

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065239.D
 Acq On : 19 Feb 2020 15:24
 Operator : VA/SY
 Sample : L1526-04
 Misc : 8.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

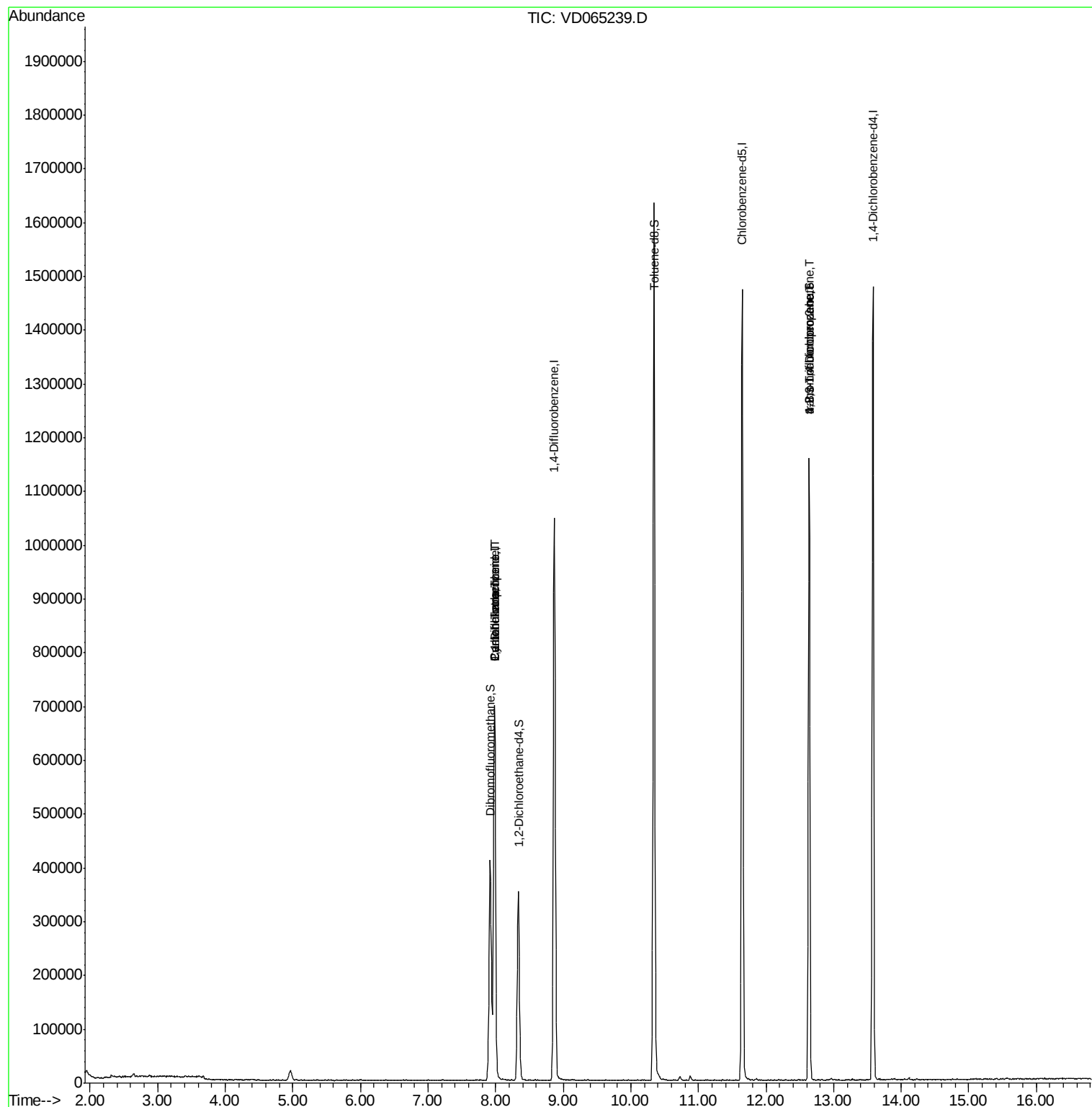
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	539744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	911738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	858078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	403054	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	280704	57.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.62%	
35) Dibromofluoromethane	7.92	113	293320	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	10.34	98	1104269	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	355738	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
Target Compounds						
13) Acrolein	4.00	56	57	Below Cal	#	14
20) Methylene Chloride	4.96	84	13154	Below Cal		85
31) Cyclohexane	7.98	56	10793	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	39290	4.429	ug/l #	49
38) Carbon Tetrachloride	7.99	117	51429	5.695	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	178961	52.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178961	112.678	ug/l #	11

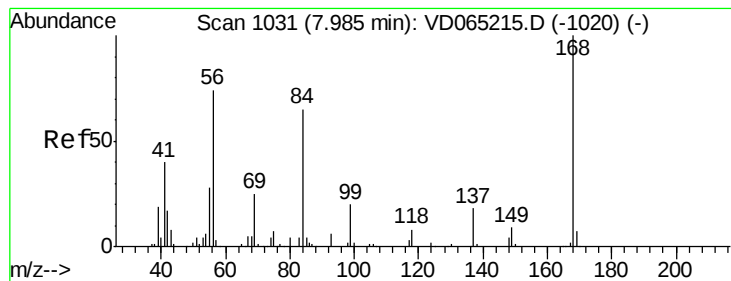
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065239.D

Acq: 19 Feb 2020 15:24

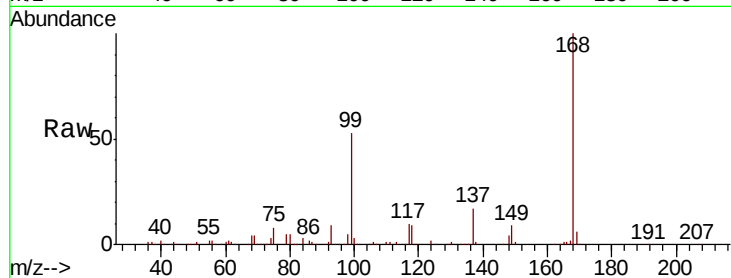
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 539744

Ion Ratio Lower Upper

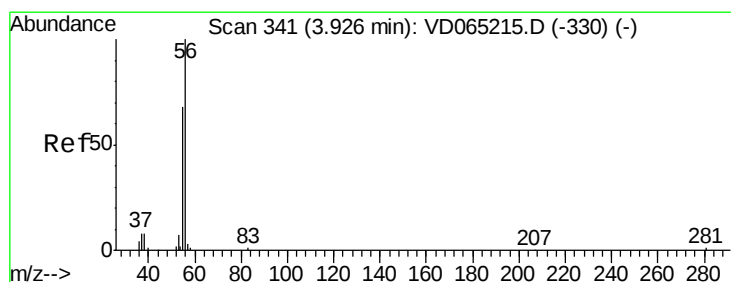
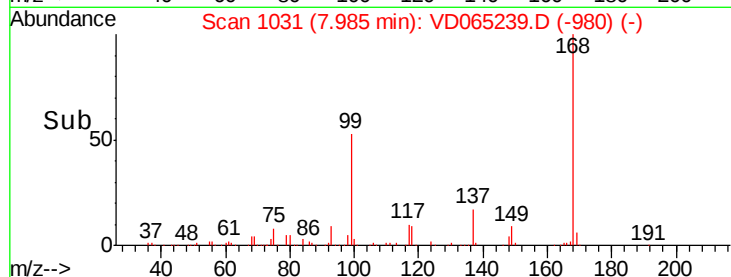
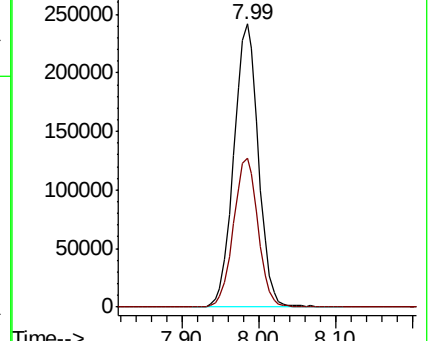
168 100

99 52.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 4.00 min Scan# 353

Delta R.T. 0.07 min

Lab File: VD065239.D

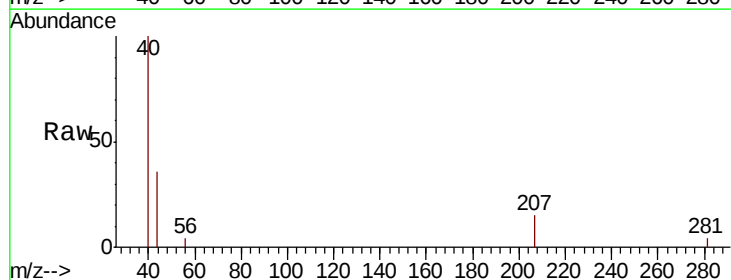
Acq: 19 Feb 2020 15:24

Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

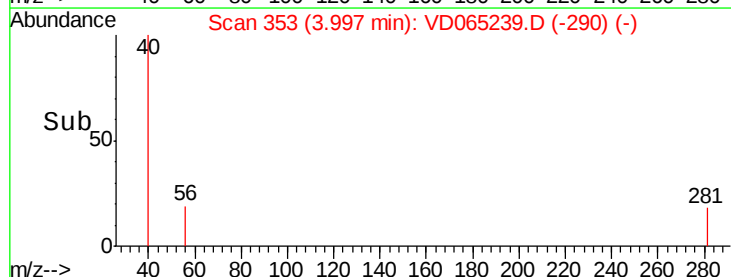
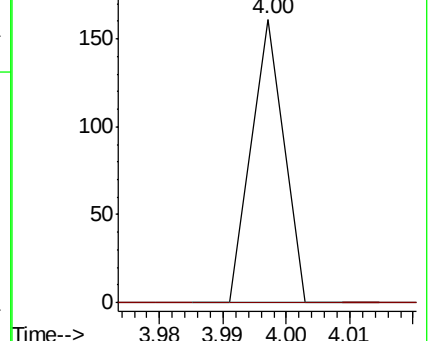
56 100

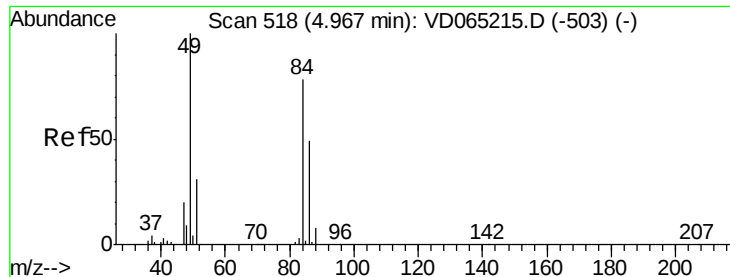
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

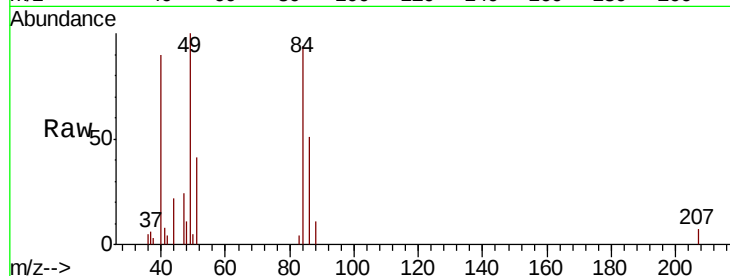




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065239.D
Acq: 19 Feb 2020 15:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	84	Resp	13154
Ion	Ratio	Lower	Upper
84	100		
49	106.3	103.1	154.7
51	43.3	31.7	47.5
86	54.6	50.9	76.3



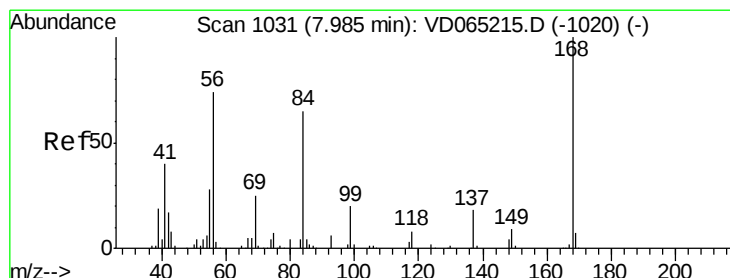
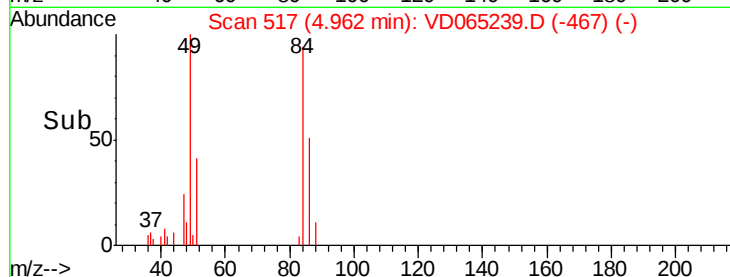
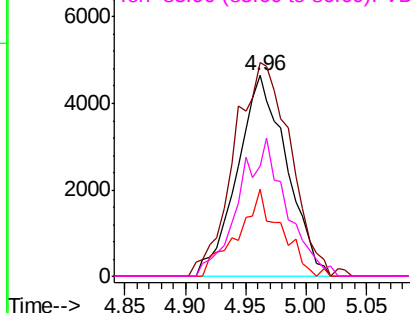
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

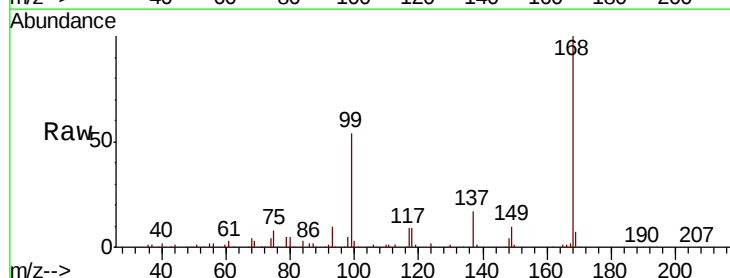
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065239.D
Acq: 19 Feb 2020 15:24

Tgt Ion	56	Resp	10793
Ion	Ratio	Lower	Upper
56	100		
69	174.4	27.4	41.0#
84	165.4	71.1	106.7#

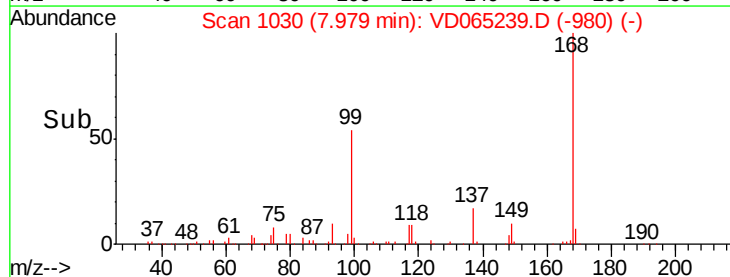
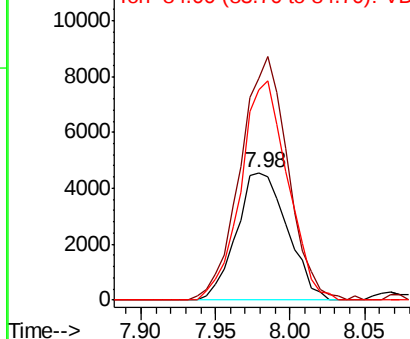


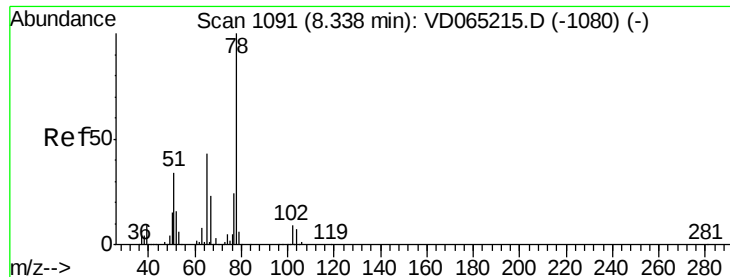
Abundance

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

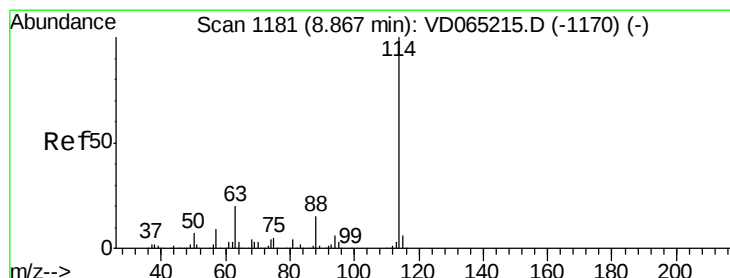
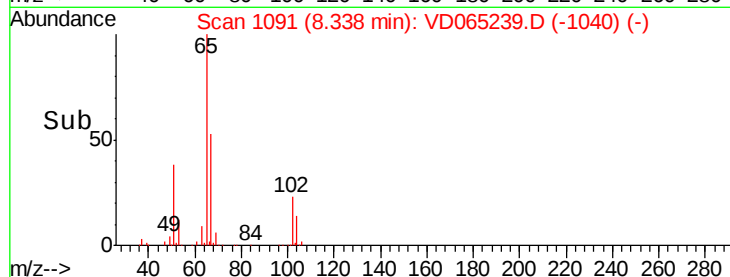
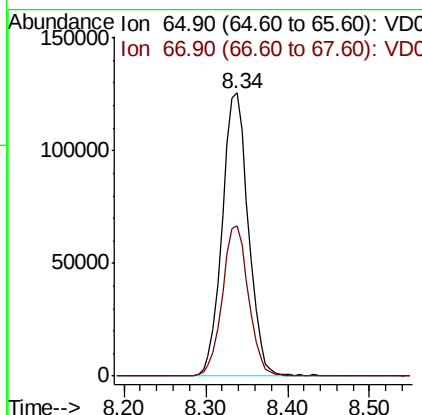
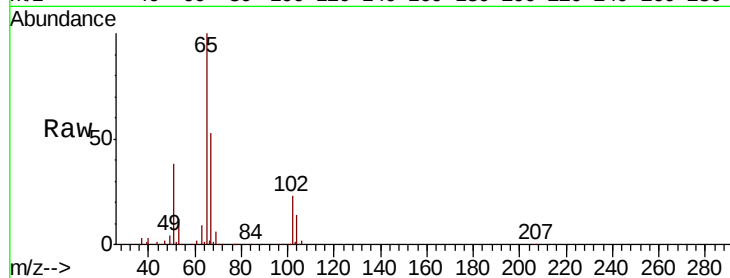




#33
 1,2-Dichloroethane-d4
 Concen: 57.810 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065239.D
 Acq: 19 Feb 2020 15:24

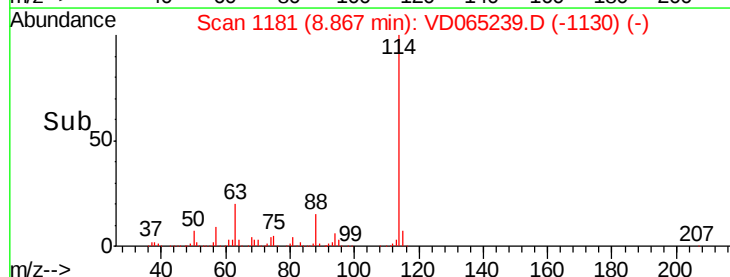
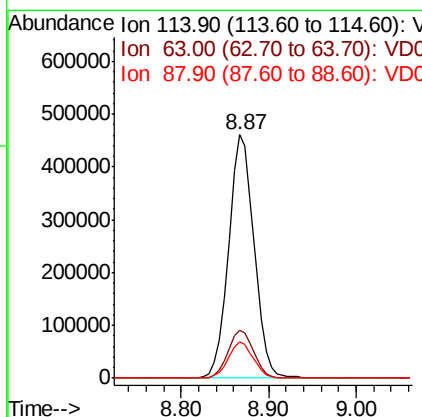
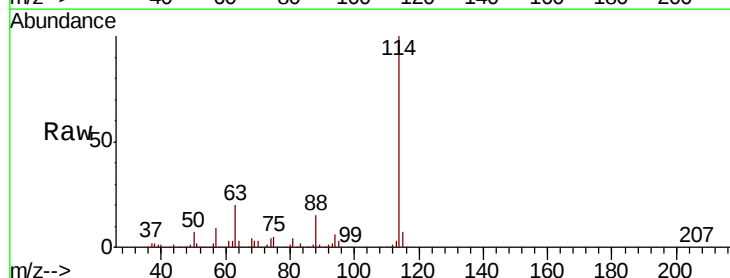
Instrument :
 MSVOA_D
 ClientSampleId :

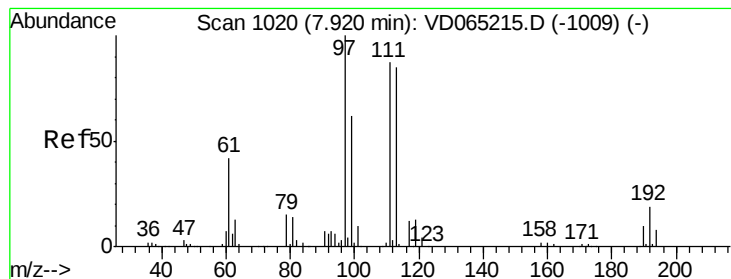
Tot Ion: 65 Resp: 280704
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065239.D
 Acq: 19 Feb 2020 15:24

Tgt Ion: 114 Resp: 911738
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.763 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065239.D

Acq: 19 Feb 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

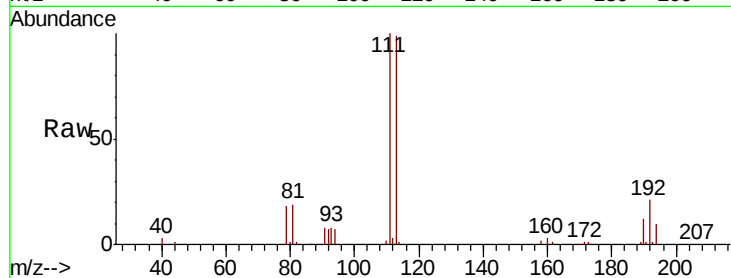
Tot Ion:113 Resp: 293320

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

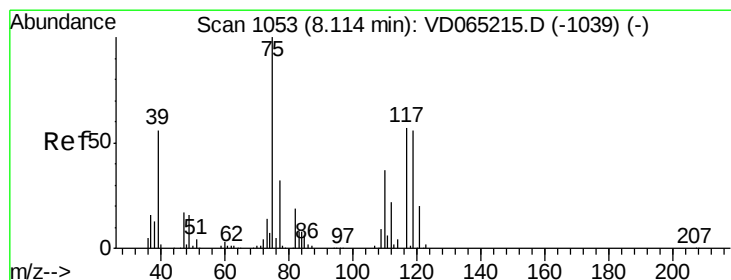
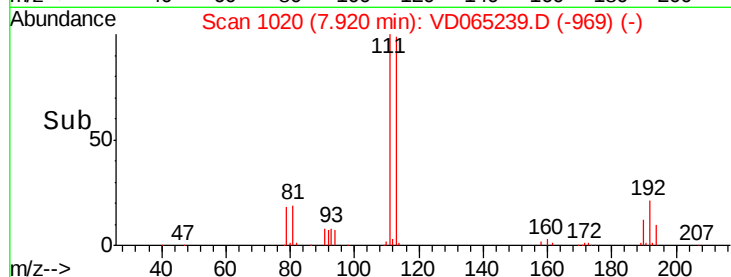
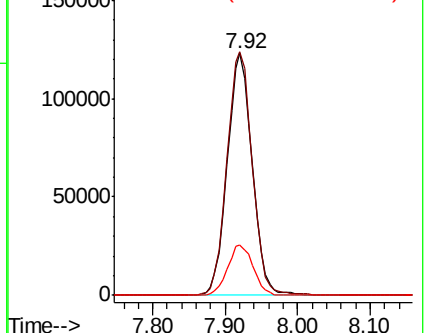
192 21.2 17.3 25.9



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: 4.429 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065239.D

Acq: 19 Feb 2020 15:24

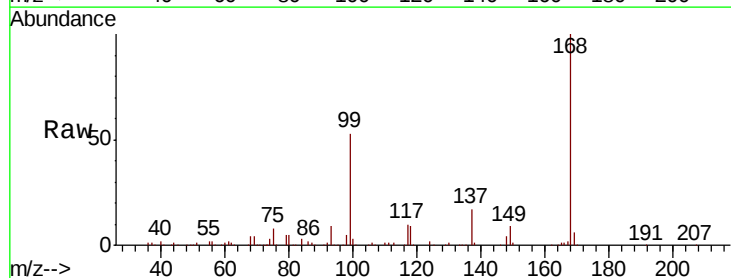
Tgt Ion: 75 Resp: 39290

Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

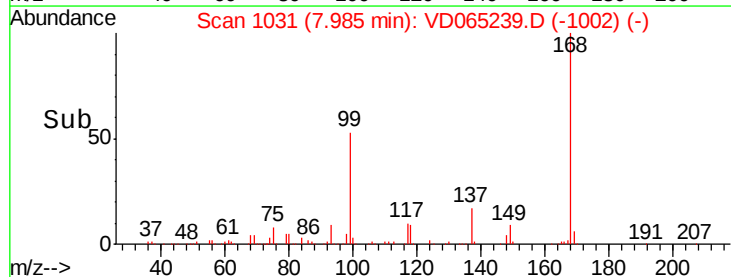
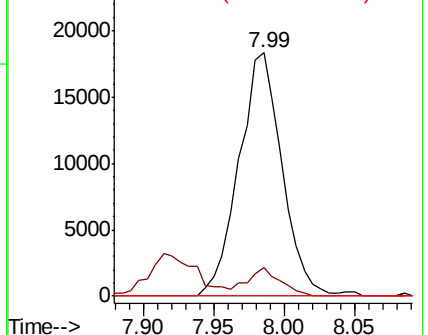
77 0.0 25.1 37.7#

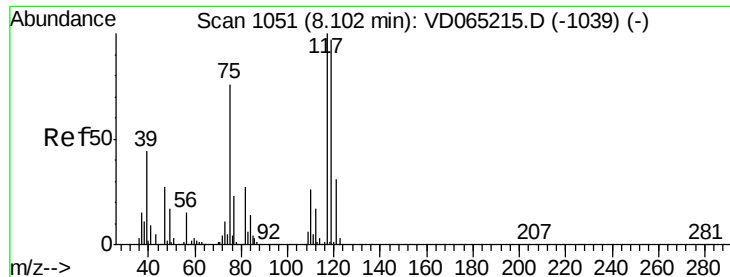


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

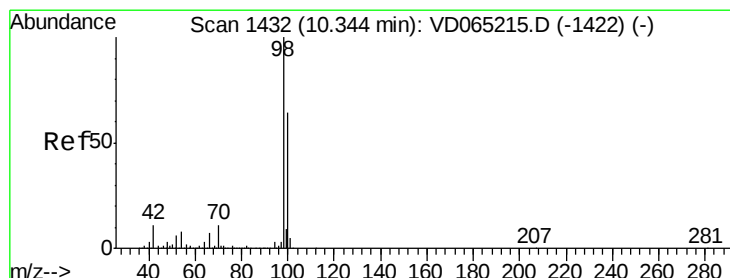
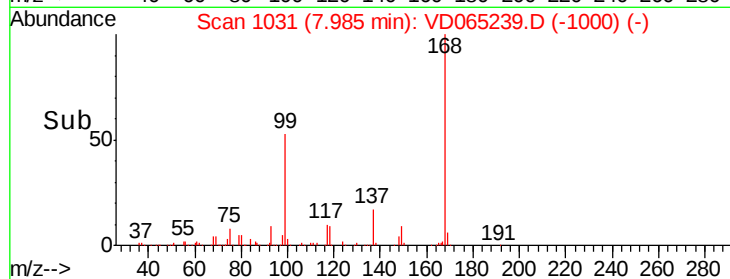
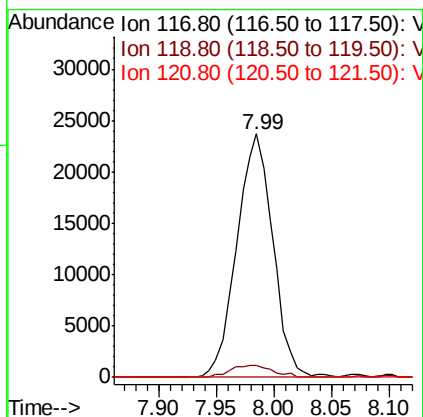
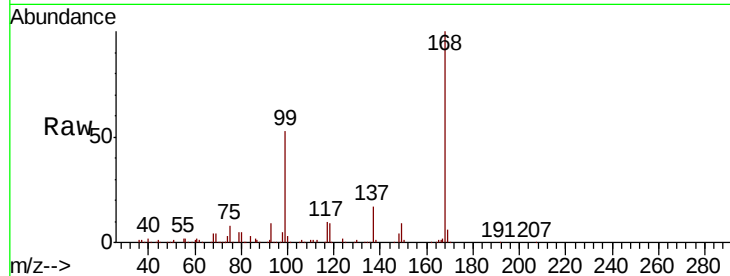




#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065239.D
Acq: 19 Feb 2020 15:24

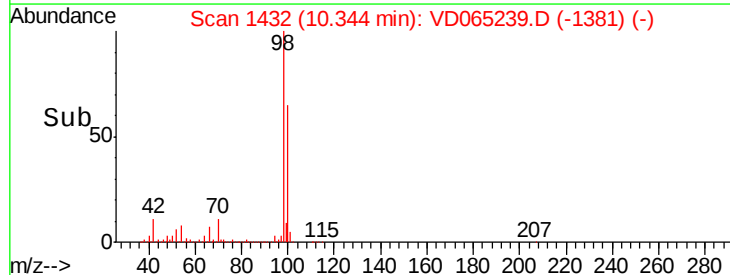
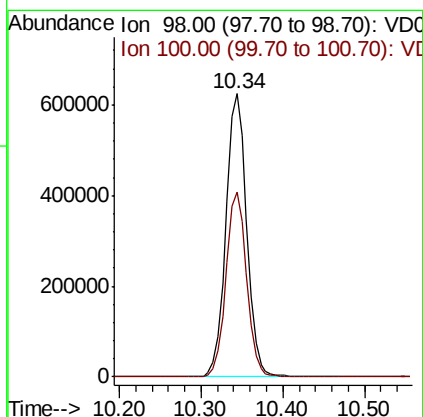
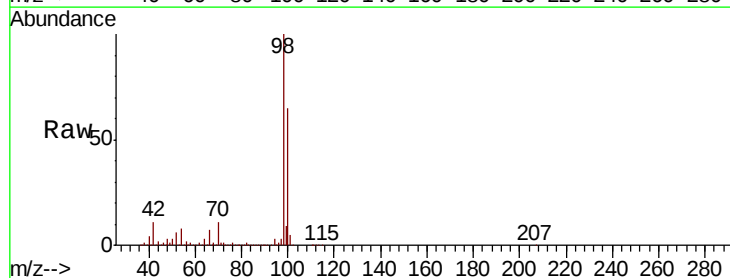
Instrument :
MSVOA_D
ClientSampleId :

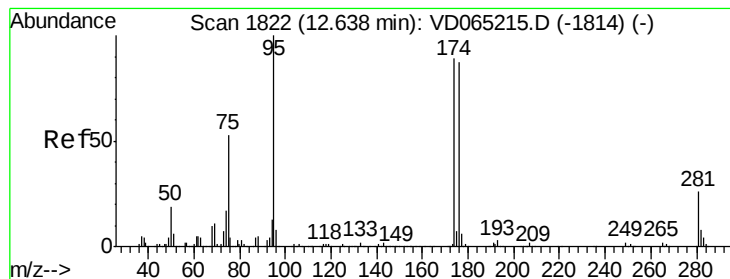
Tot Ion:117 Resp: 51429
Ion Ratio Lower Upper
117 100
119 5.0 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065239.D
Acq: 19 Feb 2020 15:24

Tgt Ion: 98 Resp: 1104269
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 52.838 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065239.D

Acq: 19 Feb 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

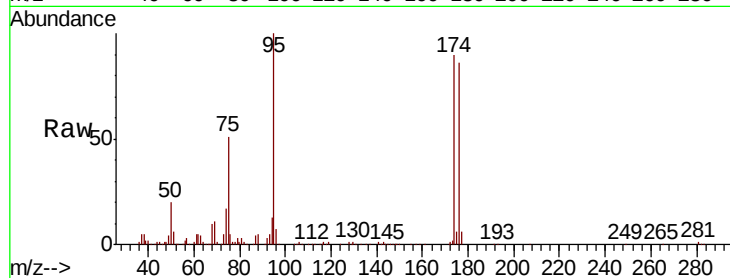
Tot Ion: 95 Resp: 355738

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.0

176 86.9 0.0 174.4

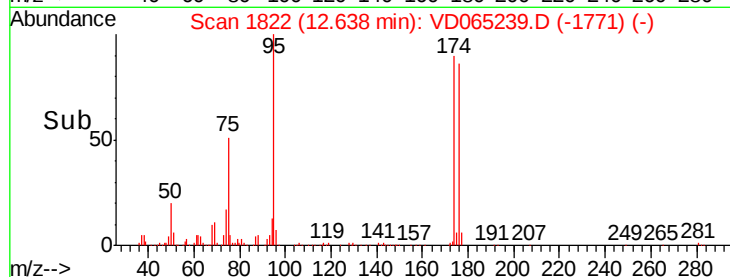


Abundance Ion 94.90 (94.60 to 95.60): V

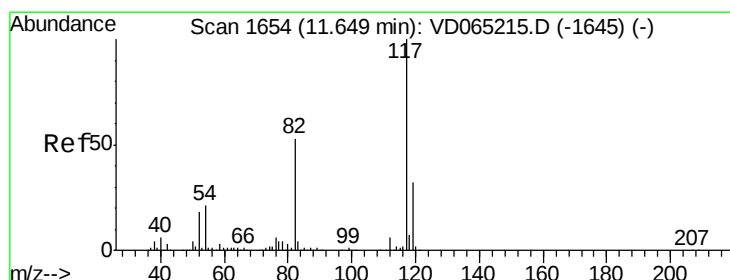
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time--> 12.55 12.60 12.65 12.70



Time--> 12.55 12.60 12.65 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065239.D

Acq: 19 Feb 2020 15:24

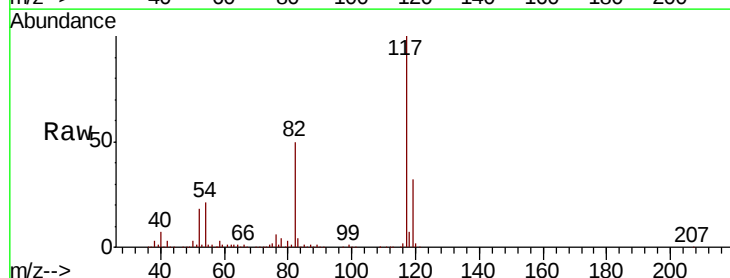
Tgt Ion: 117 Resp: 858078

Ion Ratio Lower Upper

117 100

82 50.1 42.7 64.1

119 32.3 25.5 38.3

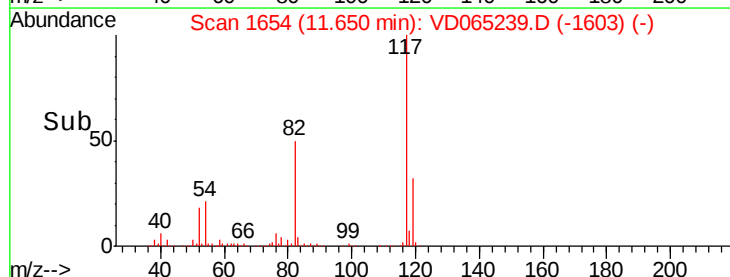


Abundance Ion 116.90 (116.60 to 117.60): V

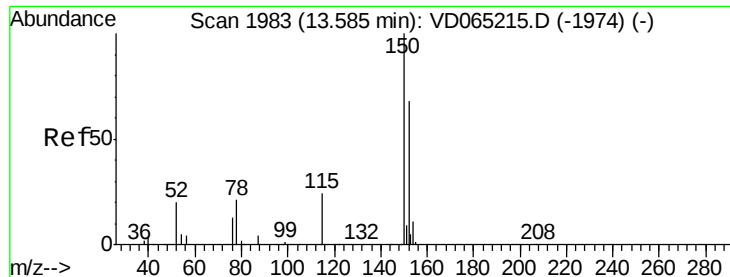
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time--> 11.60 11.70 11.80



Time--> 11.60 11.70 11.80

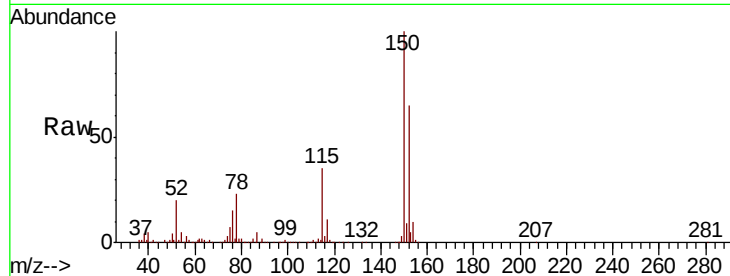


#72

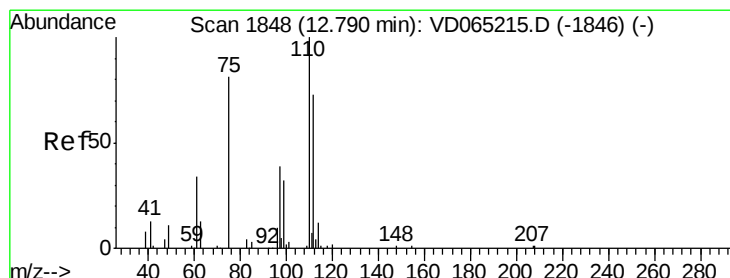
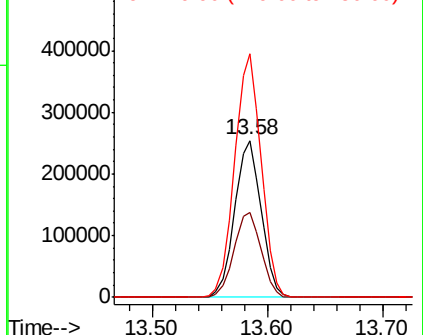
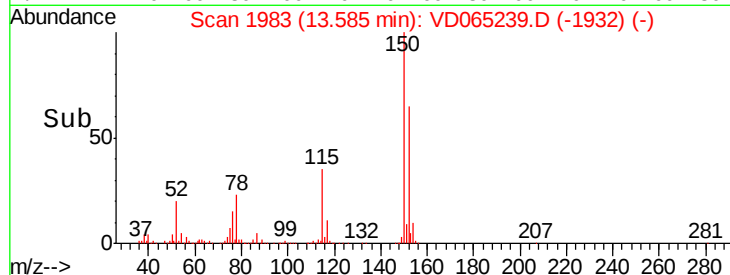
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065239.D
Acq: 19 Feb 2020 15:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 403054
Ion Ratio Lower Upper
152 100
115 55.5 27.6 82.8
150 155.6 0.0 347.4



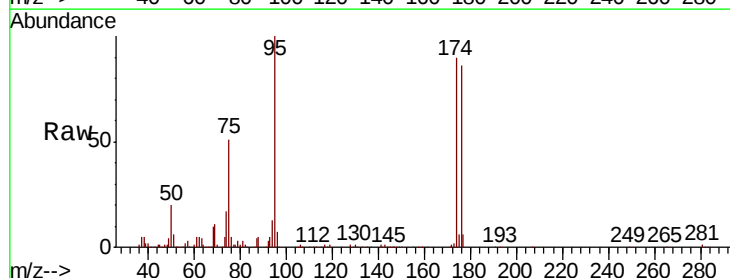
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



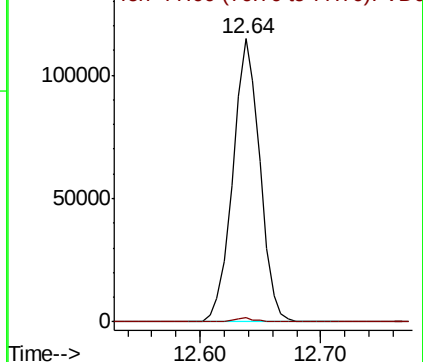
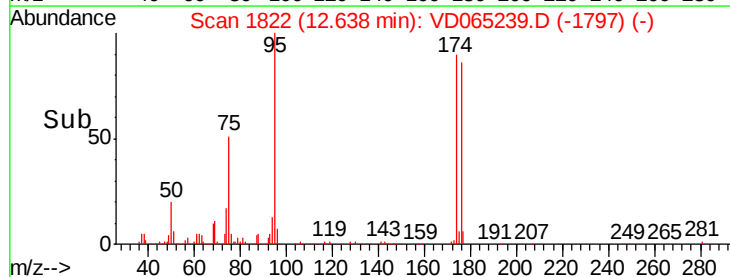
#76

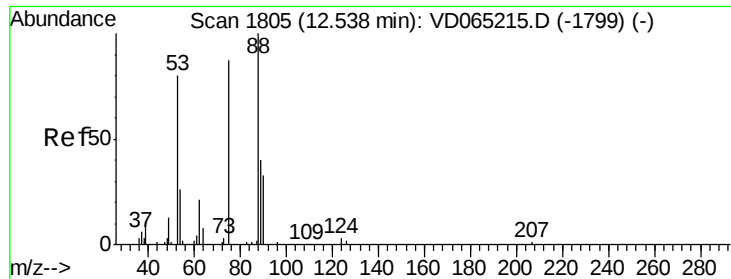
1,2,3-Trichloropropane
Concen: 52.186 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065239.D
Acq: 19 Feb 2020 15:24

Tgt Ion: 75 Resp: 178961
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: 112.678 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065239.D

Acq: 19 Feb 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 178961

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#

