

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067810.D
 Acq On : 30 Nov 2020 12:56
 Operator : VA/SY
 Sample : L4903-01RE
 Misc : 5.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Quant Time: Dec 01 00:16:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	720416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1167018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1096493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	558720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	401169	57.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.54%
35) Dibromofluoromethane	7.92	113	371367	50.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.00%
50) Toluene-d8	10.34	98	1324966	48.80	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.60%
62) 4-Bromofluorobenzene	12.64	95	493790	53.20	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.40%

Target Compounds

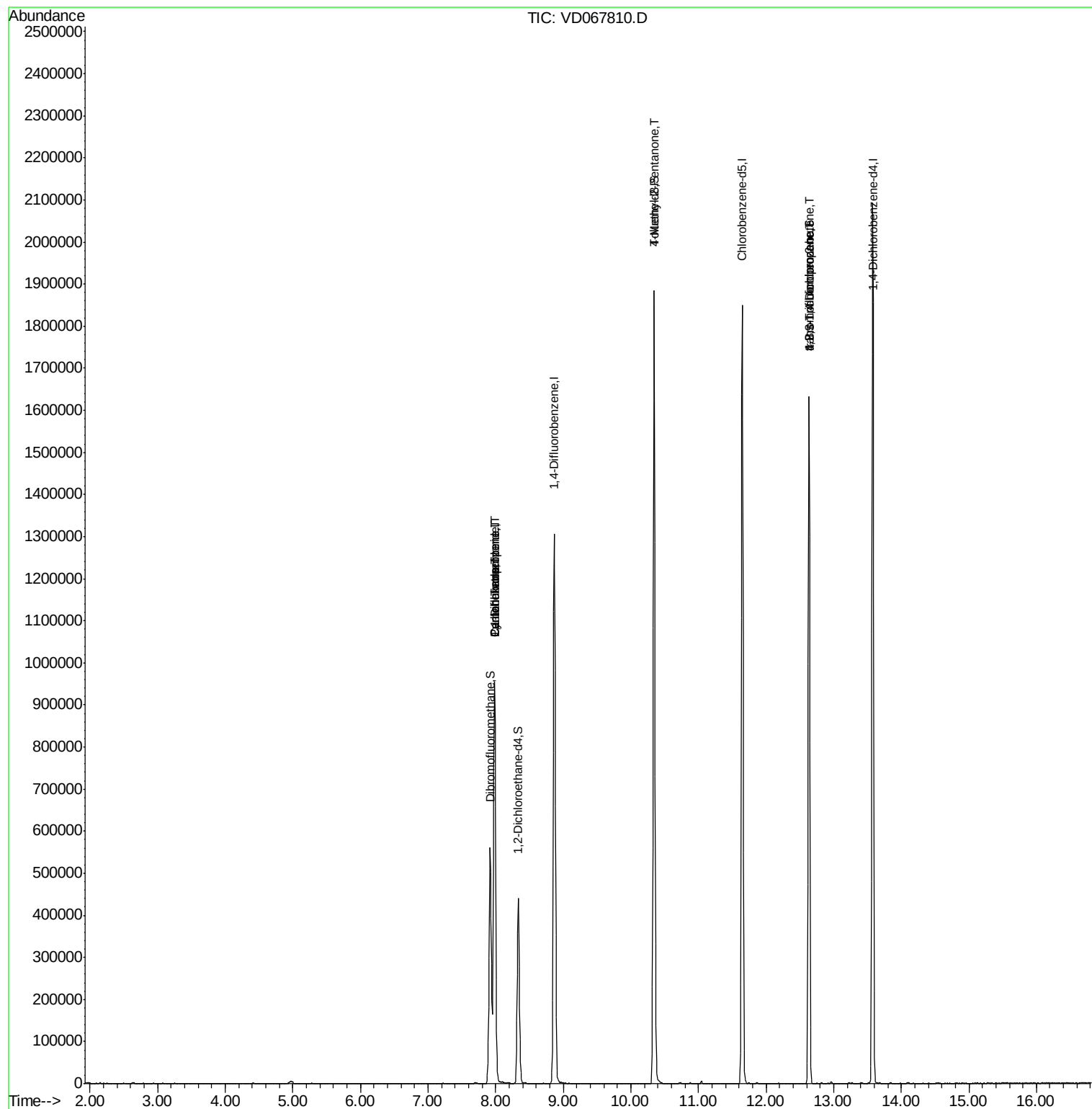
					Qvalue
20) Methylene Chloride	4.96	84	2220	Below Cal	91
31) Cyclohexane	7.99	56	14079	1.661 ug/l #	26
36) 1,1-Dichloropropene	7.98	75	49288	4.922 ug/l #	51
38) Carbon Tetrachloride	7.99	117	75539	5.204 ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	4945	1.954 ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	278604	71.547 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	278604	167.343 ug/l #	11

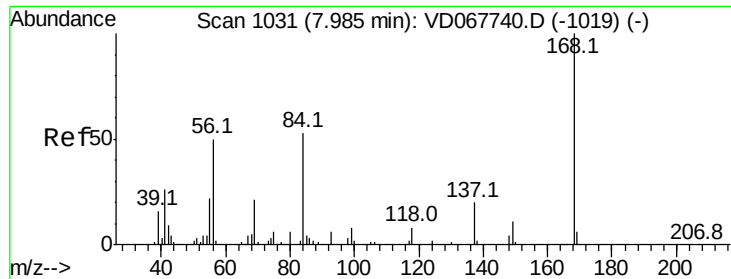
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 01 00:16:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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: VD067810.D

Acq: 30 Nov 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

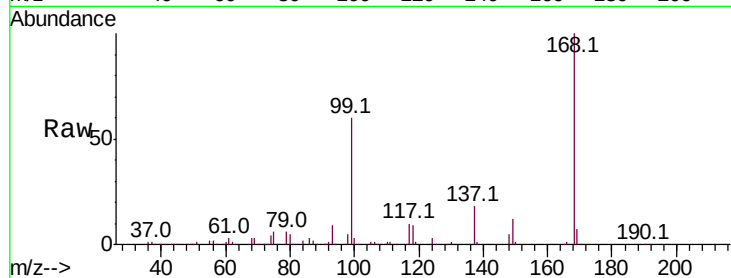
TP-1RE

Tot Ion:168 Resp: 720416

Ion Ratio Lower Upper

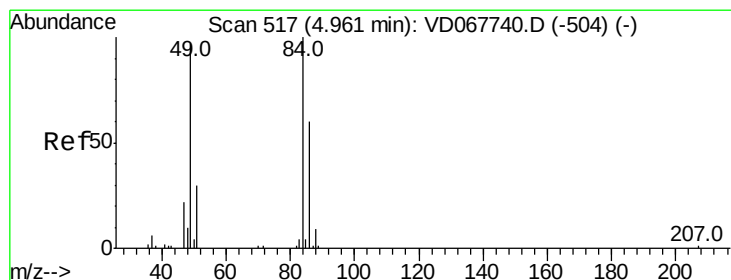
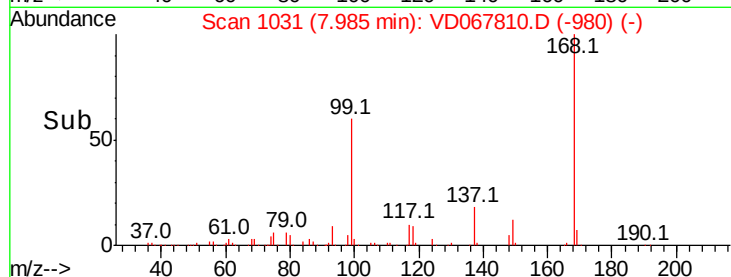
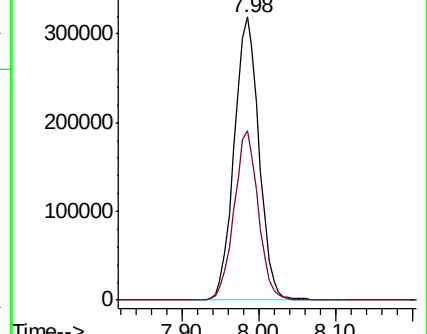
168 100

99 59.8 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067810.D

Acq: 30 Nov 2020 12:56

Tgt Ion: 84 Resp: 2220

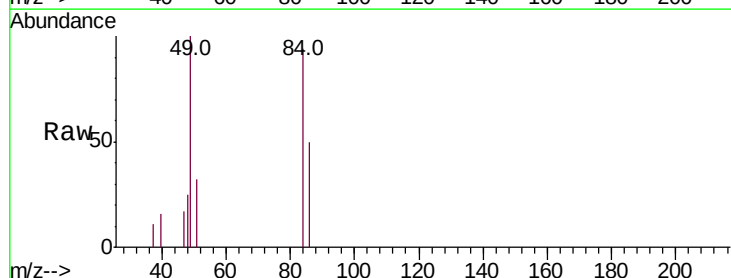
Ion Ratio Lower Upper

84 100

49 106.6 77.4 116.2

51 34.5 24.1 36.1

86 53.4 48.2 72.2

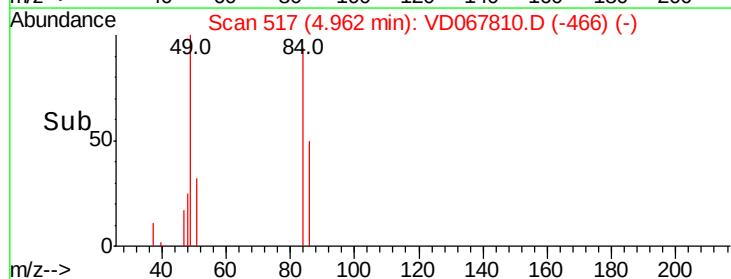
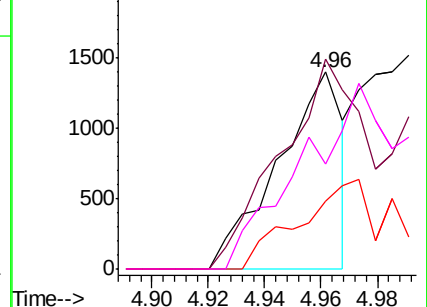


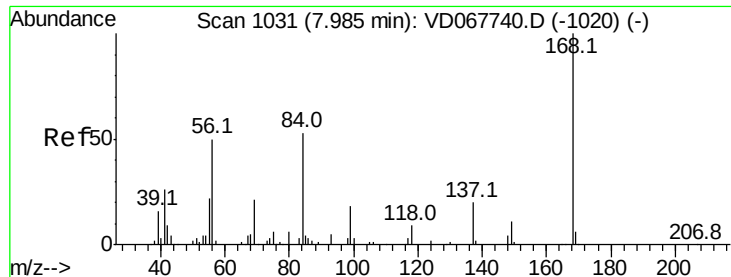
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

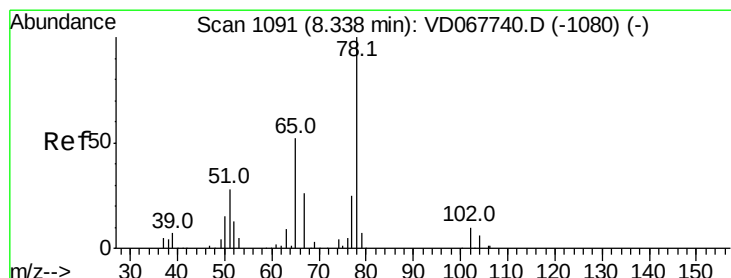
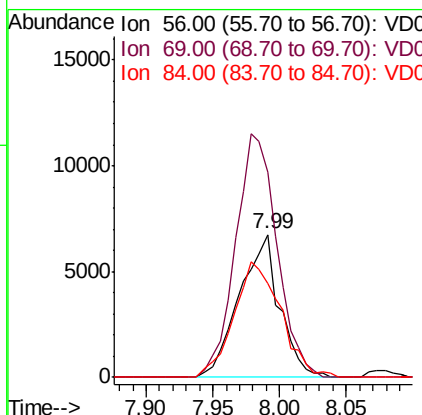
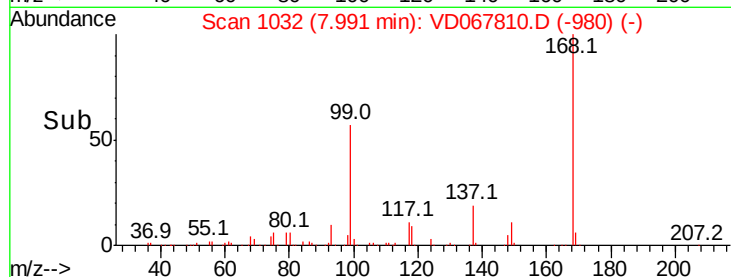
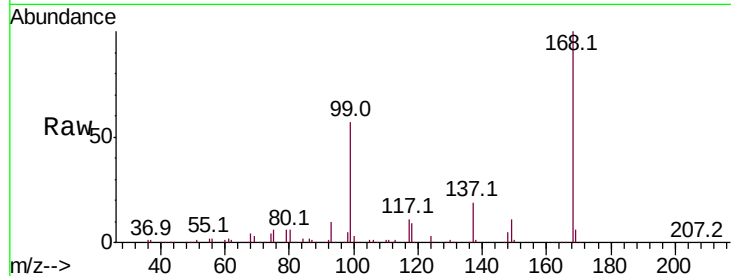




#31
Cyclohexane
Concen: 1.661 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067810.D
Acq: 30 Nov 2020 12:56

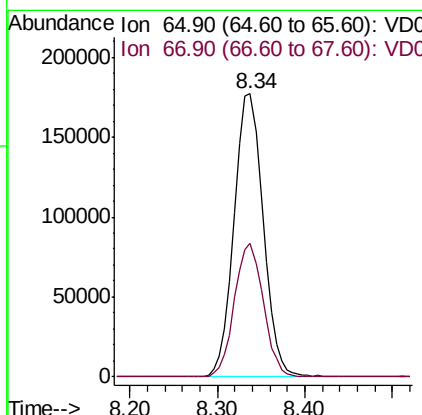
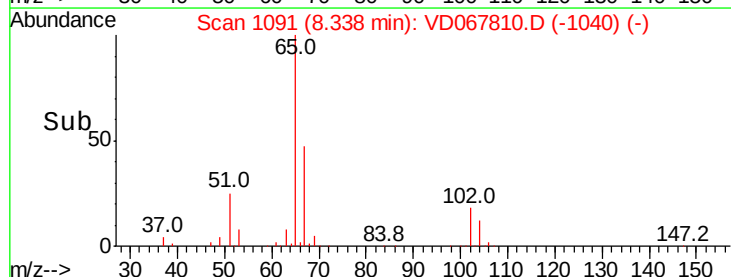
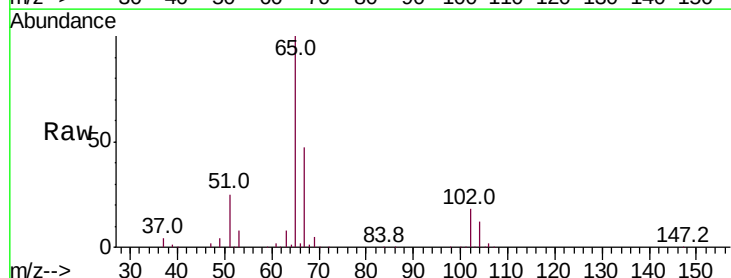
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

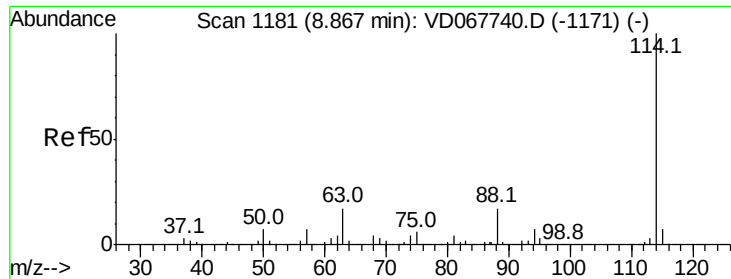
Tot Ion: 56 Resp: 14079
Ion Ratio Lower Upper
56 100
69 143.7 33.2 49.8#
84 65.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 57.271 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067810.D
Acq: 30 Nov 2020 12:56

Tgt Ion: 65 Resp: 401169
Ion Ratio Lower Upper
65 100
67 46.5 0.0 101.0

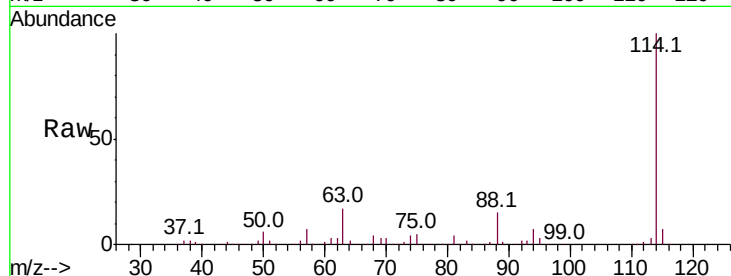




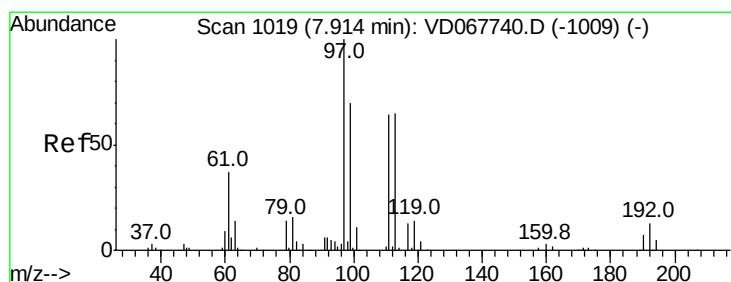
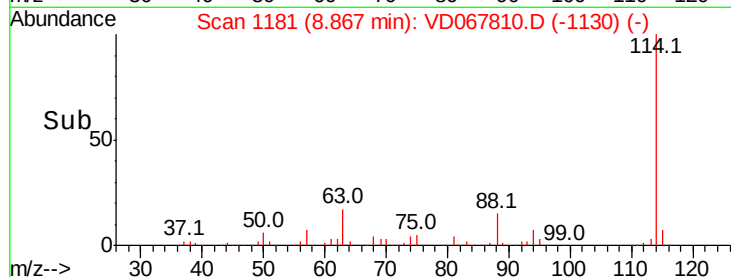
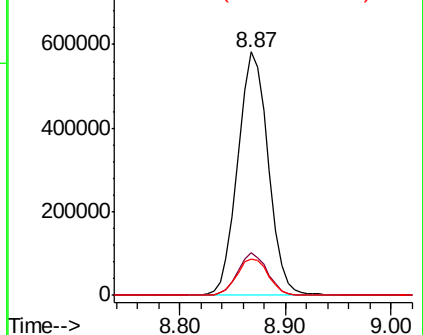
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067810.D
 Acq: 30 Nov 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Tot Ion:114 Resp: 1167018
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.8
 88 14.9 0.0 34.4

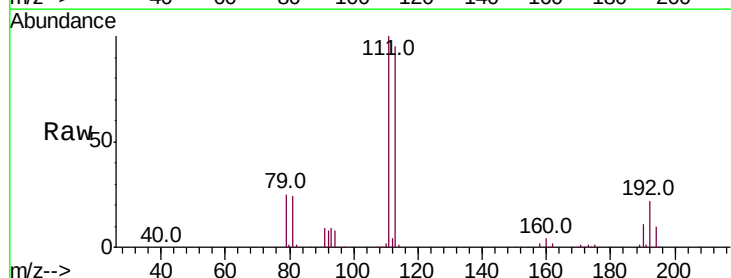


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

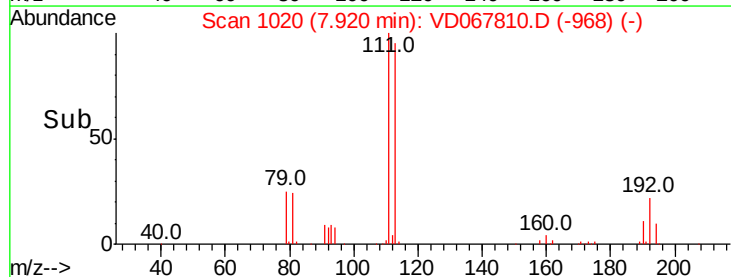
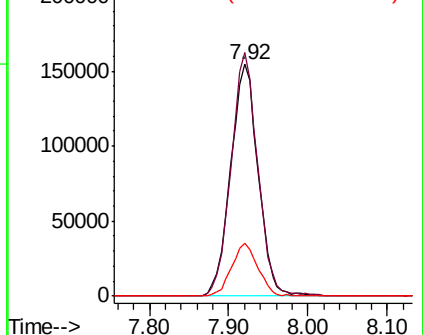


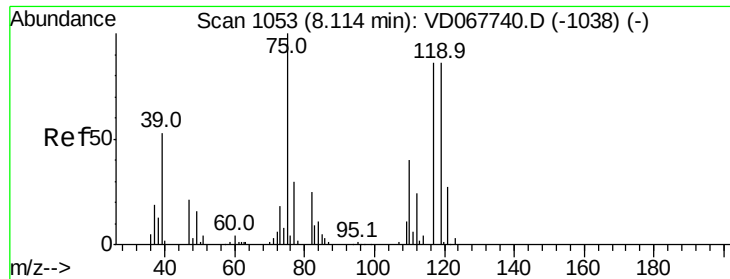
#35
 Dibromofluoromethane
 Concen: 50.003 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067810.D
 Acq: 30 Nov 2020 12:56

Tgt Ion:113 Resp: 371367
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.0
 192 21.7 17.0 25.4



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

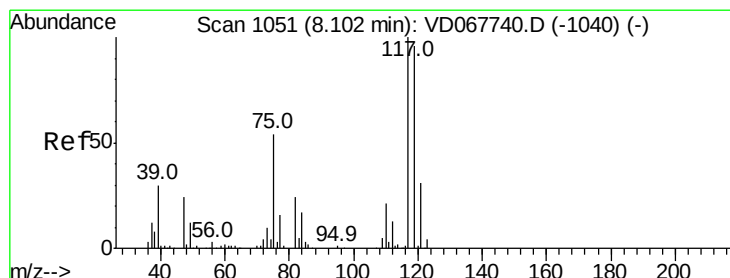
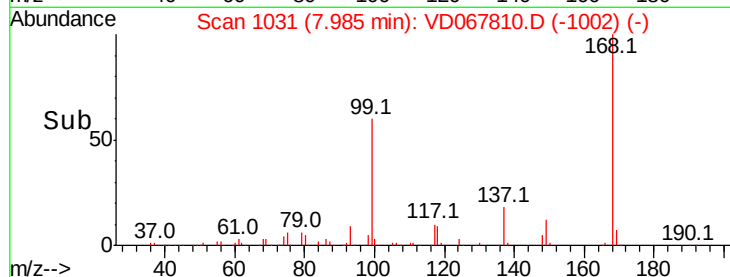
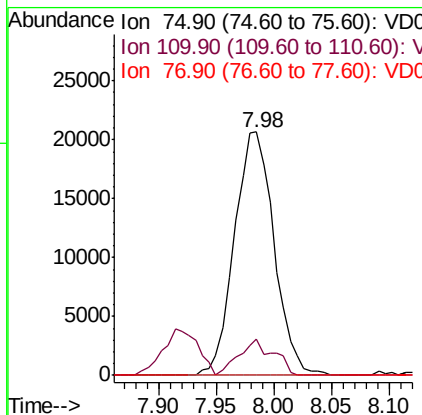
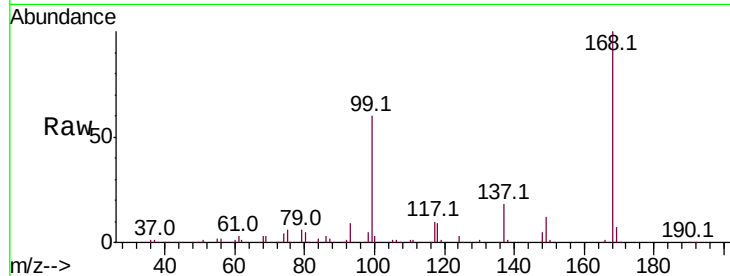




#36
 1,1-Dichloropropene
 Concen: 4.922 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067810.D
 Acq: 30 Nov 2020 12:56

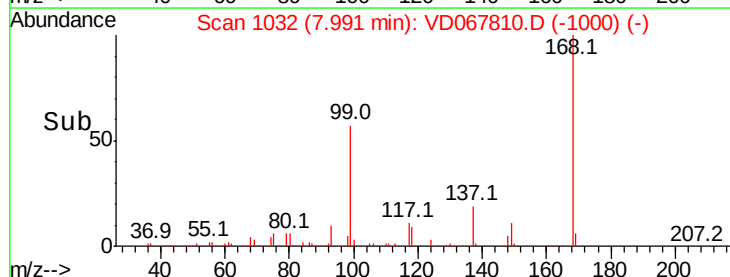
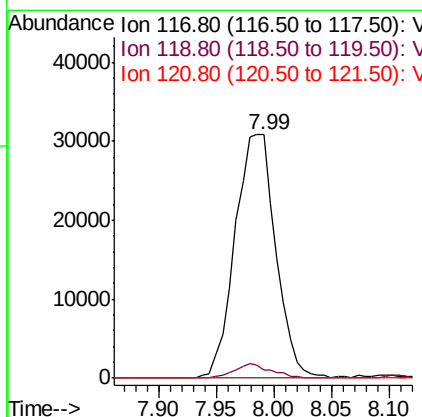
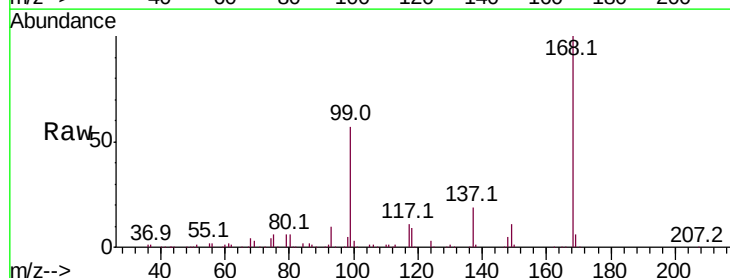
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

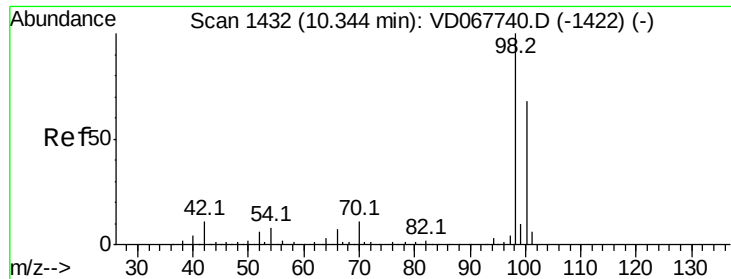
Tot Ion: 75 Resp: 49288
 Ion Ratio Lower Upper
 75 100
 110 12.8 20.1 60.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.204 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD067810.D
 Acq: 30 Nov 2020 12:56

Tgt Ion: 117 Resp: 75539
 Ion Ratio Lower Upper
 117 100
 119 3.1 76.6 115.0#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.796 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067810.D

Acq: 30 Nov 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

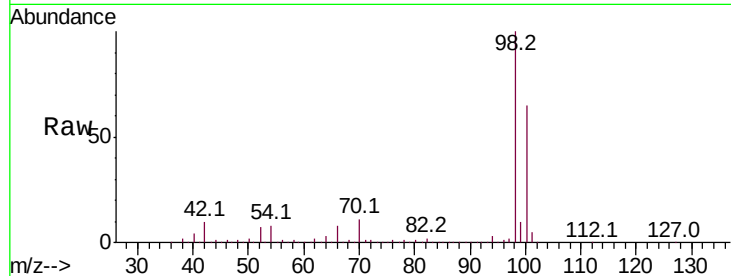
TP-1RE

Tot Ion: 98 Resp: 1324966

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

800000

600000

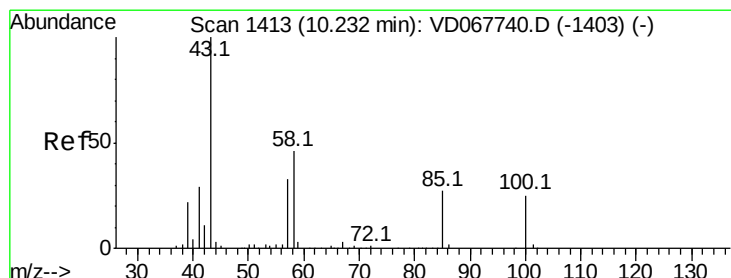
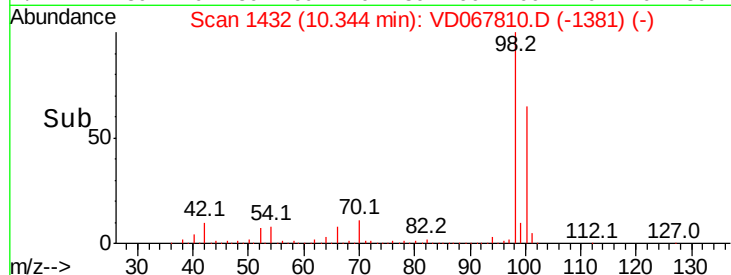
400000

200000

0

Time-->

10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.954 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067810.D

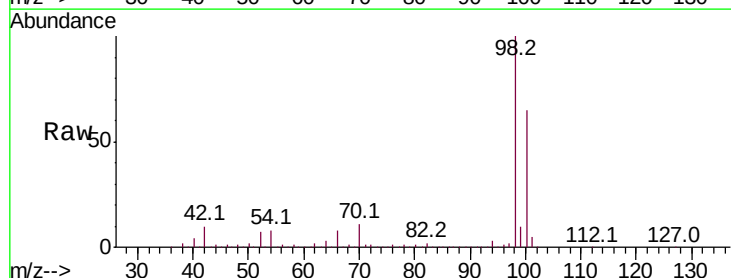
Acq: 30 Nov 2020 12:56

Tgt Ion: 43 Resp: 4945

Ion Ratio Lower Upper

43 100

58 192.3 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

3000

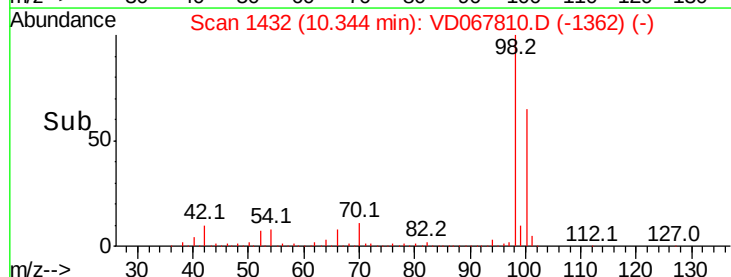
2000

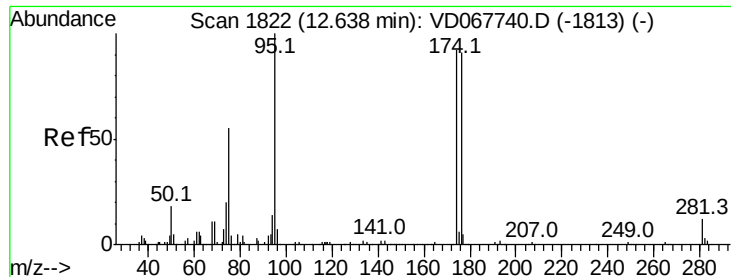
1000

0

Time-->

10.30 10.35 10.40





#62

4-Bromofluorobenzene

Concen: 53.204 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067810.D

Acq: 30 Nov 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

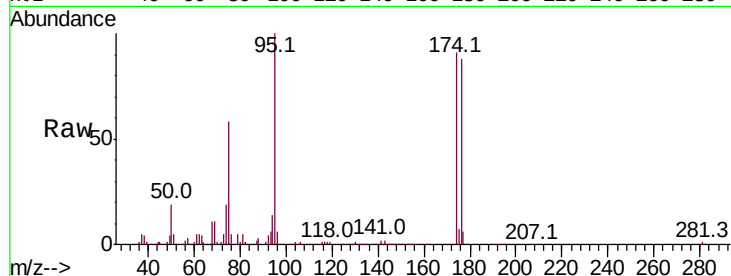
Tot Ion: 95 Resp: 493790

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.4

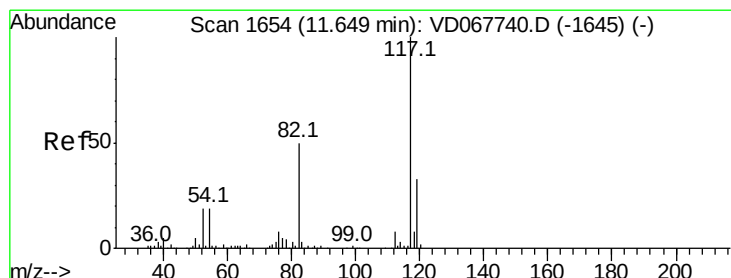
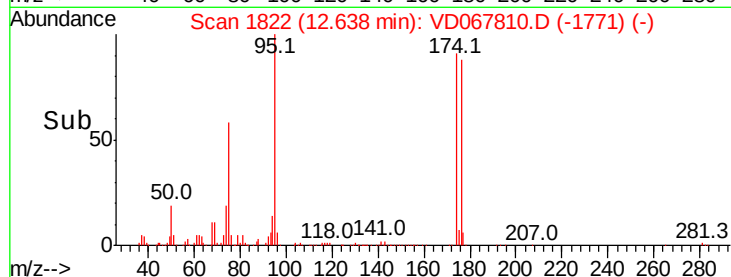
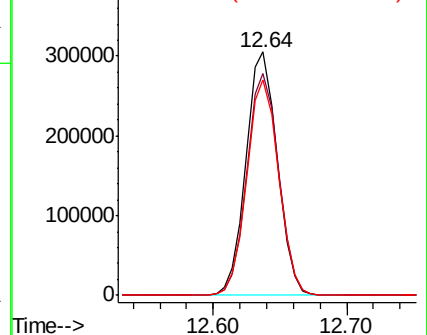
176 89.6 0.0 178.2



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: VD067810.D

Acq: 30 Nov 2020 12:56

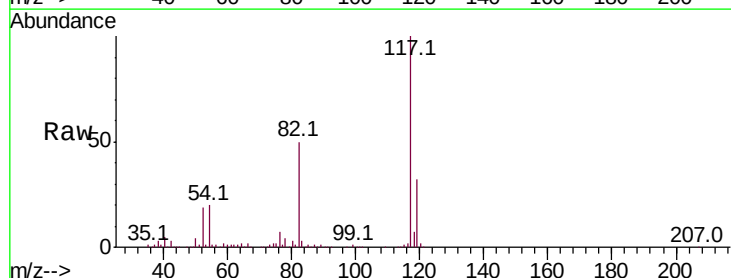
Tgt Ion: 117 Resp: 1096493

Ion Ratio Lower Upper

117 100

82 50.2 40.2 60.4

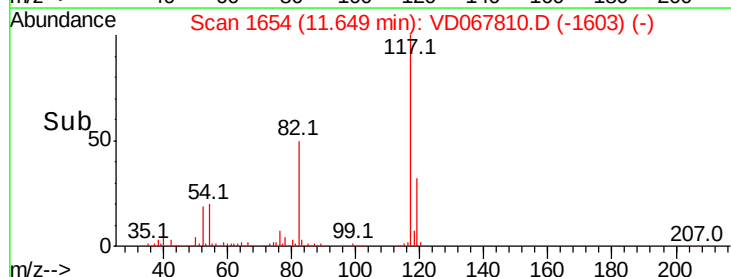
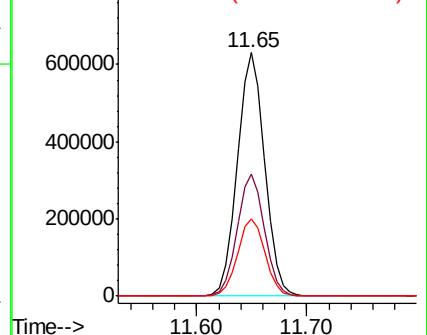
119 32.0 26.5 39.7

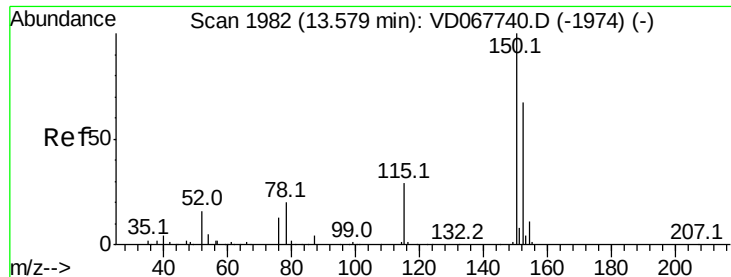


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067810.D

Acq: 30 Nov 2020 12:56

Instrument :

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ClientSampleId :

TP-1RE

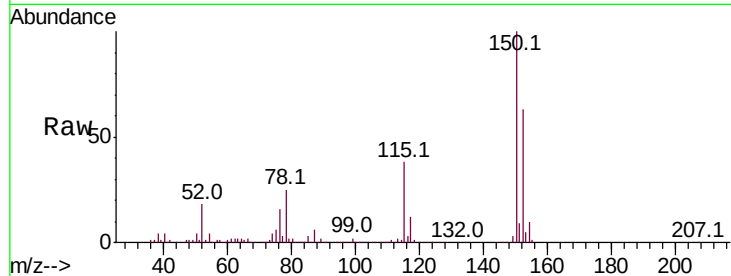
Tot Ion:152 Resp: 558720

Ion Ratio Lower Upper

152 100

115 60.3 29.4 88.3

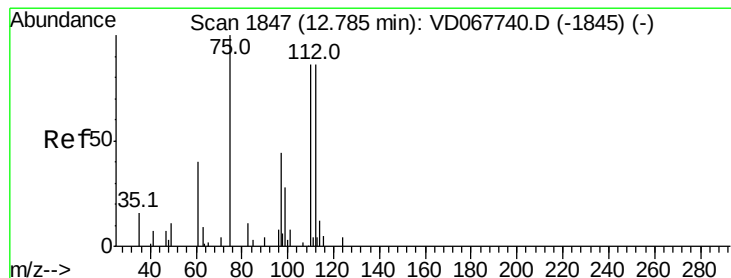
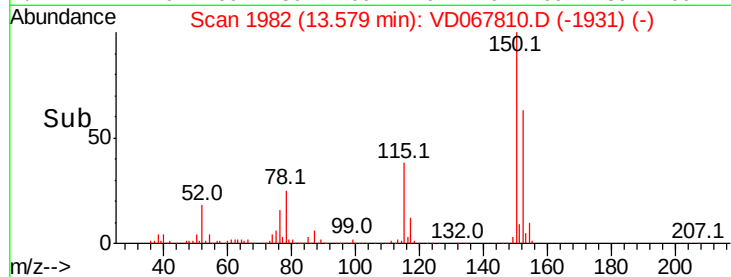
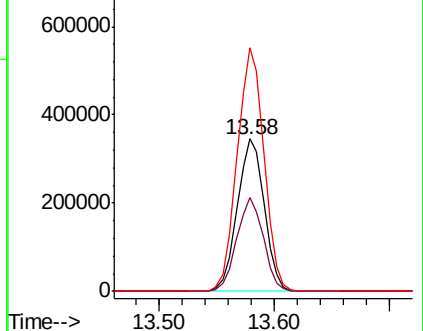
150 158.8 0.0 340.6



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: 71.547 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067810.D

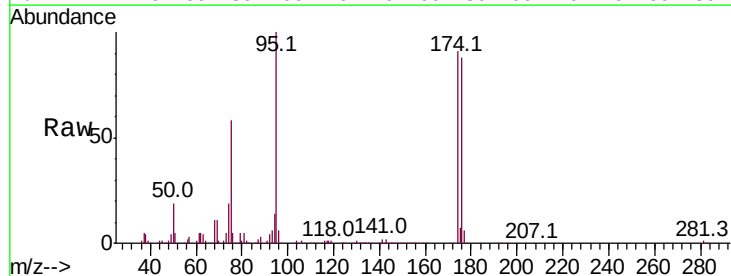
Acq: 30 Nov 2020 12:56

Tgt Ion: 75 Resp: 278604

Ion Ratio Lower Upper

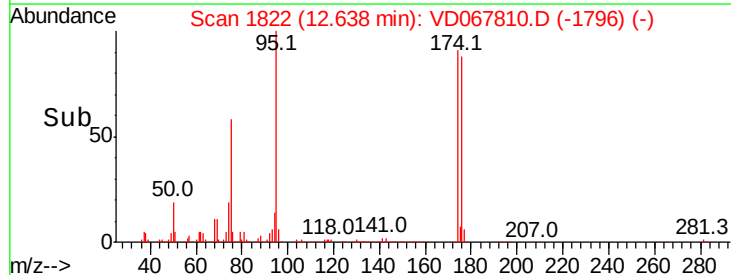
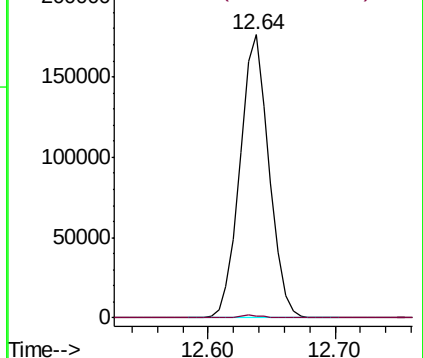
75 100

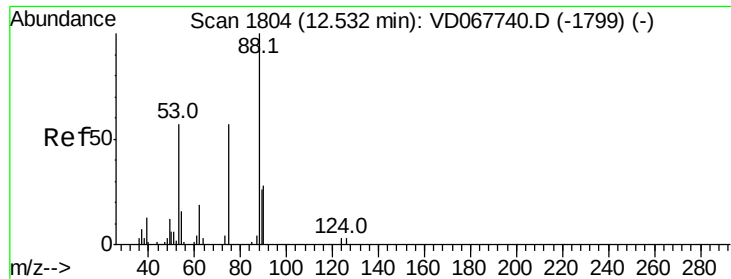
77 1.0 0.0 0.0#



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: 167.343 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067810.D

Acq: 30 Nov 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

Tot Ion: 75 Resp: 278604

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

