

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065913.D
 Acq On : 01 Jul 2020 18:31
 Operator : VA/SY
 Sample : L3172-16
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7-SS

Quant Time: Jul 02 04:47:07 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	120715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	211045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	188674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	80414	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	70416	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
35) Dibromofluoromethane	7.91	113	66488	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	10.34	98	236924	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.63	95	73860	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

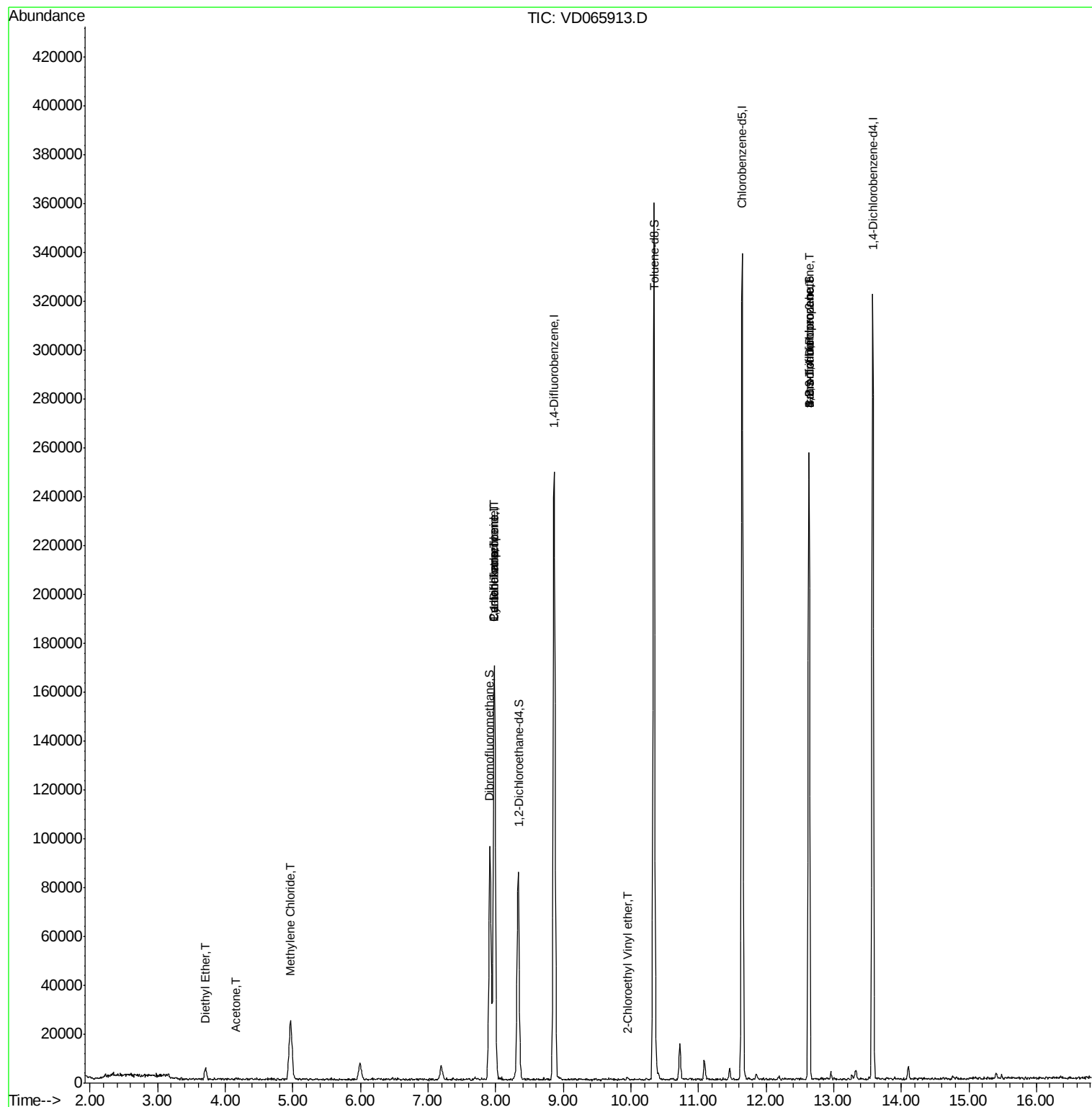
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2295	3.892	ug/l	74
11) Tert butyl alcohol	5.20	59	54	Below Cal	#	69
16) Acetone	4.16	43	635	2.584	ug/l #	57
20) Methylene Chloride	4.96	84	17812	9.507	ug/l	93
31) Cyclohexane	7.98	56	3301	1.469	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	10820	5.258	ug/l #	46
38) Carbon Tetrachloride	7.98	117	13424	6.041	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.96	63	633	1.158	ug/l #	46
71) Bromoform	12.64	173	1309	1.768	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	41768	59.360	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	41768	127.526	ug/l #	9

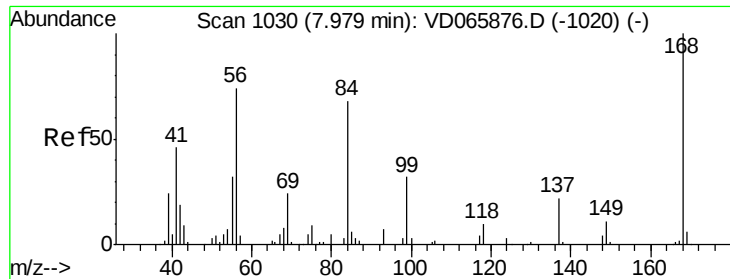
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. 0.00 min

Lab File: VD065913.D

Acq: 01 Jul 2020 18:31

Instrument :

MSVOA_D

ClientSampleId :

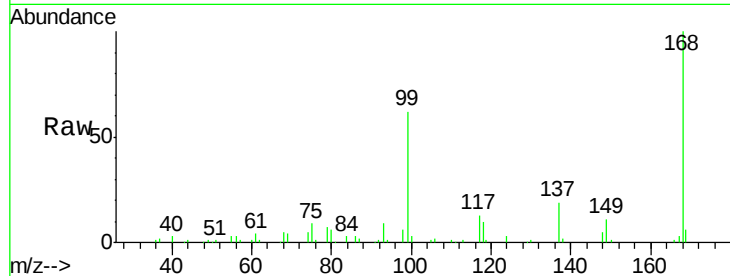
TP7-SS

Tot Ion:168 Resp: 120715

Ion Ratio Lower Upper

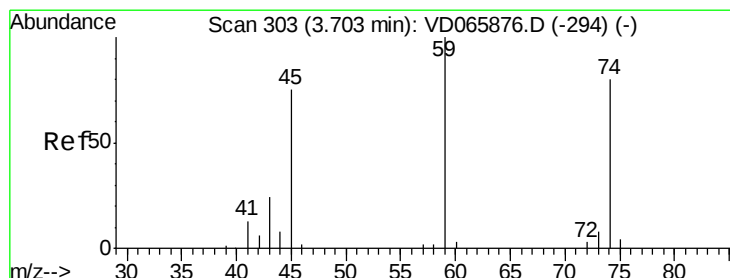
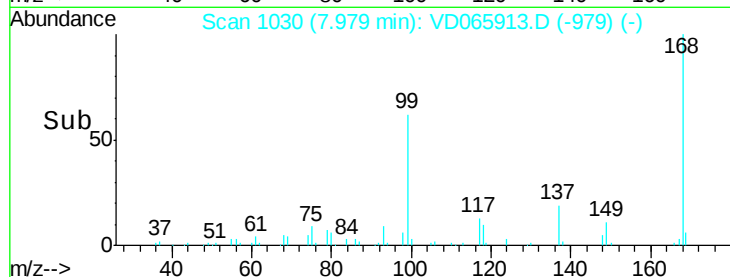
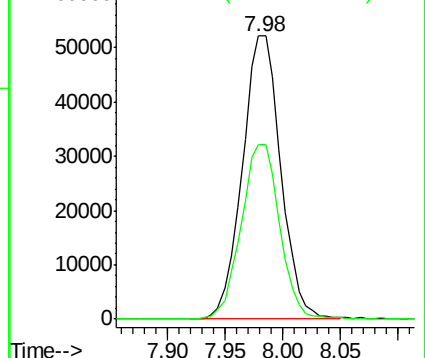
168 100

99 61.6 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: 3.892 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.00 min

Lab File: VD065913.D

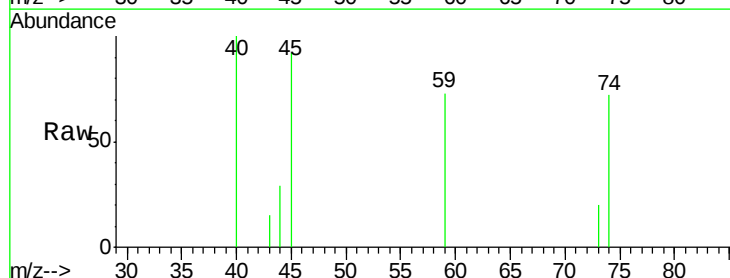
Acq: 01 Jul 2020 18:31

Tgt Ion: 74 Resp: 2295

Ion Ratio Lower Upper

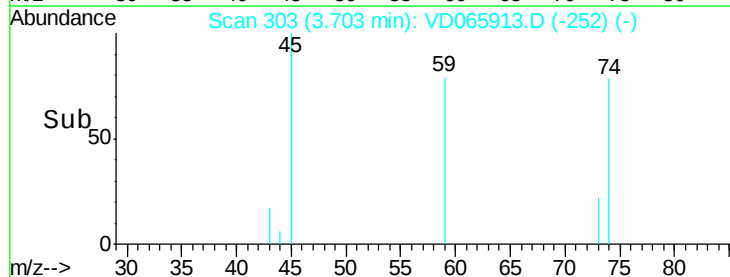
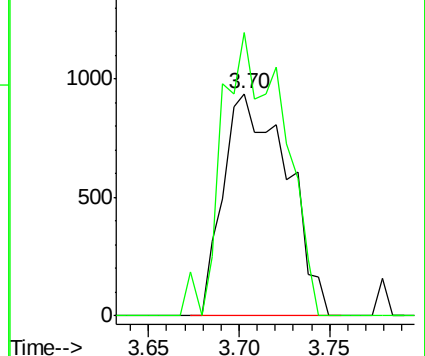
74 100

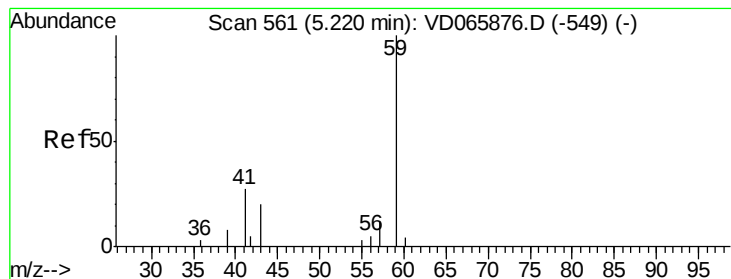
45 123.1 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



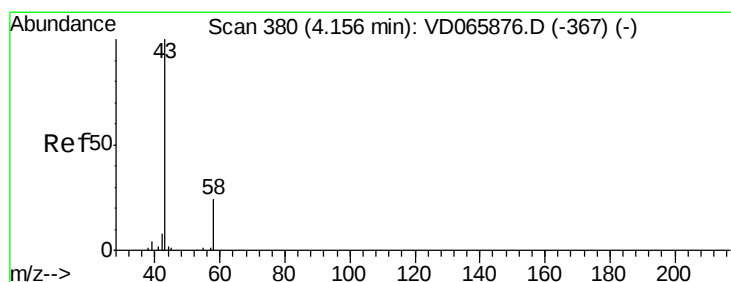
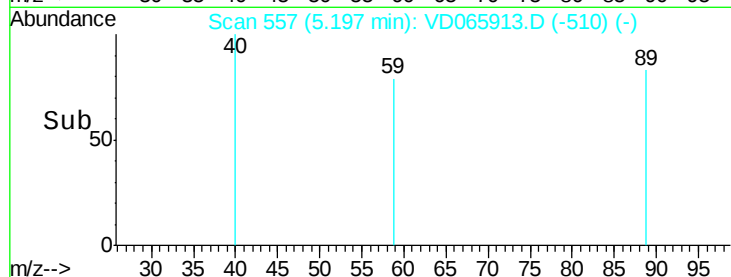
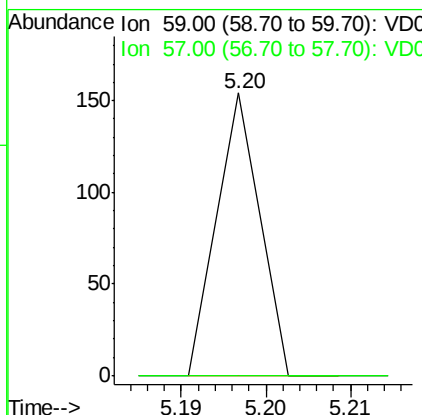
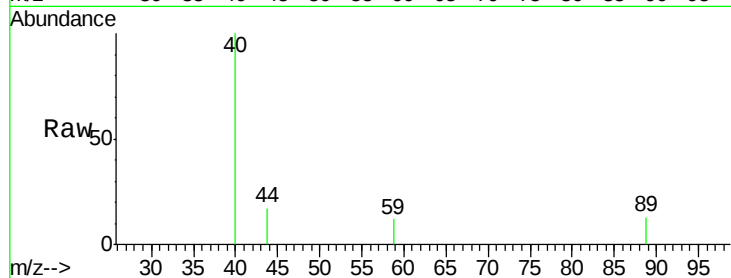


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD065913.D
 Acq: 01 Jul 2020 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7-SS

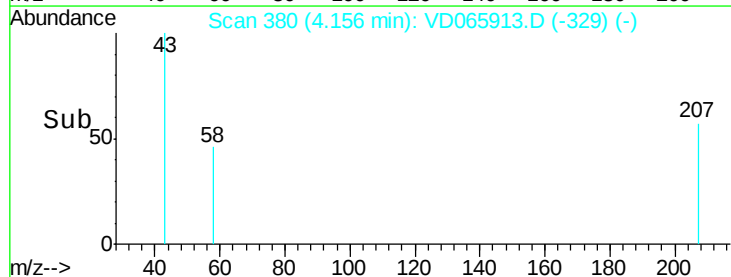
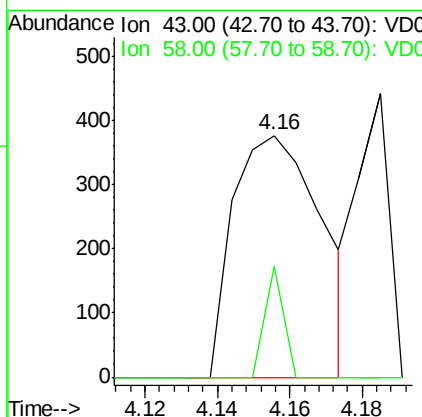
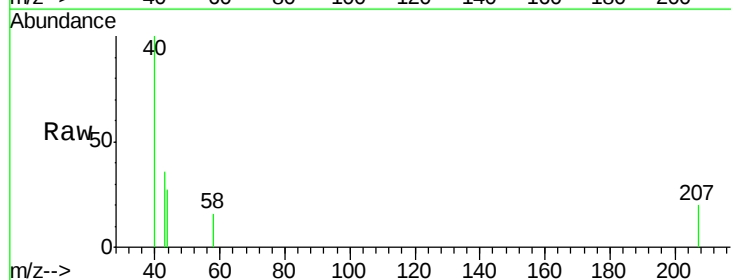
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.7 14.5#

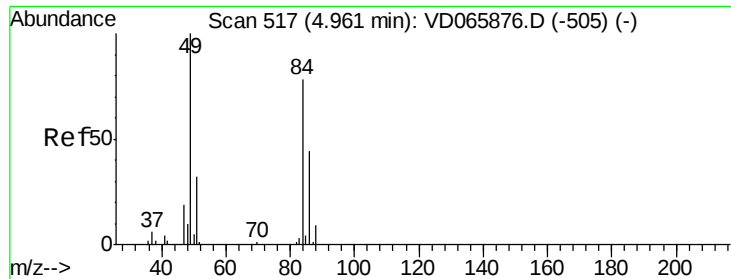


#16

Acetone
 Concen: 2.584 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD065913.D
 Acq: 01 Jul 2020 18:31

Tgt Ion: 43 Resp: 635
 Ion Ratio Lower Upper
 43 100
 58 45.7 19.5 29.3#

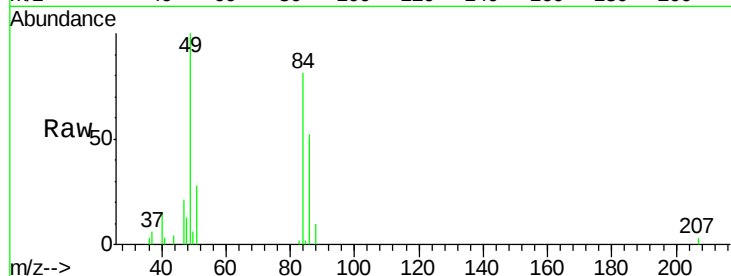




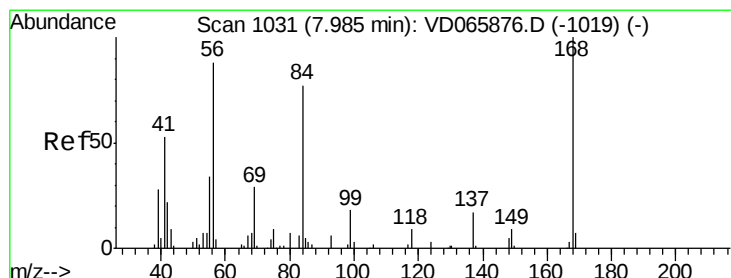
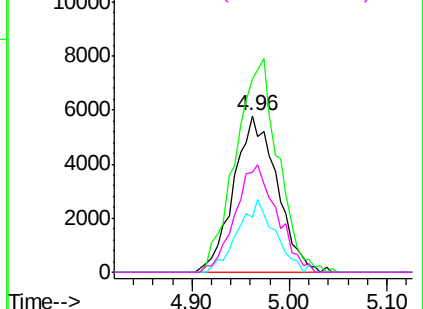
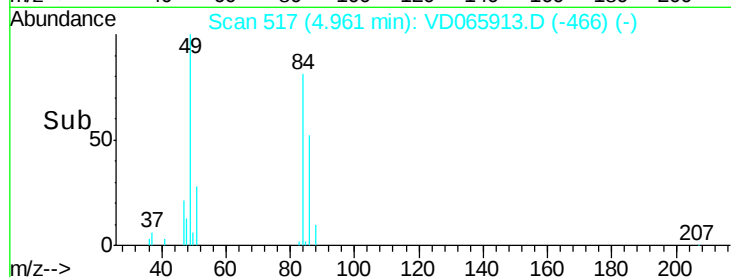
#20
Methvlene Chloride
Concen: 9.507 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

Instrument :
MSVOA_D
ClientSampleId :
TP7-SS

Tot Ion:	84	Resp:	17812
Ion	Ratio	Lower	Upper
84	100		
49	123.6	103.0	154.6
51	34.8	32.7	49.1
86	63.8	44.9	67.3

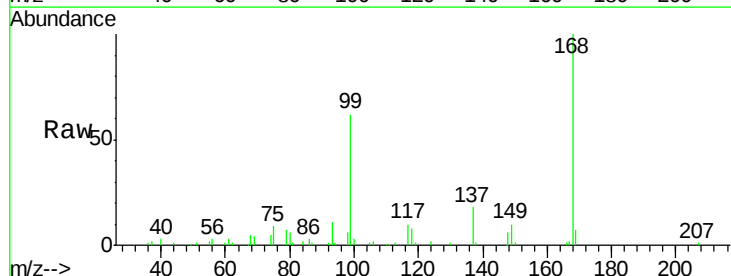


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

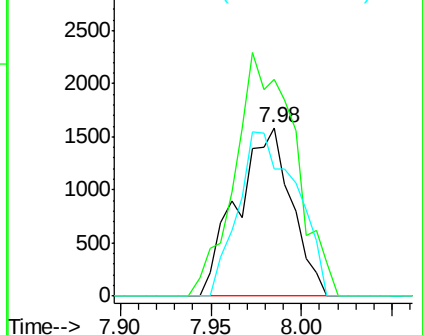
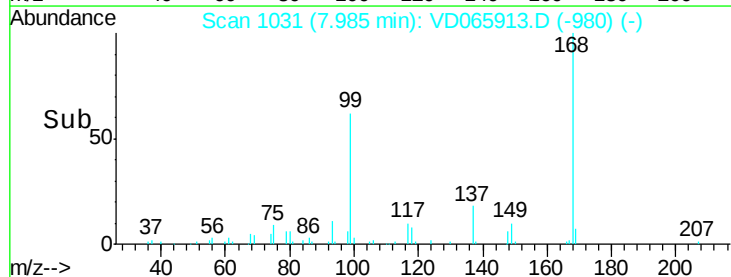


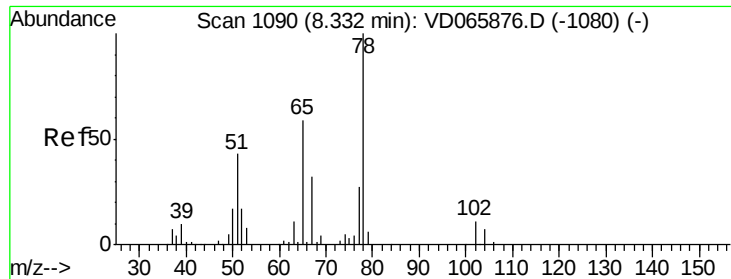
#31
Cyclohexane
Concen: 1.469 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

Tgt Ion:	56	Resp:	3301
Ion	Ratio	Lower	Upper
56	100		
69	128.6	26.2	39.4#
84	75.6	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: 56.148 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065913.D

Acq: 01 Jul 2020 18:31

Instrument :

MSVOA_D

ClientSampleId :

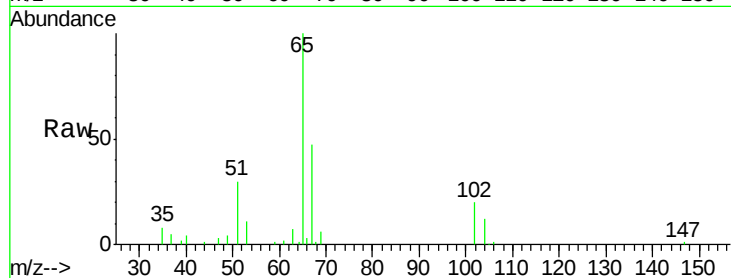
TP7-SS

Tot Ion: 65 Resp: 70416

Ion Ratio Lower Upper

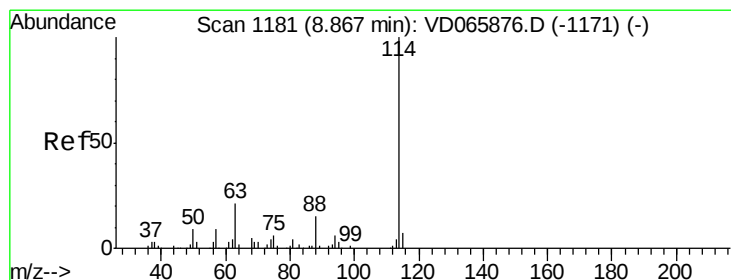
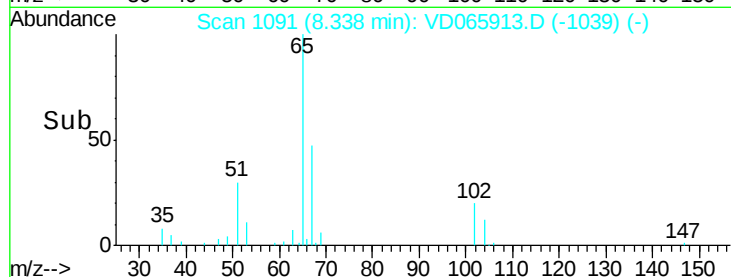
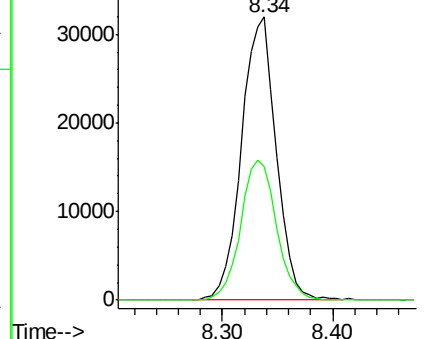
65 100

67 51.1 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: VD065913.D

Acq: 01 Jul 2020 18:31

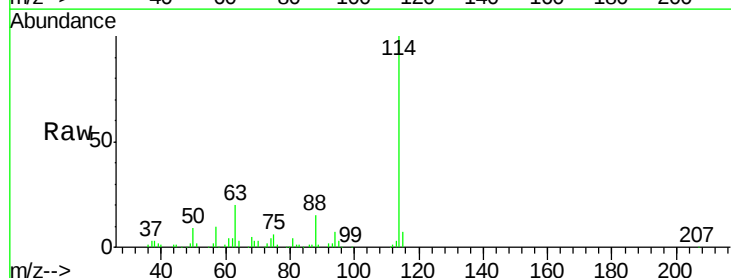
Tgt Ion: 114 Resp: 211045

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

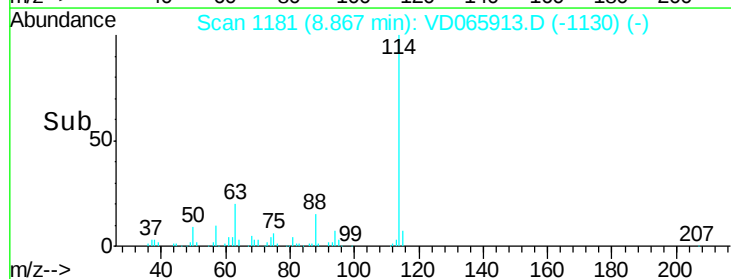
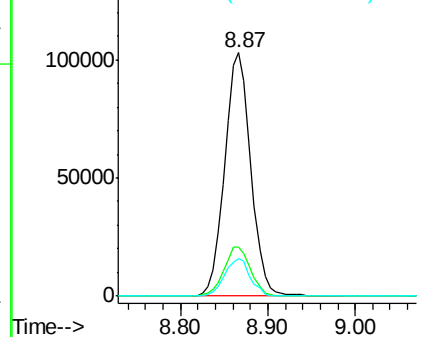
88 15.4 0.0 29.0

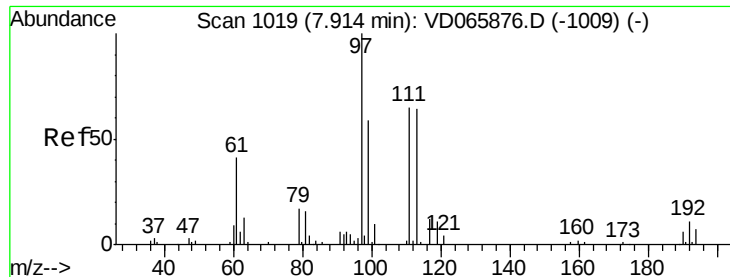


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

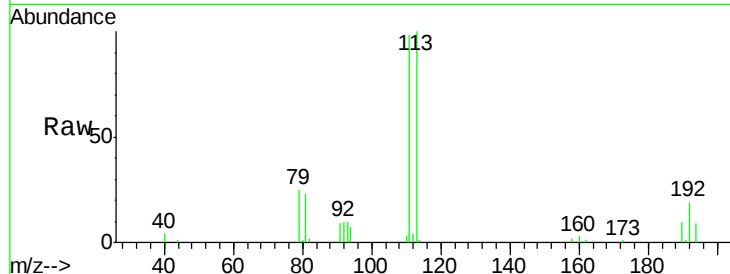




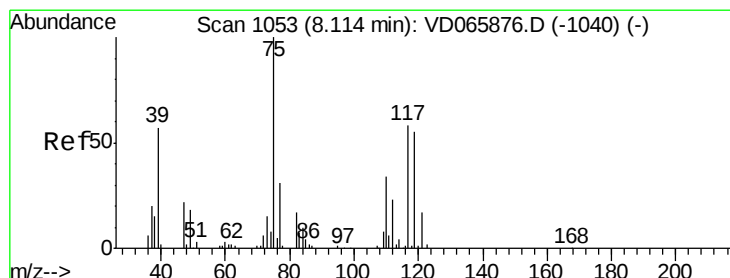
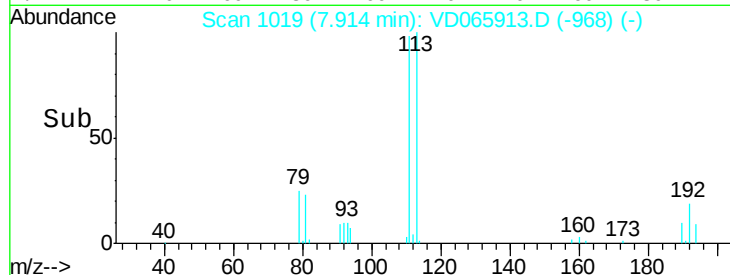
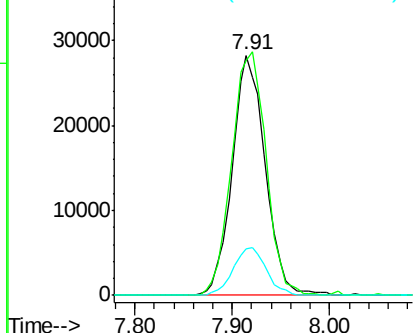
#35
 Dibromofluoromethane
 Concen: 50.969 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065913.D
 Acq: 01 Jul 2020 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7-SS

Tot Ion:113 Resp: 66488
 Ion Ratio Lower Upper
 113 100
 111 105.9 81.0 121.6
 192 20.0 15.2 22.8

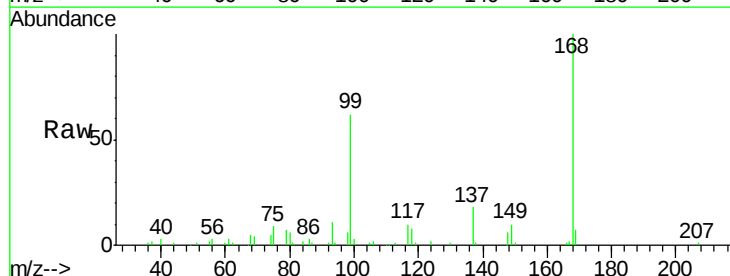


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

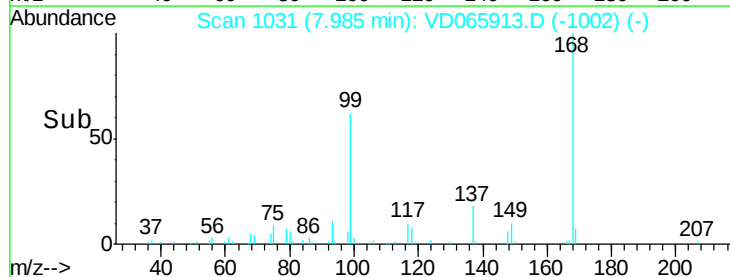
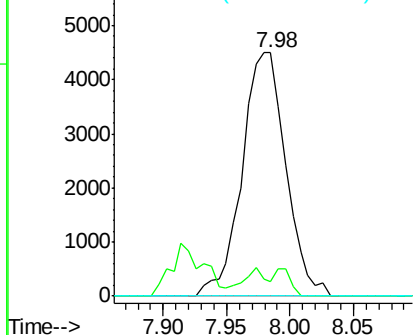


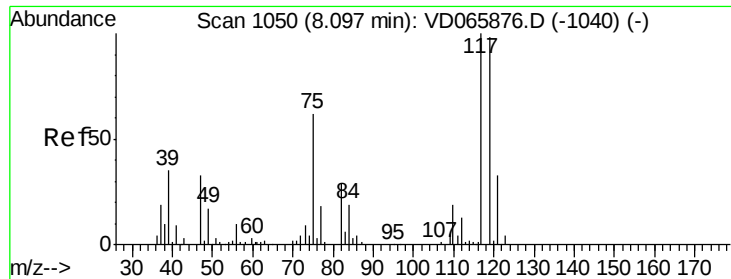
#36
 1,1-Dichloropropene
 Concen: 5.258 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065913.D
 Acq: 01 Jul 2020 18:31

Tgt Ion: 75 Resp: 10820
 Ion Ratio Lower Upper
 75 100
 110 3.9 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

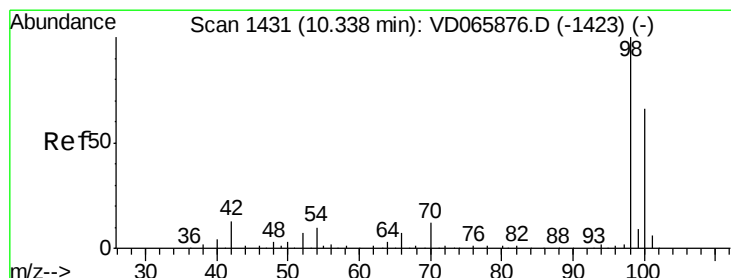
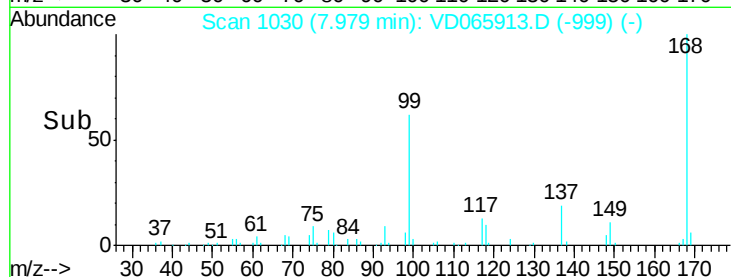
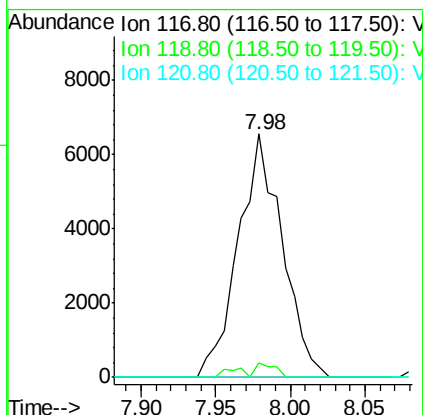
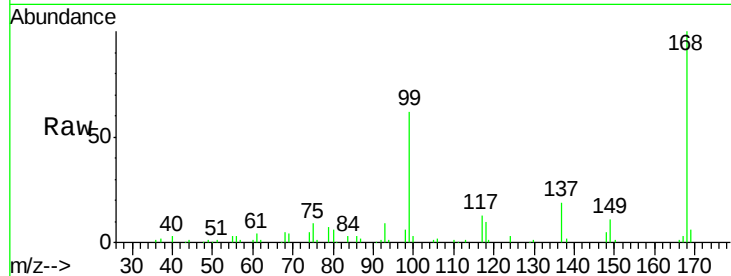




#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

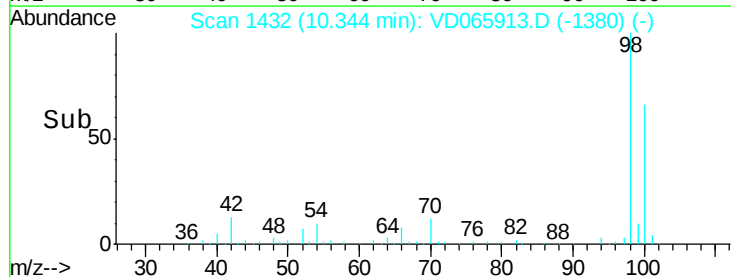
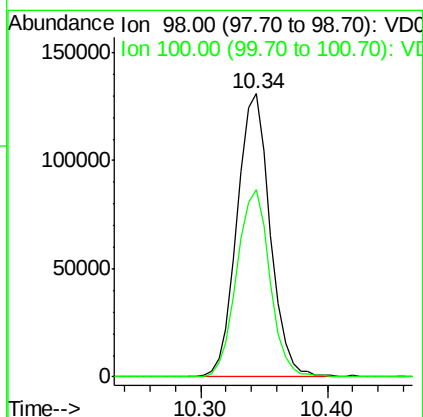
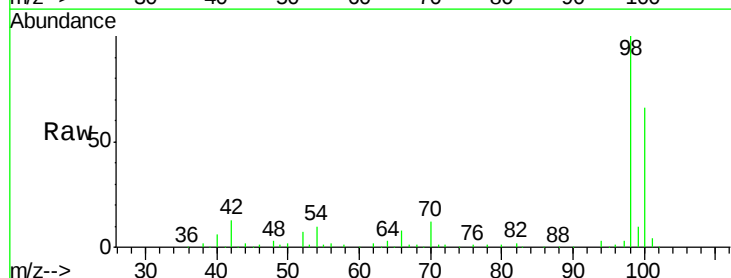
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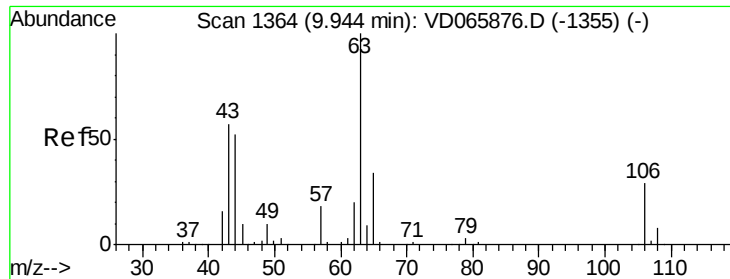
Tot Ion:117 Resp: 13424
Ion Ratio Lower Upper
117 100
119 5.8 78.6 117.8#
121 0.0 26.5 39.7#



#50
Toluene-d8
Concen: 48.283 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

Tgt Ion: 98 Resp: 236924
Ion Ratio Lower Upper
98 100
100 66.4 52.3 78.5

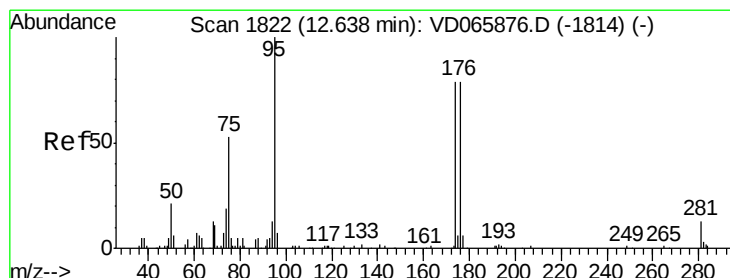
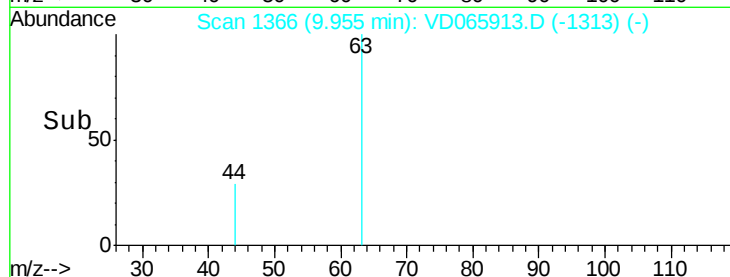
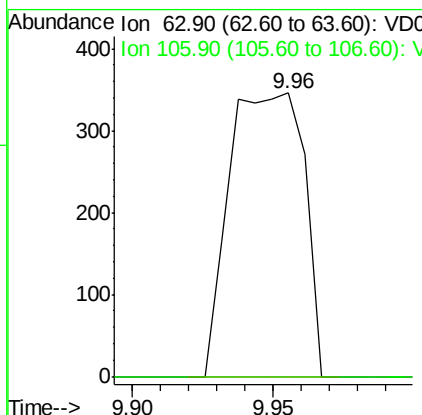
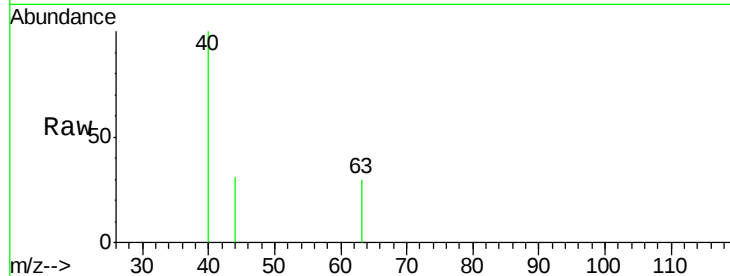




#58
2-Chloroethyl Vinyl ether
Concen: 1.158 ug/l
RT: 9.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

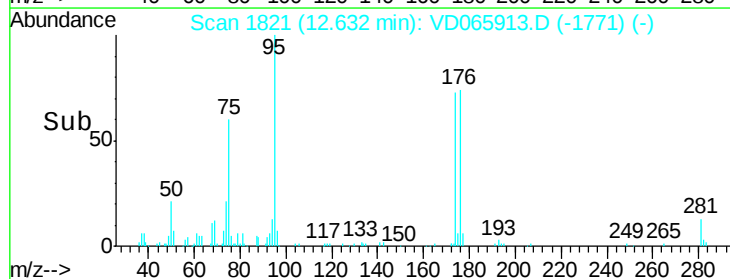
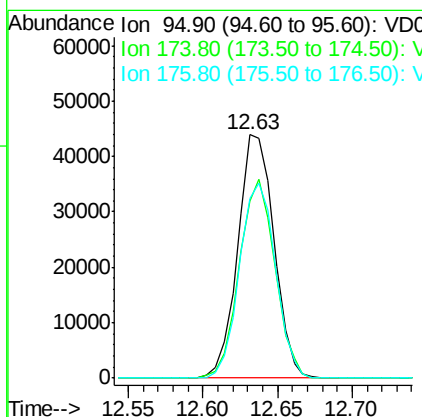
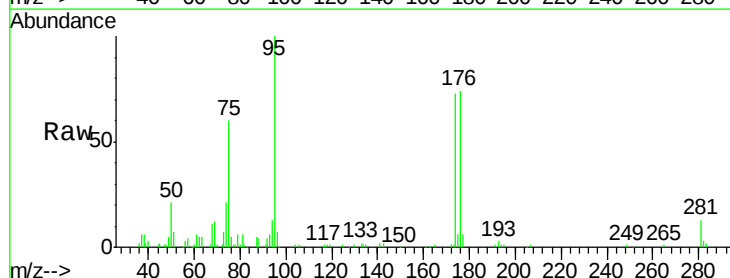
Instrument :
MSVOA_D
ClientSampleId :
TP7-SS

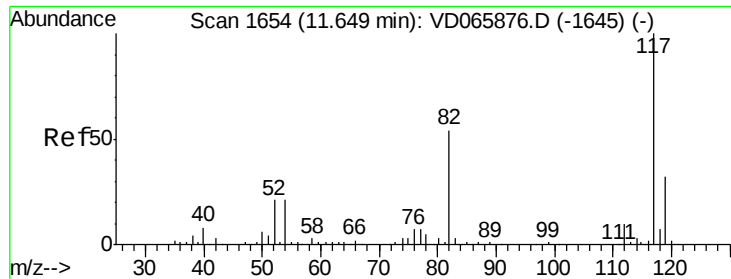
Tot Ion: 63 Resp: 633
Ion Ratio Lower Upper
63 100
106 0.0 22.6 34.0#



#62
4-Bromofluorobenzene
Concen: 45.946 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

Tgt Ion: 95 Resp: 73860
Ion Ratio Lower Upper
95 100
174 80.4 0.0 158.4
176 79.6 0.0 156.0

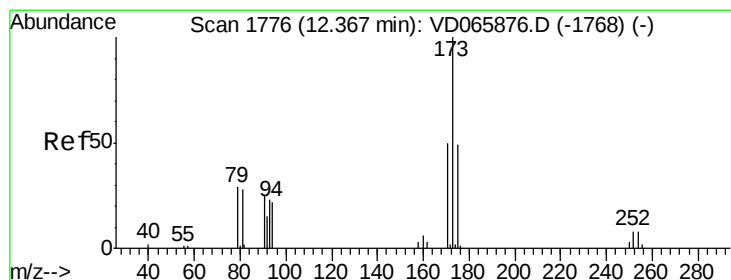
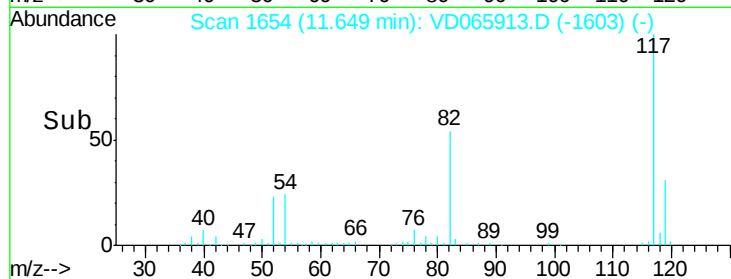
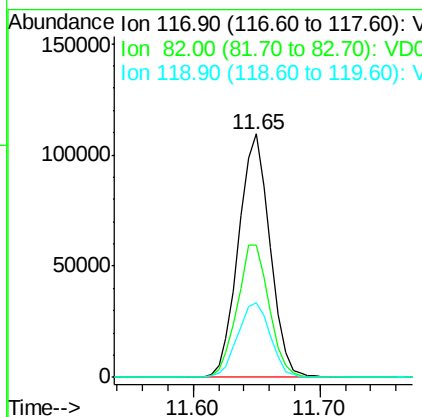
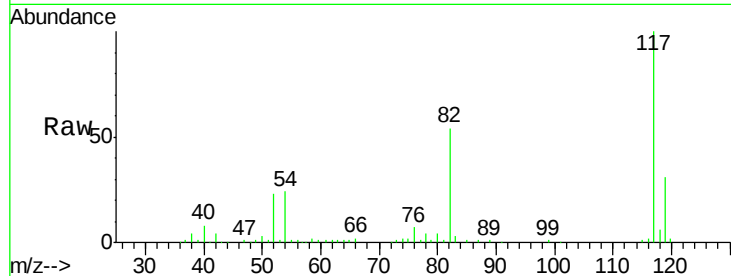




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

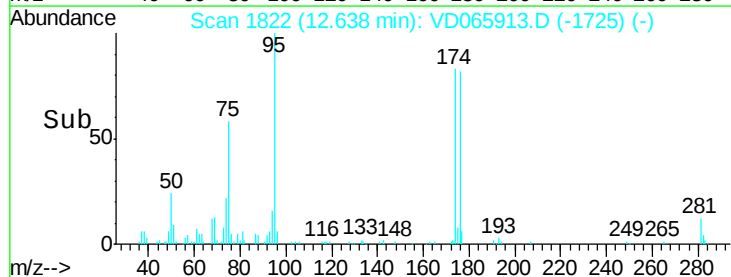
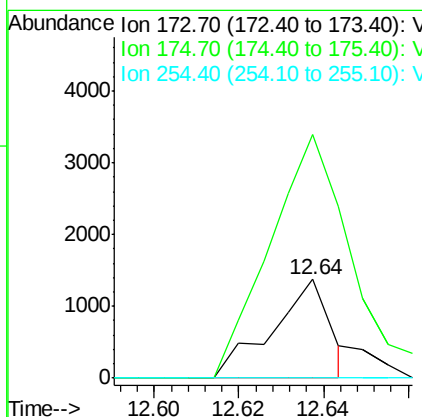
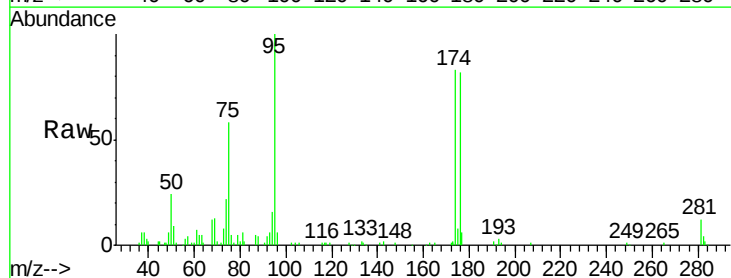
Instrument :
MSVOA_D
ClientSampleId :
TP7-SS

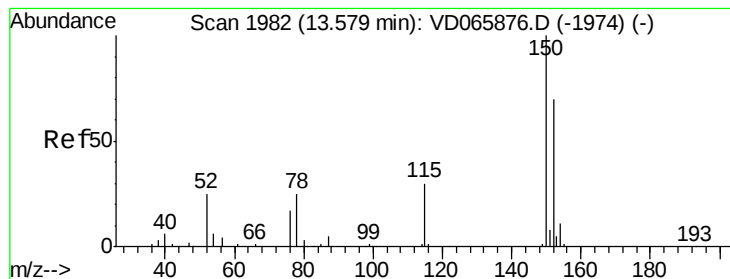
Tot Ion:117 Resp: 188674
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 30.9 25.9 38.9



#71
Bromoform
Concen: 1.768 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065913.D
Acq: 01 Jul 2020 18:31

Tgt Ion:173 Resp: 1309
Ion Ratio Lower Upper
173 100
175 291.4 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065913.D

Acq: 01 Jul 2020 18:31

Instrument :

MSVOA_D

ClientSampleId :

TP7-SS

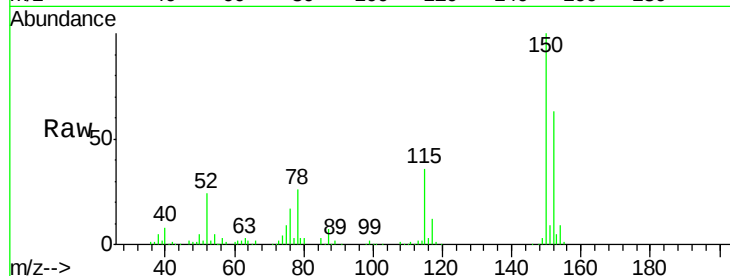
Tot Ion:152 Resp: 80414

Ion Ratio Lower Upper

152 100

115 59.2 29.7 89.1

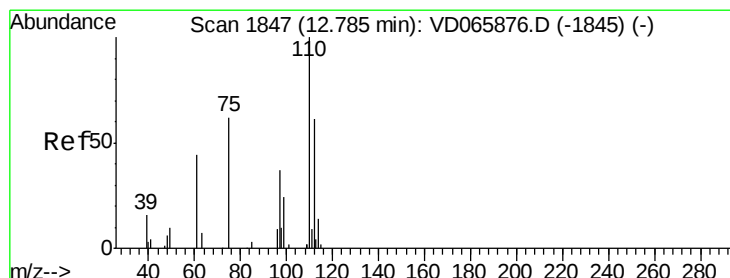
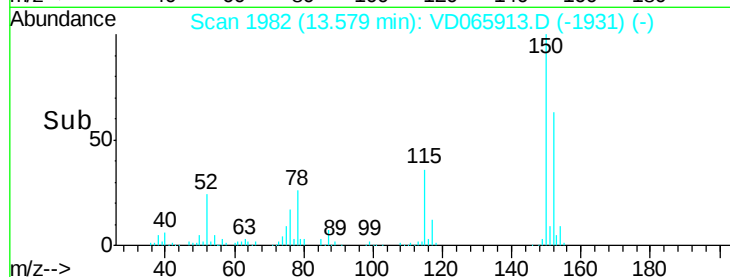
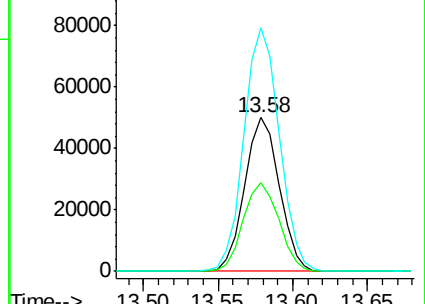
150 161.3 0.0 346.2



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: 59.360 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD065913.D

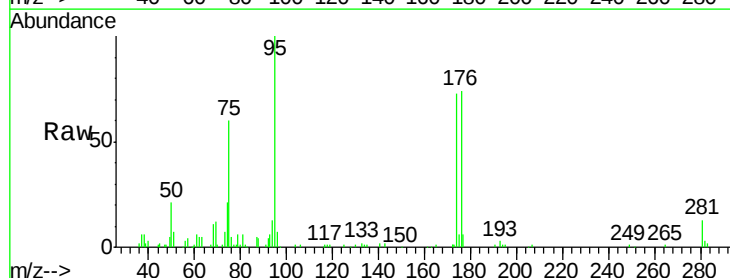
Acq: 01 Jul 2020 18:31

Tgt Ion: 75 Resp: 41768

Ion Ratio Lower Upper

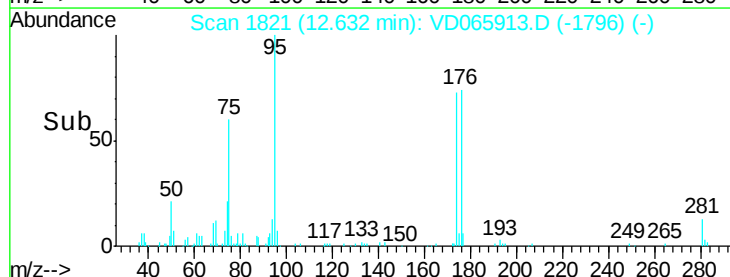
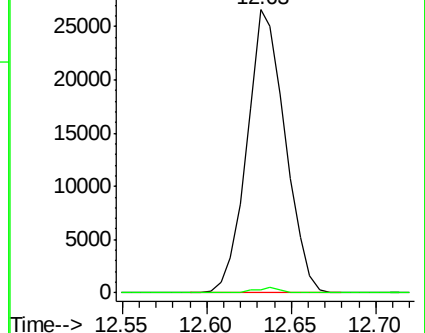
75 100

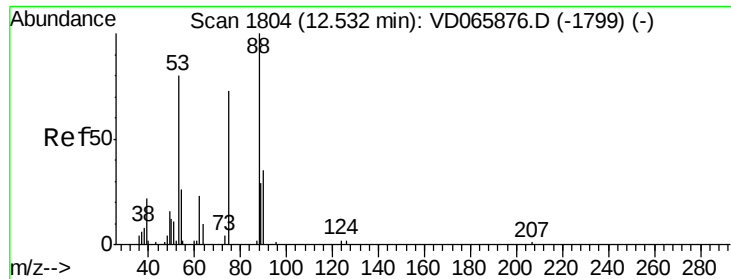
77 1.1 168.5 505.5#



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: 127.526 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065913.D

Acq: 01 Jul 2020 18:31

Instrument :

MSVOA_D

ClientSampleId :

TP7-SS

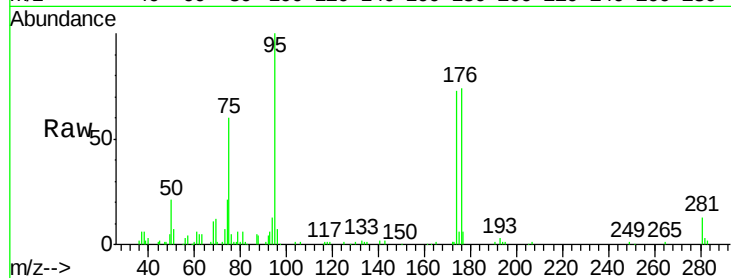
Tot Ion: 75 Resp: 41768

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

