

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067849.D
 Acq On : 02 Dec 2020 21:24
 Operator : VA/SY
 Sample : L4911-02
 Misc : 6.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 03 00:37:12 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	238299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	340661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143965	50.00	ug/l	0.00

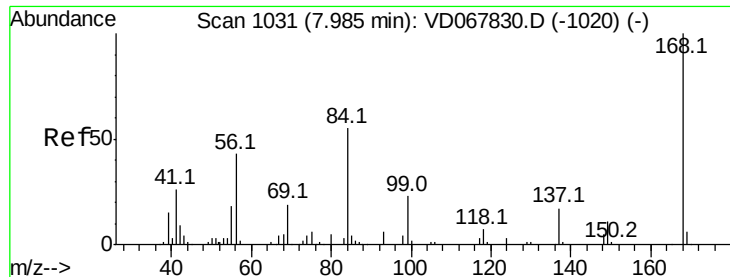
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	122726	47.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.94%		
35) Dibromofluoromethane	7.92	113	109056	47.84	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.68%		
50) Toluene-d8	10.34	98	393382	47.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.88%		
62) 4-Bromofluorobenzene	12.64	95	125356	44.19	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.38%		

Target Compounds

					Qvalue	
20) Methylene Chloride	4.97	84	6187	Below Cal	#	66
29) Tetrahydrofuran	7.56	42	601	3.175	ug/l #	50
31) Cyclohexane	7.98	56	4650	1.725	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	16927	5.740	ug/l #	50
38) Carbon Tetrachloride	7.98	117	25323	5.675	ug/l #	16
41) Methacrylonitrile	7.56	41	297	Below Cal	#	26
51) 4-Methyl-2-Pentanone	10.35	43	1271	1.717	ug/l #	1
71) Bromoform	12.63	173	1393	1.030	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	69672	66.456	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	69672	158.968	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Instrument :

MSVOA_D

ClientSampleId :

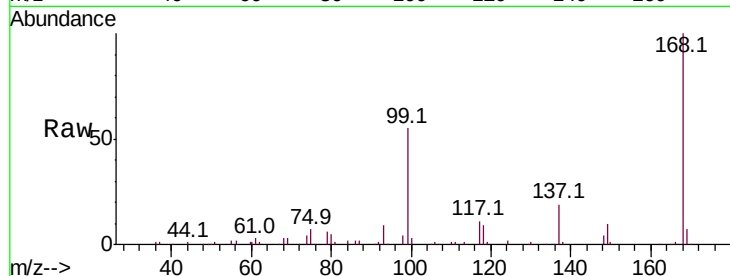
SK-12-1-SPB

Tot Ion:168 Resp: 238299

Ion Ratio Lower Upper

168 100

99 55.4 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

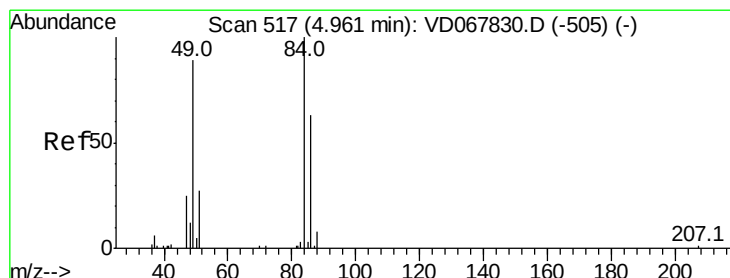
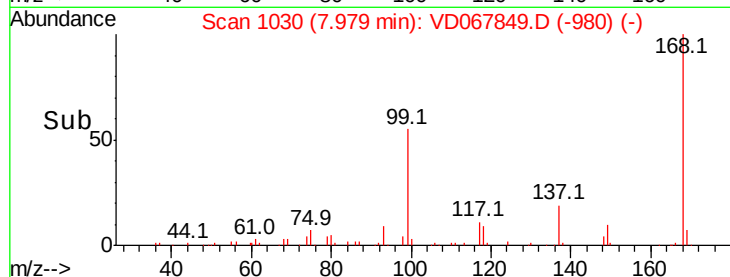
40000

20000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Tgt Ion: 84 Resp: 6187

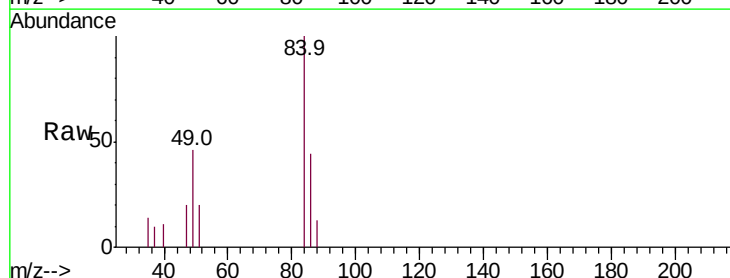
Ion Ratio Lower Upper

84 100

49 45.6 71.4 107.0#

51 20.0 21.8 32.8#

86 43.5 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

4000

3000

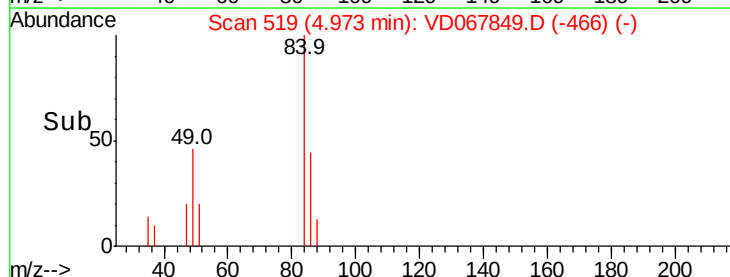
2000

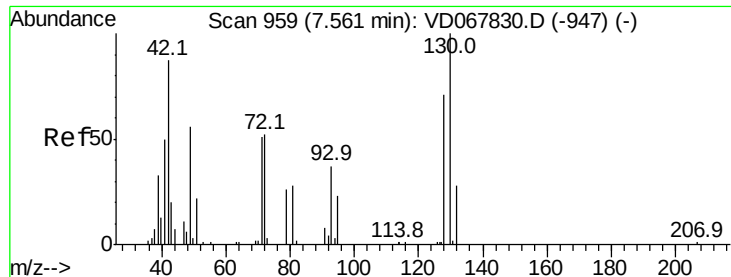
1000

0

Time-->

4.85 4.90 4.95 5.00 5.05





#29

Tetrahydrofuran

Concen: 3.175 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPB

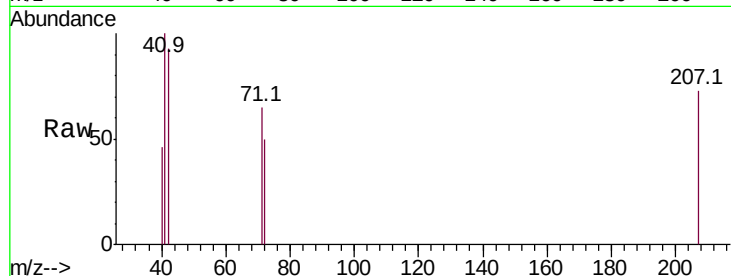
Tot Ion: 42 Resp: 601

Ion Ratio Lower Upper

42 100

72 23.3 51.9 77.9#

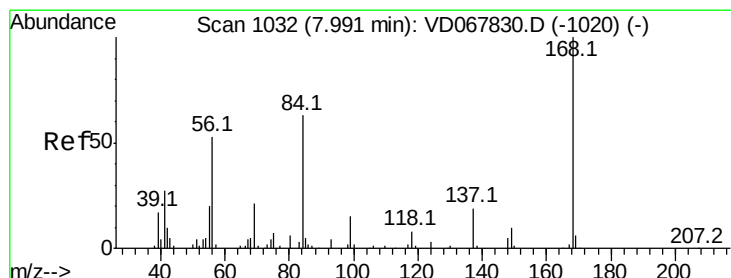
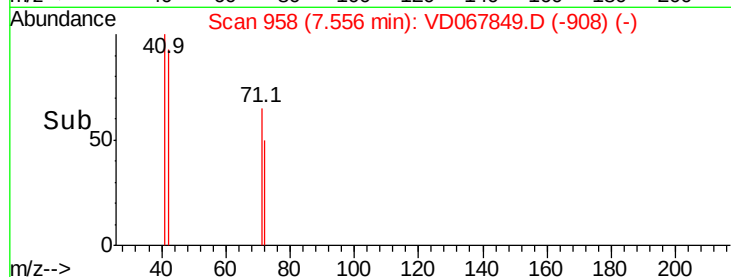
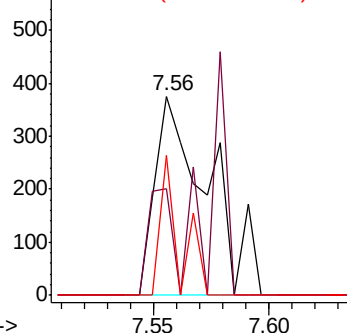
71 24.6 48.2 72.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.725 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

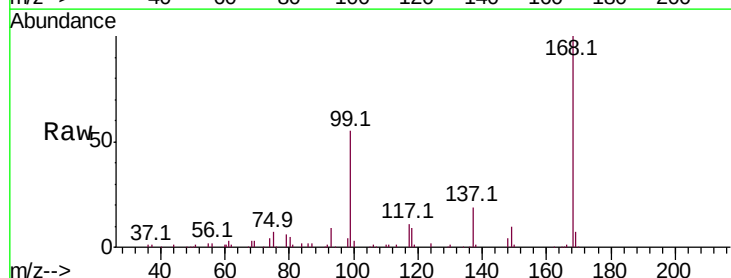
Tgt Ion: 56 Resp: 4650

Ion Ratio Lower Upper

56 100

69 162.8 32.1 48.1#

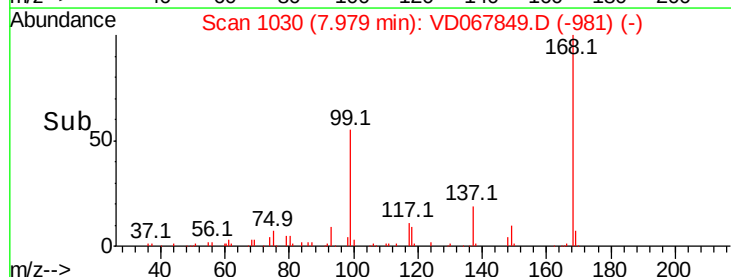
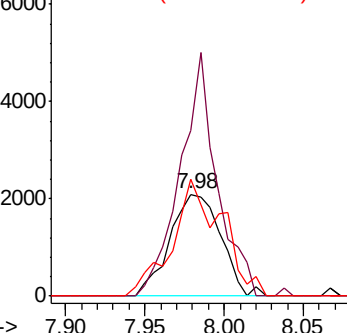
84 114.6 93.2 139.8

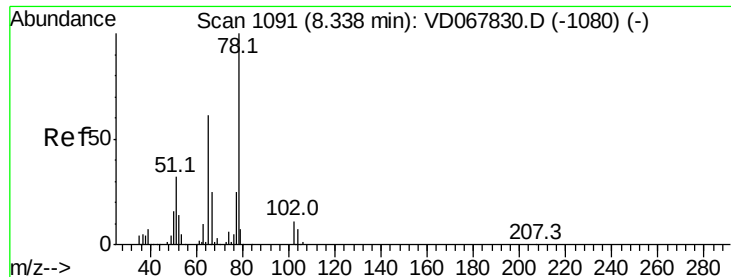


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.973 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

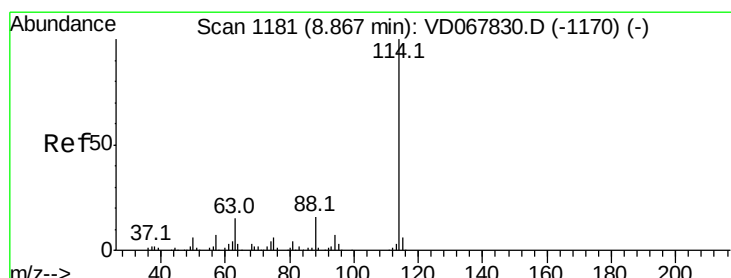
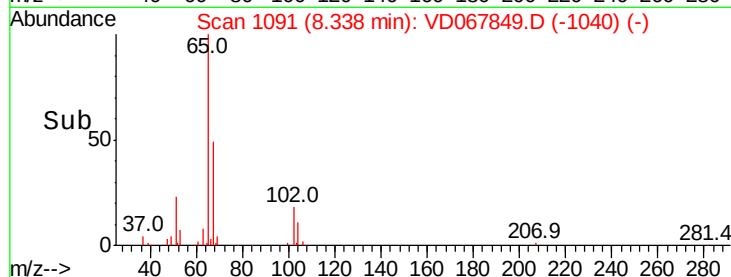
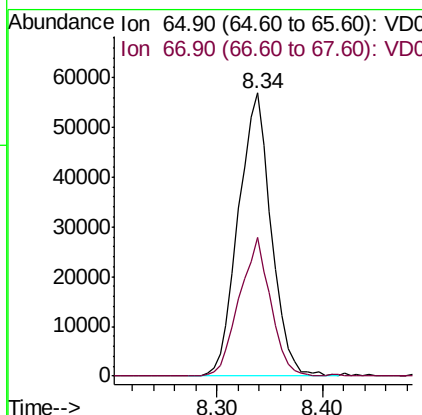
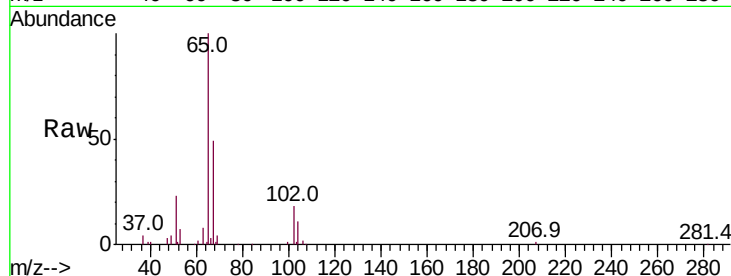
Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

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

Tot Ion: 65 Resp: 122726

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

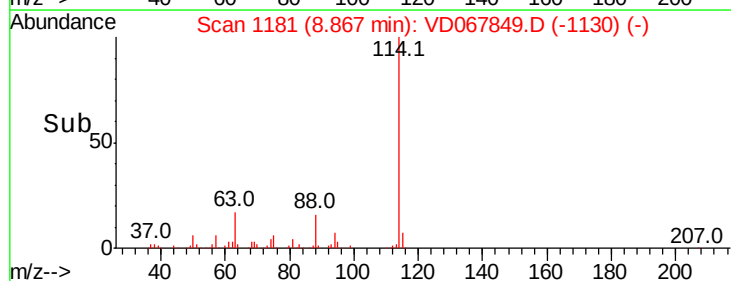
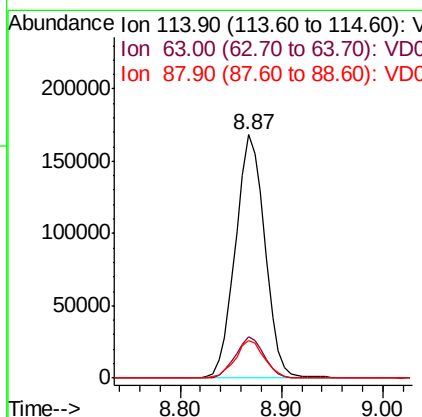
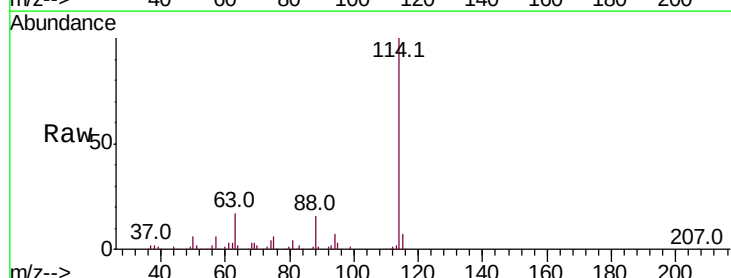
Delta R.T. 0.00 min

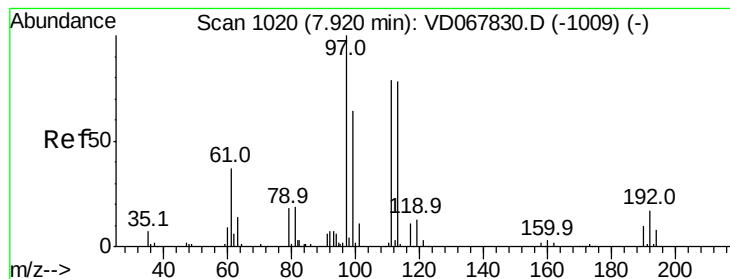
Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Tgt Ion: 114 Resp: 340661

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	30.8
88	15.5	0.0	31.8





#35

Dibromofluoromethane

Concen: 47.842 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPB

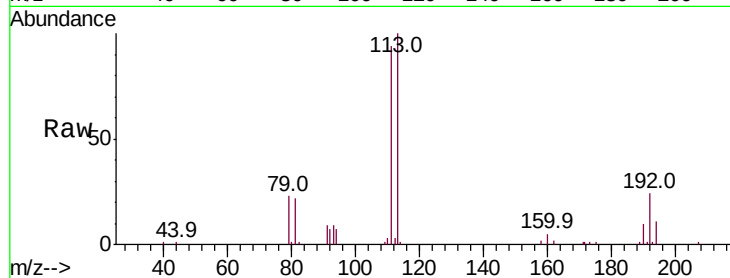
Tot Ion:113 Resp: 109056

Ion Ratio Lower Upper

113 100

111 98.5 81.2 121.8

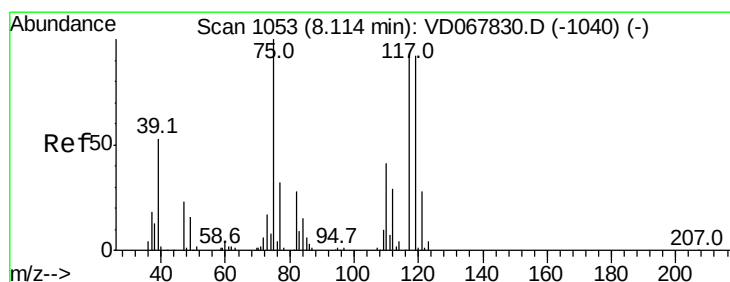
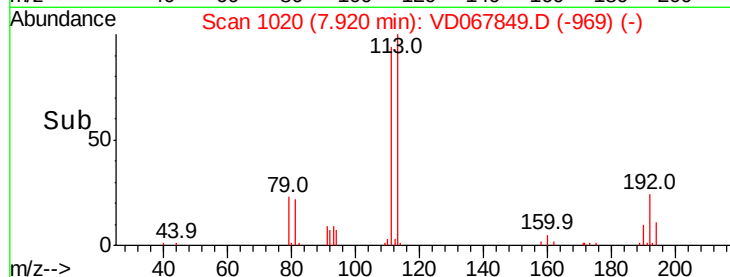
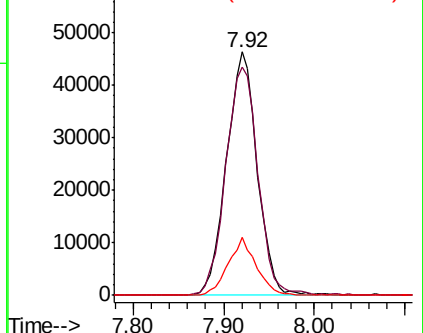
192 21.5 16.8 25.2



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: 5.740 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

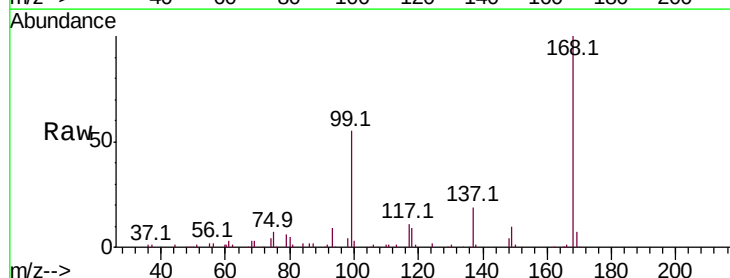
Tgt Ion: 75 Resp: 16927

Ion Ratio Lower Upper

75 100

110 12.9 20.3 61.0#

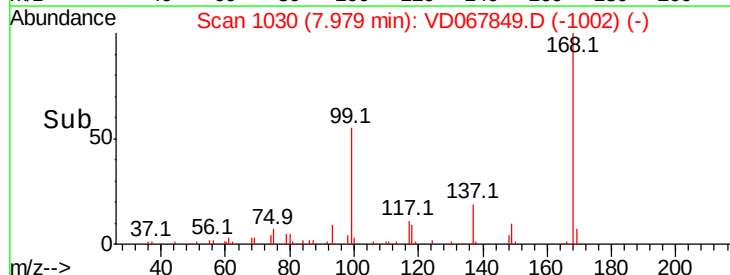
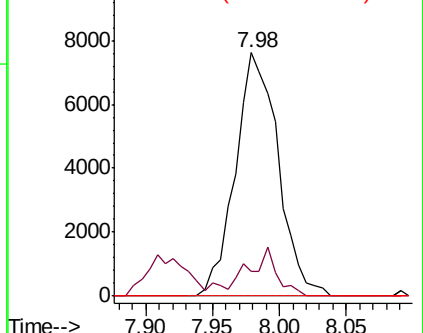
77 0.0 24.7 37.1#

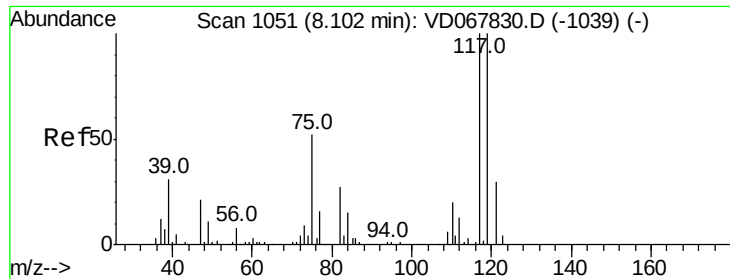


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.675 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Instrument :

MSVOA_D

ClientSampleId :

SK-12-1-SPB

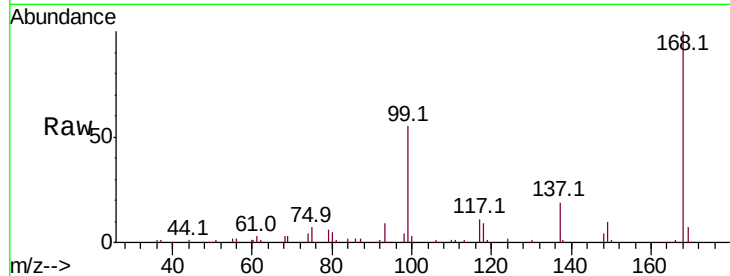
Tot Ion:117 Resp: 25323

Ion Ratio Lower Upper

117 100

119 6.9 79.7 119.5#

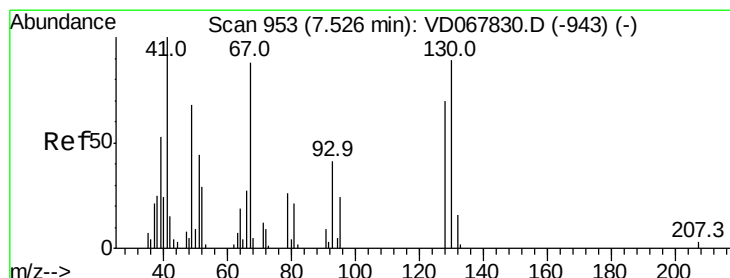
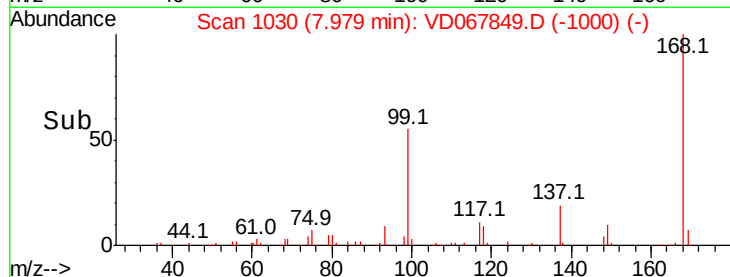
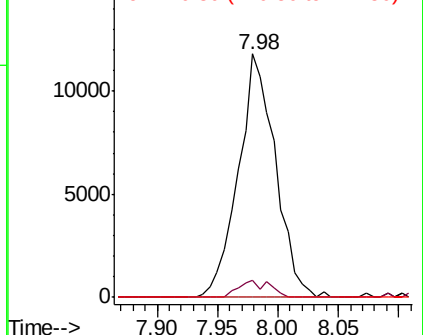
121 0.0 23.8 35.6#



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: VD067849.D

Acq: 02 Dec 2020 21:24

Tgt Ion: 41 Resp: 297

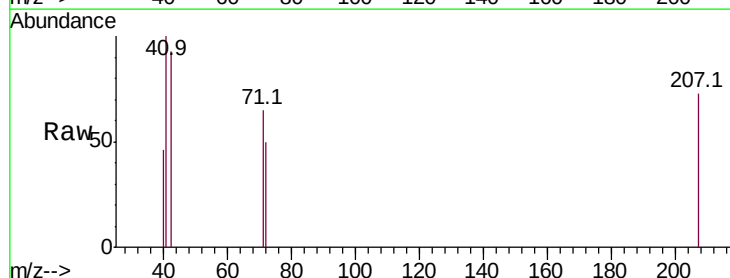
Ion Ratio Lower Upper

41 100

39 32.7 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

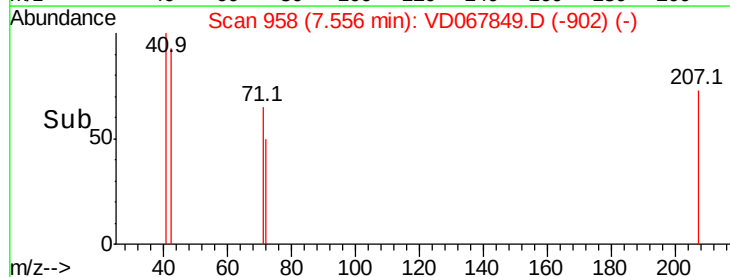
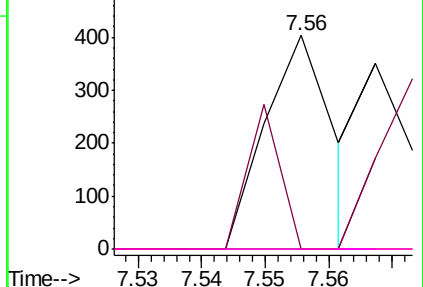


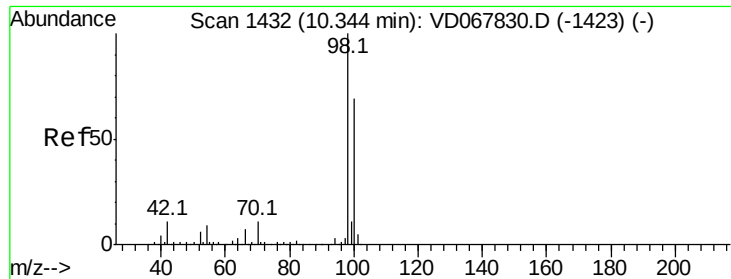
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

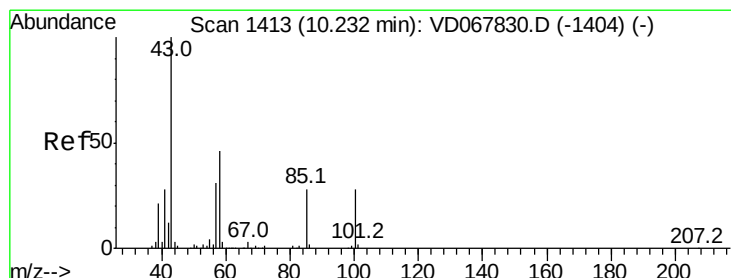
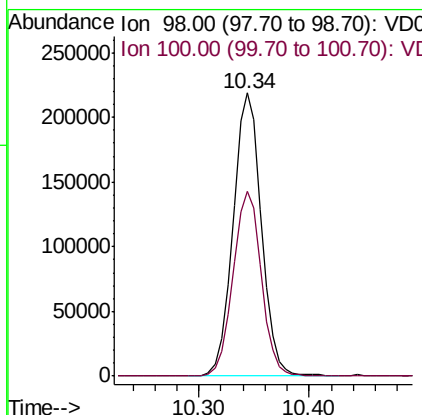
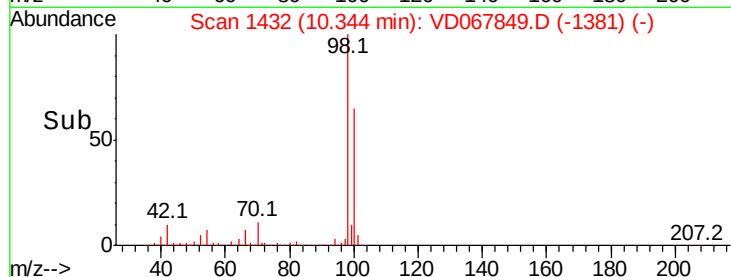
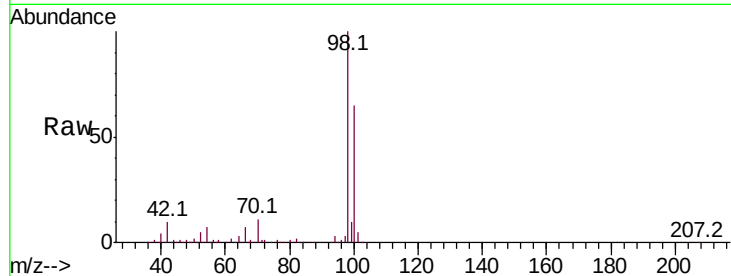




#50
Toluene-d8
Concen: 47.939 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067849.D
Acq: 02 Dec 2020 21:24

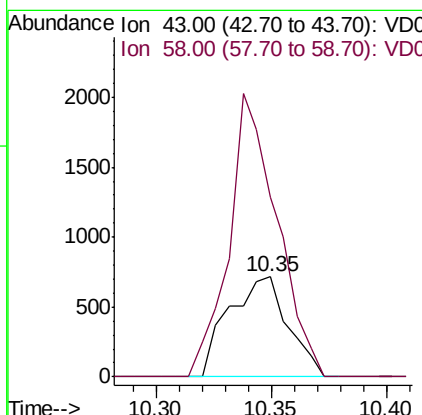
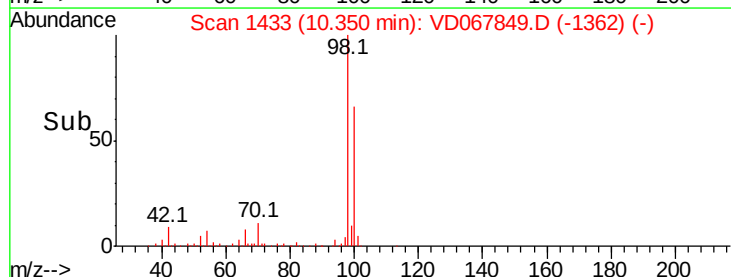
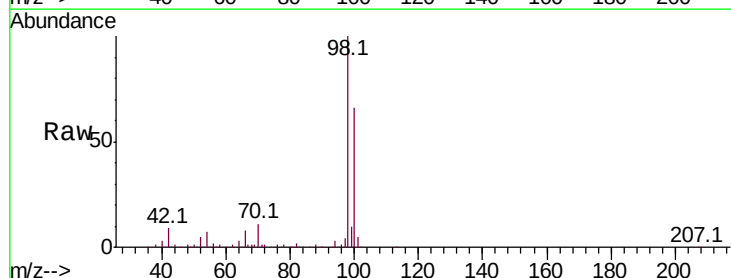
Instrument :
MSVOA_D
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SK-12-1-SPB

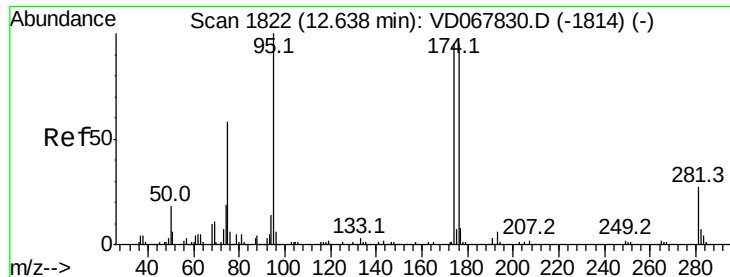
Tot Ion: 98 Resp: 393382
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.717 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067849.D
Acq: 02 Dec 2020 21:24

Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 230.8 35.7 53.5#

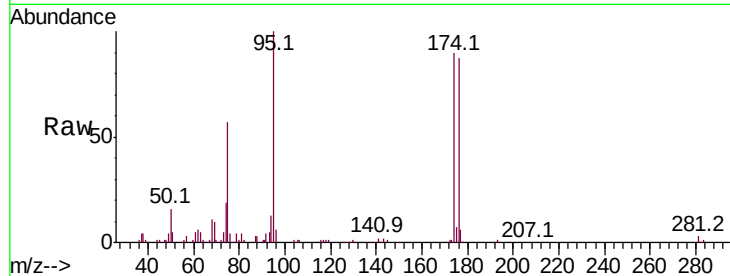




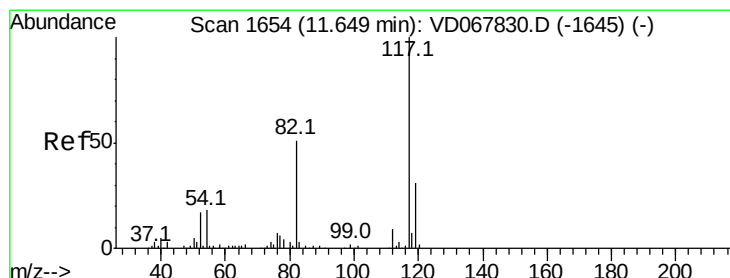
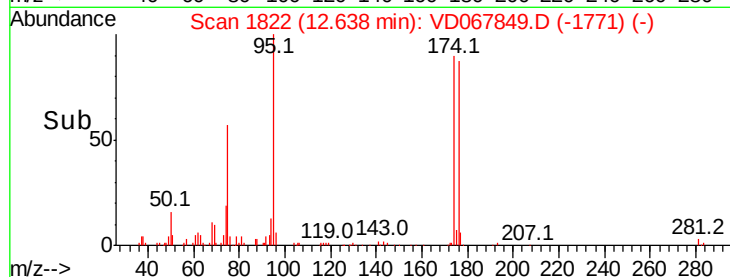
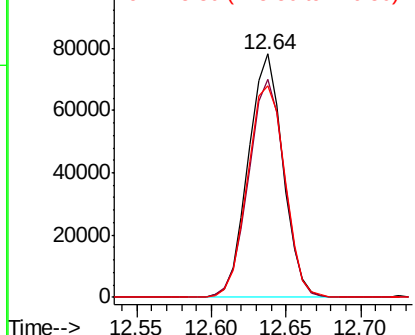
#62
4-Bromofluorobenzene
Concen: 44.186 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067849.D
Acq: 02 Dec 2020 21:24

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

Tot Ion: 95 Resp: 125356
Ion Ratio Lower Upper
95 100
174 92.3 0.0 186.0
176 93.6 0.0 184.2

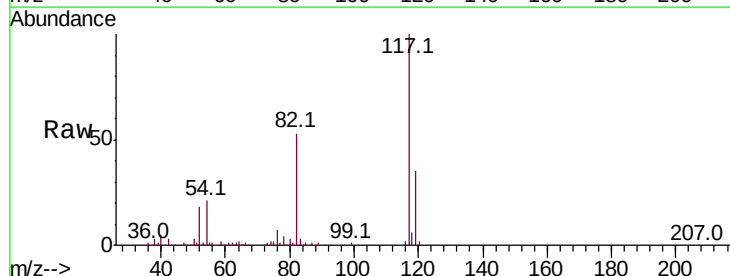


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

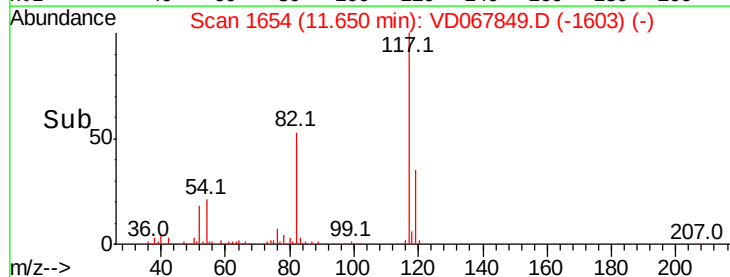
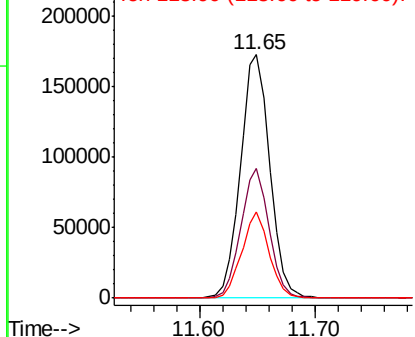


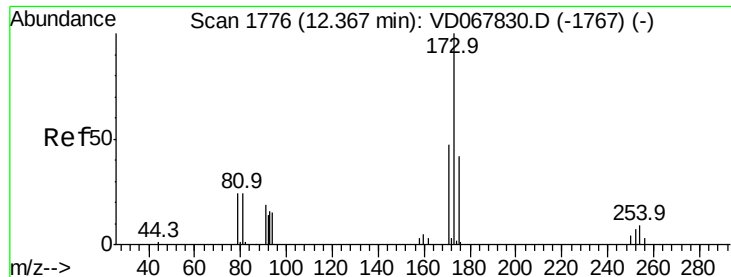
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067849.D
Acq: 02 Dec 2020 21:24

Tgt Ion: 117 Resp: 303633
Ion Ratio Lower Upper
117 100
82 53.2 40.6 60.8
119 35.4 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

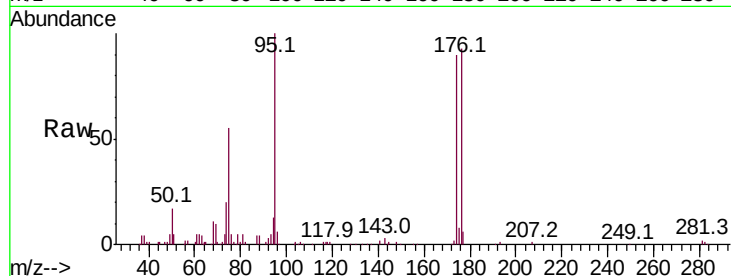




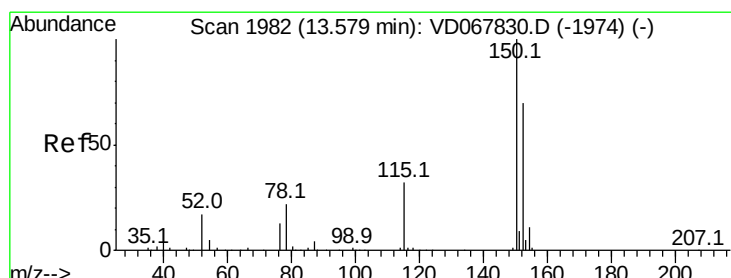
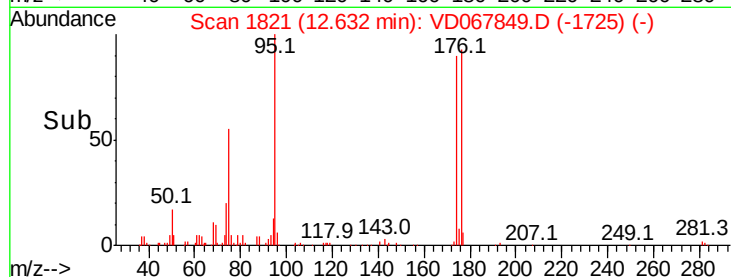
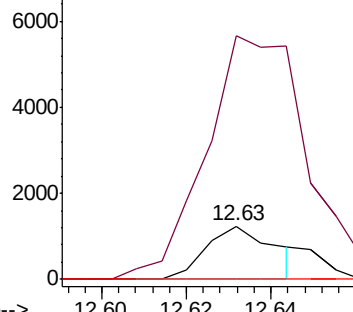
#71
Bromoform
Concen: 1.030 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD067849.D
Acq: 02 Dec 2020 21:24

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

Tot Ion:173 Resp: 1393
Ion Ratio Lower Upper
173 100
175 424.4 23.4 70.3#
254 0.0 0.1 0.1#

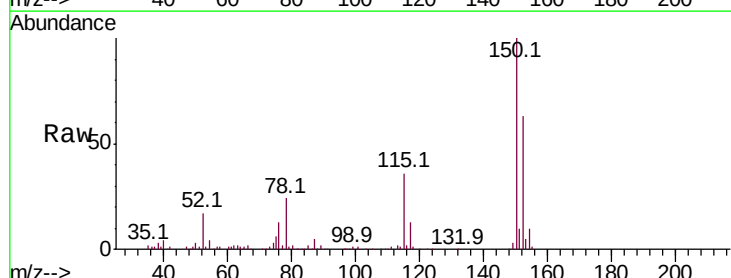


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

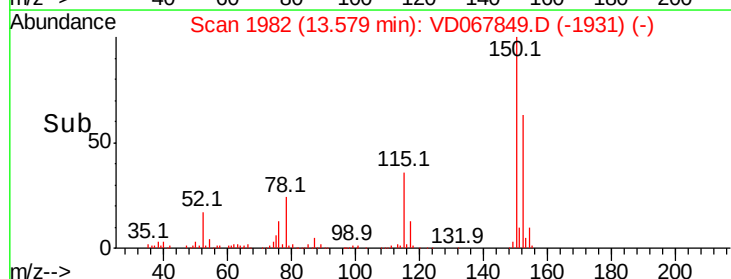
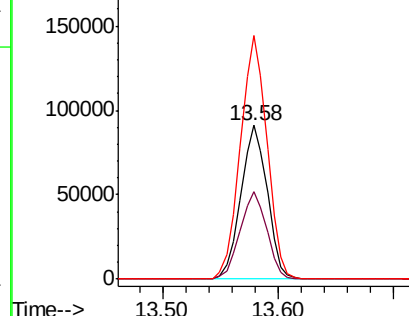


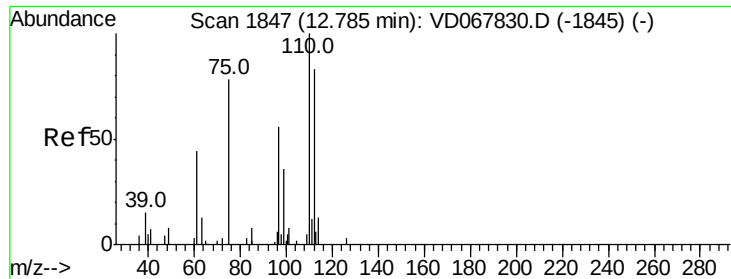
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067849.D
Acq: 02 Dec 2020 21:24

Tgt Ion:152 Resp: 143965
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.4
150 160.3 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: 66.456 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Instrument :

MSVOA_D

ClientSampleId :

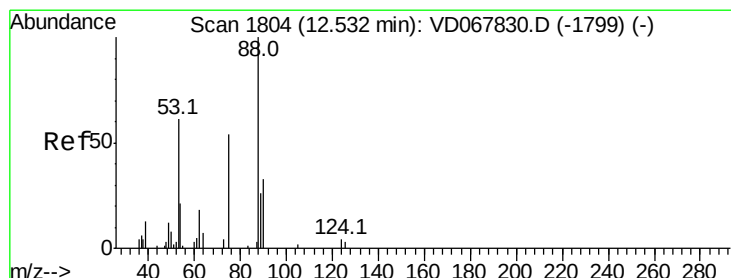
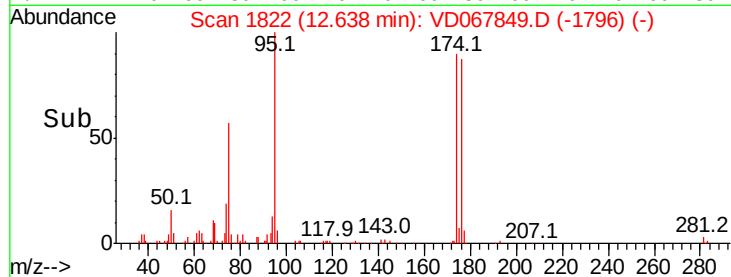
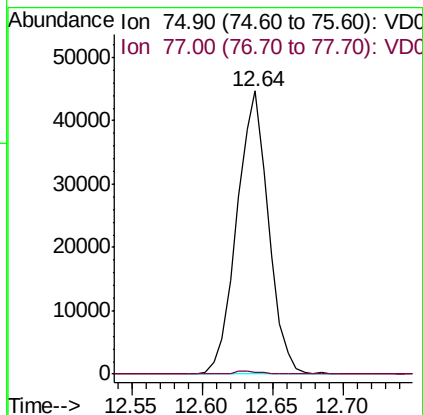
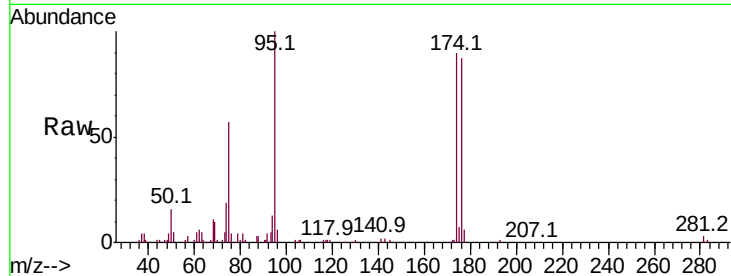
SK-12-1-SPB

Tot Ion: 75 Resp: 69672

Ion Ratio Lower Upper

75 100

77 0.9 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 158.968 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067849.D

Acq: 02 Dec 2020 21:24

Tgt Ion: 75 Resp: 69672

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.0 41.0 61.6#

