

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067844.D
 Acq On : 02 Dec 2020 19:08
 Operator : VA/SY
 Sample : L4906-01
 Misc : 6.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 4-DRUM

Quant Time: Dec 03 00:36:40 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	254180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	368118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	325163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	129792	47.57	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.14%
35) Dibromofluoromethane	7.92	113	113051	45.90	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.80%
50) Toluene-d8	10.34	98	407595	45.97	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.94%
62) 4-Bromofluorobenzene	12.64	95	135045	44.05	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.10%

Target Compounds

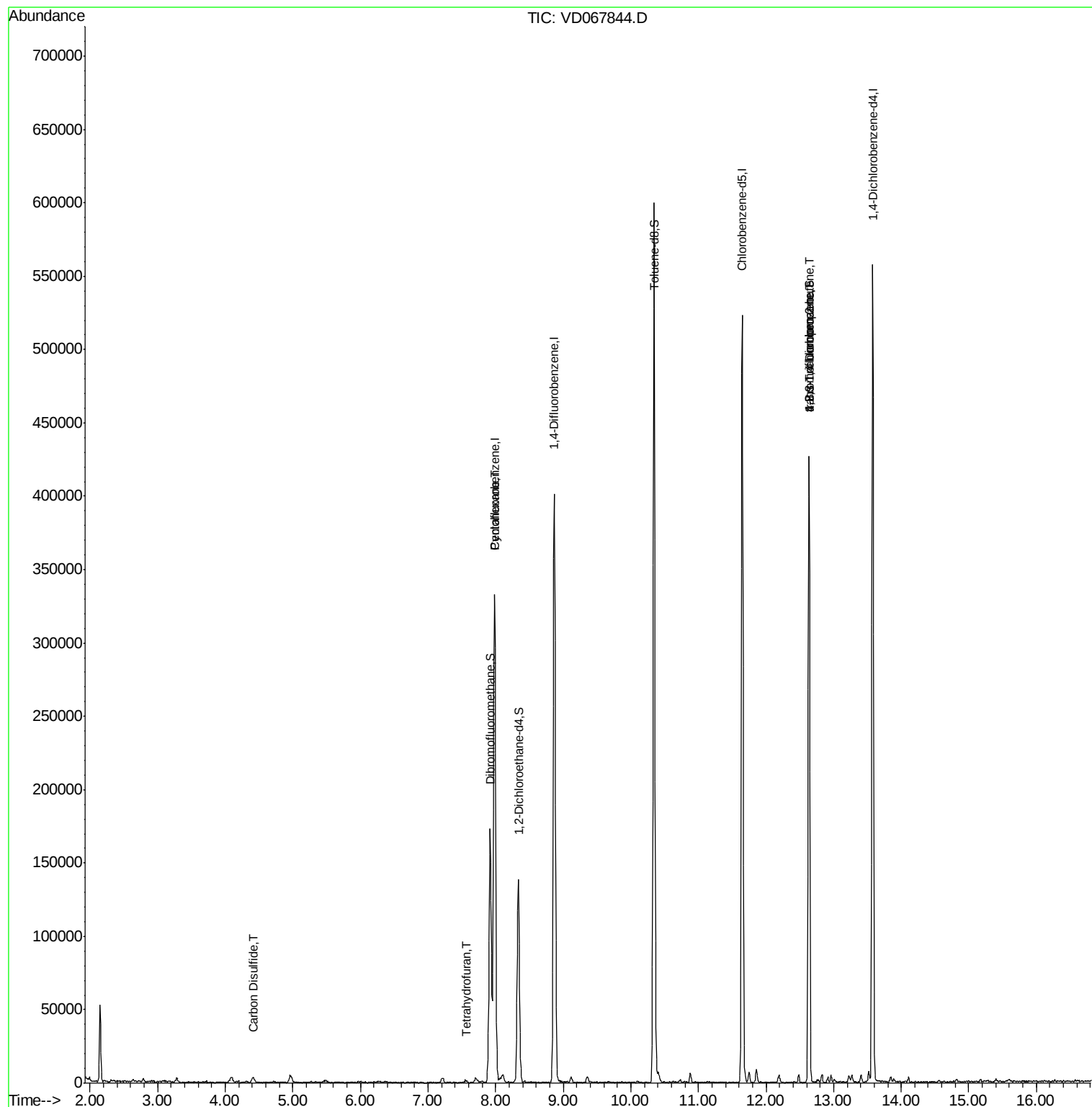
					Qvalue	
17) Carbon Disulfide	4.41	76	7435	1.264	ug/l #	79
18) Methyl Acetate	4.72	43	55	Below Cal	#	41
20) Methylene Chloride	4.96	84	2161	Below Cal	#	87
29) Tetrahydrofuran	7.57	42	416	2.060	ug/l #	41
31) Cyclohexane	7.98	56	6419	2.233	ug/l #	51
41) Methacrylonitrile	7.56	41	340	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.64	75	73290	63.986	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	73290	153.061	ug/l #	7

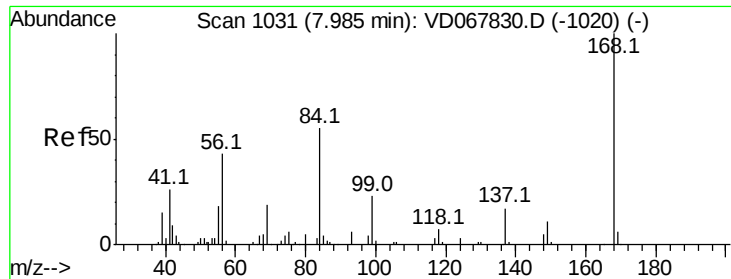
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120220\
Data File : VD067844.D
Acq On : 02 Dec 2020 19:08
Operator : VA/SY
Sample : L4906-01
Misc : 6.12G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
4-DRUM

Quant Time: Dec 03 00:36:40 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: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampleId :

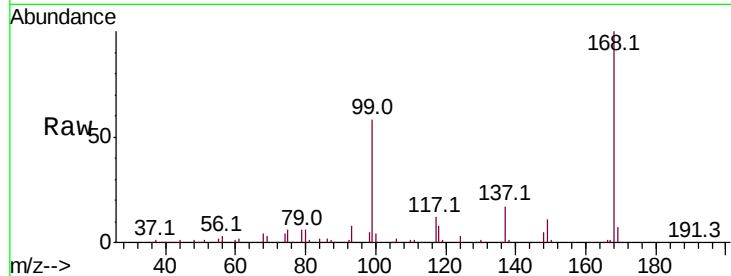
4-DRUM

Tot Ion:168 Resp: 254180

Ion Ratio Lower Upper

168 100

99 57.3 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

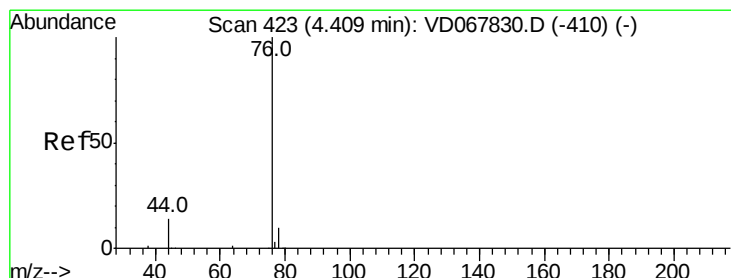
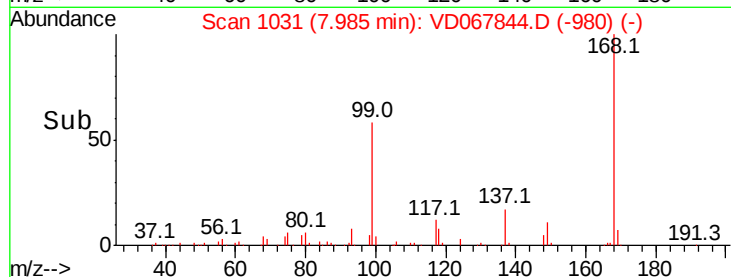
60000

40000

20000

0

Time-->



#17

Carbon Disulfide

Concen: 1.264 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067844.D

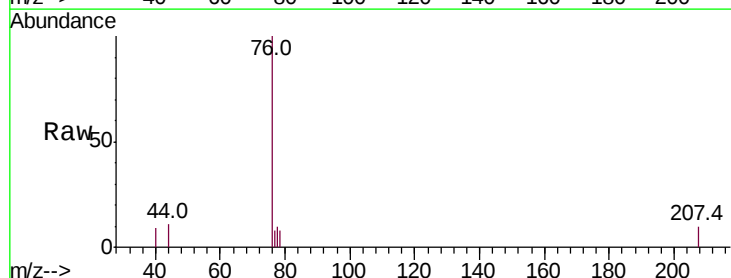
Acq: 02 Dec 2020 19:08

Tgt Ion: 76 Resp: 7435

Ion Ratio Lower Upper

76 100

78 17.4 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

3000

2500

2000

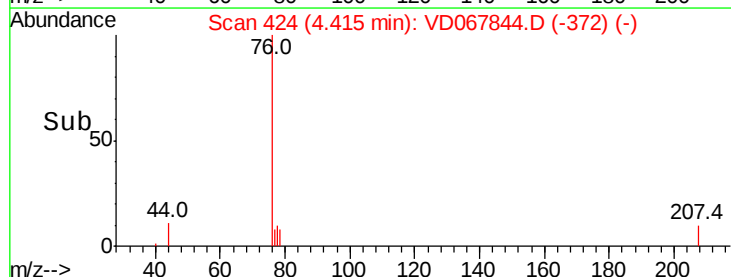
1500

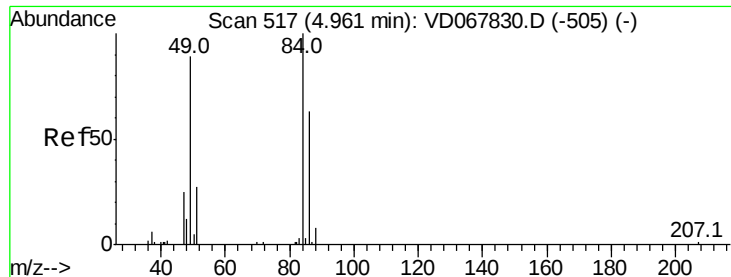
1000

500

0

Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampleId :

4-DRUM

Tot Ion: 84 Resp: 2161

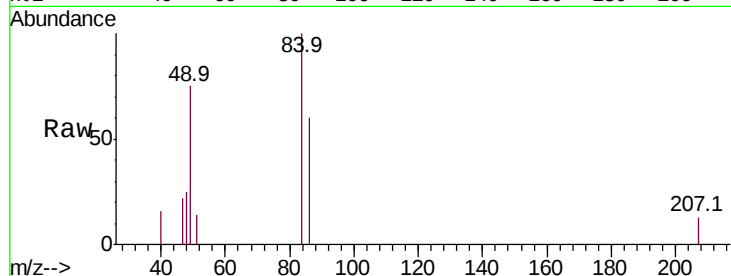
Ion Ratio Lower Upper

84 100

49 74.5 71.4 107.0

51 13.8 21.8 32.8#

86 60.3 50.6 75.8

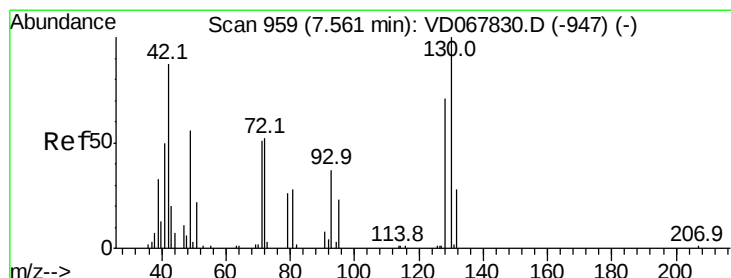
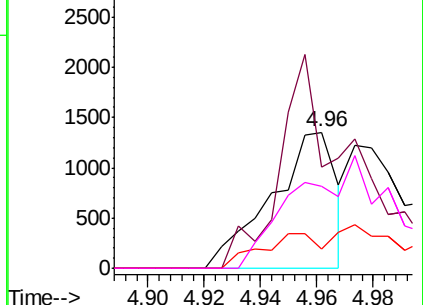
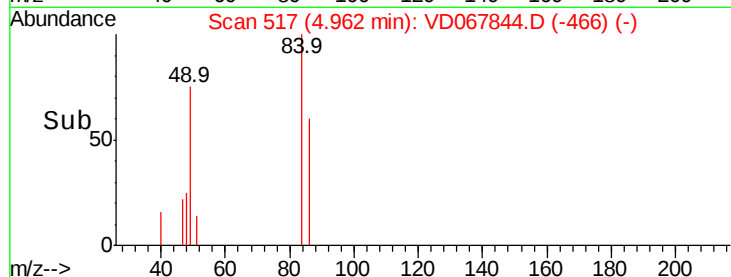


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#29

Tetrahydrofuran

Concen: 2.060 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067844.D

Acq: 02 Dec 2020 19:08

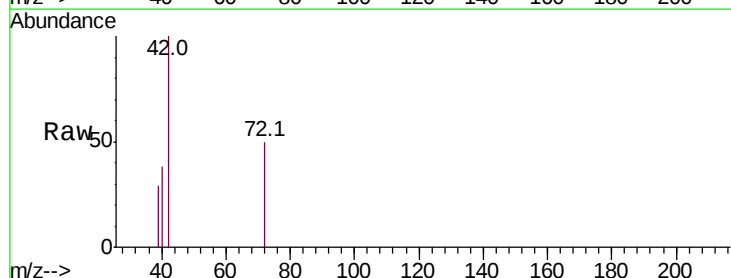
Tgt Ion: 42 Resp: 416

Ion Ratio Lower Upper

42 100

72 114.7 51.9 77.9#

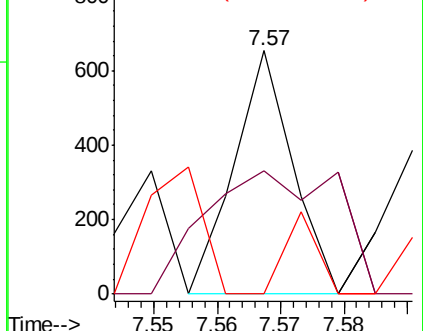
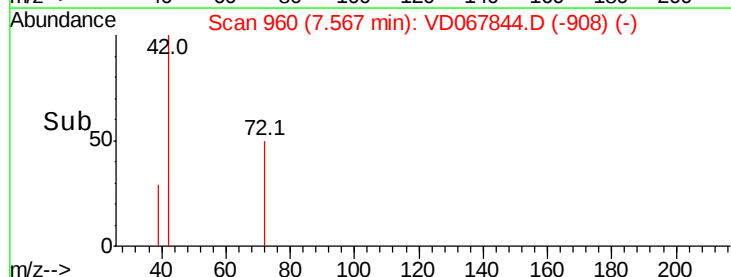
71 18.8 48.2 72.4#

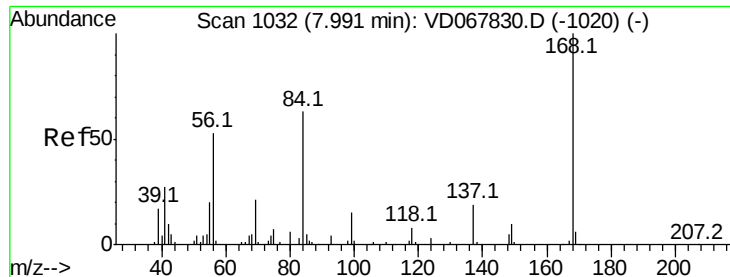


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

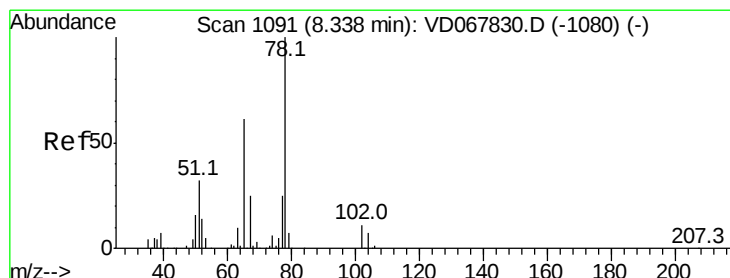
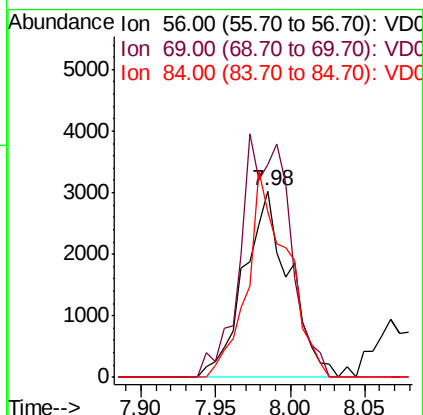
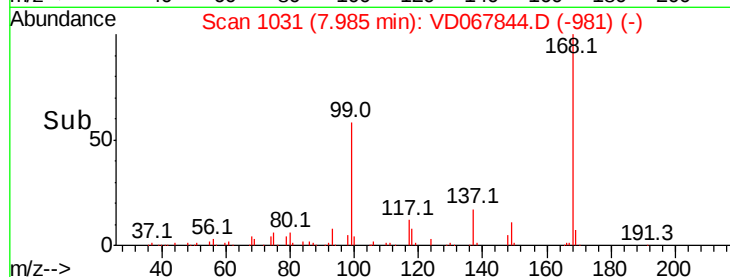
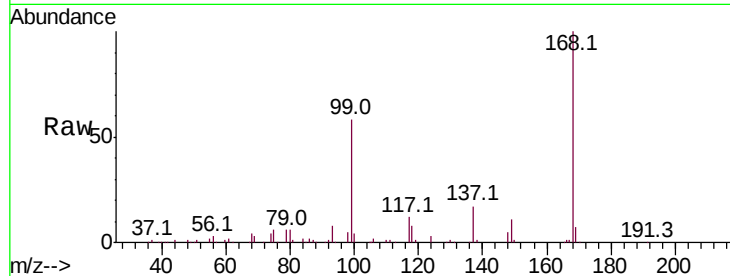




#31
Cyclohexane
Concen: 2.233 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067844.D
Acq: 02 Dec 2020 19:08

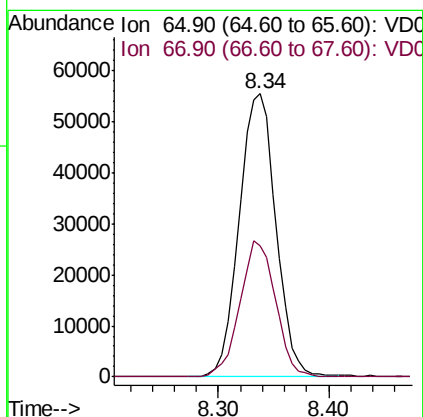
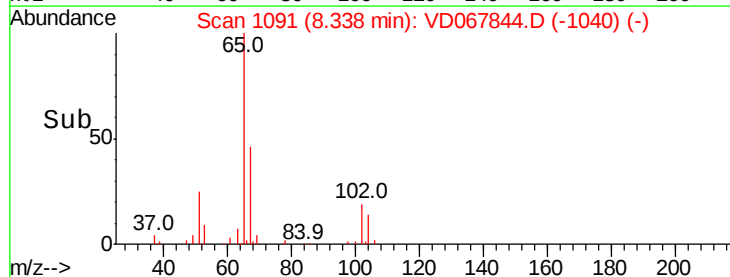
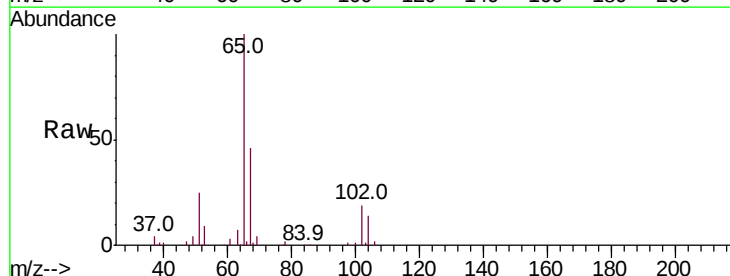
Instrument :
MSVOA_D
ClientSampleId :
4-DRUM

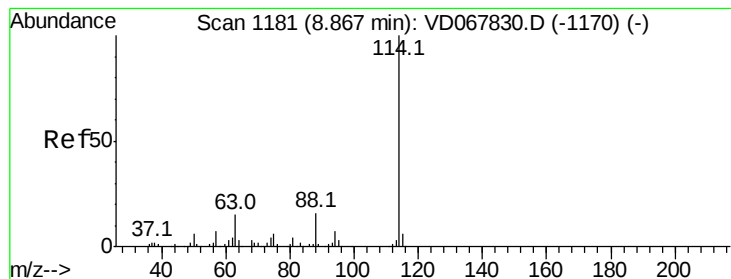
Tot Ion: 56 Resp: 6419
Ion Ratio Lower Upper
56 100
69 114.1 32.1 48.1#
84 89.1 93.2 139.8#



#33
1,2-Dichloroethane-d4
Concen: 47.565 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067844.D
Acq: 02 Dec 2020 19:08

Tgt Ion: 65 Resp: 129792
Ion Ratio Lower Upper
65 100
67 46.7 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: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampleId :

4-DRUM

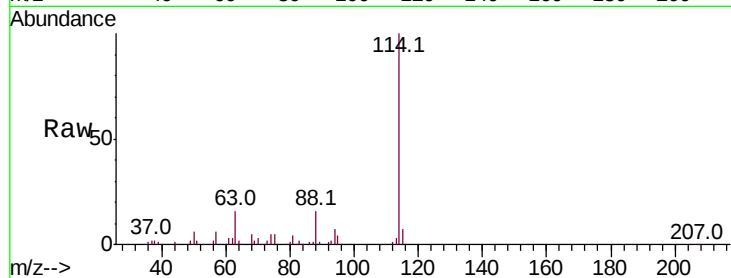
Tot Ion:114 Resp: 368118

Ion Ratio Lower Upper

114 100

63 16.4 0.0 30.8

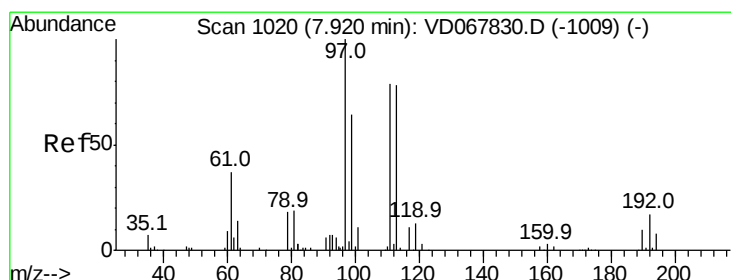
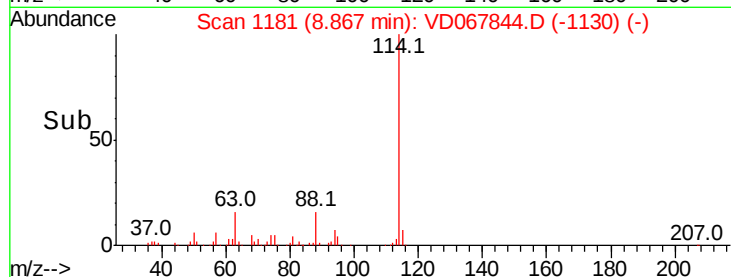
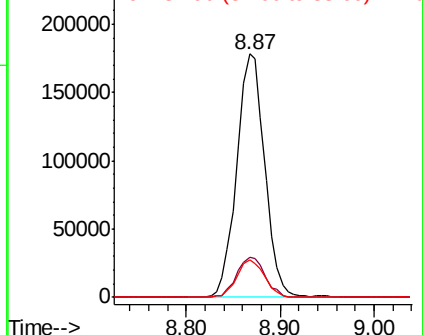
88 15.6 0.0 31.8



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: 45.895 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067844.D

Acq: 02 Dec 2020 19:08

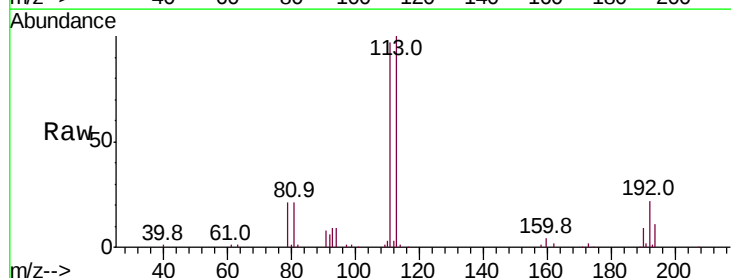
Tgt Ion:113 Resp: 113051

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

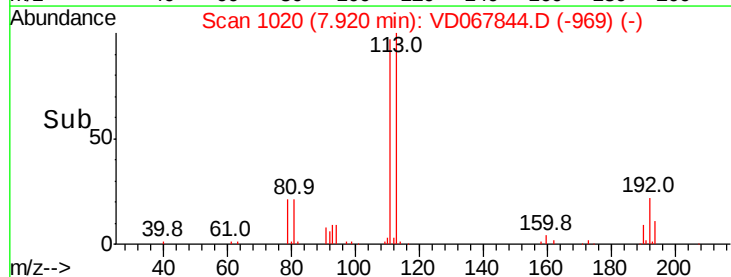
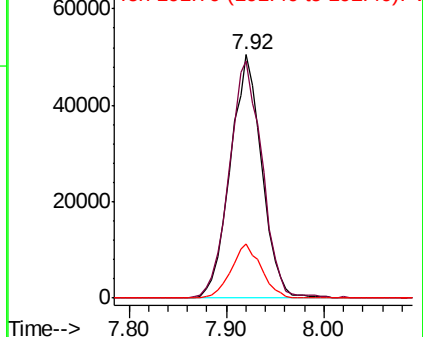
192 21.4 16.8 25.2

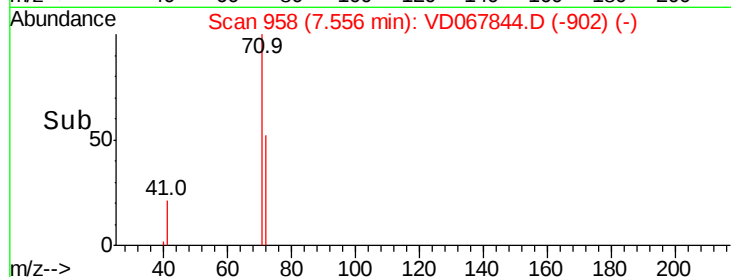
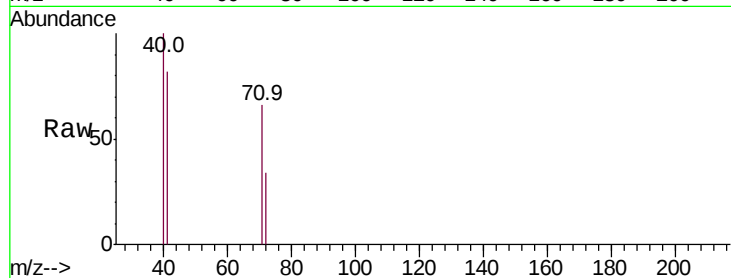
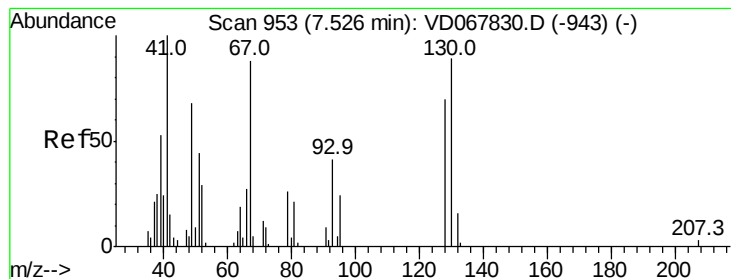


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.56 min Scan# 958

Delta R.T. 0.03 min

Lab File: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampleId :

4-DRUM

Tot Ion: 41 Resp: 340

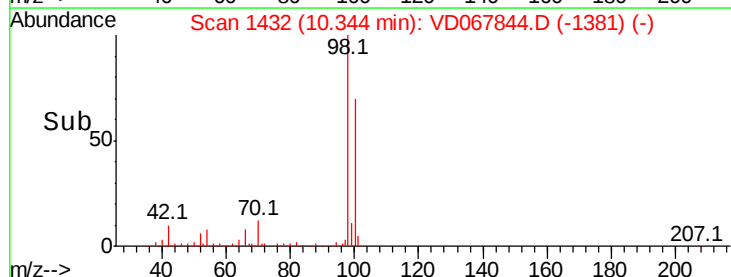
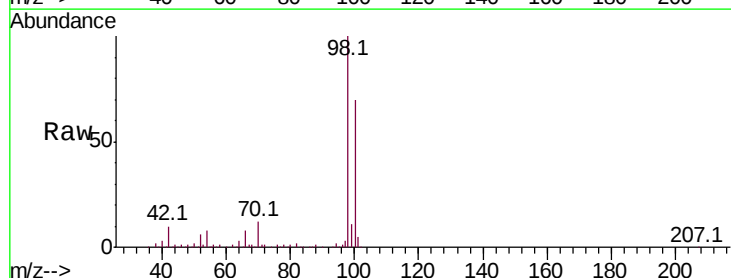
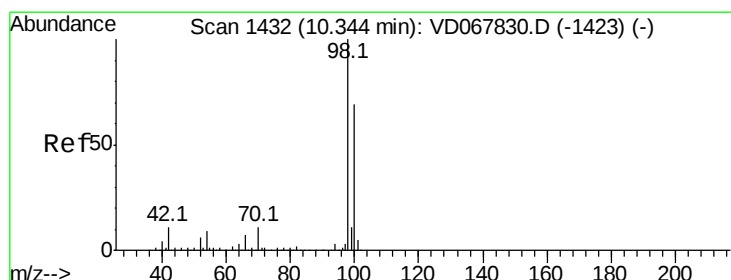
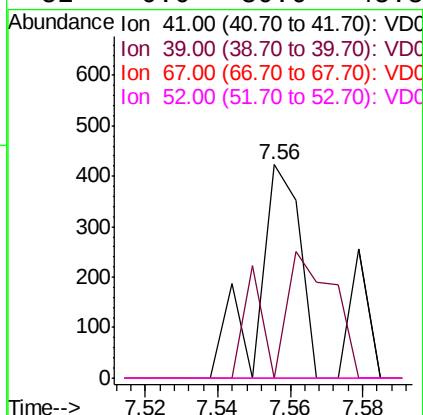
Ion Ratio Lower Upper

41 100

39 68.8 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#



#50

Toluene-d8

Concen: 45.967 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067844.D

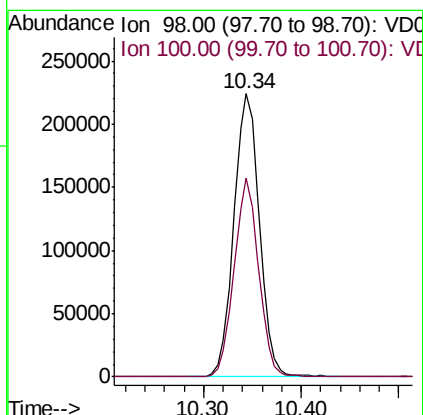
Acq: 02 Dec 2020 19:08

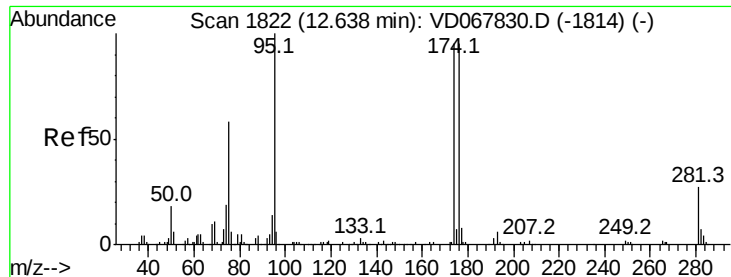
Tgt Ion: 98 Resp: 407595

Ion Ratio Lower Upper

98 100

100 67.6 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 44.051 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampled :

4-DRUM

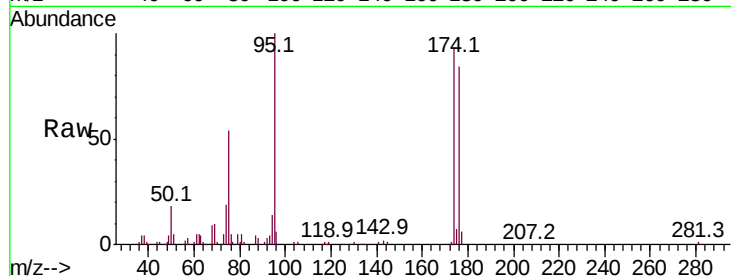
Tot Ion: 95 Resp: 135045

Ion Ratio Lower Upper

95 100

174 93.8 0.0 186.0

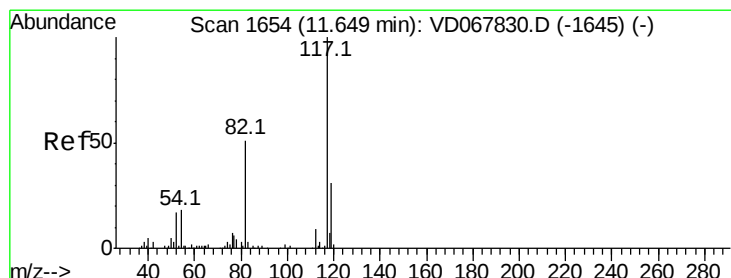
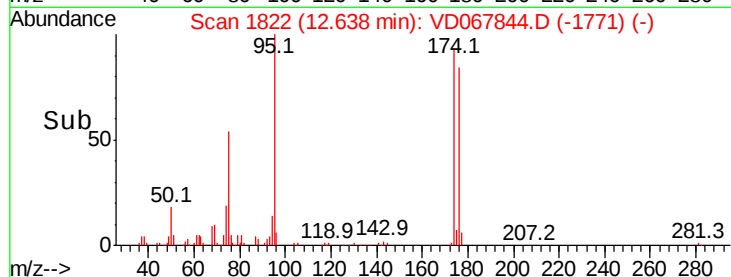
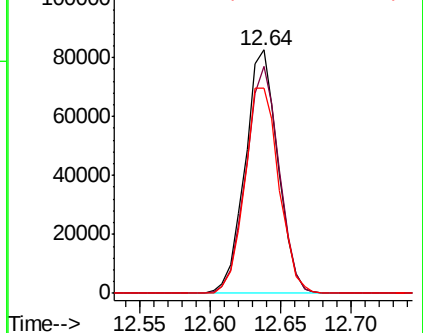
176 88.5 0.0 184.2



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: VD067844.D

Acq: 02 Dec 2020 19:08

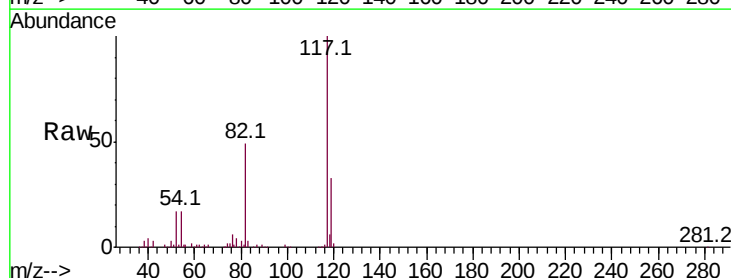
Tgt Ion: 117 Resp: 325163

Ion Ratio Lower Upper

117 100

82 48.6 40.6 60.8

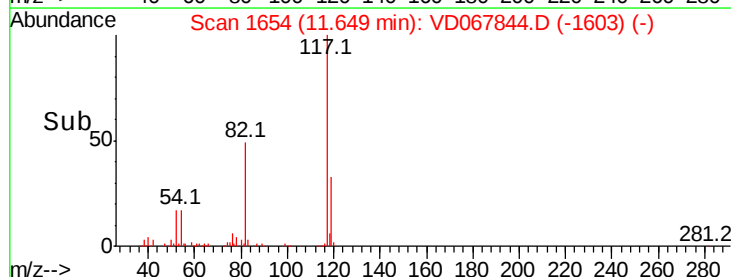
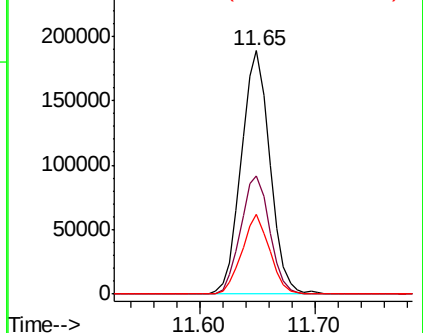
119 32.5 25.1 37.7

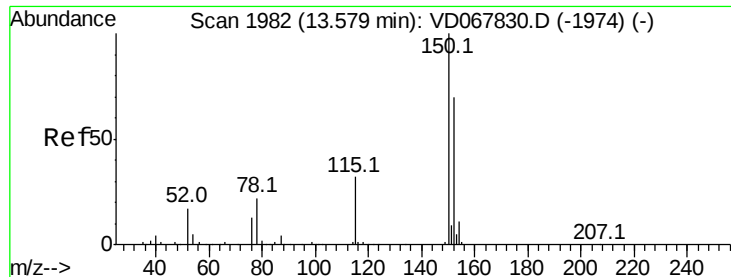


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampleId :

4-DRUM

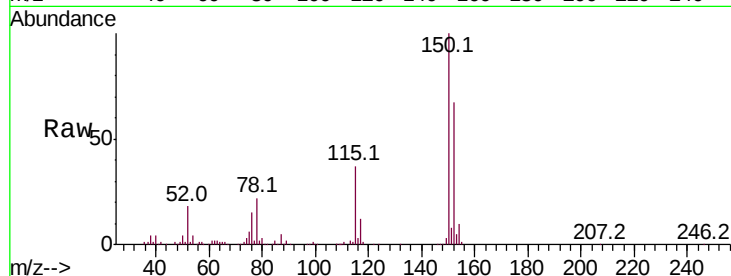
Tot Ion:152 Resp: 157286

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.4

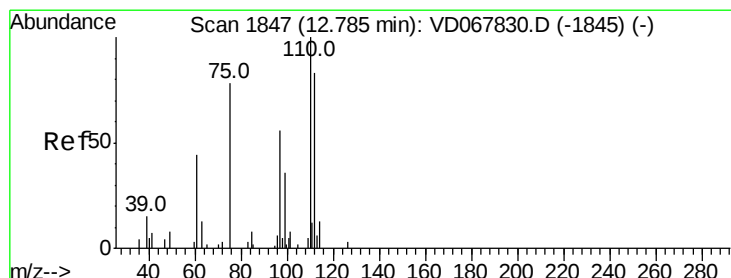
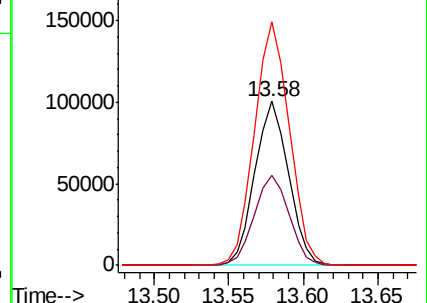
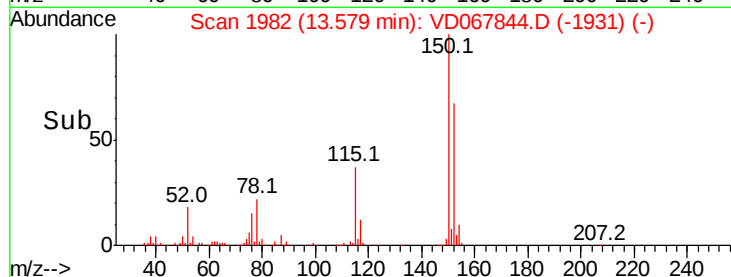
150 153.3 0.0 339.0



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: 63.986 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067844.D

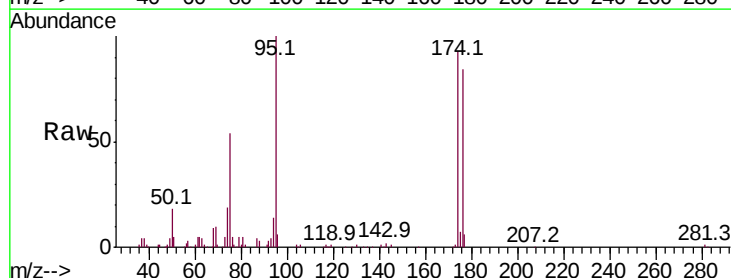
Acq: 02 Dec 2020 19:08

Tgt Ion: 75 Resp: 73290

Ion Ratio Lower Upper

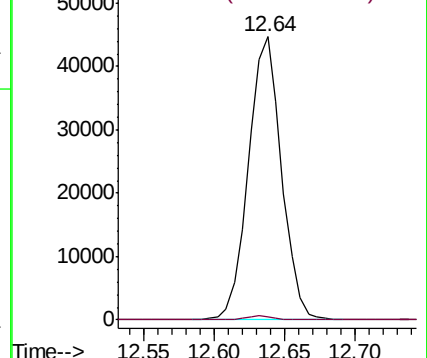
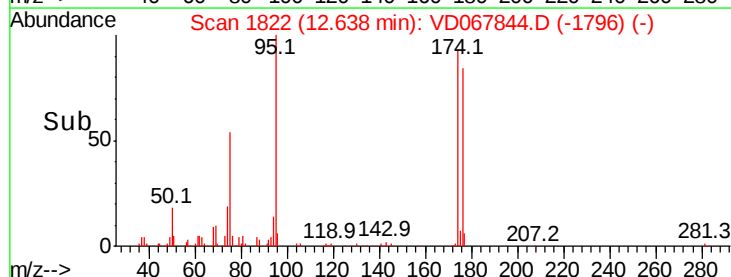
75 100

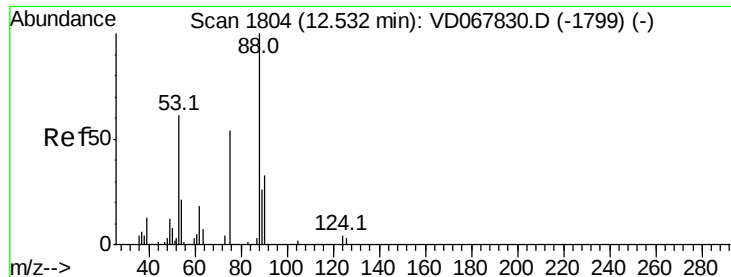
77 1.2 175.9 527.7#



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: 153.061 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067844.D

Acq: 02 Dec 2020 19:08

Instrument :

MSVOA_D

ClientSampleId :

4-DRUM

Tot Ion: 75 Resp: 73290

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.0 41.0 61.6#

