

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065961.D
 Acq On : 16 Jul 2020 17:07
 Operator : VA/SY
 Sample : L3184-07
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

Quant Time: Jul 17 04:19:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

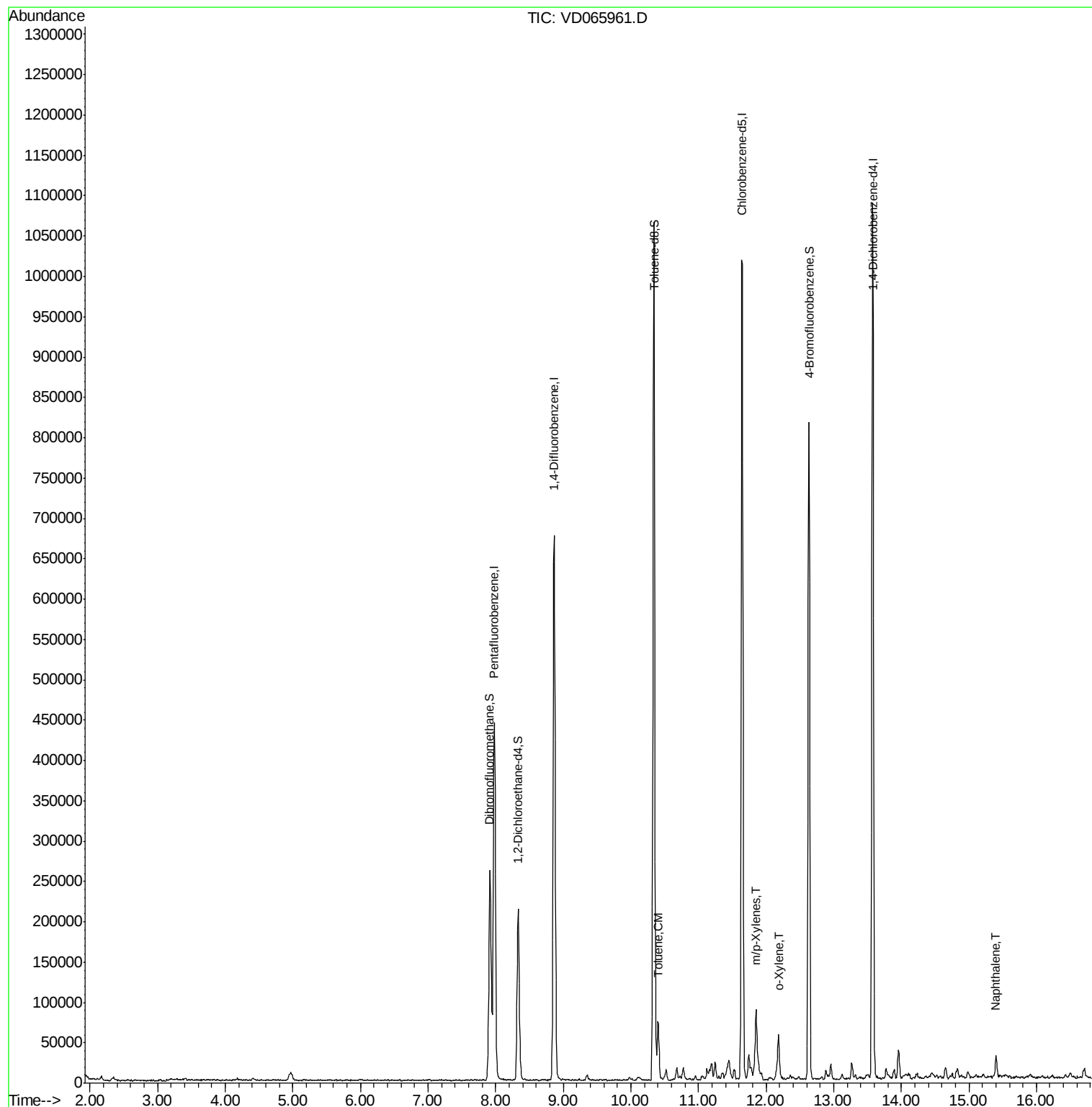
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	364611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	611560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	614475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308016	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	161221	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
35) Dibromofluoromethane	7.91	113	184481	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
50) Toluene-d8	10.34	98	732798	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.64	95	270110	57.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.28%	
Target Compounds						
52) Toluene	10.40	92	29034	2.735	ug/l	95
68) m/p-Xylenes	11.86	106	23314	2.789	ug/l	98
69) o-Xylene	12.18	106	11980	1.574	ug/l	86
95) Naphthalene	15.41	128	25053	2.458	ug/l	96

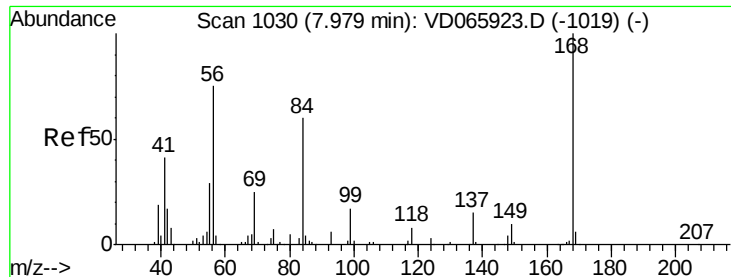
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

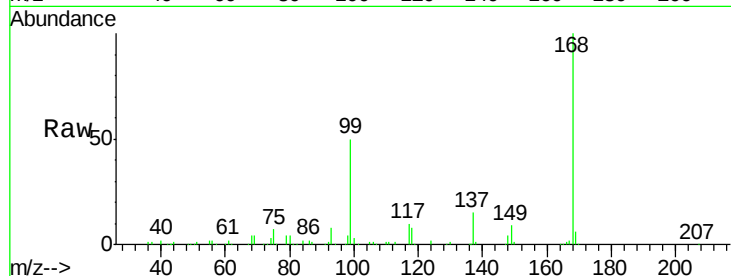
EO-01-071520

Tot Ion:168 Resp: 364611

Ion Ratio Lower Upper

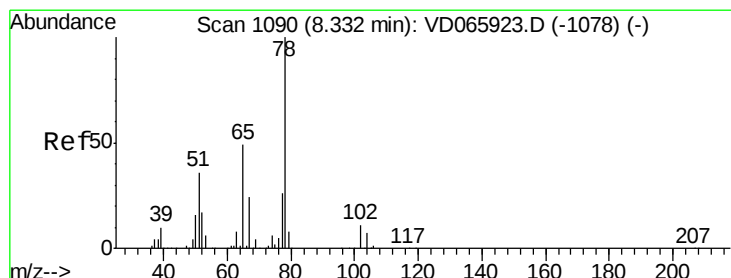
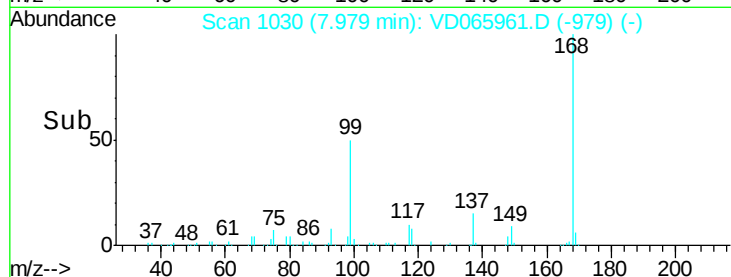
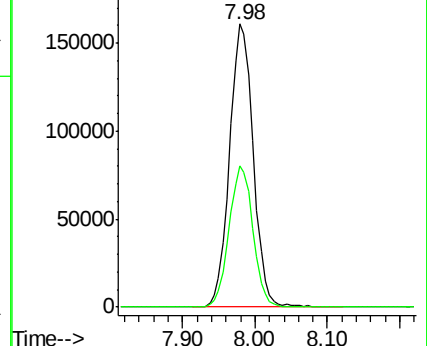
168 100

99 50.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.894 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065961.D

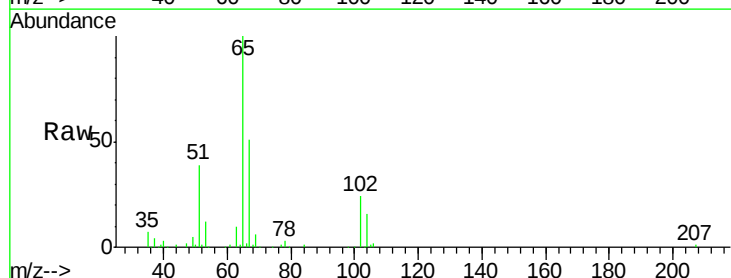
Acq: 16 Jul 2020 17:07

Tgt Ion: 65 Resp: 161221

Ion Ratio Lower Upper

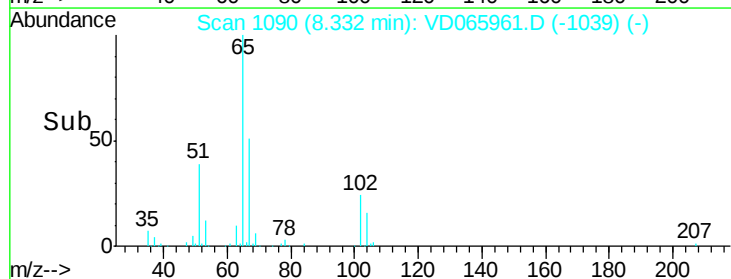
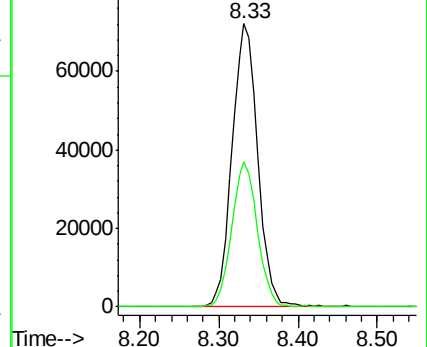
65 100

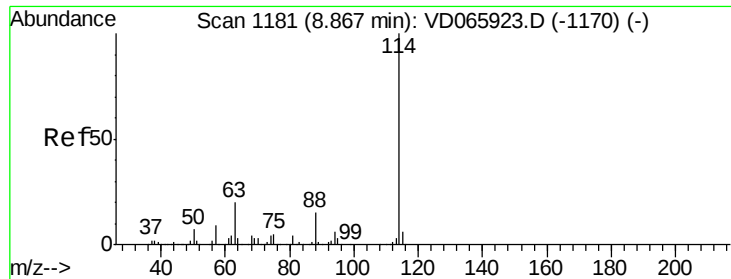
67 51.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

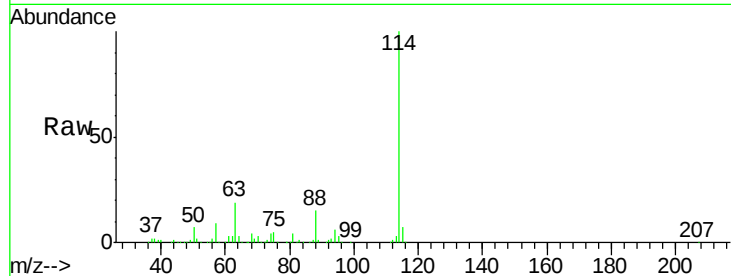




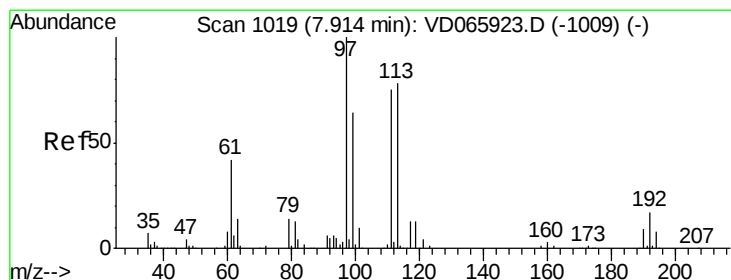
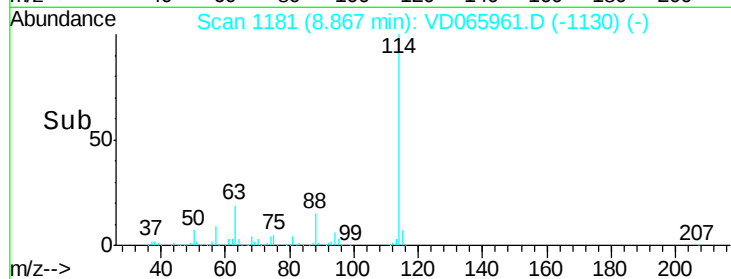
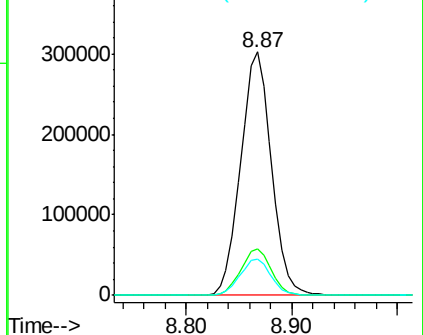
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	14.9	0.0	30.0

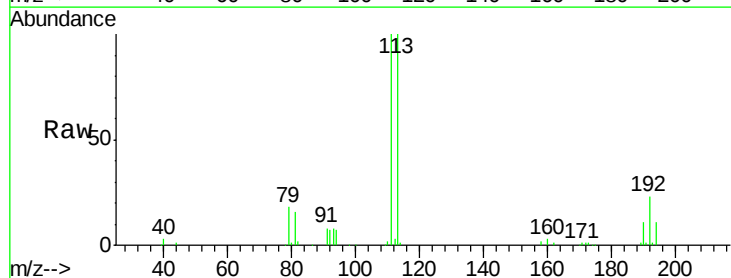


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

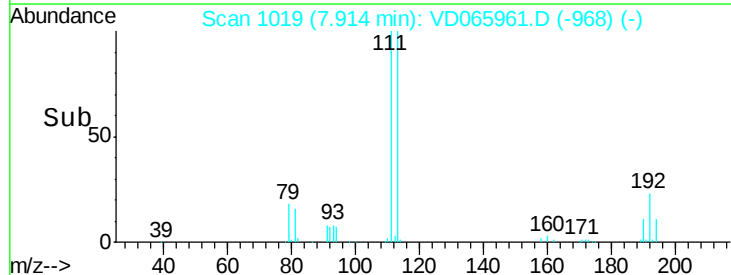
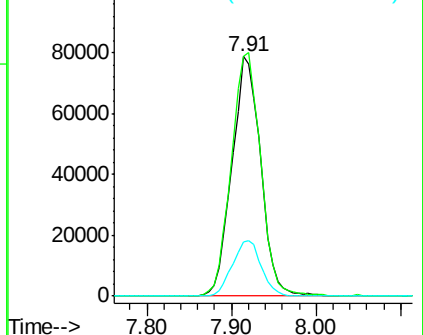


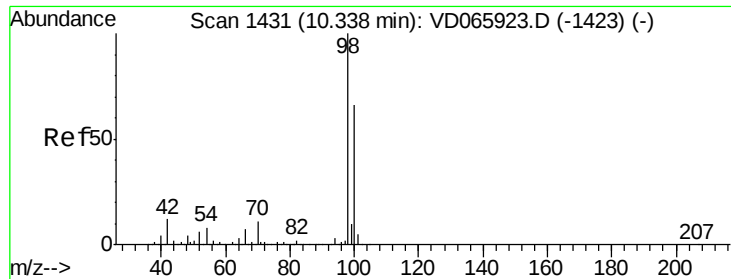
#35
 Dibromofluoromethane
 Concen: 48.900 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.9	121.3
192	23.3	17.1	25.7



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





#50

Toluene-d8

Concen: 53.236 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

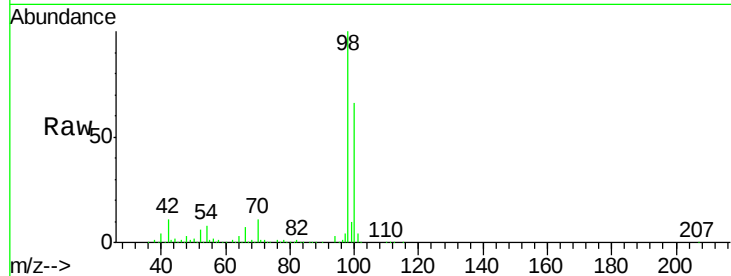
EO-01-071520

Tot Ion: 98 Resp: 732798

Ion Ratio Lower Upper

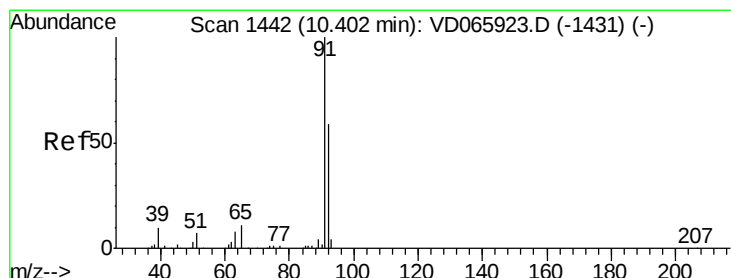
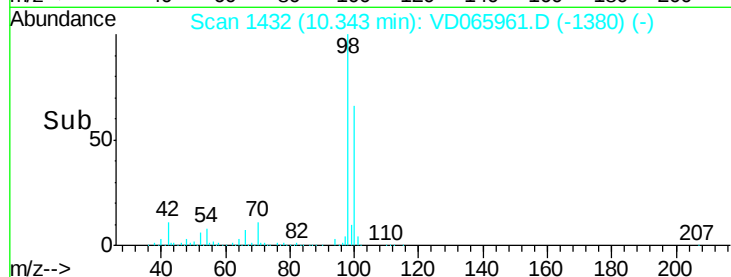
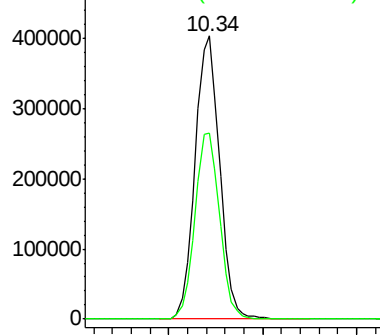
98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 2.735 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065961.D

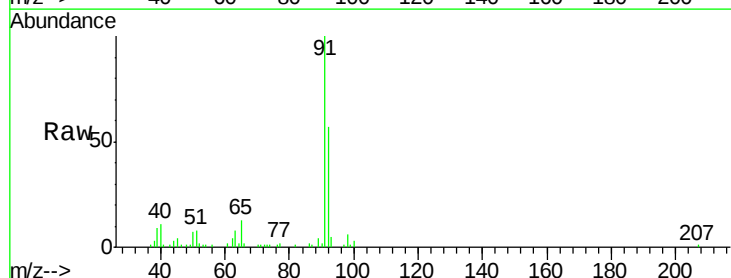
Acq: 16 Jul 2020 17:07

Tgt Ion: 92 Resp: 29034

Ion Ratio Lower Upper

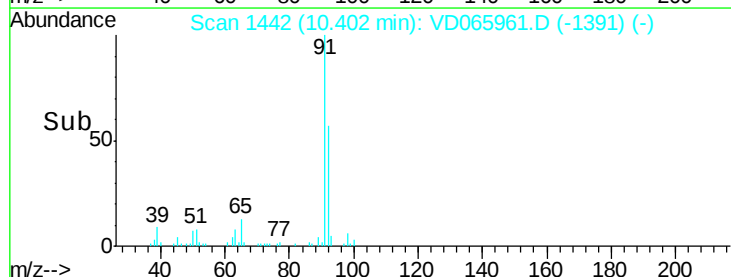
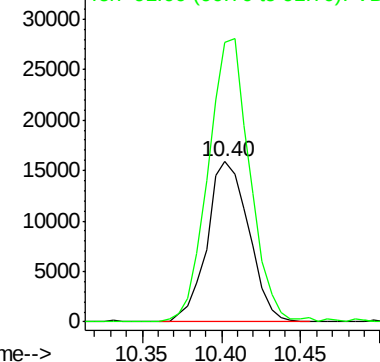
92 100

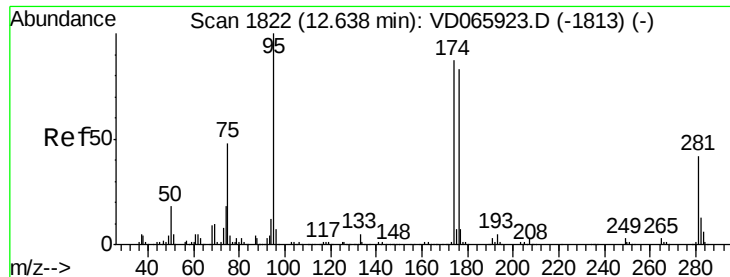
91 176.8 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

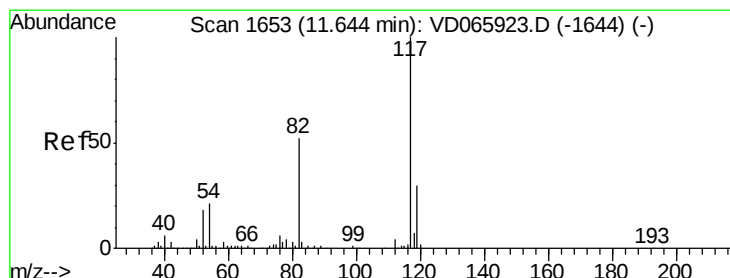
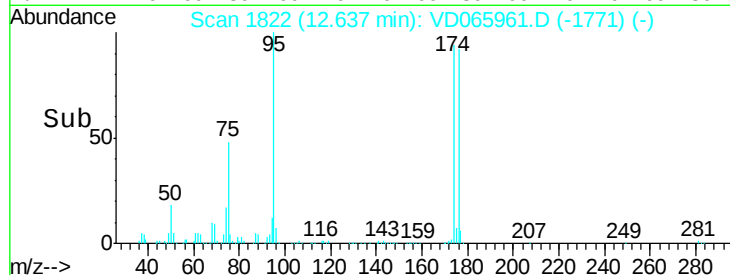
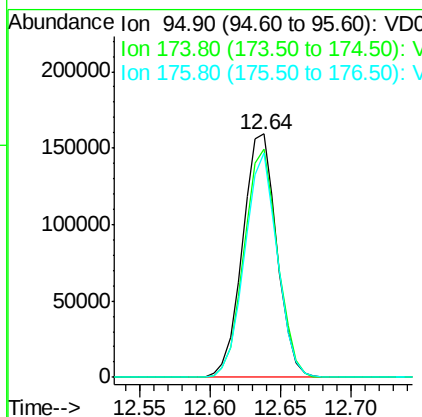
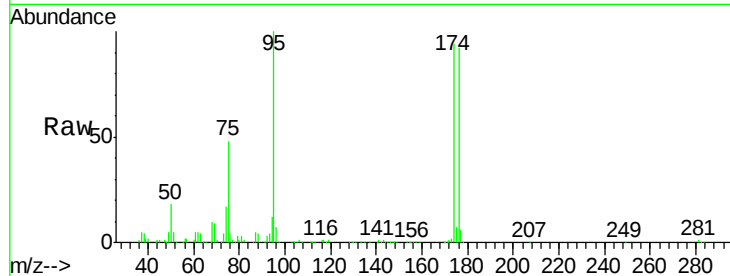




#62
4-Bromofluorobenzene
Concen: 57.142 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

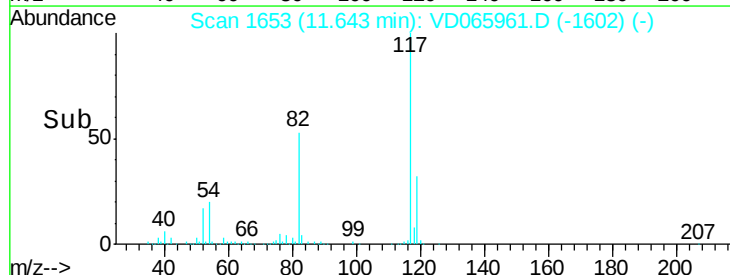
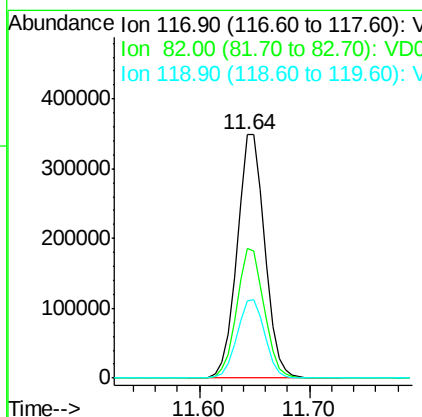
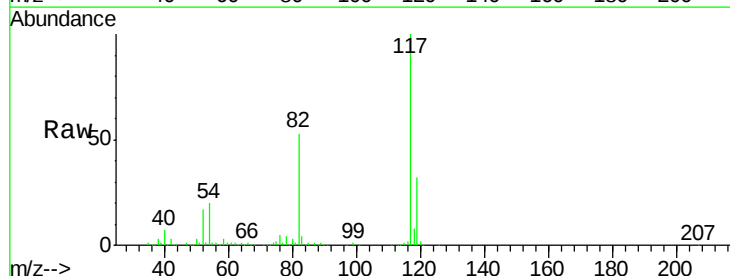
Instrument :
MSVOA_D
ClientSampleId :
EO-01-071520

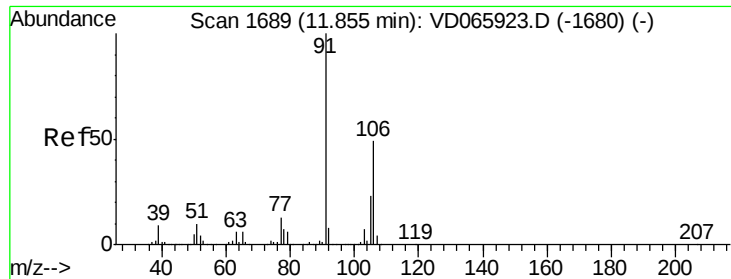
Tot Ion: 95 Resp: 270110
Ion Ratio Lower Upper
95 100
174 92.1 0.0 169.4
176 88.0 0.0 164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Tgt Ion: 117 Resp: 614475
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 31.9 24.3 36.5

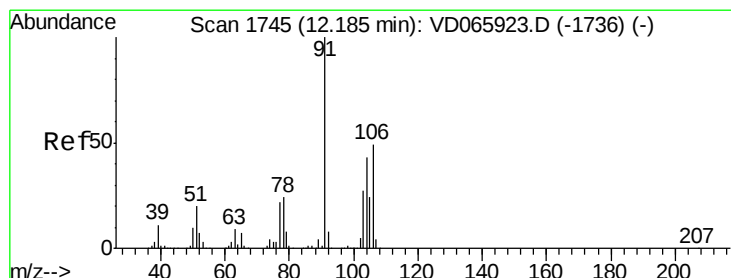
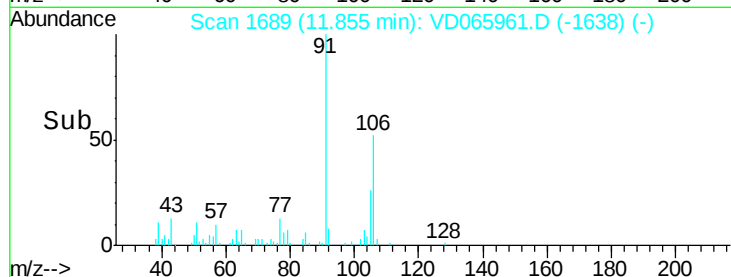
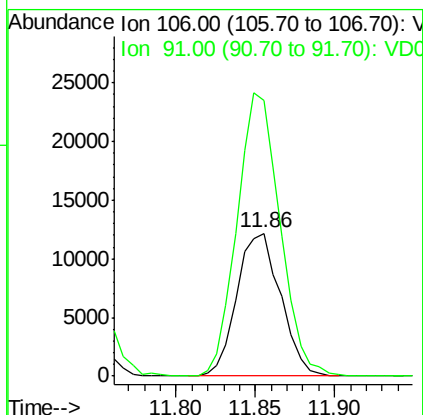
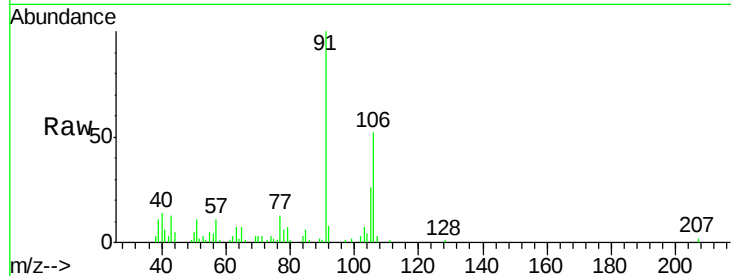




#68
m/p-Xylenes
Concen: 2.789 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

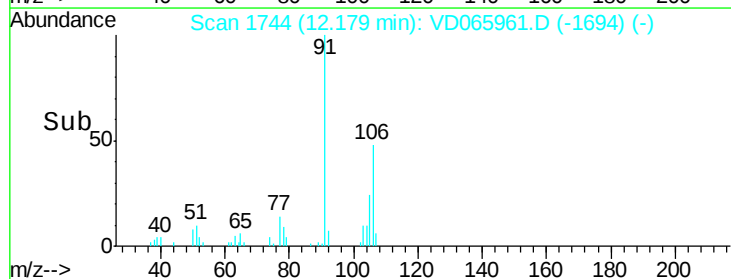
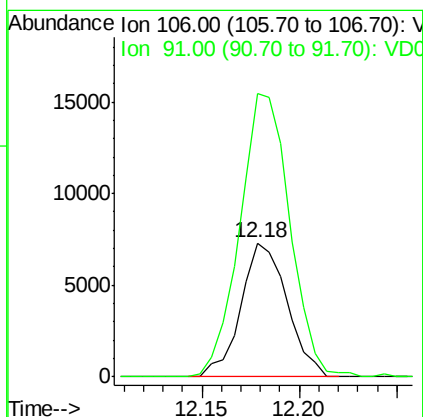
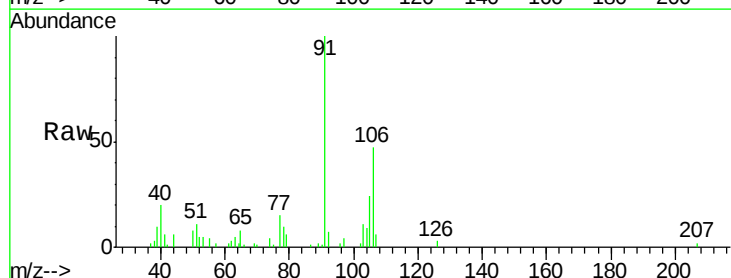
Instrument :
MSVOA_D
ClientSampleId :
EO-01-071520

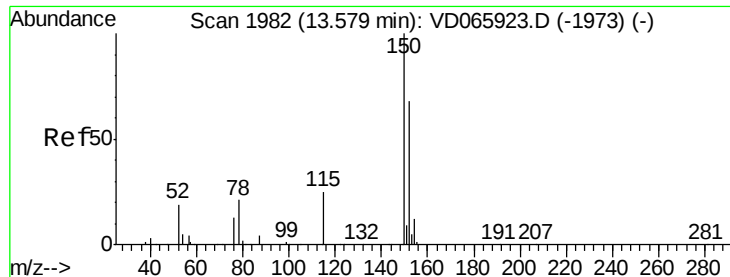
Tot Ion:106 Resp: 23314
Ion Ratio Lower Upper
106 100
91 194.4 158.2 237.2



#69
o-Xylene
Concen: 1.574 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Tgt Ion:106 Resp: 11980
Ion Ratio Lower Upper
106 100
91 229.1 104.1 312.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

EO-01-071520

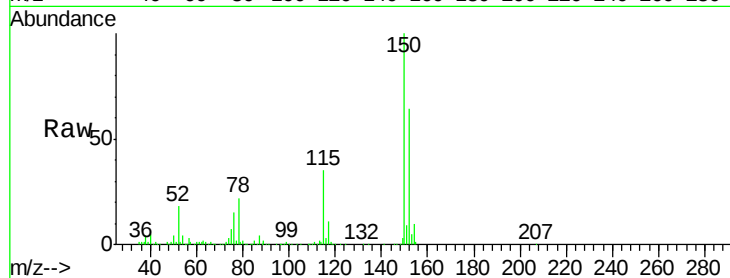
Tot Ion:152 Resp: 308016

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.3

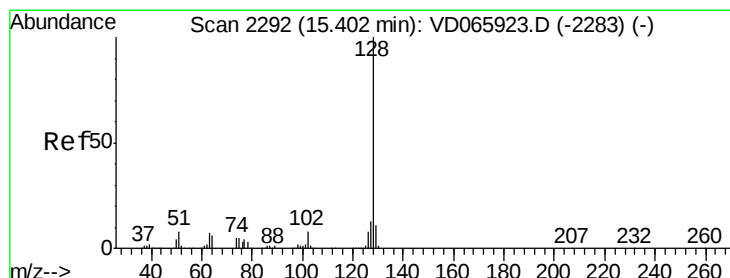
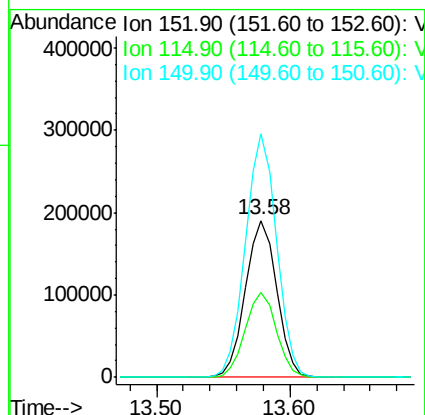
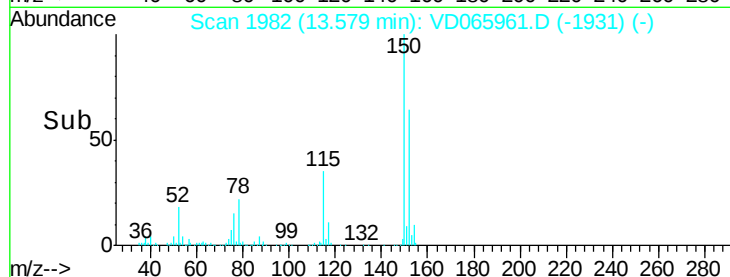
150 154.1 0.0 347.2



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



#95

Naphthalene

Concen: 2.458 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

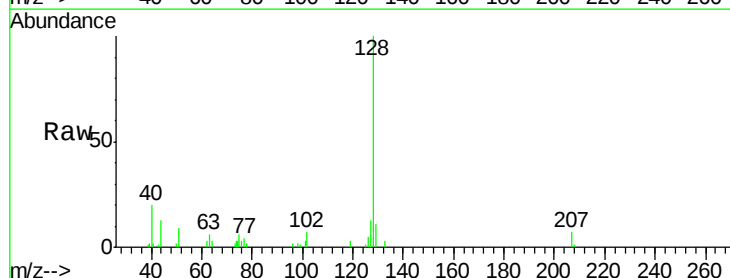
Tgt Ion:128 Resp: 25053

Ion Ratio Lower Upper

128 100

127 12.0 10.8 16.2

129 12.9 8.9 13.3



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

