

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067583.D
 Acq On : 10 Nov 2020 15:33
 Operator : VA/SY
 Sample : L4697-02
 Misc : 9.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-S2

Quant Time: Nov 11 00:05:03 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

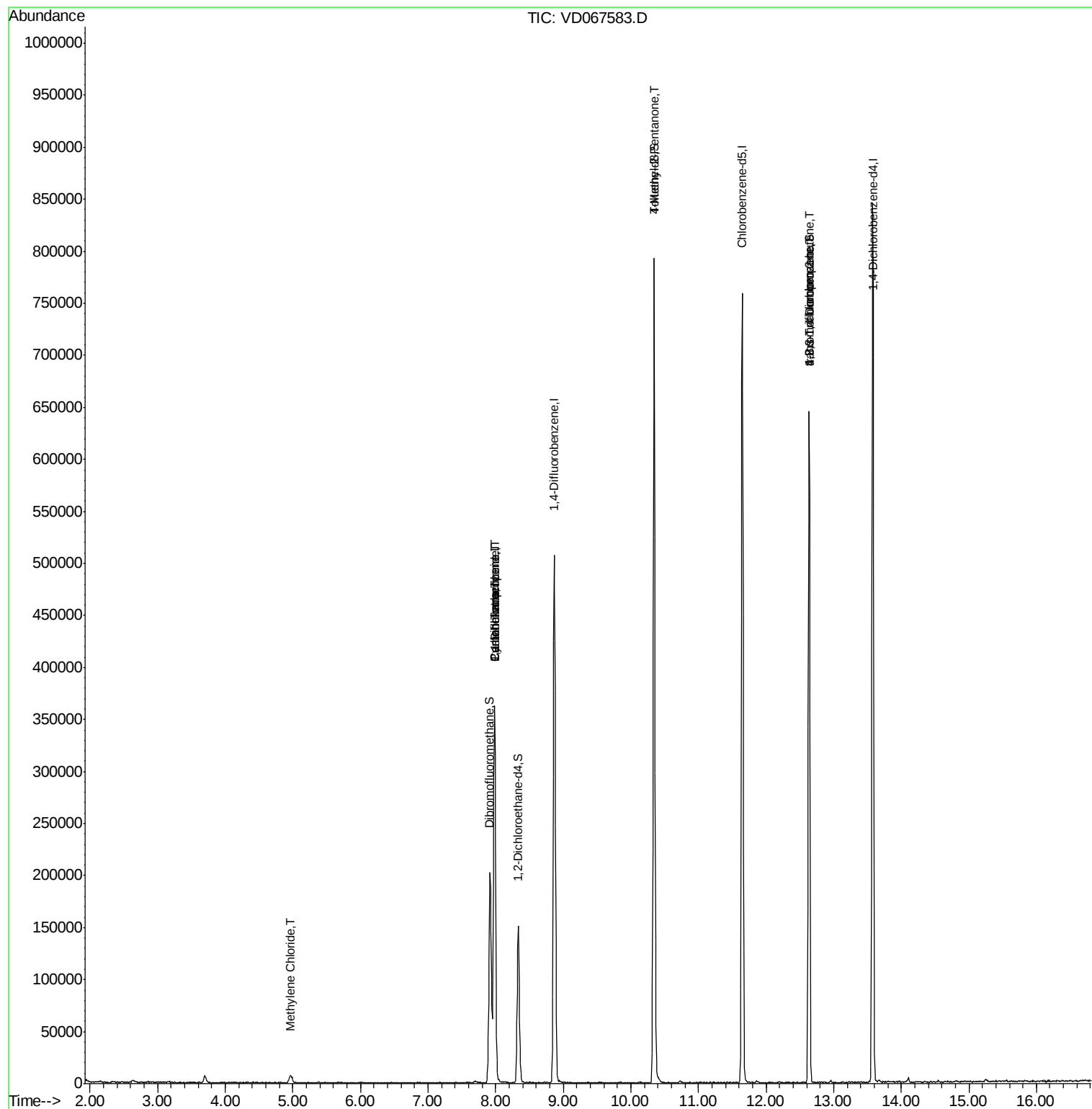
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	273136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	454524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	467174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	130652	54.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.42%	
35) Dibromofluoromethane	7.91	113	144798	52.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.76%	
50) Toluene-d8	10.34	98	542009	56.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.64%	
62) 4-Bromofluorobenzene	12.64	95	199306	59.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.98%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.97	84	5750	2.278	ug/l	92
31) Cyclohexane	7.98	56	5139	1.484	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	19385	4.982	ug/l #	45
38) Carbon Tetrachloride	7.98	117	26478	5.238	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1614	1.689	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	105422	73.498	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105422	149.220	ug/l #	10

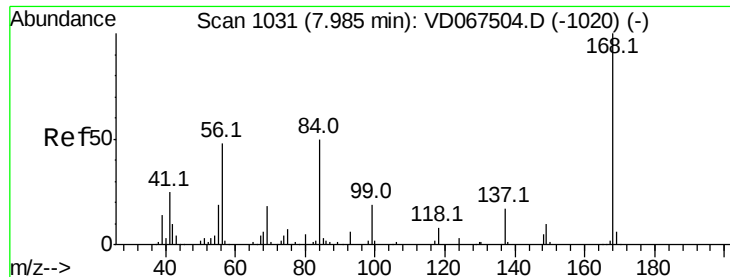
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\
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Quant Time: Nov 11 00:05:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

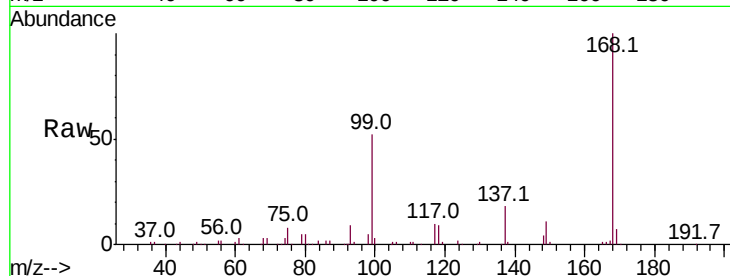
TP-2-S2

Tot Ion:168 Resp: 273136

Ion Ratio Lower Upper

168 100

99 51.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

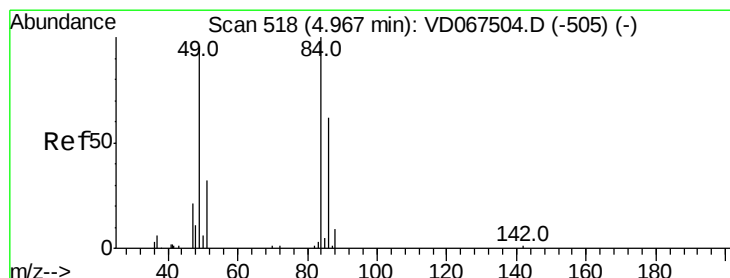
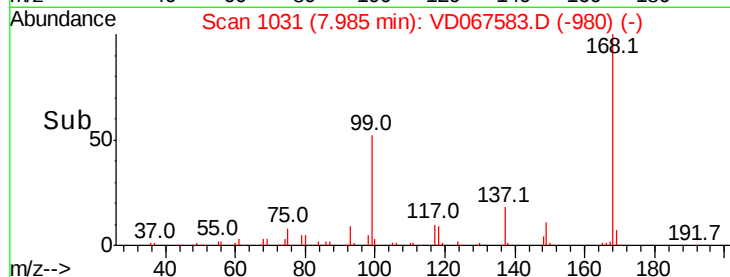
100000

50000

0

Time-->

7.90 7.95 8.00 8.05



#20

Methylene Chloride

Concen: 2.278 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

Tgt Ion: 84 Resp: 5750

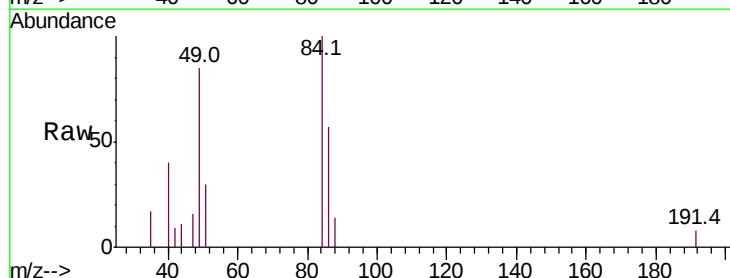
Ion Ratio Lower Upper

84 100

49 85.3 77.0 115.4

51 29.9 25.4 38.2

86 57.2 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

4.97

3000

2500

2000

1500

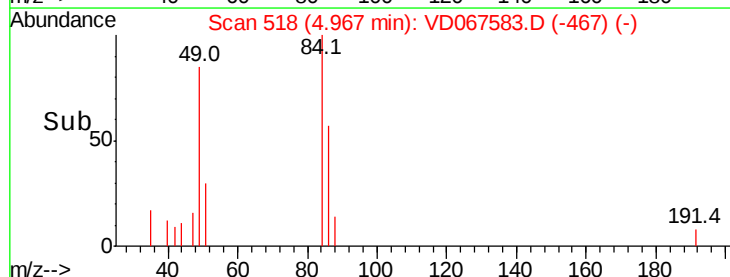
1000

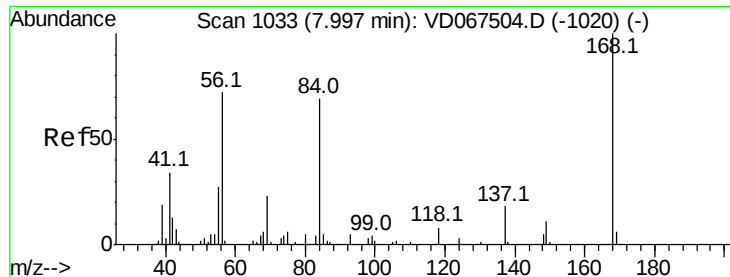
500

0

Time-->

4.90 4.95 5.00 5.05

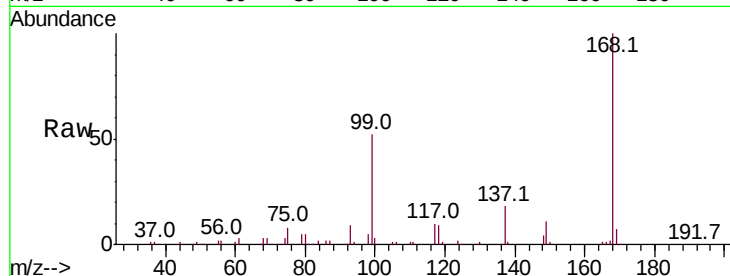




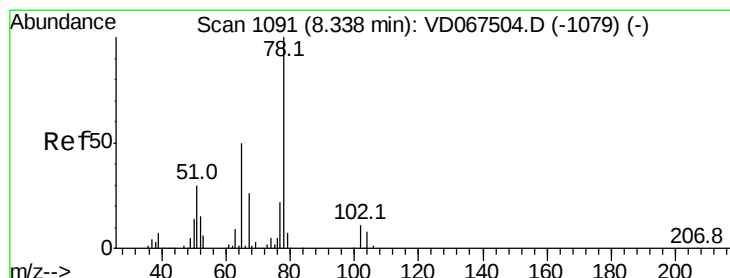
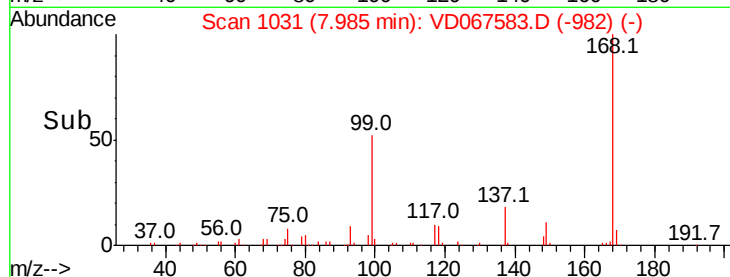
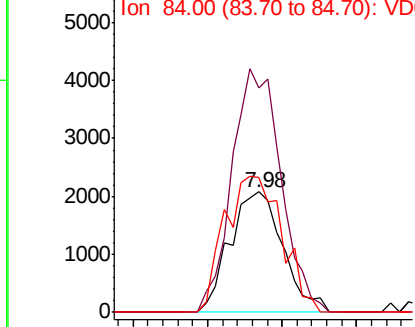
#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067583.D
Acq: 10 Nov 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
TP-2-S2

Tot Ion: 56 Resp: 5139
Ion Ratio Lower Upper
56 100
69 186.3 25.9 38.9#
84 111.6 76.2 114.4

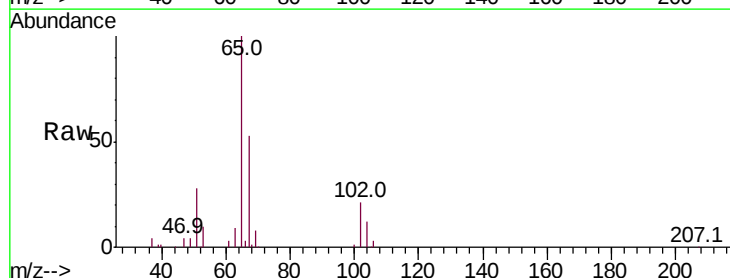


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

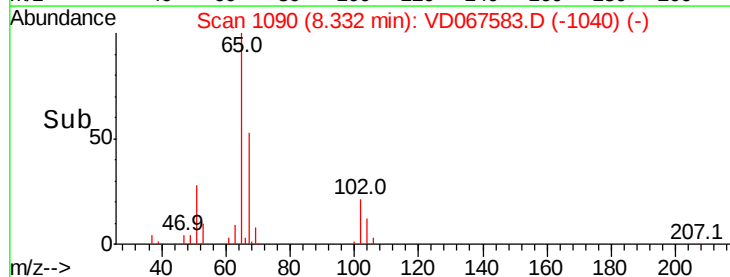
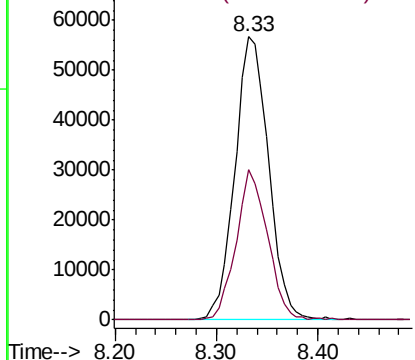


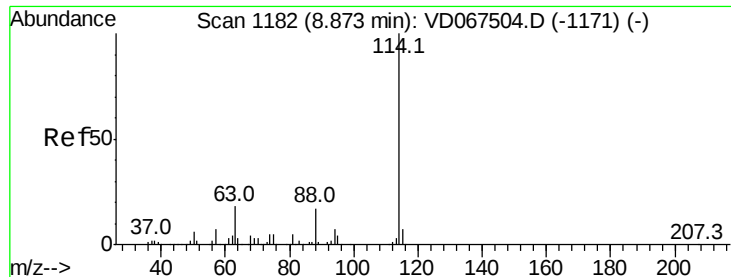
#33
1,2-Dichloroethane-d4
Concen: 54.706 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067583.D
Acq: 10 Nov 2020 15:33

Tgt Ion: 65 Resp: 130652
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.4



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. -0.01 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S2

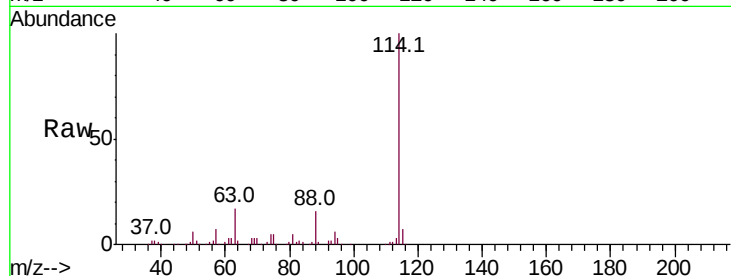
Tot Ion:114 Resp: 454524

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

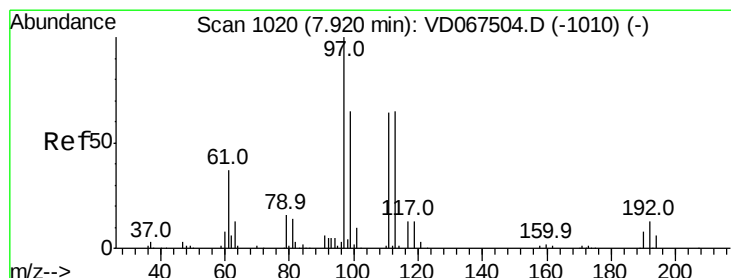
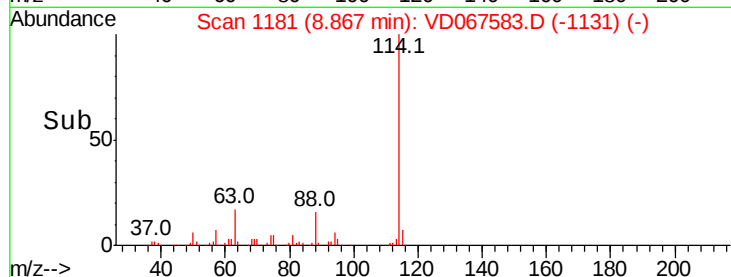
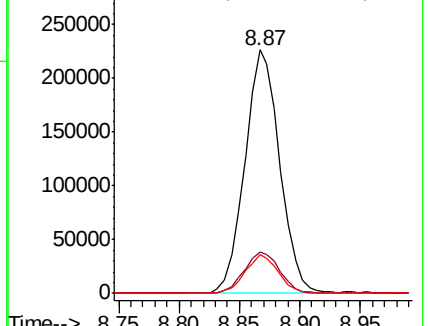
88 15.9 0.0 33.0



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: 52.875 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

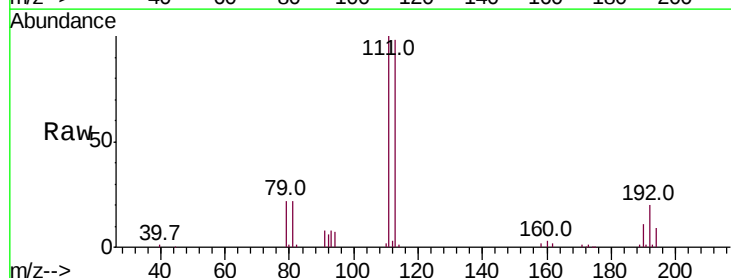
Tgt Ion:113 Resp: 144798

Ion Ratio Lower Upper

113 100

111 102.1 80.0 120.0

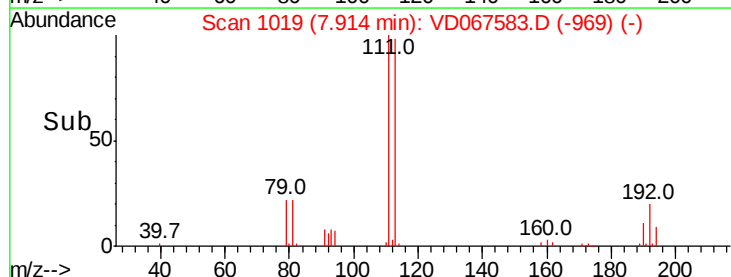
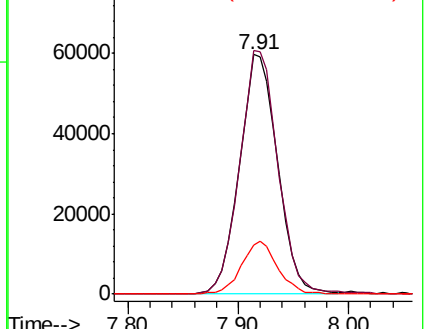
192 20.9 16.3 24.5

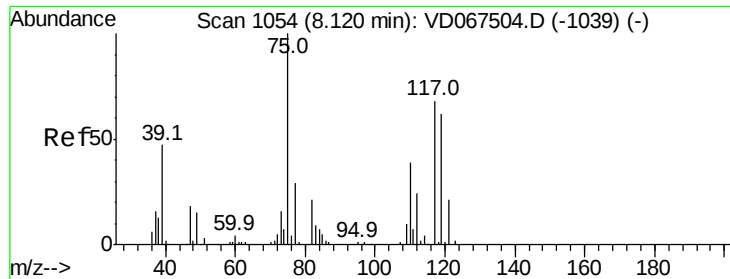


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S2

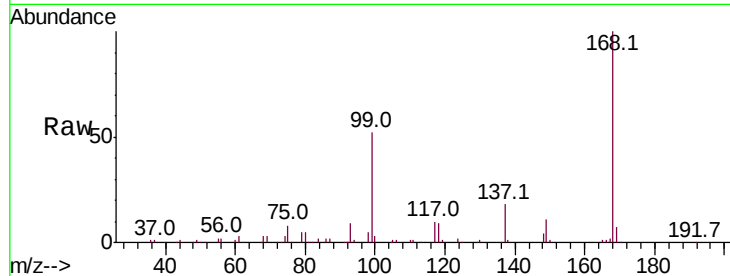
Tot Ion: 75 Resp: 19385

Ion Ratio Lower Upper

75 100

110 6.5 19.9 59.7#

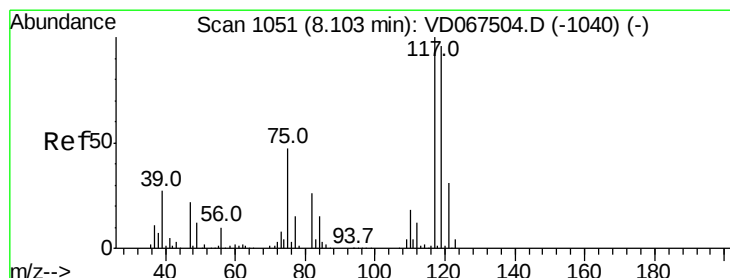
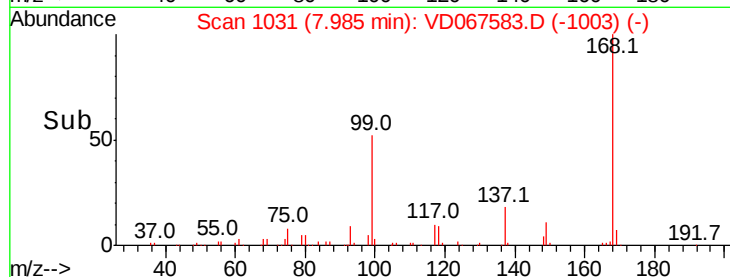
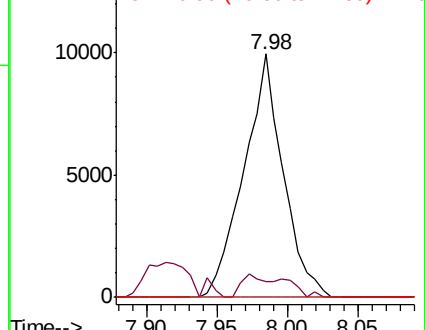
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.238 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

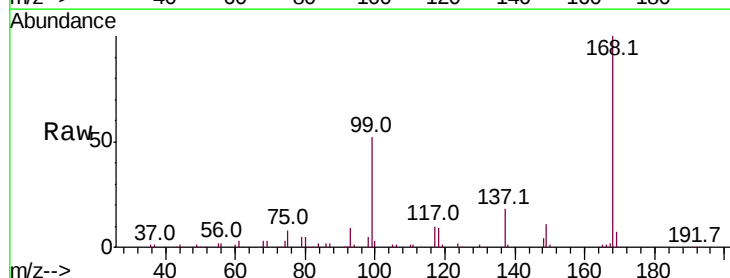
Tgt Ion: 117 Resp: 26478

Ion Ratio Lower Upper

117 100

119 6.8 76.9 115.3#

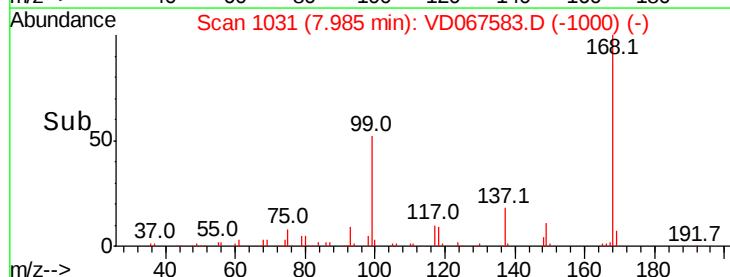
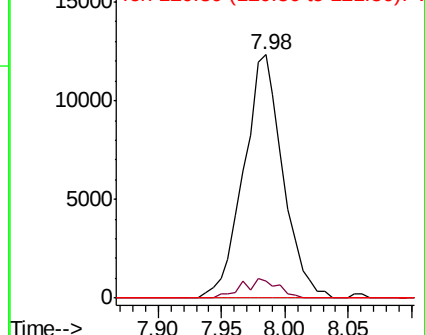
121 0.0 24.5 36.7#

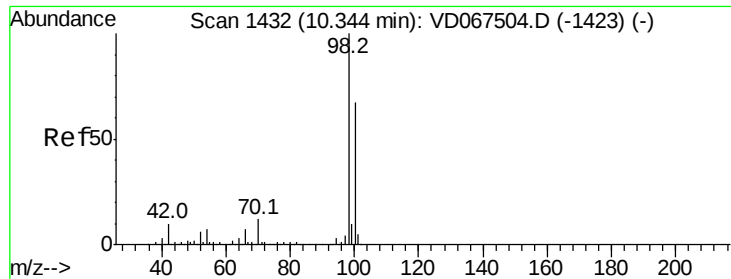


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

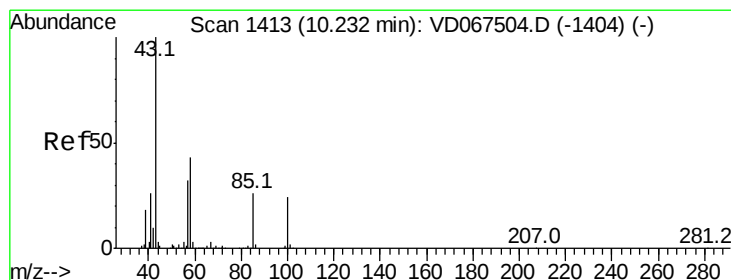
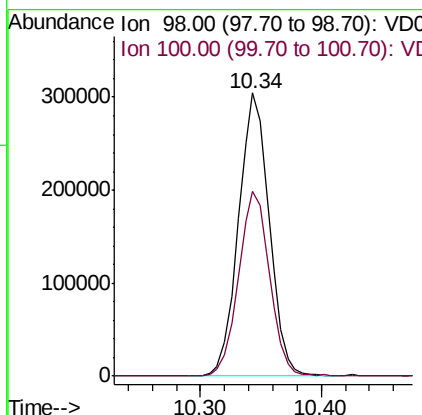
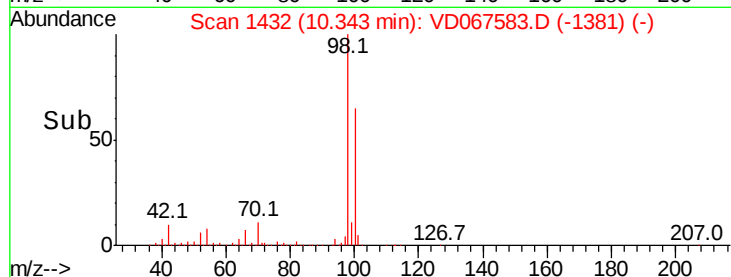
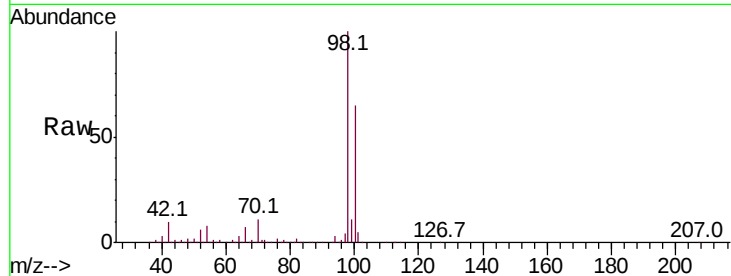




#50
Toluene-d8
Concen: 56.320 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067583.D
Acq: 10 Nov 2020 15:33

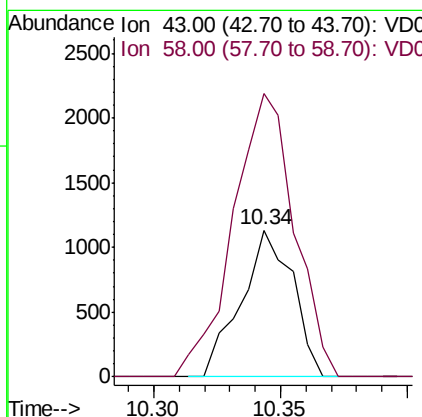
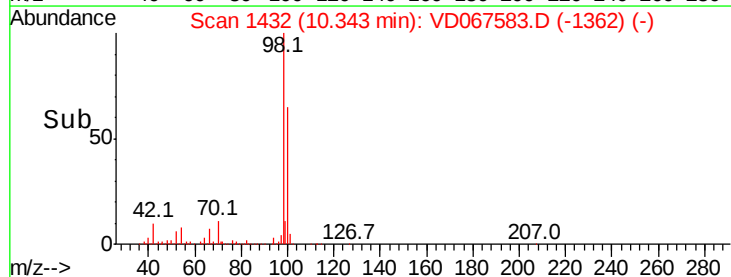
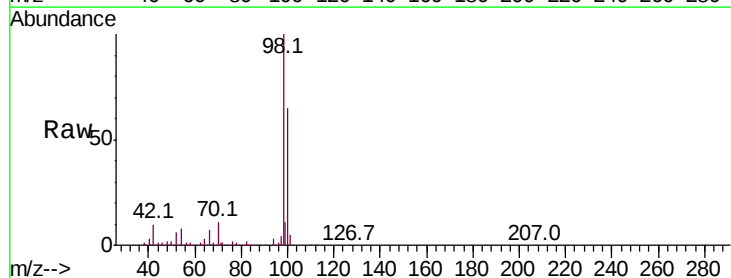
Instrument :
MSVOA_D
ClientSampleId :
TP-2-S2

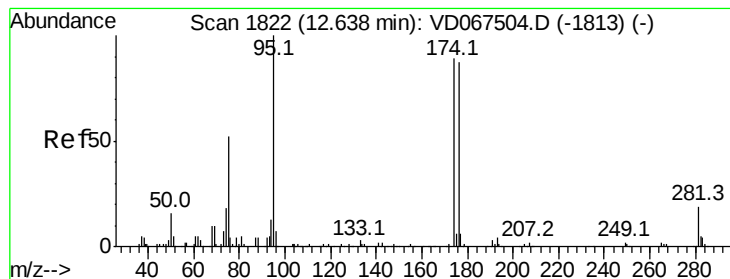
Tot Ion: 98 Resp: 542009
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.689 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067583.D
Acq: 10 Nov 2020 15:33

Tgt Ion: 43 Resp: 1614
Ion Ratio Lower Upper
43 100
58 228.5 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 59.986 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S2

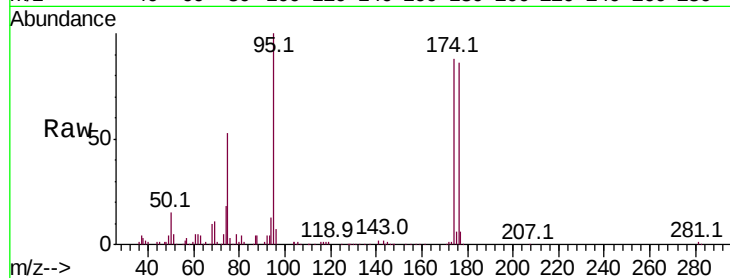
Tot Ion: 95 Resp: 199306

Ion Ratio Lower Upper

95 100

174 90.7 0.0 177.8

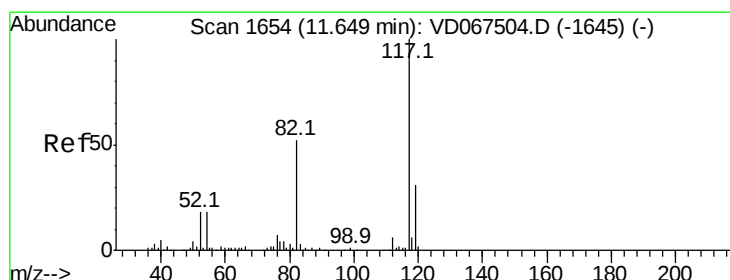
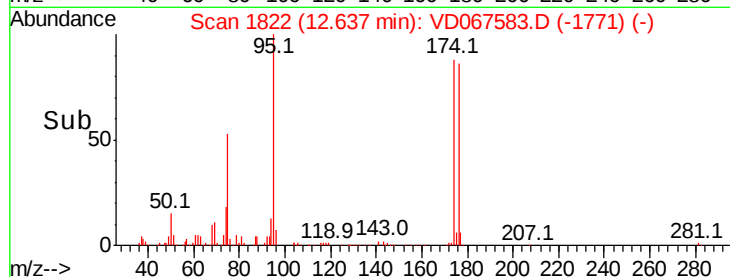
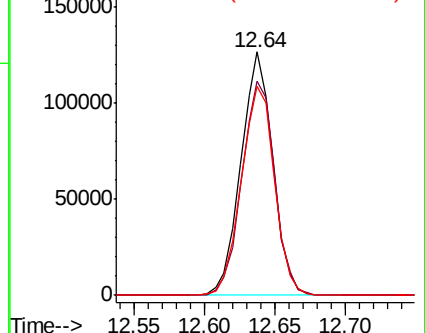
176 89.1 0.0 172.0



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: VD067583.D

Acq: 10 Nov 2020 15:33

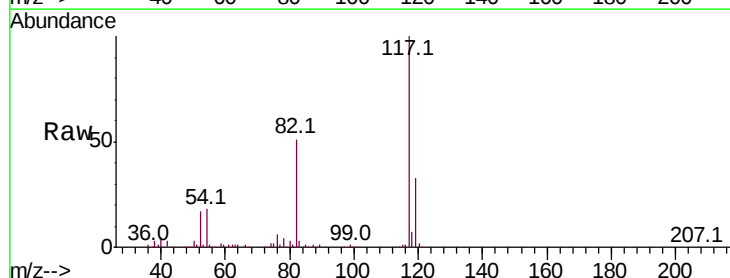
Tgt Ion: 117 Resp: 467174

Ion Ratio Lower Upper

117 100

82 51.3 41.6 62.4

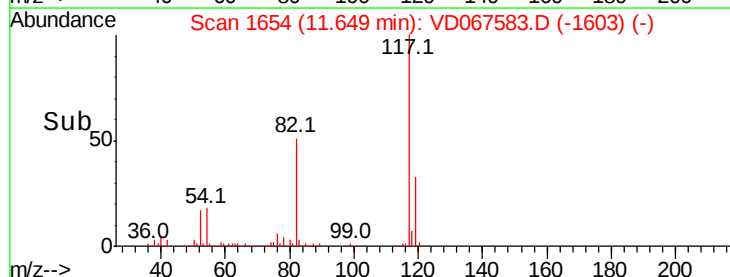
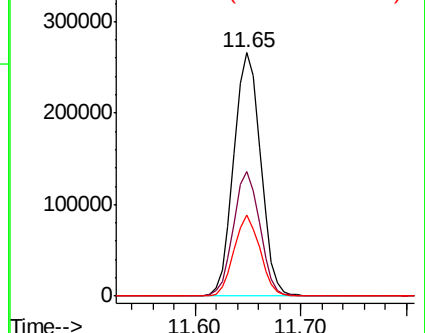
119 33.1 25.1 37.7

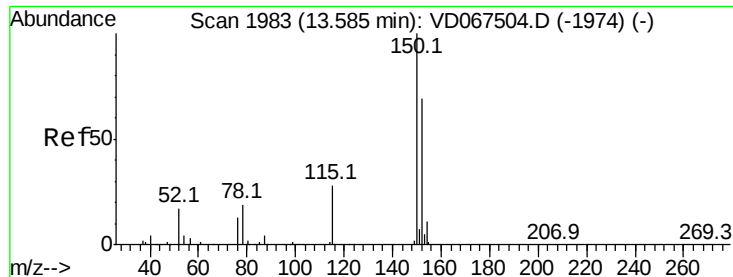


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



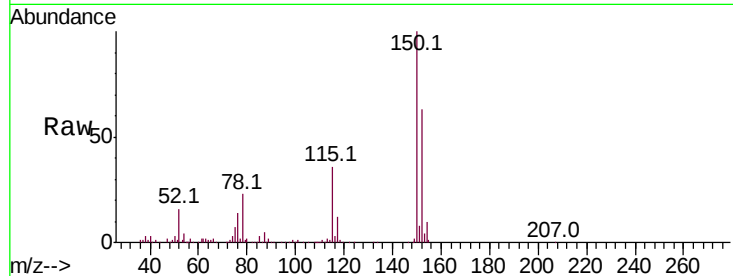


#72

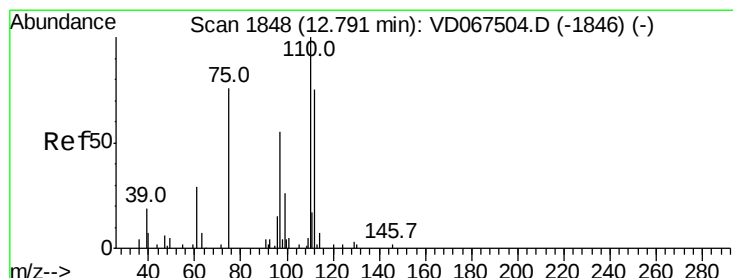
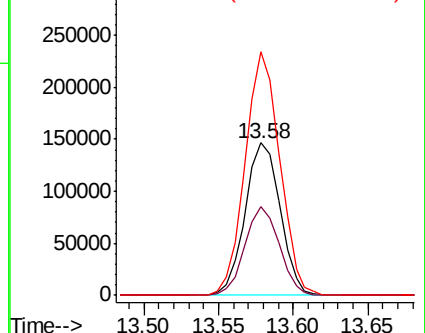
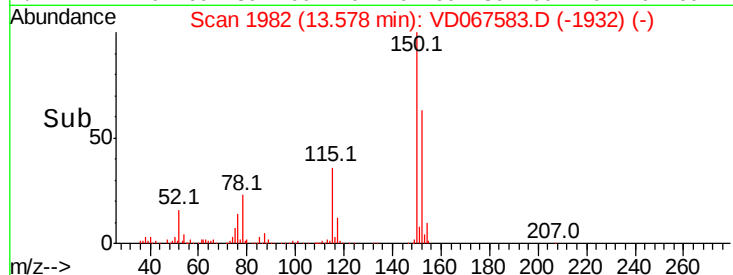
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067583.D
Acq: 10 Nov 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
TP-2-S2

Tot Ion:152 Resp: 237768
Ion Ratio Lower Upper
152 100
115 57.2 29.3 88.0
150 157.7 0.0 338.2



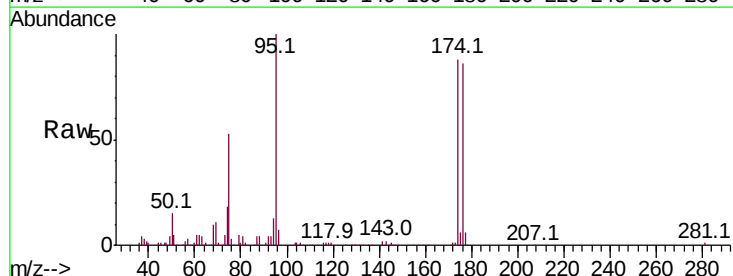
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



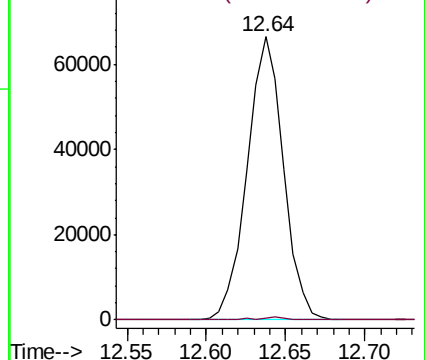
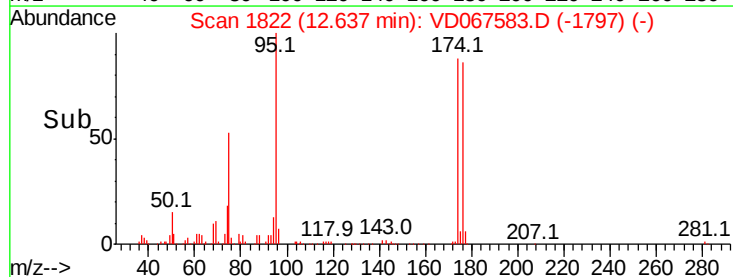
#76

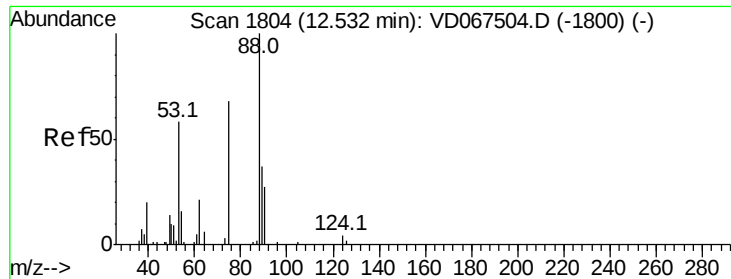
1,2,3-Trichloropropane
Concen: 73.498 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067583.D
Acq: 10 Nov 2020 15:33

Tgt Ion: 75 Resp: 105422
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 149.220 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067583.D

Acq: 10 Nov 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S2

Tot Ion: 75 Resp: 105422

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#

