

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065909.D
 Acq On : 01 Jul 2020 16:42
 Operator : VA/SY
 Sample : L3172-07
 Misc : 4.993G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4-SS

Quant Time: Jul 02 04:45:41 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	7.97	168	18780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	35032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	35878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	16866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	18809	96.40	ug/l	0.00
Spiked Amount			Recovery	=	192.80%	
35) Dibromofluoromethane	7.91	113	12868	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
50) Toluene-d8	10.34	98	37522	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
62) 4-Bromofluorobenzene	12.64	95	14514	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	

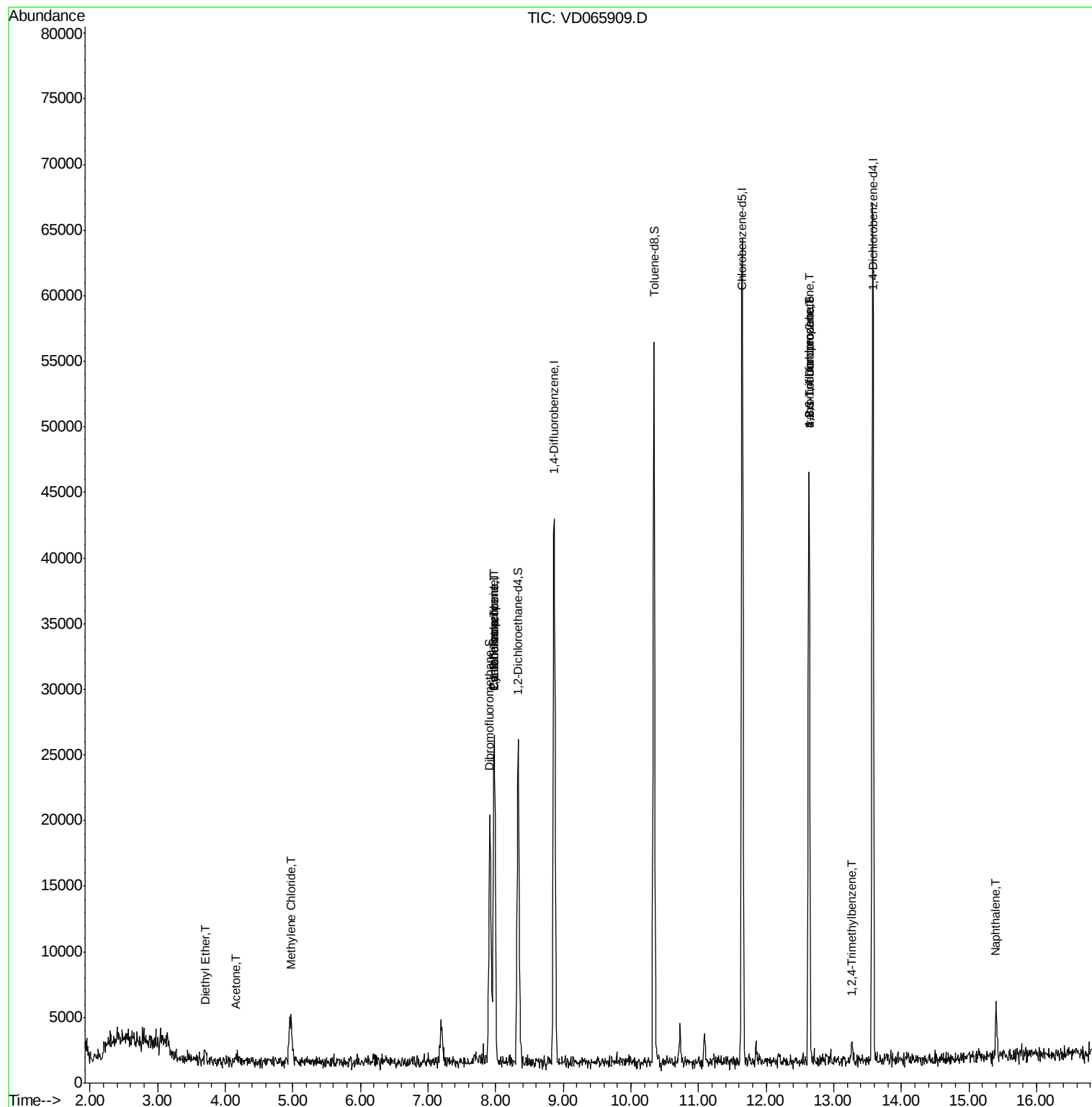
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	182	1.984	ug/l #	1
16) Acetone	4.17	43	543	14.205	ug/l #	51
20) Methylene Chloride	4.97	84	2927	10.384	ug/l #	76
31) Cyclohexane	7.98	56	436	1.247	ug/l #	59
36) 1,1-Dichloropropene	7.98	75	1512	4.426	ug/l #	43
38) Carbon Tetrachloride	7.98	117	1936	5.248	ug/l #	11
76) 1,2,3-Trichloropropane	12.64	75	8017	54.323	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	8017	116.704	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.27	105	1198	1.204	ug/l	81
95) Naphthalene	15.41	128	4051	7.699	ug/l #	92

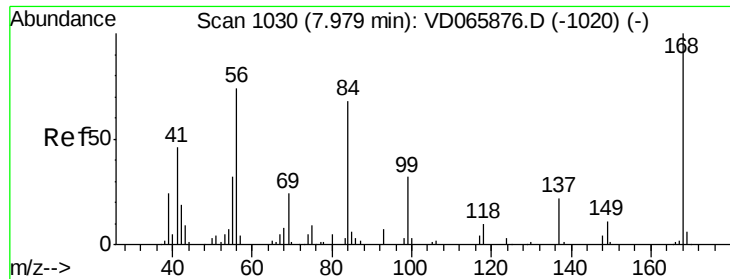
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
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Quant Time: Jul 02 04:45:41 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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

Instrument :

MSVOA_D

ClientSampleId :

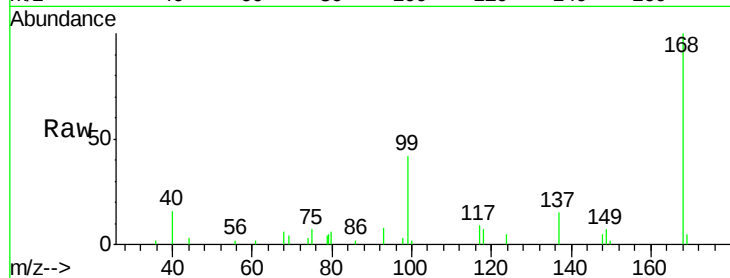
TP4-SS

Tot Ion:168 Resp: 18780

Ion Ratio Lower Upper

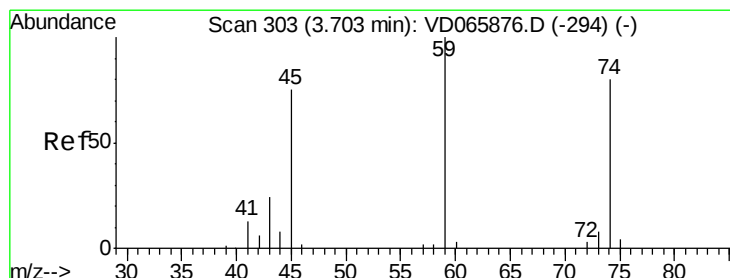
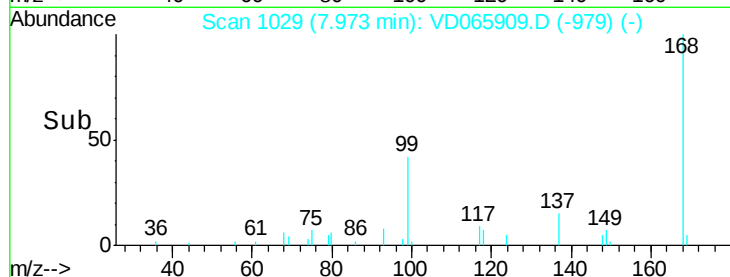
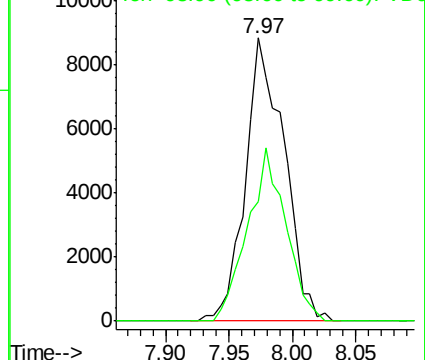
168 100

99 42.0 51.3 76.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.984 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.00 min

Lab File: VD065909.D

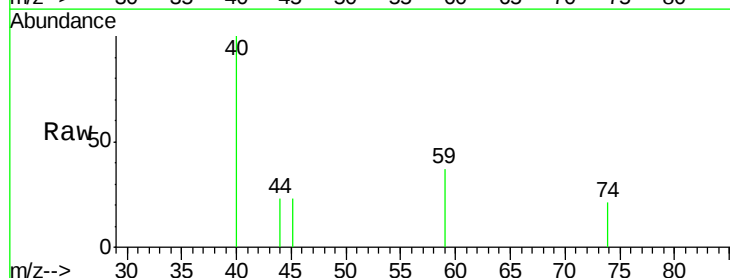
Acq: 01 Jul 2020 16:42

Tgt Ion: 74 Resp: 182

Ion Ratio Lower Upper

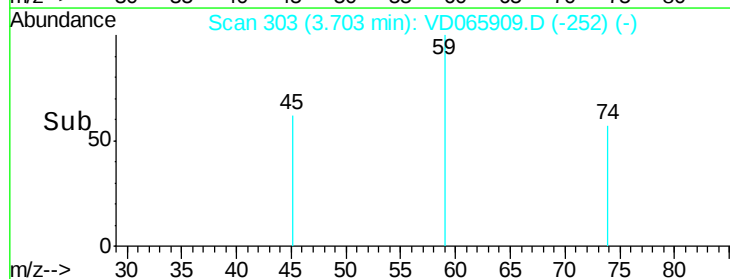
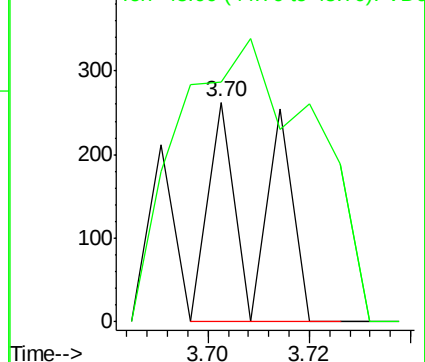
74 100

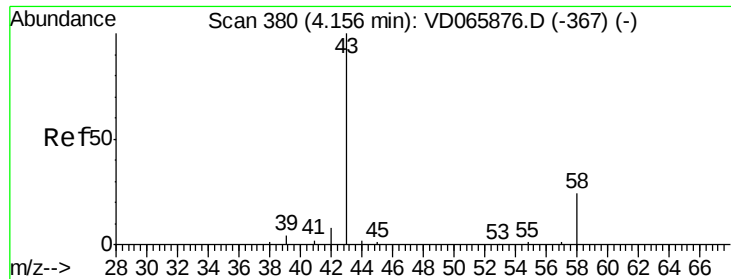
45 342.3 48.6 145.8#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 14.205 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

Instrument :

MSVOA_D

ClientSampled :

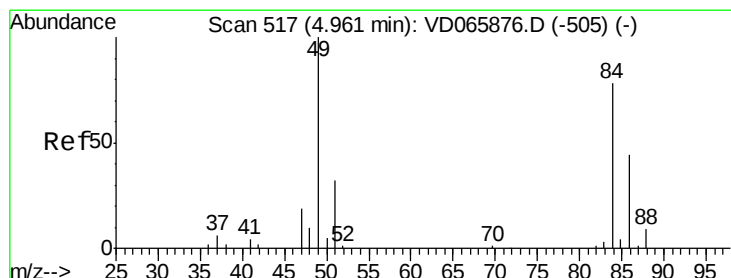
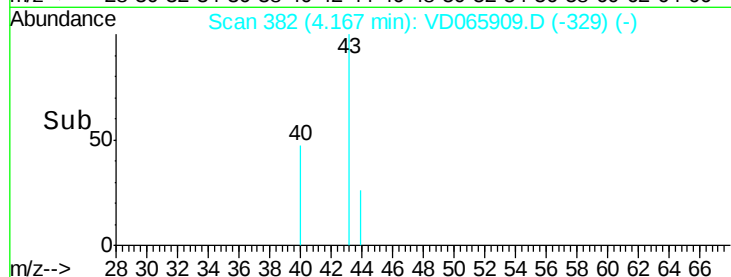
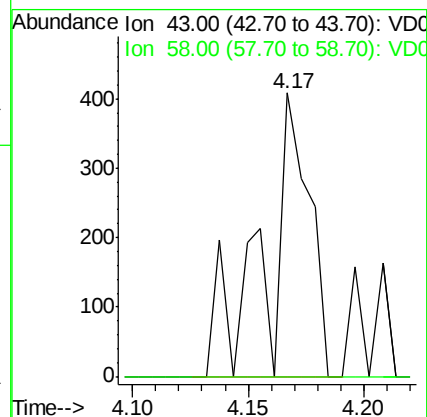
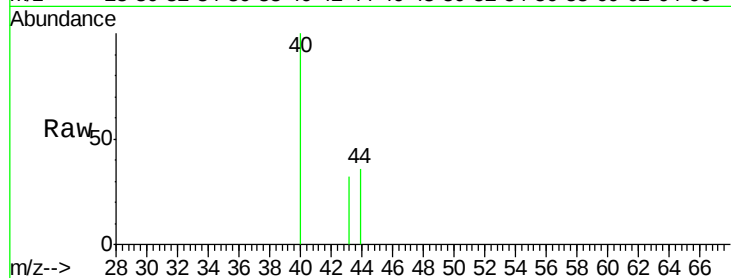
TP4-SS

Tot Ion: 43 Resp: 543

Ion Ratio Lower Upper

43 100

58 0.0 19.5 29.3#



#20

Methylene Chloride

Concen: 10.384 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

Tgt Ion: 84 Resp: 2927

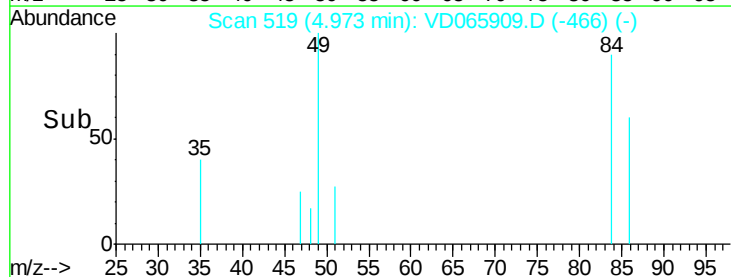
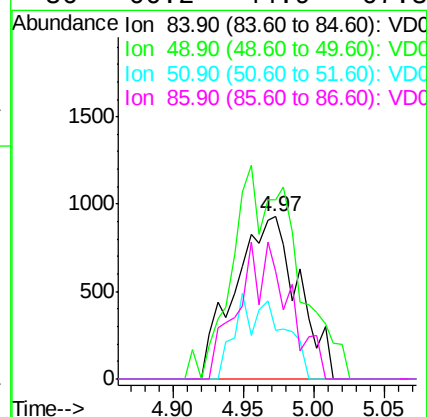
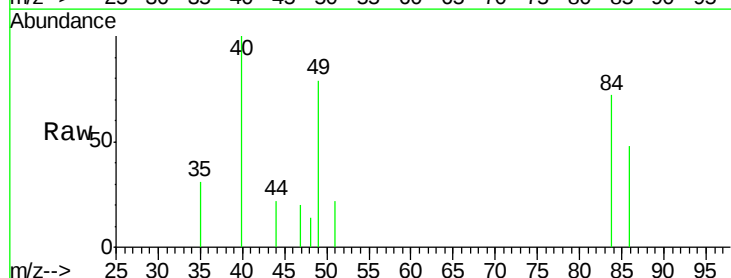
Ion Ratio Lower Upper

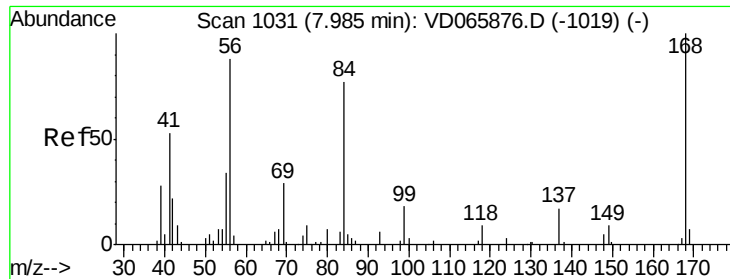
84 100

49 92.8 103.0 154.6#

51 30.1 32.7 49.1#

86 66.2 44.9 67.3

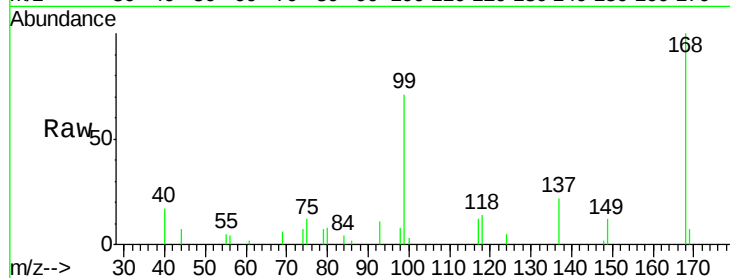




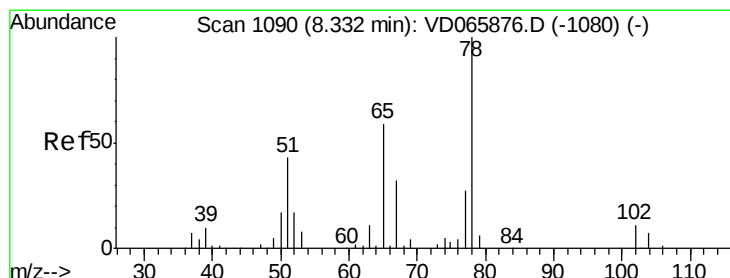
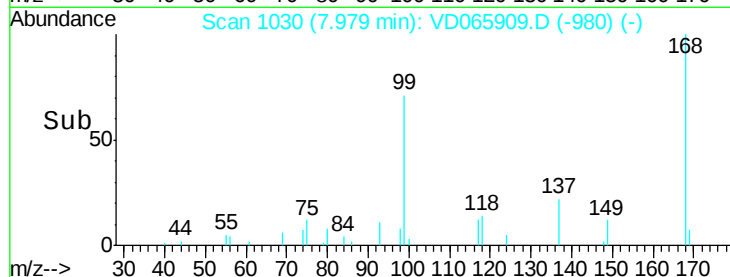
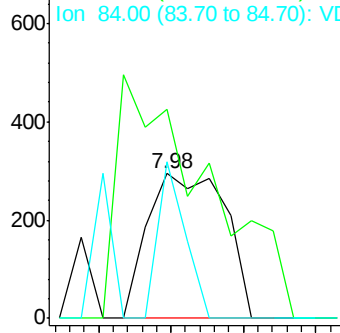
#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065909.D
Acq: 01 Jul 2020 16:42

Instrument :
MSVOA_D
ClientSampleId :
TP4-SS

Tot Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
69 84.4 26.2 39.4#
84 108.2 70.3 105.5#

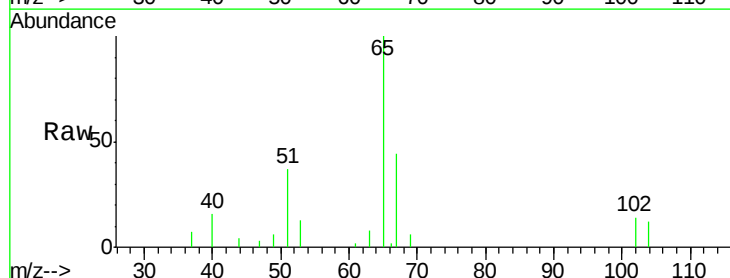


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

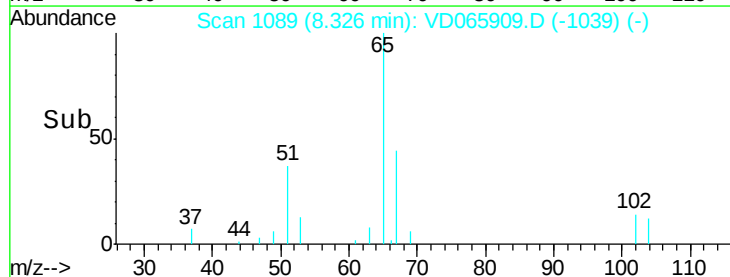
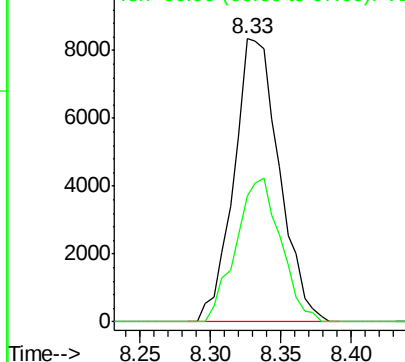


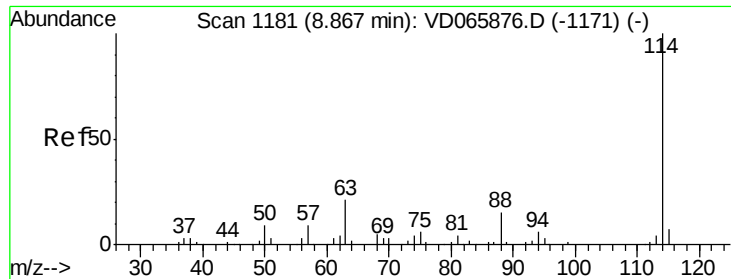
#33
1,2-Dichloroethane-d4
Concen: 96.404 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD065909.D
Acq: 01 Jul 2020 16:42

Tgt Ion: 65 Resp: 18809
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.0



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

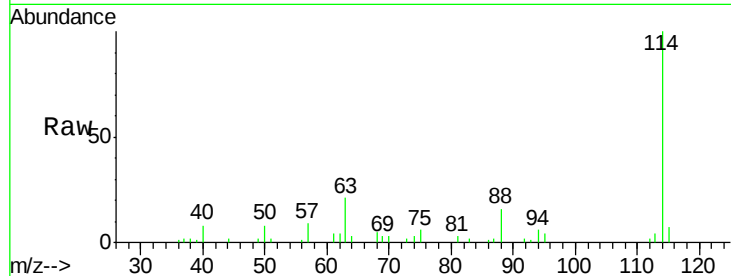




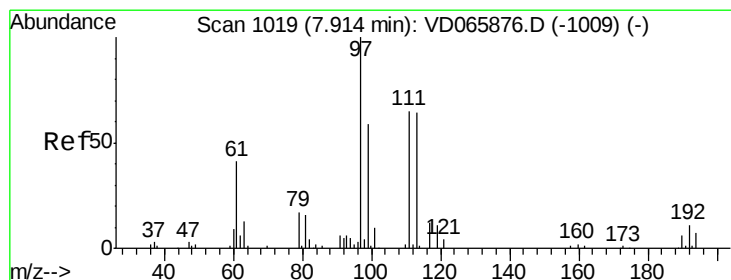
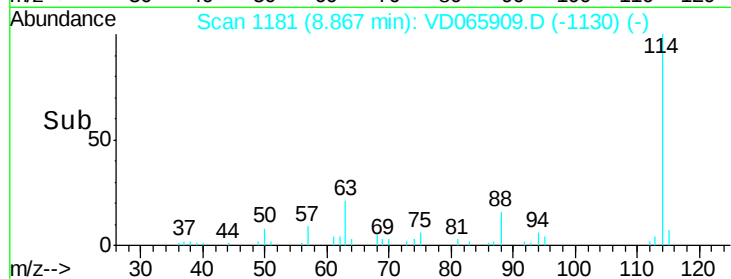
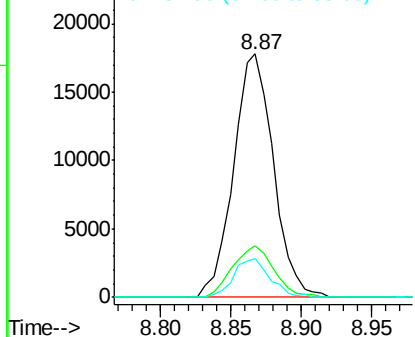
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065909.D
 Acq: 01 Jul 2020 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4-SS

Tot Ion:114 Resp: 35032
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 16.0 0.0 29.0

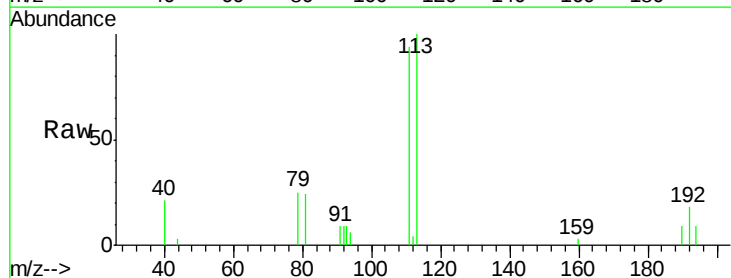


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

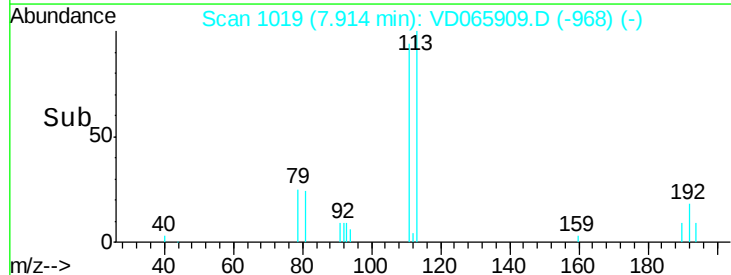
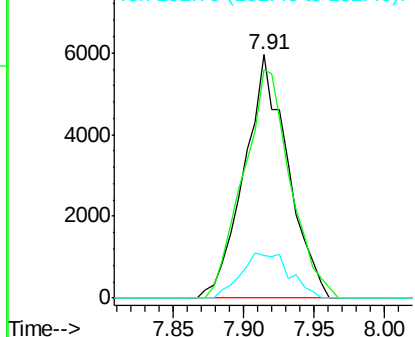


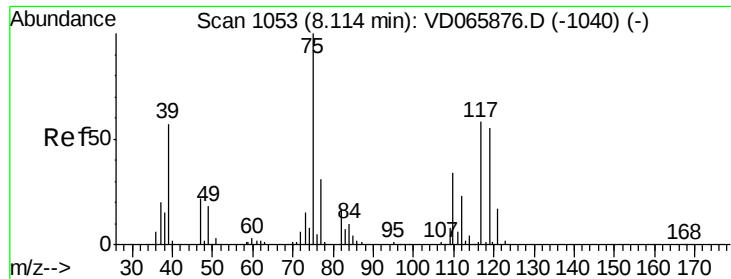
#35
 Dibromofluoromethane
 Concen: 59.427 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065909.D
 Acq: 01 Jul 2020 16:42

Tgt Ion:113 Resp: 12868
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.0 121.6
 192 20.6 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

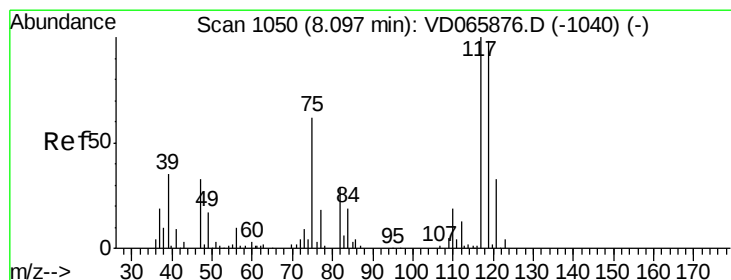
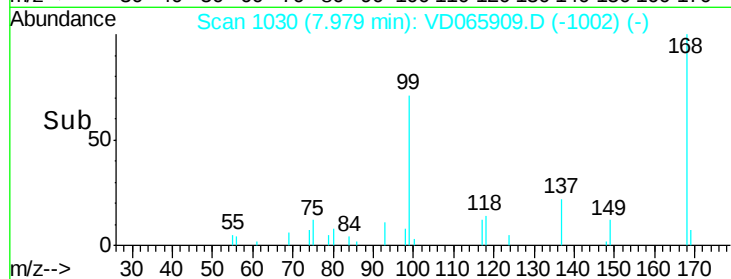
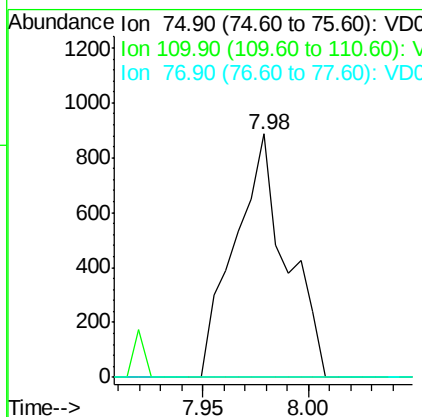
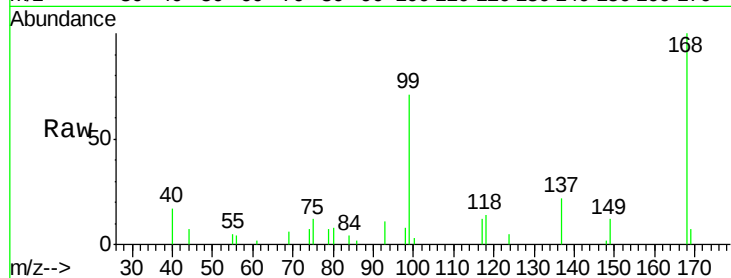




#36
 1,1-Dichloropropene
 Concen: 4.426 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065909.D
 Acq: 01 Jul 2020 16:42

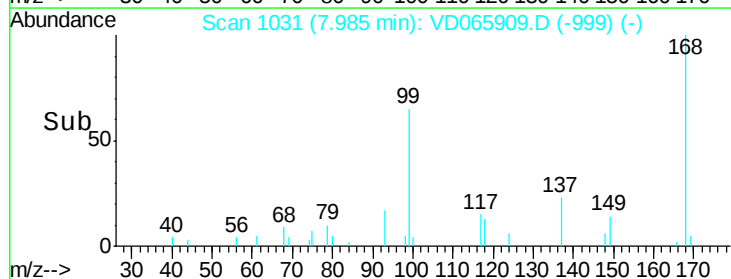
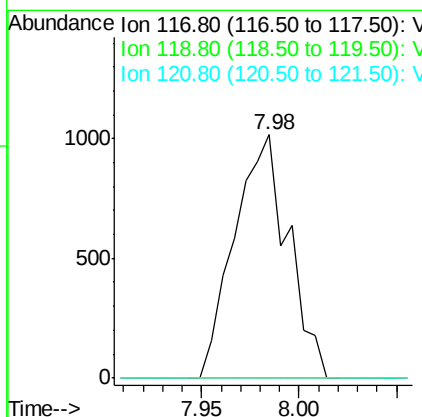
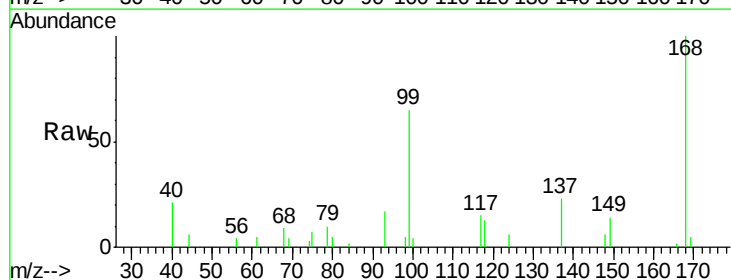
Instrument :
 MSVOA_D
 ClientSampleId :
 TP4-SS

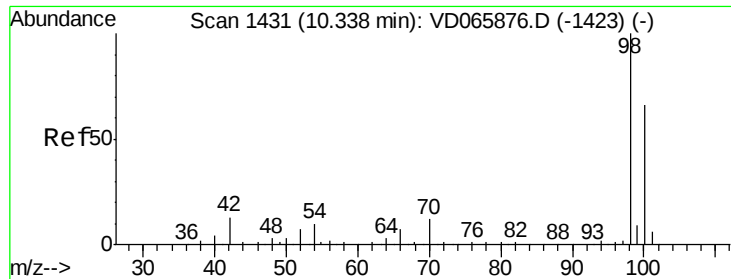
Tot Ion: 75 Resp: 1512
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.8 50.4#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.248 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065909.D
 Acq: 01 Jul 2020 16:42

Tgt Ion: 117 Resp: 1936
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.6 117.8#
 121 0.0 26.5 39.7#





#50

Toluene-d8

Concen: 46.066 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

Instrument :

MSVOA_D

ClientSampleId :

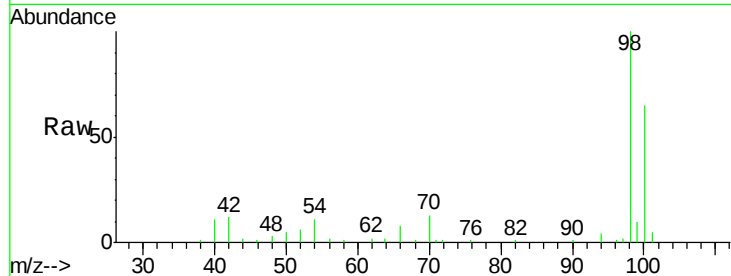
TP4-SS

Tot Ion: 98 Resp: 37522

Ion Ratio Lower Upper

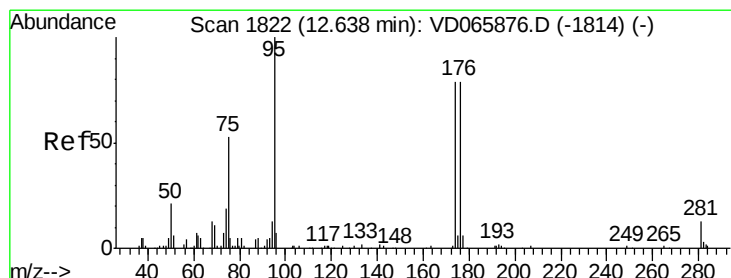
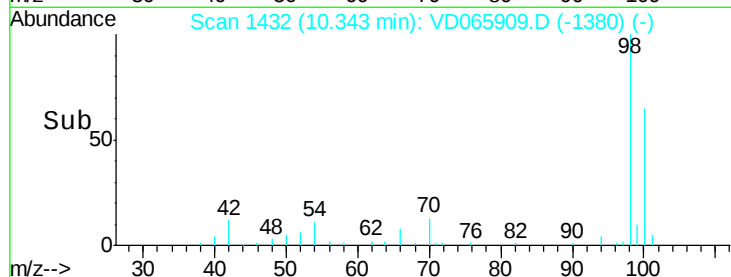
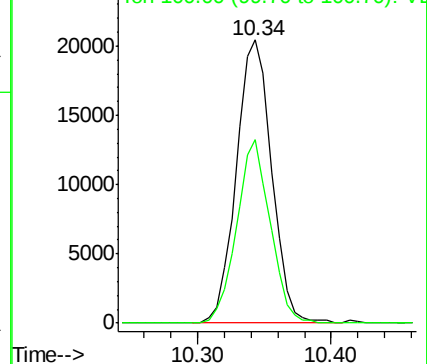
98 100

100 61.7 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: 54.392 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

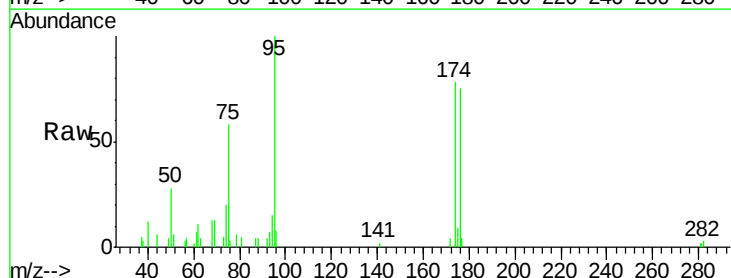
Tgt Ion: 95 Resp: 14514

Ion Ratio Lower Upper

95 100

174 76.4 0.0 158.4

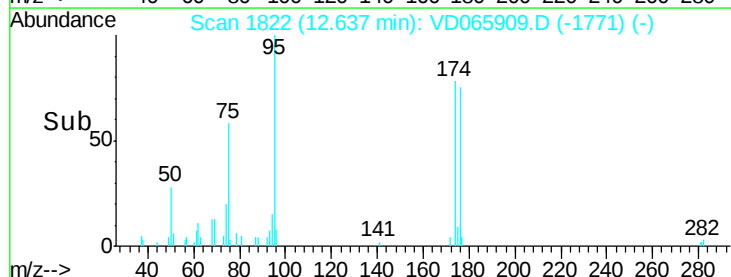
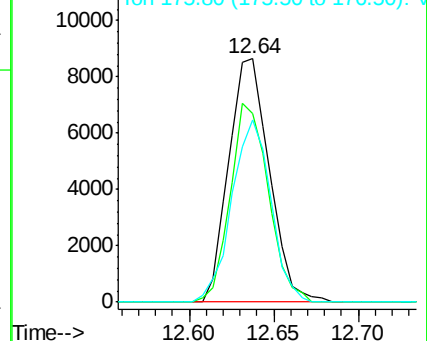
176 71.6 0.0 156.0

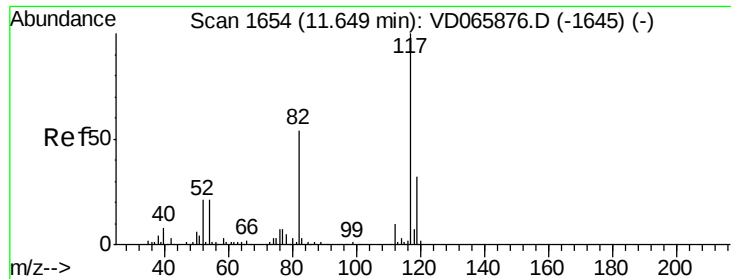


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

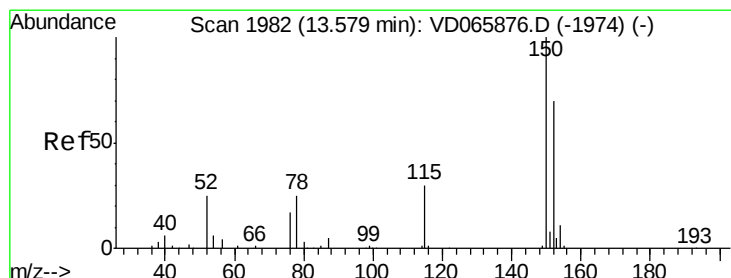
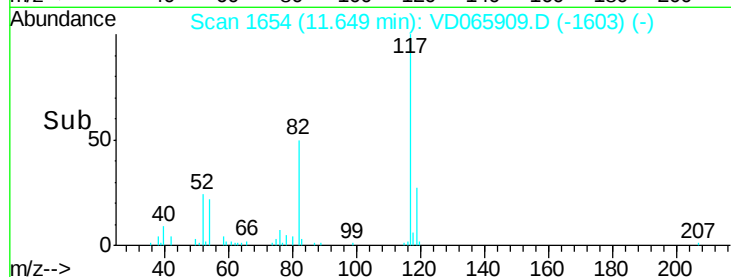
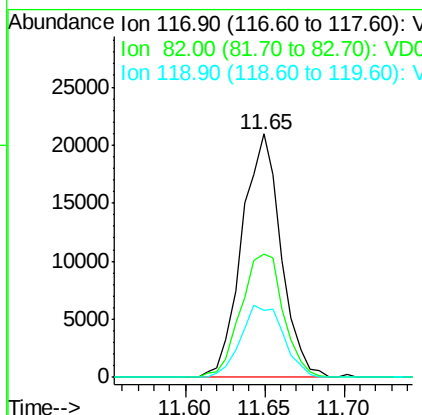
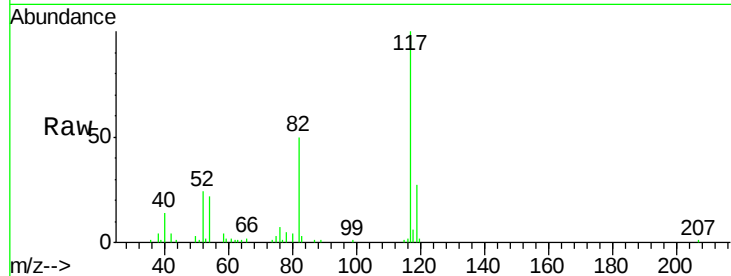




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065909.D
Acq: 01 Jul 2020 16:42

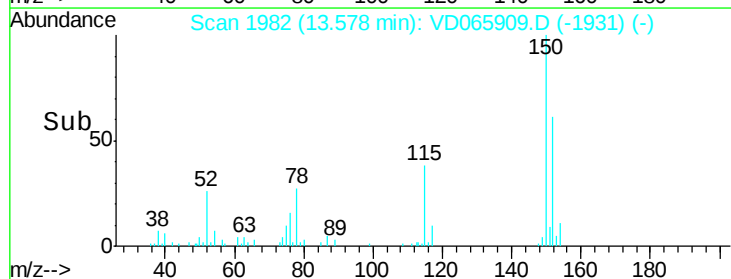
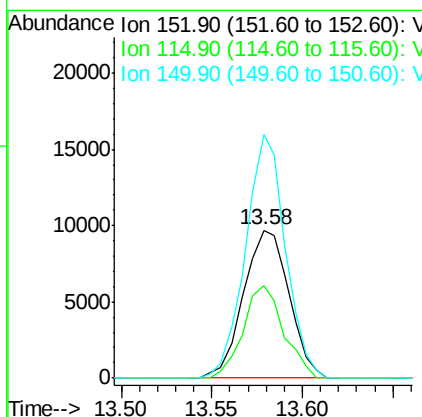
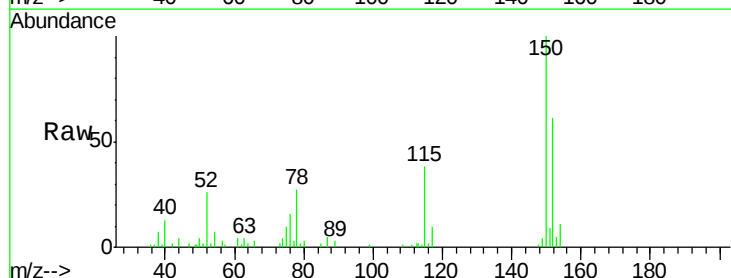
Instrument :
MSVOA_D
ClientSampled :
TP4-SS

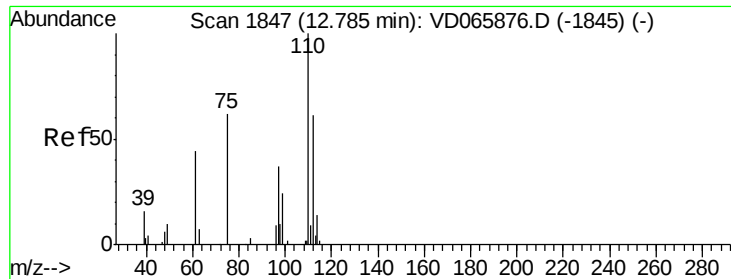
Tot Ion:117 Resp: 35878
Ion Ratio Lower Upper
117 100
82 50.4 43.6 65.4
119 27.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065909.D
Acq: 01 Jul 2020 16:42

Tgt Ion:152 Resp: 16866
Ion Ratio Lower Upper
152 100
115 55.6 29.7 89.1
150 144.6 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 54.323 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

Instrument :

MSVOA_D

ClientSampled :

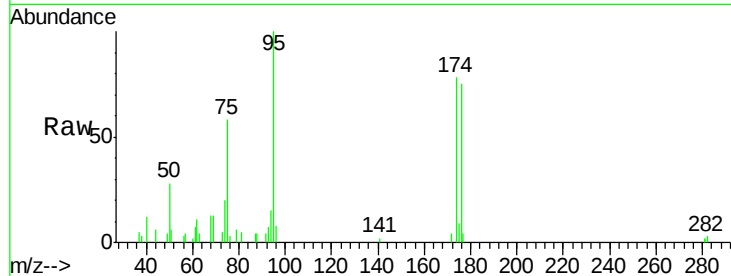
TP4-SS

Tot Ion: 75 Resp: 8017

Ion Ratio Lower Upper

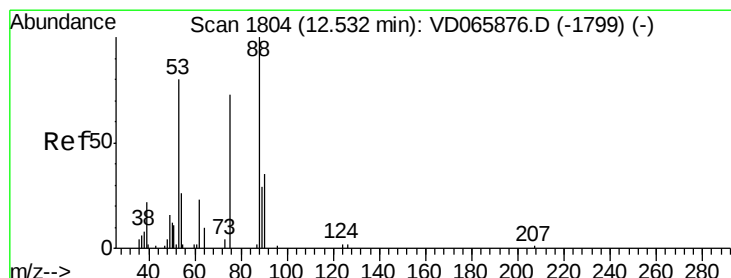
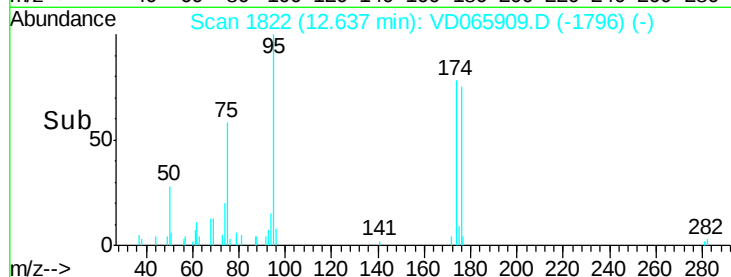
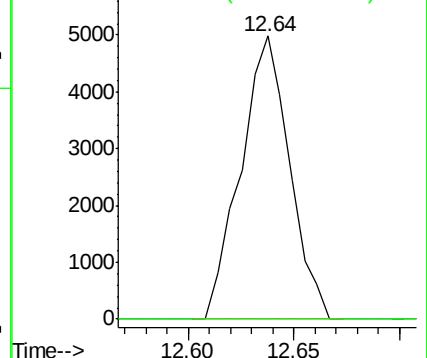
75 100

77 0.0 168.5 505.5#



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: 116.704 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

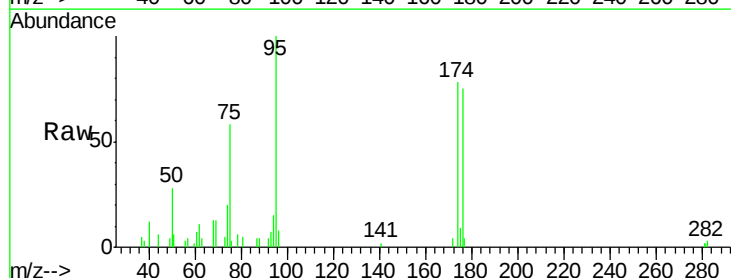
Tgt Ion: 75 Resp: 8017

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

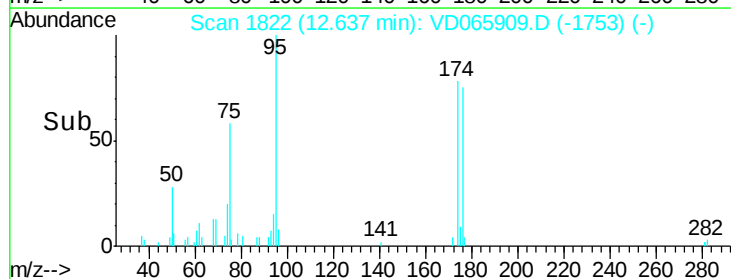
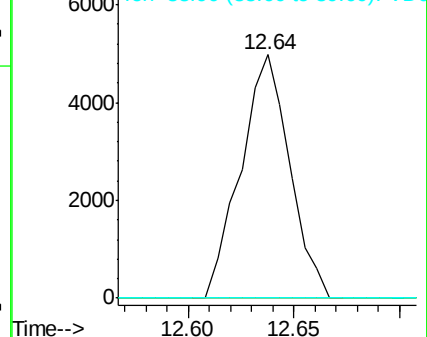
89 0.0 36.5 54.7#

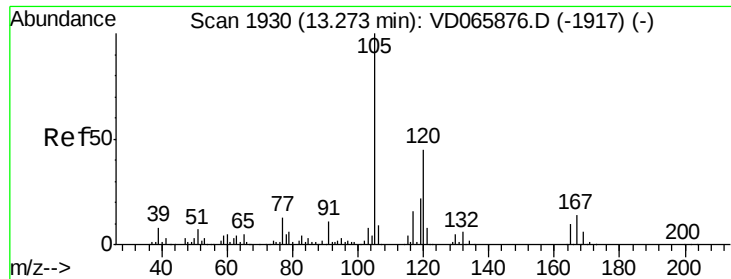


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 1.204 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

Instrument :

MSVOA_D

ClientSampleId :

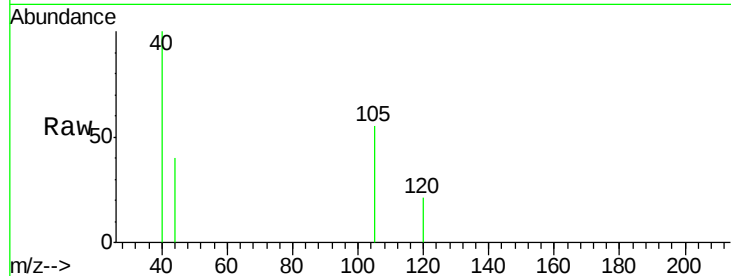
TP4-SS

Tot Ion:105 Resp: 1198

Ion Ratio Lower Upper

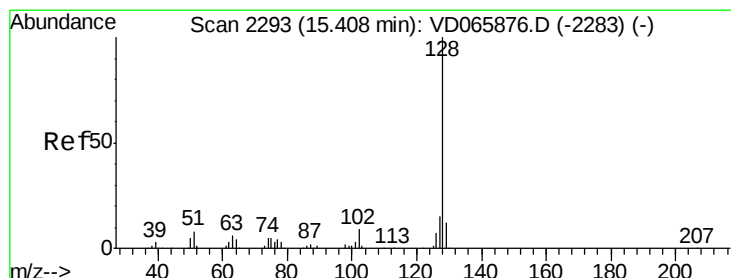
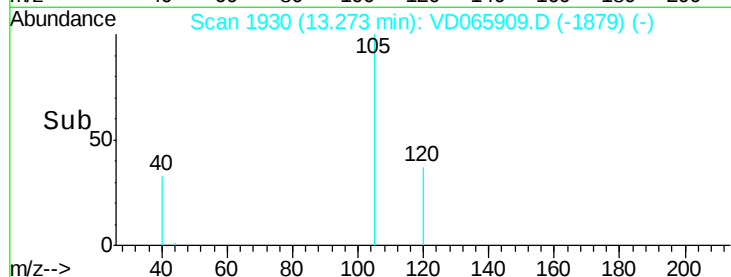
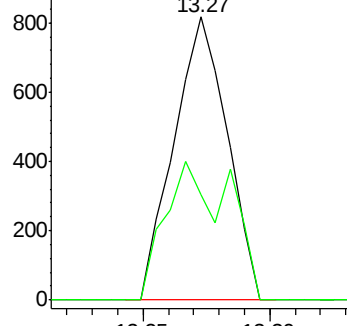
105 100

120 58.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 7.699 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065909.D

Acq: 01 Jul 2020 16:42

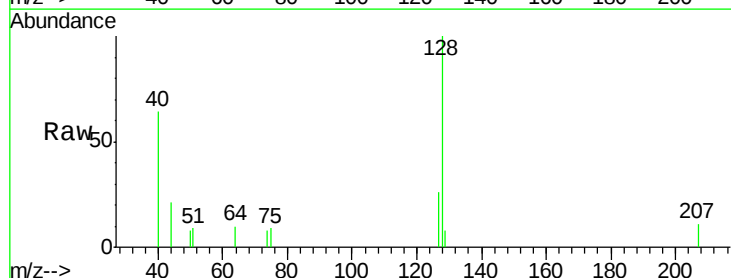
Tgt Ion:128 Resp: 4051

Ion Ratio Lower Upper

128 100

127 15.3 10.8 16.2

129 6.6 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

