

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067862.D
 Acq On : 03 Dec 2020 12:22
 Operator : VA/SY
 Sample : L4917-01
 Misc : 5.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-12220

Quant Time: Dec 04 01:08:03 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	7.99	168	230364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	119985	48.52	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.04%
35) Dibromofluoromethane	7.92	113	100607	45.89	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.78%
50) Toluene-d8	10.34	98	368036	46.64	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.28%
62) 4-Bromofluorobenzene	12.64	95	120192	44.05	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.10%

Target Compounds

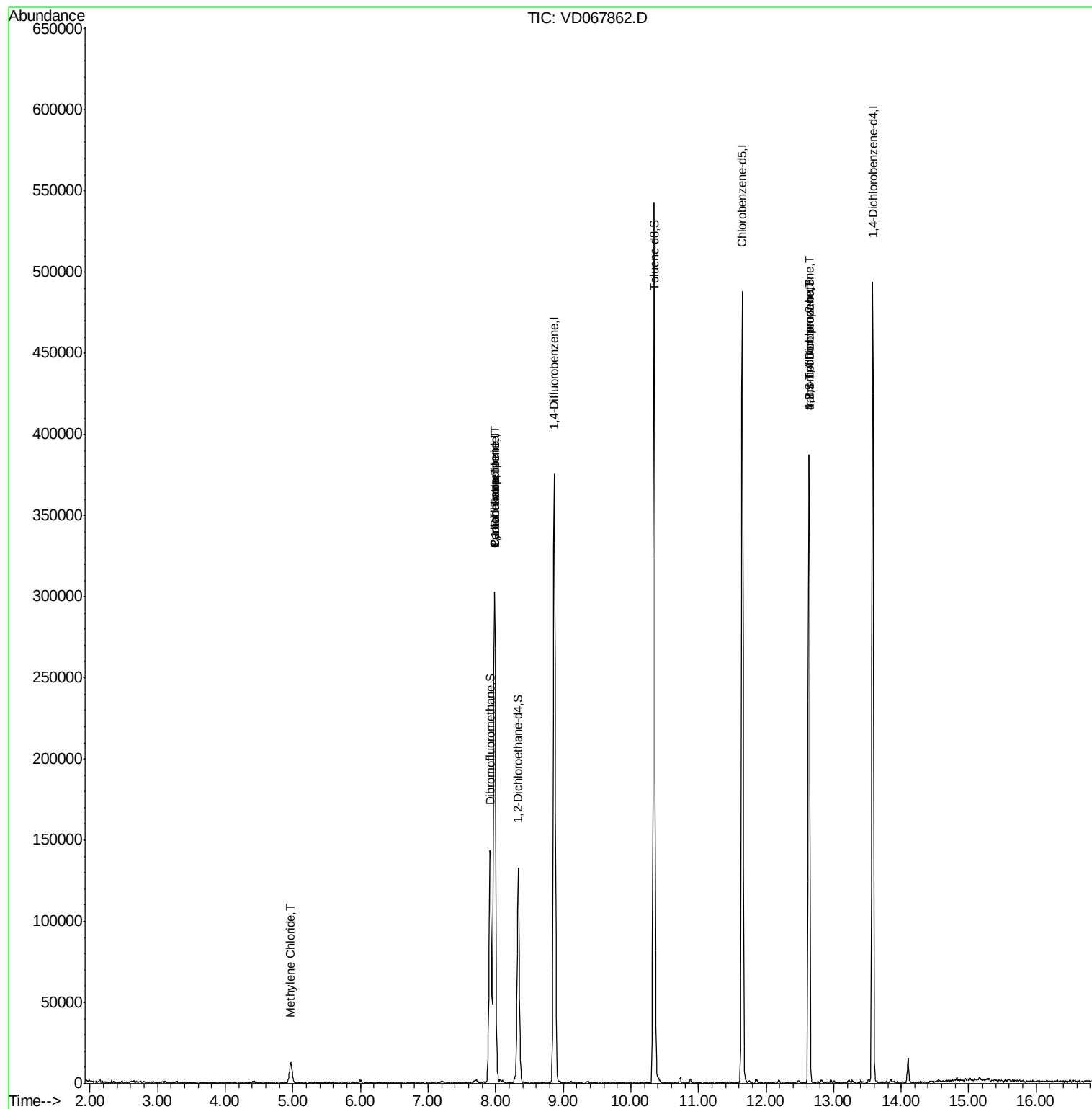
					Qvalue	
20) Methylene Chloride	4.97	84	10240	1.161	ug/l #	85
31) Cyclohexane	7.99	56	5113	1.962	ug/l #	52
36) 1,1-Dichloropropene	7.99	75	16327	5.757	ug/l #	50
38) Carbon Tetrachloride	7.99	117	24300	5.663	ug/l #	15
41) Methacrylonitrile	7.56	41	272	Below Cal	#	14
76) 1,2,3-Trichloropropane	12.64	75	61912	62.109	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	61912	148.570	ug/l #	7

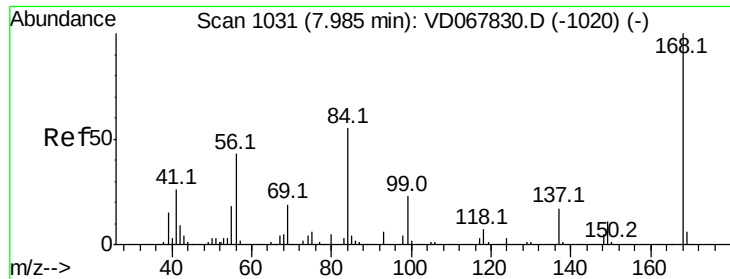
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 01:08:03 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

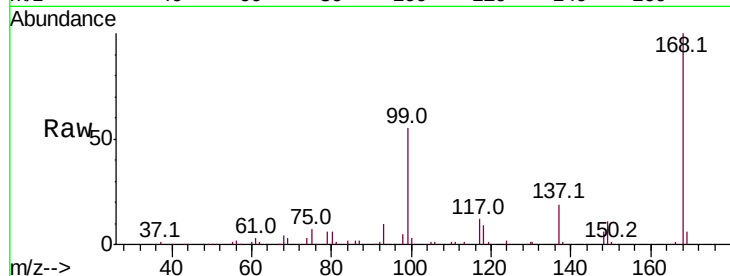
CL-02-12220

Tot Ion:168 Resp: 230364

Ion Ratio Lower Upper

168 100

99 55.3 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

100000

80000

60000

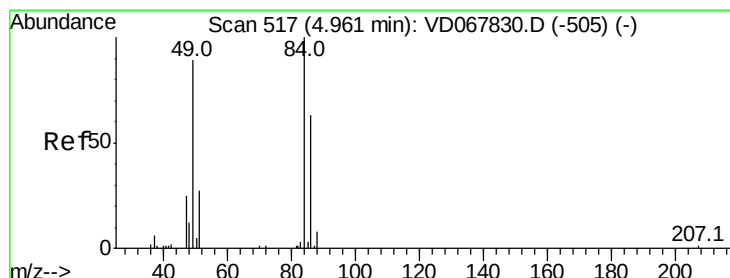
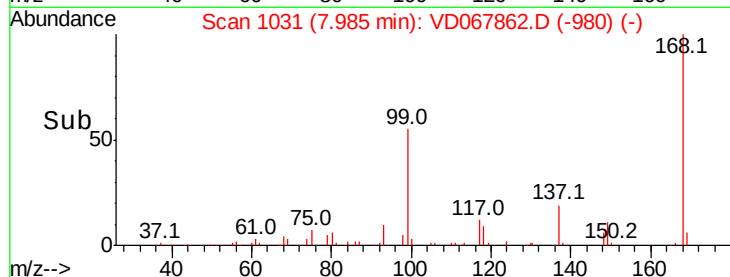
40000

20000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: 1.161 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

Tgt Ion: 84 Resp: 10240

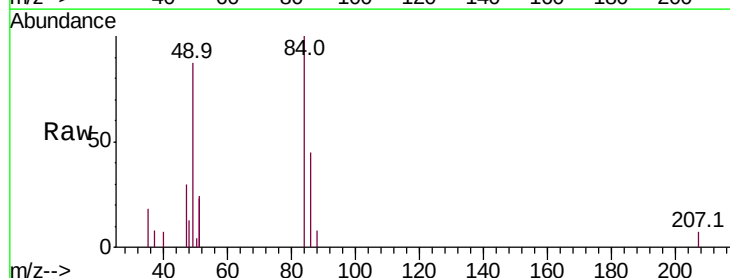
Ion Ratio Lower Upper

84 100

49 87.4 71.4 107.0

51 47.3 21.8 32.8#

86 45.0 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

5000

4000

3000

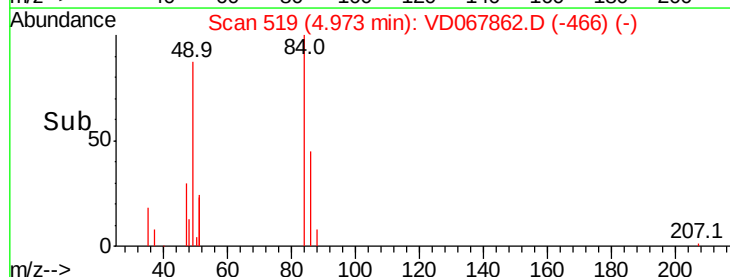
2000

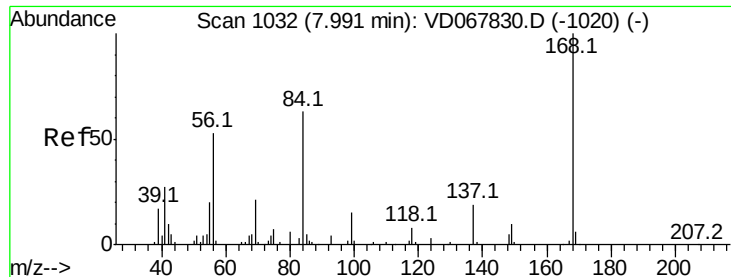
1000

0

Time-->

4.85 4.90 4.95 5.00 5.05

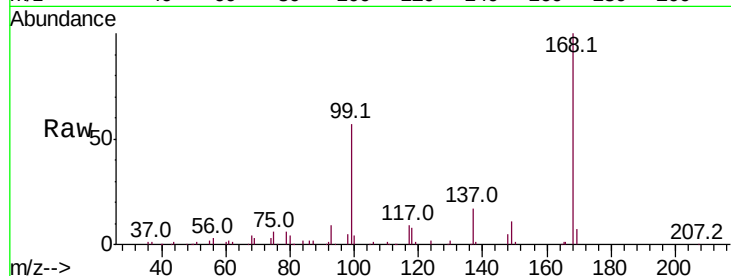




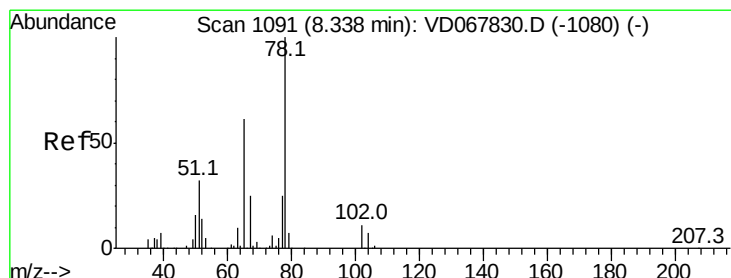
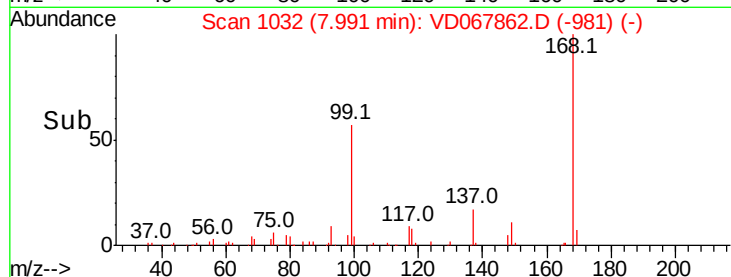
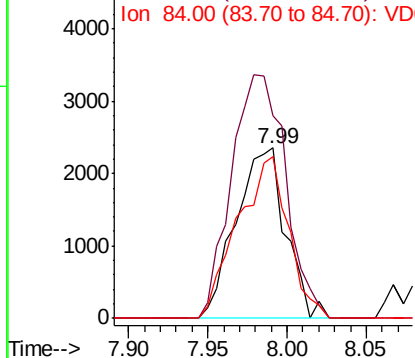
#31
Cyclohexane
Concen: 1.962 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067862.D
Acq: 03 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
CL-02-12220

Tot Ion: 56 Resp: 5113
Ion Ratio Lower Upper
56 100
69 119.5 32.1 48.1#
84 94.8 93.2 139.8

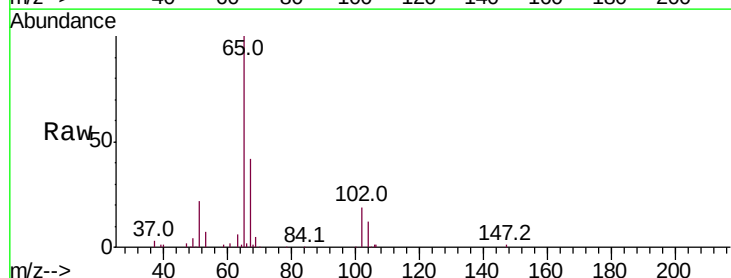


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

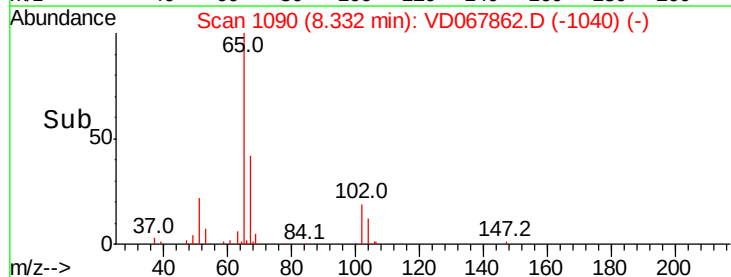
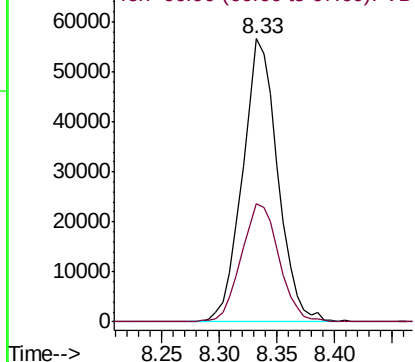


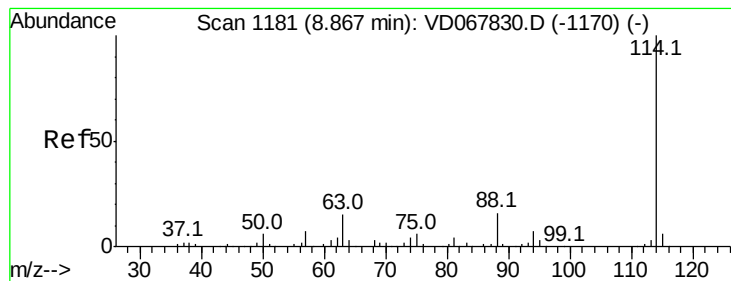
#33
1,2-Dichloroethane-d4
Concen: 48.517 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067862.D
Acq: 03 Dec 2020 12:22

Tgt Ion: 65 Resp: 119985
Ion Ratio Lower Upper
65 100
67 45.0 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: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-12220

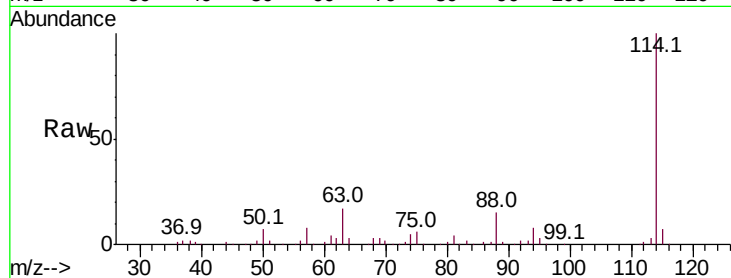
Tot Ion:114 Resp: 327622

Ion Ratio Lower Upper

114 100

63 17.1 0.0 30.8

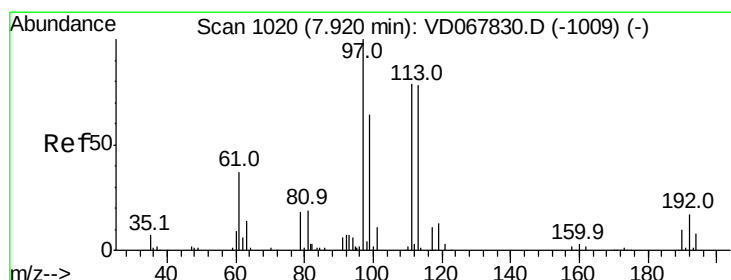
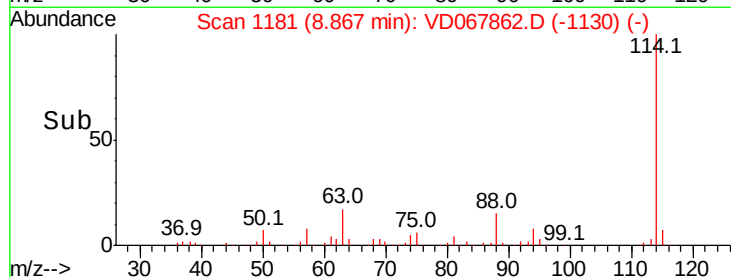
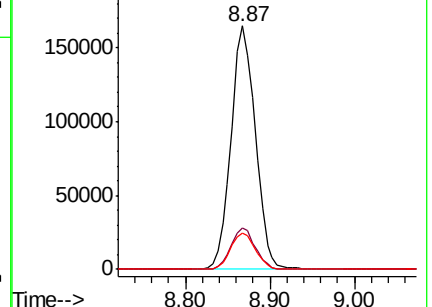
88 15.0 0.0 31.8



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: 45.892 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

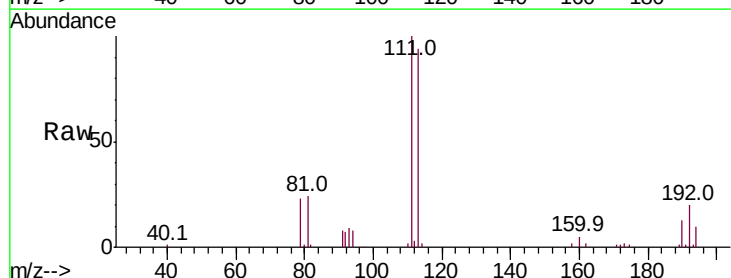
Tgt Ion:113 Resp: 100607

Ion Ratio Lower Upper

113 100

111 101.8 81.2 121.8

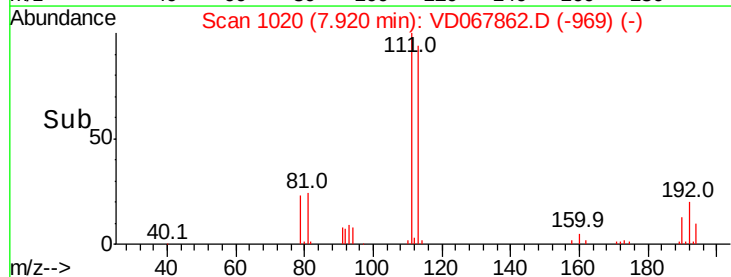
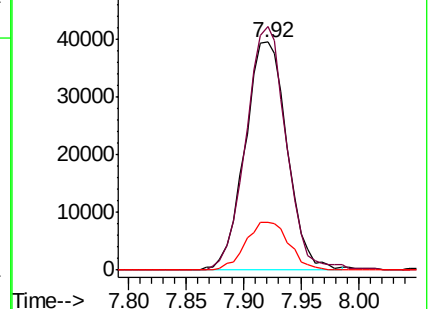
192 21.6 16.8 25.2

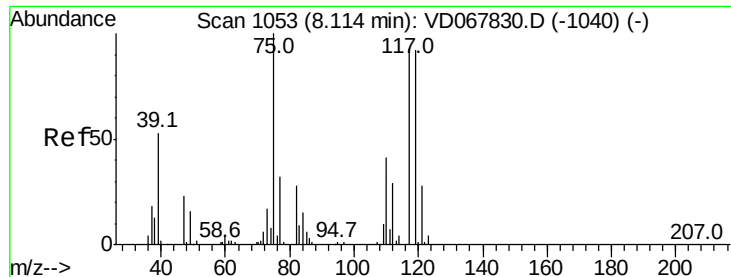


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.757 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-12220

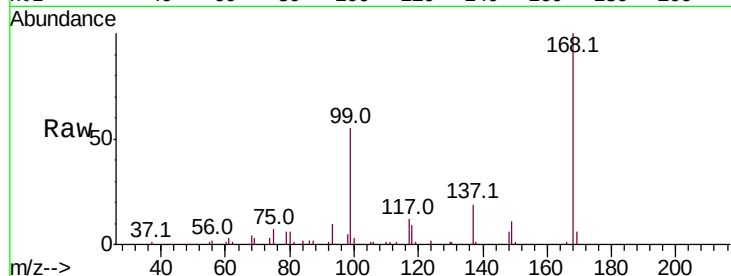
Tot Ion: 75 Resp: 16327

Ion Ratio Lower Upper

75 100

110 12.7 20.3 61.0#

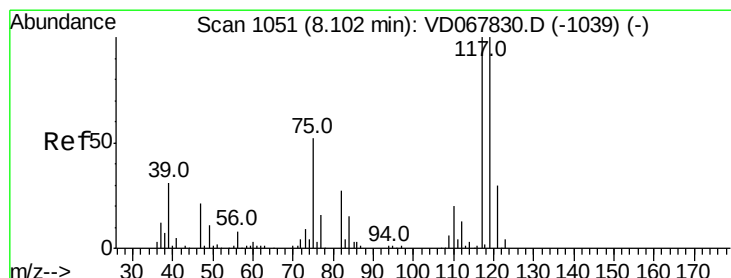
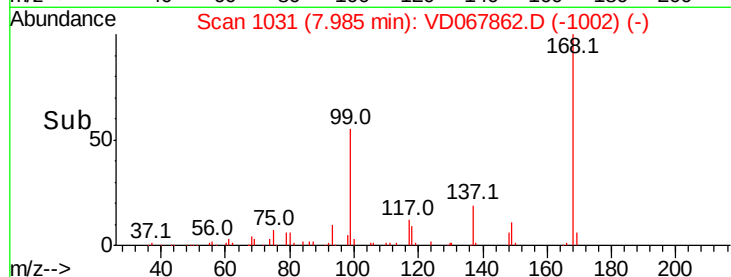
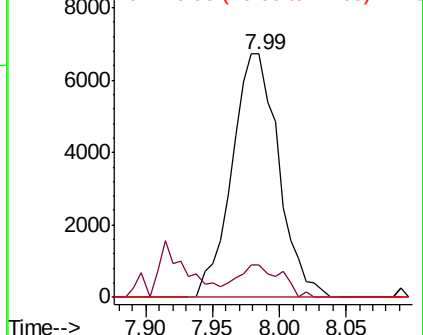
77 0.0 24.7 37.1#



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: 5.663 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

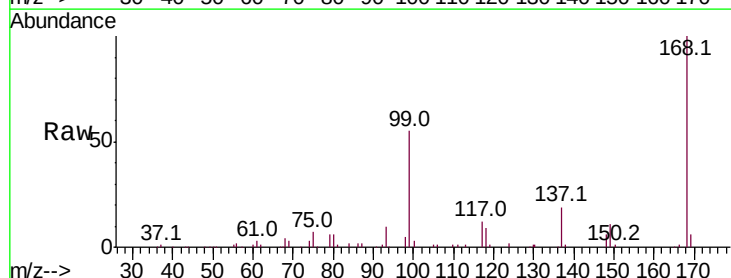
Tgt Ion: 117 Resp: 24300

Ion Ratio Lower Upper

117 100

119 5.7 79.7 119.5#

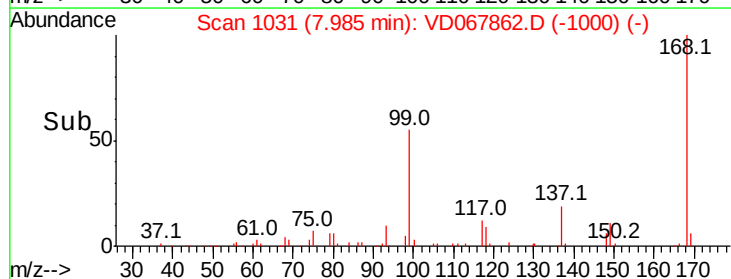
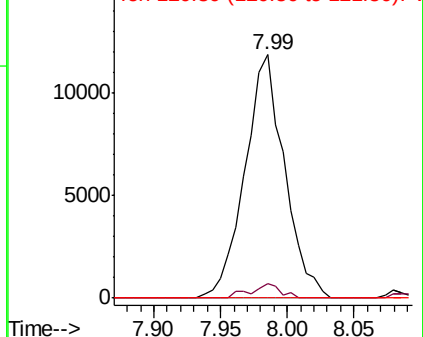
121 0.0 23.8 35.6#

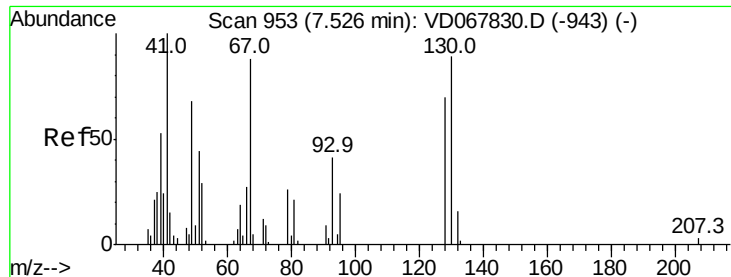


Abundance Ion 116.80 (116.50 to 117.50): V

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: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-12220

Tot Ion: 41 Resp: 272

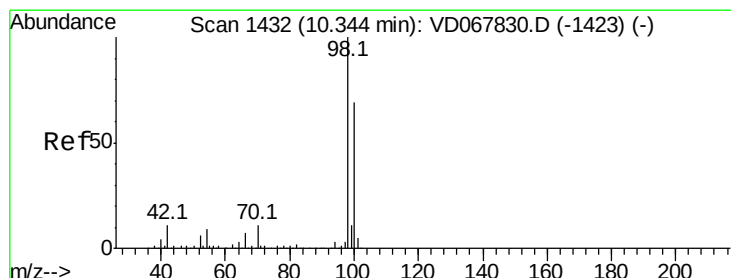
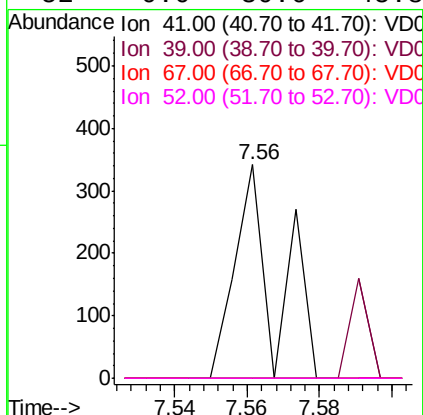
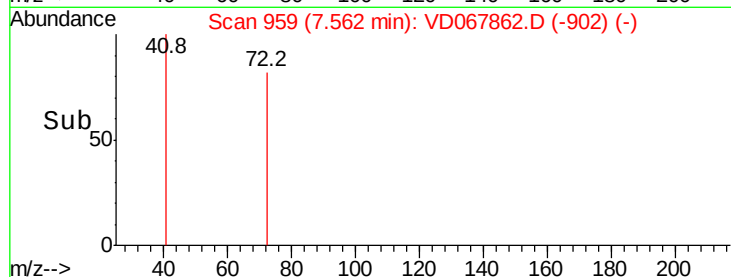
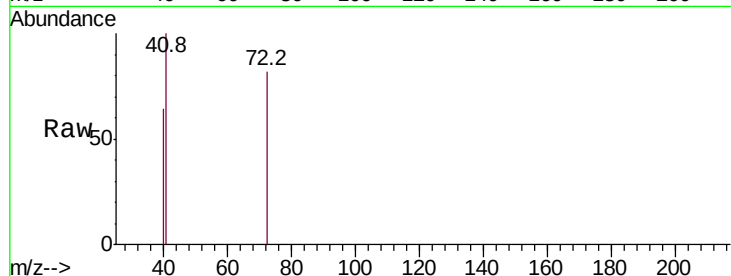
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#



#50

Toluene-d8

Concen: 46.636 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067862.D

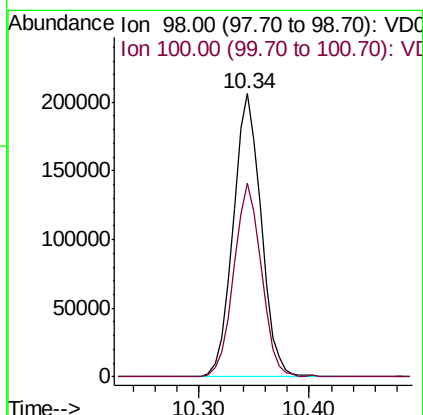
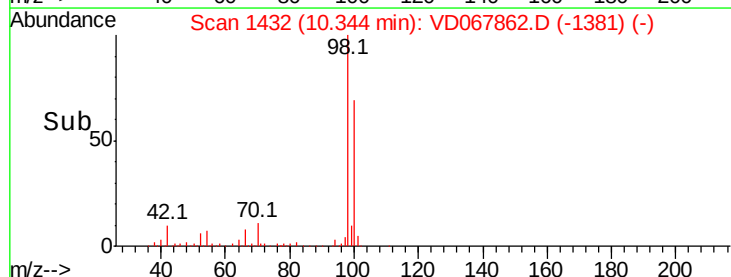
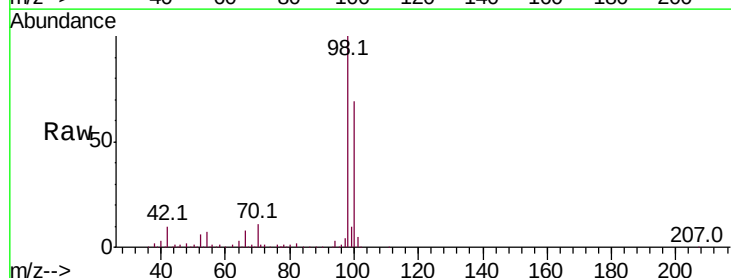
Acq: 03 Dec 2020 12:22

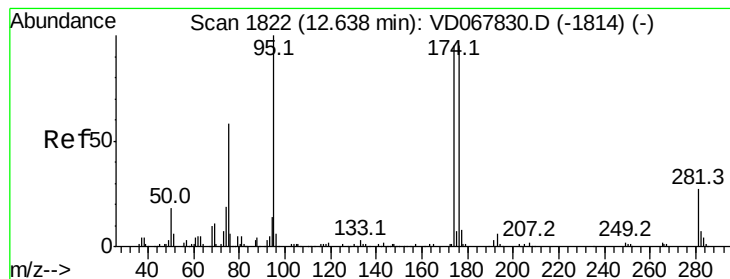
Tgt Ion: 98 Resp: 368036

Ion Ratio Lower Upper

98 100

100 67.4 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 44.052 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-12220

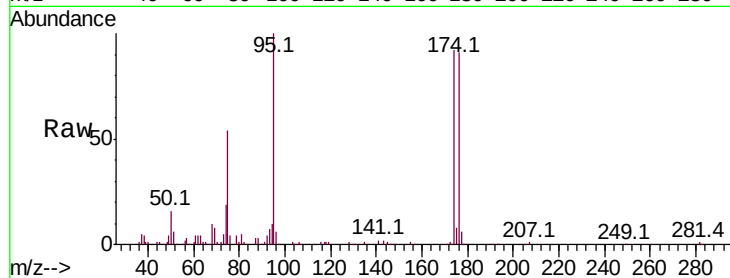
Tot Ion: 95 Resp: 120192

Ion Ratio Lower Upper

95 100

174 92.5 0.0 186.0

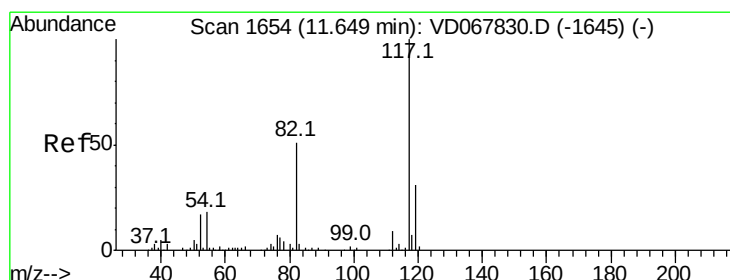
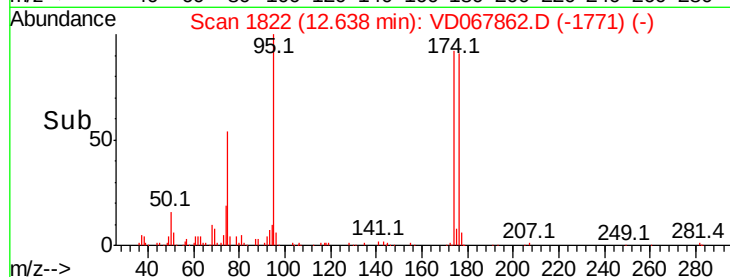
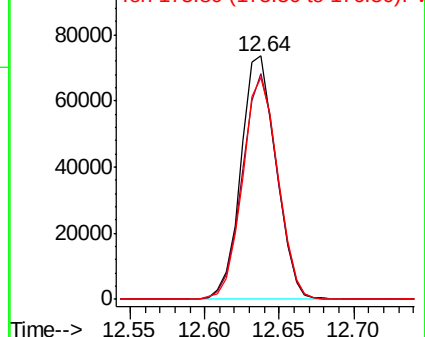
176 91.4 0.0 184.2



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: VD067862.D

Acq: 03 Dec 2020 12:22

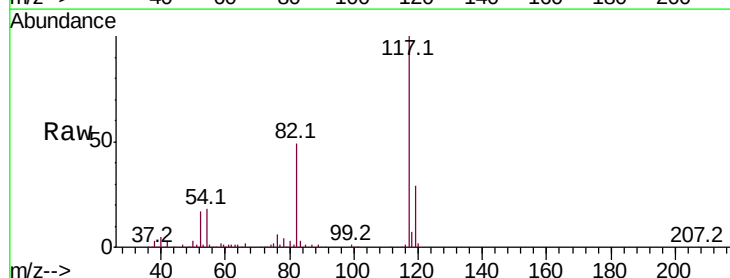
Tgt Ion: 117 Resp: 289769

Ion Ratio Lower Upper

117 100

82 48.5 40.6 60.8

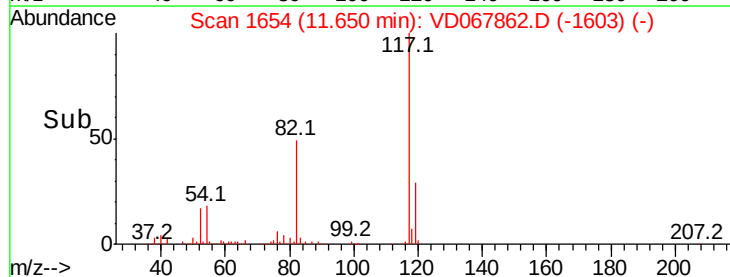
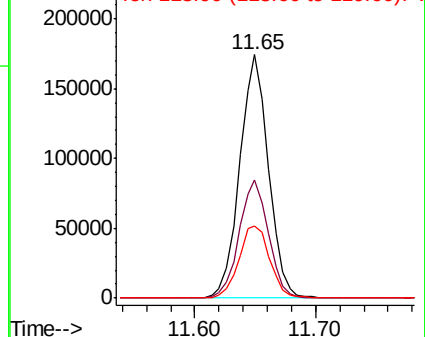
119 29.5 25.1 37.7

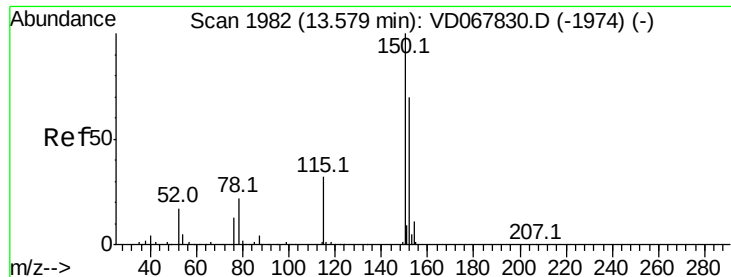


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-12220

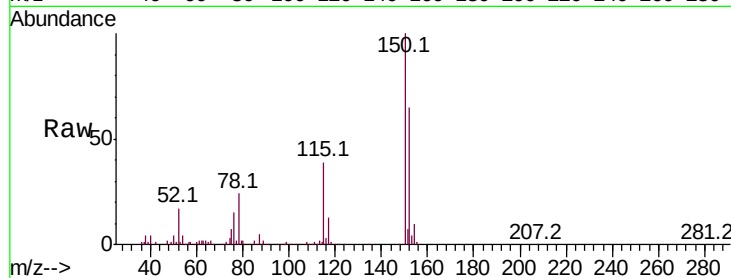
Tot Ion:152 Resp: 136884

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.4

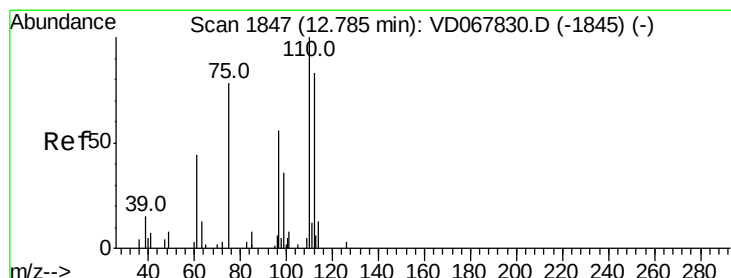
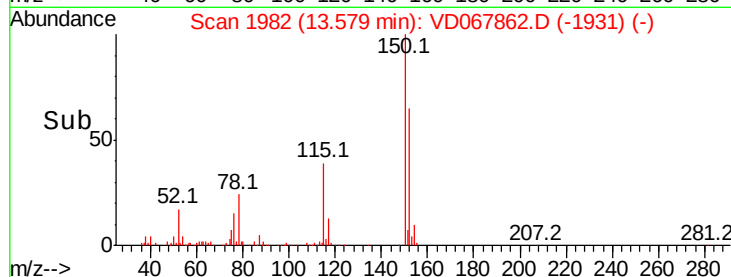
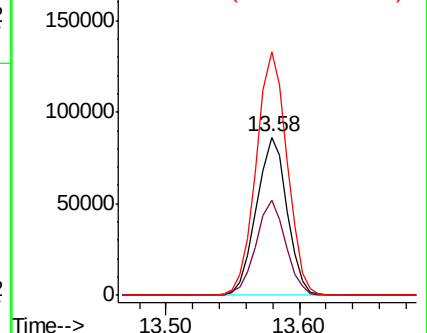
150 155.1 0.0 339.0



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: 62.109 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067862.D

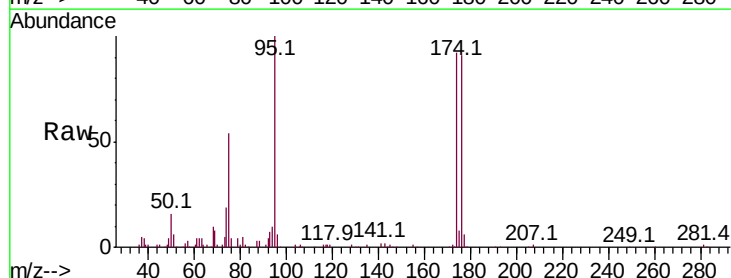
Acq: 03 Dec 2020 12:22

Tgt Ion: 75 Resp: 61912

Ion Ratio Lower Upper

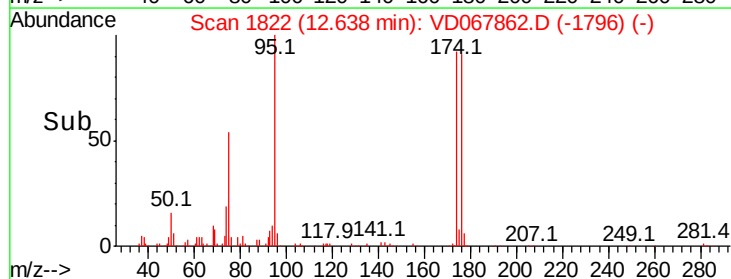
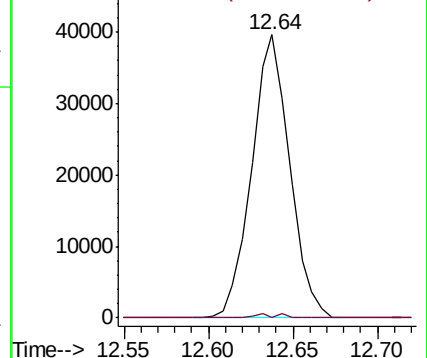
75 100

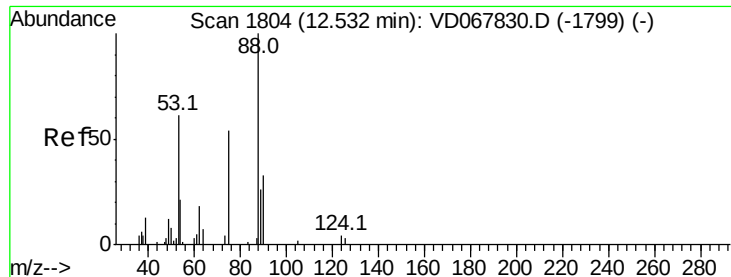
77 0.8 175.9 527.7#



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: 148.570 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067862.D

Acq: 03 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-12220

Tot Ion: 75 Resp: 61912

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

