

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065914.D
 Acq On : 01 Jul 2020 18:57
 Operator : VA/SY
 Sample : L3172-18
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-TS

Quant Time: Jul 02 04:47:30 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	122224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	203487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	164910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	58224	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	62632	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	7.91	113	63261	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	10.34	98	210989	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	
62) 4-Bromofluorobenzene	12.64	95	56177	36.24	ug/l	0.00
Spiked Amount			Recovery	=	72.48%	

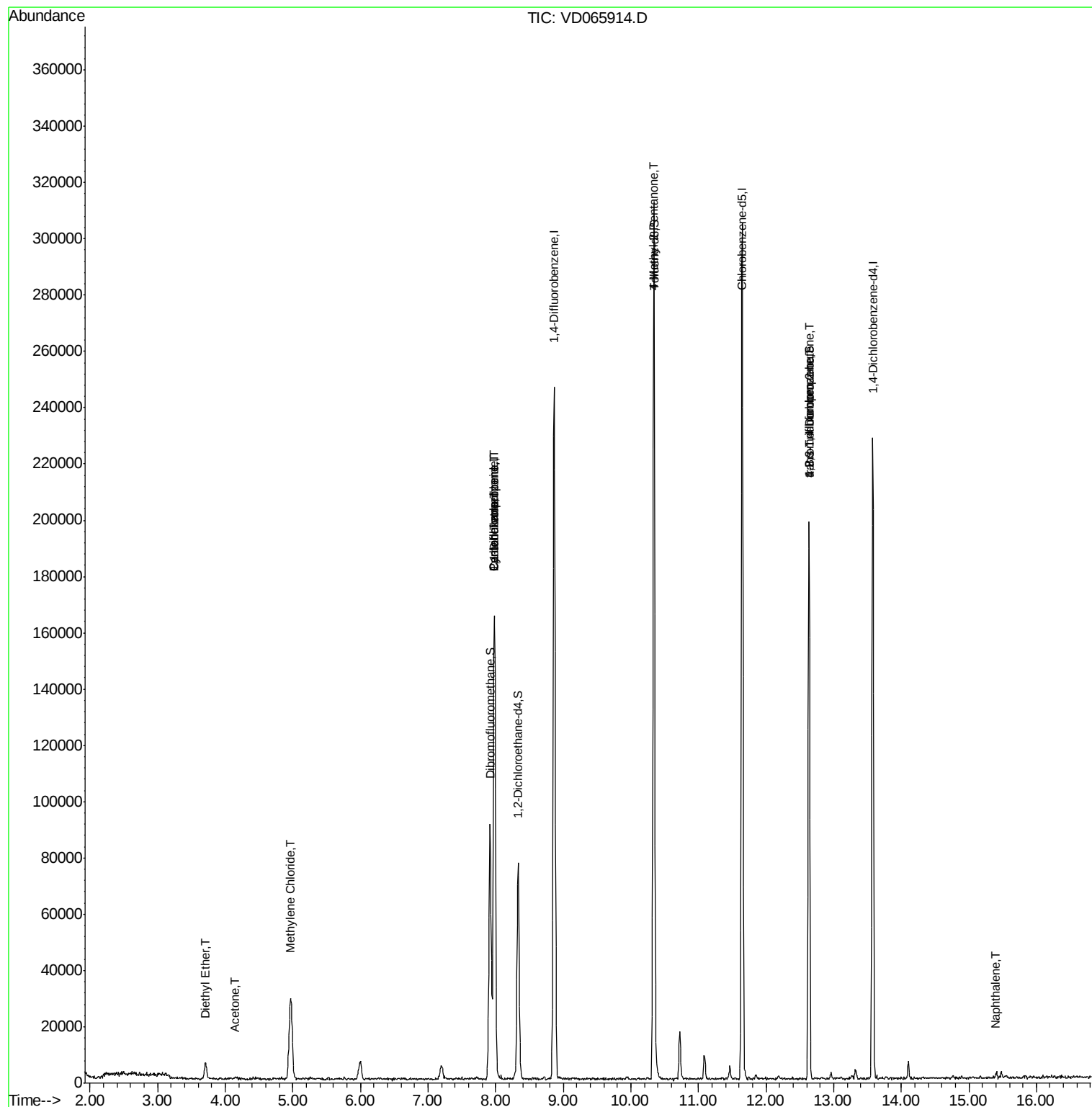
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	3332	5.580	ug/l	99
11) Tert butyl alcohol	5.24	59	144	Below Cal	#	69
16) Acetone	4.16	43	791	3.179	ug/l #	51
20) Methylene Chloride	4.97	84	23118	13.900	ug/l #	90
31) Cyclohexane	7.98	56	3480	1.530	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	10301	5.191	ug/l #	54
38) Carbon Tetrachloride	7.98	117	14022	6.544	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	1153	1.521	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	30754	60.365	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	30754	129.684	ug/l #	9
95) Naphthalene	15.40	128	2191	1.206	ug/l #	77

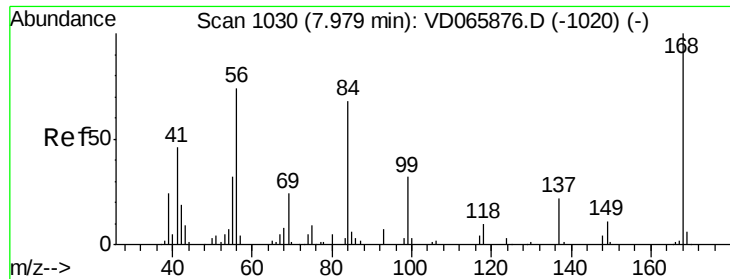
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
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Quant Time: Jul 02 04:47:30 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# 1030

Delta R.T. -0.00 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

Instrument :

MSVOA_D

ClientSampleId :

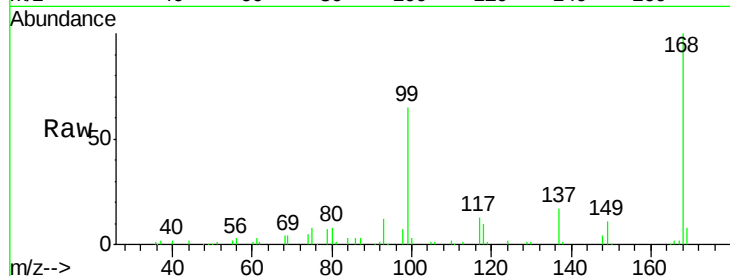
TP2-TS

Tot Ion:168 Resp: 122224

Ion Ratio Lower Upper

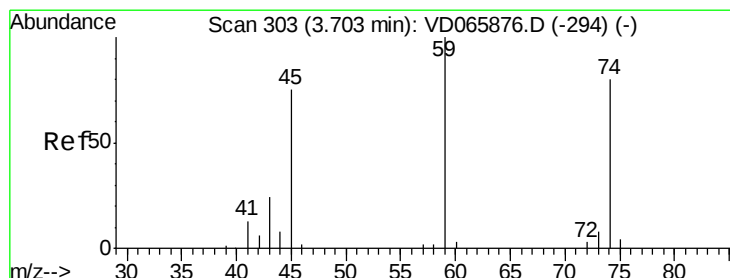
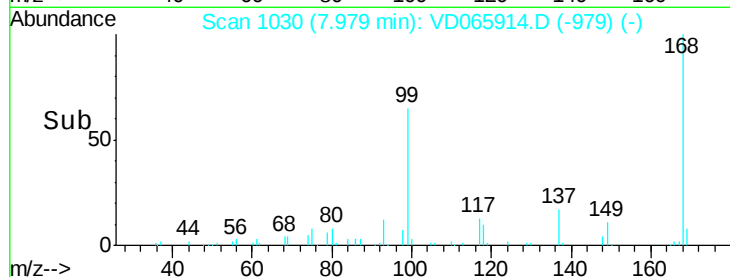
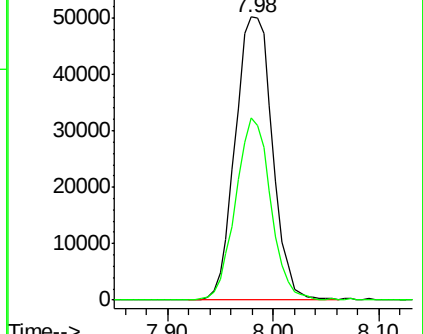
168 100

99 64.5 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: 5.580 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD065914.D

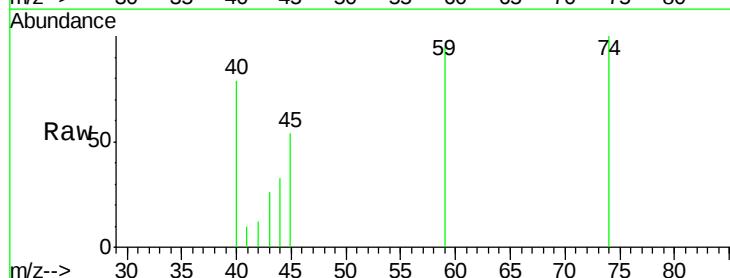
Acq: 01 Jul 2020 18:57

Tgt Ion: 74 Resp: 3332

Ion Ratio Lower Upper

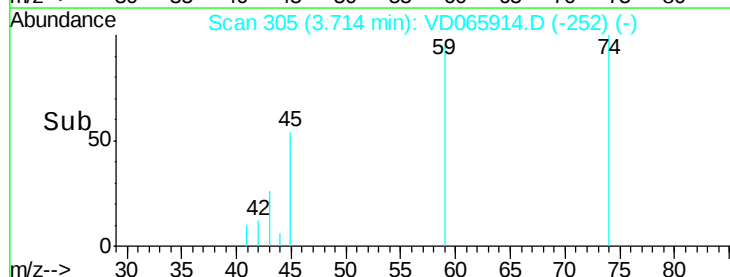
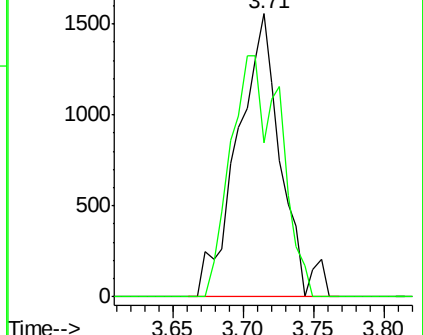
74 100

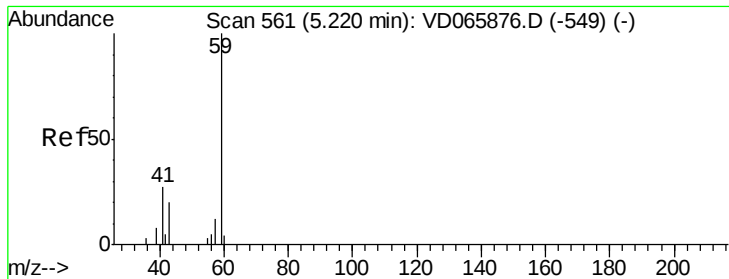
45 98.0 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



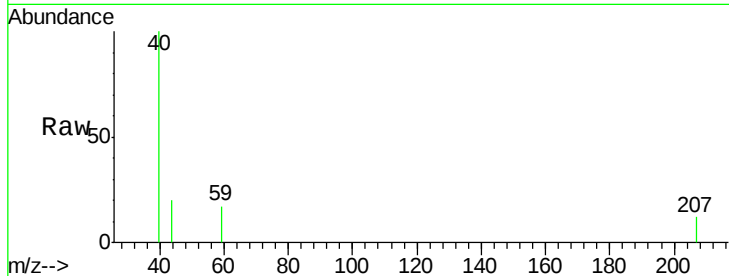


#11

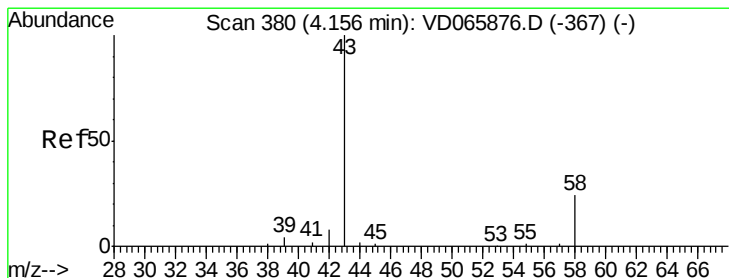
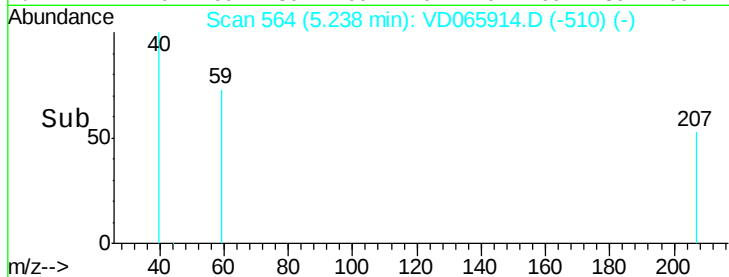
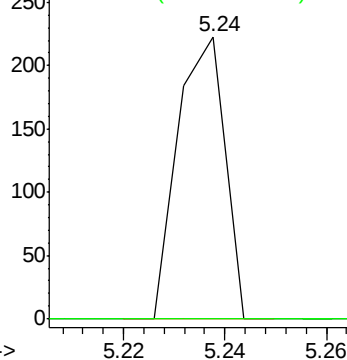
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD065914.D
Acq: 01 Jul 2020 18:57

Instrument :
MSVOA_D
ClientSampleId :
TP2-TS

Tot Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 9.7 14.5#



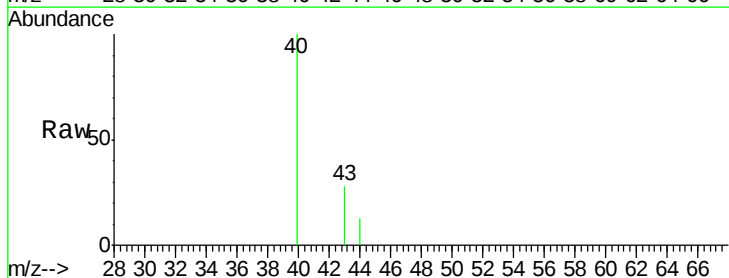
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



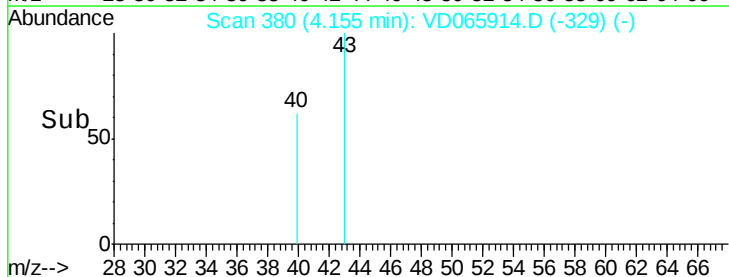
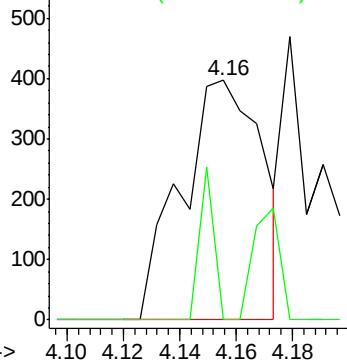
#16

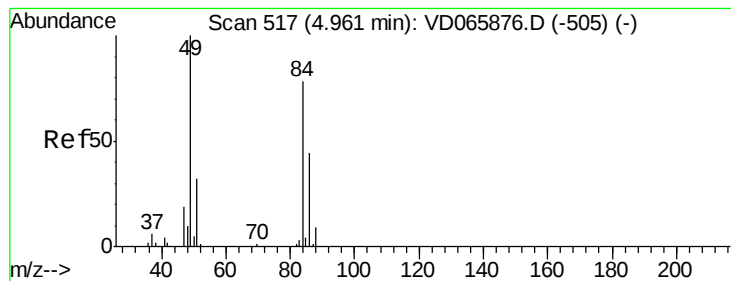
Acetone
Concen: 3.179 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD065914.D
Acq: 01 Jul 2020 18:57

Tgt Ion: 43 Resp: 791
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





#20

Methylene Chloride

Concen: 13.900 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

Instrument :

MSVOA_D

ClientSampleId :

TP2-TS

Tot Ion: 84 Resp: 23118

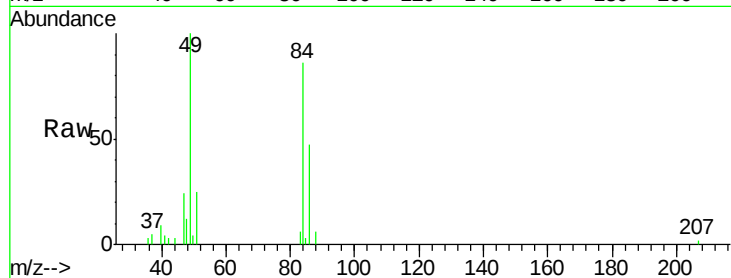
Ion Ratio Lower Upper

84 100

49 116.1 103.0 154.6

51 28.5 32.7 49.1#

86 54.6 44.9 67.3

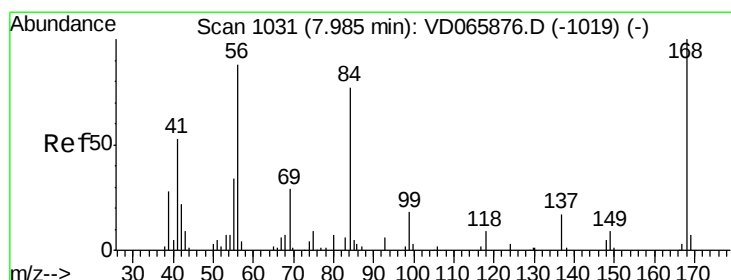
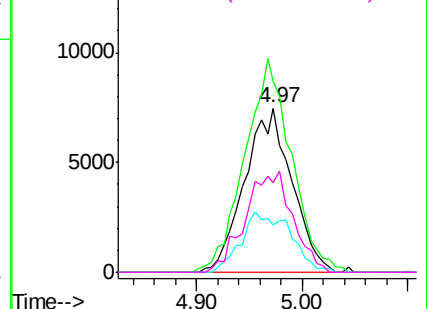
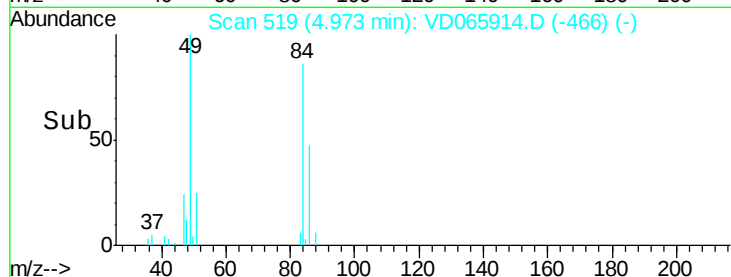


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.530 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

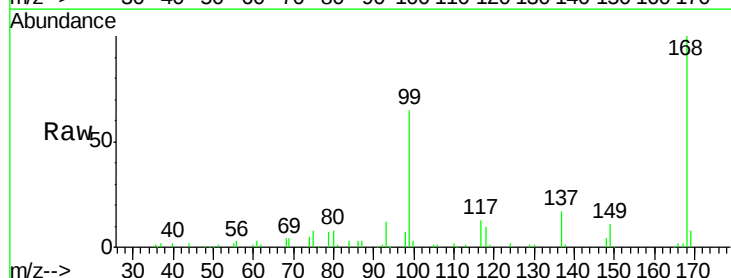
Tgt Ion: 56 Resp: 3480

Ion Ratio Lower Upper

56 100

69 118.1 26.2 39.4#

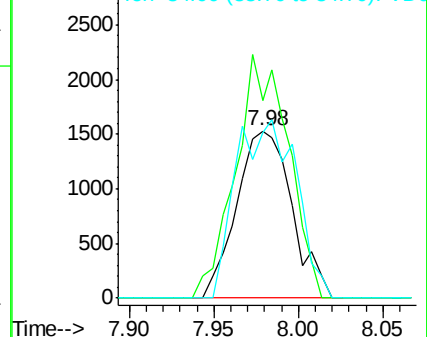
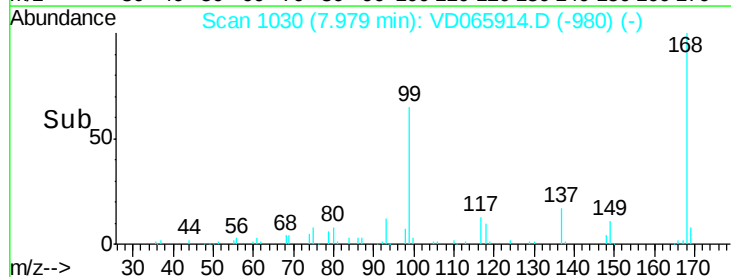
84 98.7 70.3 105.5

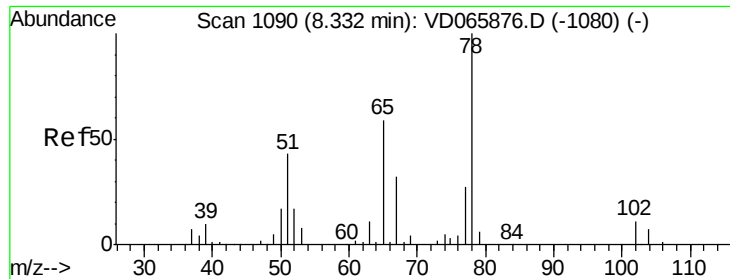


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

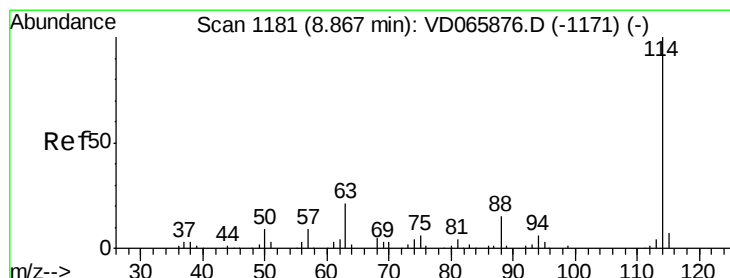
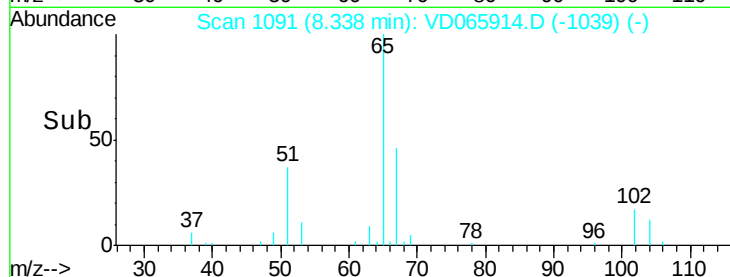
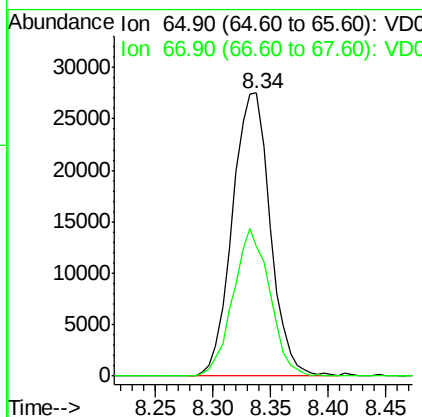
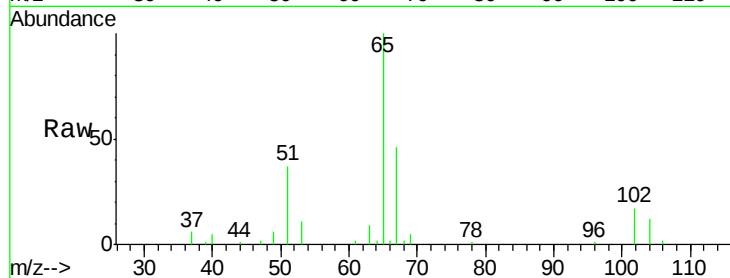




#33
 1,2-Dichloroethane-d4
 Concen: 49.325 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065914.D
 Acq: 01 Jul 2020 18:57

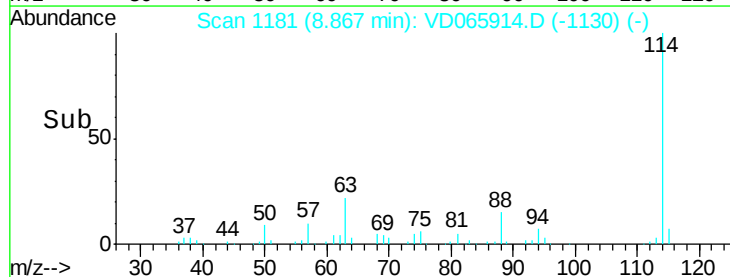
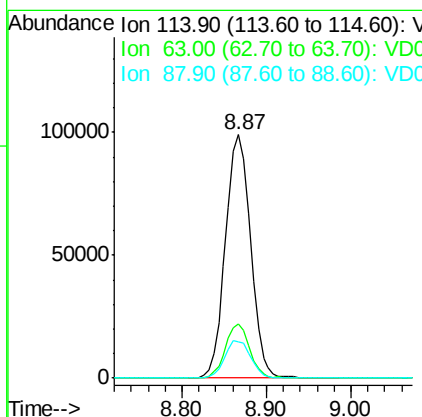
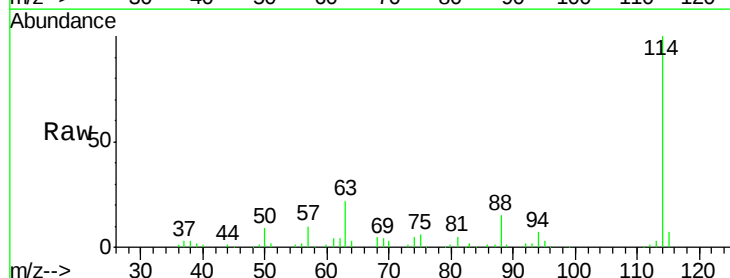
Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-TS

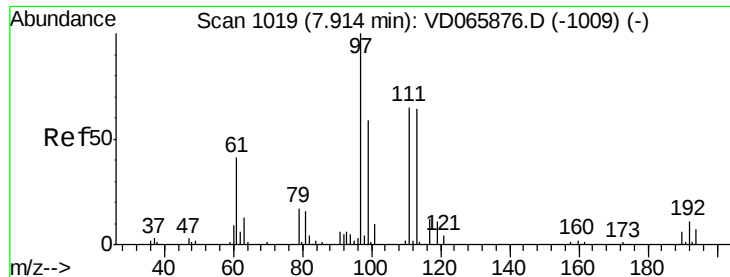
Tot Ion: 65 Resp: 62632
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065914.D
 Acq: 01 Jul 2020 18:57

Tgt Ion: 114 Resp: 203487
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.6
 88 15.1 0.0 29.0

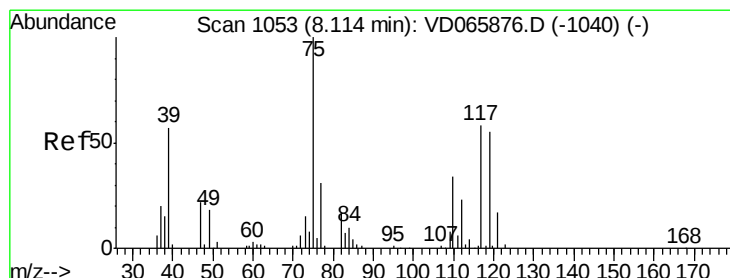
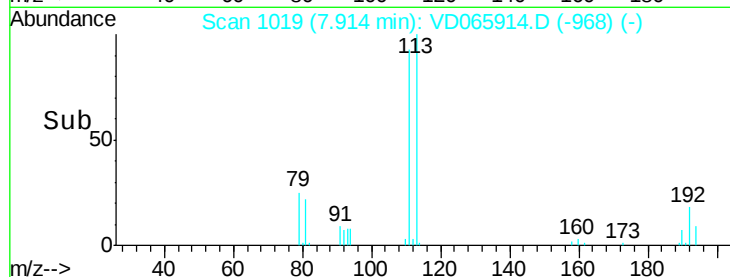
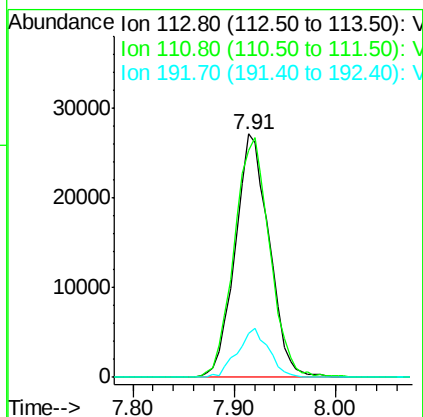
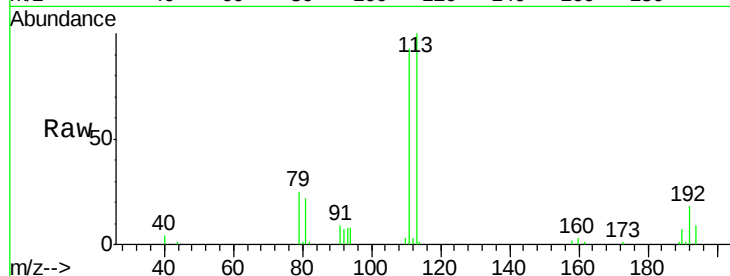




#35
 Dibromofluoromethane
 Concen: 50.296 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065914.D
 Acq: 01 Jul 2020 18:57

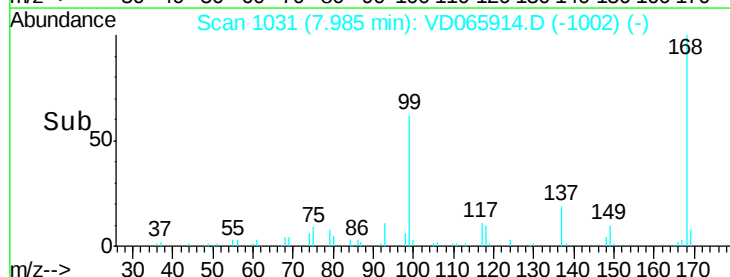
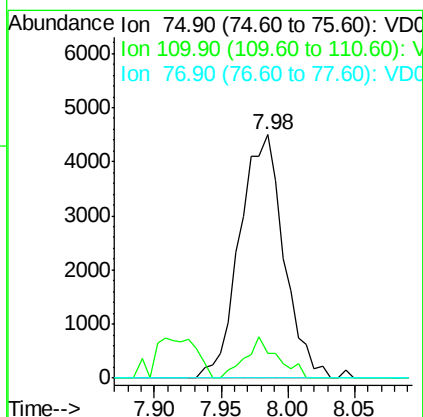
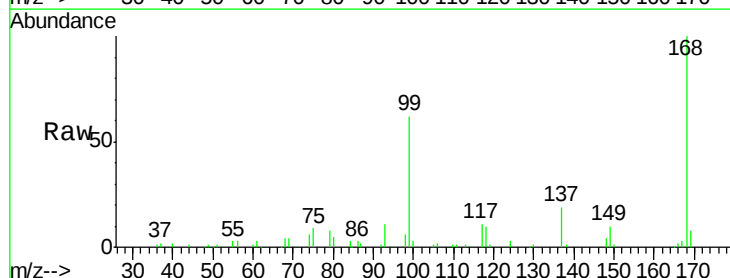
Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-TS

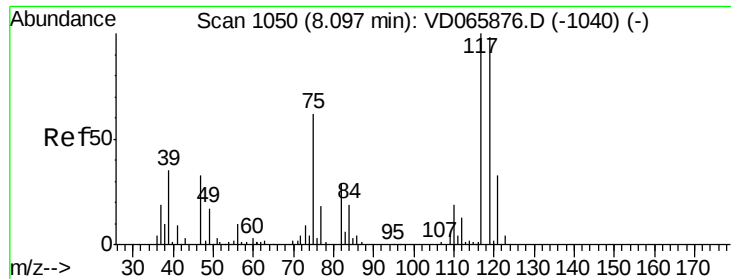
Tot Ion:113 Resp: 63261
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.0 121.6
 192 18.5 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 5.191 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065914.D
 Acq: 01 Jul 2020 18:57

Tgt Ion: 75 Resp: 10301
 Ion Ratio Lower Upper
 75 100
 110 12.1 16.8 50.4#
 77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 6.544 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

Instrument :

MSVOA_D

ClientSampleId :

TP2-TS

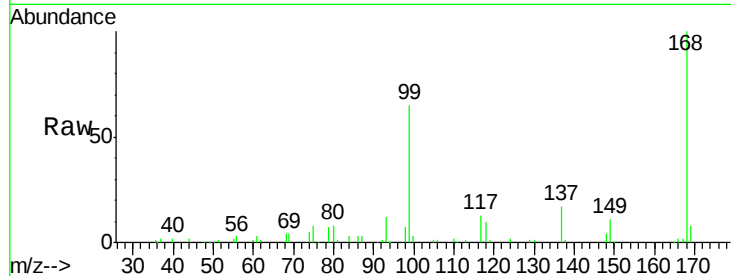
Tot Ion:117 Resp: 14022

Ion Ratio Lower Upper

117 100

119 4.5 78.6 117.8#

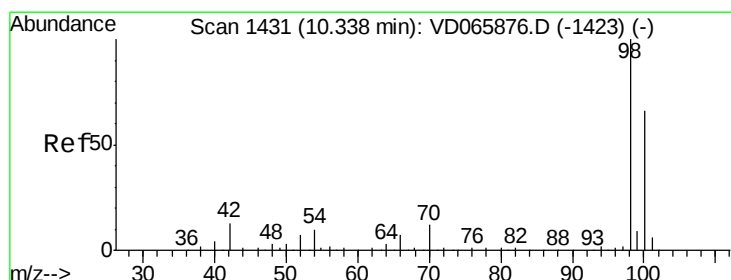
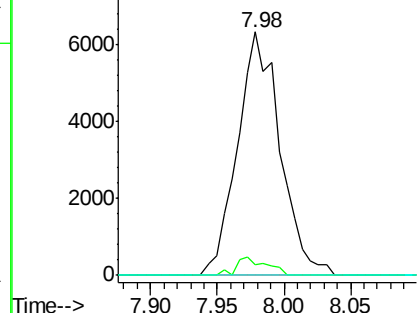
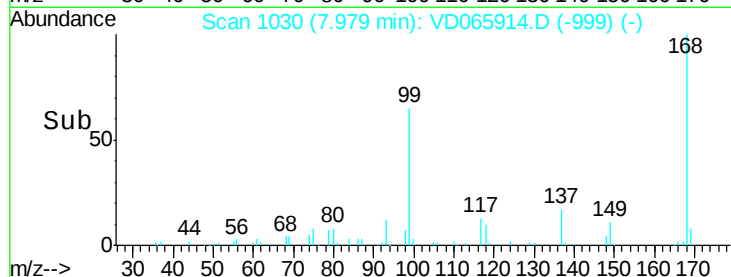
121 0.0 26.5 39.7#



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: 44.594 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065914.D

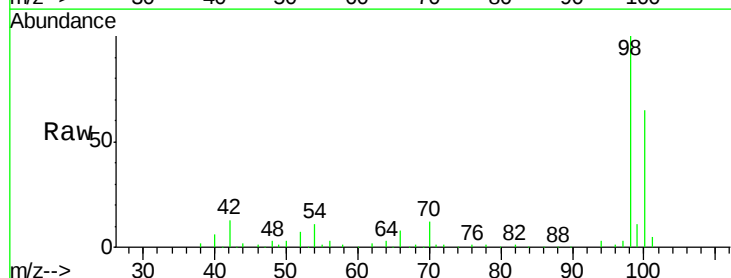
Acq: 01 Jul 2020 18:57

Tgt Ion: 98 Resp: 210989

Ion Ratio Lower Upper

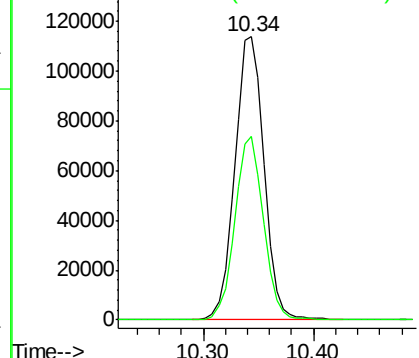
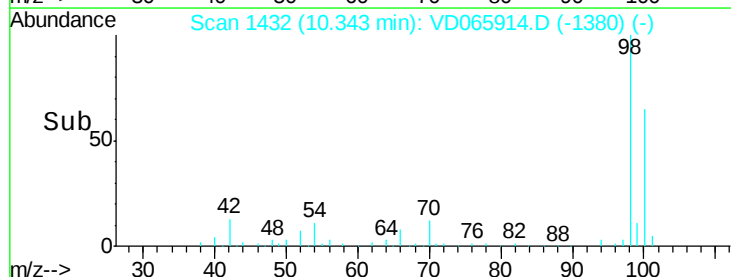
98 100

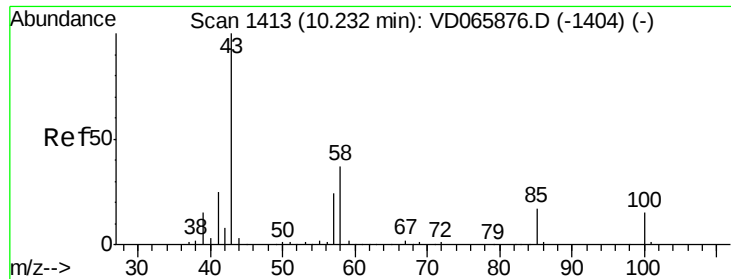
100 63.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.521 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.10 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

Instrument :

MSVOA_D

ClientSampleID :

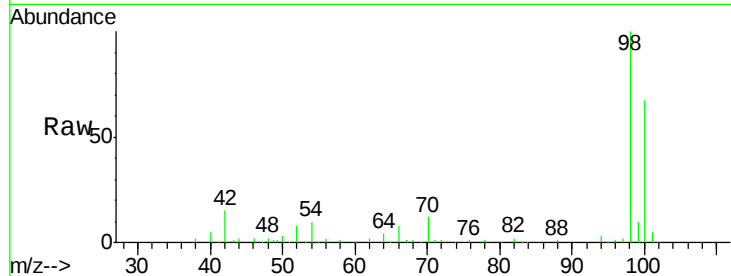
TP2-TS

Tot Ion: 43 Resp: 1153

Ion Ratio Lower Upper

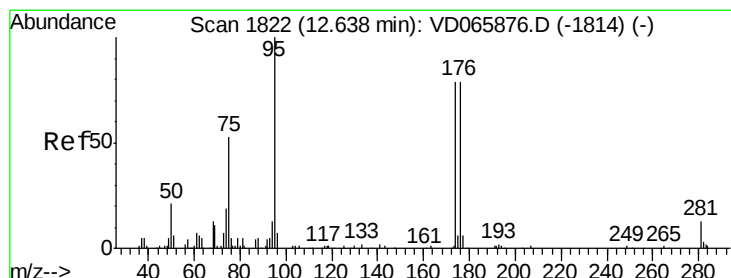
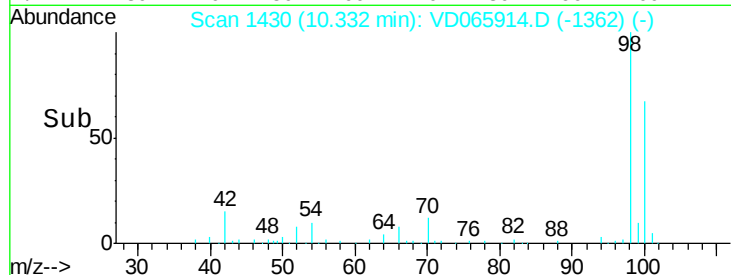
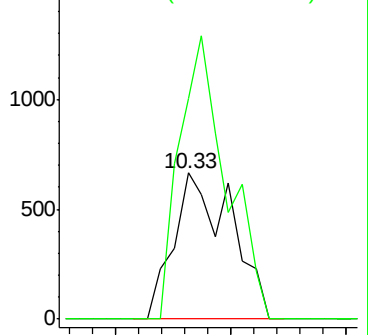
43 100

58 157.9 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 36.244 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

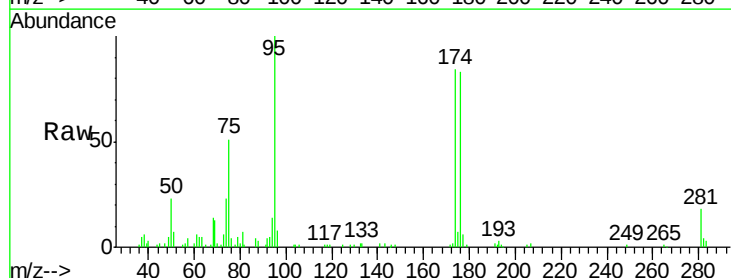
Tgt Ion: 95 Resp: 56177

Ion Ratio Lower Upper

95 100

174 81.6 0.0 158.4

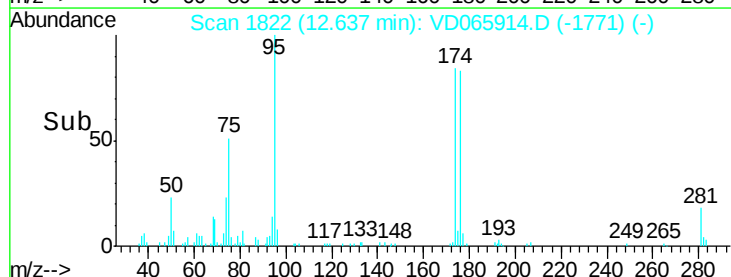
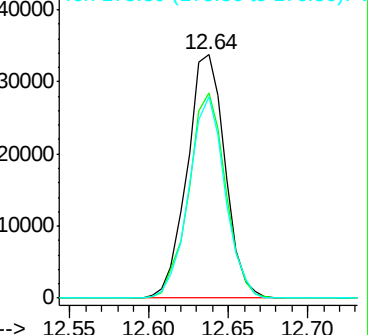
176 78.9 0.0 156.0

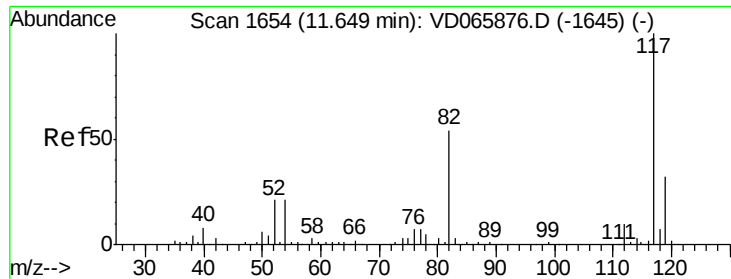


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

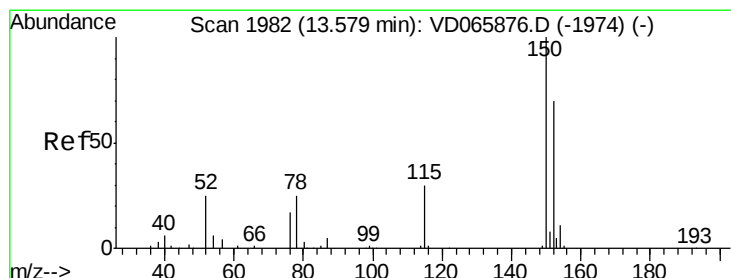
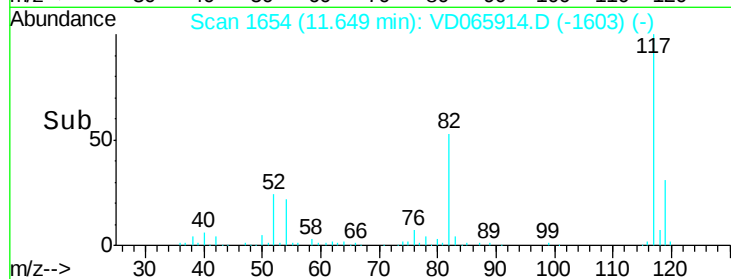
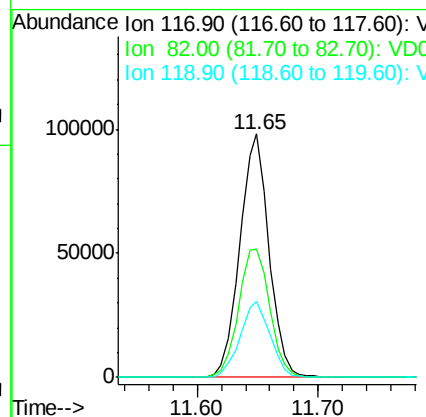
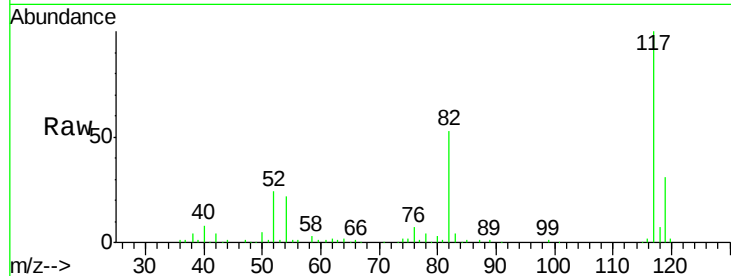




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065914.D
Acq: 01 Jul 2020 18:57

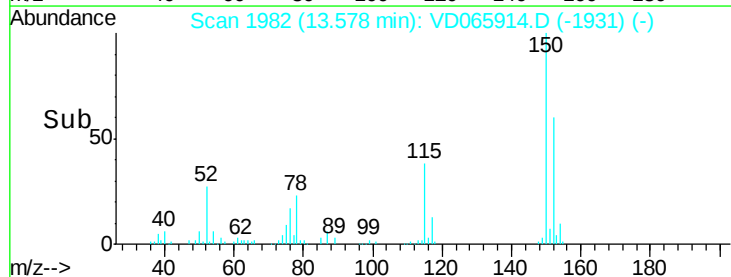
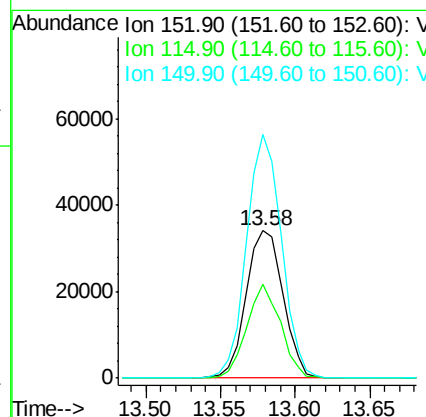
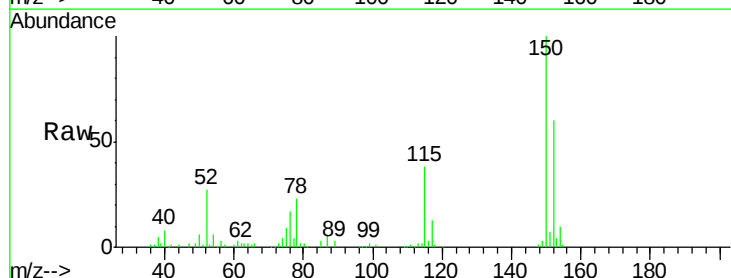
Instrument :
MSVOA_D
ClientSampled :
TP2-TS

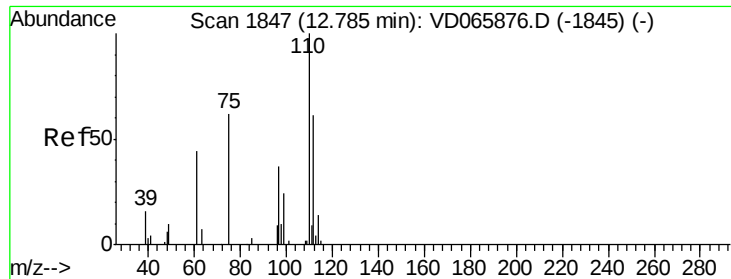
Tot Ion:117 Resp: 164910
Ion Ratio Lower Upper
117 100
82 52.5 43.6 65.4
119 31.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065914.D
Acq: 01 Jul 2020 18:57

Tgt Ion:152 Resp: 58224
Ion Ratio Lower Upper
152 100
115 58.3 29.7 89.1
150 156.4 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 60.365 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

Instrument :

MSVOA_D

ClientSampleId :

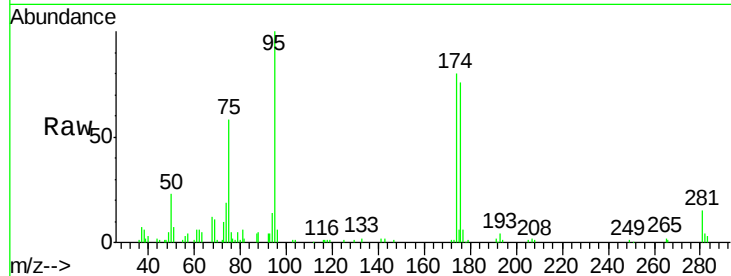
TP2-TS

Tot Ion: 75 Resp: 30754

Ion Ratio Lower Upper

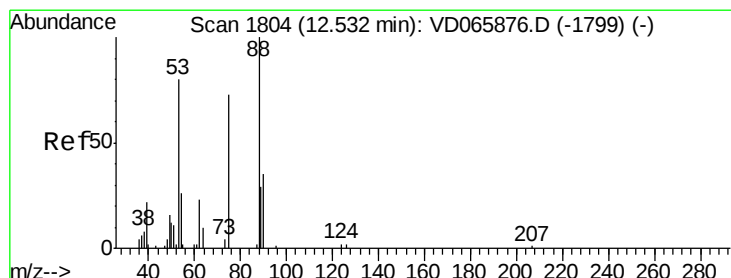
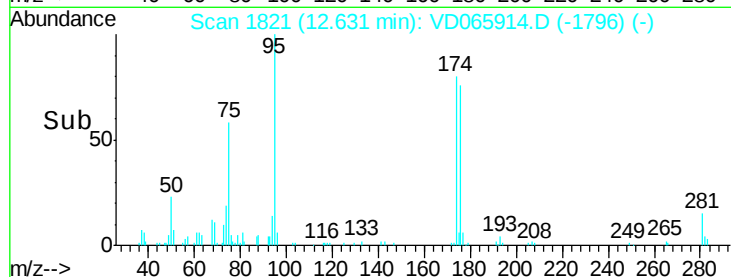
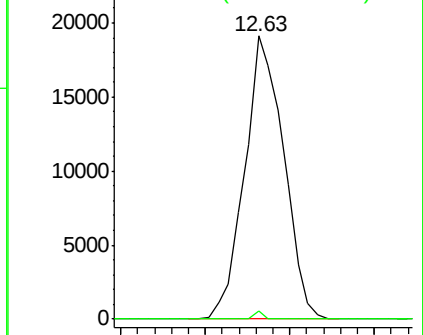
75 100

77 0.7 168.5 505.5#



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: 129.684 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

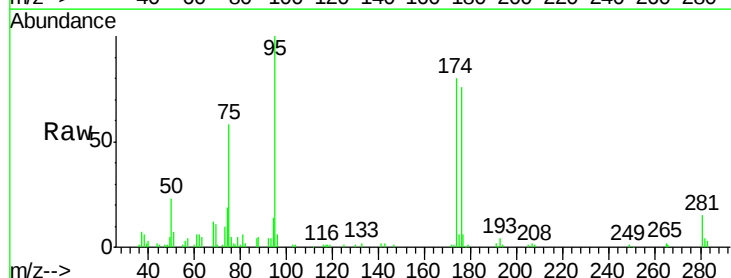
Tgt Ion: 75 Resp: 30754

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

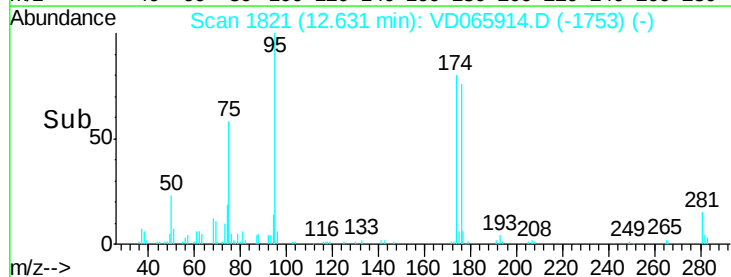
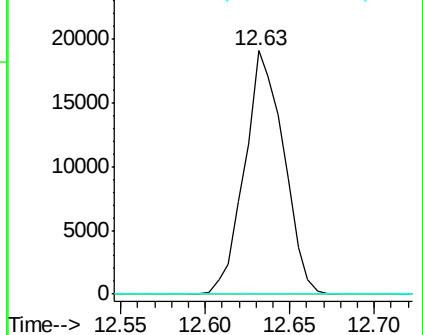
89 0.0 36.5 54.7#

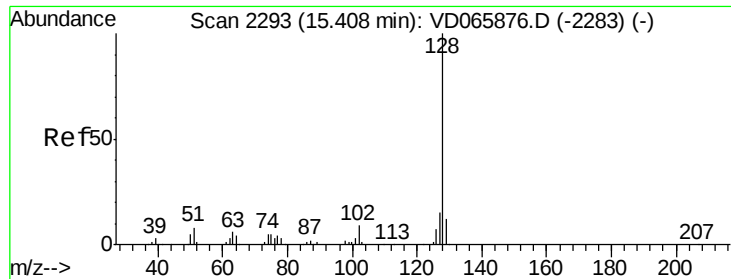


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.206 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD065914.D

Acq: 01 Jul 2020 18:57

Instrument :

MSVOA_D

ClientSampleId :

TP2-TS

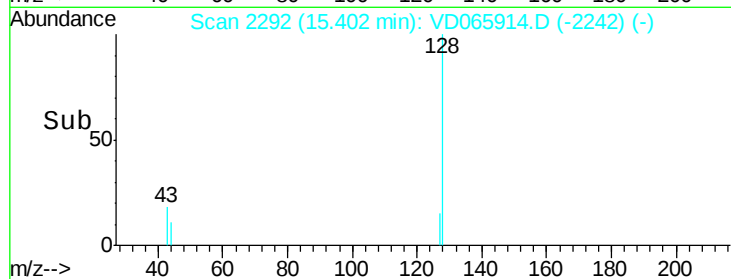
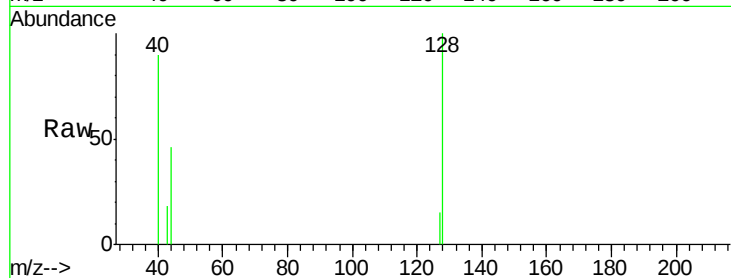
Tot Ion:128 Resp: 2191

Ion Ratio Lower Upper

128 100

127 6.4 10.8 16.2#

129 0.0 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

