

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065956.D
 Acq On : 16 Jul 2020 14:50
 Operator : VA/SY
 Sample : L3310-02
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 03:38:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

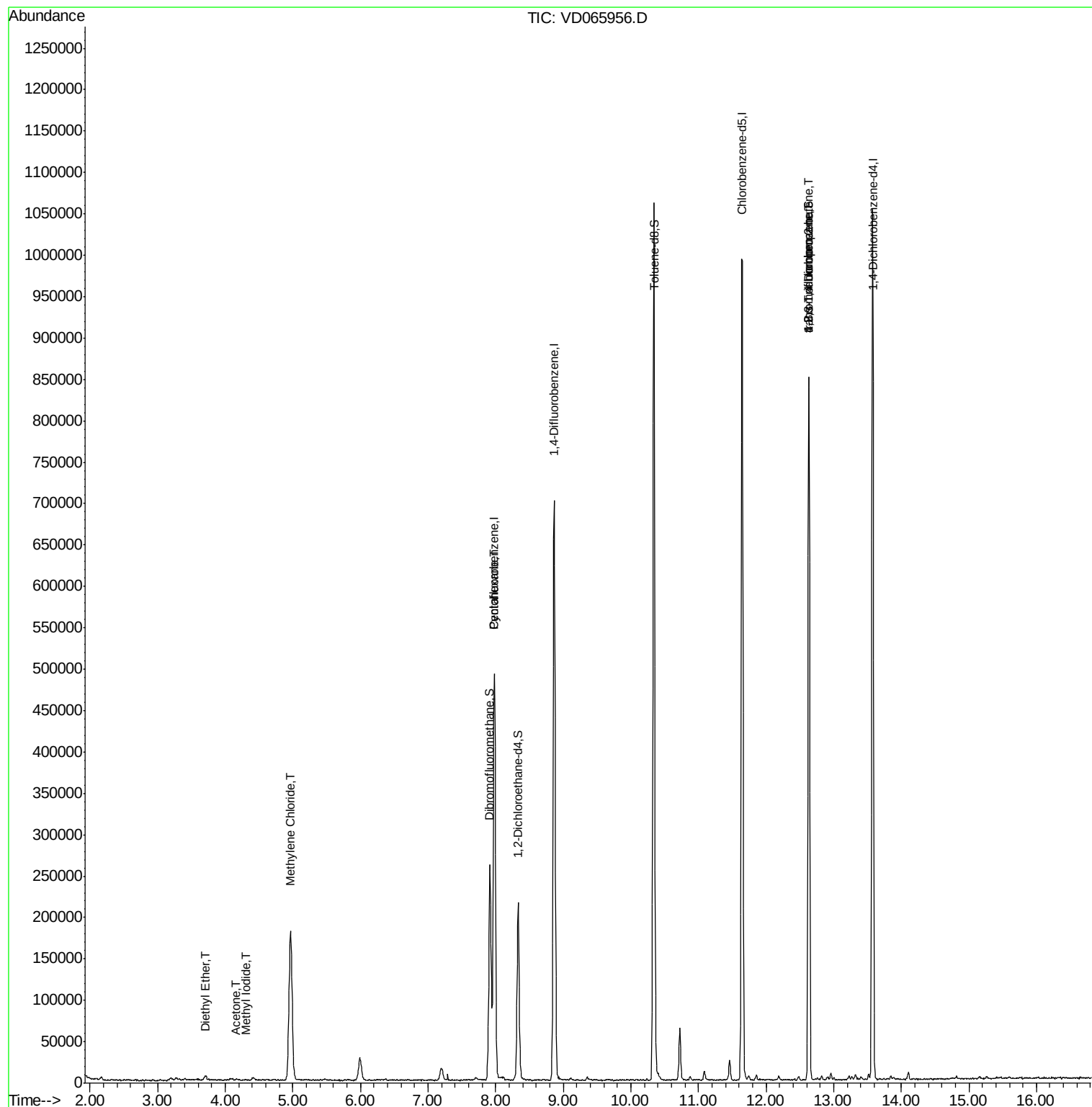
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	624644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	615521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	162035	45.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.14%	
35) Dibromofluoromethane	7.91	113	186420	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
50) Toluene-d8	10.34	98	732971	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.63	95	273871	56.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.44%	
Target Compounds						
8) Diethyl Ether	3.70	74	2404	1.259	ug/l	96
10) Methyl Iodide	4.30	142	673	2.659	ug/l #	64
11) Tert butyl alcohol	5.22	59	169	Below Cal	#	71
16) Acetone	4.15	43	1744	2.093	ug/l #	79
20) Methylene Chloride	4.96	84	141592	26.795	ug/l	94
31) Cyclohexane	7.98	56	8264	1.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	128478	51.233	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	128478	110.084	ug/l #	11

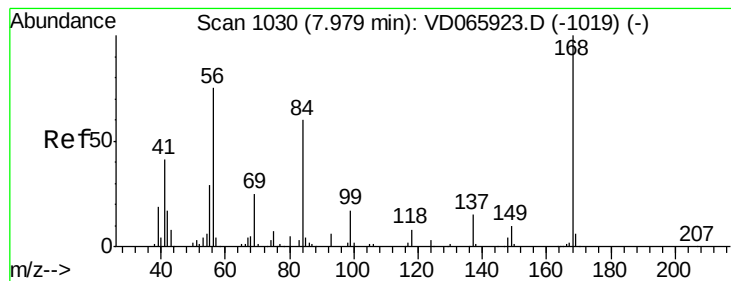
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065956.D

Acq: 16 Jul 2020 14:50

Instrument :

MSVOA_D

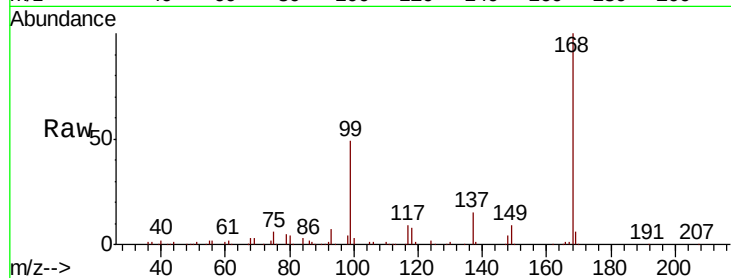
ClientSampleId :

Tot Ion:168 Resp: 401217

Ion Ratio Lower Upper

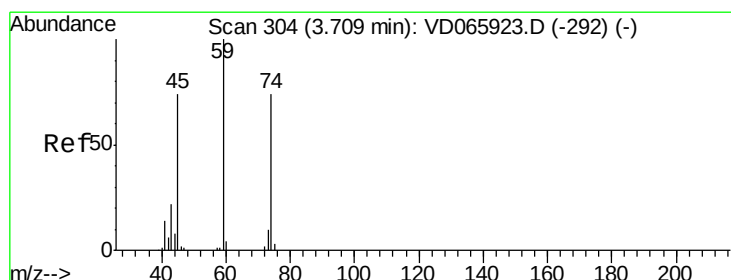
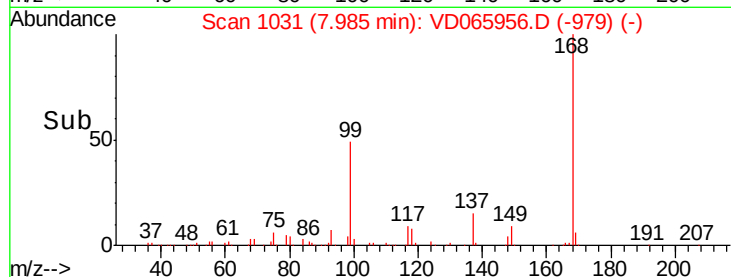
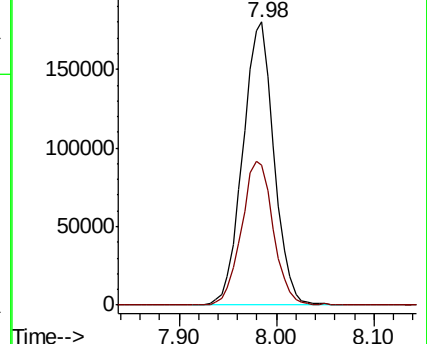
168 100

99 49.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.259 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065956.D

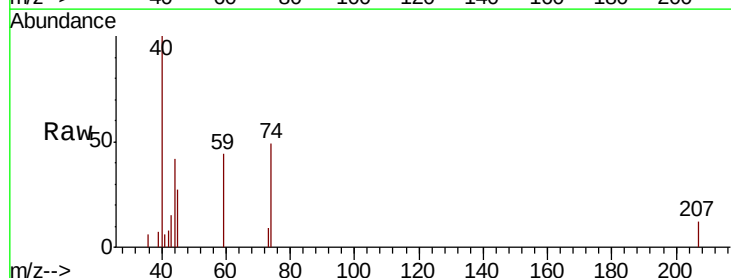
Acq: 16 Jul 2020 14:50

Tgt Ion: 74 Resp: 2404

Ion Ratio Lower Upper

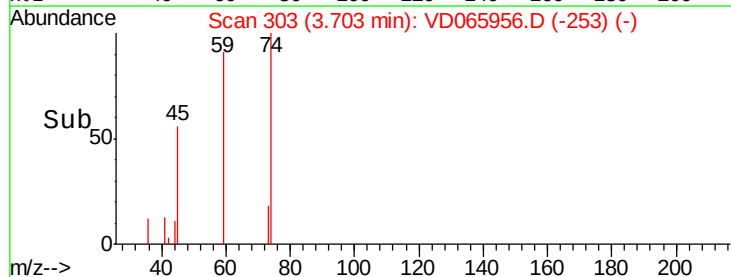
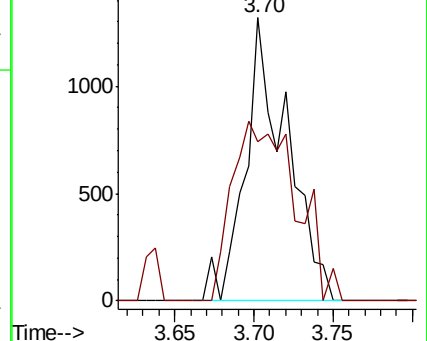
74 100

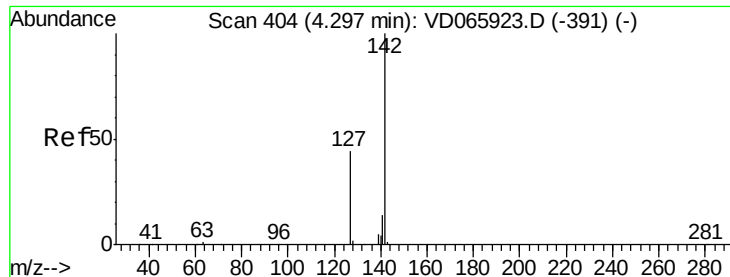
45 98.0 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

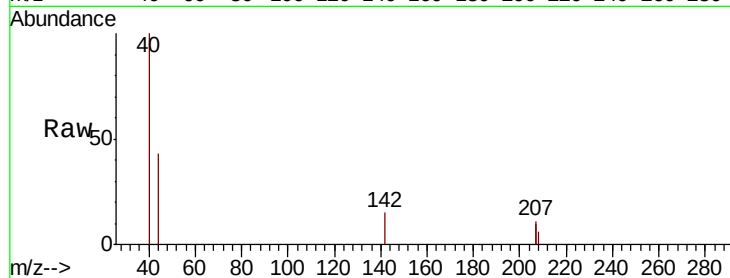




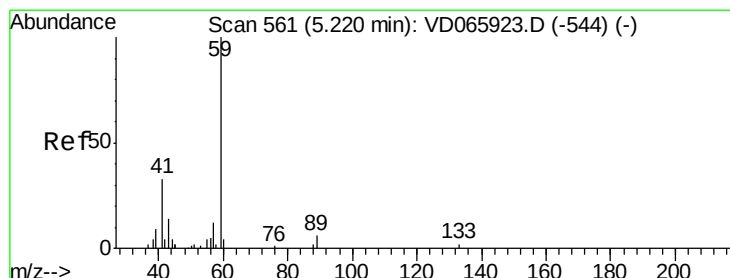
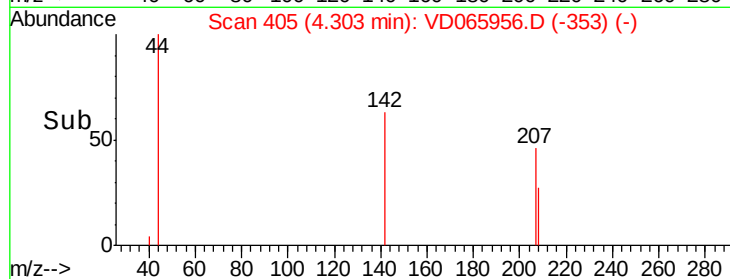
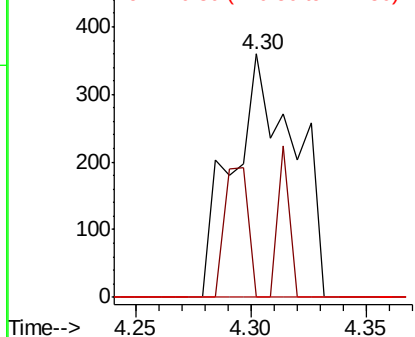
#10
Methyl Iodide
Concen: 2.659 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.01 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 673
Ion Ratio Lower Upper
142 100
127 19.9 34.6 51.8#
141 0.0 11.6 17.4#

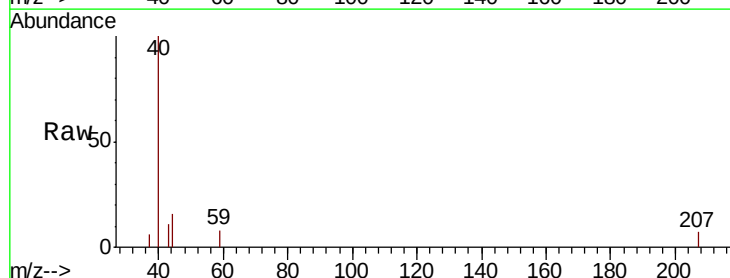


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

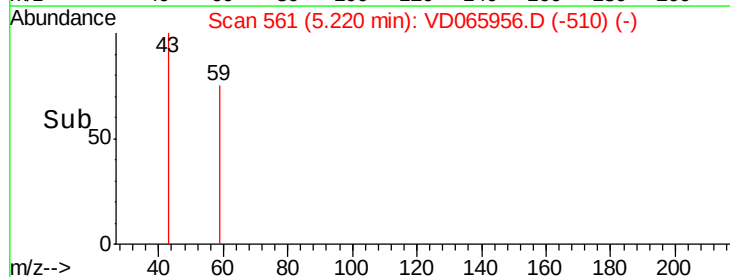
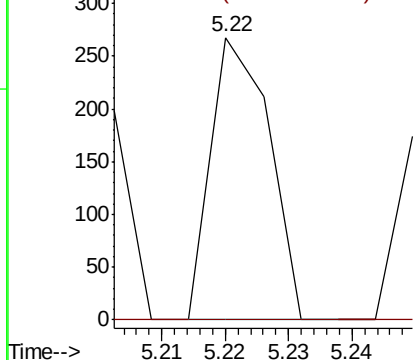


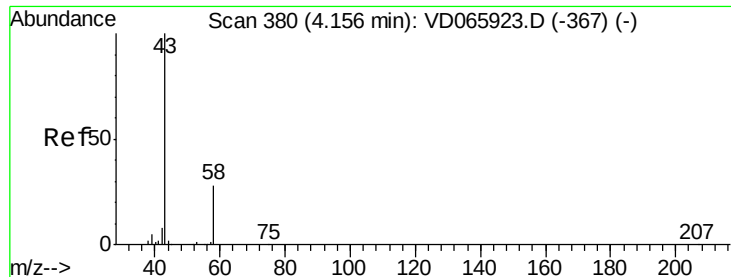
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

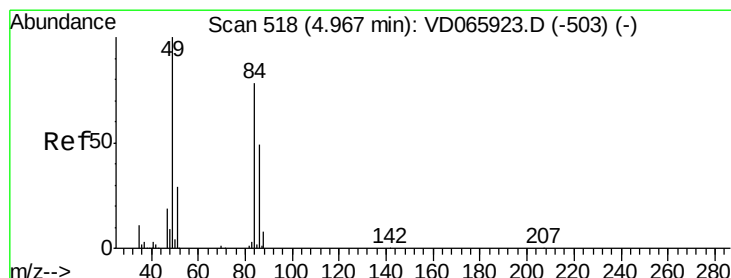
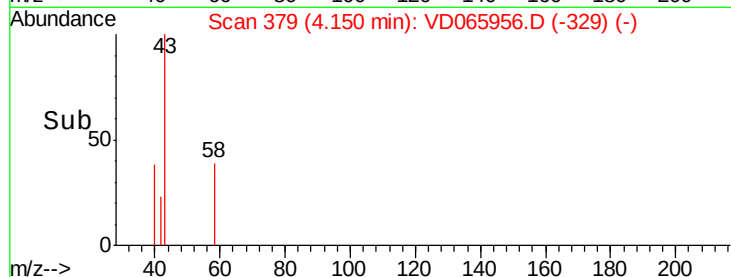
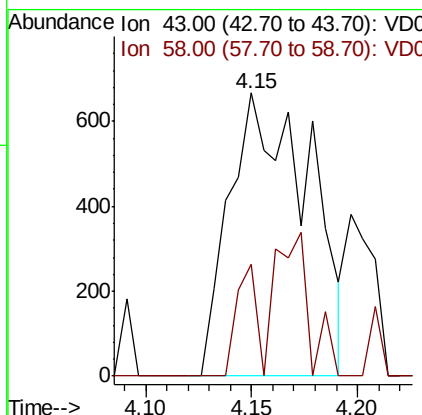
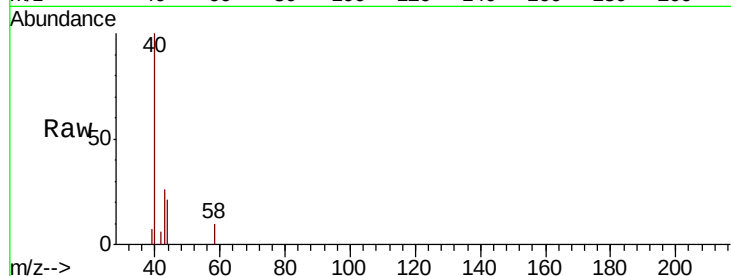




#16
Acetone
Concen: 2.093 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

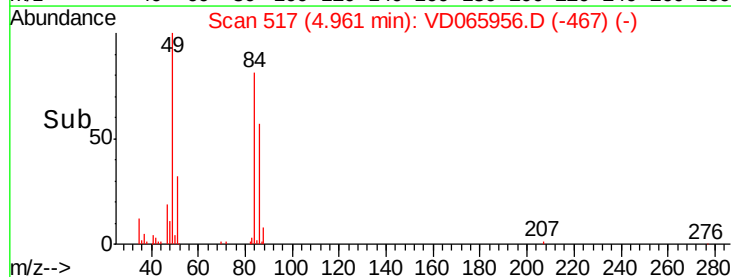
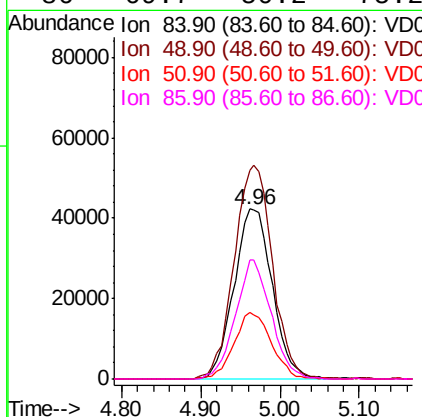
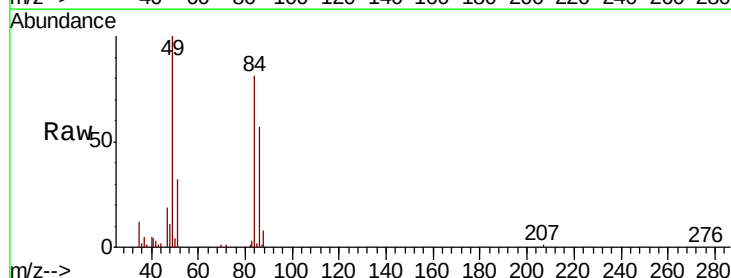
Instrument :
MSVOA_D
ClientSampleId :

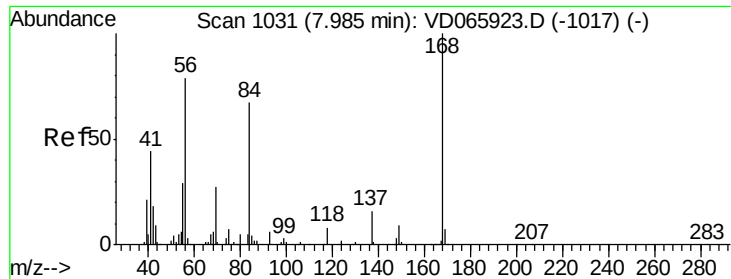
Tot Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 39.3 22.7 34.1#



#20
Methylene Chloride
Concen: 26.795 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Tgt Ion: 84 Resp: 141592
Ion Ratio Lower Upper
84 100
49 122.7 102.2 153.2
51 39.4 29.8 44.6
86 69.7 50.2 75.2

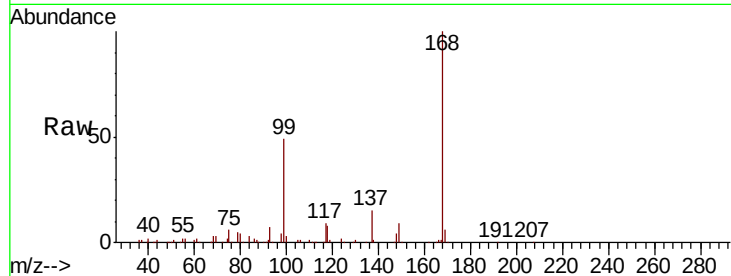




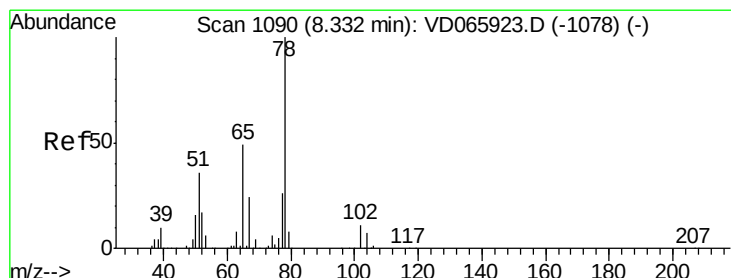
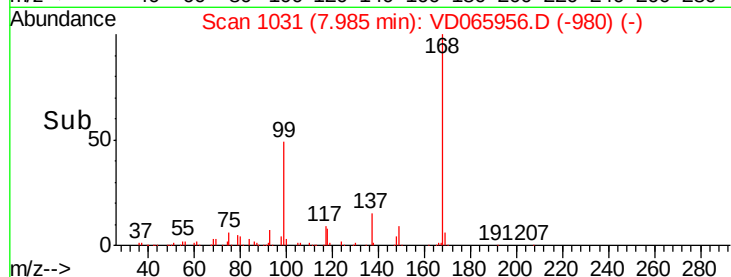
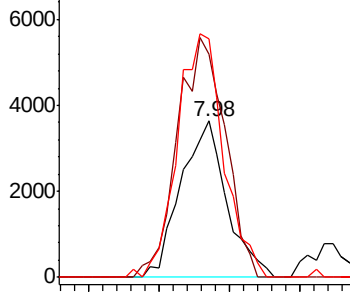
#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8264
Ion Ratio Lower Upper
56 100
69 143.0 27.4 41.0#
84 152.3 68.6 102.8#

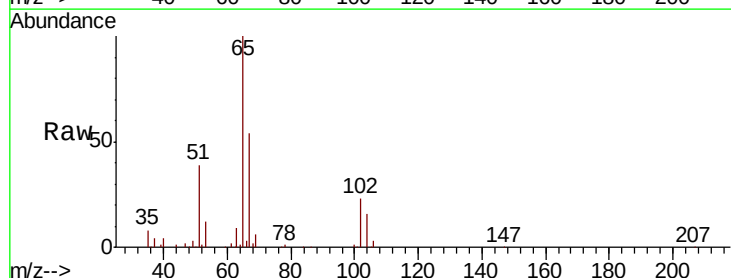


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

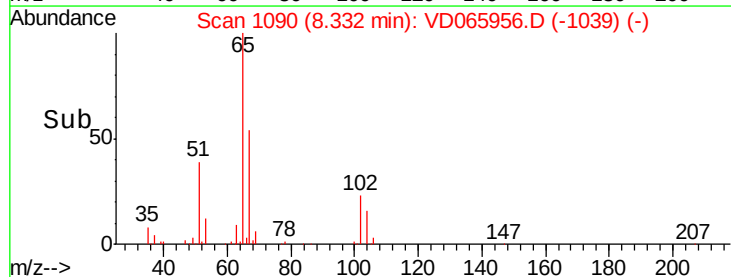
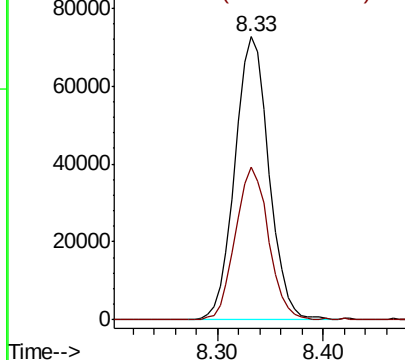


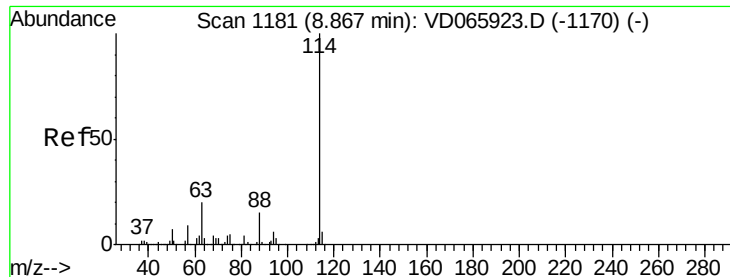
#33
1,2-Dichloroethane-d4
Concen: 45.571 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Tgt Ion: 65 Resp: 162035
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



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

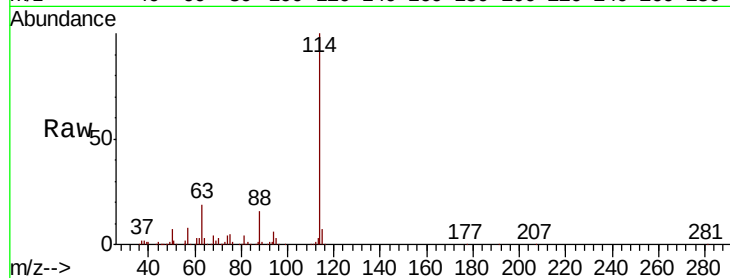




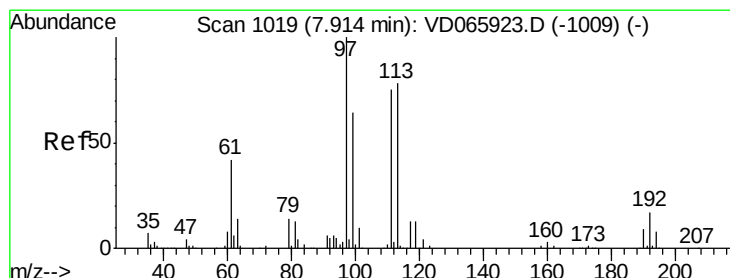
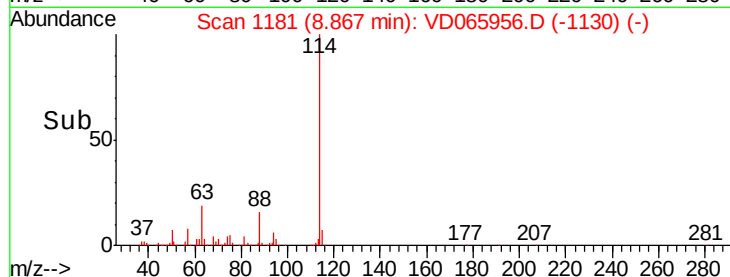
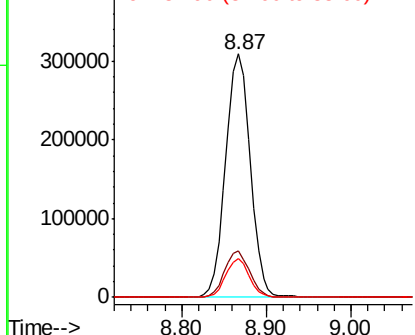
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 624644
Ion Ratio Lower Upper
114 100
63 19.0 0.0 39.2
88 15.7 0.0 30.0

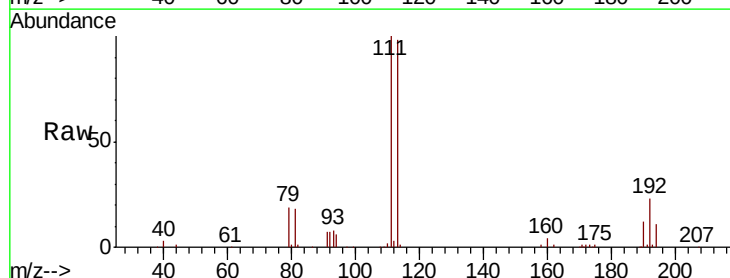


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

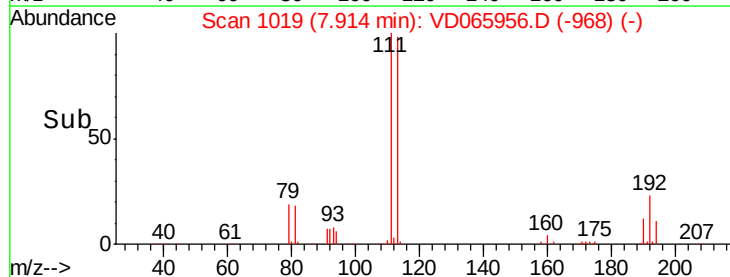
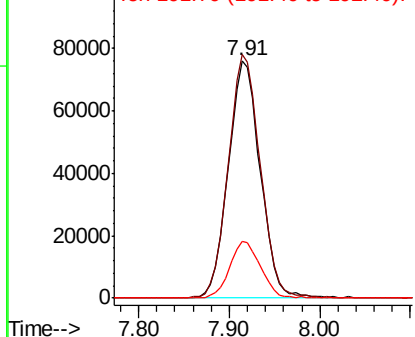


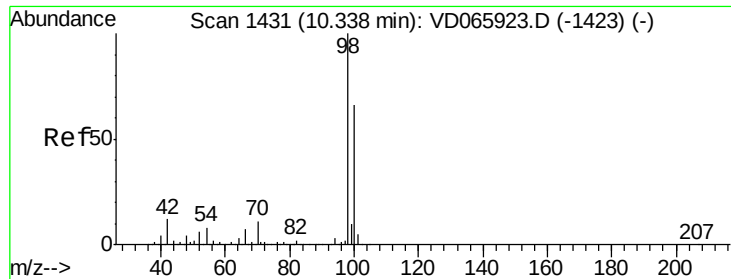
#35
Dibromofluoromethane
Concen: 48.379 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Tgt Ion:113 Resp: 186420
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 23.1 17.1 25.7



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





#50

Toluene-d8

Concen: 52.133 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065956.D

Acq: 16 Jul 2020 14:50

Instrument :

MSVOA_D

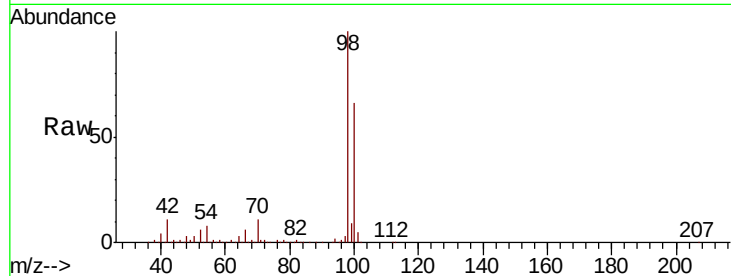
ClientSampleId :

Tot Ion: 98 Resp: 732971

Ion Ratio Lower Upper

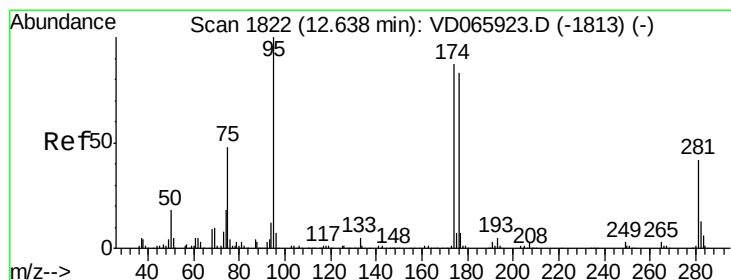
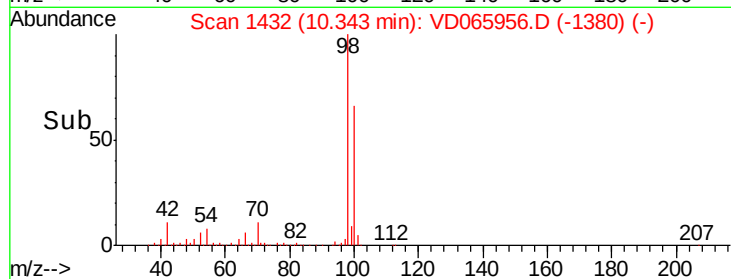
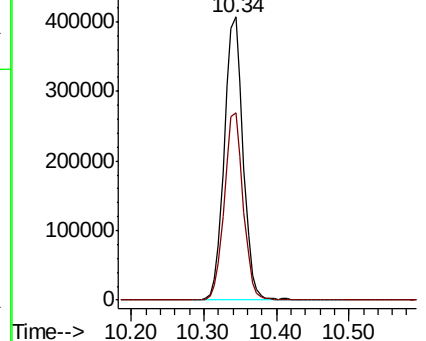
98 100

100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 56.724 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065956.D

Acq: 16 Jul 2020 14:50

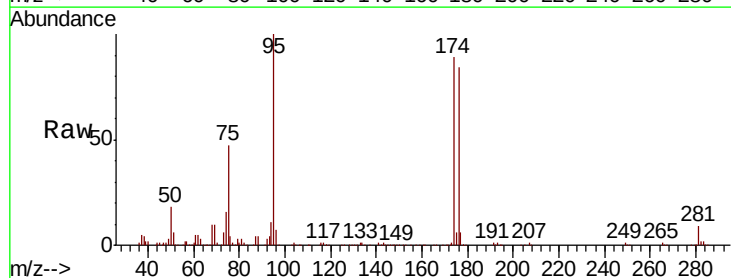
Tgt Ion: 95 Resp: 273871

Ion Ratio Lower Upper

95 100

174 89.3 0.0 169.4

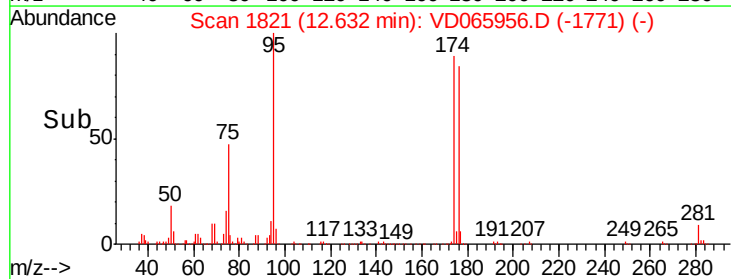
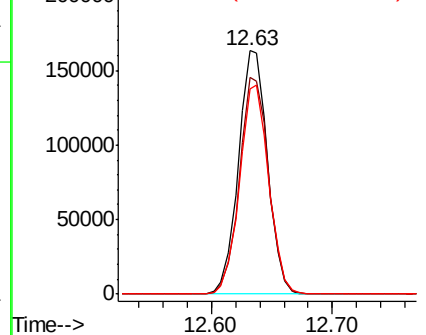
176 86.1 0.0 164.0

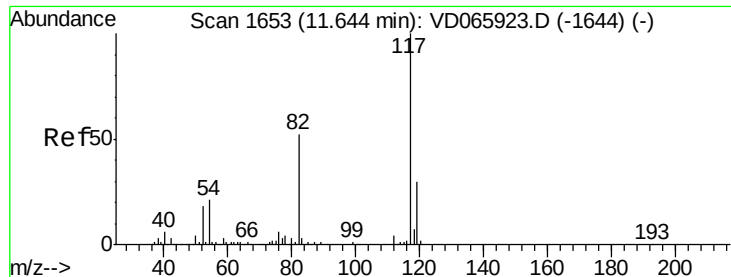


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

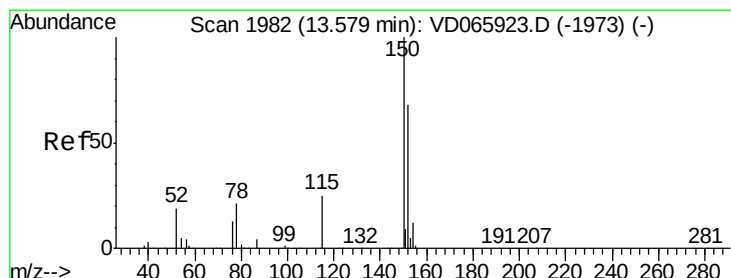
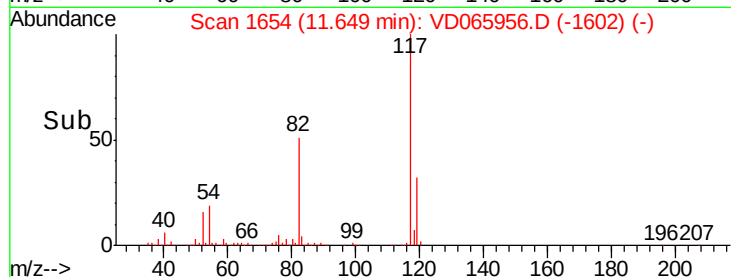
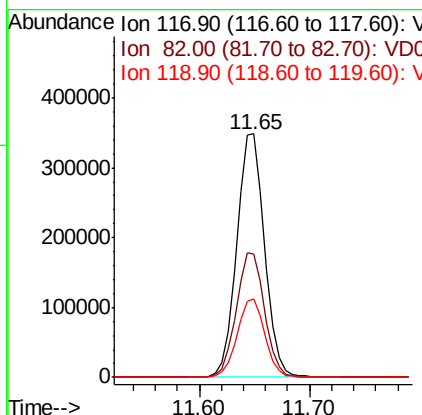
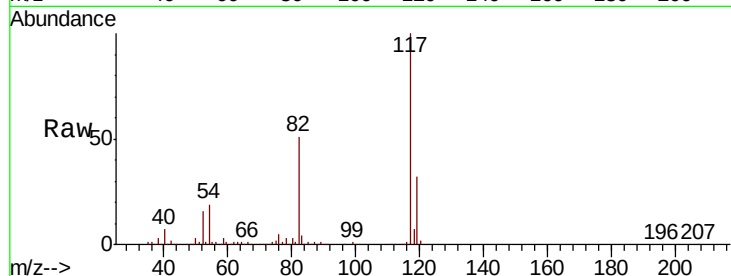




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

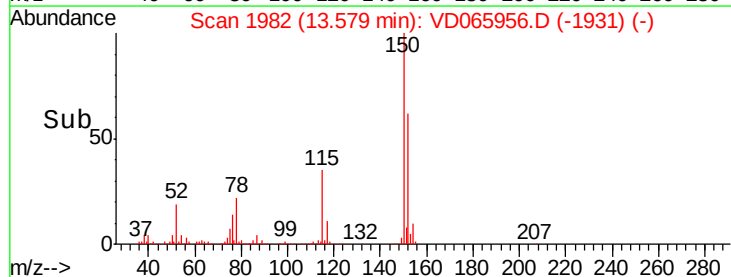
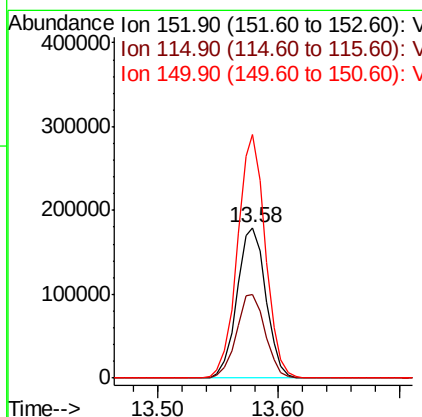
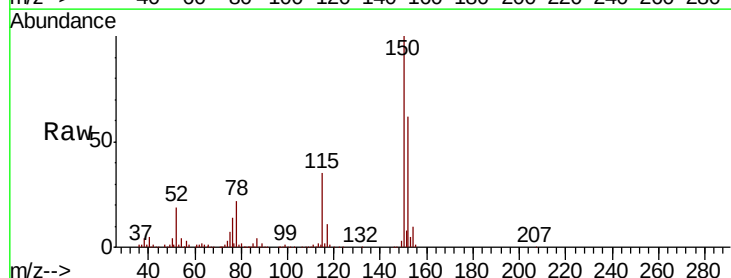
Instrument :
MSVOA_D
ClientSampled :

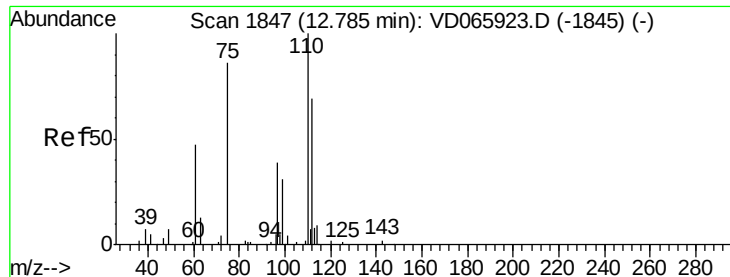
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.8	62.8
119	32.1	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065956.D
Acq: 16 Jul 2020 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.3
150	155.7	0.0	347.2





#76

1,2,3-Trichloropropane

Concen: 51.233 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD065956.D

Acq: 16 Jul 2020 14:50

Instrument :

MSVOA_D

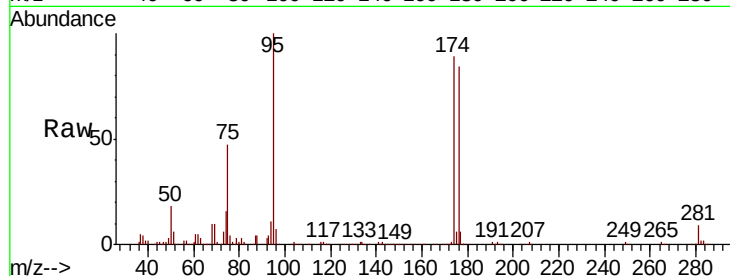
ClientSampleId :

Tot Ion: 75 Resp: 128478

Ion Ratio Lower Upper

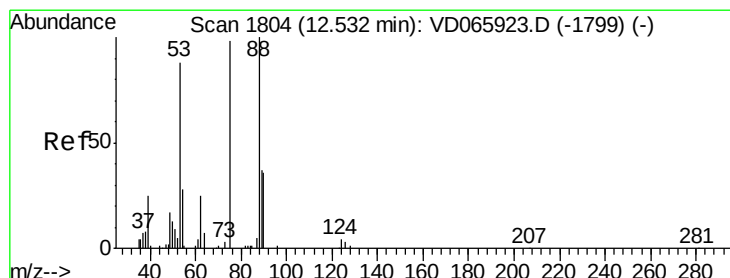
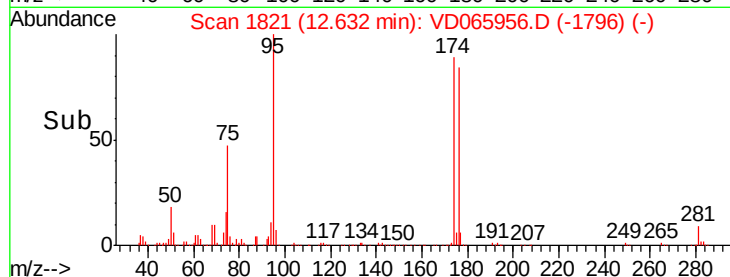
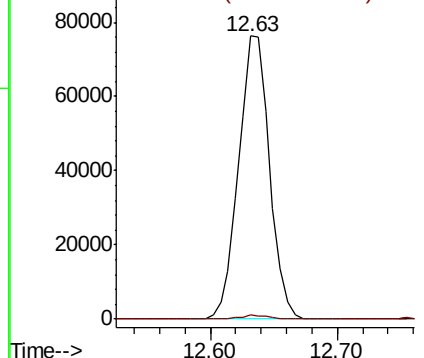
75 100

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: 110.084 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065956.D

Acq: 16 Jul 2020 14:50

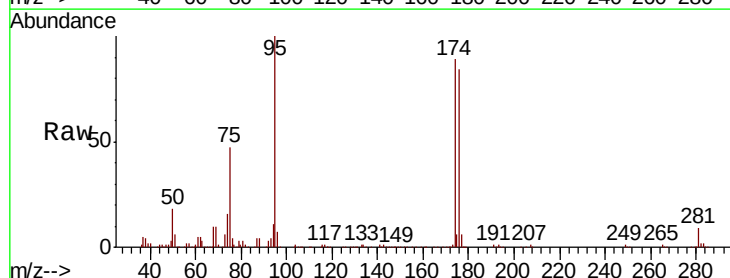
Tgt Ion: 75 Resp: 128478

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.1 37.5 56.3#



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

