

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065400.D
 Acq On : 03 Mar 2020 17:57
 Operator : VA/SY
 Sample : L1769-02
 Misc : 5.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 04:54:03 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

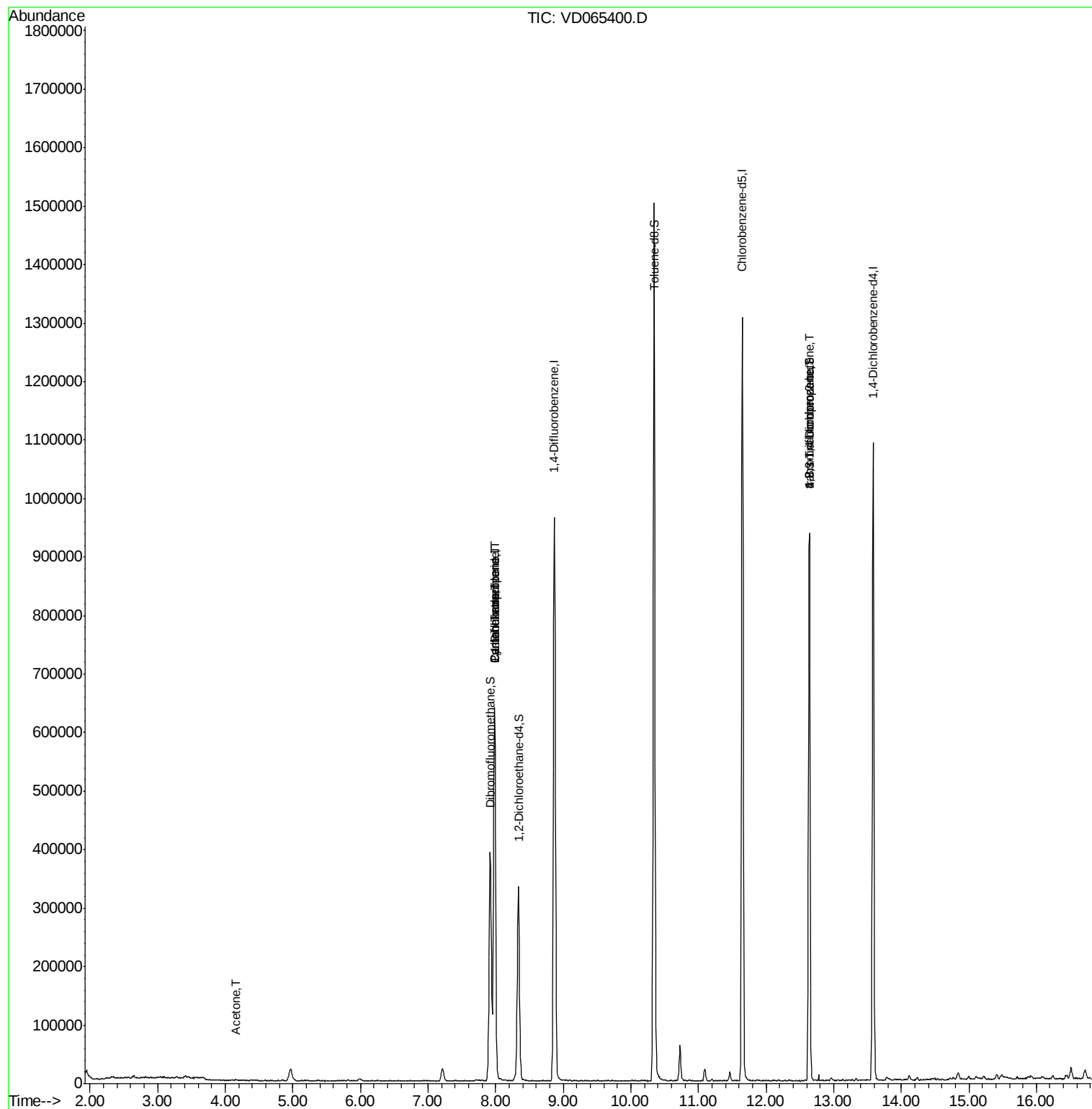
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	858748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	773487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305638	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	263412	58.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.12%	
35) Dibromofluoromethane	7.92	113	279616	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
50) Toluene-d8	10.34	98	1024140	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.64	95	296310	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	
Target Compounds						
					Qvalue	
13) Acrolein	3.70	56	59	Below Cal	#	14
16) Acetone	4.17	43	2144	1.933	ug/l #	87
20) Methylene Chloride	4.96	84	16037	Below Cal		88
31) Cyclohexane	7.98	56	9176	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	35654	4.267	ug/l #	50
38) Carbon Tetrachloride	7.98	117	46885	5.512	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	145529	55.963	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	145529	120.834	ug/l #	11

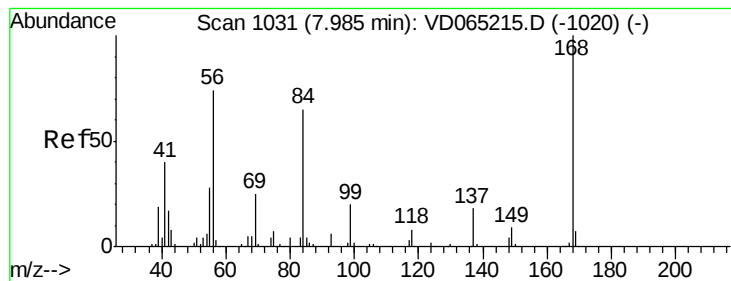
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 04 04:54:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
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: VD065400.D

Acq: 03 Mar 2020 17:57

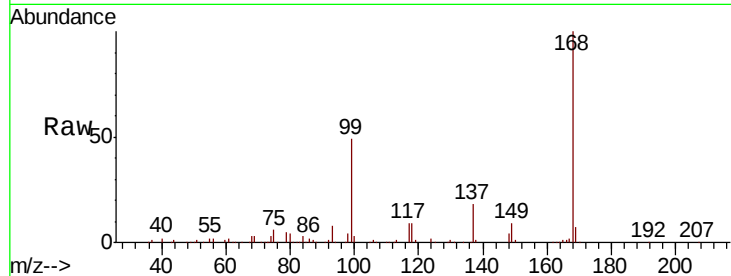
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 504328

Ion Ratio Lower Upper

168 100

99 49.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

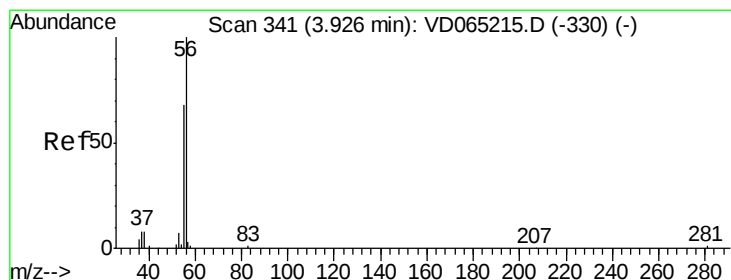
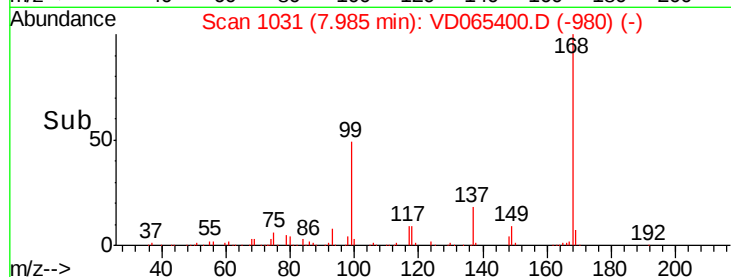
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.70 min Scan# 302

Delta R.T. -0.23 min

Lab File: VD065400.D

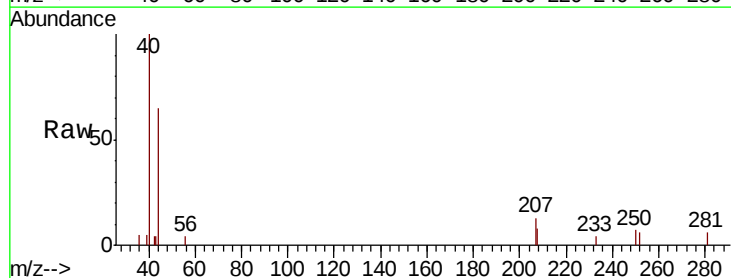
Acq: 03 Mar 2020 17:57

Tgt Ion: 56 Resp: 59

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

3.70

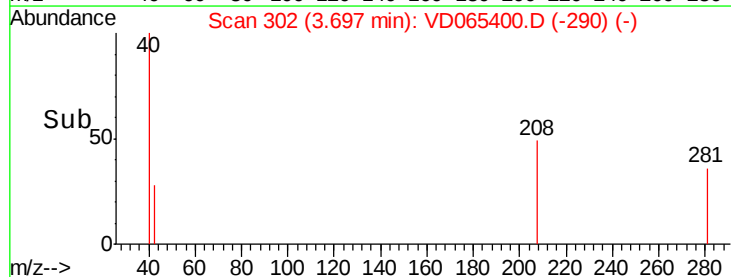
150

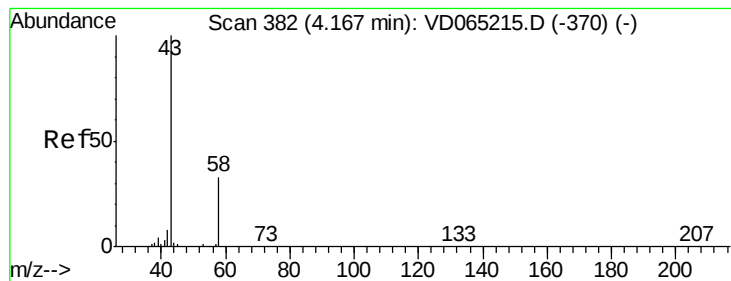
100

50

0

Time-->





#16

Acetone

Concen: 1.933 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

Instrument :

MSVOA_D

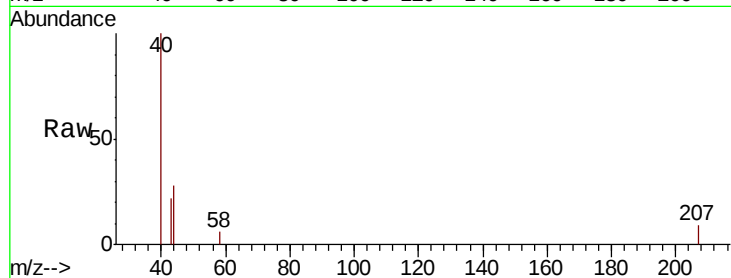
ClientSampled :

Tot Ion: 43 Resp: 2144

Ion Ratio Lower Upper

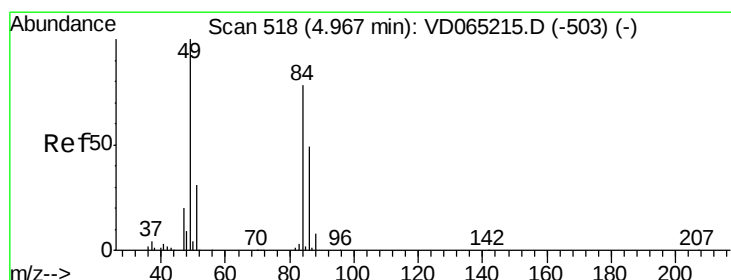
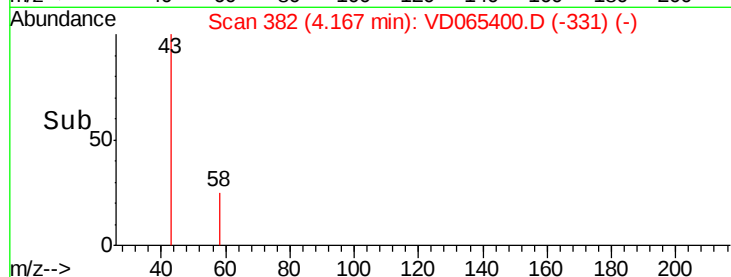
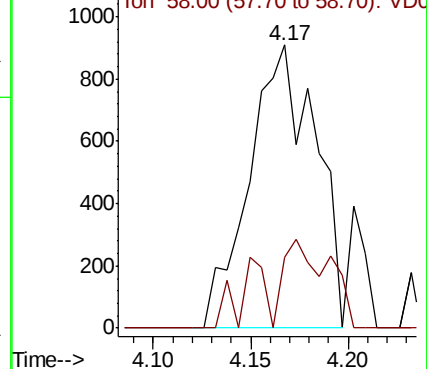
43 100

58 25.3 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

Tgt Ion: 84 Resp: 16037

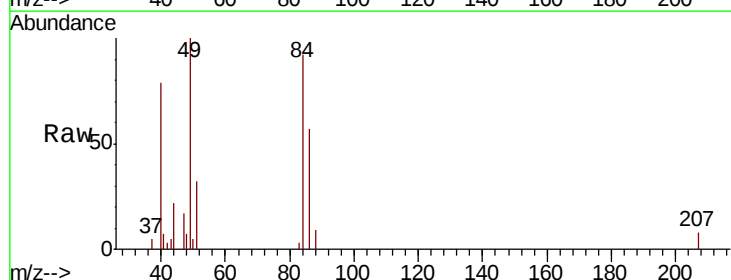
Ion Ratio Lower Upper

84 100

49 108.6 103.1 154.7

51 34.8 31.7 47.5

86 62.0 50.9 76.3

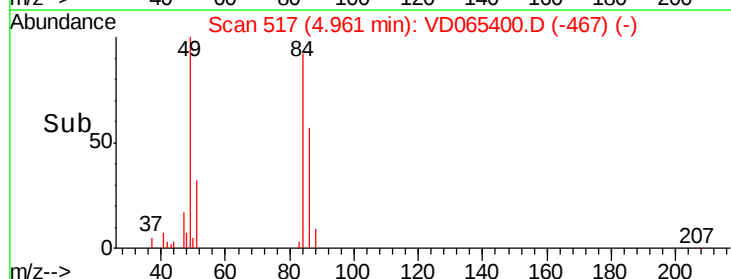
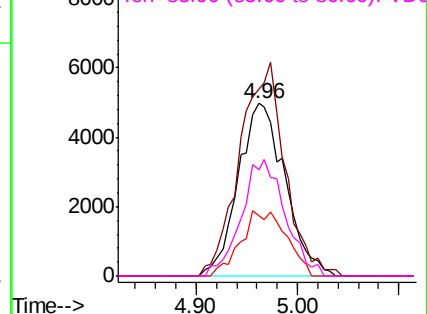


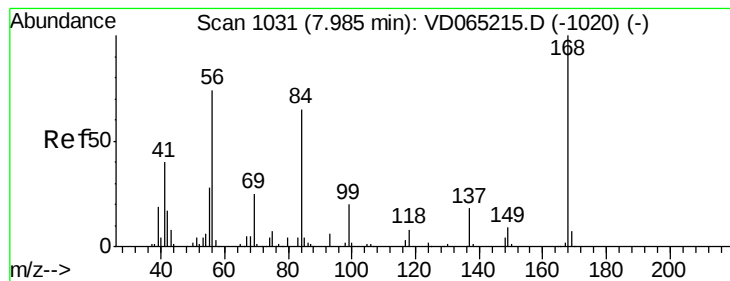
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.029 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

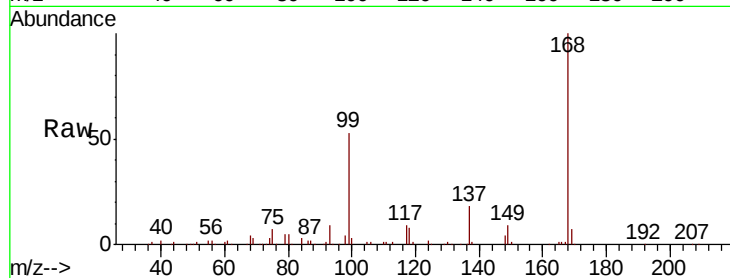
Tot Ion: 56 Resp: 9176

Ion Ratio Lower Upper

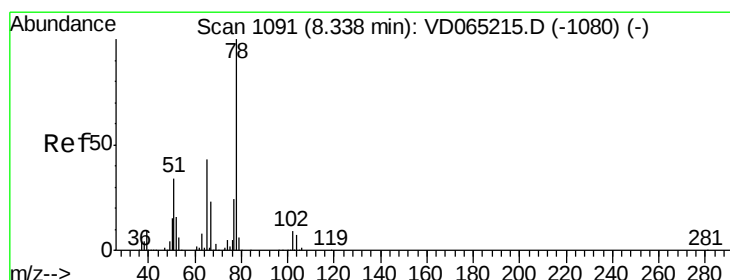
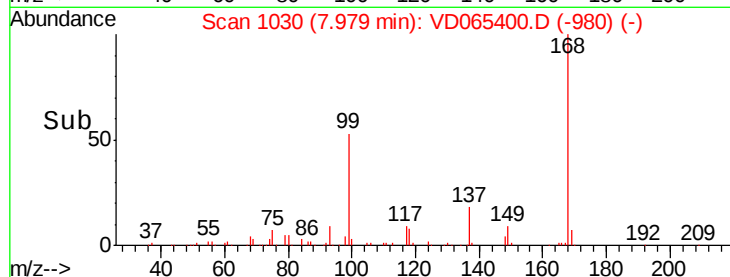
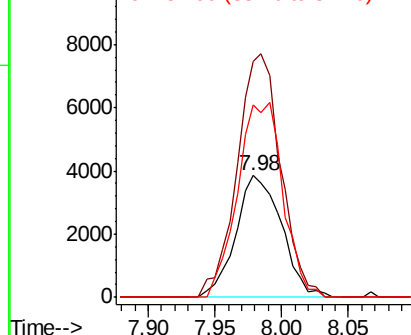
56 100

69 194.0 27.4 41.0#

84 158.0 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: 58.059 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065400.D

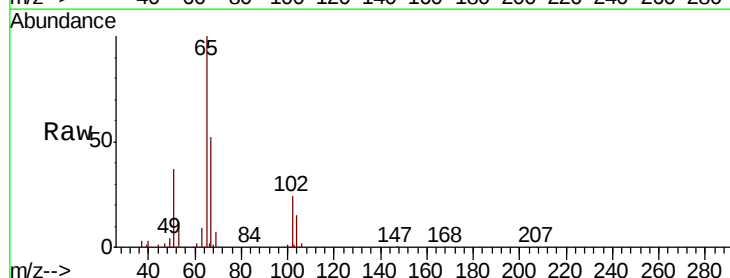
Acq: 03 Mar 2020 17:57

Tgt Ion: 65 Resp: 263412

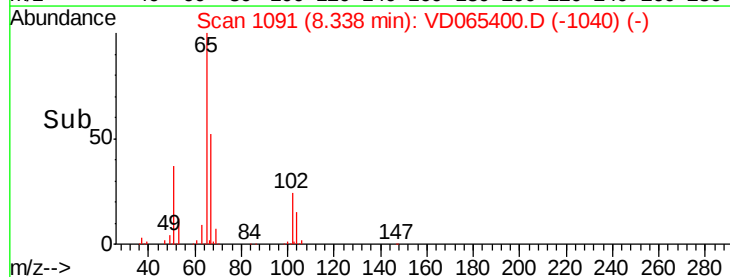
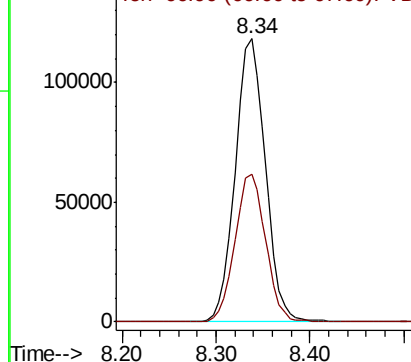
Ion Ratio Lower Upper

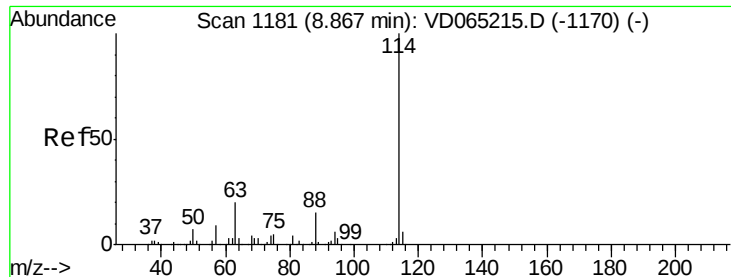
65 100

67 53.1 0.0 106.8



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

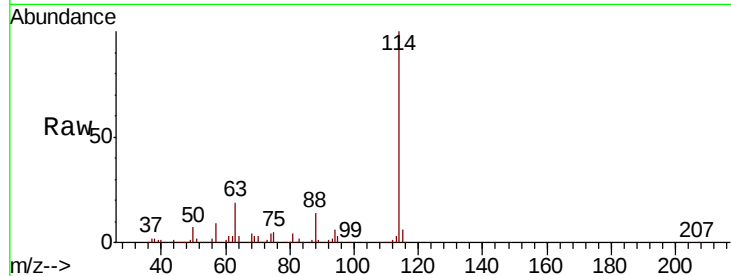




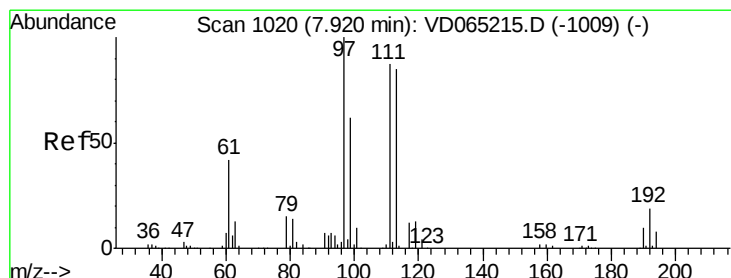
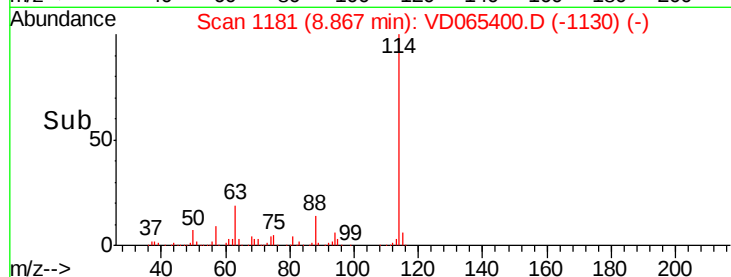
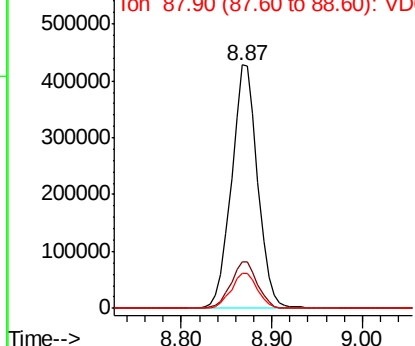
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065400.D
 Acq: 03 Mar 2020 17:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.4
88	14.3	0.0	30.4

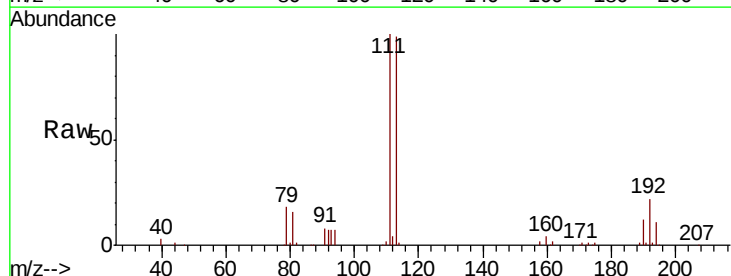


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

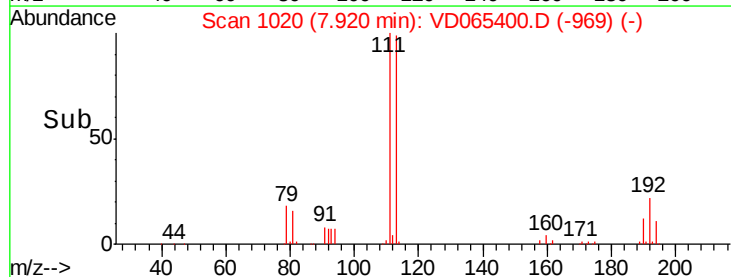
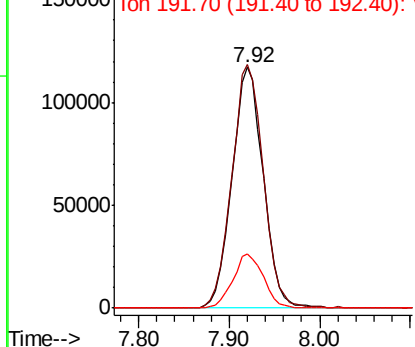


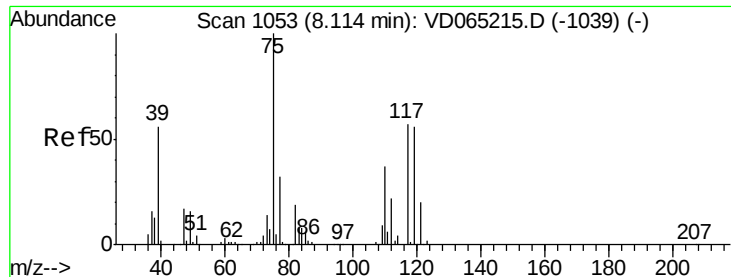
#35
 Dibromofluoromethane
 Concen: 53.401 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065400.D
 Acq: 03 Mar 2020 17:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	22.2	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

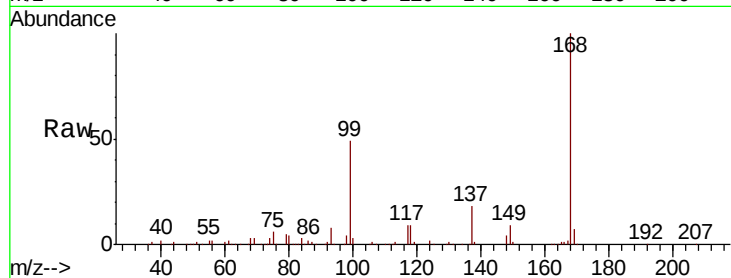




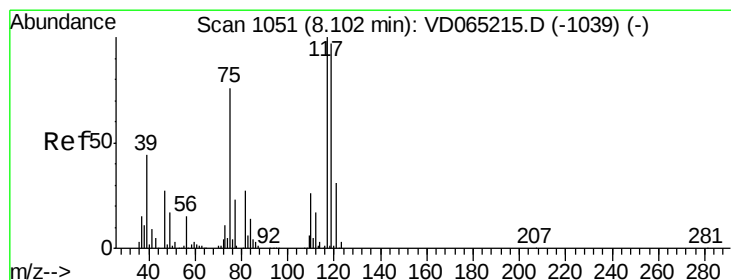
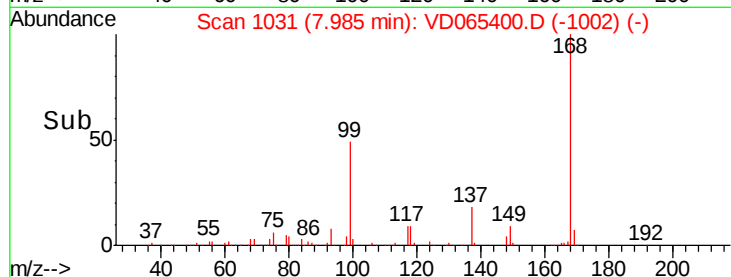
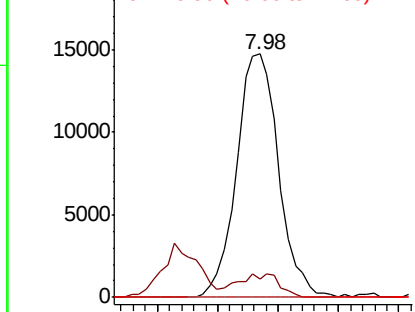
#36
 1,1-Dichloropropene
 Concen: 4.267 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065400.D
 Acq: 03 Mar 2020 17:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	75	Resp	35654
Ion Ratio	Lower	Upper	
75	100		
110	9.7	17.9	53.7#
77	0.0	25.1	37.7#

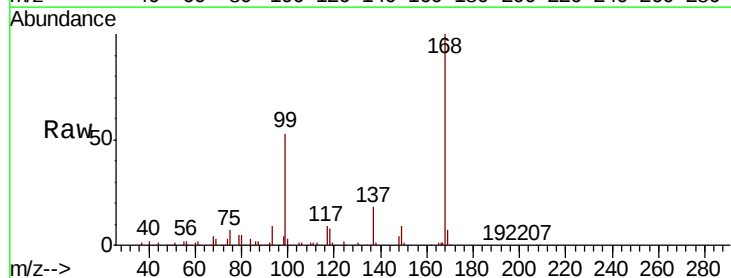


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

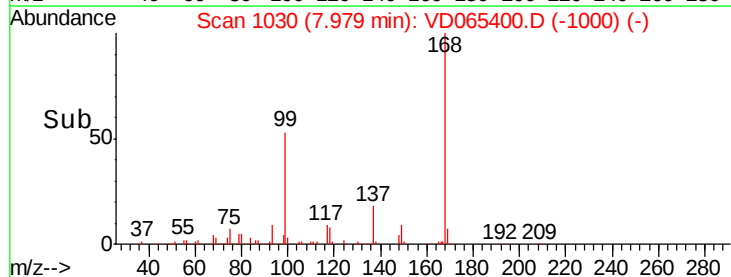
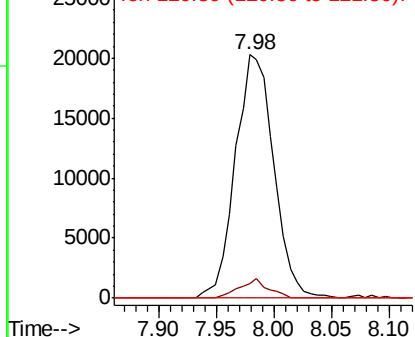


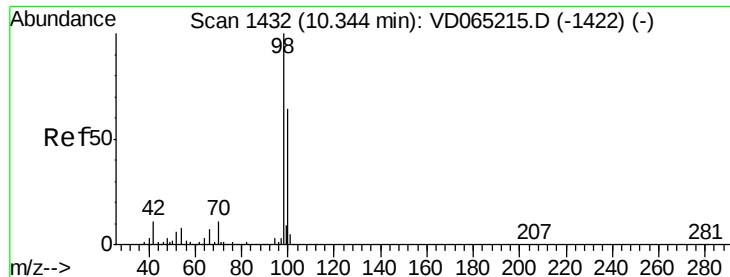
#38
 Carbon Tetrachloride
 Concen: 5.512 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065400.D
 Acq: 03 Mar 2020 17:57

Tgt Ion	117	Resp	46885
Ion Ratio	Lower	Upper	
117	100		
119	6.2	77.6	116.4#
121	0.0	24.8	37.2#



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: 51.163 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

Instrument :

MSVOA_D

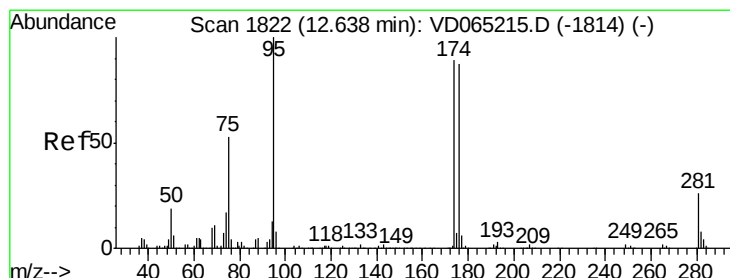
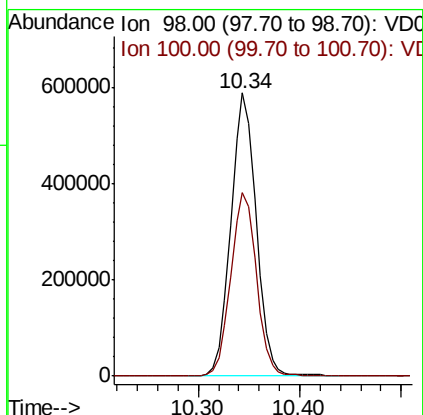
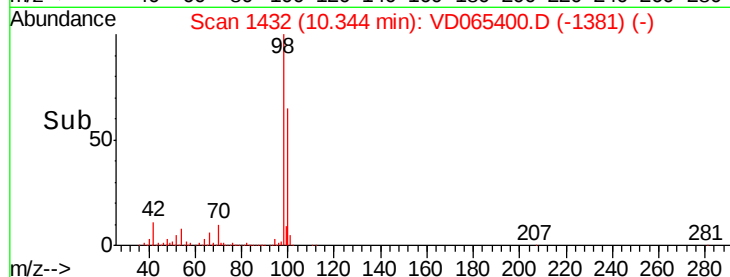
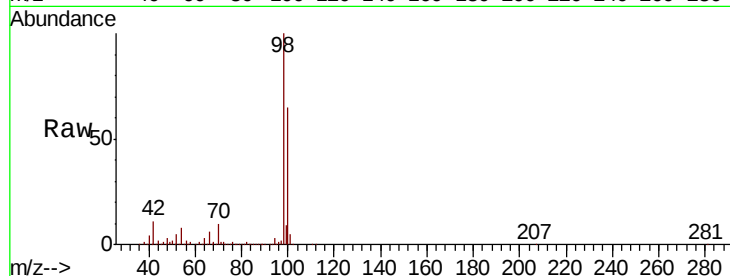
ClientSampleId :

Tot Ion: 98 Resp: 1024140

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.727 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

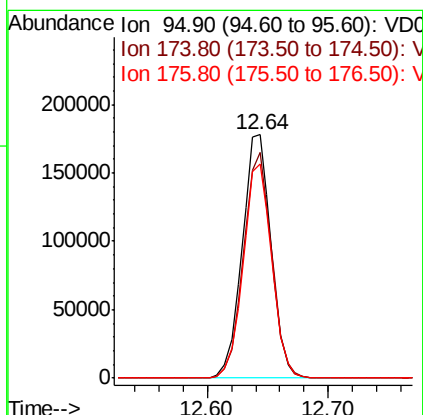
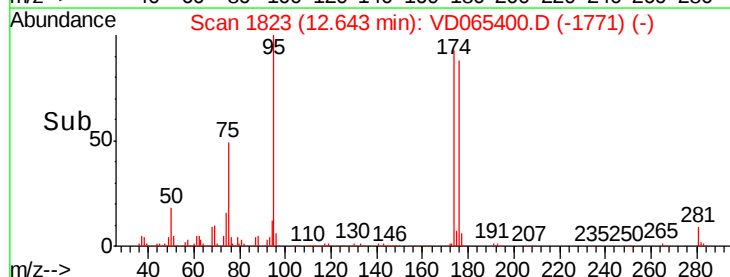
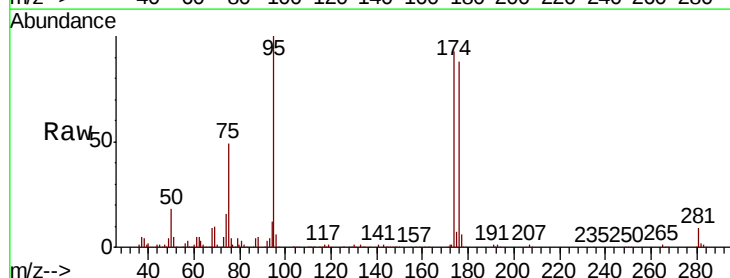
Tgt Ion: 95 Resp: 296310

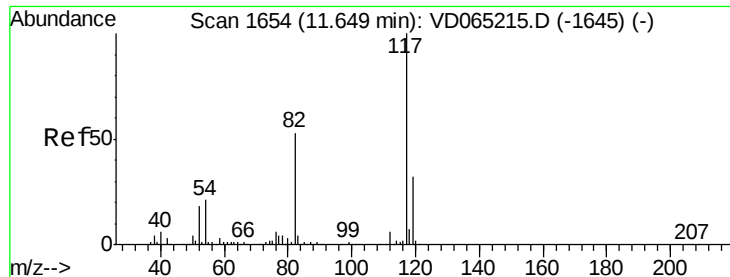
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.0

176 87.4 0.0 174.4

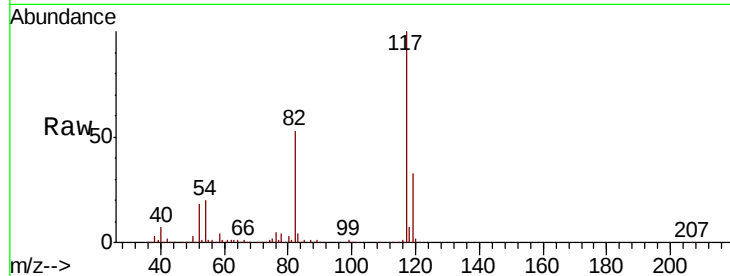




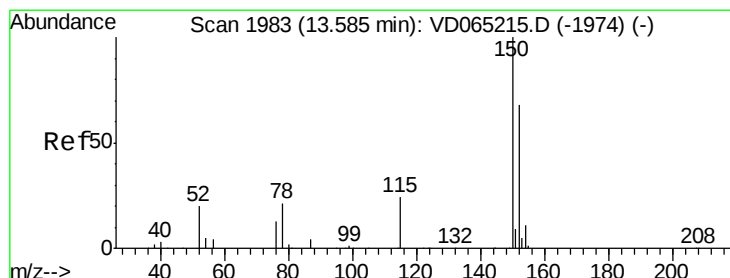
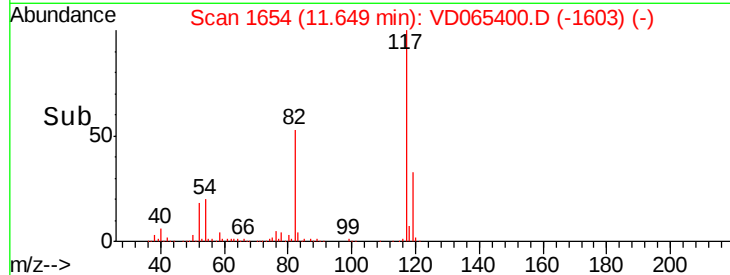
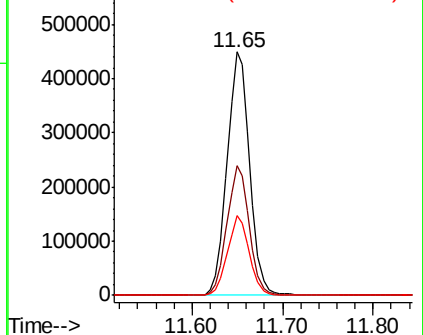
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065400.D
Acq: 03 Mar 2020 17:57

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 773487
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 32.8 25.5 38.3

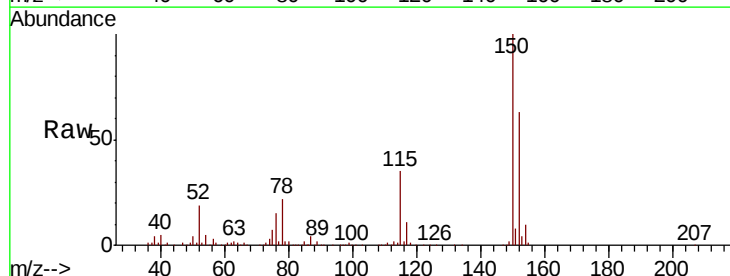


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

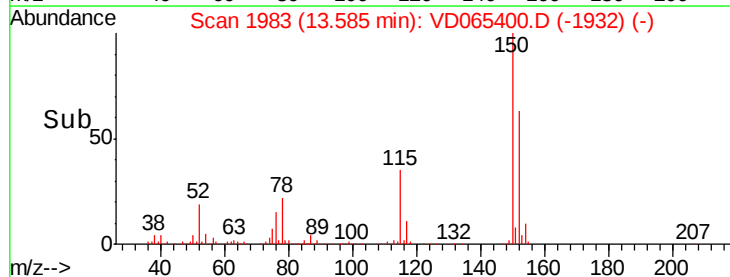
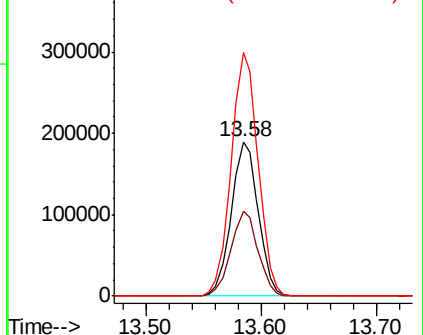


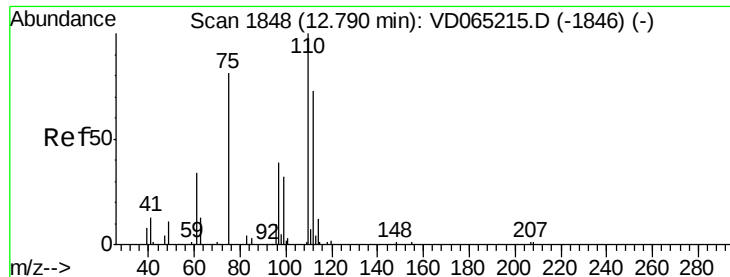
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065400.D
Acq: 03 Mar 2020 17:57

Tgt Ion:152 Resp: 305638
Ion Ratio Lower Upper
152 100
115 55.1 27.6 82.8
150 157.6 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: 55.963 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

Instrument :

MSVOA_D

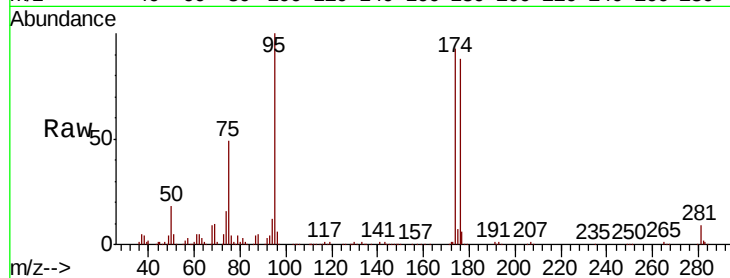
ClientSampleId :

Tot Ion: 75 Resp: 145529

Ion Ratio Lower Upper

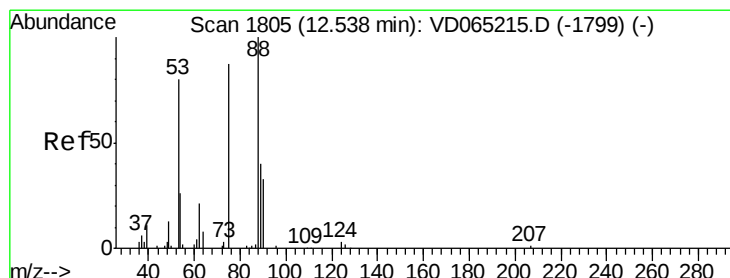
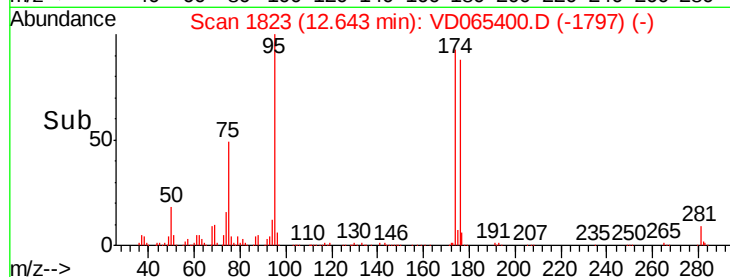
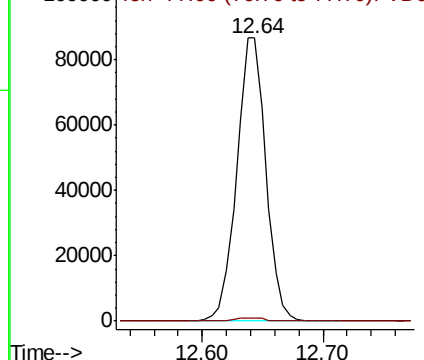
75 100

77 1.3 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: 120.834 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065400.D

Acq: 03 Mar 2020 17:57

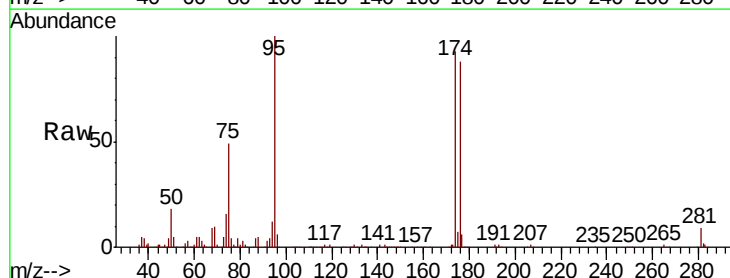
Tgt Ion: 75 Resp: 145529

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

