

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065240.D
 Acq On : 19 Feb 2020 15:53
 Operator : VA/SY
 Sample : L1526-06
 Misc : 6.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:42:01 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

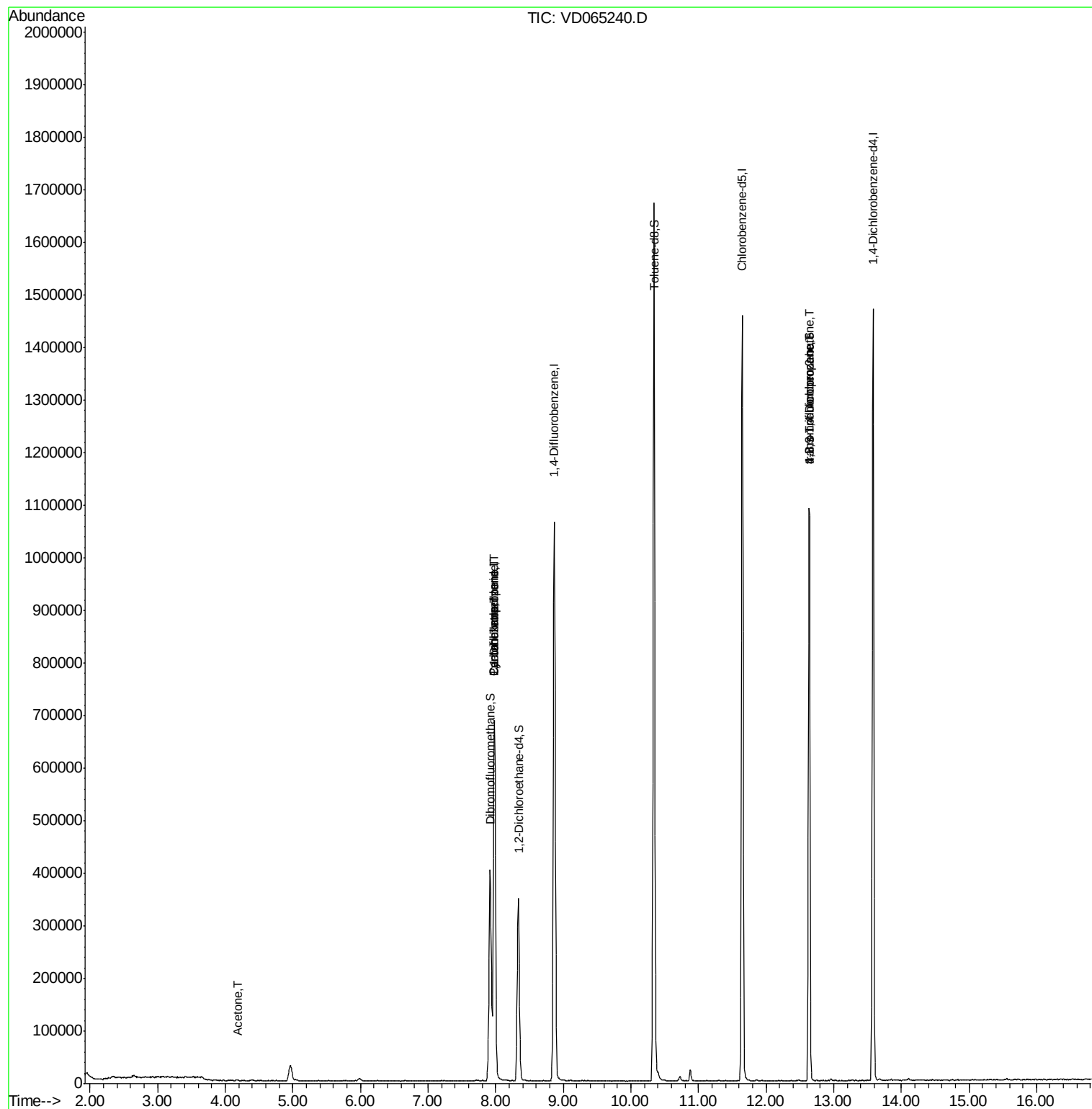
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	539791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	921662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	855289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	277396	57.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.24%	
35) Dibromofluoromethane	7.92	113	289929	51.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.18%	
50) Toluene-d8	10.34	98	1117921	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.64	95	345669	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
Target Compounds						
13) Acrolein	3.66	56	80	Below Cal	#	68
16) Acetone	4.18	43	2051	1.728	ug/l	92
20) Methylene Chloride	4.97	84	23772	Below Cal		95
31) Cyclohexane	7.98	56	10355	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	39462	4.400	ug/l #	49
38) Carbon Tetrachloride	7.98	117	51506	5.642	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	171630	50.943	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171630	109.995	ug/l #	11

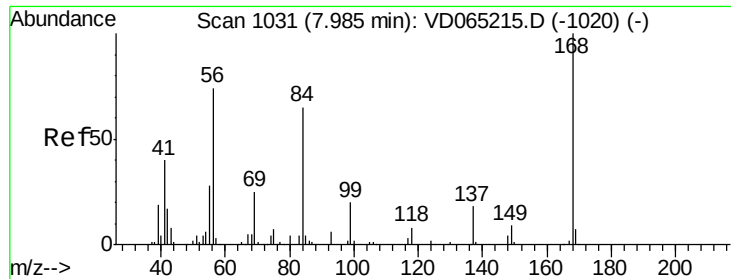
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065240.D

Acq: 19 Feb 2020 15:53

Instrument :

MSVOA_D

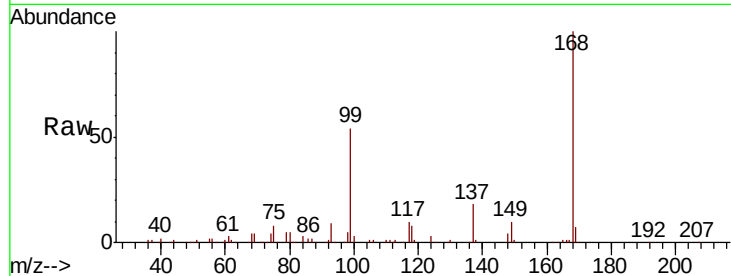
ClientSampleId :

Tot Ion:168 Resp: 539791

Ion Ratio Lower Upper

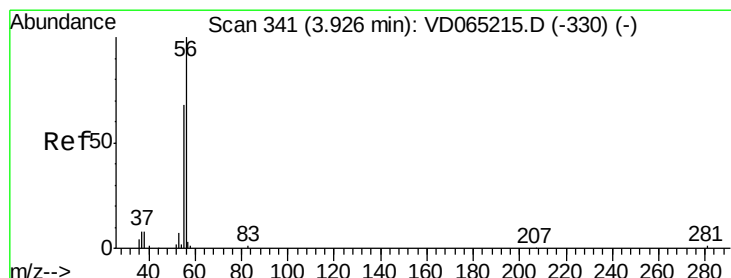
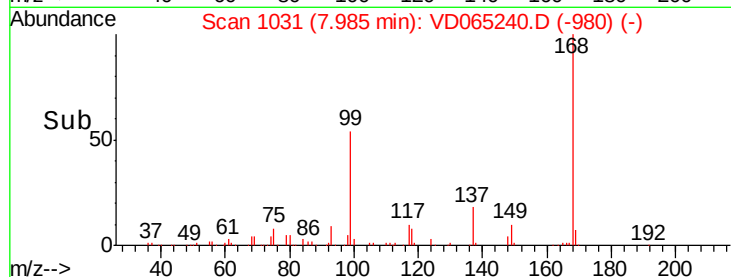
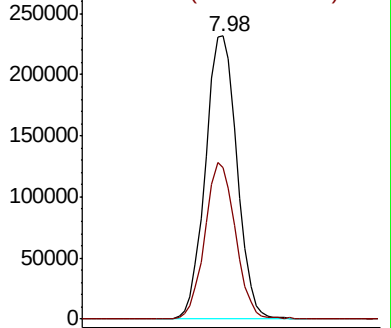
168 100

99 53.6 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: 3.66 min Scan# 295

Delta R.T. -0.27 min

Lab File: VD065240.D

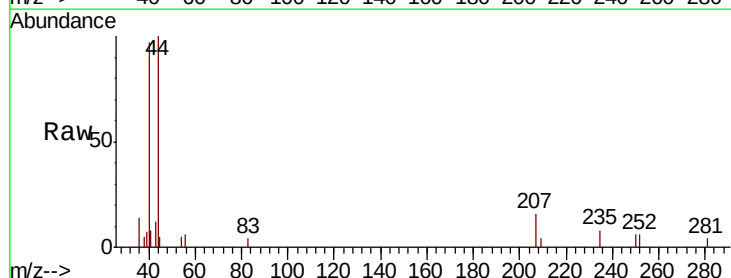
Acq: 19 Feb 2020 15:53

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

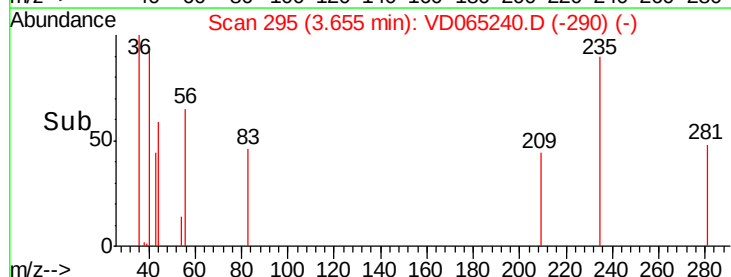
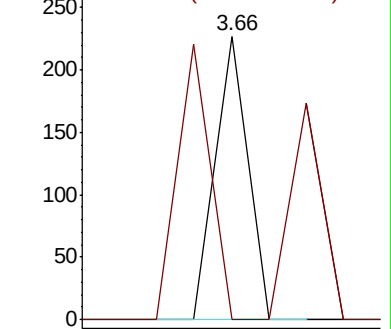
56 100

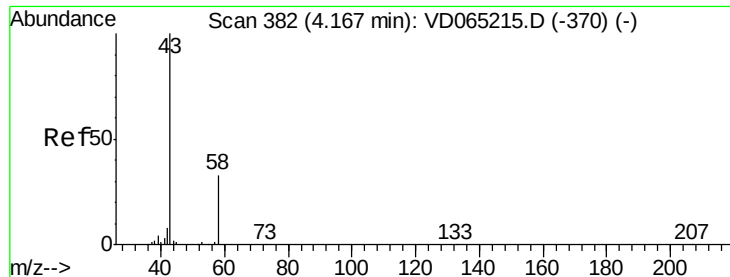
55 97.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.728 ug/l

RT: 4.18 min Scan# 385

Delta R.T. 0.02 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

Instrument :

MSVOA_D

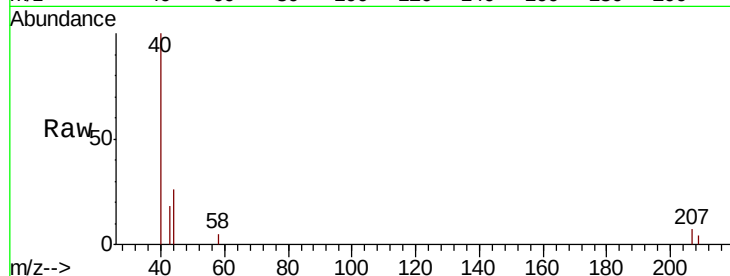
ClientSampleId :

Tot Ion: 43 Resp: 2051

Ion Ratio Lower Upper

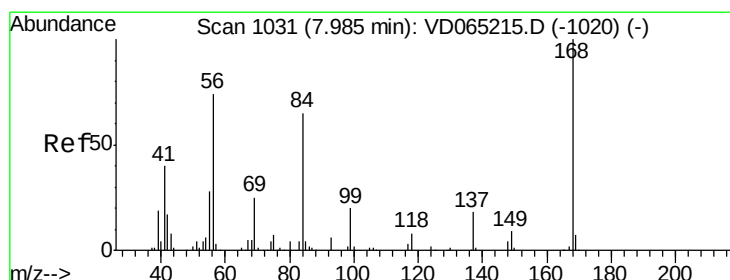
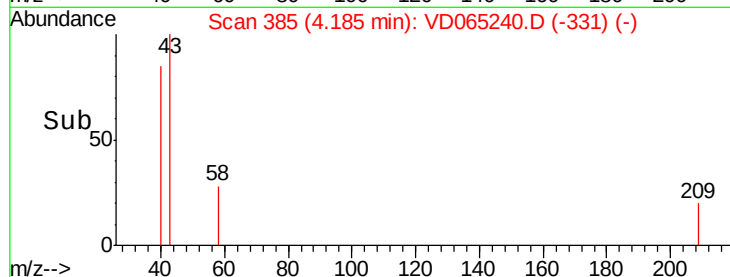
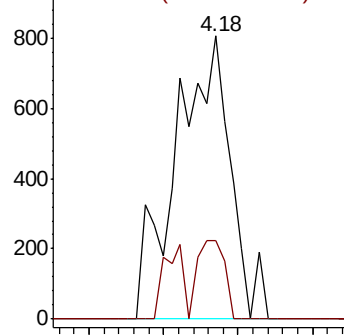
43 100

58 28.0 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

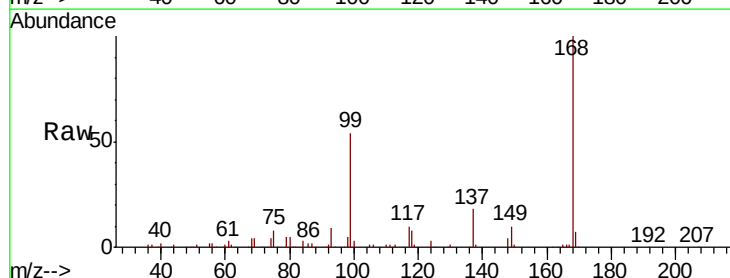
Tgt Ion: 56 Resp: 10355

Ion Ratio Lower Upper

56 100

69 180.0 27.4 41.0#

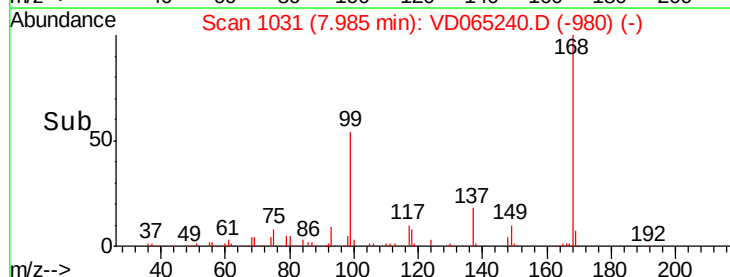
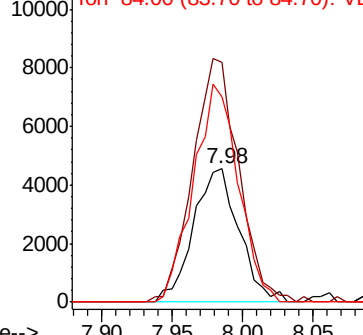
84 153.8 71.1 106.7#

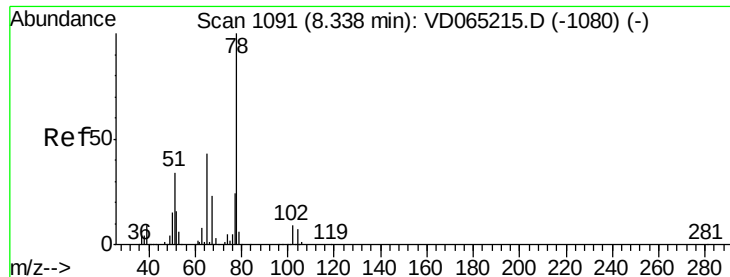


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

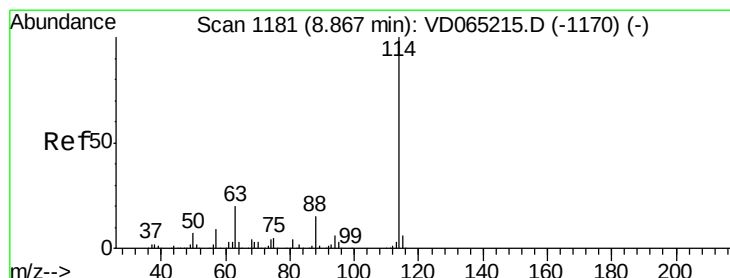
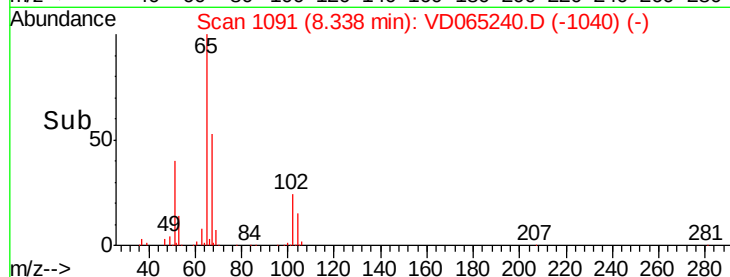
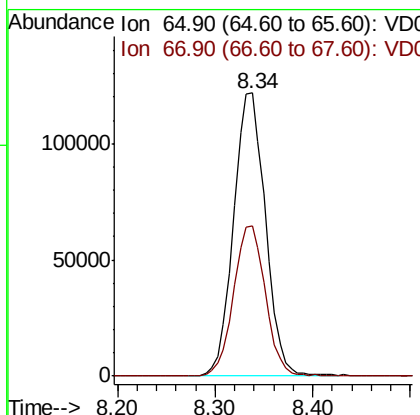
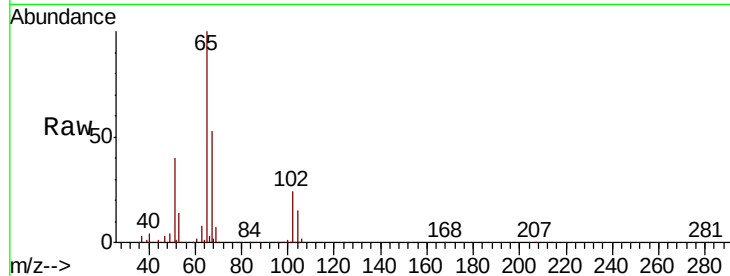




#33
 1,2-Dichloroethane-d4
 Concen: 57.124 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065240.D
 Acq: 19 Feb 2020 15:53

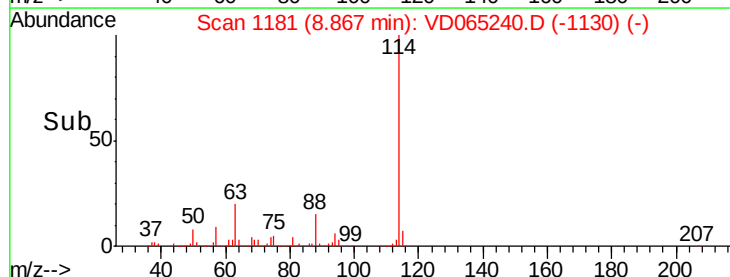
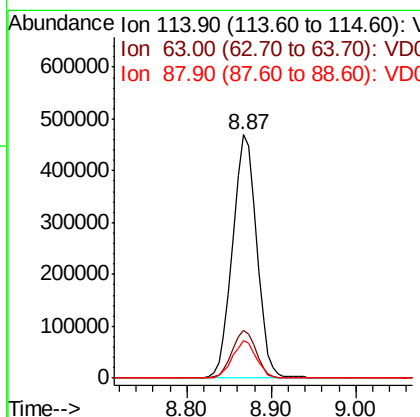
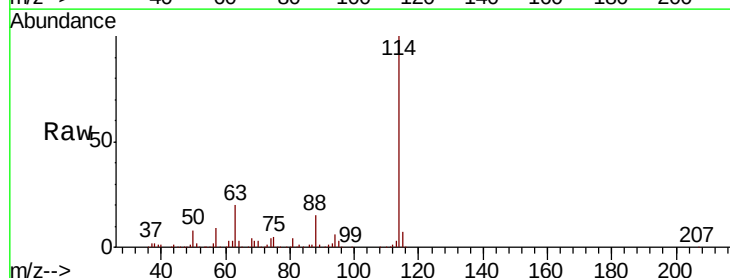
Instrument :
 MSVOA_D
 ClientSampleId :

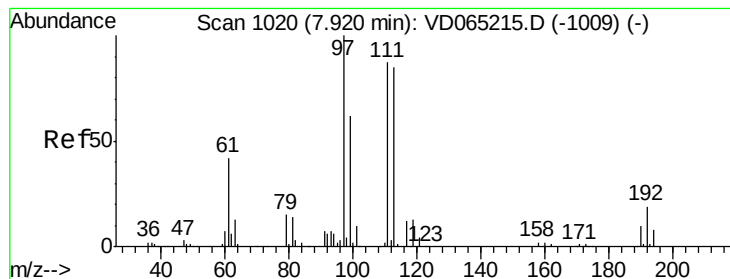
Tot Ion: 65 Resp: 277396
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065240.D
 Acq: 19 Feb 2020 15:53

Tgt Ion: 114 Resp: 921662
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.591 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

Instrument :
MSVOA_D
ClientSampled :

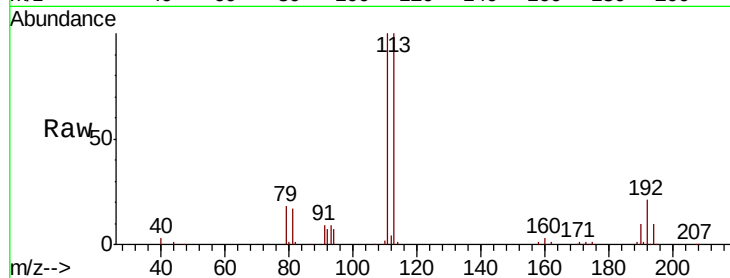
Tot Ion:113 Resp: 289929

Ion Ratio Lower Upper

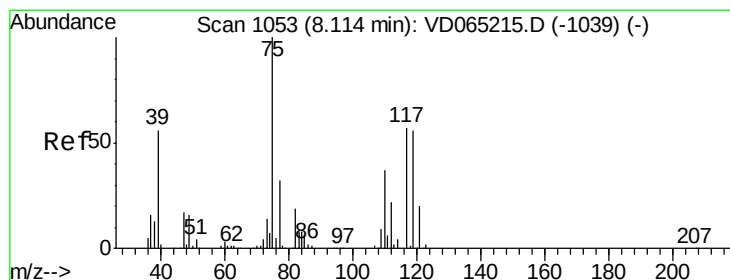
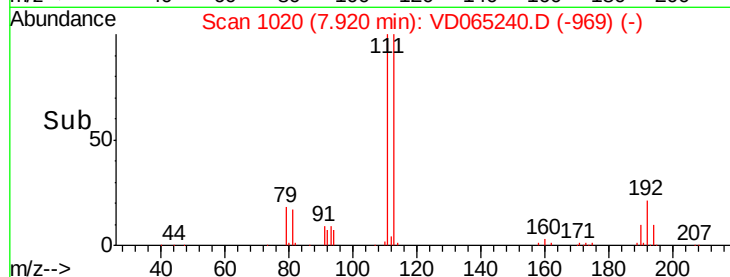
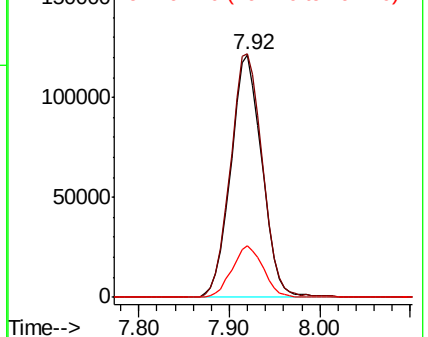
113 100

111 103.4 82.9 124.3

192 21.3 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: 4.400 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

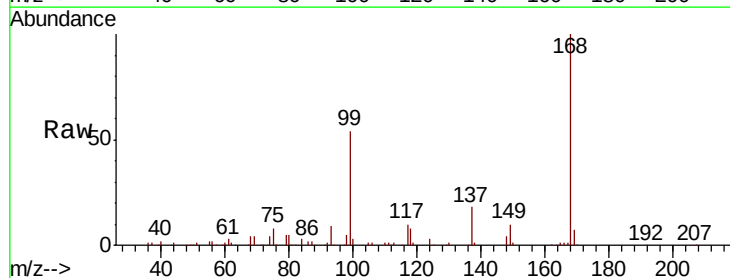
Tgt Ion: 75 Resp: 39462

Ion Ratio Lower Upper

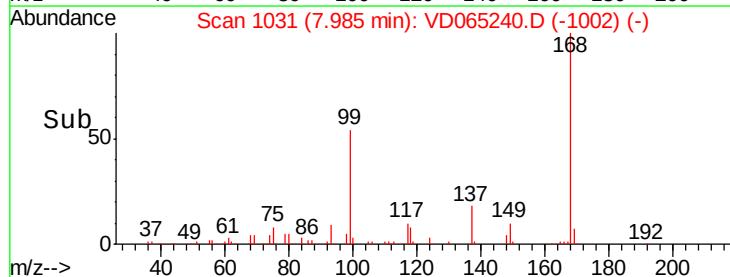
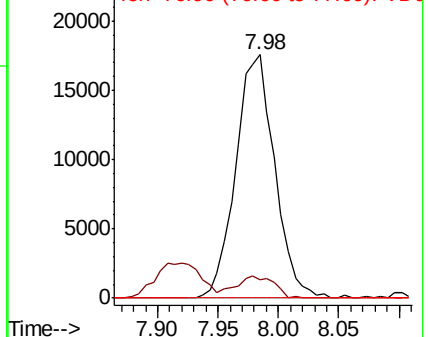
75 100

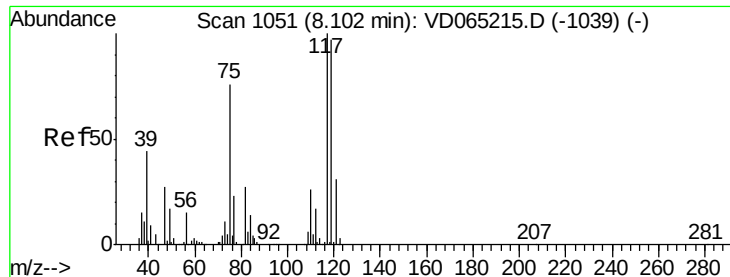
110 8.3 17.9 53.7#

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

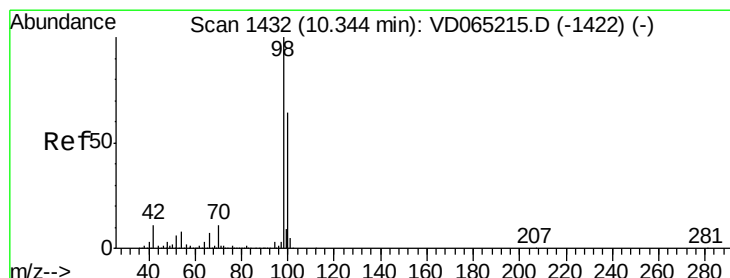
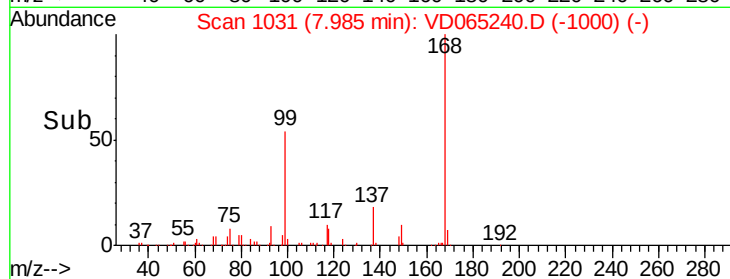
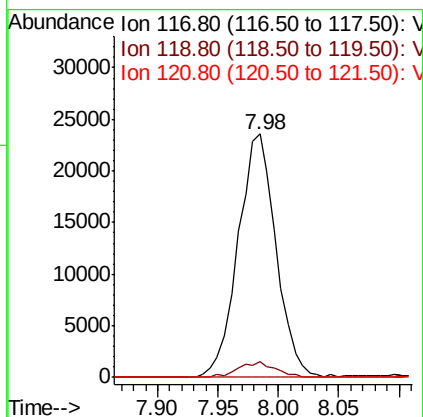
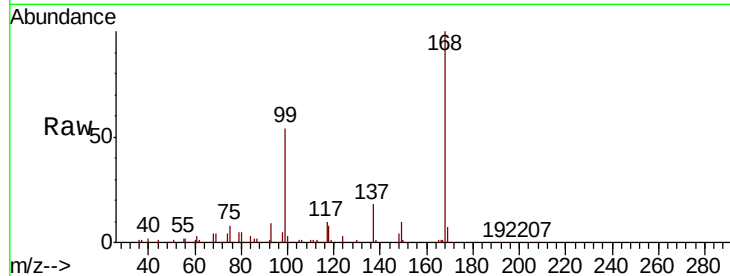




#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065240.D
Acq: 19 Feb 2020 15:53

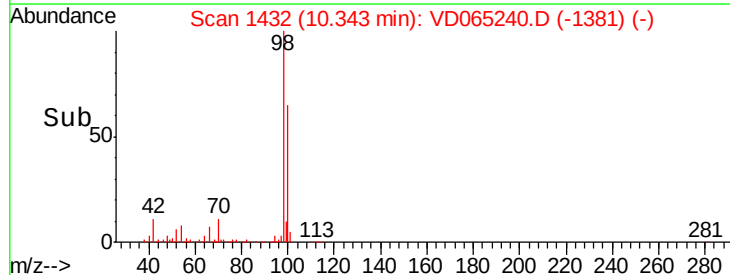
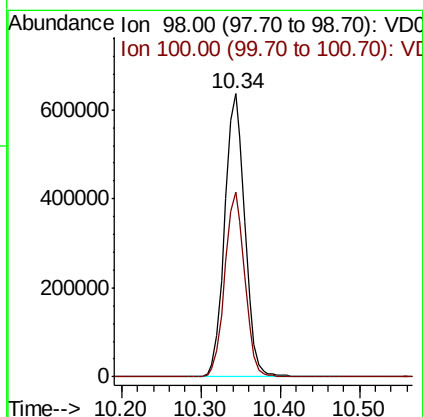
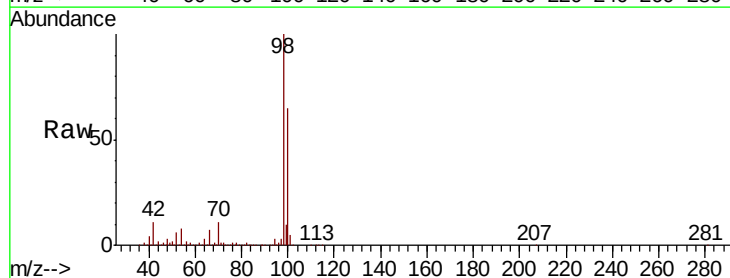
Instrument :
MSVOA_D
ClientSampleId :

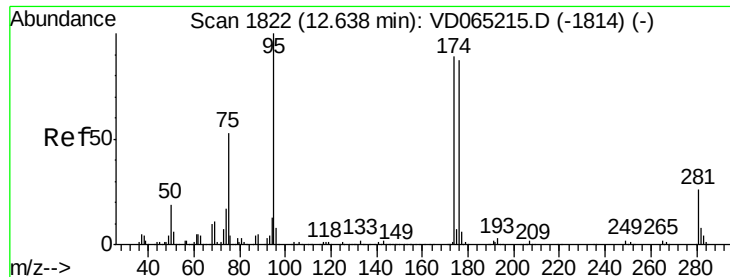
Tot Ion:117 Resp: 51506
Ion Ratio Lower Upper
117 100
119 6.5 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.036 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065240.D
Acq: 19 Feb 2020 15:53

Tgt Ion: 98 Resp: 1117921
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 50.790 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

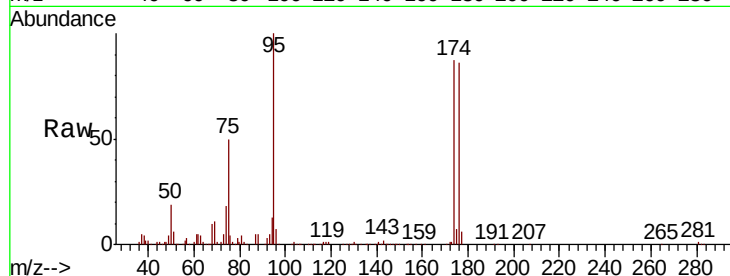
Tot Ion: 95 Resp: 345669

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.0

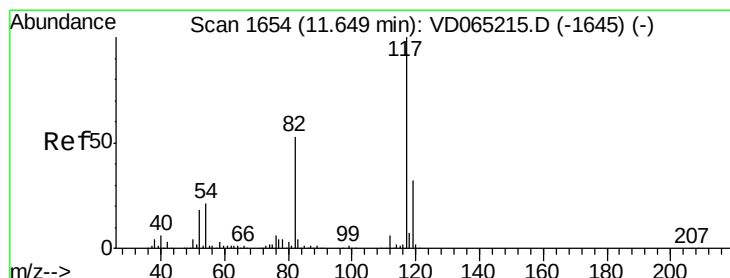
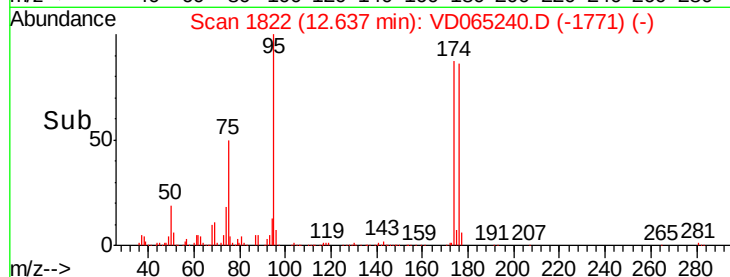
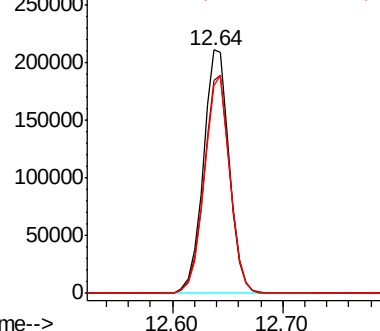
176 87.8 0.0 174.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

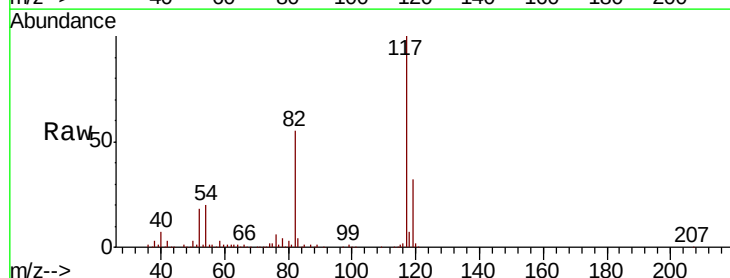
Tgt Ion: 117 Resp: 855289

Ion Ratio Lower Upper

117 100

82 55.2 42.7 64.1

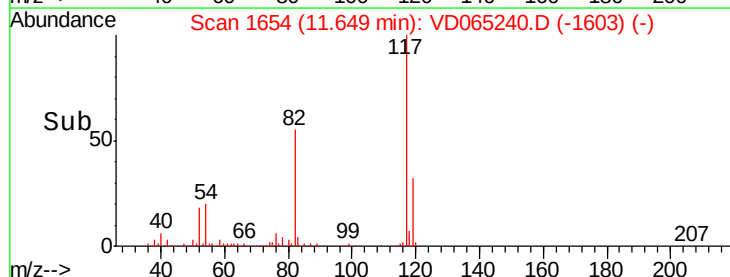
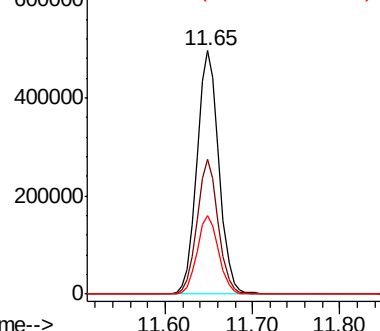
119 32.2 25.5 38.3

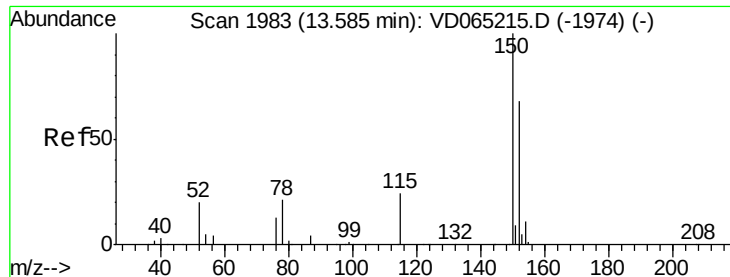


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

Instrument :

MSVOA_D

ClientSampled :

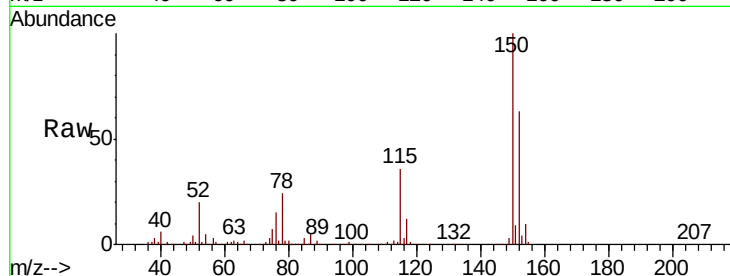
Tot Ion:152 Resp: 395975

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.8

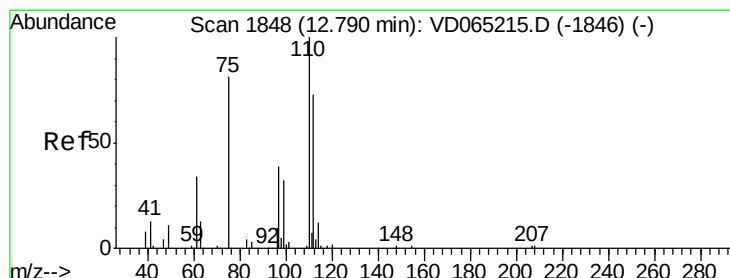
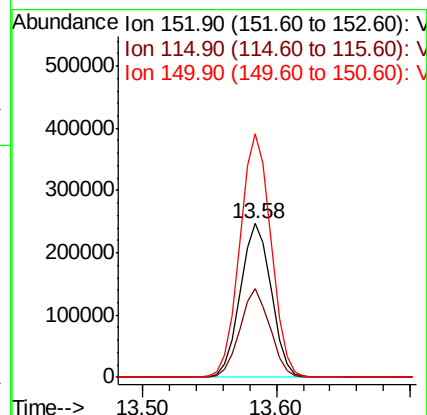
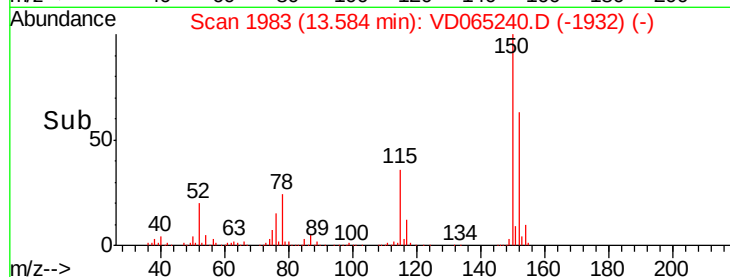
150 159.4 0.0 347.4



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: 50.943 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065240.D

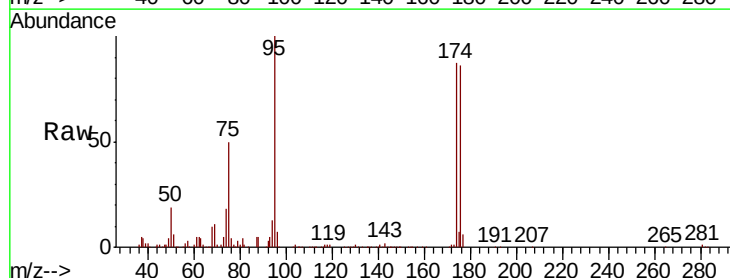
Acq: 19 Feb 2020 15:53

Tgt Ion: 75 Resp: 171630

Ion Ratio Lower Upper

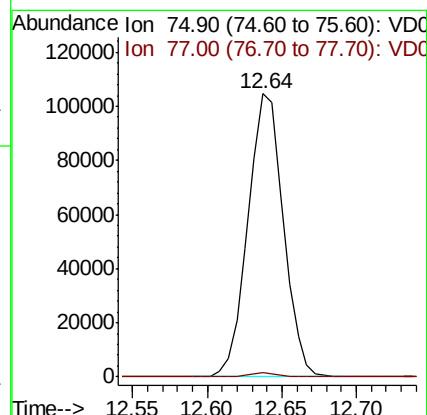
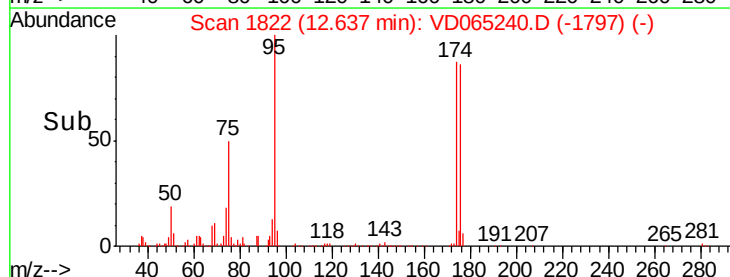
75 100

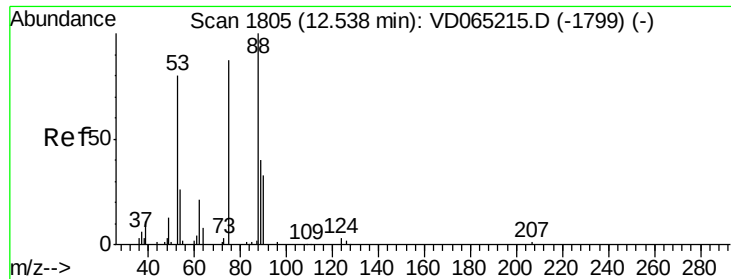
77 1.3 0.0 0.0#



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: 109.995 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065240.D

Acq: 19 Feb 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

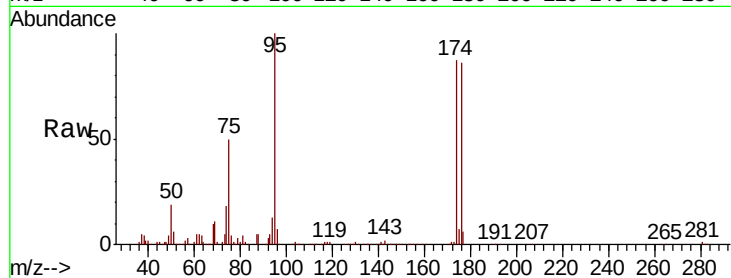
Tot Ion: 75 Resp: 171630

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#



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

