

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065912.D
 Acq On : 01 Jul 2020 18:03
 Operator : VA/SY
 Sample : L3172-14
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP6-SS

Quant Time: Jul 02 04:46:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

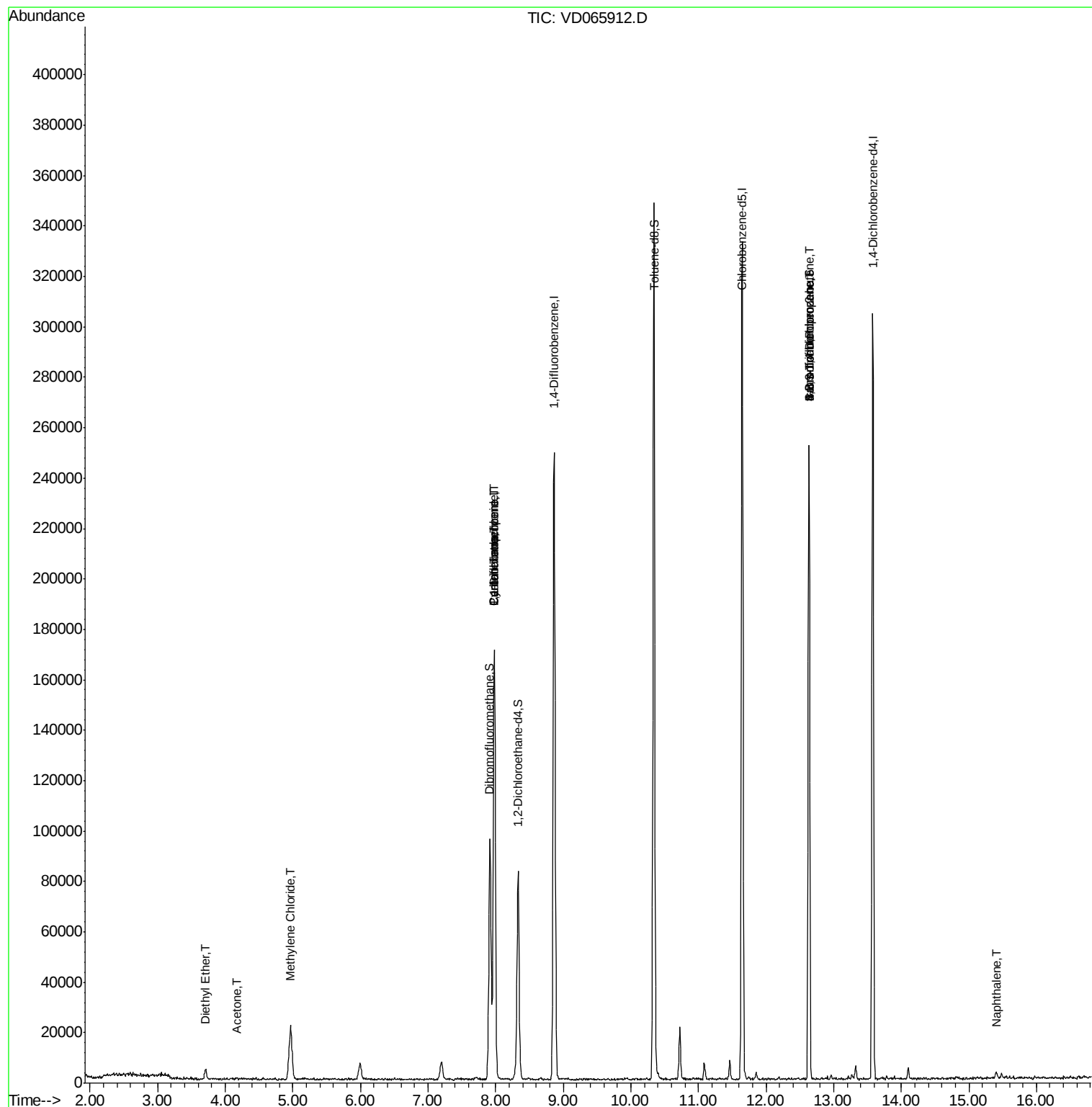
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	118653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	212253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	184006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	74878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	66390	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
35) Dibromofluoromethane	7.91	113	69006	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
50) Toluene-d8	10.34	98	231626	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.64	95	71045	43.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.88%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.71	74	1904	3.285	ug/l	90
11) Tert butyl alcohol	5.22	59	146	Below Cal	#	69
16) Acetone	4.17	43	1077	4.459	ug/l	94
20) Methylene Chloride	4.97	84	16299	8.430	ug/l #	85
31) Cyclohexane	7.98	56	3464	1.569	ug/l #	22
36) 1,1-Dichloropropene	7.97	75	10365	5.008	ug/l #	52
38) Carbon Tetrachloride	7.98	117	13040	5.835	ug/l #	14
71) Bromoform	12.63	173	1111	1.539	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	40022	61.084	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	40022	131.230	ug/l #	9
95) Naphthalene	15.41	128	3419	1.464	ug/l #	80

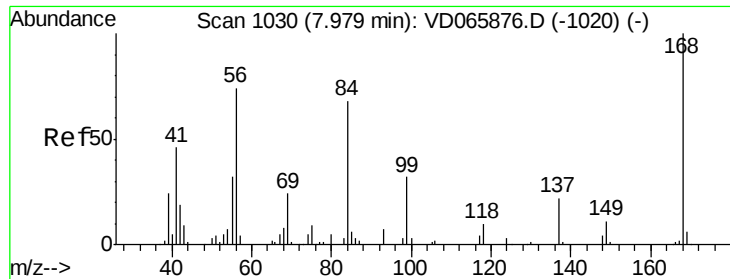
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065912.D
Acq On : 01 Jul 2020 18:03
Operator : VA/SY
Sample : L3172-14
Misc : 5.07G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP6-SS

Quant Time: Jul 02 04:46:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampleId :

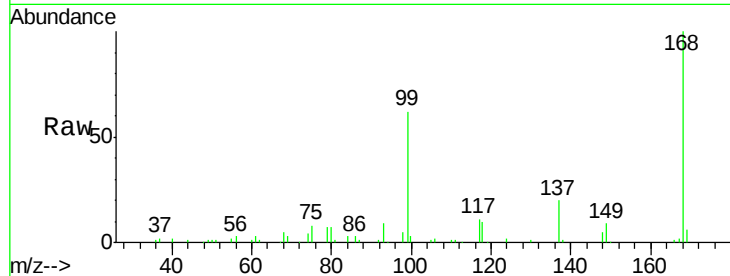
TP6-SS

Tot Ion:168 Resp: 118653

Ion Ratio Lower Upper

168 100

99 61.8 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

50000

40000

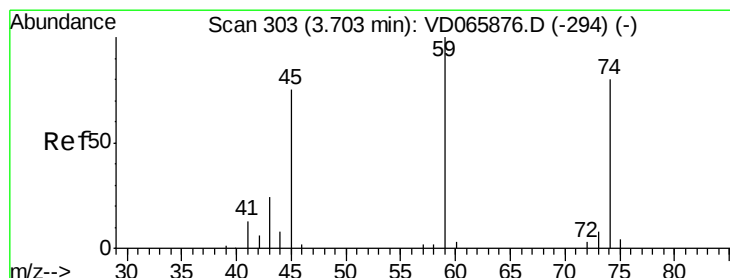
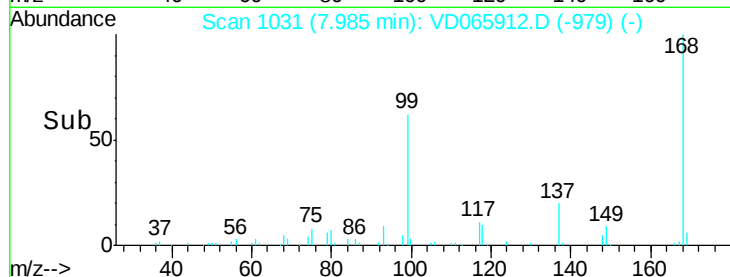
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 3.285 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD065912.D

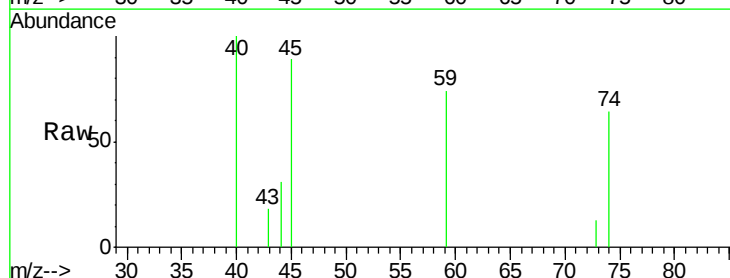
Acq: 01 Jul 2020 18:03

Tgt Ion: 74 Resp: 1904

Ion Ratio Lower Upper

74 100

45 106.7 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

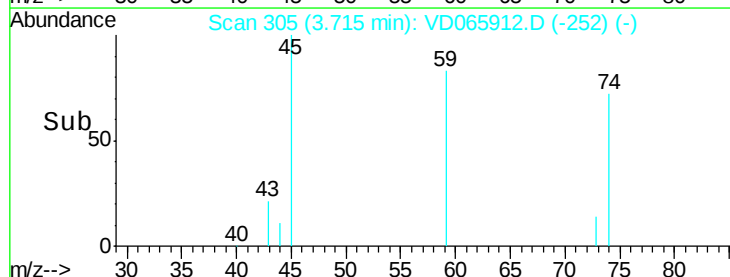
3.71

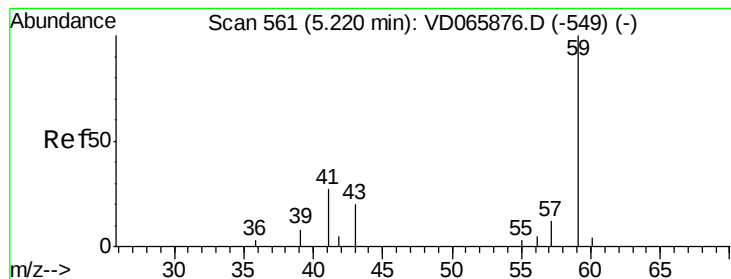
1000

500

0

Time-->



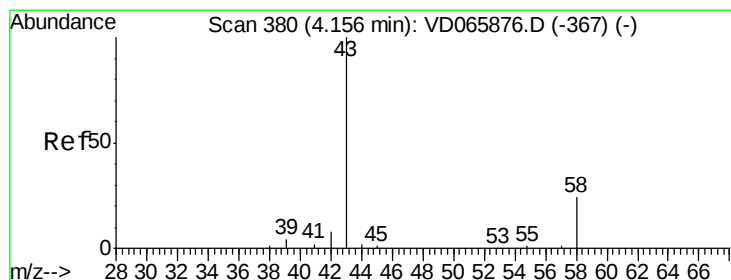
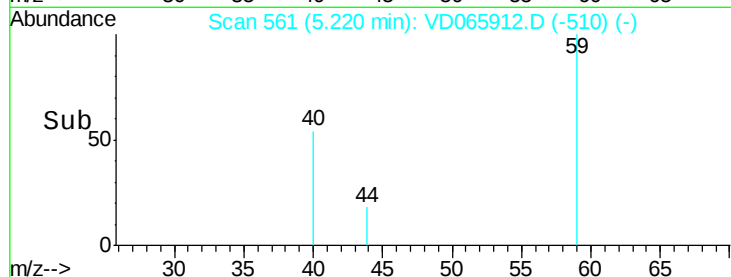
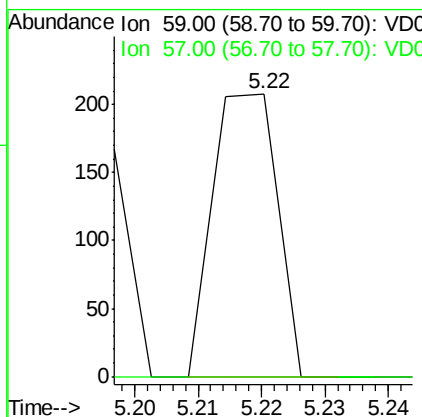
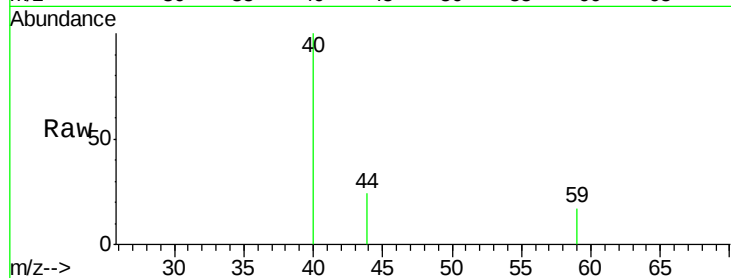


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065912.D
 Acq: 01 Jul 2020 18:03

Instrument :
 MSVOA_D
 ClientSampleId :
 TP6-SS

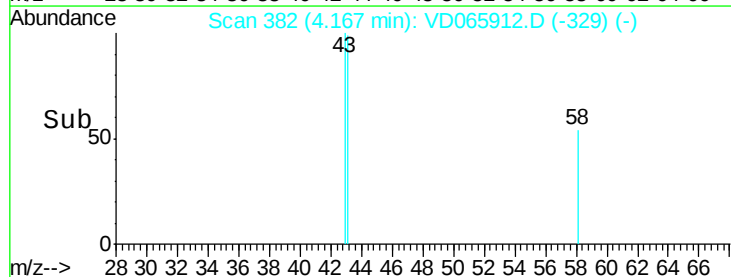
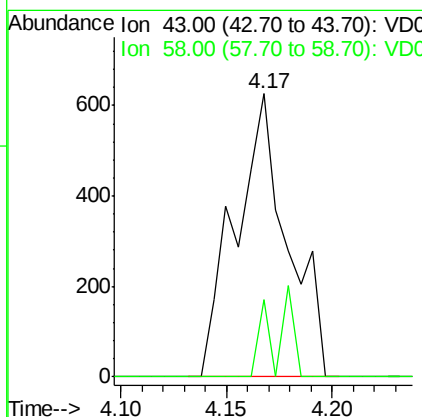
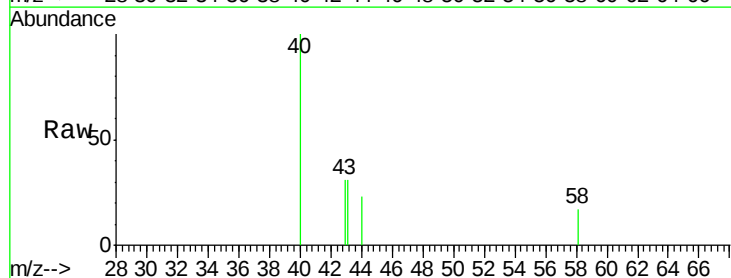
Tot Ion: 59 Resp: 146
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.7 14.5#

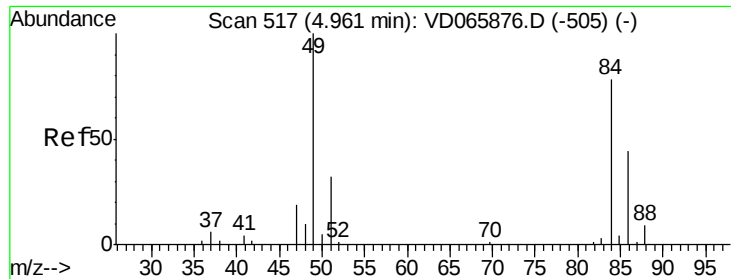


#16

Acetone
 Concen: 4.459 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065912.D
 Acq: 01 Jul 2020 18:03

Tgt Ion: 43 Resp: 1077
 Ion Ratio Lower Upper
 43 100
 58 27.3 19.5 29.3





#20

Methvlene Chloride

Concen: 8.430 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampled :

TP6-SS

Tot Ion: 84 Resp: 16299

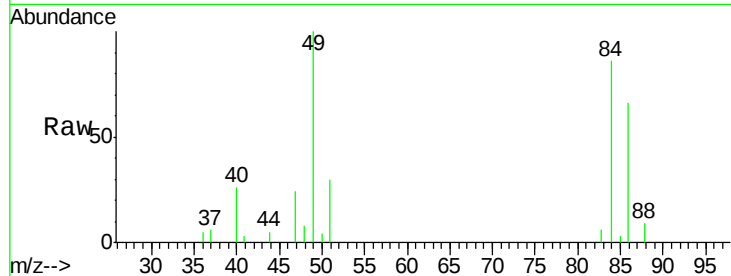
Ion Ratio Lower Upper

84 100

49 116.0 103.0 154.6

51 35.4 32.7 49.1

86 76.7 44.9 67.3#

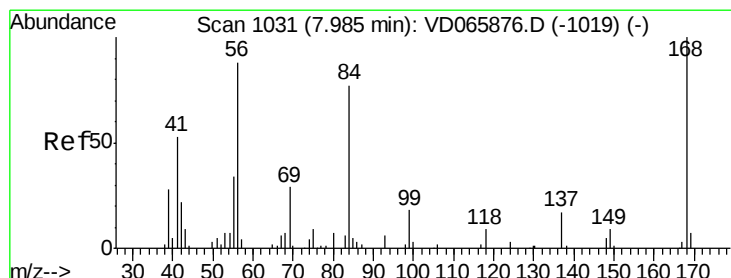
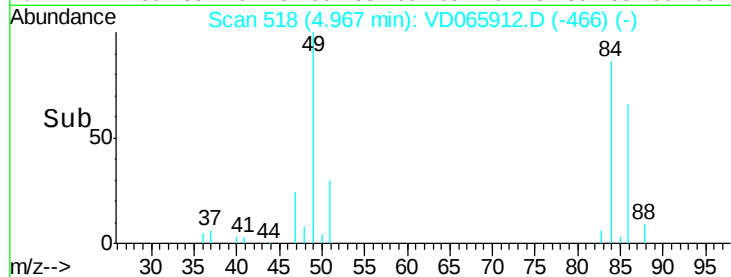
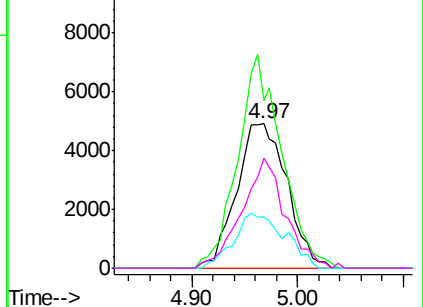


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.569 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

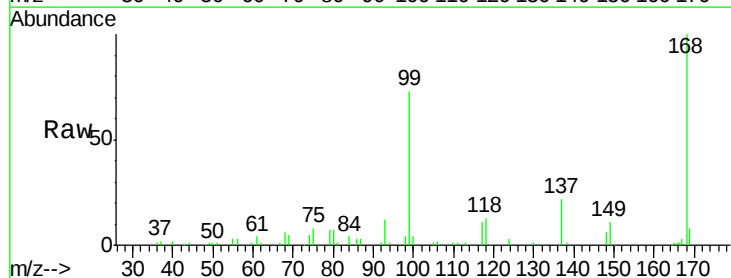
Tgt Ion: 56 Resp: 3464

Ion Ratio Lower Upper

56 100

69 140.8 26.2 39.4#

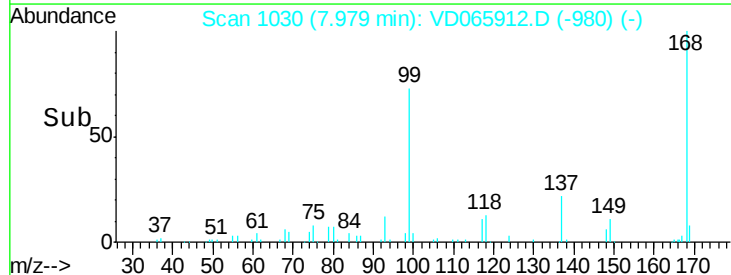
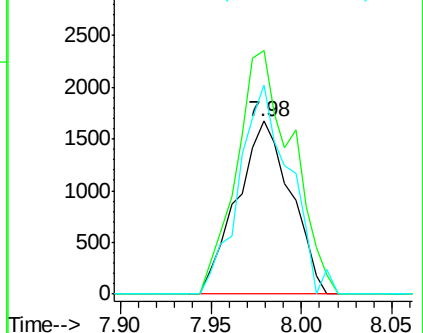
84 120.7 70.3 105.5#

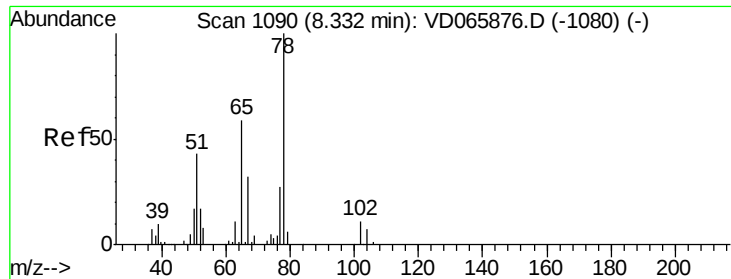


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.858 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampleId :

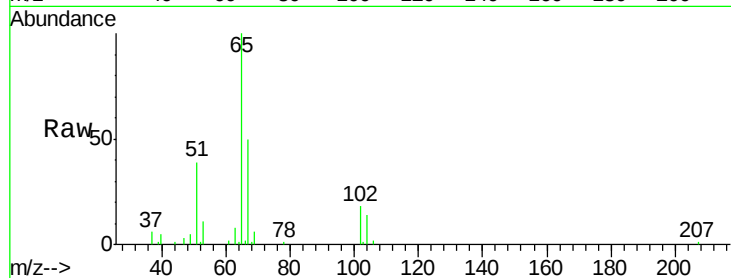
TP6-SS

Tot Ion: 65 Resp: 66390

Ion Ratio Lower Upper

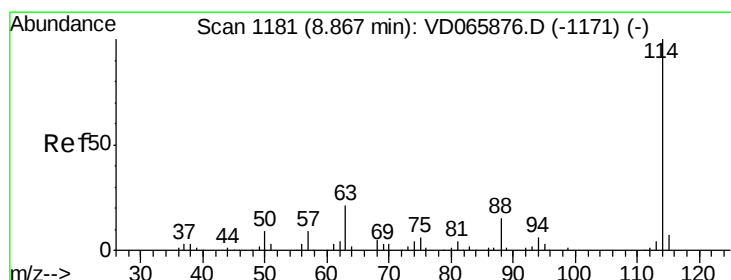
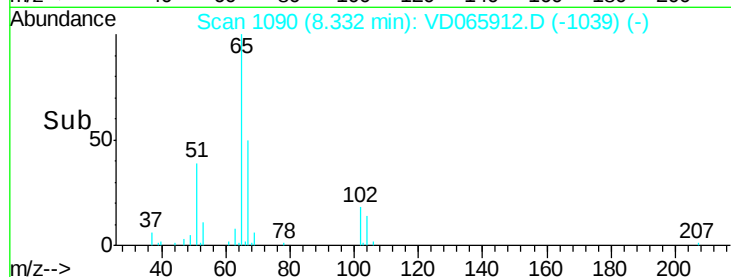
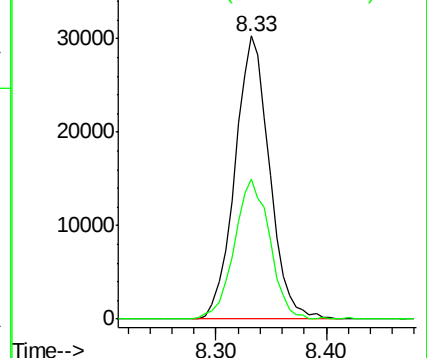
65 100

67 50.6 0.0 103.0



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: VD065912.D

Acq: 01 Jul 2020 18:03

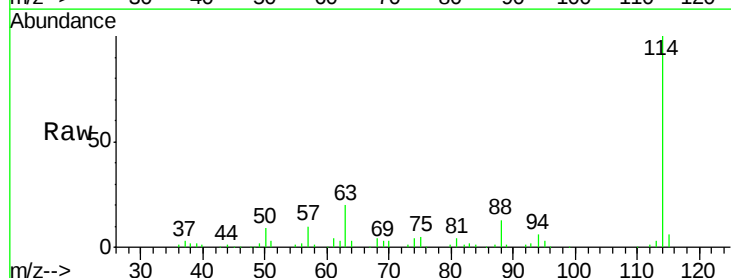
Tgt Ion: 114 Resp: 212253

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

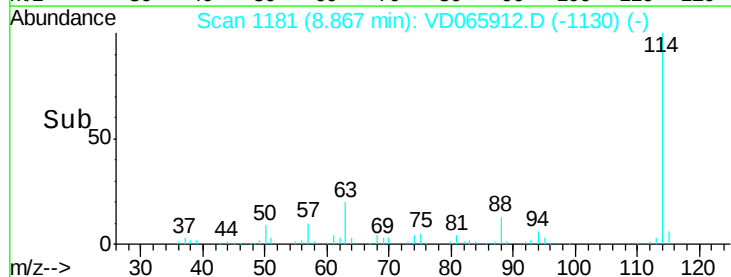
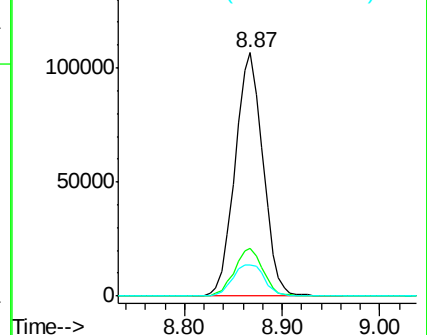
88 12.8 0.0 29.0

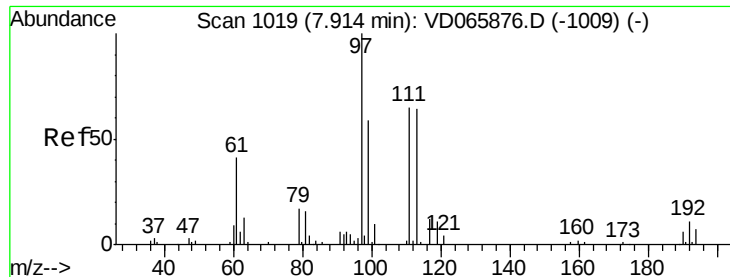


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

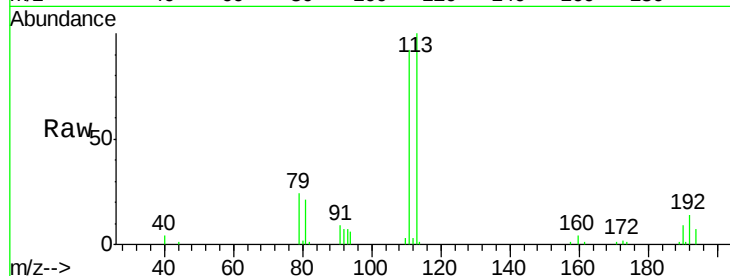




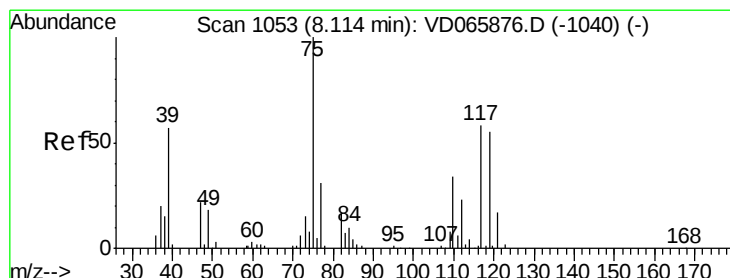
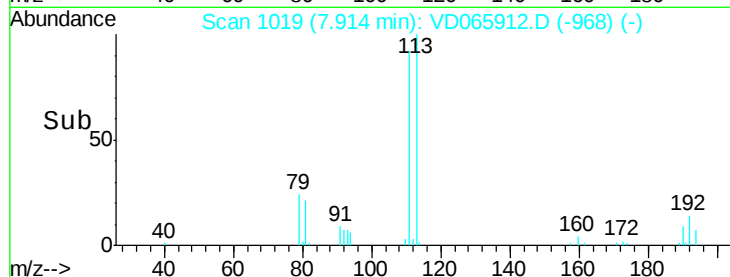
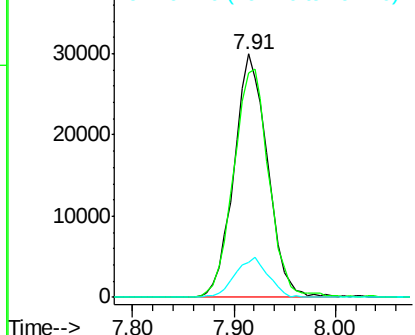
#35
Dibromofluoromethane
Concen: 52.598 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD065912.D
Acq: 01 Jul 2020 18:03

Instrument :
MSVOA_D
ClientSampleId :
TP6-SS

Tot Ion:113 Resp: 69006
Ion Ratio Lower Upper
113 100
111 98.3 81.0 121.6
192 16.1 15.2 22.8

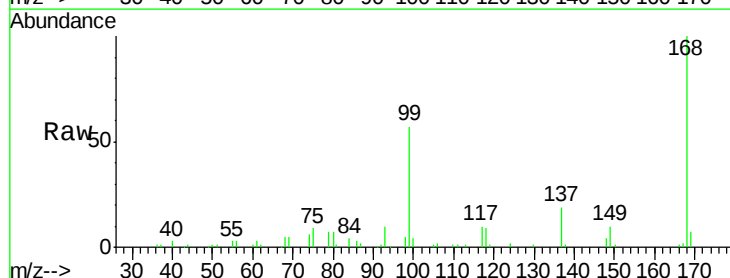


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

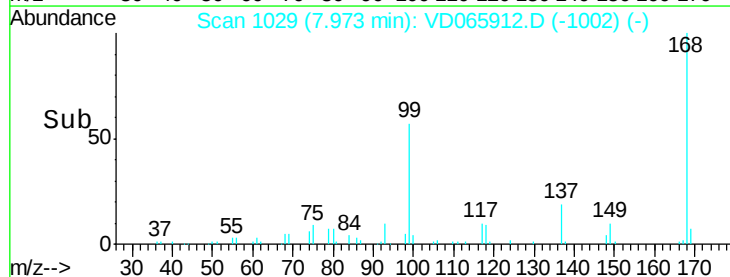
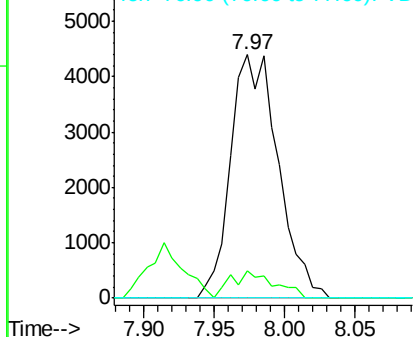


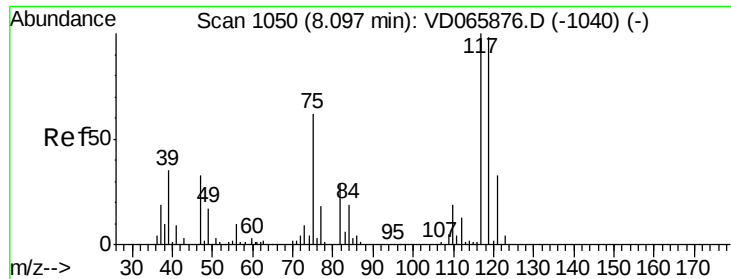
#36
1,1-Dichloropropene
Concen: 5.008 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD065912.D
Acq: 01 Jul 2020 18:03

Tgt Ion: 75 Resp: 10365
Ion Ratio Lower Upper
75 100
110 10.2 16.8 50.4#
77 0.0 24.0 36.0#



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





#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampleId :

TP6-SS

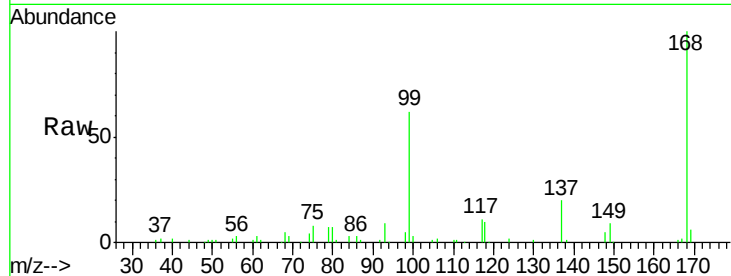
Tot Ion:117 Resp: 13040

Ion Ratio Lower Upper

117 100

119 3.9 78.6 117.8#

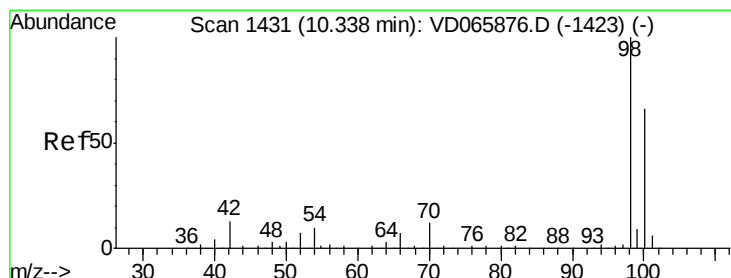
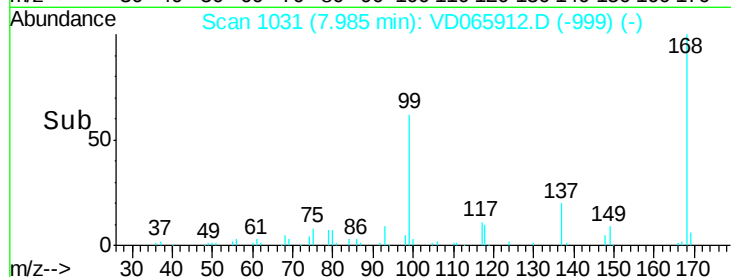
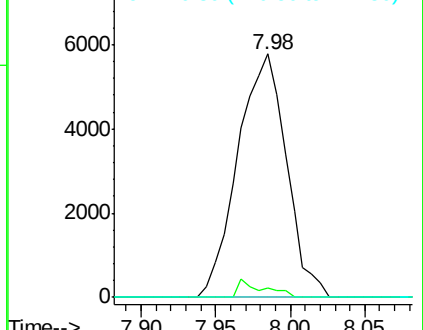
121 0.0 26.5 39.7#



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: 46.934 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065912.D

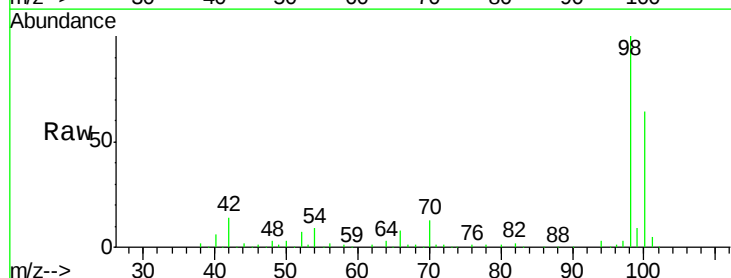
Acq: 01 Jul 2020 18:03

Tgt Ion: 98 Resp: 231626

Ion Ratio Lower Upper

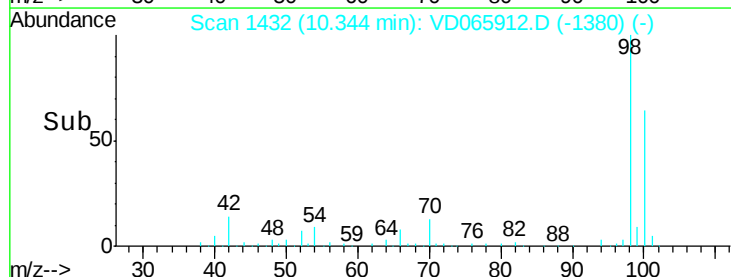
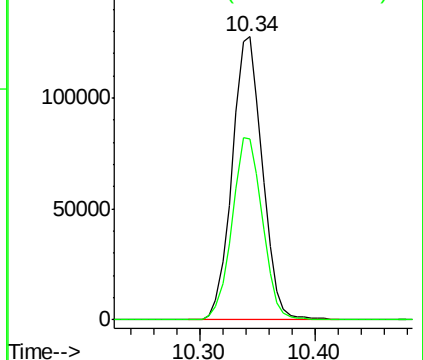
98 100

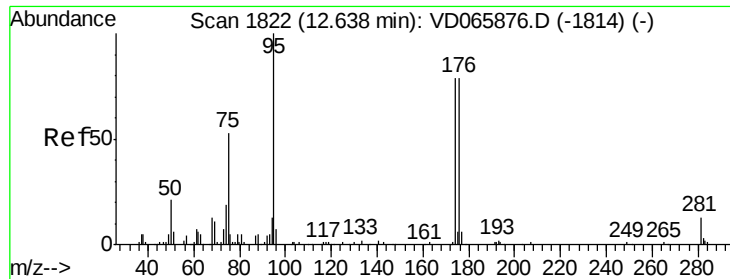
100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

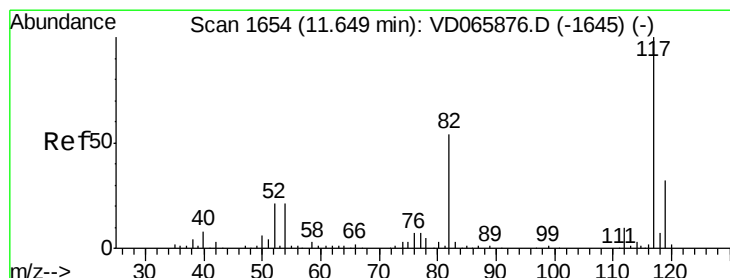
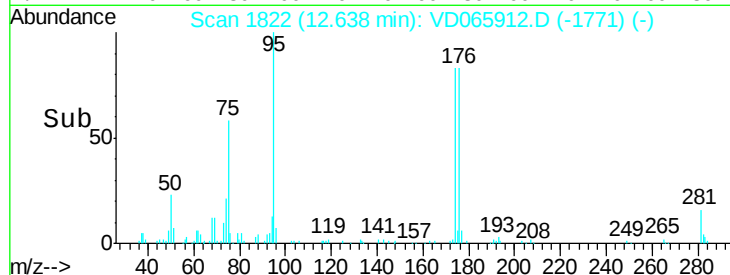
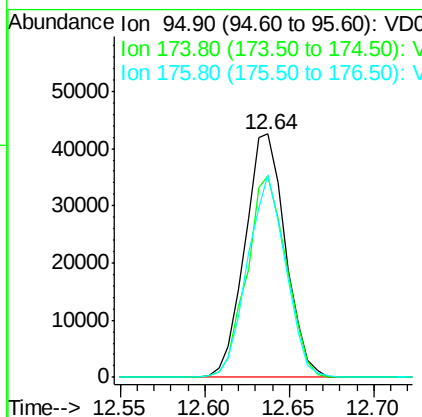
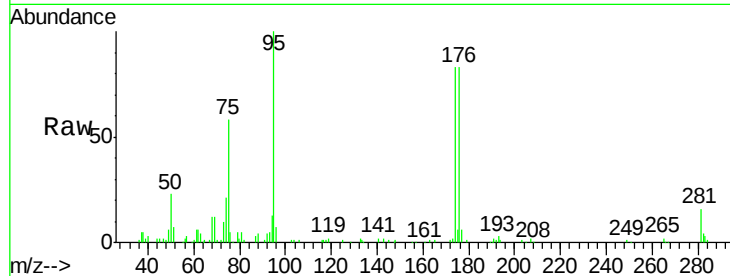




#62
4-Bromofluorobenzene
Concen: 43.943 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065912.D
Acq: 01 Jul 2020 18:03

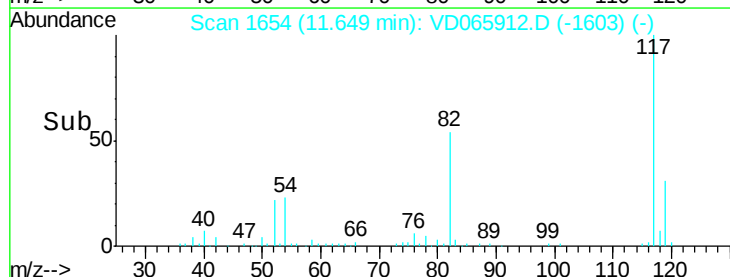
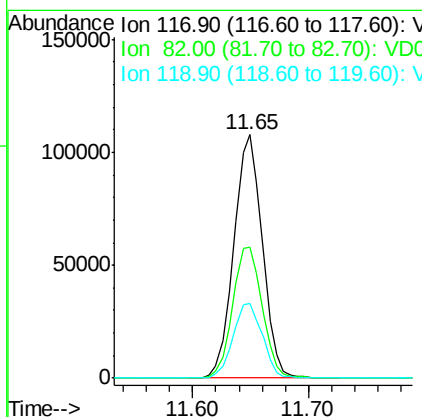
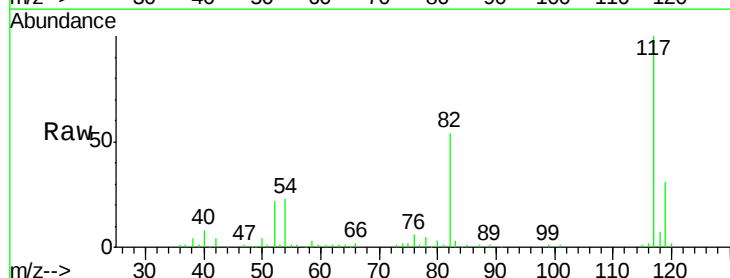
Instrument :
MSVOA_D
ClientSampled :
TP6-SS

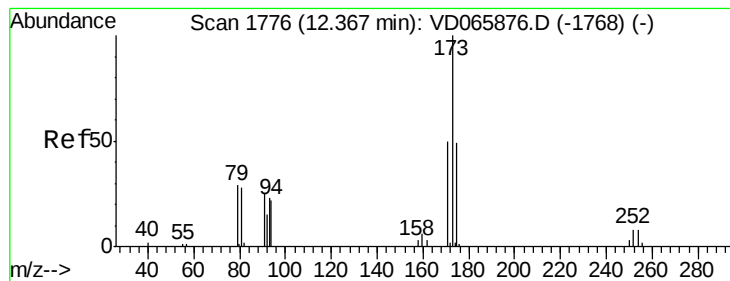
Tot Ion: 95 Resp: 71045
Ion Ratio Lower Upper
95 100
174 81.1 0.0 158.4
176 78.3 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065912.D
Acq: 01 Jul 2020 18:03

Tgt Ion: 117 Resp: 184006
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 30.9 25.9 38.9





#71

Bromoform

Concen: 1.539 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.26 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampleId :

TP6-SS

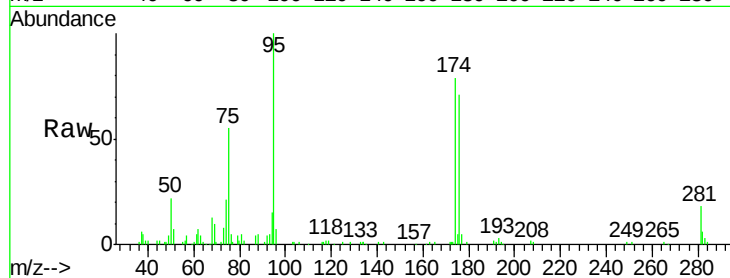
Tot Ion:173 Resp: 1111

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

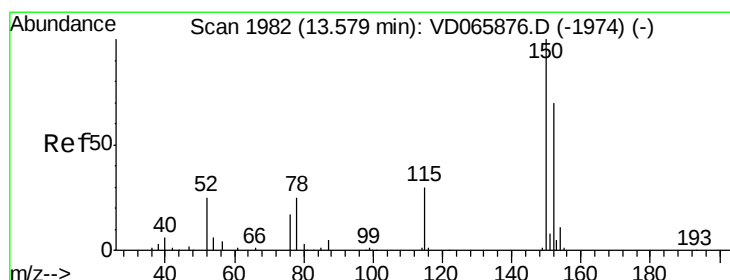
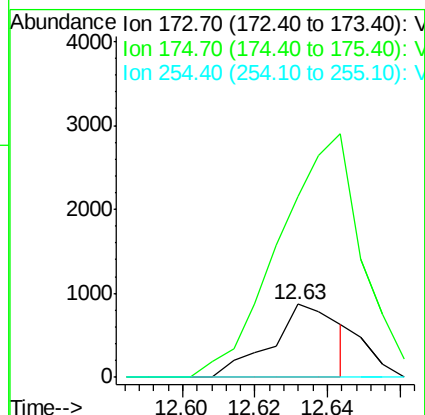
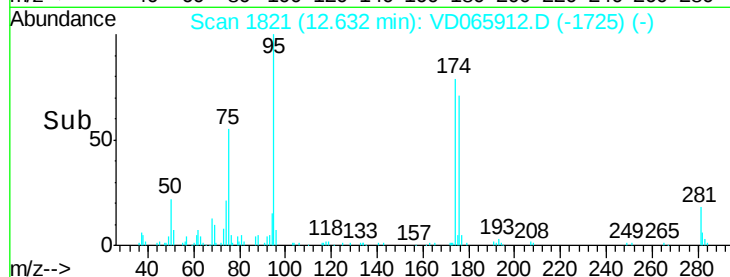
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

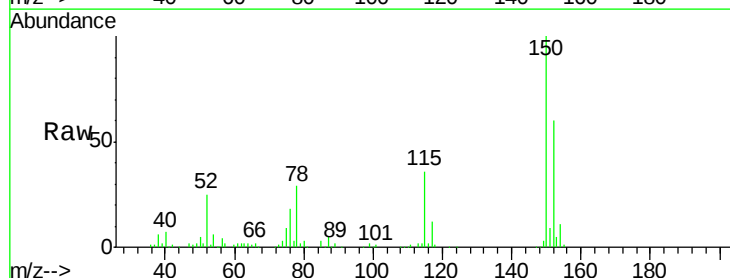
Tgt Ion:152 Resp: 74878

Ion Ratio Lower Upper

152 100

115 59.4 29.7 89.1

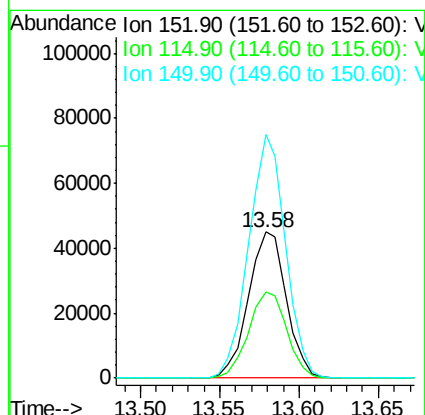
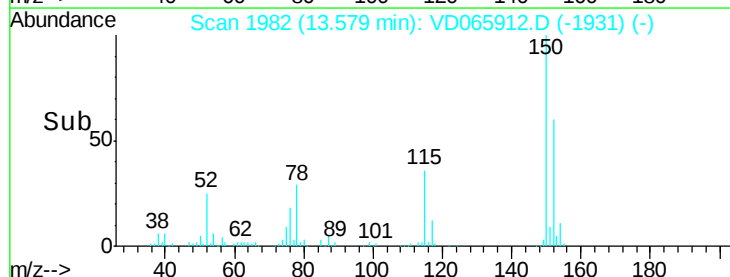
150 161.0 0.0 346.2

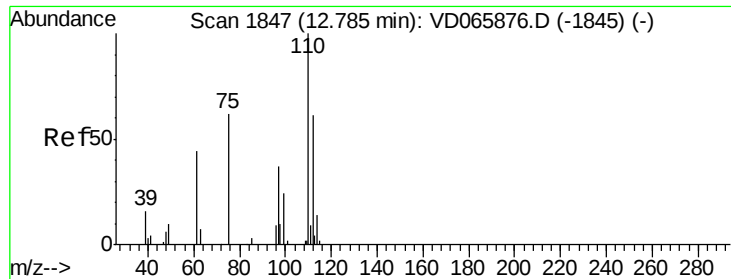


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.084 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampled :

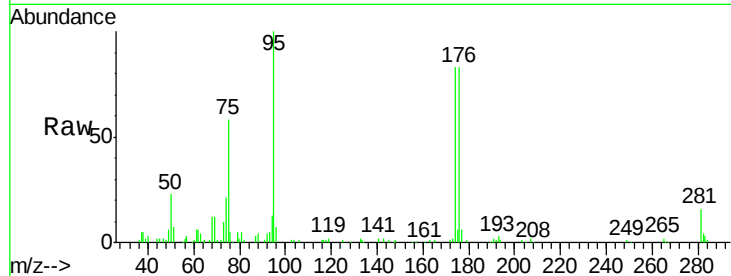
TP6-SS

Tot Ion: 75 Resp: 40022

Ion Ratio Lower Upper

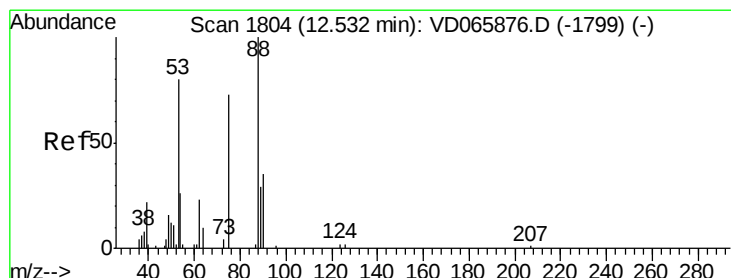
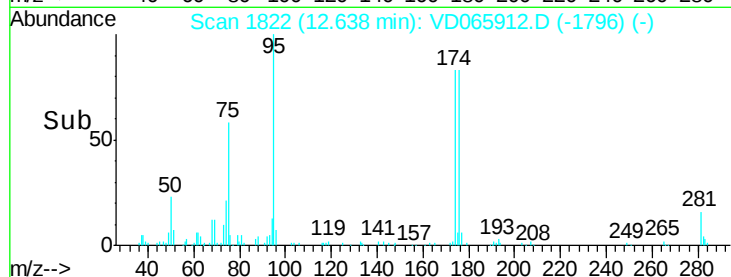
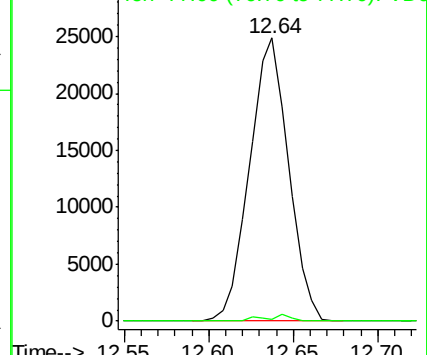
75 100

77 0.8 168.5 505.5#



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: 131.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065912.D

Acq: 01 Jul 2020 18:03

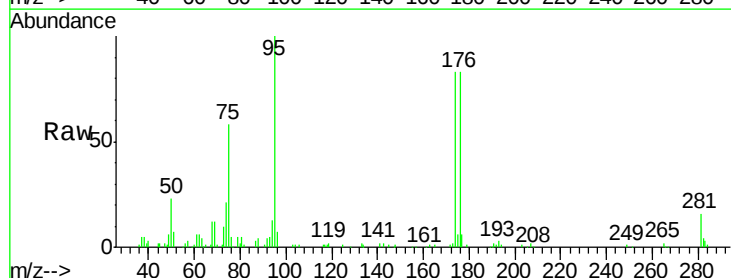
Tgt Ion: 75 Resp: 40022

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

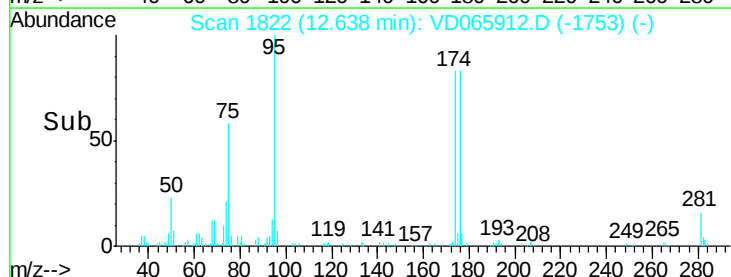
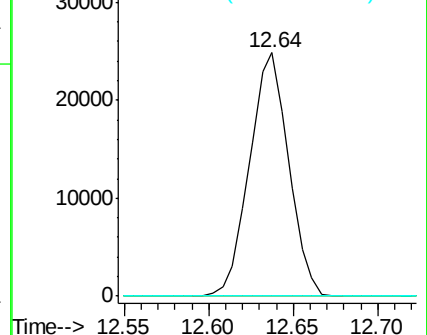
89 0.0 36.5 54.7#

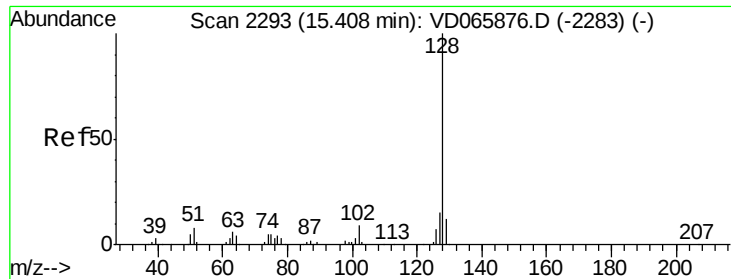


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.464 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065912.D

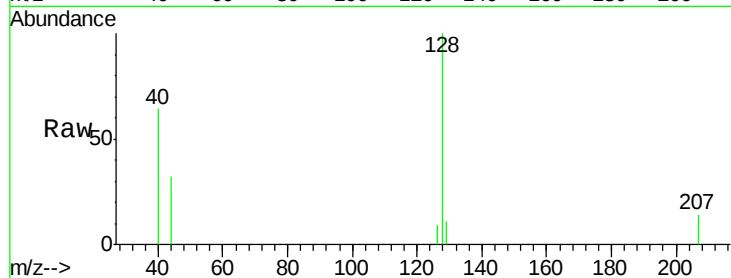
Acq: 01 Jul 2020 18:03

Instrument :

MSVOA_D

ClientSampleId :

TP6-SS



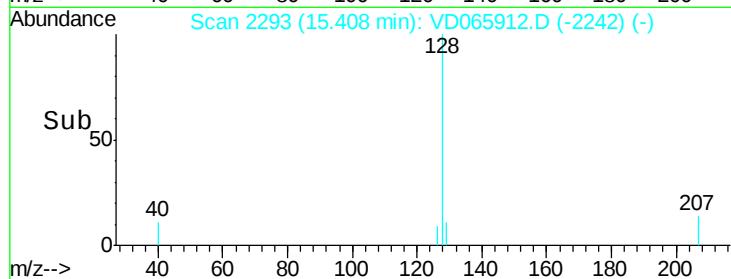
Tot Ion:128 Resp: 3419

Ion Ratio Lower Upper

128 100

127 1.7 10.8 16.2#

129 7.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

