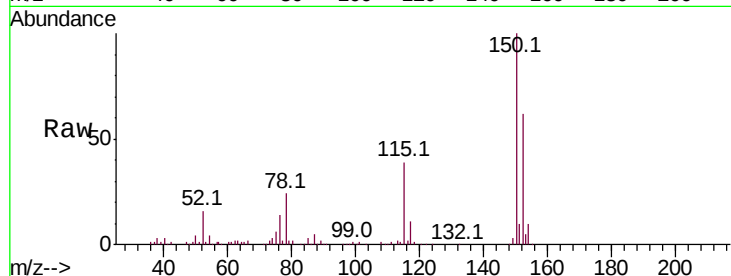
Tot Ion:152 Resp: 149570

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.4

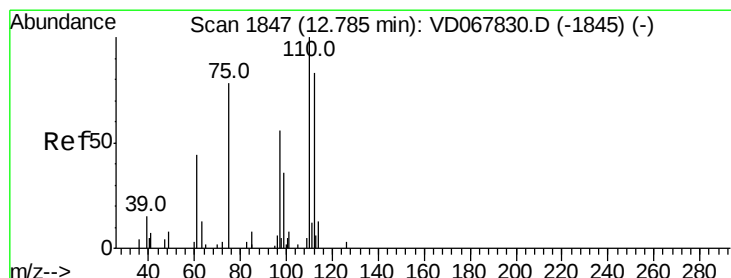
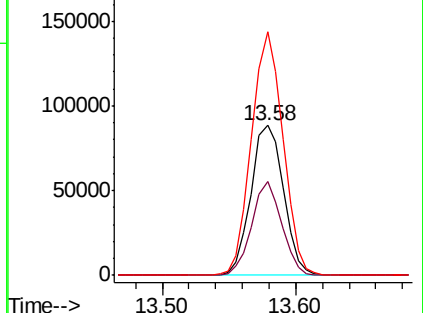
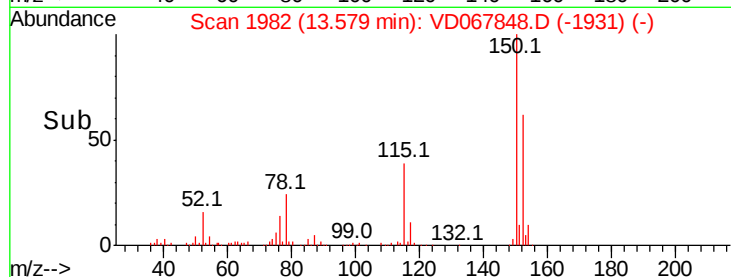
150 157.0 0.0 339.0



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: 66.351 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067848.D

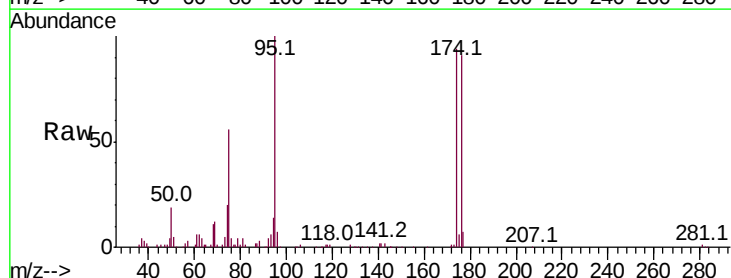
Acq: 02 Dec 2020 20:57

Tgt Ion: 75 Resp: 72270

Ion Ratio Lower Upper

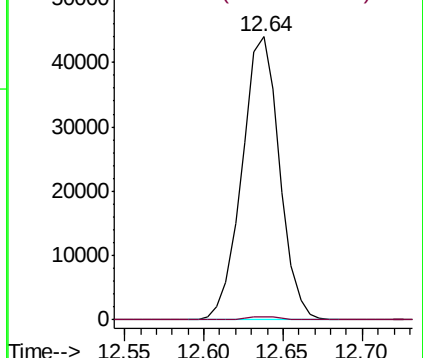
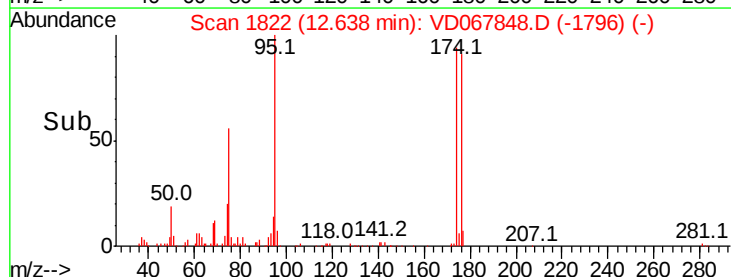
75 100

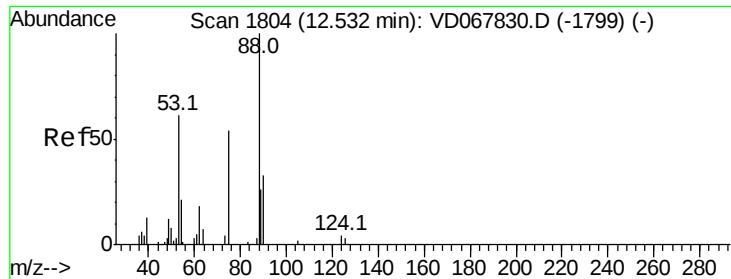
77 0.8 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 158.717 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067848.D

Acq: 02 Dec 2020 20:57

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPA

Tot Ion: 75 Resp: 72270

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

