

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065910.D
 Acq On : 01 Jul 2020 17:09
 Operator : VA/SY
 Sample : L3172-09
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-TS

Quant Time: Jul 02 04:46:03 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	128711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	221138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	191659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	77857	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	74596	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	7.92	113	74531	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
50) Toluene-d8	10.34	98	250502	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.64	95	72164	42.84	ug/l	0.00
Spiked Amount			Recovery	=	85.68%	

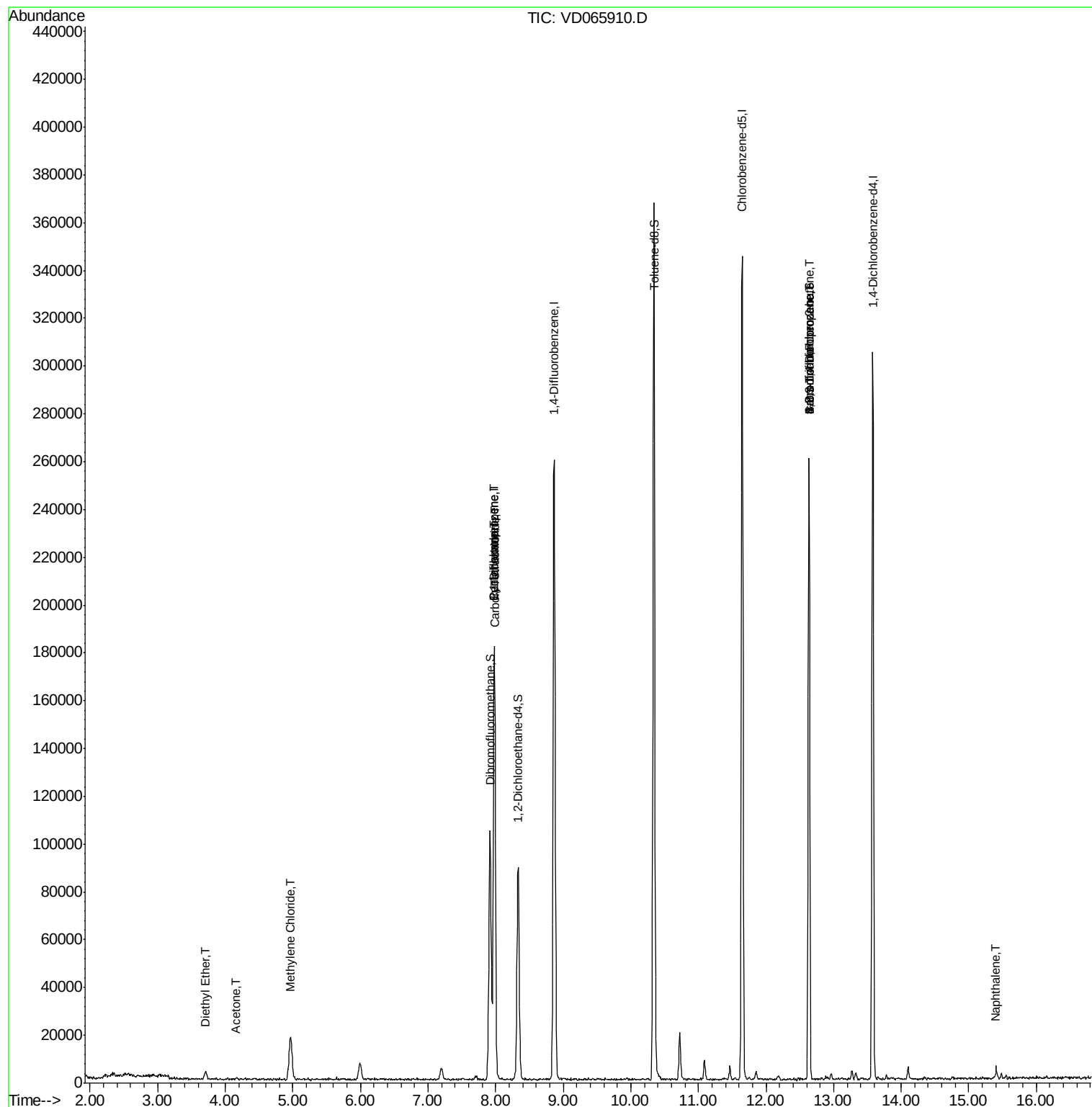
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	1552	2.468	ug/l	82
16) Acetone	4.16	43	547	2.088	ug/l #	51
20) Methylene Chloride	4.97	84	13850	5.287	ug/l #	91
31) Cyclohexane	7.97	56	3497	1.460	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	11331	5.255	ug/l #	50
38) Carbon Tetrachloride	7.99	117	13634	5.855	ug/l #	13
71) Bromoform	12.64	173	820	1.090	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	42749	62.750	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	42749	134.808	ug/l #	9
95) Naphthalene	15.40	128	4293	1.767	ug/l #	91

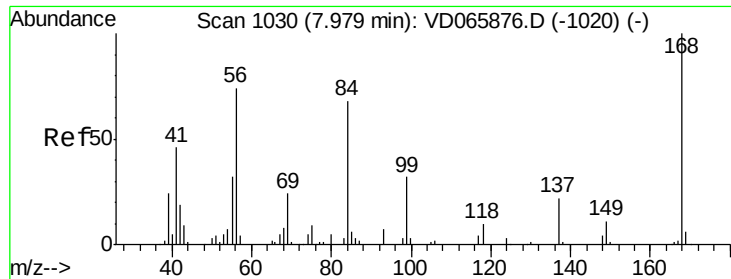
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065910.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

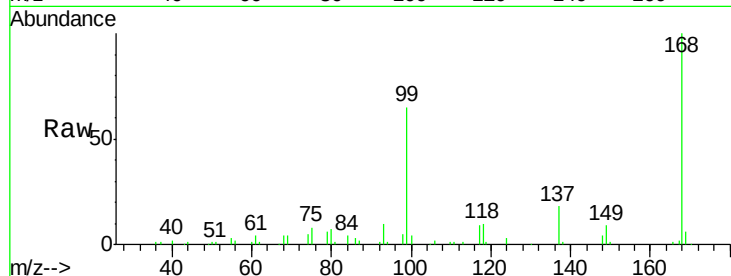
TP1-TS

Tot Ion:168 Resp: 128711

Ion Ratio Lower Upper

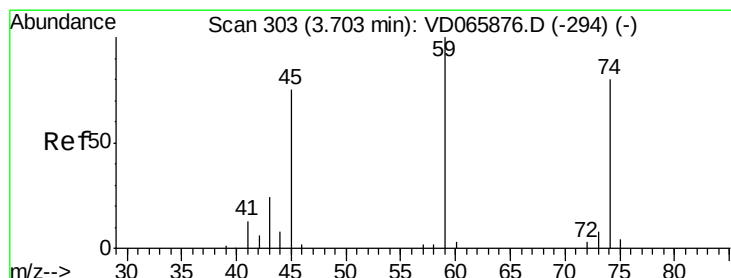
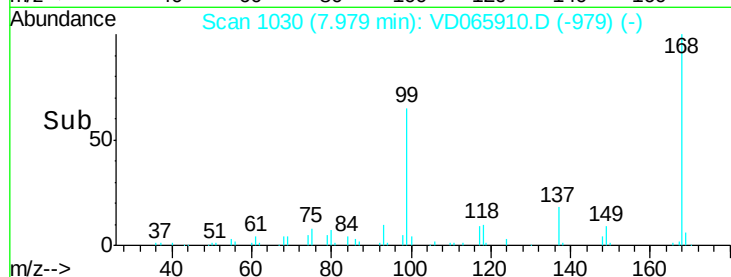
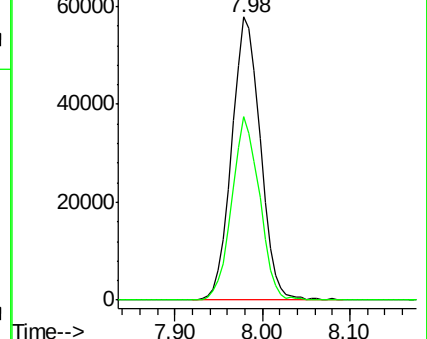
168 100

99 64.8 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: 2.468 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD065910.D

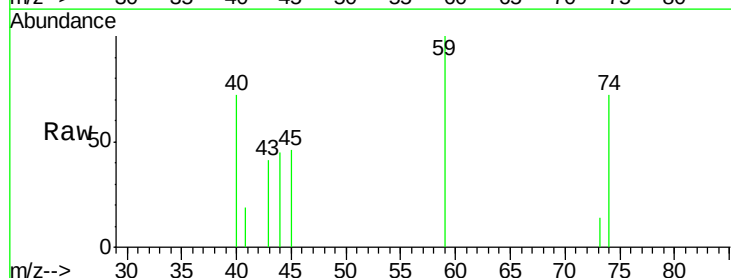
Acq: 01 Jul 2020 17:09

Tgt Ion: 74 Resp: 1552

Ion Ratio Lower Upper

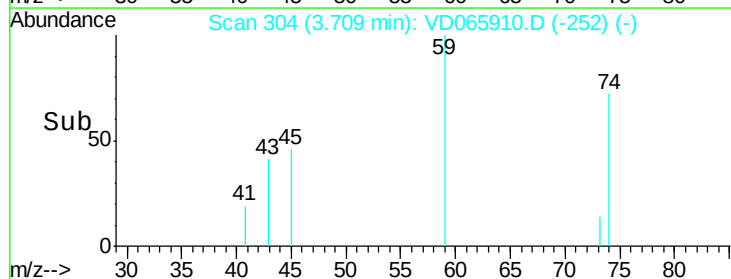
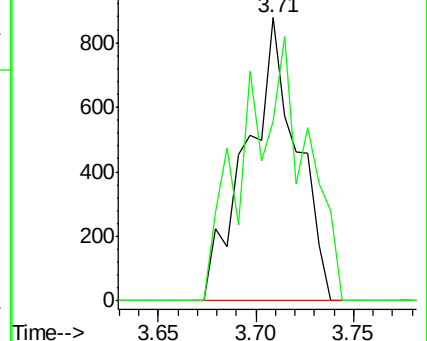
74 100

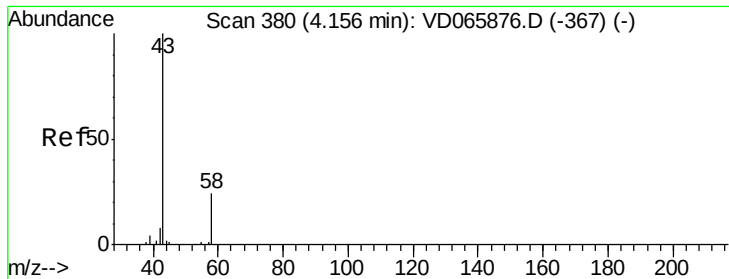
45 114.8 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 2.088 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065910.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

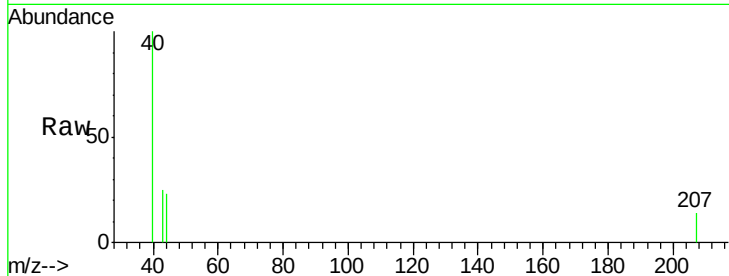
TP1-TS

Tot Ion: 43 Resp: 547

Ion Ratio Lower Upper

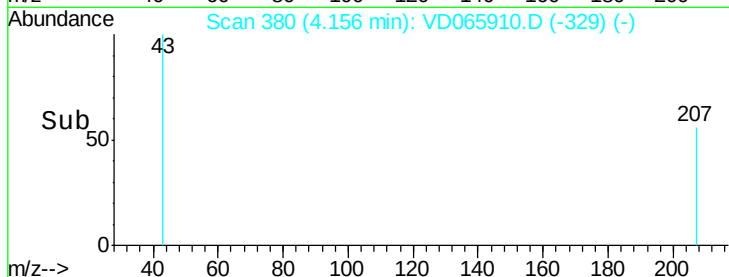
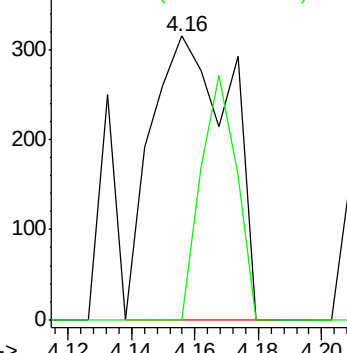
43 100

58 0.0 19.5 29.3#

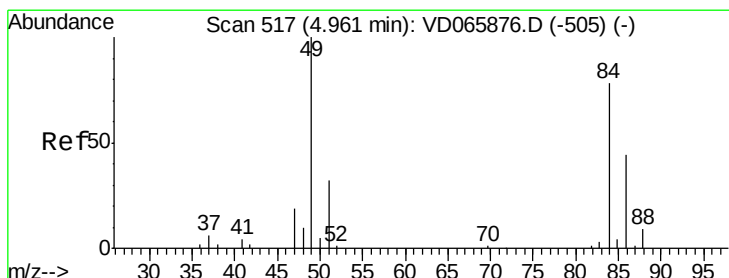


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: 5.287 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065910.D

Acq: 01 Jul 2020 17:09

Tgt Ion: 84 Resp: 13850

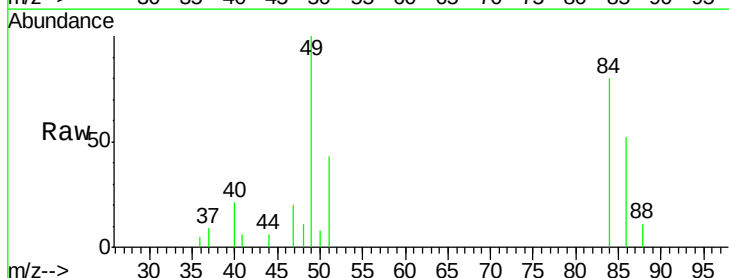
Ion Ratio Lower Upper

84 100

49 125.2 103.0 154.6

51 54.2 32.7 49.1#

86 65.1 44.9 67.3

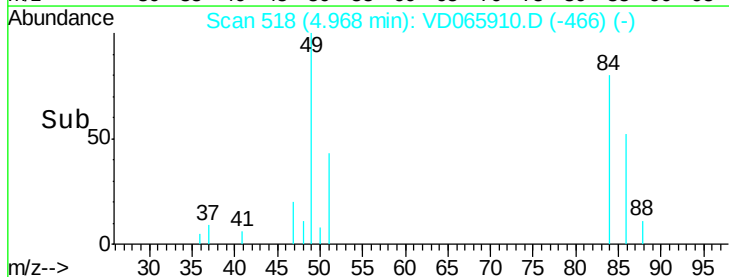
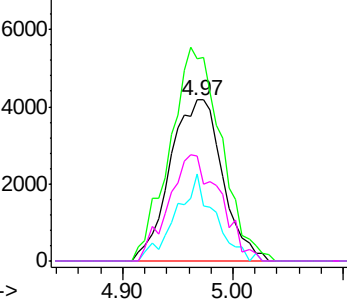


Abundance Ion 83.90 (83.60 to 84.60): VDC

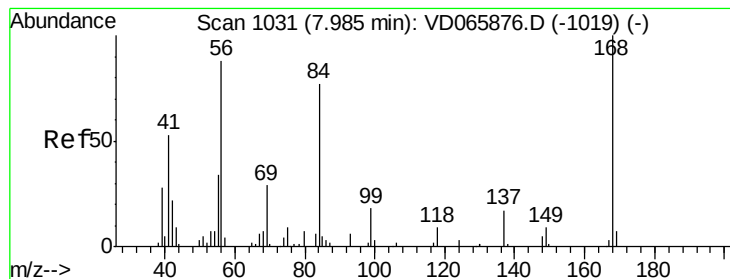
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->



#31

Cyclohexane

Concen: 1.460 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065910.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

TP1-TS

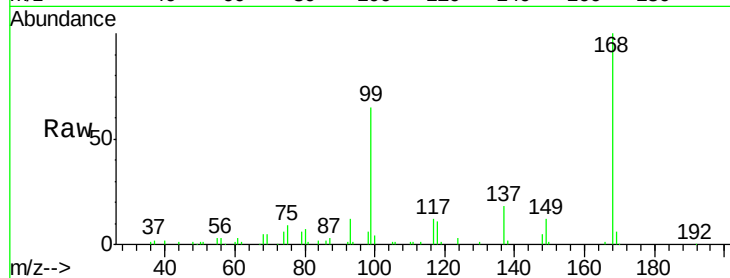
Tot Ion: 56 Resp: 3497

Ion Ratio Lower Upper

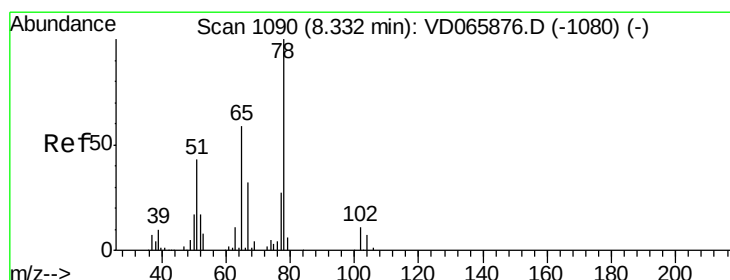
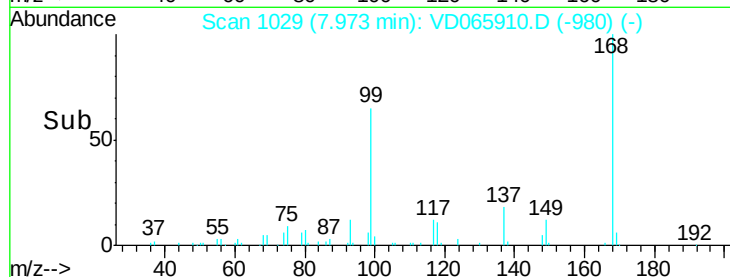
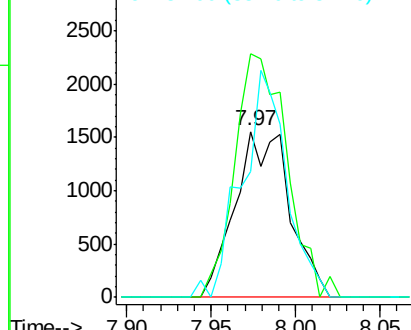
56 100

69 146.6 26.2 39.4#

84 75.5 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: 55.786 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065910.D

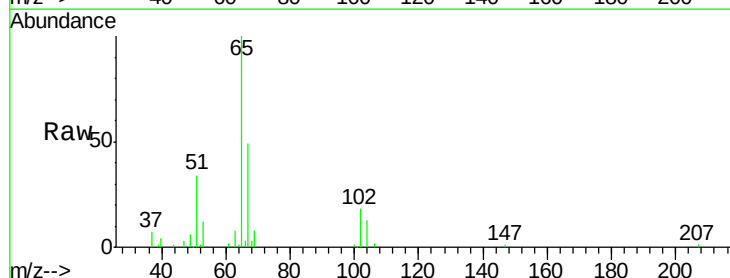
Acq: 01 Jul 2020 17:09

Tgt Ion: 65 Resp: 74596

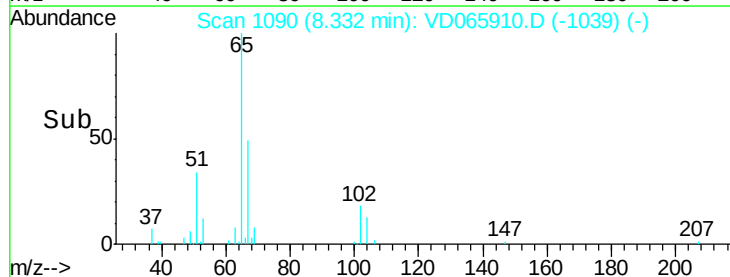
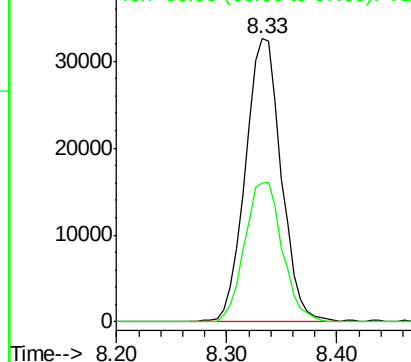
Ion Ratio Lower Upper

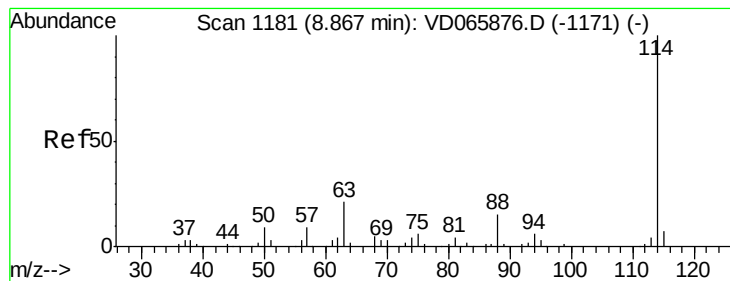
65 100

67 51.4 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: VD065910.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_D

ClientSampled :

TP1-TS

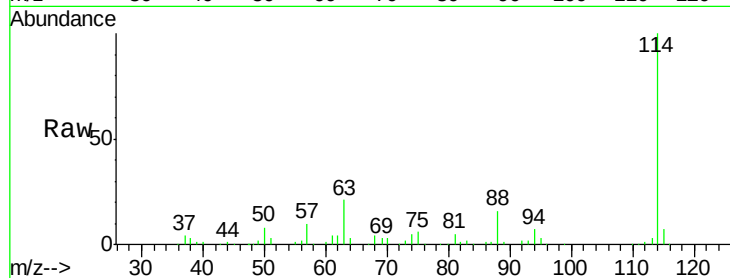
Tot Ion:114 Resp: 221138

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

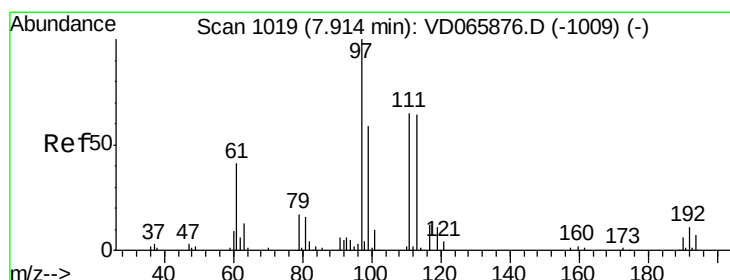
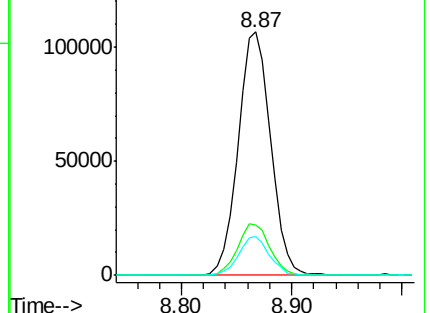
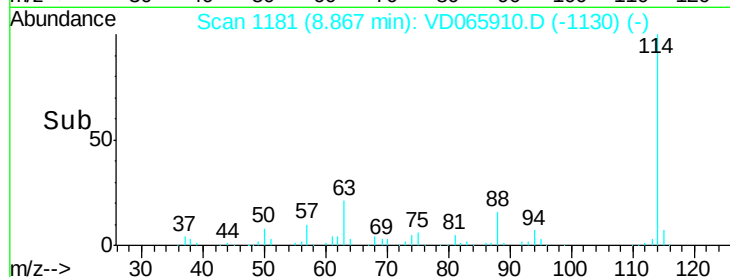
88 15.7 0.0 29.0



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: 54.527 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD065910.D

Acq: 01 Jul 2020 17:09

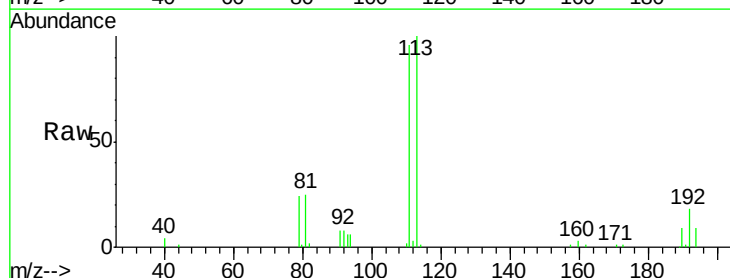
Tgt Ion:113 Resp: 74531

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

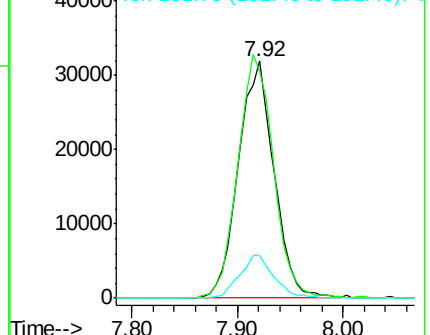
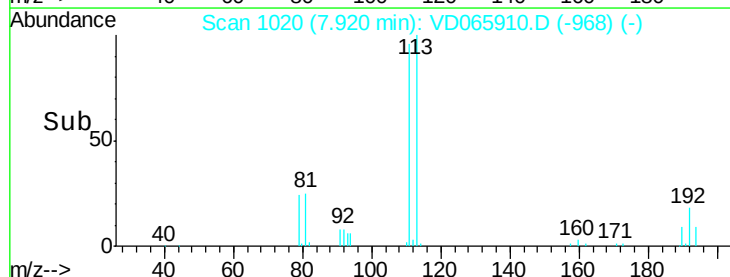
192 17.3 15.2 22.8

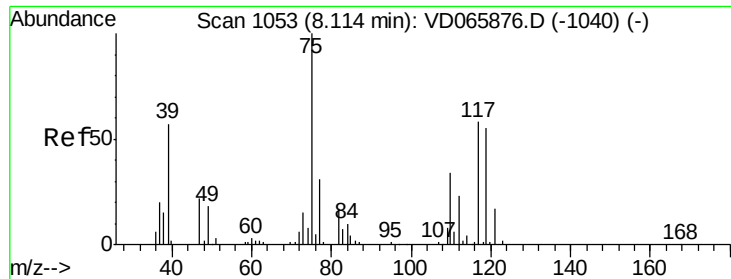


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

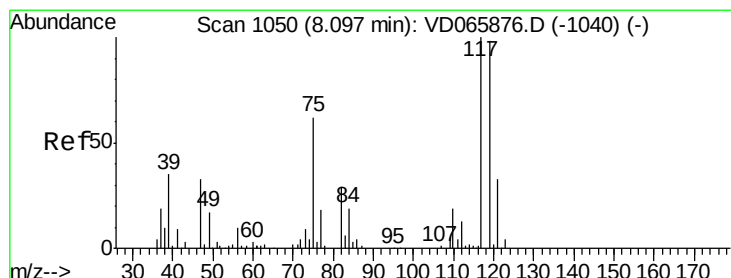
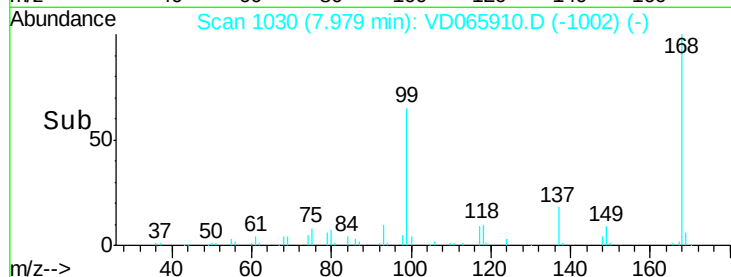
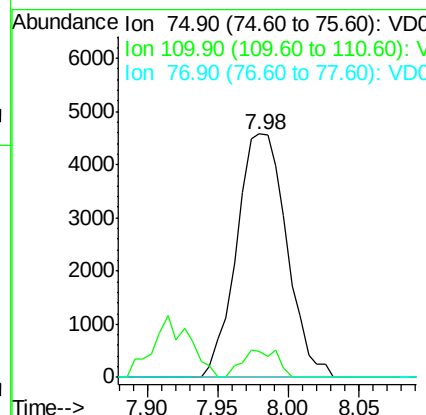
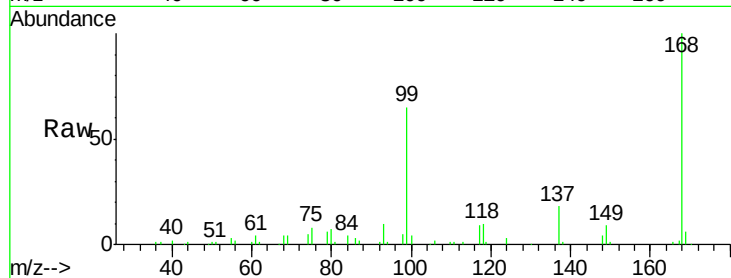




#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065910.D
 Acq: 01 Jul 2020 17:09

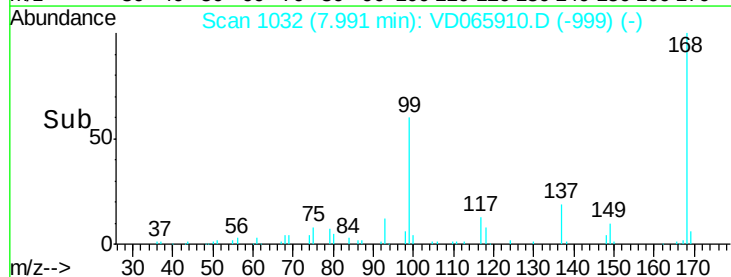
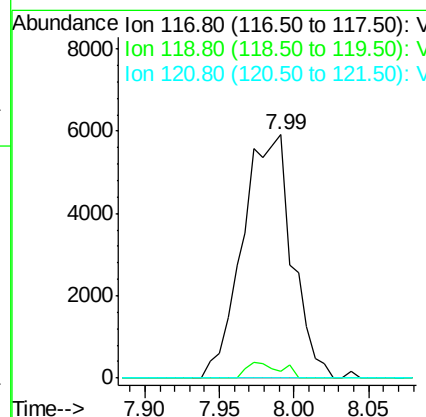
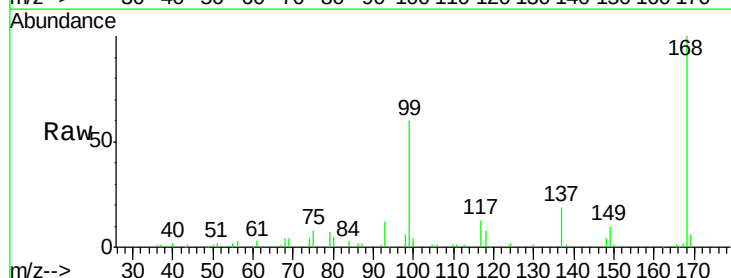
Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-TS

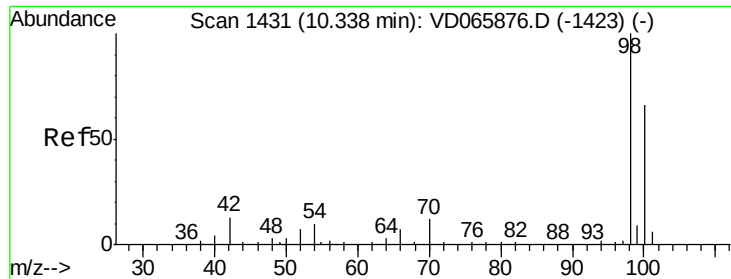
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.8	50.4#
77	0.0	24.0	36.0#



#38
 Carbon Tetrachloride
 Concen: 5.855 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD065910.D
 Acq: 01 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	78.6	117.8#
121	0.0	26.5	39.7#

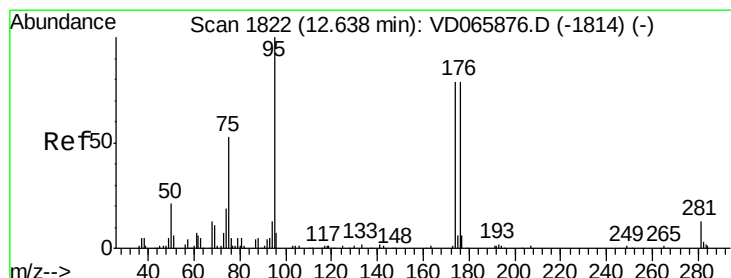
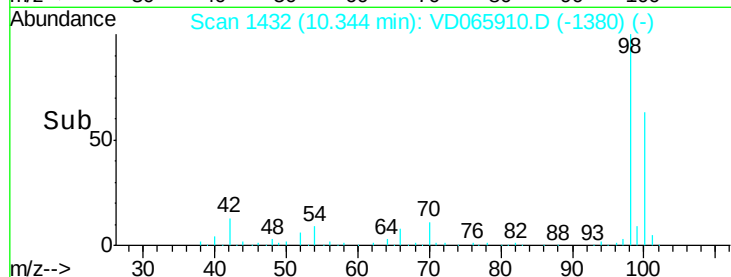
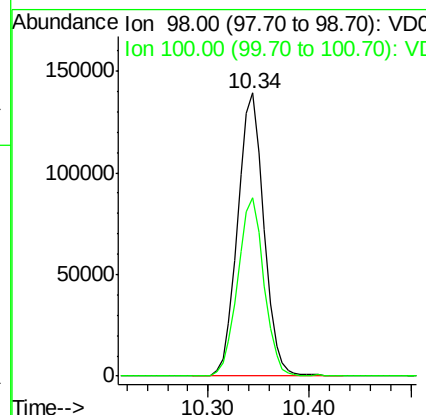
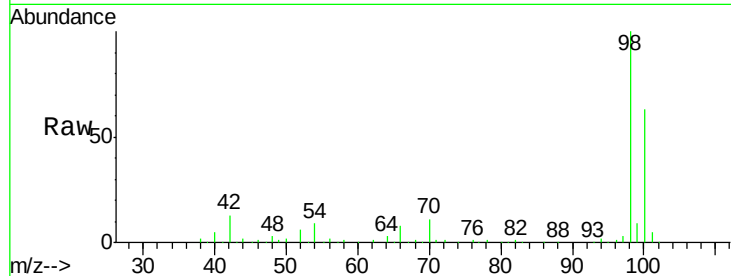




#50
Toluene-d8
Concen: 48.720 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065910.D
Acq: 01 Jul 2020 17:09

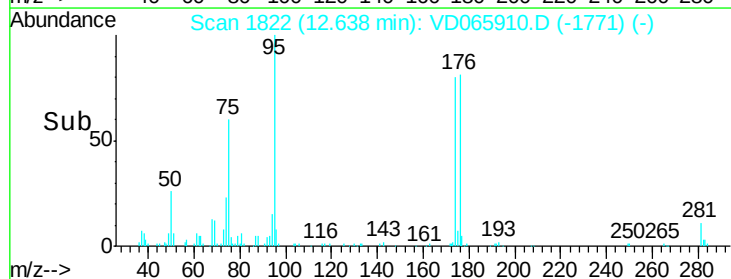
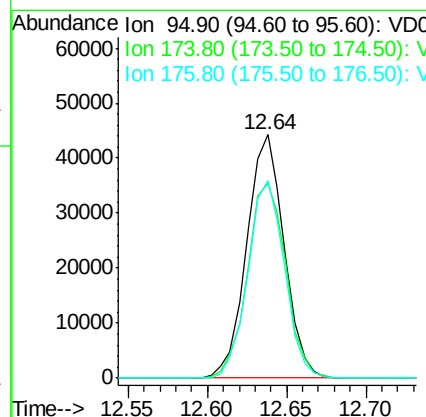
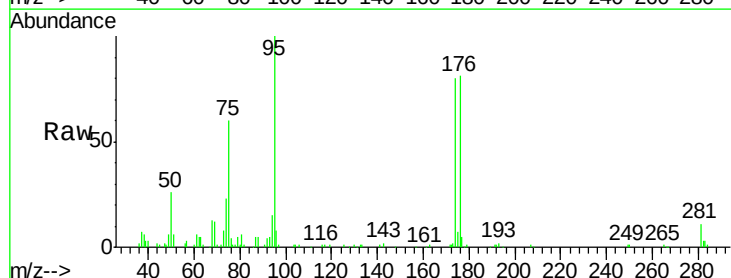
Instrument :
MSVOA_D
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TP1-TS

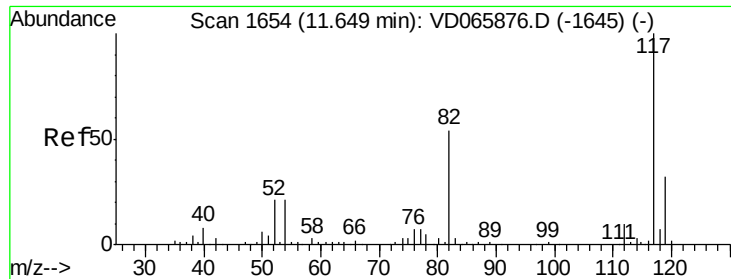
Tot Ion: 98 Resp: 250502
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.842 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065910.D
Acq: 01 Jul 2020 17:09

Tgt Ion: 95 Resp: 72164
Ion Ratio Lower Upper
95 100
174 82.8 0.0 158.4
176 79.6 0.0 156.0

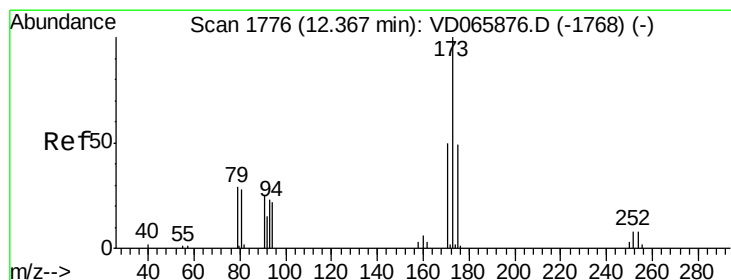
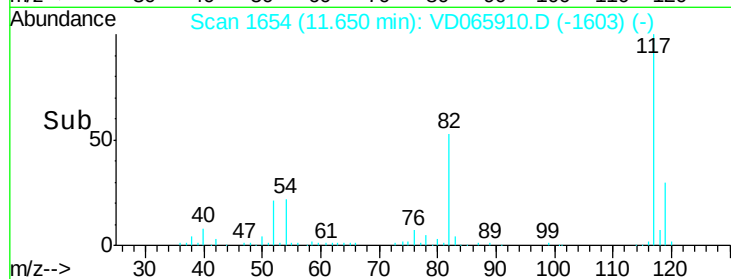
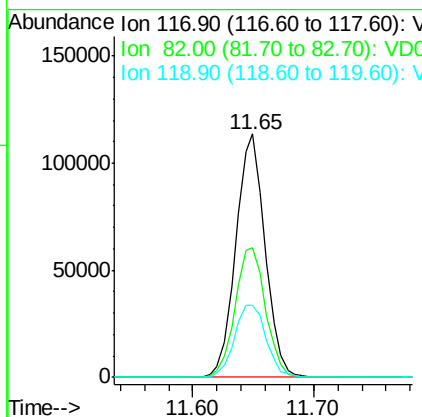
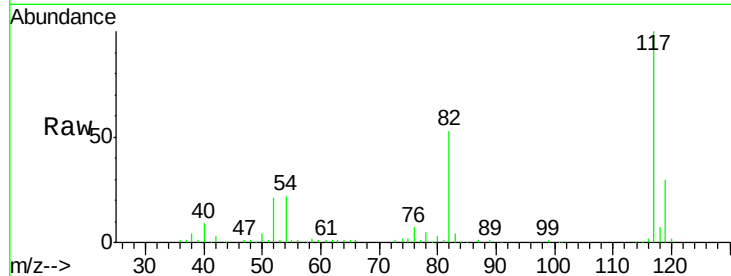




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065910.D
Acq: 01 Jul 2020 17:09

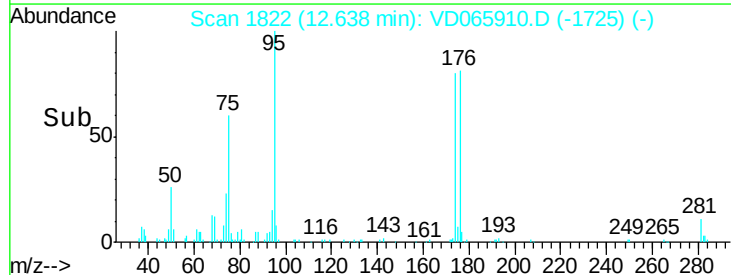
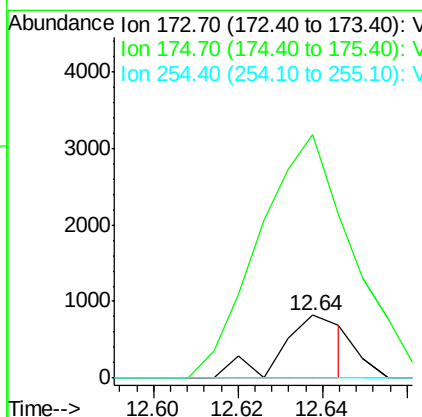
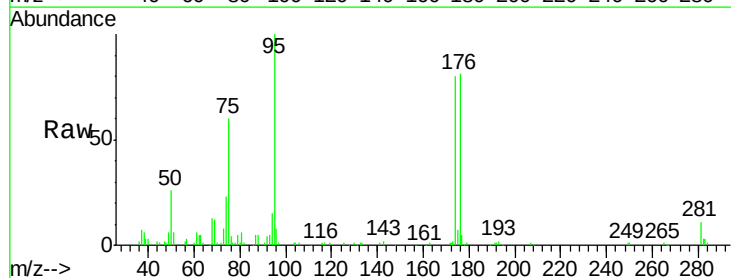
Instrument :
MSVOA_D
ClientSampled :
TP1-TS

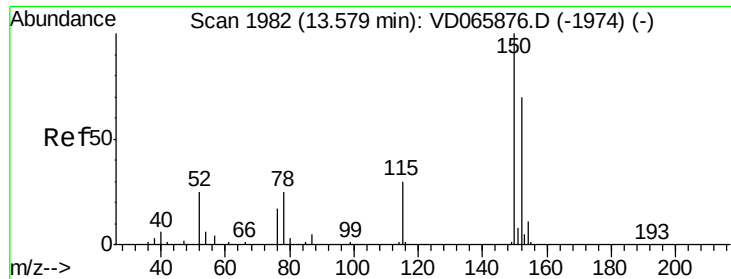
Tot Ion:117 Resp: 191659
Ion Ratio Lower Upper
117 100
82 53.1 43.6 65.4
119 29.8 25.9 38.9



#71
Bromoform
Concen: 1.090 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065910.D
Acq: 01 Jul 2020 17:09

Tgt Ion:173 Resp: 820
Ion Ratio Lower Upper
173 100
175 497.8 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: VD065910.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

TP1-TS

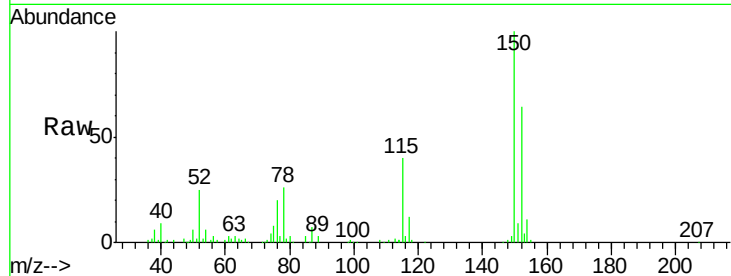
Tot Ion:152 Resp: 77857

Ion Ratio Lower Upper

152 100

115 59.7 29.7 89.1

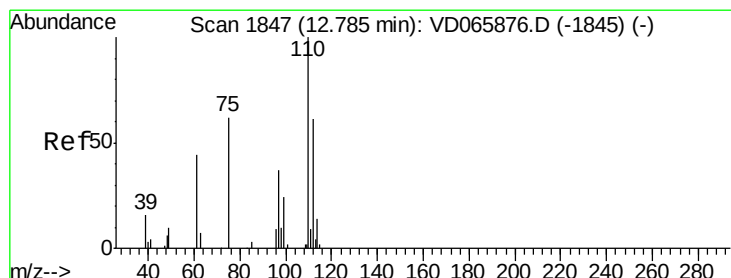
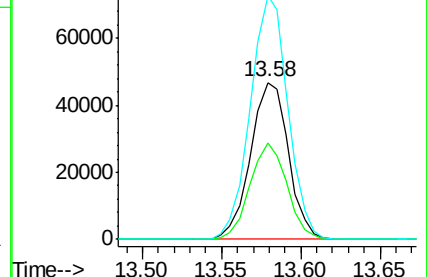
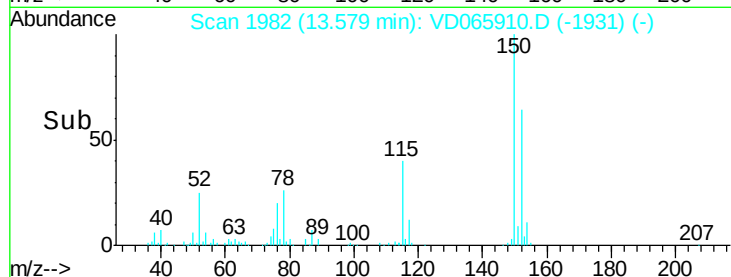
150 153.8 0.0 346.2



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: 62.750 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065910.D

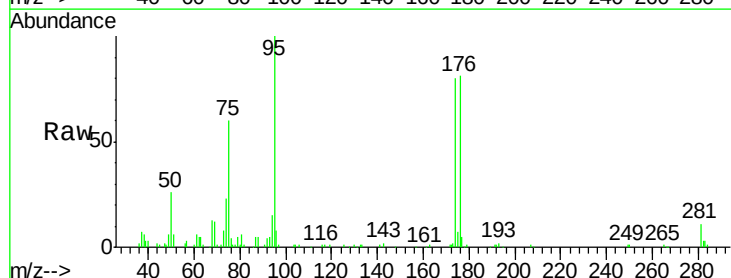
Acq: 01 Jul 2020 17:09

Tgt Ion: 75 Resp: 42749

Ion Ratio Lower Upper

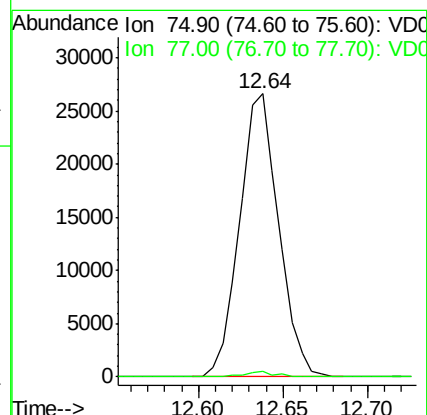
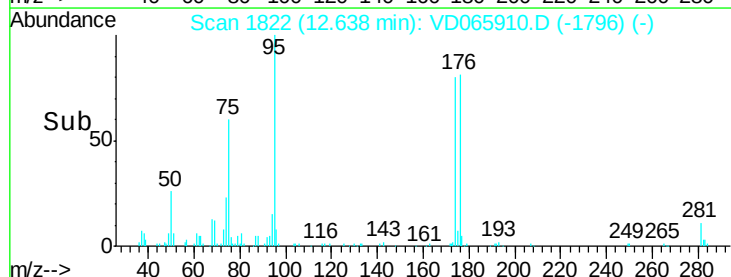
75 100

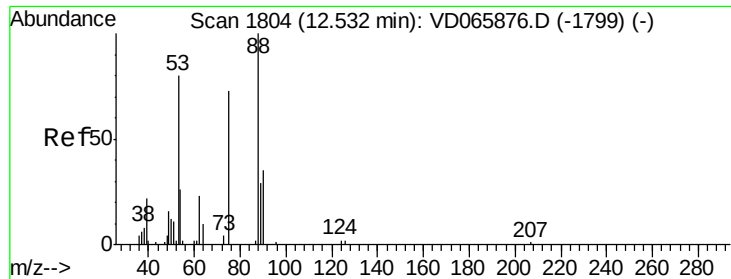
77 1.5 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

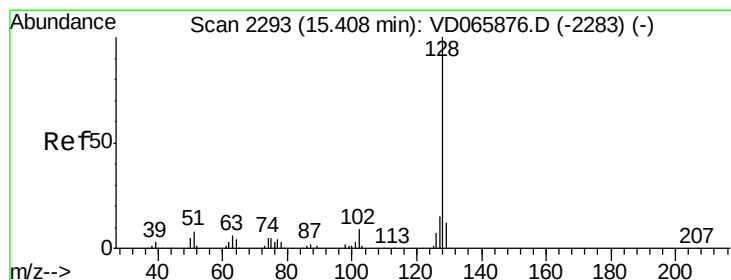
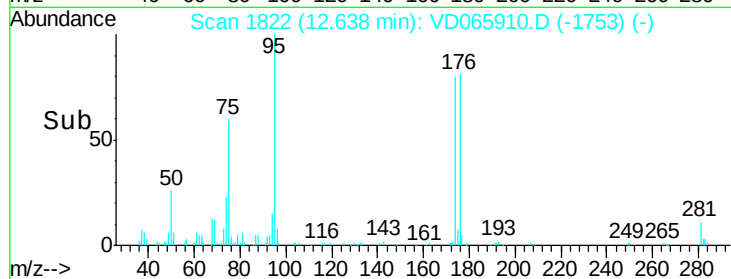
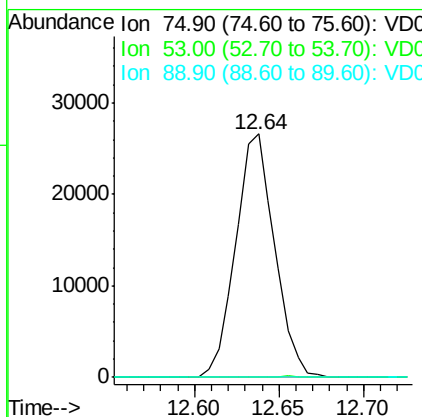
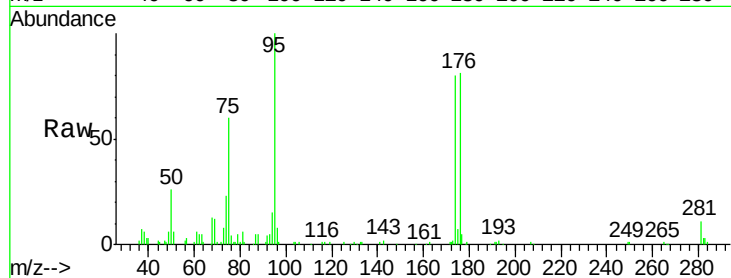




#81
trans-1,4-Dichloro-2-butene
Concen: 134.808 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD065910.D
Acq: 01 Jul 2020 17:09

Instrument :
MSVOA_D
ClientSampleId :
TP1-TS

Tot Ion: 75 Resp: 42749
Ion Ratio Lower Upper
75 100
53 0.1 80.6 121.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 1.767 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD065910.D
Acq: 01 Jul 2020 17:09

Tgt Ion:128 Resp: 4293
Ion Ratio Lower Upper
128 100
127 8.7 10.8 16.2#
129 8.8 8.8 13.2

