

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065907.D
 Acq On : 01 Jul 2020 15:48
 Operator : VA/SY
 Sample : L3172-03
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-SS

Quant Time: Jul 02 04:44:53 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	130417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	226729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	206911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	92781	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	83499	61.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.26%	
35) Dibromofluoromethane	7.91	113	74063	52.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.70%	
50) Toluene-d8	10.34	98	250324	47.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.64	95	82225	47.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.22%	

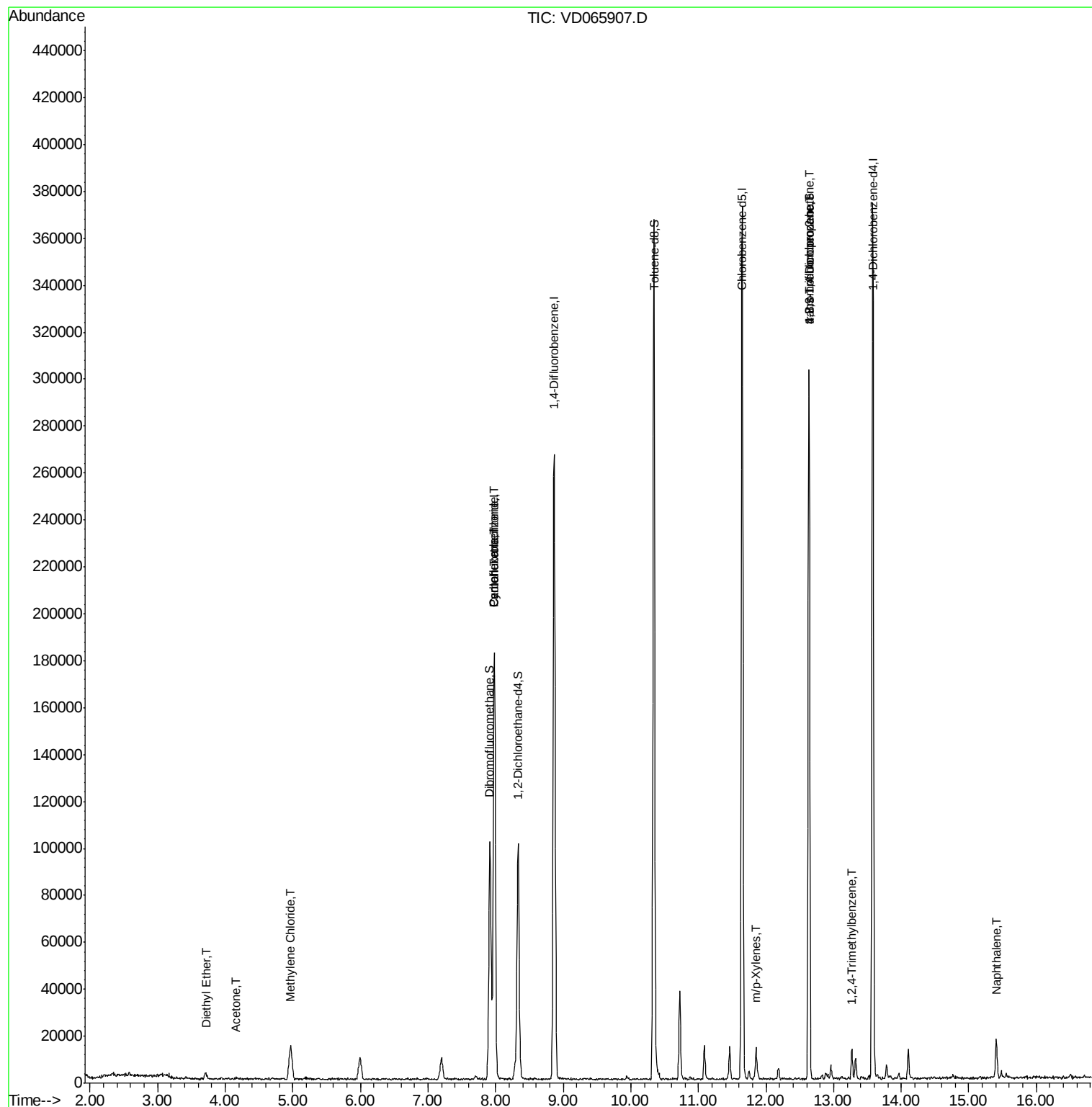
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	1130	1.774	ug/l	67
11) Tert butyl alcohol	5.18	59	608	Below Cal	#	69
16) Acetone	4.16	43	903	3.402	ug/l #	51
20) Methylene Chloride	4.96	84	10923	2.767	ug/l	93
31) Cyclohexane	7.98	56	3601	1.484	ug/l #	35
38) Carbon Tetrachloride	7.98	117	14243	5.966	ug/l #	15
68) m/p-Xylenes	11.85	106	4077	1.405	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	47223	58.167	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	47223	124.963	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.27	105	6790	1.241	ug/l	100
95) Naphthalene	15.41	128	15889	5.489	ug/l	99

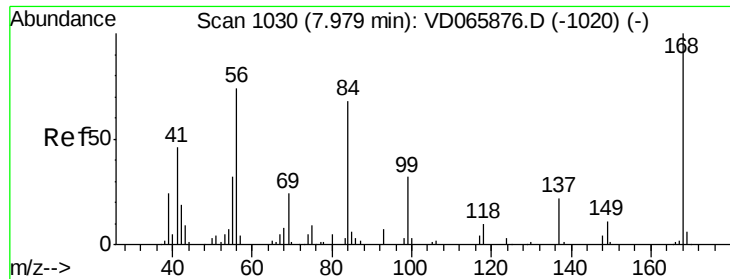
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065907.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

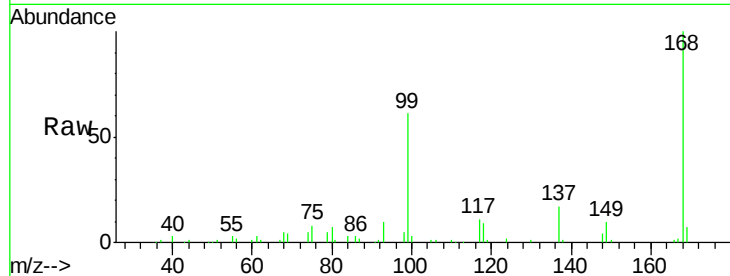
TP2-SS

Tot Ion:168 Resp: 130417

Ion Ratio Lower Upper

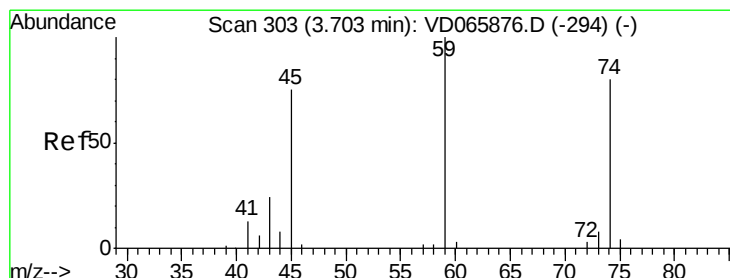
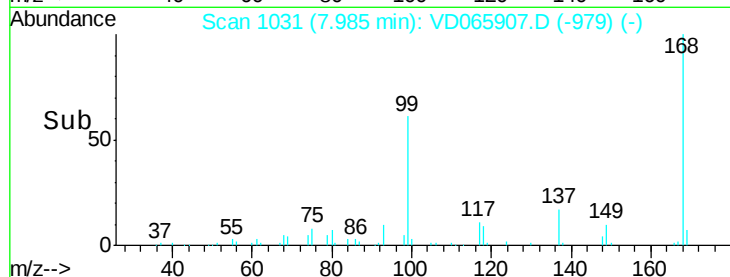
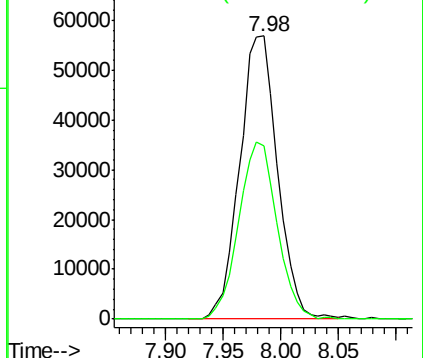
168 100

99 61.3 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: 1.774 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD065907.D

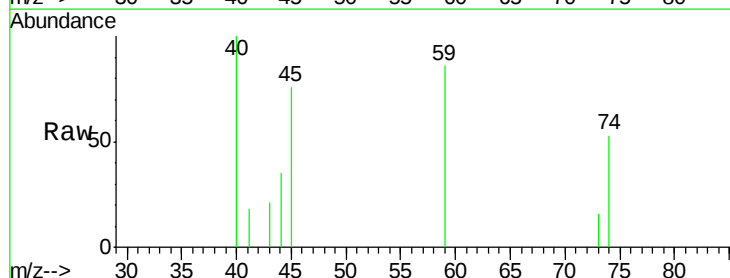
Acq: 01 Jul 2020 15:48

Tgt Ion: 74 Resp: 1130

Ion Ratio Lower Upper

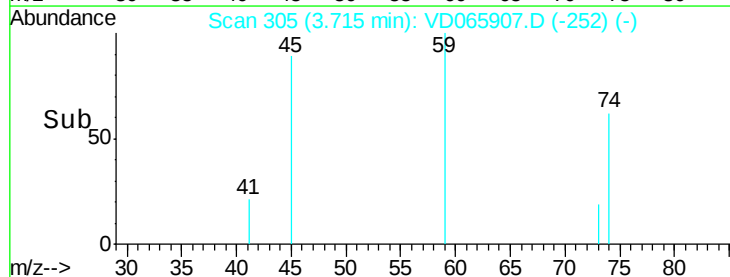
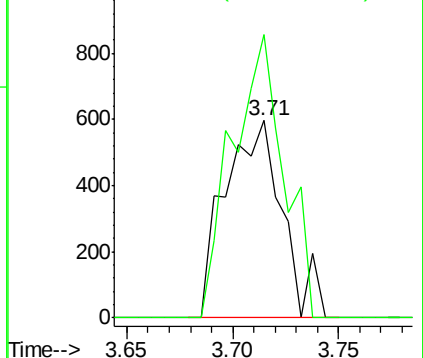
74 100

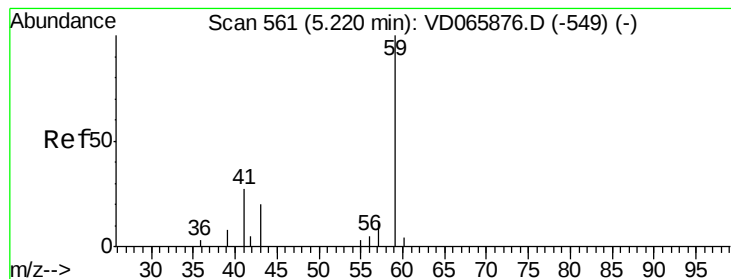
45 129.3 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



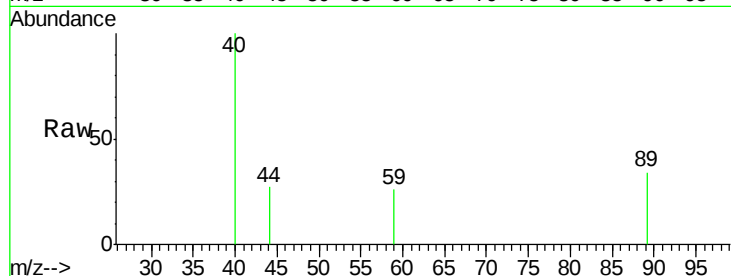


#11

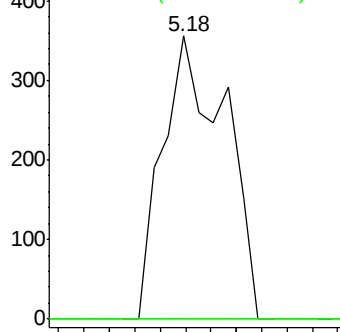
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-SS

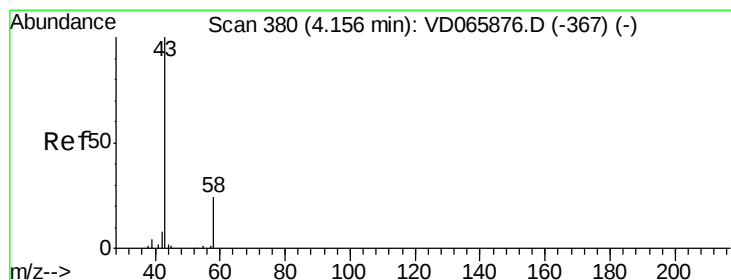
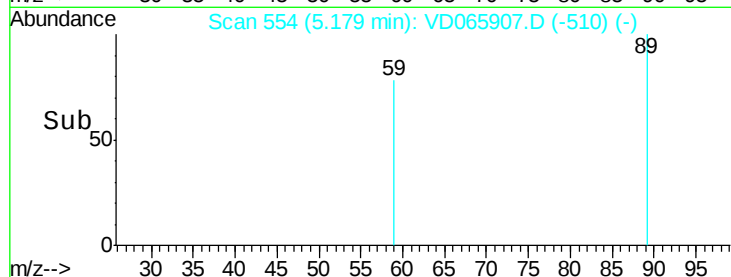
Tot Ion: 59 Resp: 608
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.7 14.5#



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



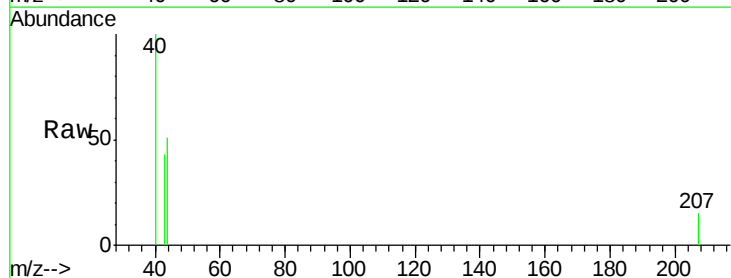
Time-->



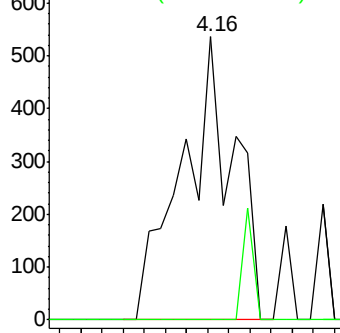
#16

Acetone
 Concen: 3.402 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

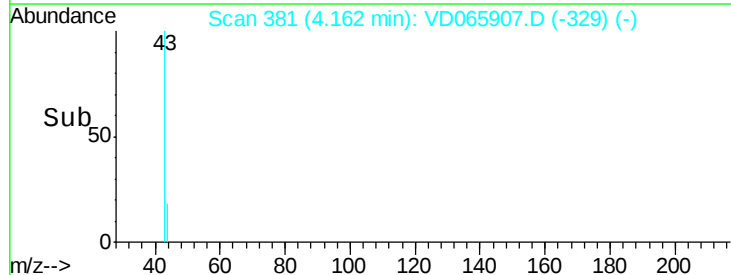
Tgt Ion: 43 Resp: 903
 Ion Ratio Lower Upper
 43 100
 58 0.0 19.5 29.3#

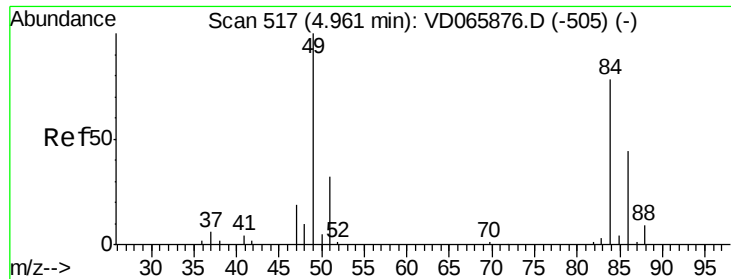


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC



Time-->

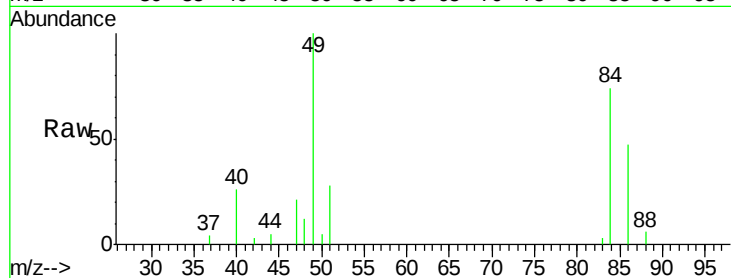




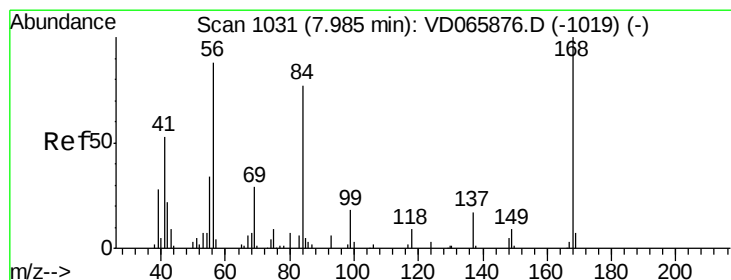
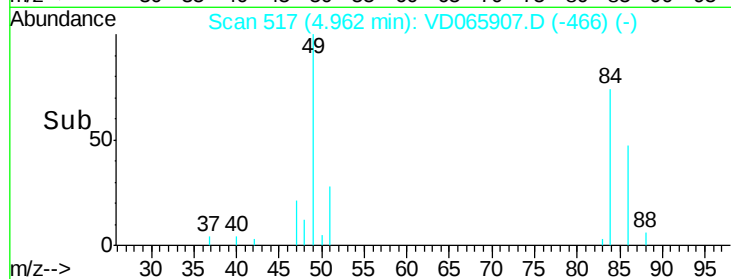
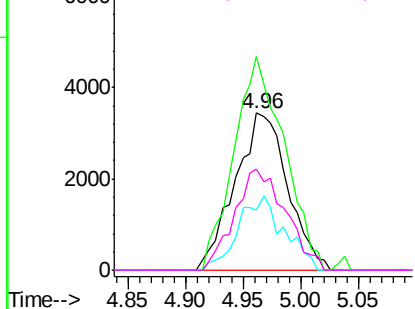
#20
Methvlene Chloride
Concen: 2.767 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065907.D
Acq: 01 Jul 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
TP2-SS

Tot Ion: 84 Resp: 10923
Ion Ratio Lower Upper
84 100
49 136.0 103.0 154.6
51 38.6 32.7 49.1
86 64.1 44.9 67.3

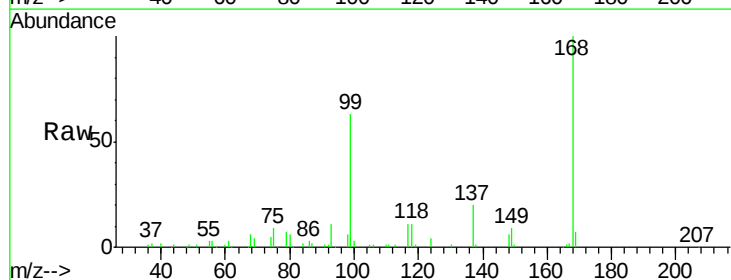


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

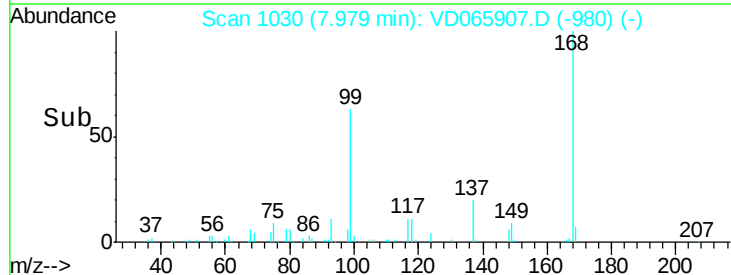
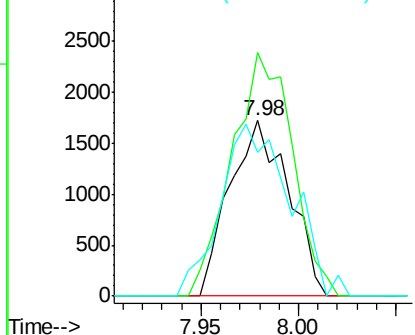


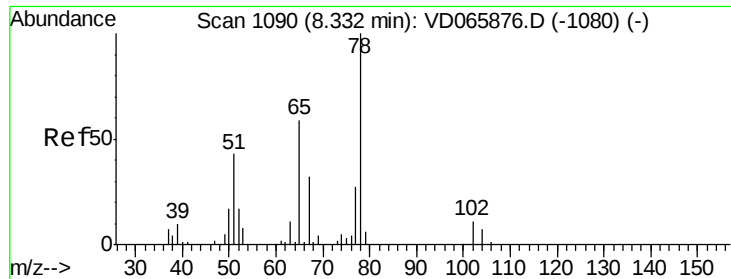
#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065907.D
Acq: 01 Jul 2020 15:48

Tgt Ion: 56 Resp: 3601
Ion Ratio Lower Upper
56 100
69 138.8 26.2 39.4#
84 70.4 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

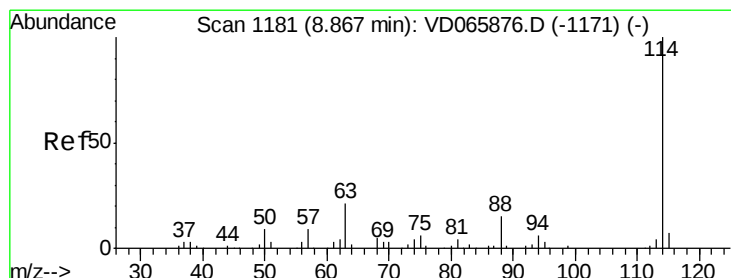
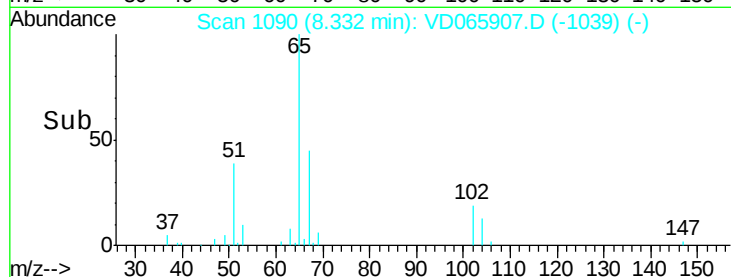
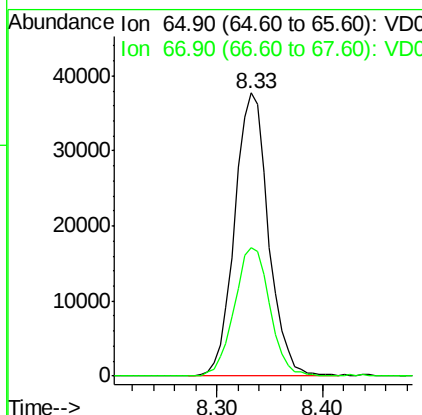
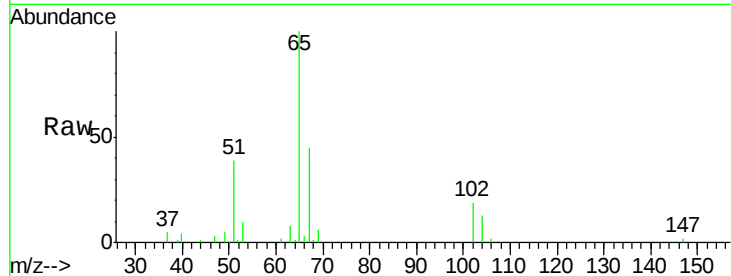




#33
 1,2-Dichloroethane-d4
 Concen: 61.627 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

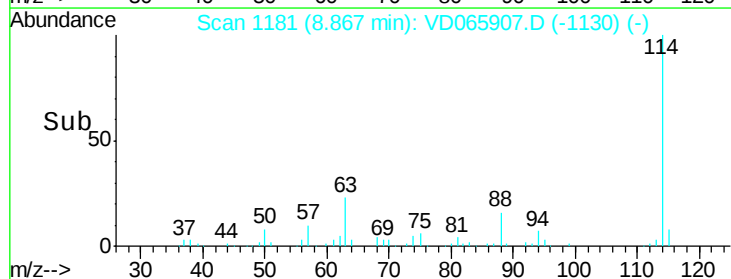
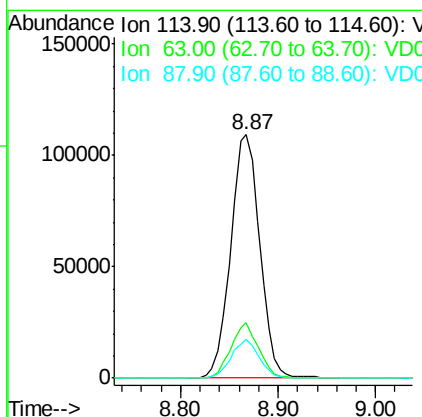
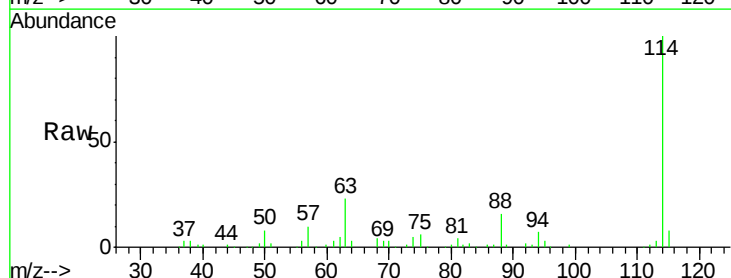
Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-SS

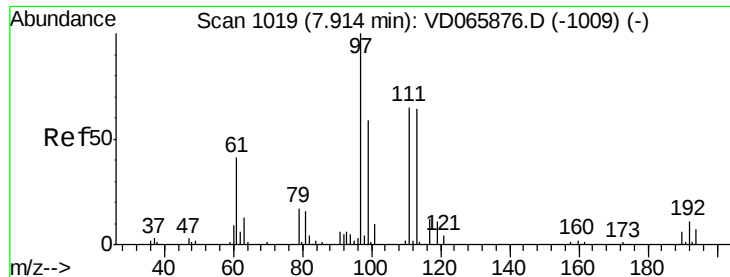
Tot Ion: 65 Resp: 83499
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

Tgt Ion: 114 Resp: 226729
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 42.6
 88 16.1 0.0 29.0

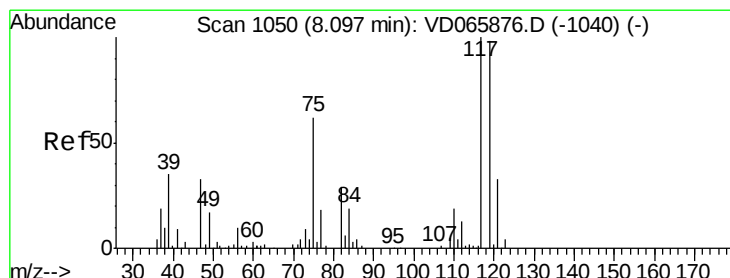
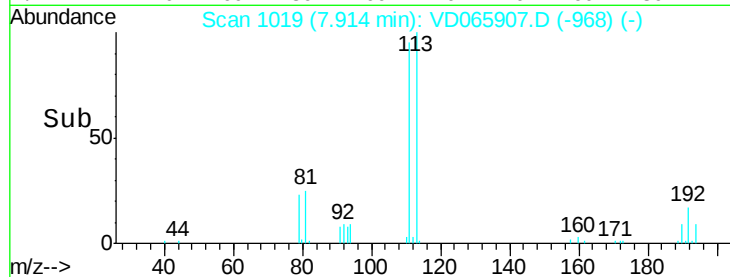
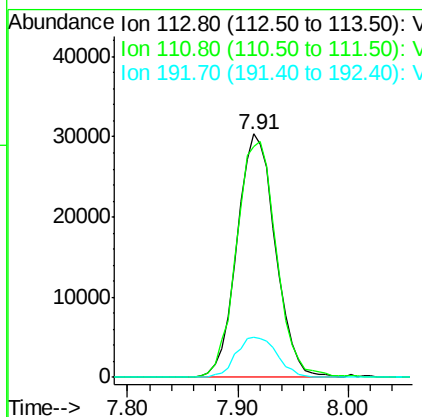
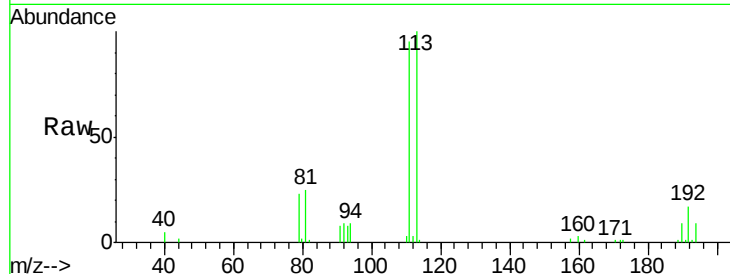




#35
 Dibromofluoromethane
 Concen: 52.848 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

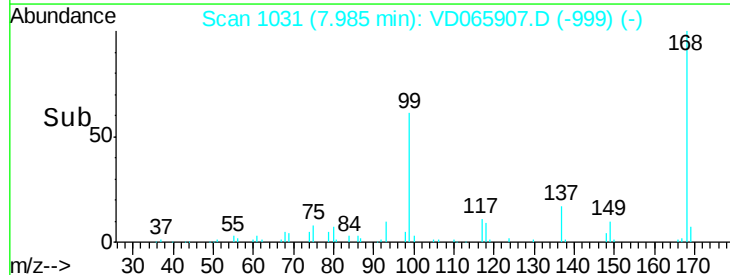
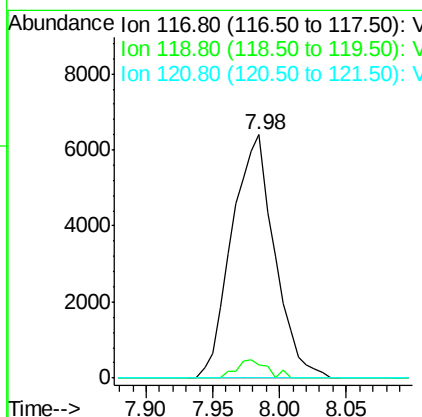
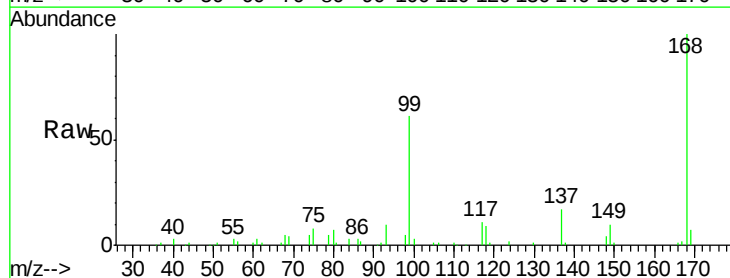
Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-SS

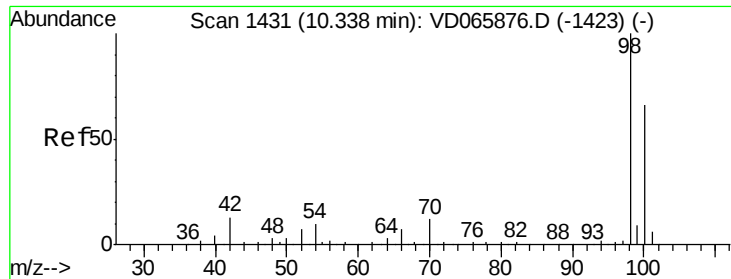
Tot Ion:113	Resp:	74063
Ion	Ratio	Lower Upper
113	100	
111	101.0	81.0 121.6
192	17.6	15.2 22.8



#38
 Carbon Tetrachloride
 Concen: 5.966 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

Tgt Ion:117	Resp:	14243
Ion	Ratio	Lower Upper
117	100	
119	5.2	78.6 117.8#
121	0.0	26.5 39.7#

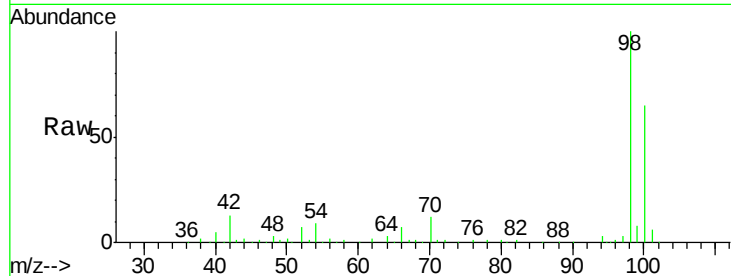




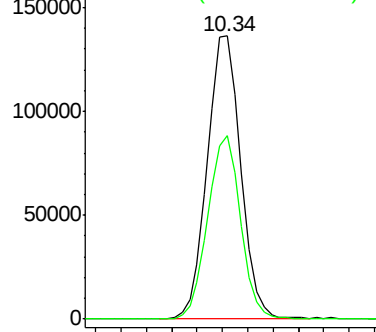
#50
Toluene-d8
Concen: 47.485 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065907.D
Acq: 01 Jul 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
TP2-SS

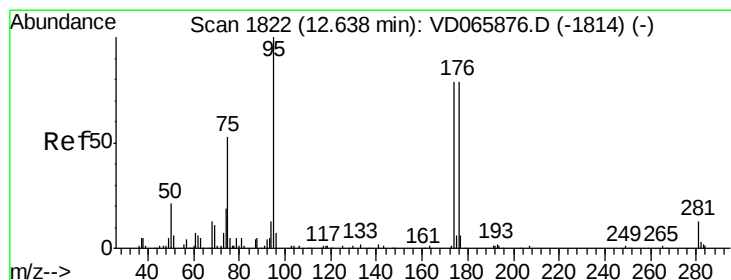
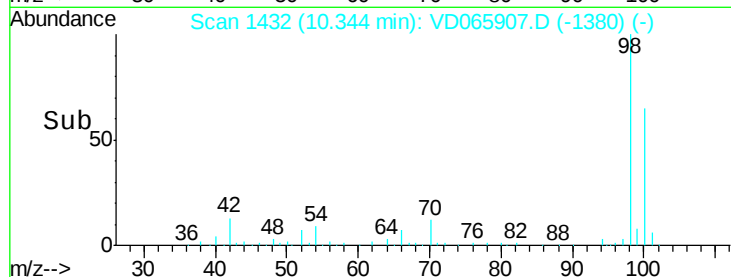
Tot Ion: 98 Resp: 250324
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

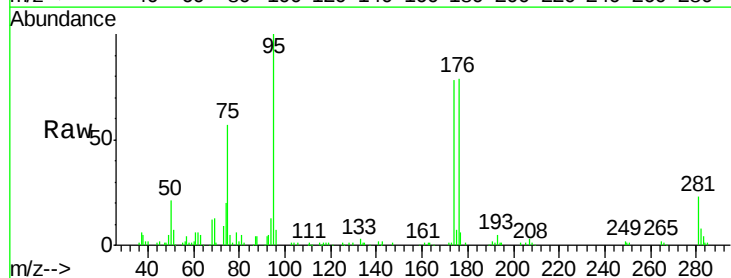


Time-->

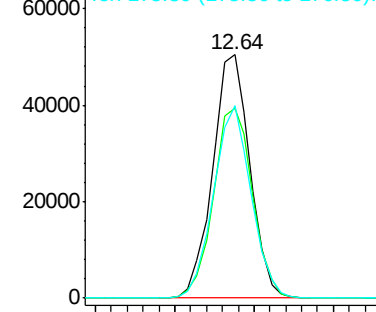


#62
4-Bromofluorobenzene
Concen: 47.611 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065907.D
Acq: 01 Jul 2020 15:48

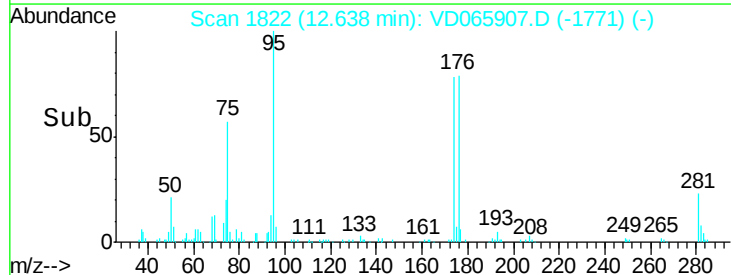
Tgt Ion: 95 Resp: 82225
Ion Ratio Lower Upper
95 100
174 81.7 0.0 158.4
176 79.4 0.0 156.0

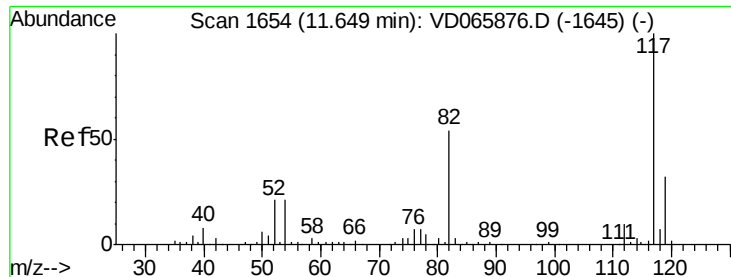


Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC



Time-->

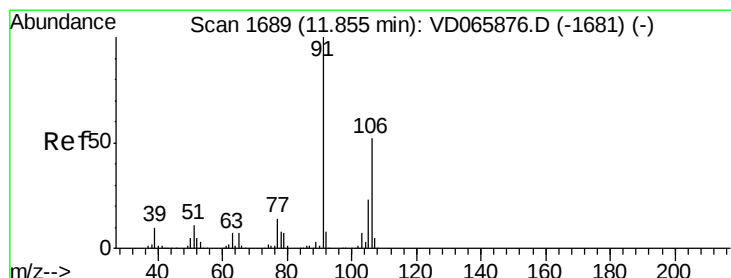
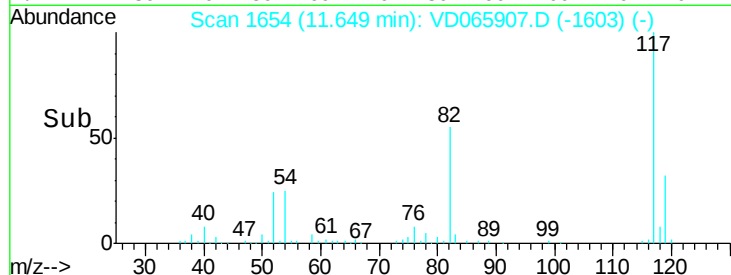
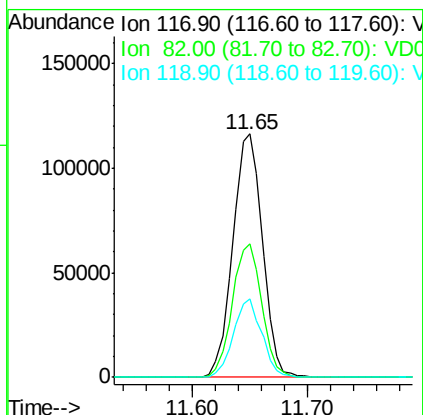
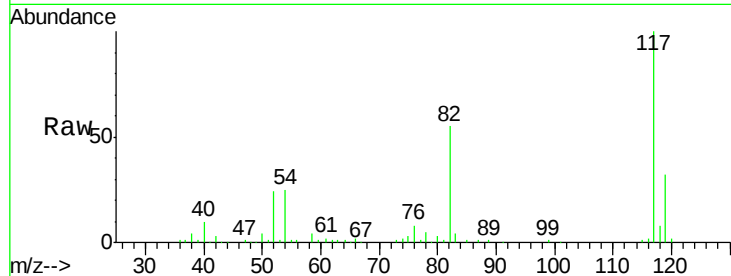




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065907.D
Acq: 01 Jul 2020 15:48

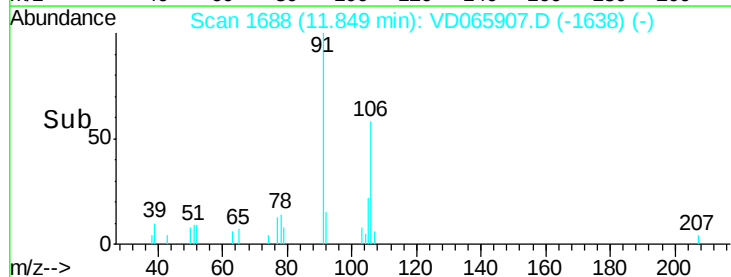
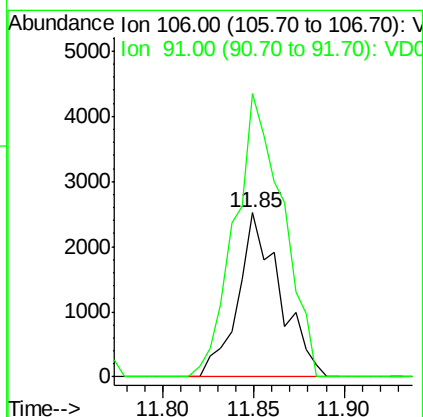
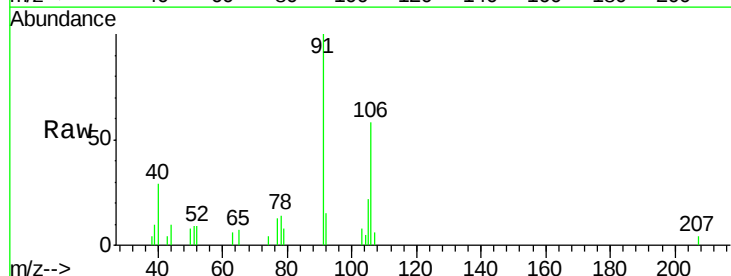
Instrument :
MSVOA_D
ClientSampleId :
TP2-SS

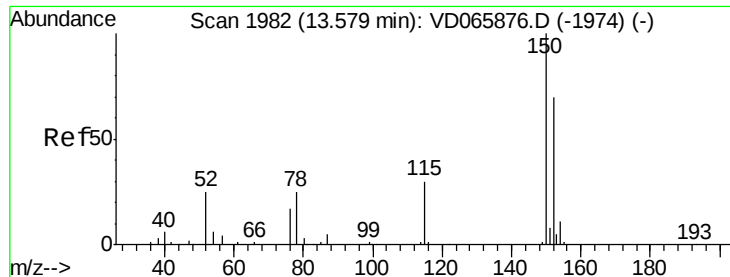
Tot Ion:117 Resp: 206911
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 1.405 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD065907.D
Acq: 01 Jul 2020 15:48

Tgt Ion:106 Resp: 4077
Ion Ratio Lower Upper
106 100
91 196.4 159.5 239.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065907.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

TP2-SS

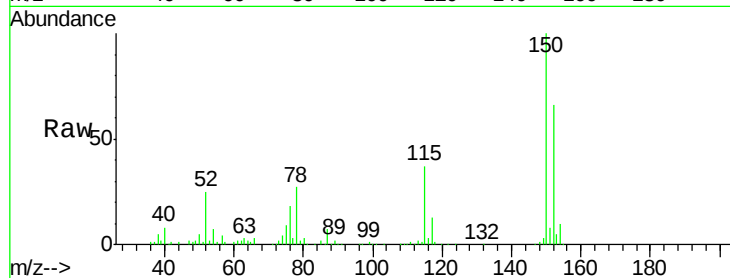
Tot Ion:152 Resp: 92781

Ion Ratio Lower Upper

152 100

115 58.4 29.7 89.1

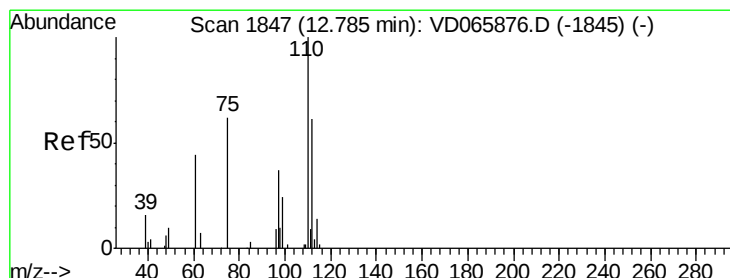
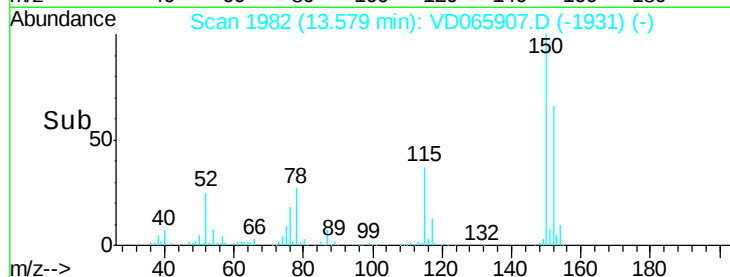
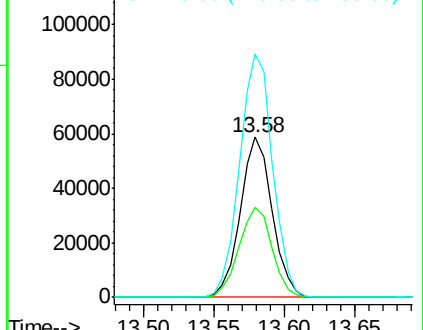
150 157.3 0.0 346.2



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: 58.167 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065907.D

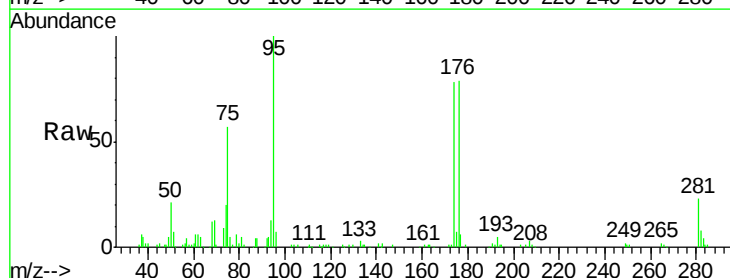
Acq: 01 Jul 2020 15:48

Tgt Ion: 75 Resp: 47223

Ion Ratio Lower Upper

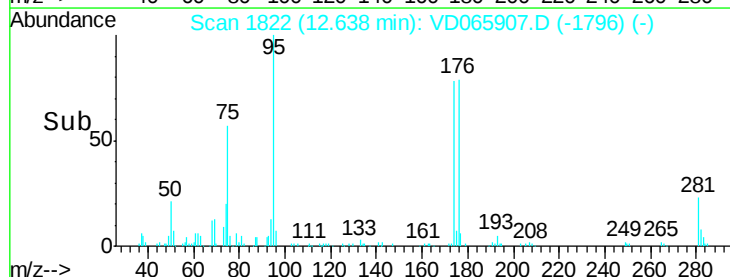
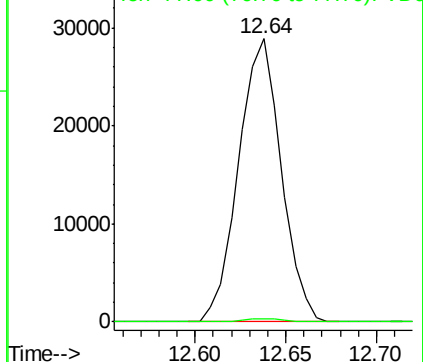
75 100

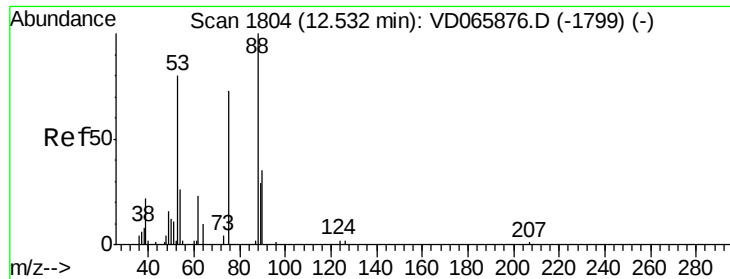
77 0.9 168.5 505.5#



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: 124.963 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065907.D

Acq: 01 Jul 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

TP2-SS

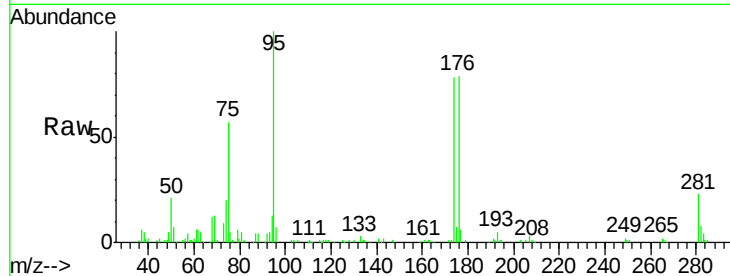
Tot Ion: 75 Resp: 47223

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

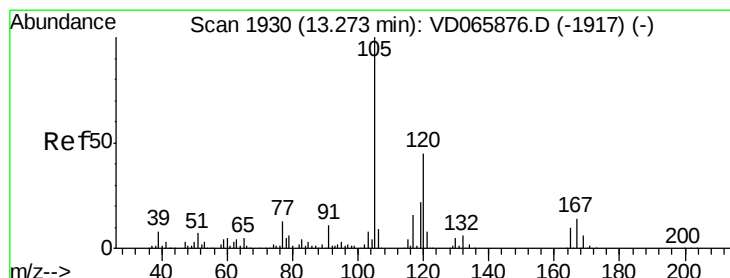
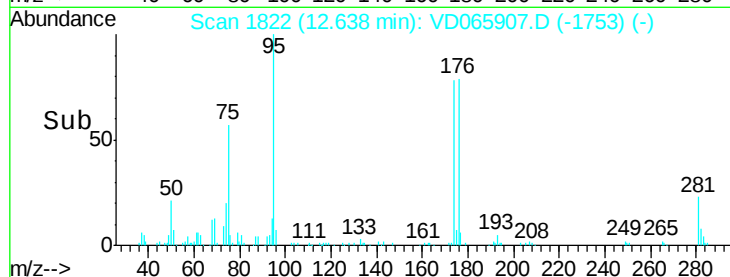
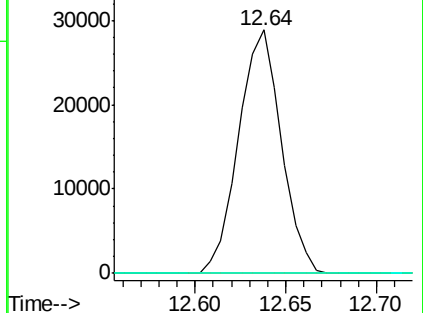
89 0.0 36.5 54.7#



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: 1.241 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD065907.D

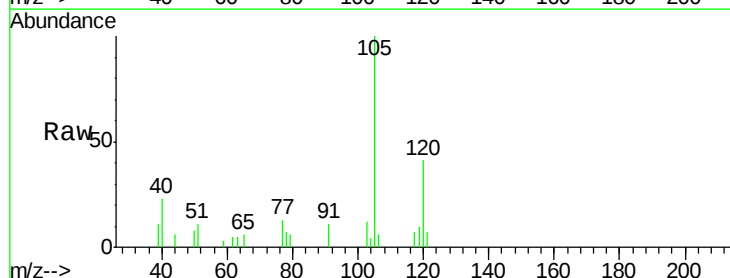
Acq: 01 Jul 2020 15:48

Tgt Ion: 105 Resp: 6790

Ion Ratio Lower Upper

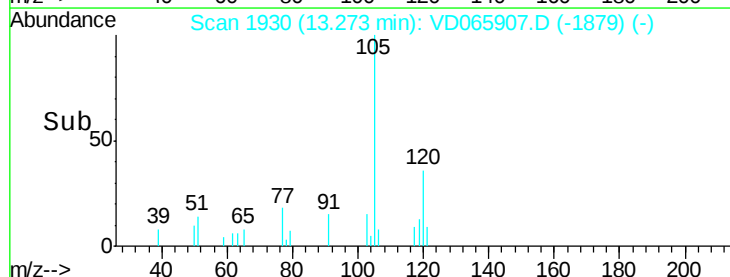
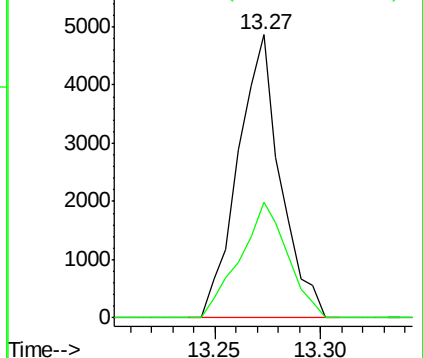
105 100

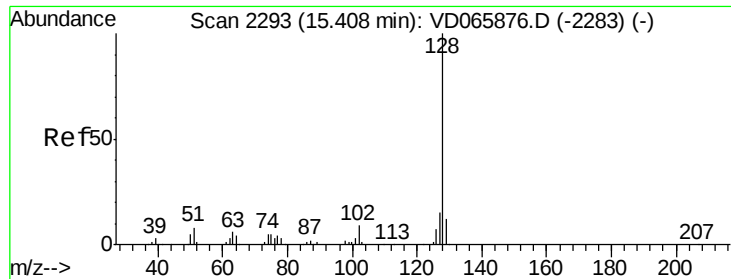
120 45.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 5.489 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD065907.D
 Acq: 01 Jul 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-SS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	11.3	8.8	13.2

