

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065136.D
 Acq On : 10 Feb 2020 16:45
 Operator : VA/SY
 Sample : L1403-13RE
 Misc : 10.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:07:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

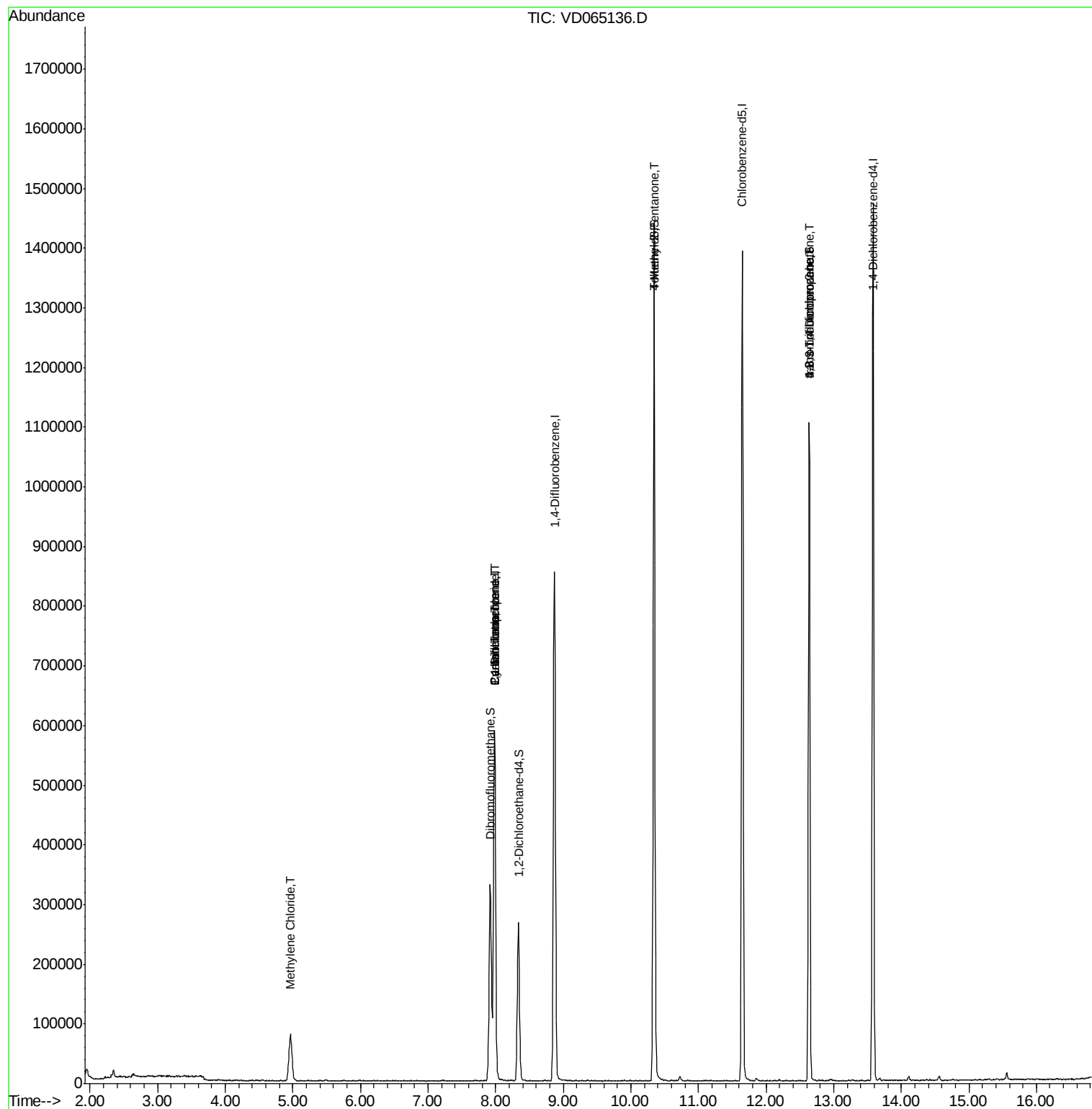
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	454078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	781220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381536	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	212996	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
35) Dibromofluoromethane	7.92	113	233699	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	
50) Toluene-d8	10.34	98	934524	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
62) 4-Bromofluorobenzene	12.64	95	338098	63.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.56%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.96	84	59666	10.968	ug/l	97
31) Cyclohexane	7.98	56	9729	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33923	4.843	ug/l #	49
38) Carbon Tetrachloride	7.98	117	43388	6.064	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	4358	1.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	175791	60.856	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	175791	121.707	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021020\
Data File : VD065136.D
Acq On : 10 Feb 2020 16:45
Operator : VA/SY
Sample : L1403-13RE
Misc : 10.42G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 11 08:07:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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: VD065136.D

Acq: 10 Feb 2020 16:45

Instrument :

MSVOA_D

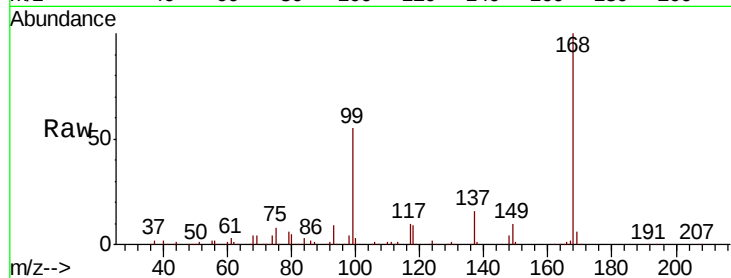
ClientSampleId :

Tot Ion:168 Resp: 454078

Ion Ratio Lower Upper

168 100

99 54.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

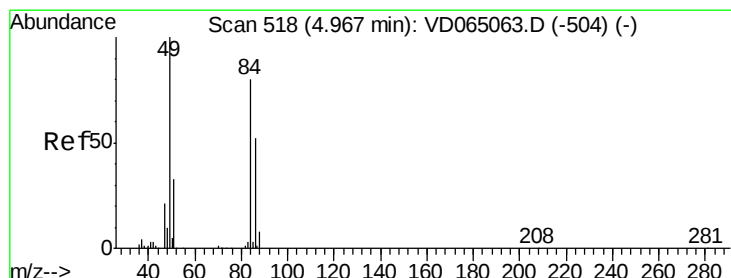
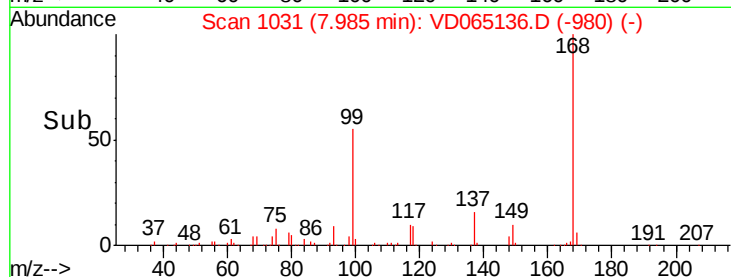
100000

50000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: 10.968 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065136.D

Acq: 10 Feb 2020 16:45

Tgt Ion: 84 Resp: 59666

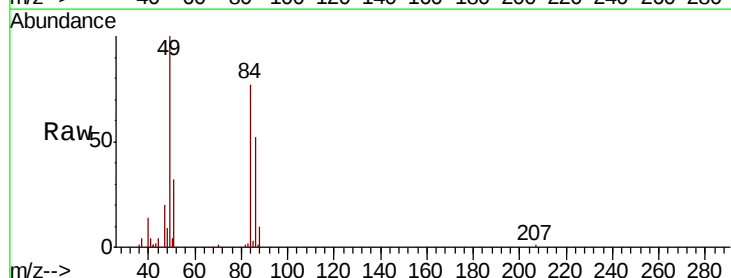
Ion Ratio Lower Upper

84 100

49 129.9 100.4 150.6

51 41.8 32.7 49.1

86 67.2 52.4 78.6



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

30000

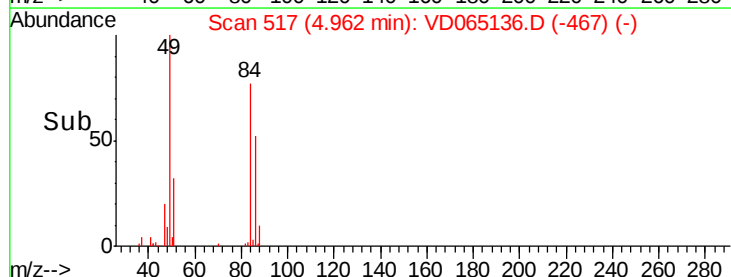
20000

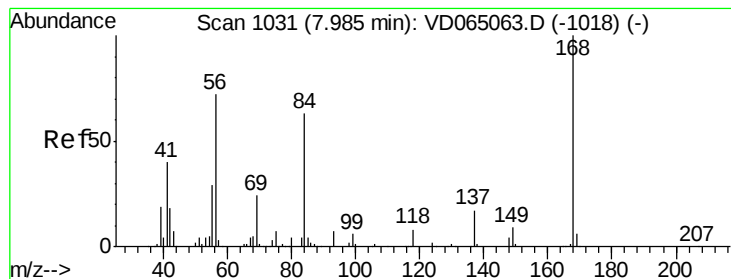
10000

0

Time-->

4.90 5.00





#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065136.D

Acq: 10 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :

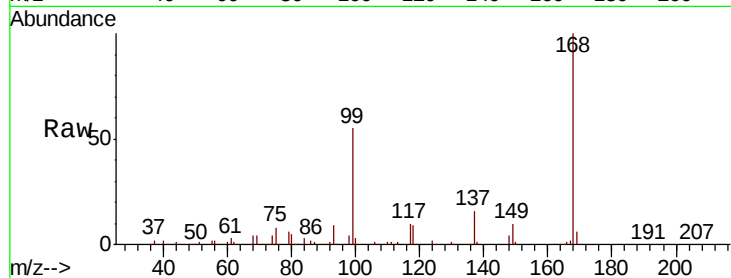
Tot Ion: 56 Resp: 9729

Ion Ratio Lower Upper

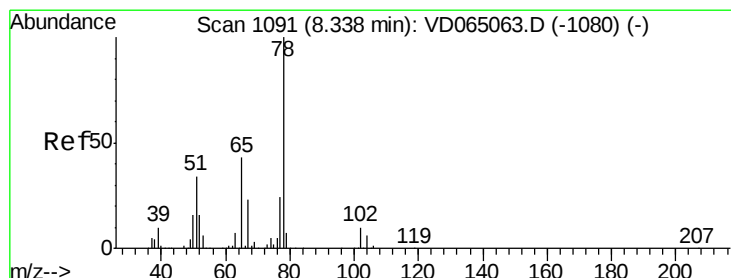
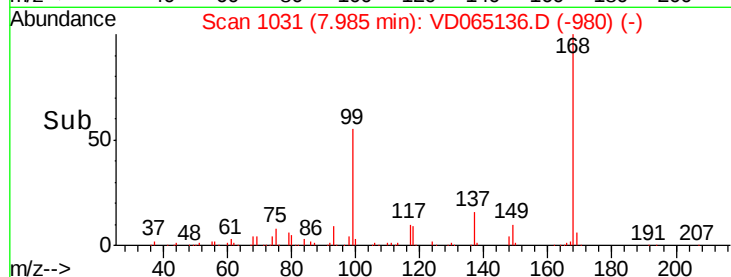
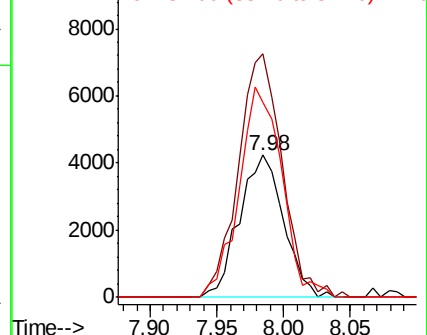
56 100

69 171.6 26.6 40.0#

84 137.0 70.6 106.0#



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: 55.191 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065136.D

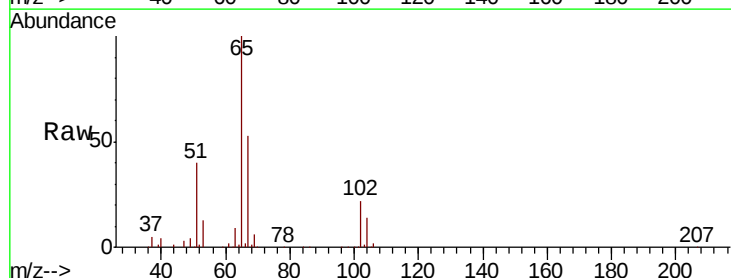
Acq: 10 Feb 2020 16:45

Tgt Ion: 65 Resp: 212996

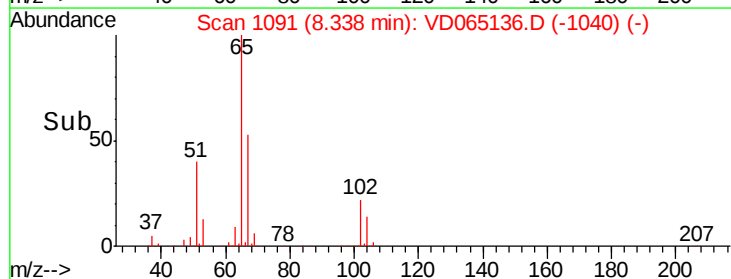
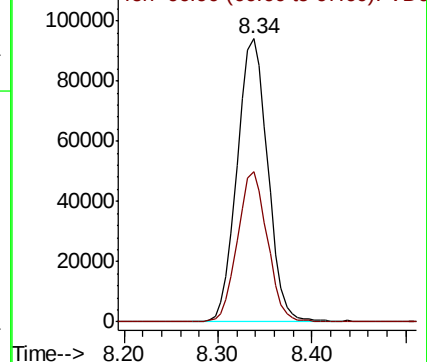
Ion Ratio Lower Upper

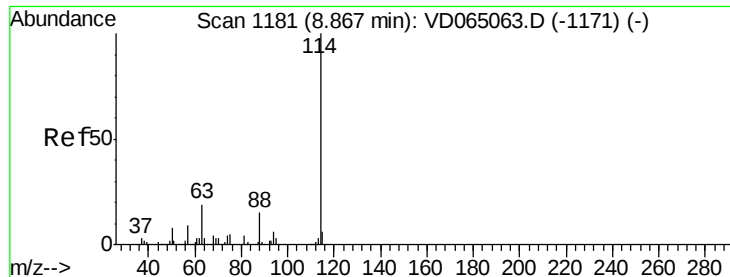
65 100

67 51.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

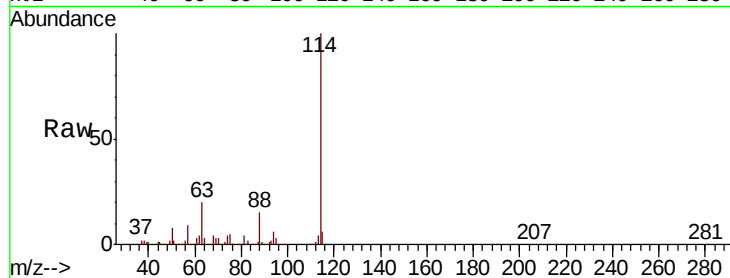




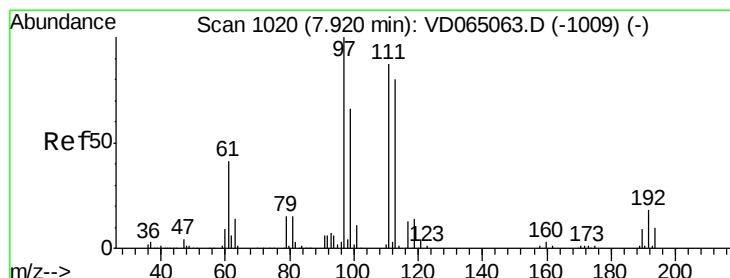
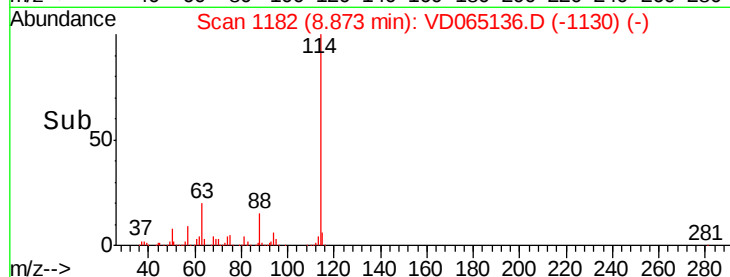
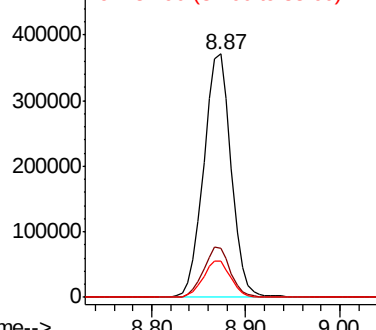
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 753356
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.8
88 14.7 0.0 29.6

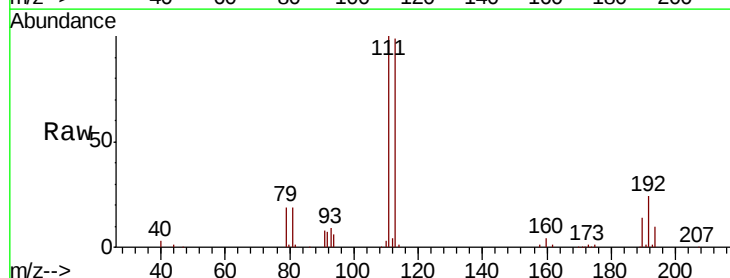


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

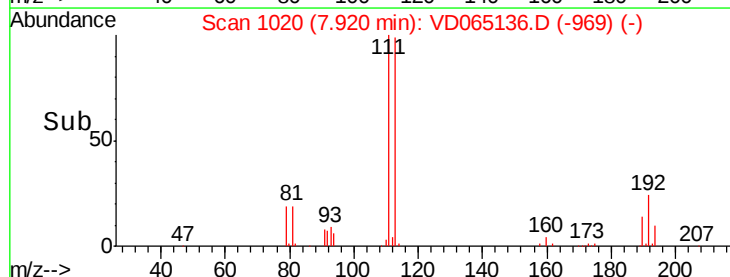
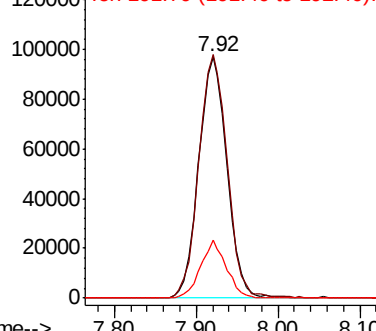


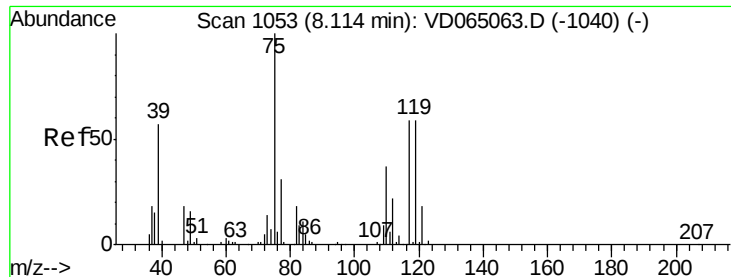
#35
Dibromofluoromethane
Concen: 55.599 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

Tgt Ion:113 Resp: 233699
Ion Ratio Lower Upper
113 100
111 101.3 83.1 124.7
192 21.7 18.1 27.1



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: 4.843 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065136.D

Acq: 10 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :

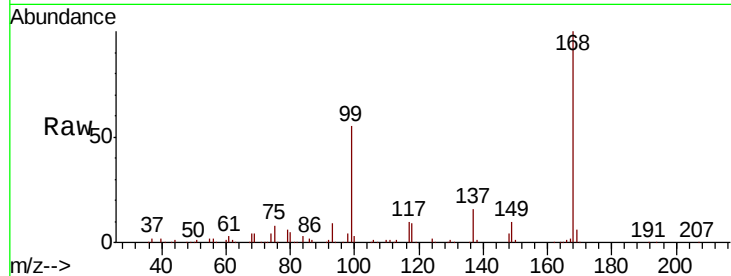
Tot Ion: 75 Resp: 33923

Ion Ratio Lower Upper

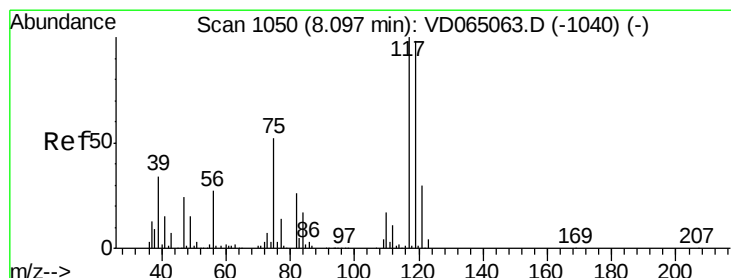
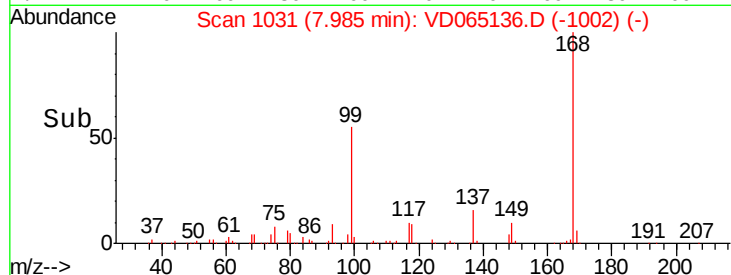
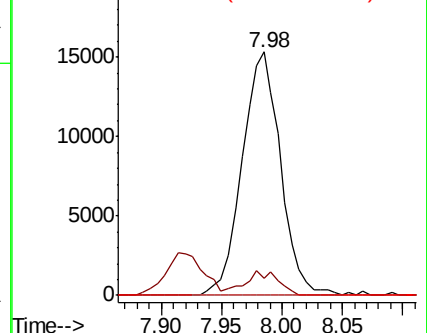
75 100

110 8.3 18.1 54.3#

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: 6.064 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065136.D

Acq: 10 Feb 2020 16:45

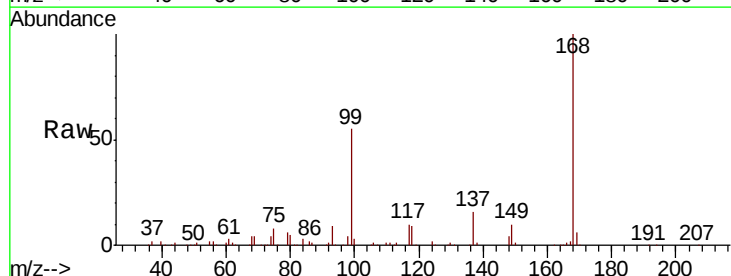
Tgt Ion: 117 Resp: 43388

Ion Ratio Lower Upper

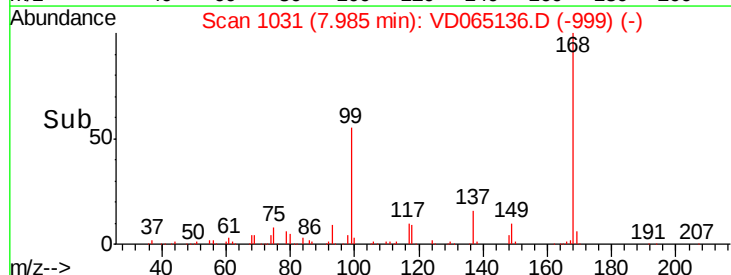
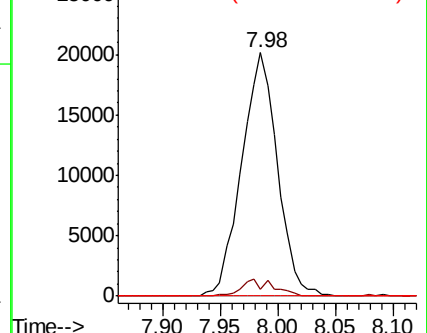
117 100

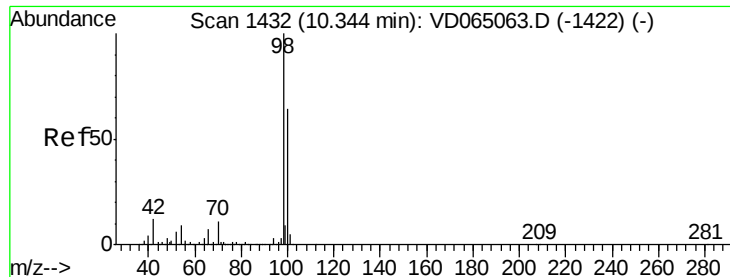
119 2.9 78.5 117.7#

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

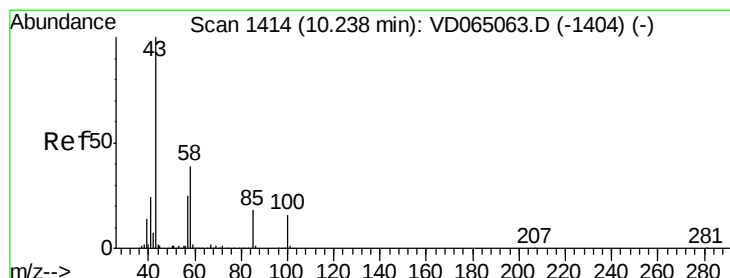
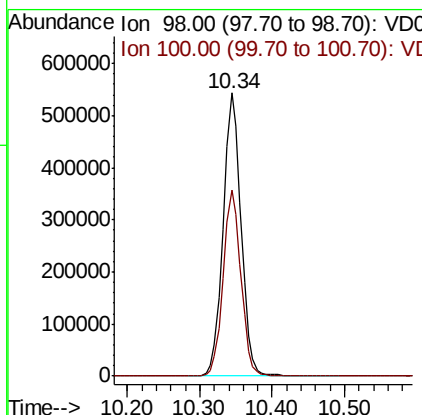
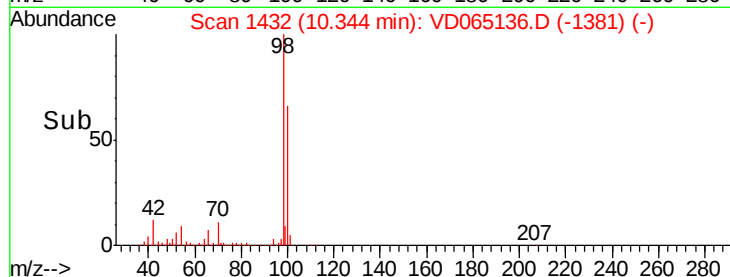
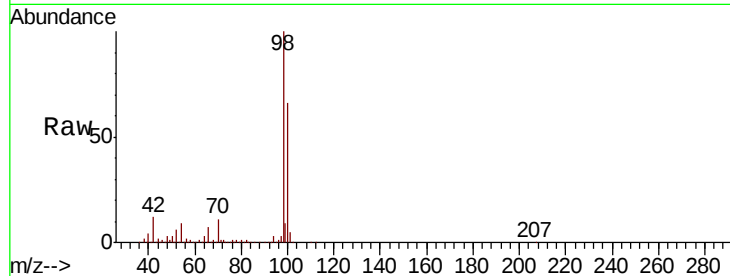




#50
Toluene-d8
Concen: 55.858 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

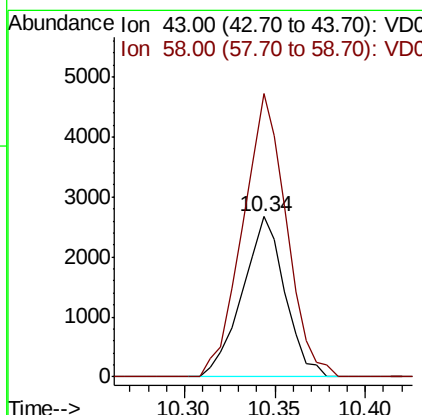
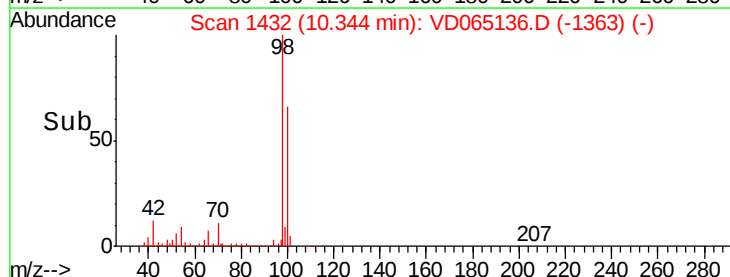
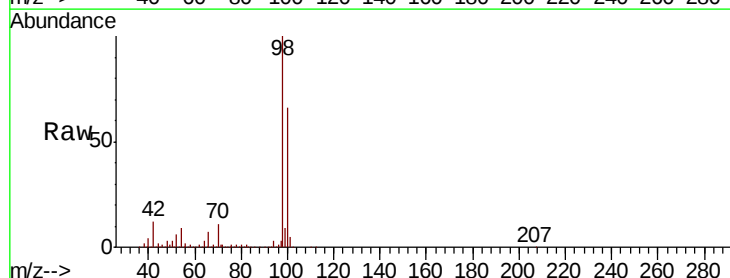
Instrument :
MSVOA_D
ClientSampled :

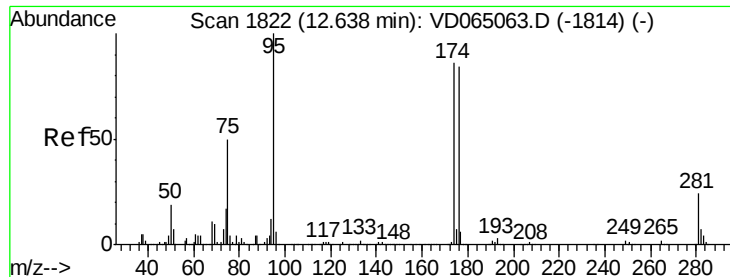
Tot Ion: 98 Resp: 934524
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.617 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

Tgt Ion: 43 Resp: 4358
Ion Ratio Lower Upper
43 100
58 181.5 30.2 45.2#

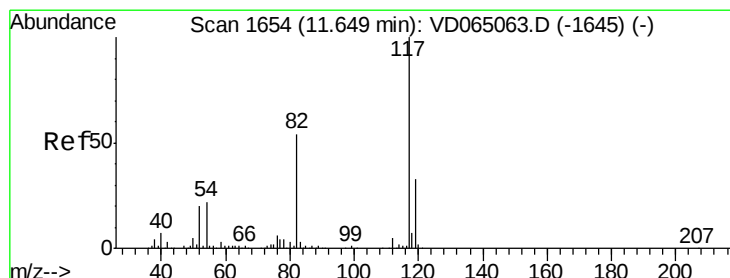
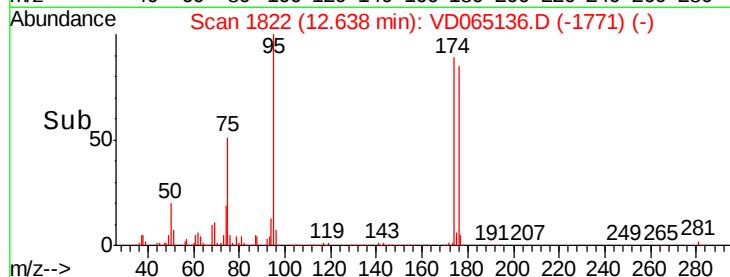
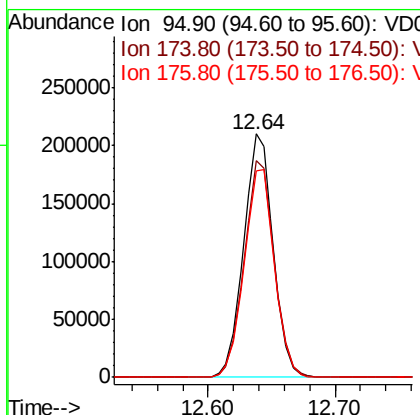
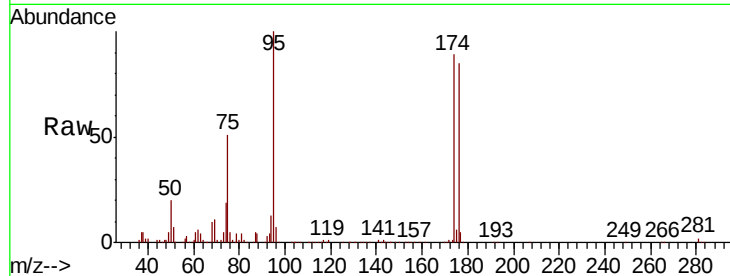




#62
4-Bromofluorobenzene
Concen: 63.778 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

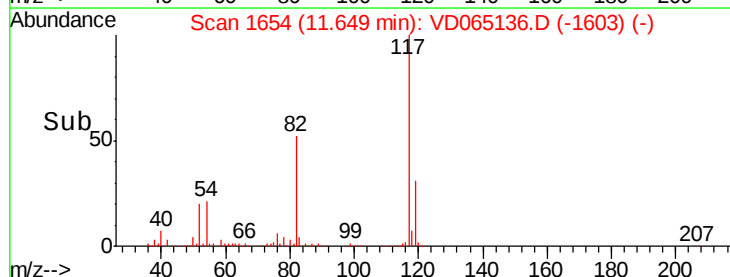
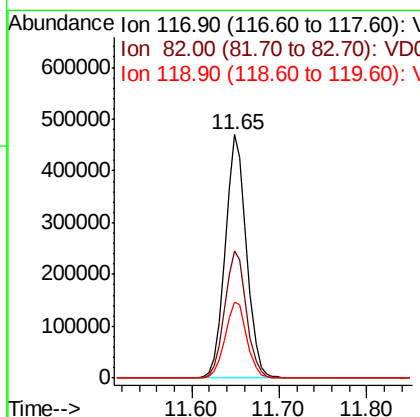
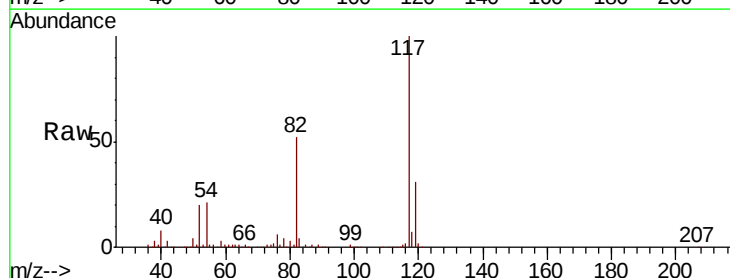
Instrument :
MSVOA_D
ClientSampled :

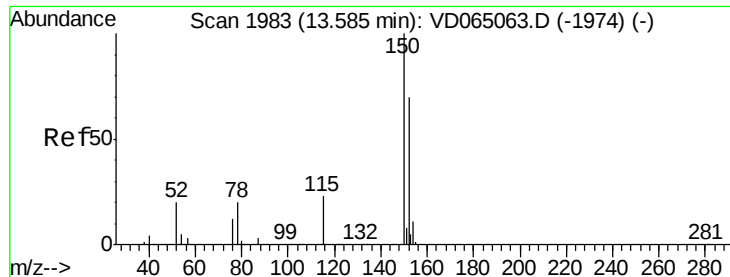
Tot Ion: 95 Resp: 338098
Ion Ratio Lower Upper
95 100
174 90.9 0.0 180.0
176 88.2 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

Tgt Ion: 117 Resp: 781220
Ion Ratio Lower Upper
117 100
82 52.1 43.1 64.7
119 31.2 26.0 39.0



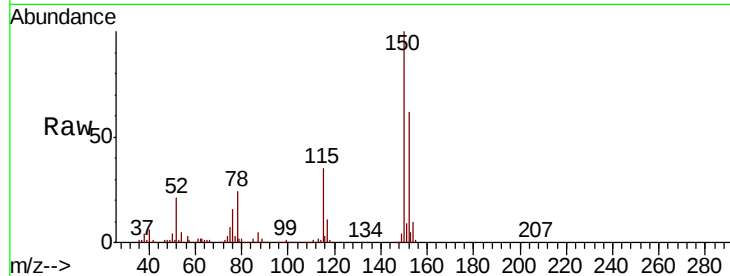


#72

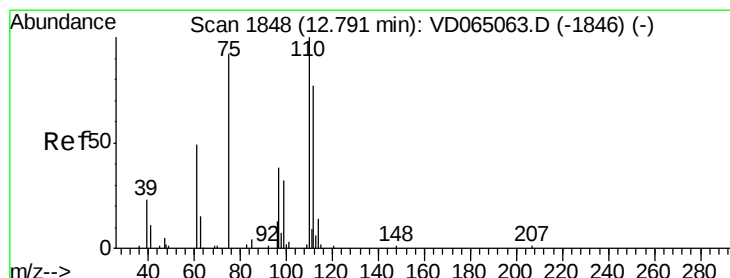
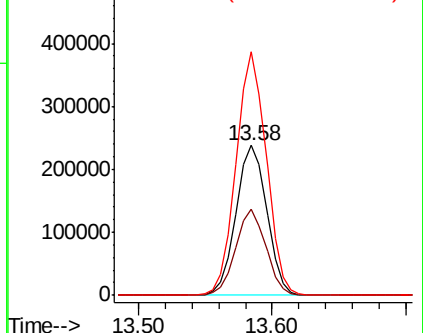
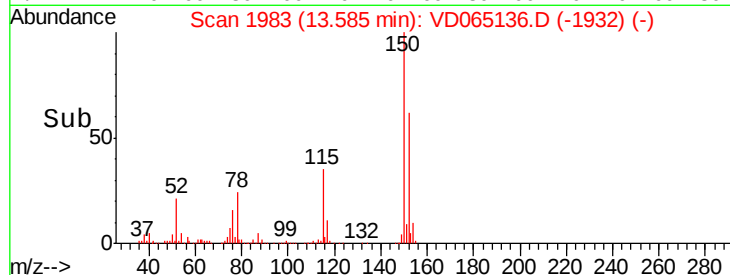
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.5	82.4
150	159.1	0.0	343.2



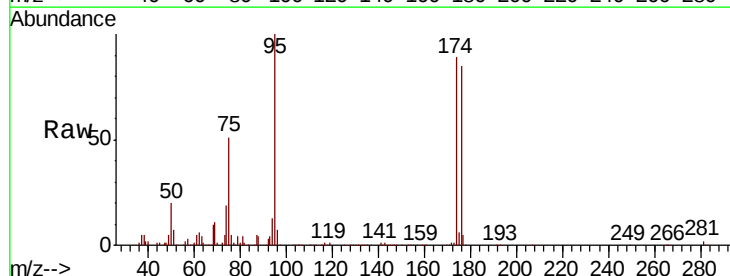
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



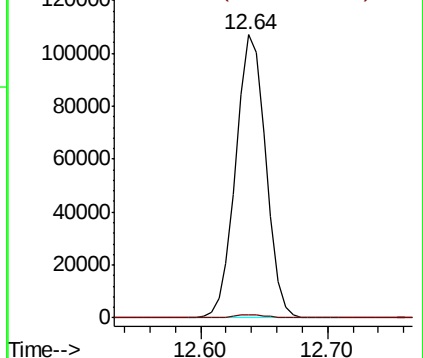
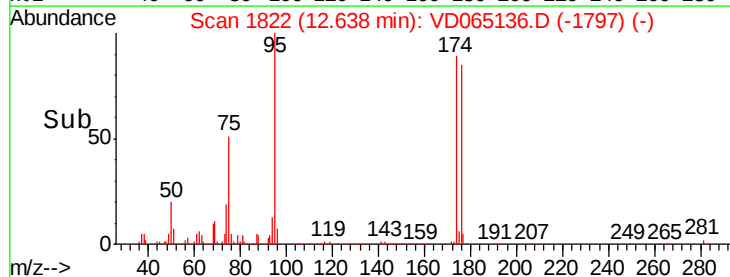
#76

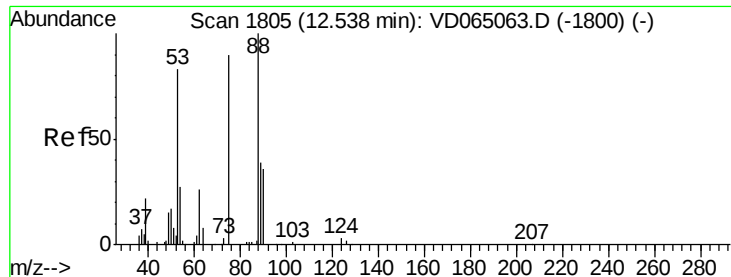
1,2,3-Trichloropropane
Concen: 60.856 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065136.D
Acq: 10 Feb 2020 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 121.707 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065136.D

Acq: 10 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

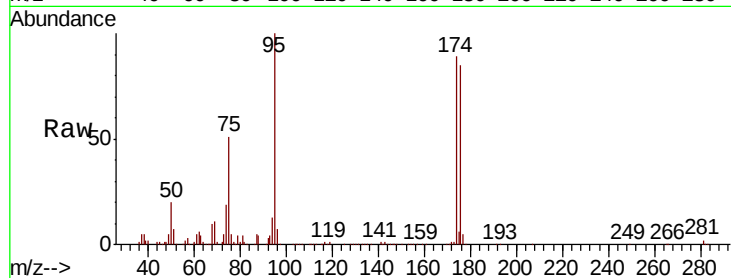
Tot Ion: 75 Resp: 175791

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

