

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060043.D
 Acq On : 22 Aug 2018 16:41
 Operator : VA/AP
 Sample : J4275-15
 Misc : 6.75g/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-082018-D

Quant Time: Aug 23 08:42:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	238841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	372737	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	360889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	174601	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	156940	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
35) Dibromofluoromethane	4.32	113	147058	50.24	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	7.73	98	362702	43.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.26%	
62) 4-Bromofluorobenzene	11.52	95	175479	39.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.82%	

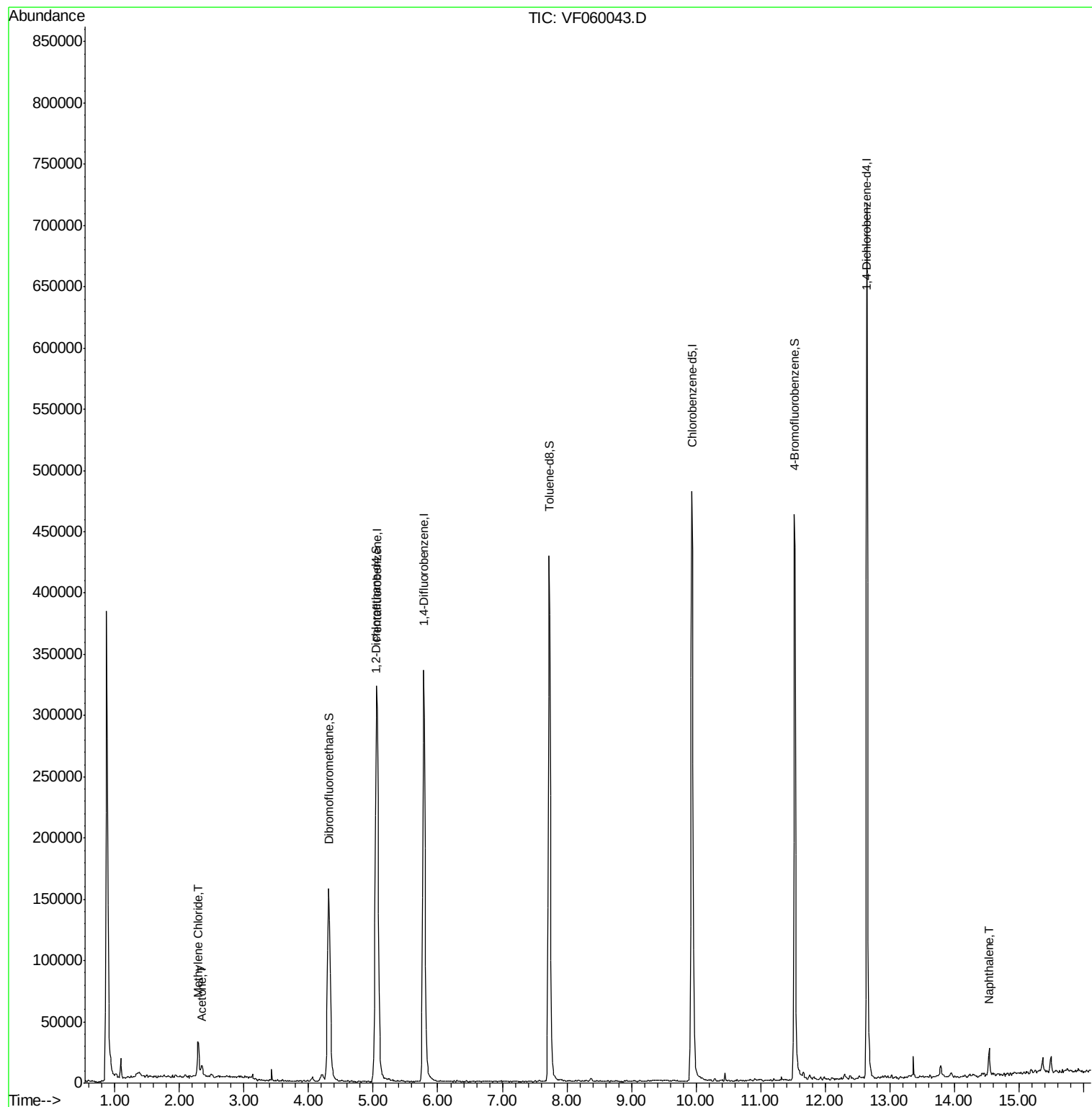
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.35	43	14386	16.75	ug/l	93
20) Methylene Chloride	2.28	84	12410	2.46	ug/l	89
95) Naphthalene	14.54	128	14033	4.35	ug/l	99

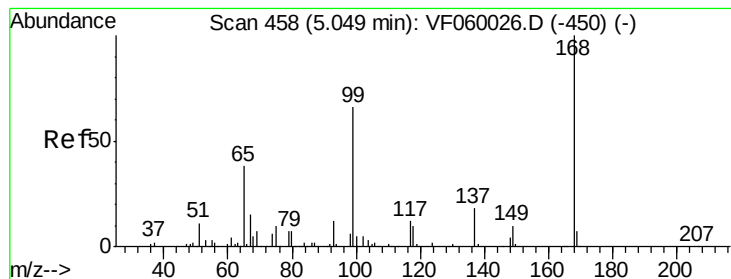
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

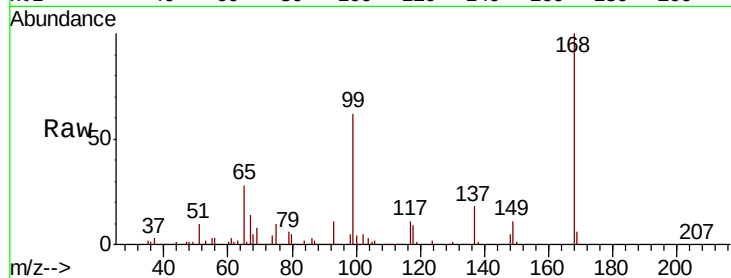
CL-01-082018-D

Tot Ion:168 Resp: 238841

Ion Ratio Lower Upper

168 100

99 62.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

80000

60000

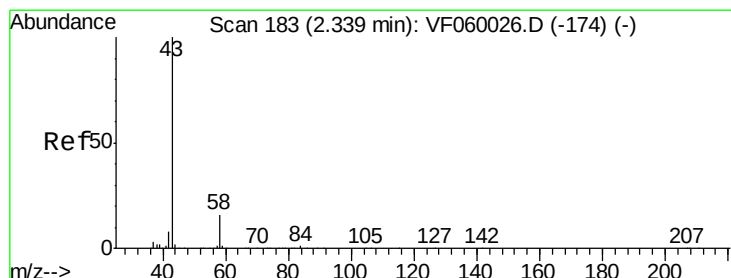
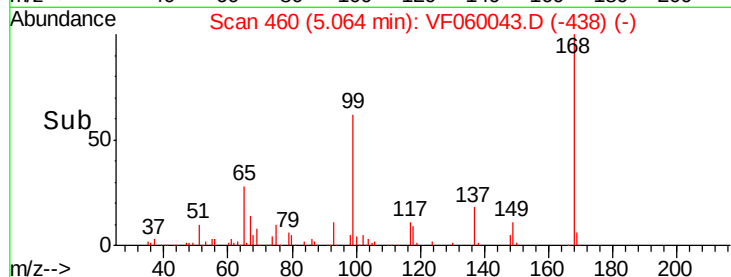
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 16.75 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF060043.D

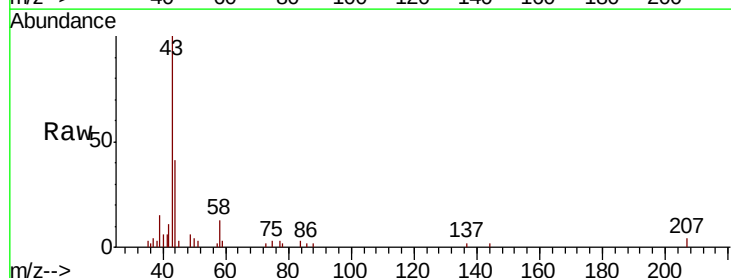
Acq: 22 Aug 2018 16:41

Tgt Ion: 43 Resp: 14386

Ion Ratio Lower Upper

43 100

58 12.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.35

6000

5000

4000

3000

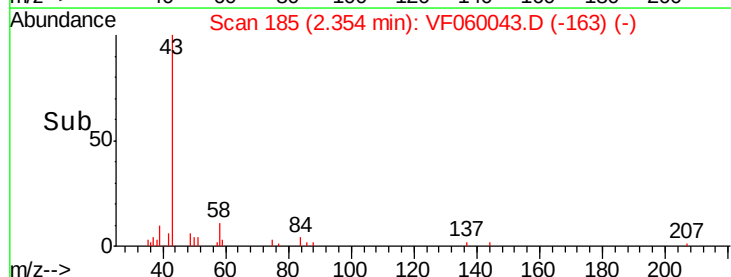
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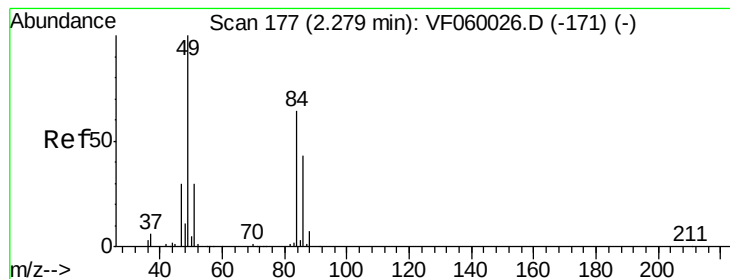
1000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#20

Methylene Chloride

Concen: 2.46 ug/l

RT: 2.28 min Scan# 178

Delta R.T. 0.01 min

Lab File: VF060043.D

Acq: 22 Aug 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CL-01-082018-D

Tot Ion: 84 Resp: 12410

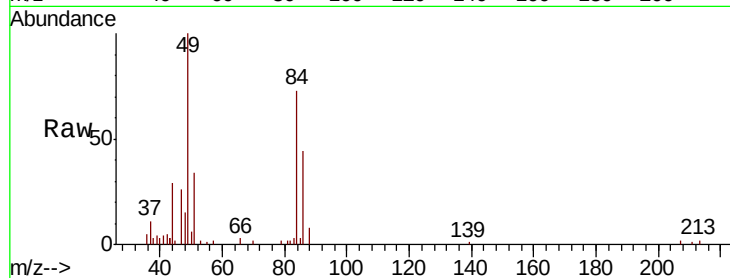
Ion Ratio Lower Upper

84 100

49 136.2 125.4 188.0

51 46.9 38.3 57.5

86 59.9 53.3 79.9

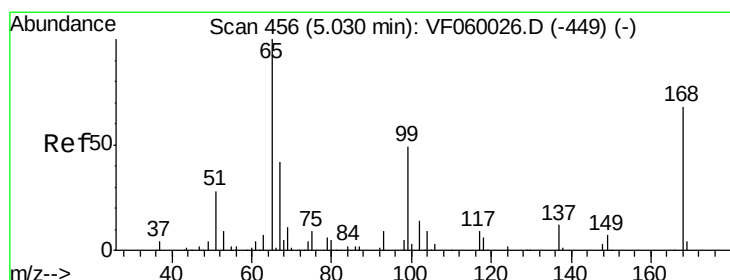
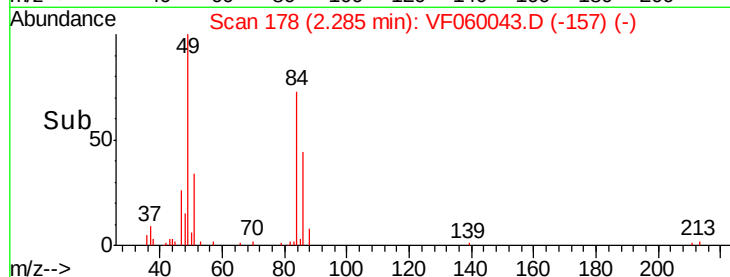
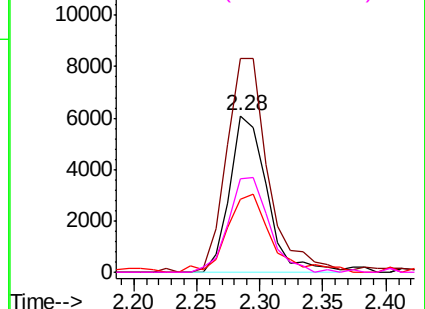


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 48.01 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060043.D

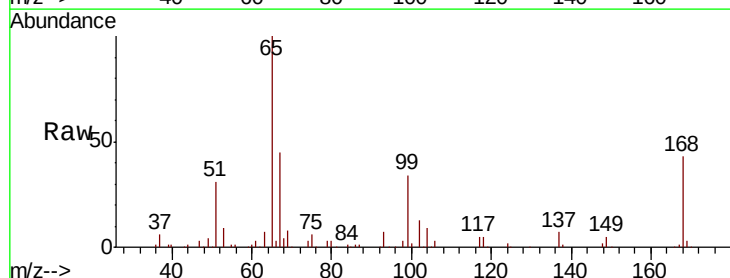
Acq: 22 Aug 2018 16:41

Tgt Ion: 65 Resp: 156940

Ion Ratio Lower Upper

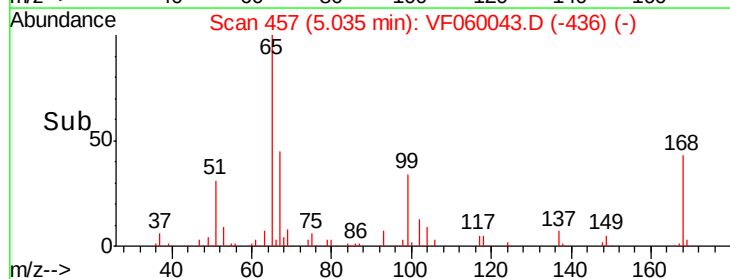
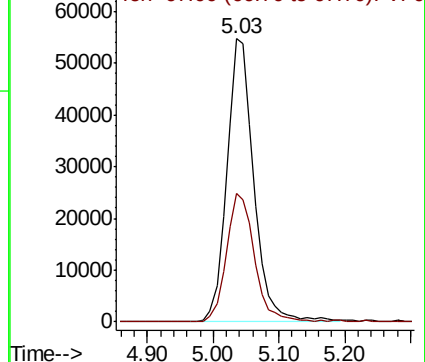
65 100

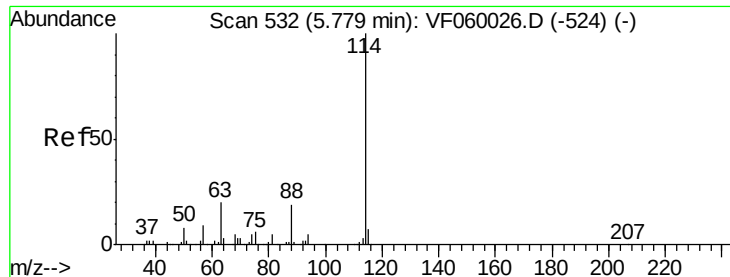
67 45.4 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

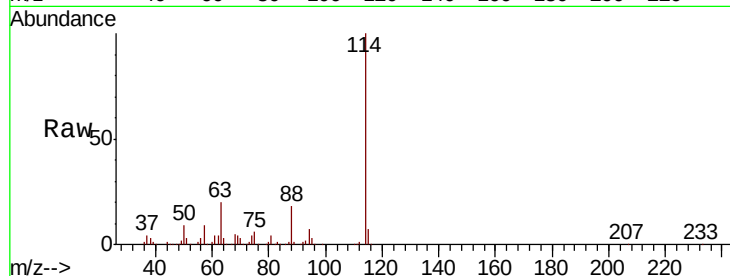




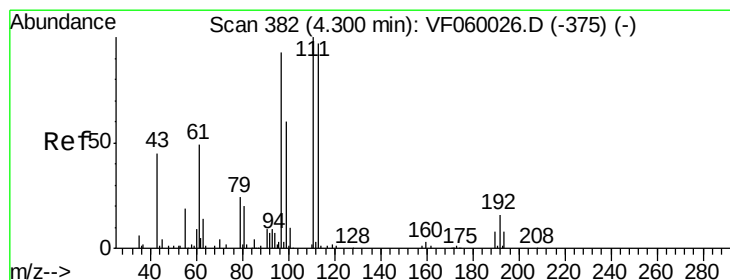
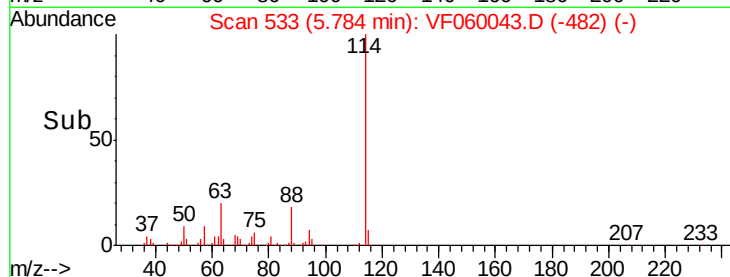
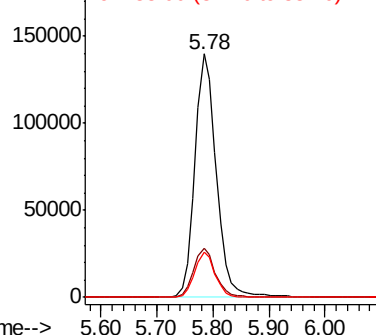
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion:114	Resp:	372737
Ion Ratio	Lower	Upper
114 100		
63 20.3	0.0	40.4
88 18.4	0.0	38.6

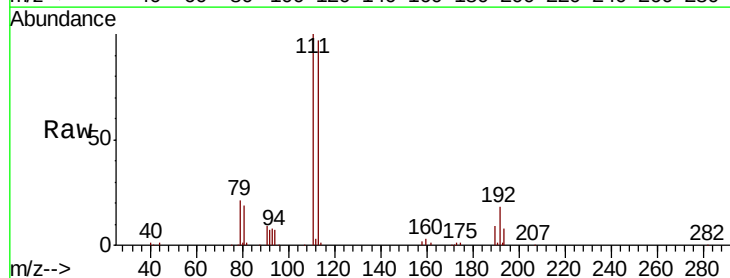


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

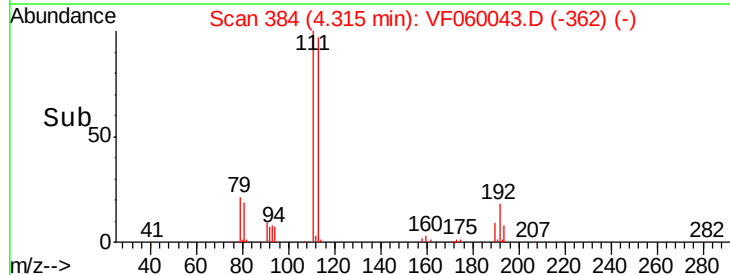
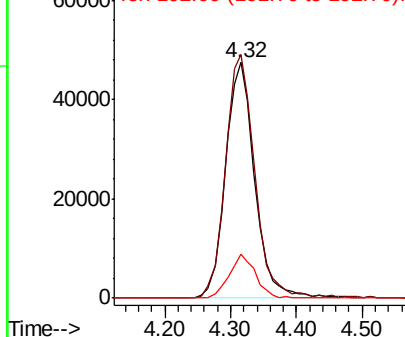


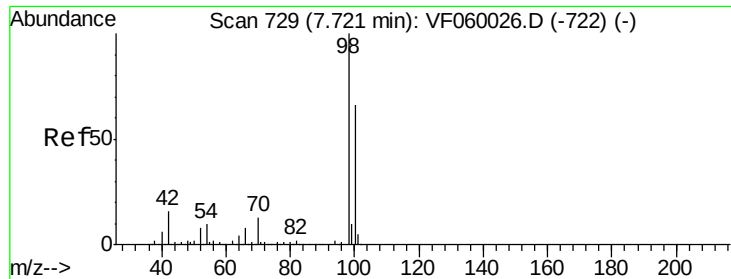
#35
 Dibromofluoromethane
 Concen: 50.24 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

Tgt Ion:113	Resp:	147058
Ion Ratio	Lower	Upper
113 100		
111 103.3	82.7	124.1
192 18.8	13.0	19.4



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

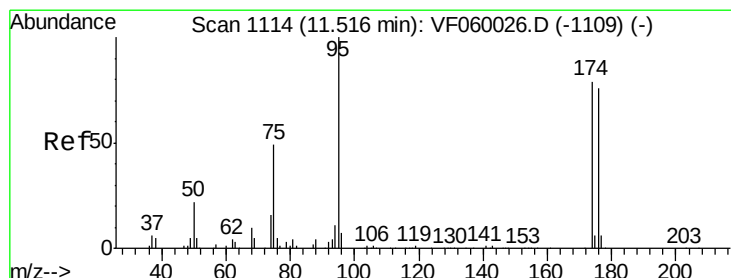
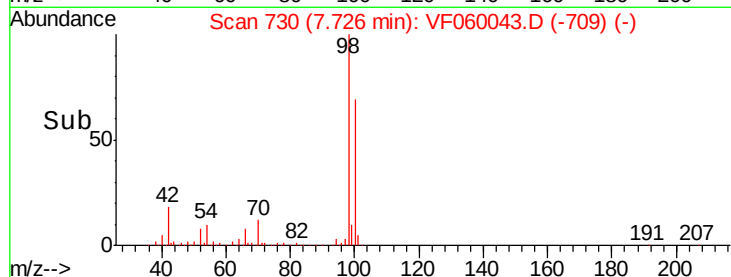
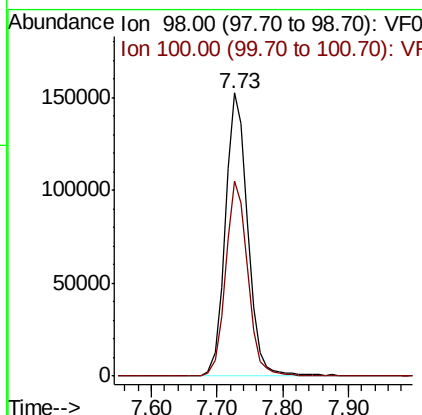
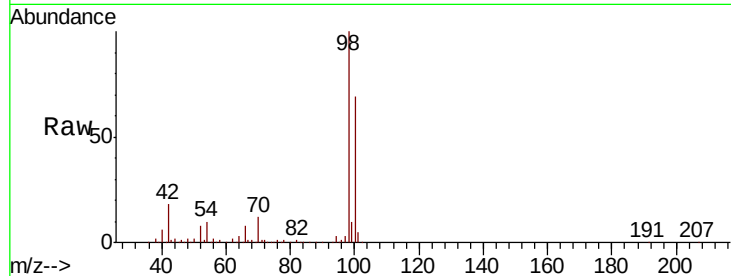




#50
Toluene-d8
Concen: 43.63 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

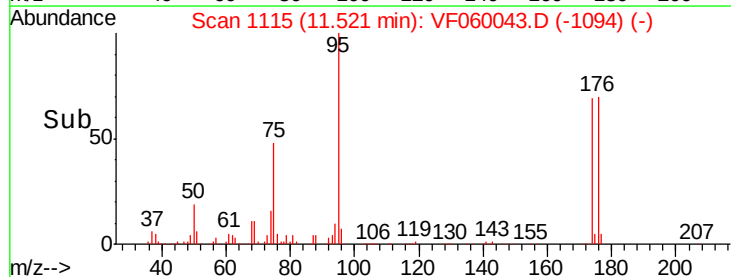
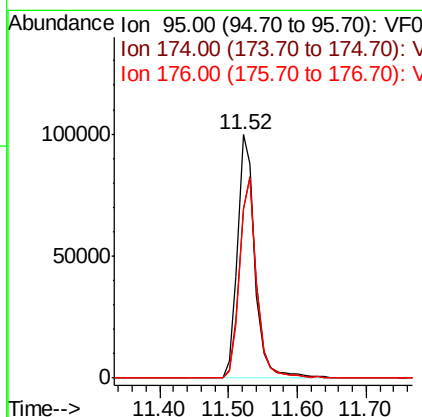
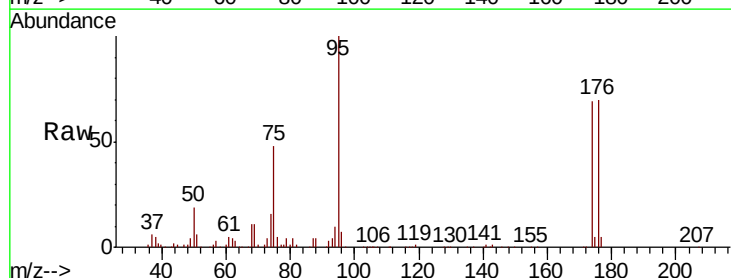
Instrument :
MSVOA_F
ClientSampleId :
CL-01-082018-D

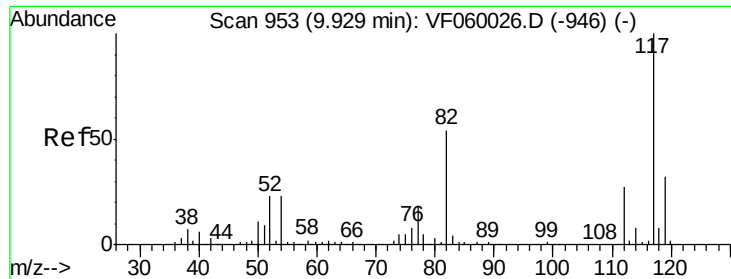
Tot Ion: 98 Resp: 362702
Ion Ratio Lower Upper
98 100
100 68.8 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 39.91 ug/l
RT: 11.52 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

Tgt Ion: 95 Resp: 175479
Ion Ratio Lower Upper
95 100
174 69.5 0.0 158.4
176 69.5 0.0 153.0

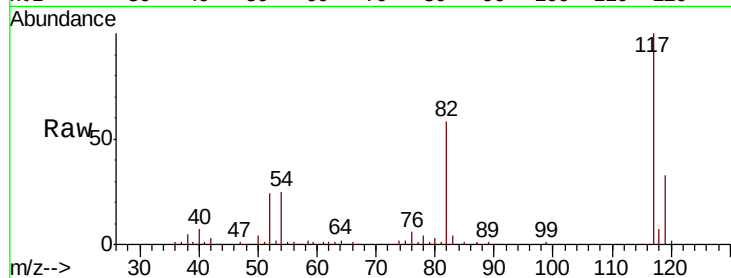




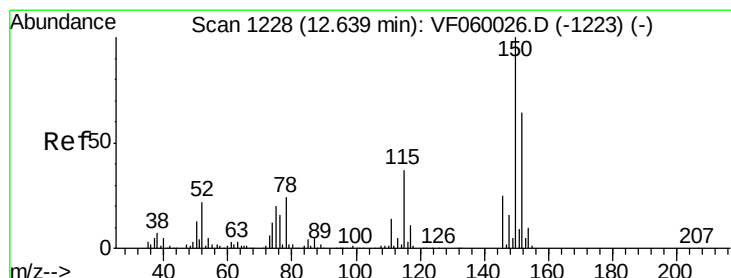
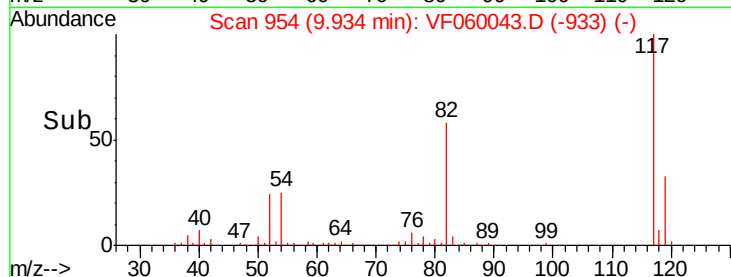
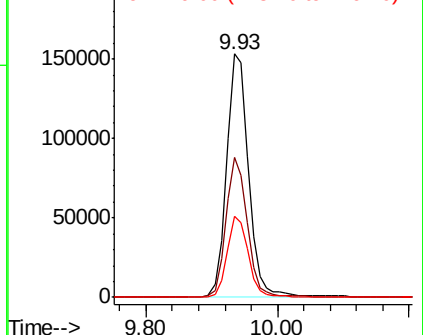
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

Instrument :
MSVOA_F
ClientSampleId :
CL-01-082018-D

Tot Ion:117 Resp: 360889
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 33.2 25.6 38.4

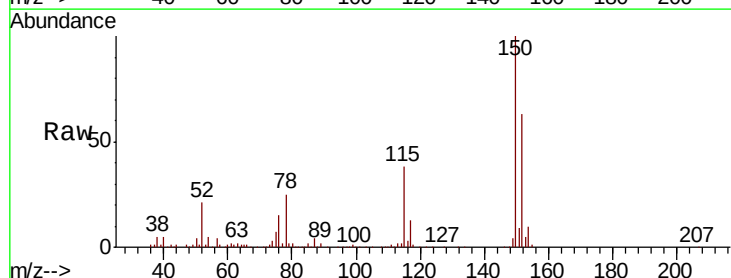


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

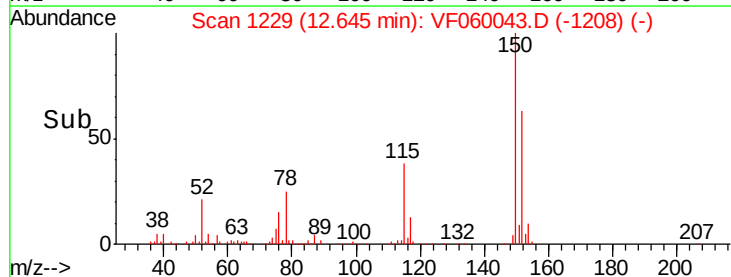
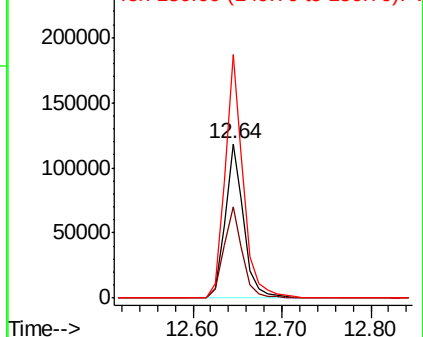


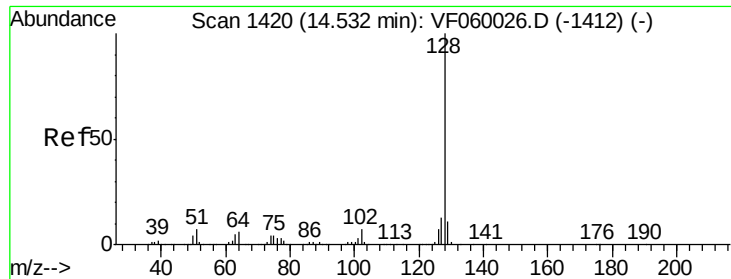
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VF060043.D
Acq: 22 Aug 2018 16:41

Tgt Ion:152 Resp: 174601
Ion Ratio Lower Upper
152 100
115 59.2 28.6 85.9
150 157.5 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

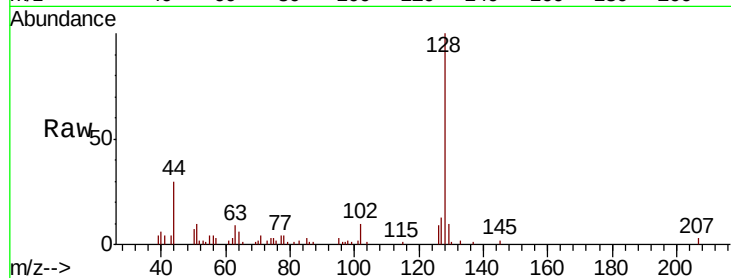




#95
 Naphthalene
 Concen: 4.35 ug/l
 RT: 14.54 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: VF060043.D
 Acq: 22 Aug 2018 16:41

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.2	8.5	12.7



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

