

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067610.D
 Acq On : 11 Nov 2020 18:48
 Operator : VA/SY
 Sample : L4719-06
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-D2

Quant Time: Nov 12 00:11:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

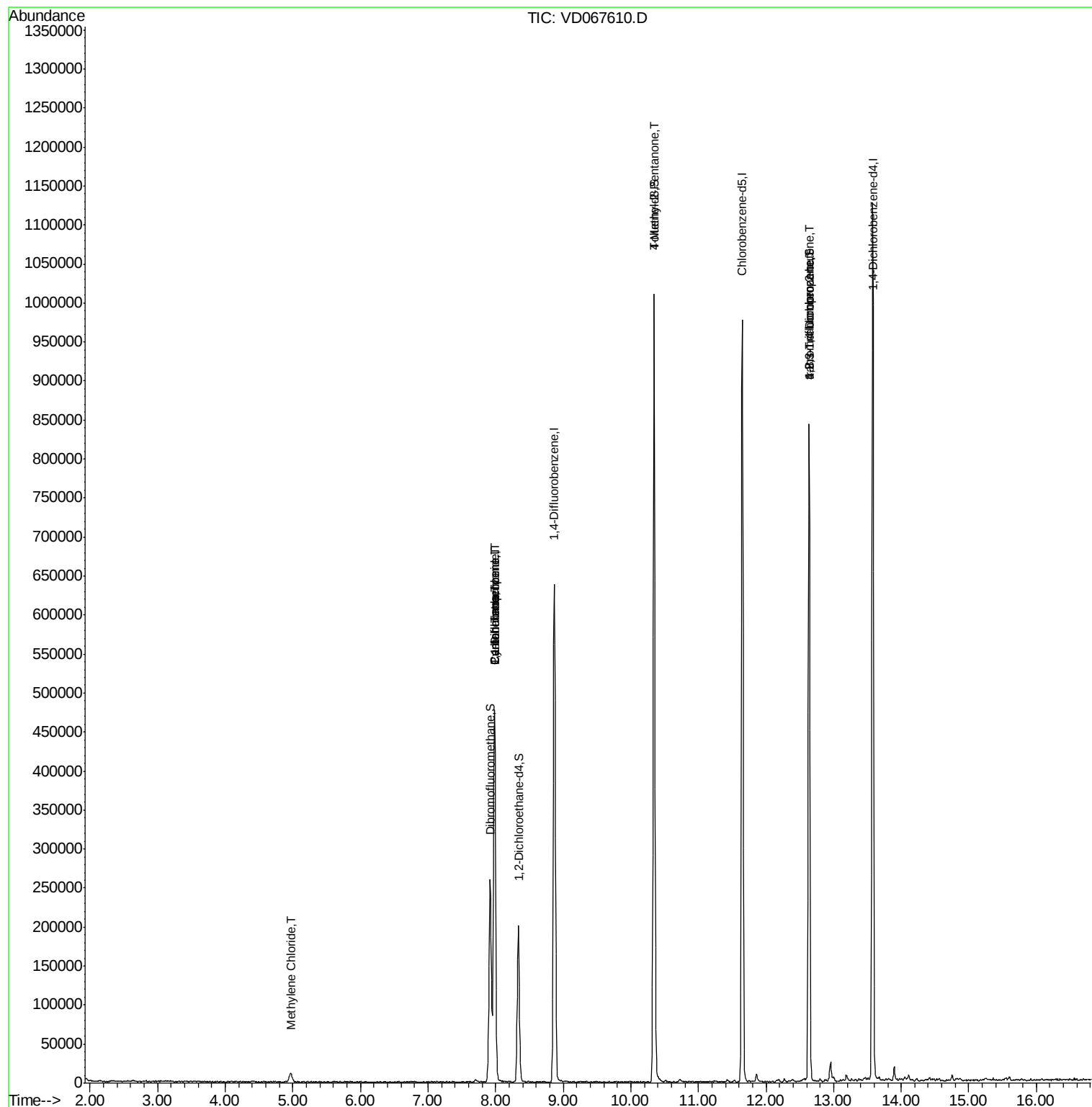
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	370615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	587737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	162603	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
35) Dibromofluoromethane	7.92	113	185455	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
50) Toluene-d8	10.34	98	696955	56.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.02%	
62) 4-Bromofluorobenzene	12.64	95	269973	62.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.68%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.98	84	9864	2.880	ug/l #	86
31) Cyclohexane	7.99	56	6737	1.433	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	24962	4.962	ug/l #	51
38) Carbon Tetrachloride	7.99	117	36292	5.552	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2704	2.189	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	136648	71.787	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136648	145.746	ug/l #	10

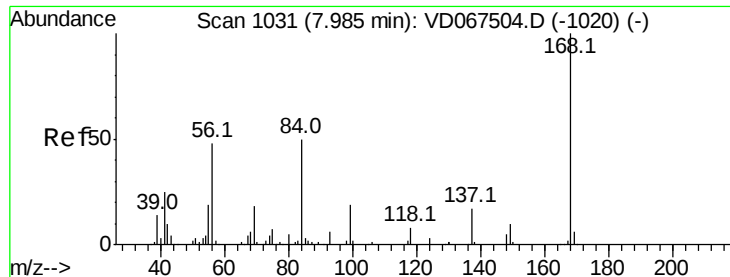
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 00:11:18 2020
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 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: VD067610.D

Acq: 11 Nov 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

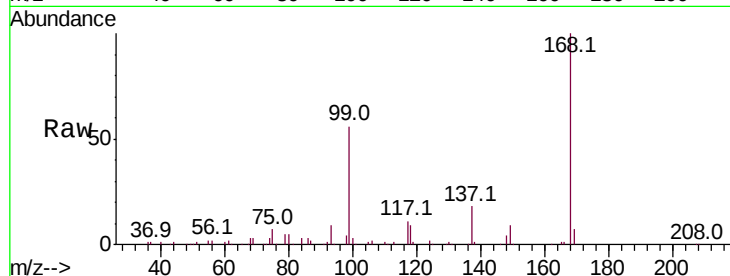
TP-3-D2

Tot Ion:168 Resp: 370615

Ion Ratio Lower Upper

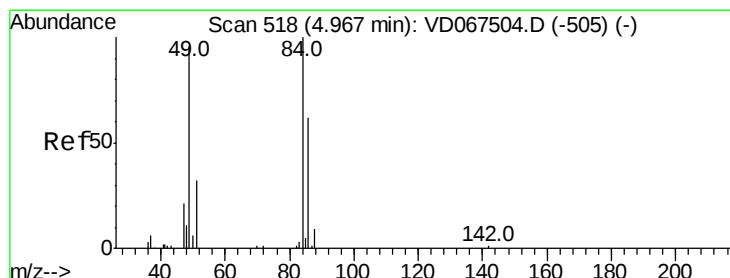
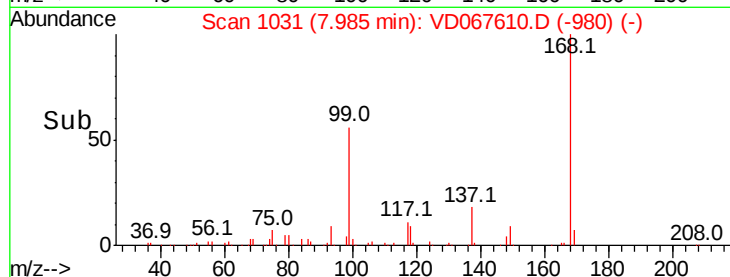
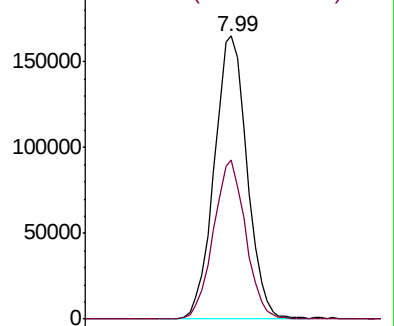
168 100

99 56.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 2.880 ug/l

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

Tgt Ion: 84 Resp: 9864

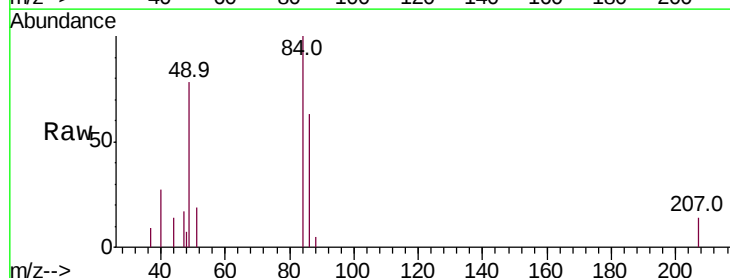
Ion Ratio Lower Upper

84 100

49 77.6 77.0 115.4

51 18.7 25.4 38.2#

86 63.1 49.4 74.0

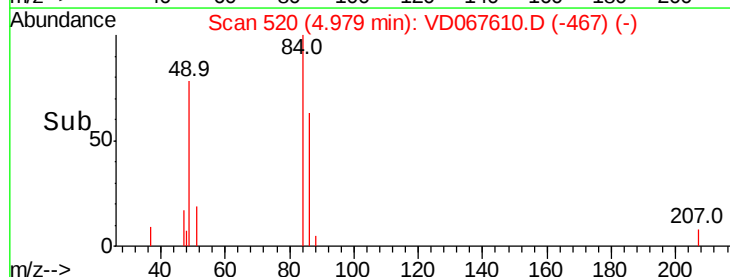
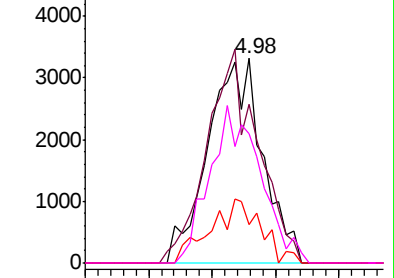


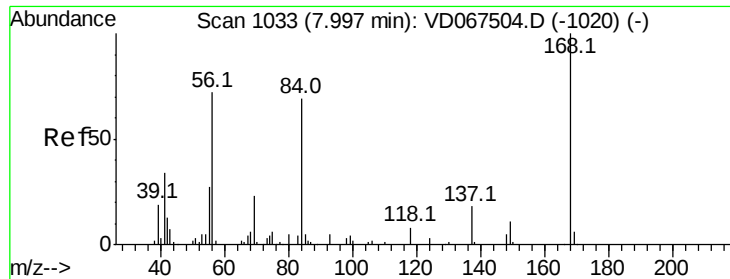
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

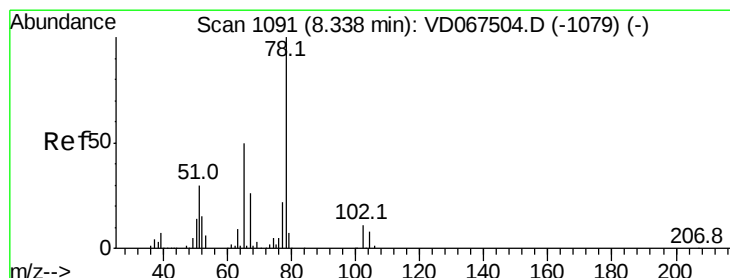
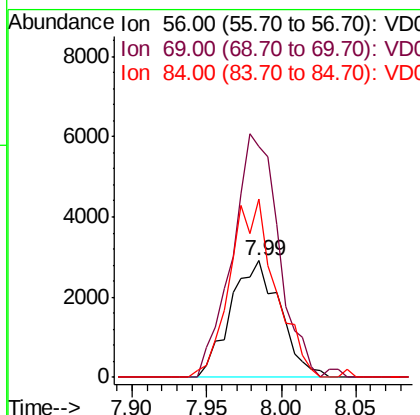
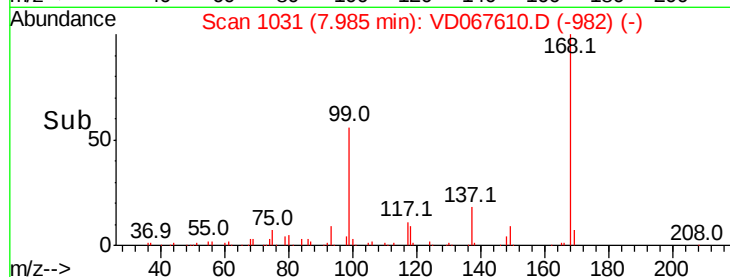
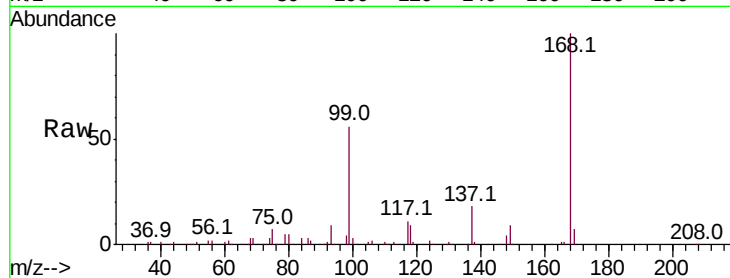




#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067610.D
Acq: 11 Nov 2020 18:48

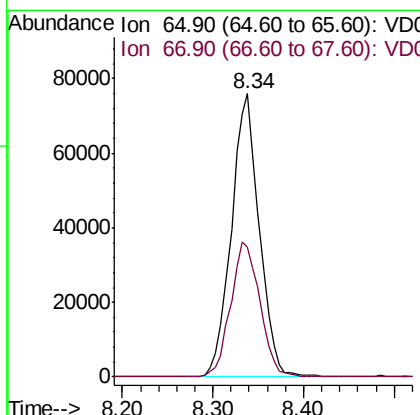
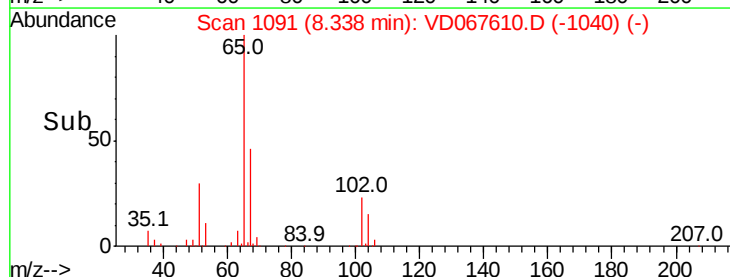
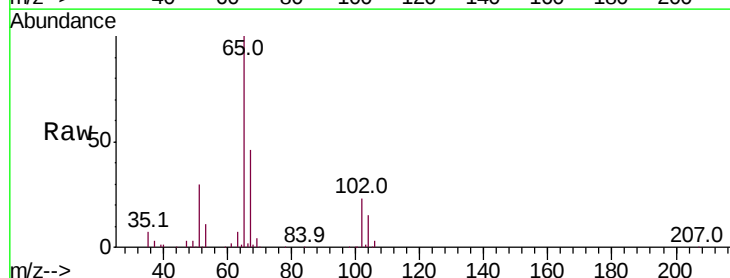
Instrument :
MSVOA_D
ClientSampleID :
TP-3-D2

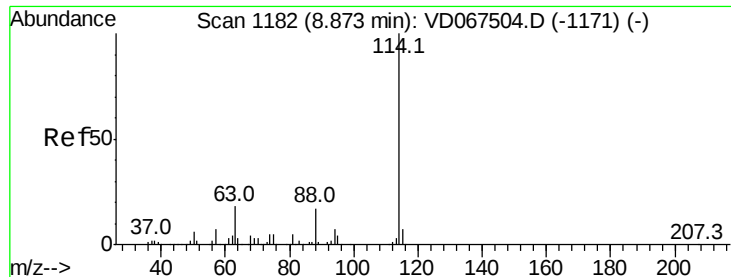
Tot Ion: 56 Resp: 6737
Ion Ratio Lower Upper
56 100
69 198.7 25.9 38.9#
84 153.3 76.2 114.4#



#33
1,2-Dichloroethane-d4
Concen: 50.177 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067610.D
Acq: 11 Nov 2020 18:48

Tgt Ion: 65 Resp: 162603
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

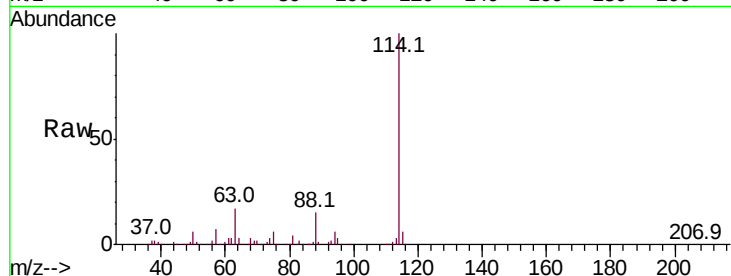
Tot Ion:114 Resp: 587737

Ion Ratio Lower Upper

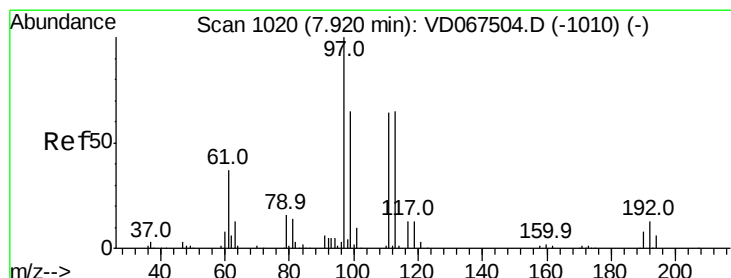
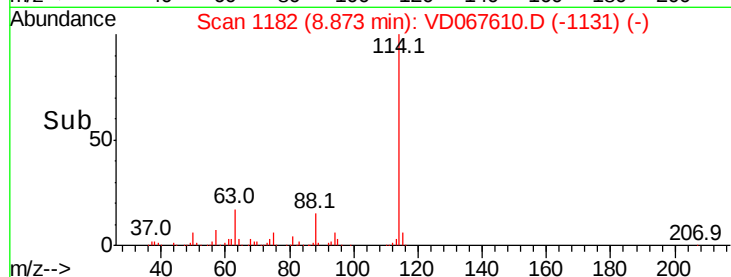
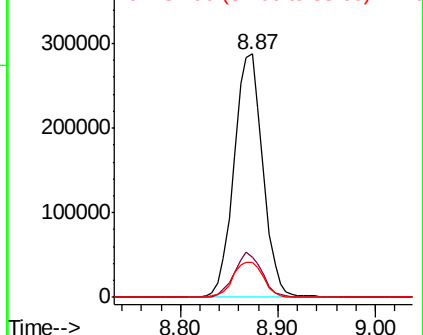
114 100

63 16.5 0.0 35.0

88 14.5 0.0 33.0



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: 52.372 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

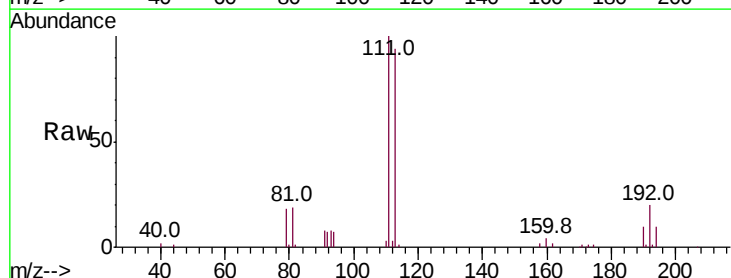
Tgt Ion:113 Resp: 185455

Ion Ratio Lower Upper

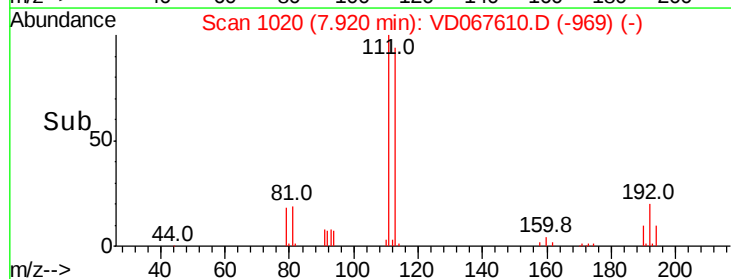
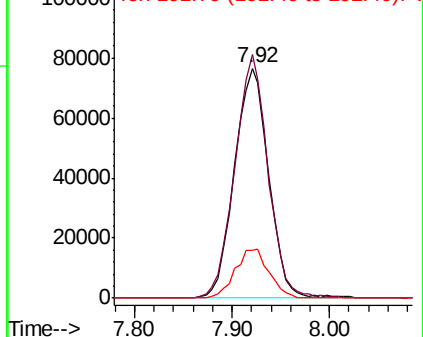
113 100

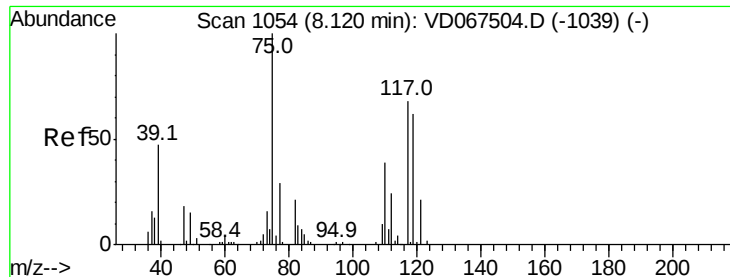
111 103.1 80.0 120.0

192 21.2 16.3 24.5



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: 4.962 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

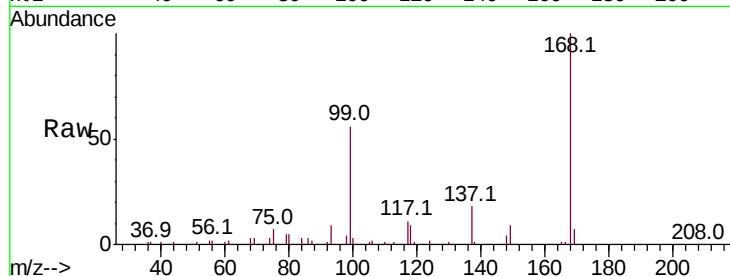
Tot Ion: 75 Resp: 24962

Ion Ratio Lower Upper

75 100

110 12.7 19.9 59.7#

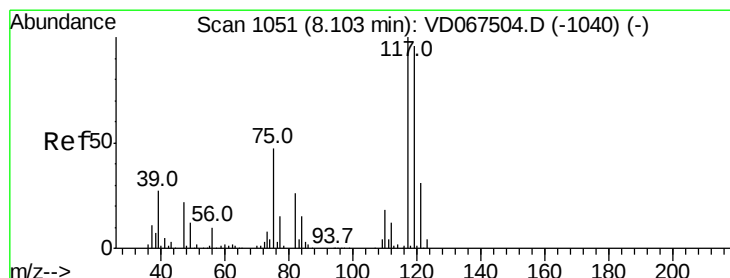
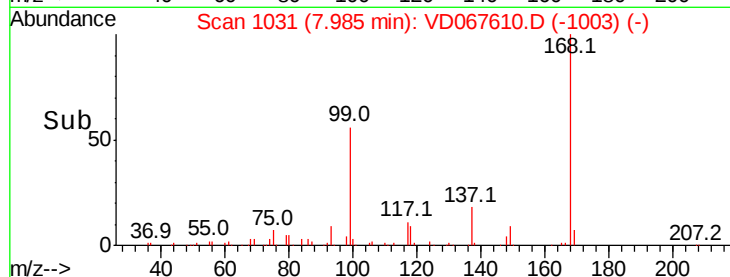
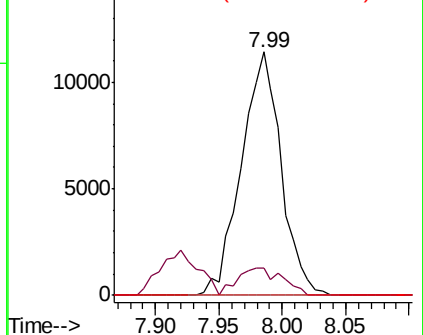
77 0.0 24.8 37.2#



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: 5.552 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

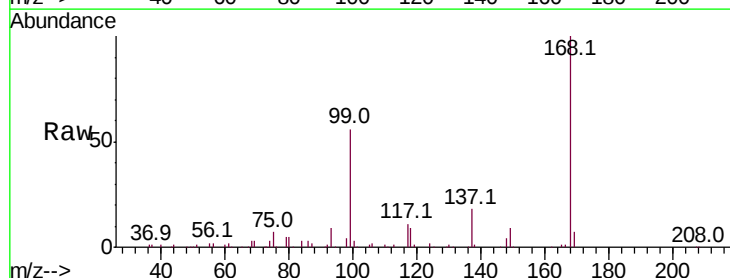
Tgt Ion: 117 Resp: 36292

Ion Ratio Lower Upper

117 100

119 7.2 76.9 115.3#

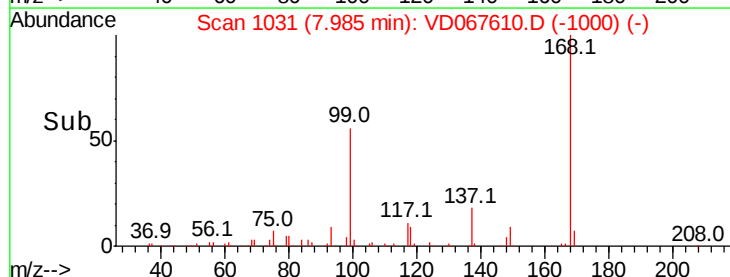
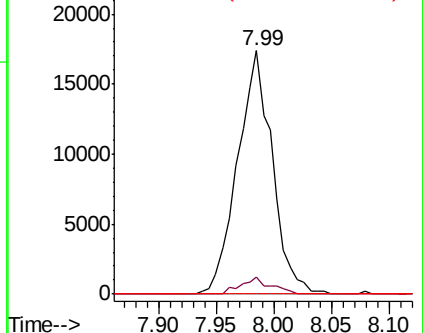
121 0.0 24.5 36.7#

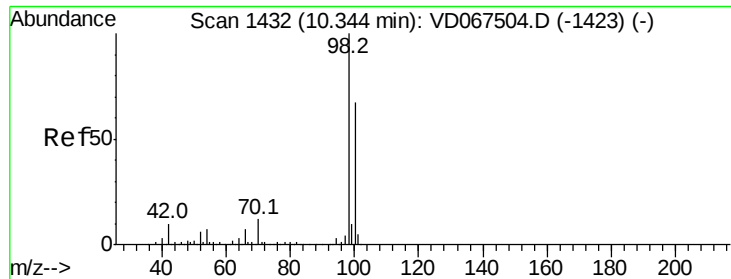


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 56.006 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

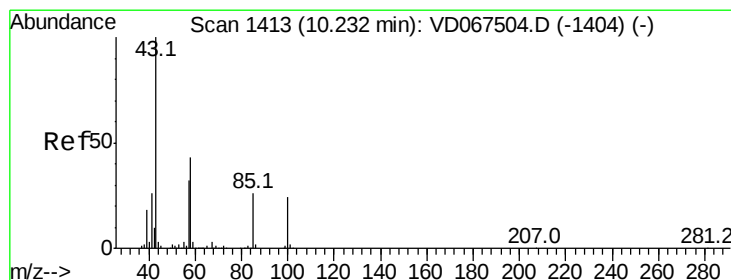
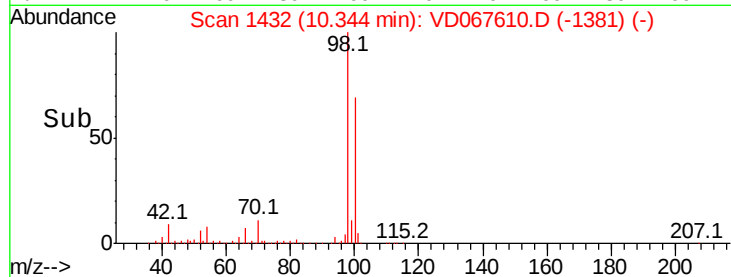
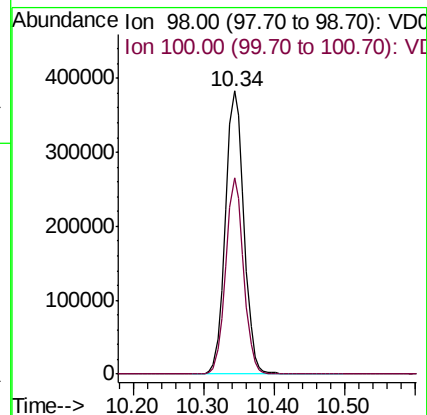
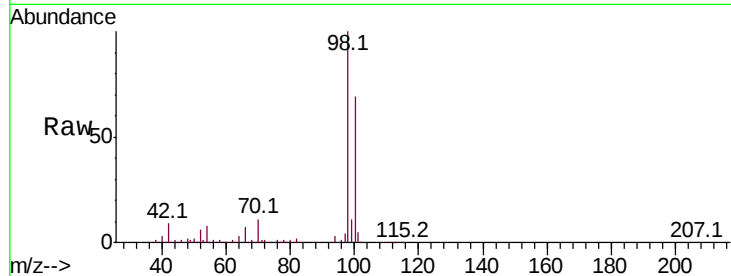
TP-3-D2

Tot Ion: 98 Resp: 696955

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 2.189 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067610.D

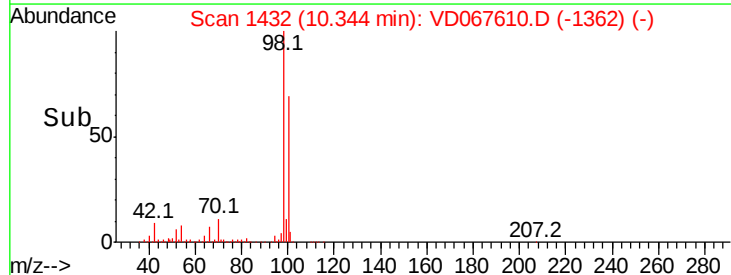
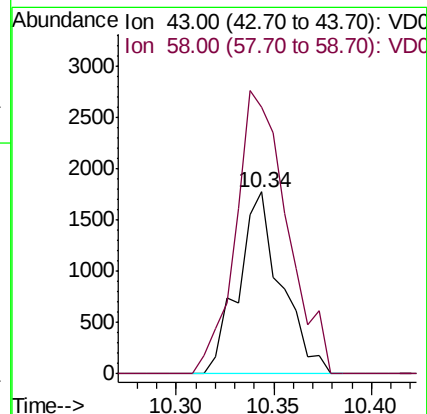
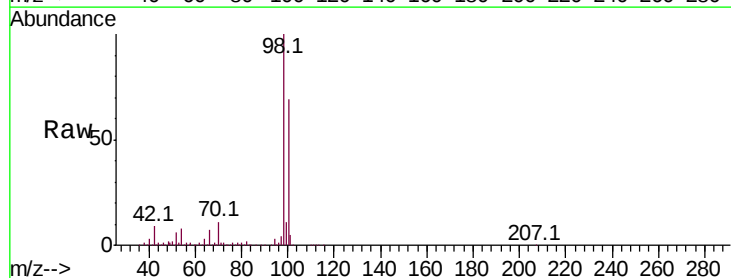
Acq: 11 Nov 2020 18:48

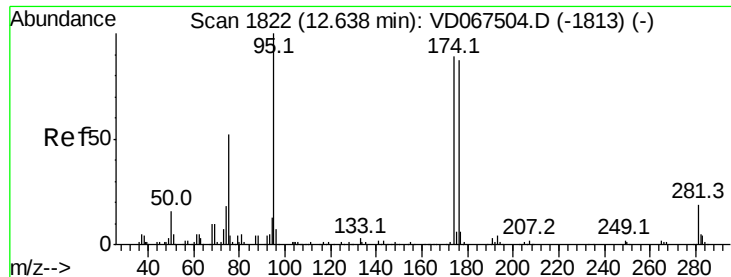
Tgt Ion: 43 Resp: 2704

Ion Ratio Lower Upper

43 100

58 186.6 35.6 53.4#

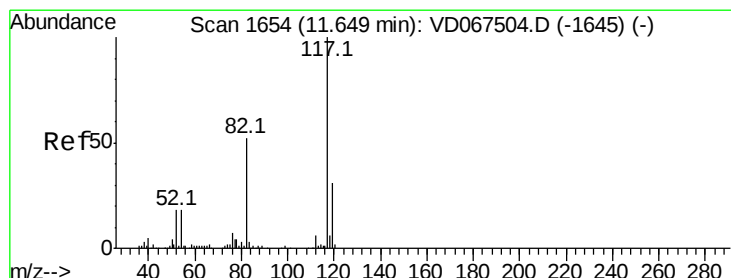
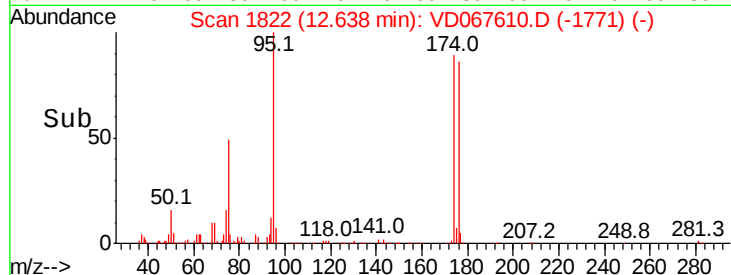
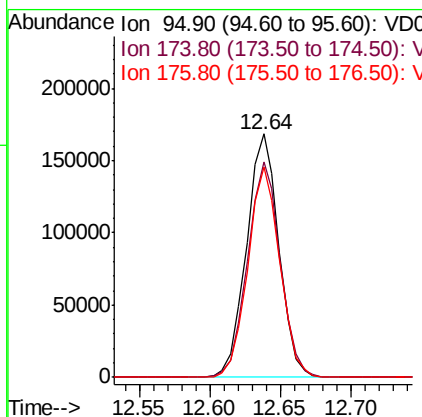
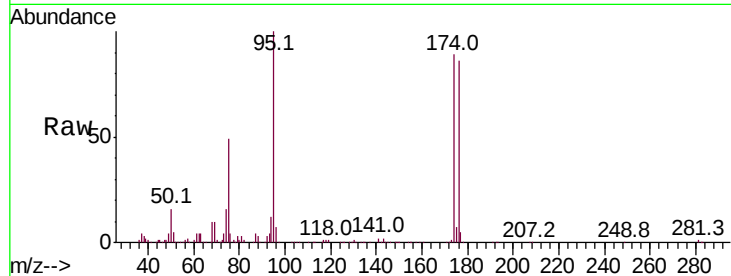




#62
4-Bromofluorobenzene
Concen: 62.838 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067610.D
Acq: 11 Nov 2020 18:48

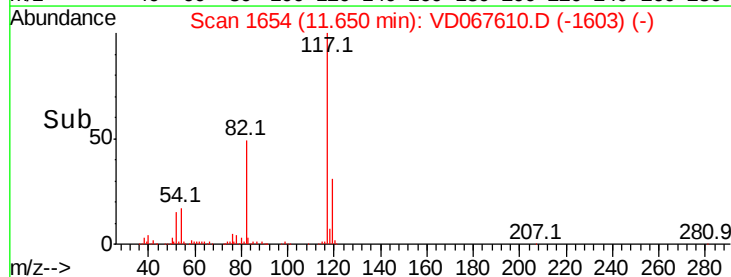
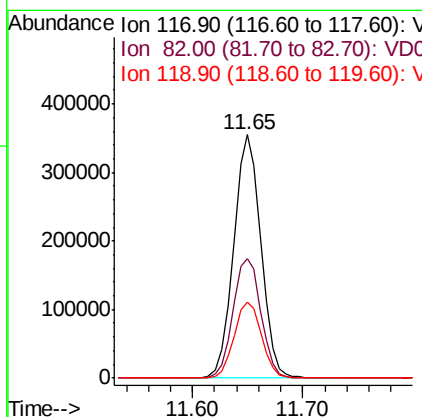
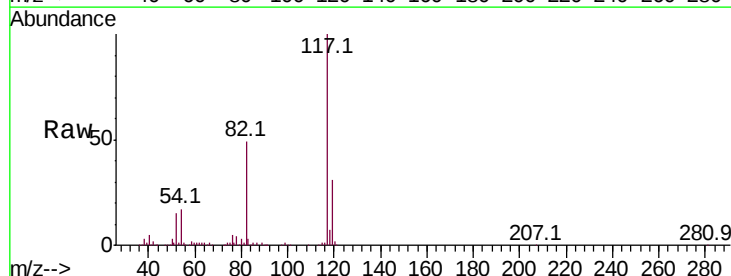
Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2

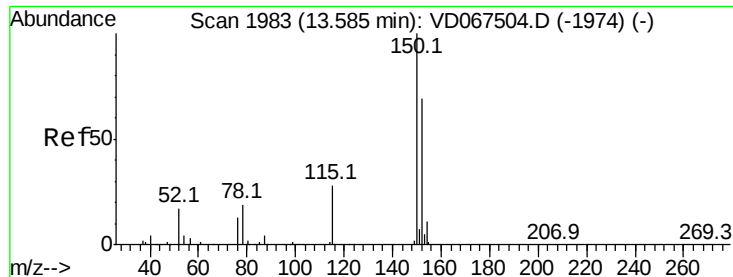
Tot Ion: 95 Resp: 269973
Ion Ratio Lower Upper
95 100
174 89.4 0.0 177.8
176 85.7 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067610.D
Acq: 11 Nov 2020 18:48

Tgt Ion: 117 Resp: 612055
Ion Ratio Lower Upper
117 100
82 49.1 41.6 62.4
119 31.3 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

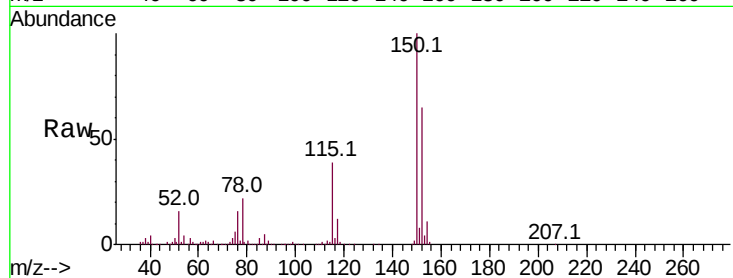
Tot Ion:152 Resp: 315542

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

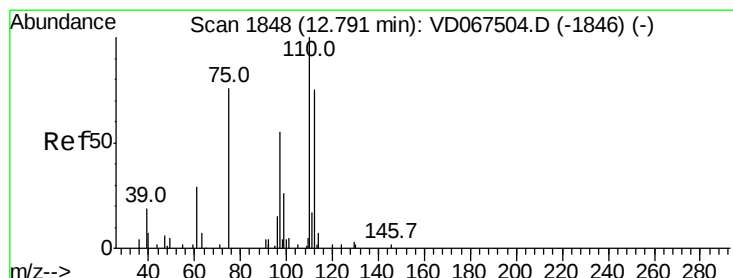
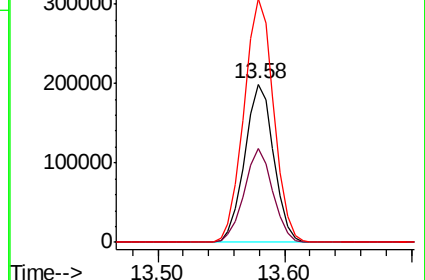
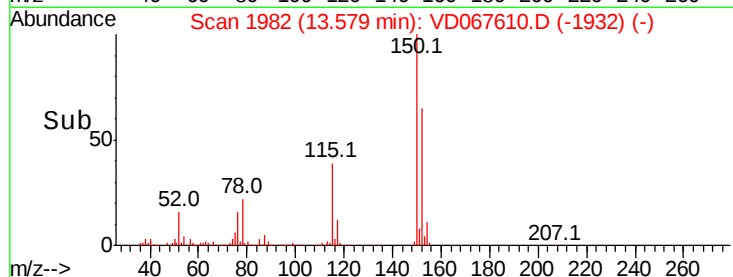
150 158.0 0.0 338.2



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: 71.787 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067610.D

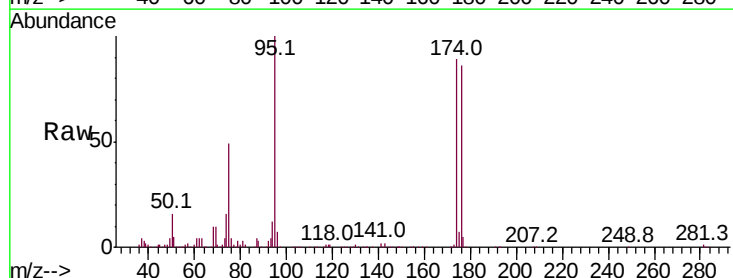
Acq: 11 Nov 2020 18:48

Tgt Ion: 75 Resp: 136648

Ion Ratio Lower Upper

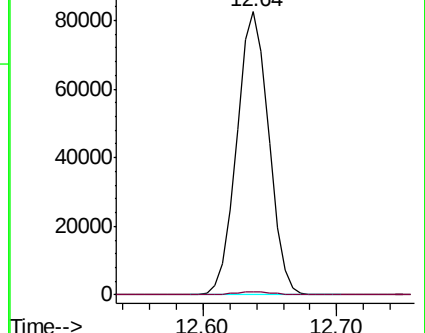
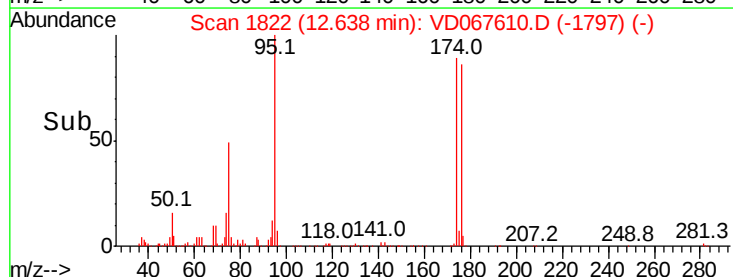
75 100

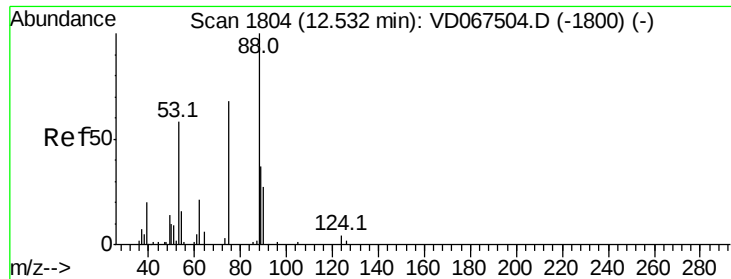
77 1.3 0.0 0.0#



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: 145.746 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067610.D

Acq: 11 Nov 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2

Tot Ion: 75 Resp: 136648

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.3 44.6 67.0#

