

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060045.D
 Acq On : 23 Aug 2018 8:13
 Operator : VA/AP
 Sample : J4573-03
 Misc : 4.81g/5mL/MSVOA F/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 T25-COMP

Quant Time: Aug 23 09:09:21 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	5.05	168	206788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	333029	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	315313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	115751	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	177935	62.87	ug/l	0.00
Spiked Amount			Recovery	=	125.74%	
35) Dibromofluoromethane	4.30	113	155686	59.53	ug/l	0.00
Spiked Amount			Recovery	=	119.06%	
50) Toluene-d8	7.71	98	385574	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.52	95	469994	119.63	ug/l	0.00
Spiked Amount			Recovery	=	239.26%	

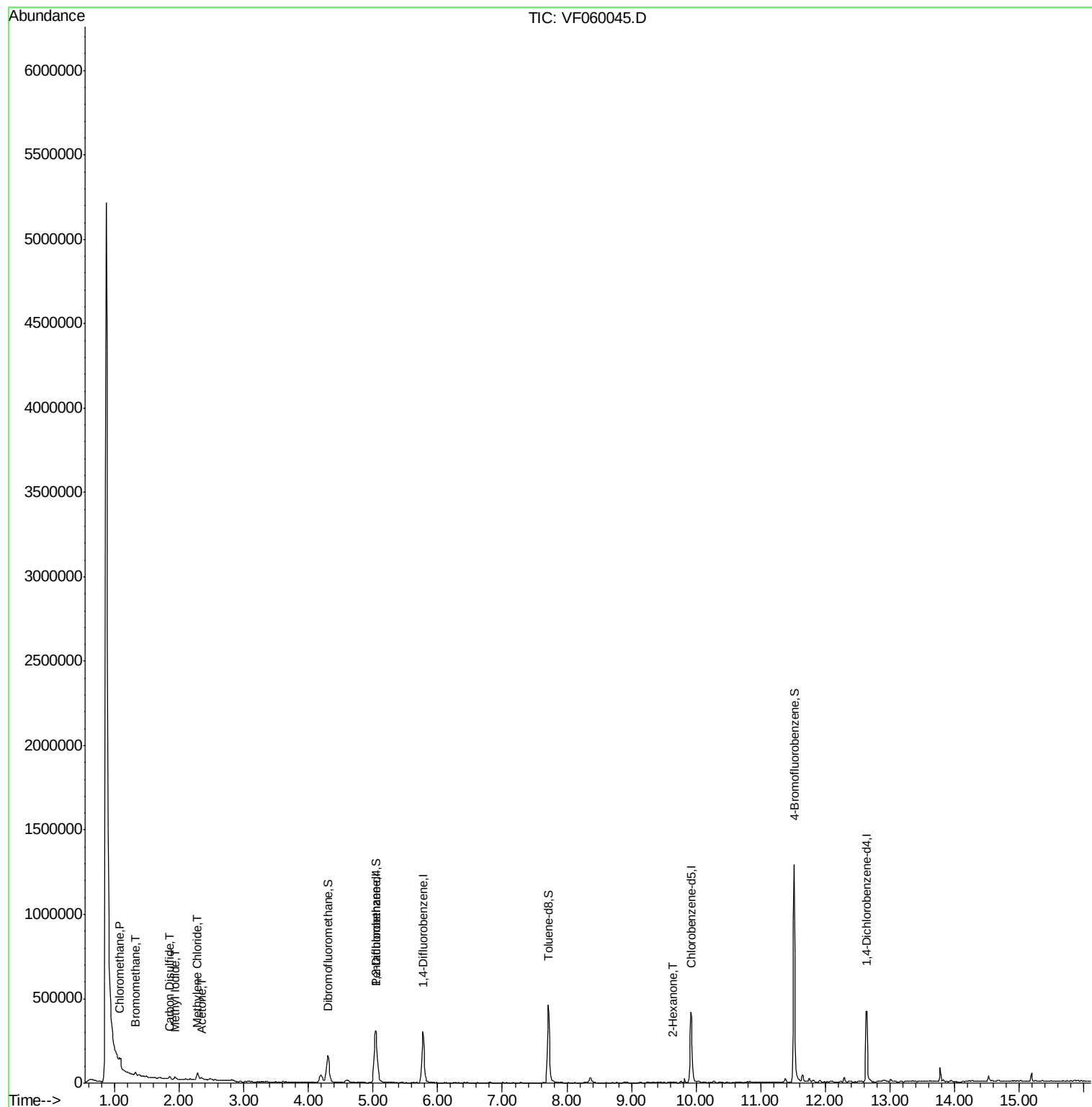
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	23002	10.06	ug/l	97
5) Bromomethane	1.32	94	10122	7.88	ug/l	96
10) Methyl Iodide	1.93	142	12200	5.17	ug/l #	87
16) Acetone	2.34	43	17246	23.19	ug/l	96
17) Carbon Disulfide	1.85	76	19145	4.65	ug/l	98
20) Methylene Chloride	2.29	84	18678	8.50	ug/l	94
59) 2-Hexanone	9.64	43	4317	2.62	ug/l	90

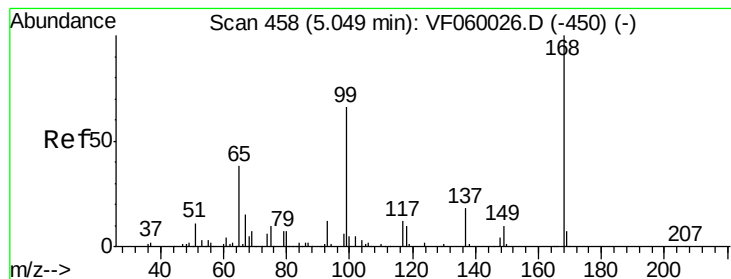
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060045.D

Acq: 23 Aug 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

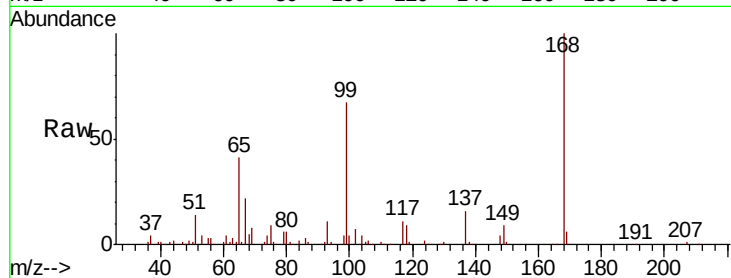
T25-COMP

Tot Ion:168 Resp: 206788

Ion Ratio Lower Upper

168 100

99 66.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

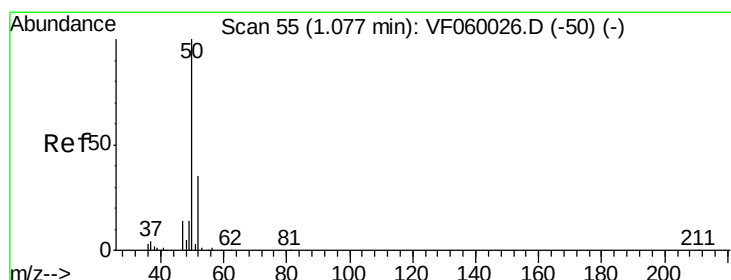
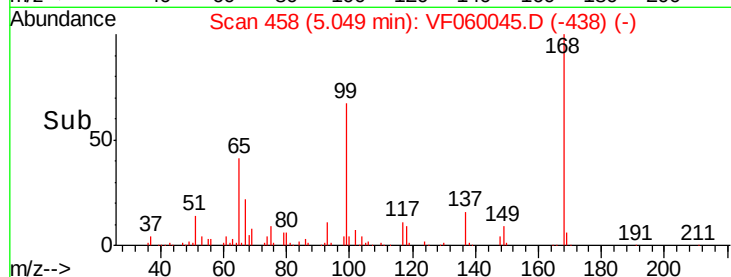
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: 10.06 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060045.D

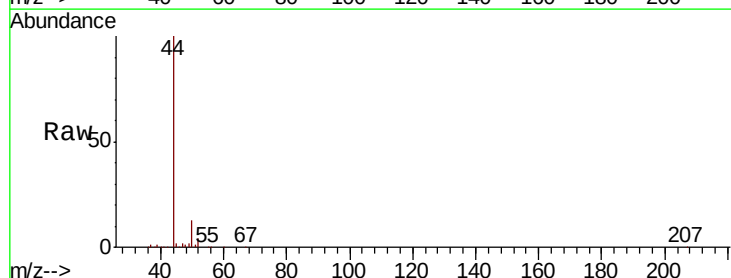
Acq: 23 Aug 2018 8:13

Tgt Ion: 50 Resp: 23002

Ion Ratio Lower Upper

50 100

52 32.8 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

15000

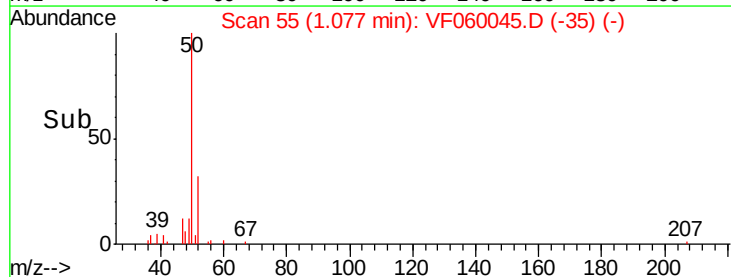
10000

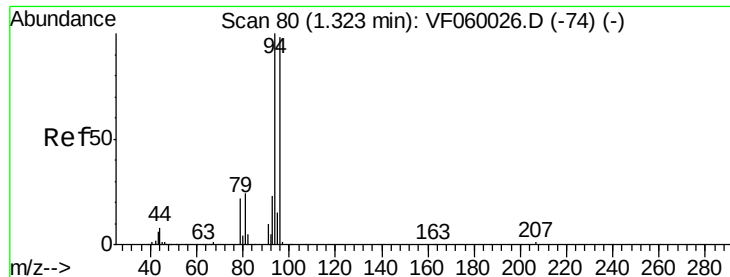
5000

0

1.00 1.10 1.20

Time-->





#5

Bromomethane

Concen: 7.88 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060045.D

Acq: 23 Aug 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

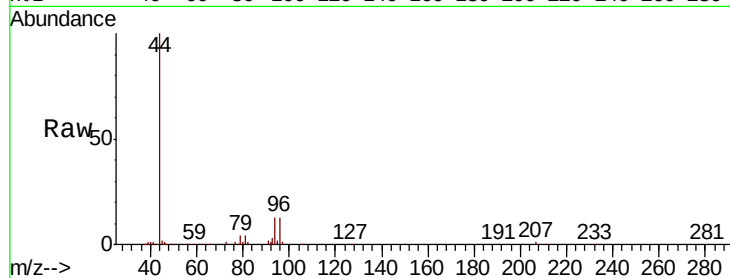
T25-COMP

Tot Ion: 94 Resp: 10122

Ion Ratio Lower Upper

94 100

96 94.2 78.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

6000

5000

4000

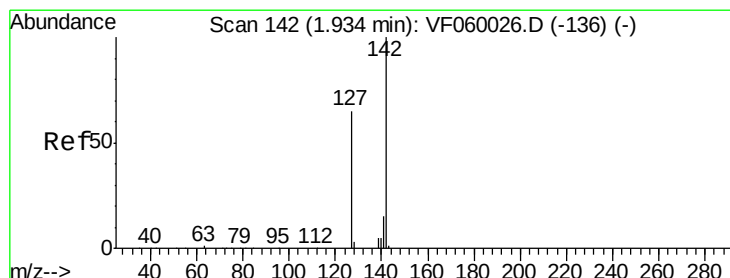
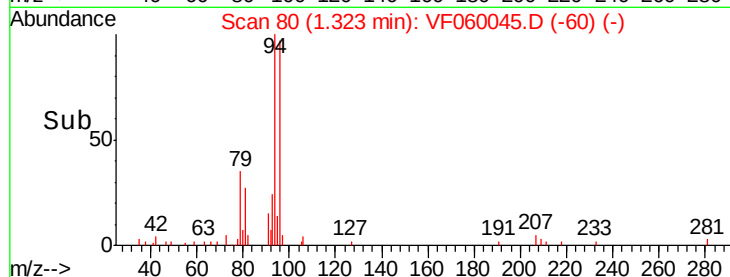
3000

2000

1000

0

Time-->



#10

Methyl Iodide

Concen: 5.17 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF060045.D

Acq: 23 Aug 2018 8:13

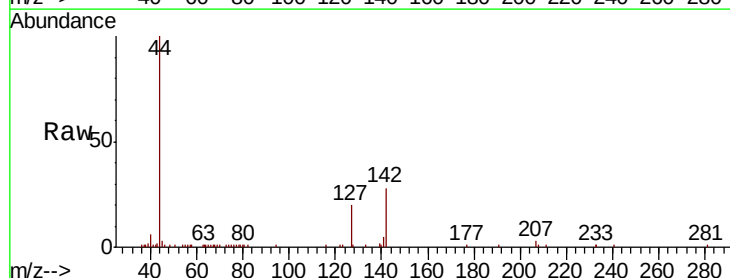
Tgt Ion: 142 Resp: 12200

Ion Ratio Lower Upper

142 100

127 76.2 51.8 77.6

141 18.2 11.9 17.9#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

1.93

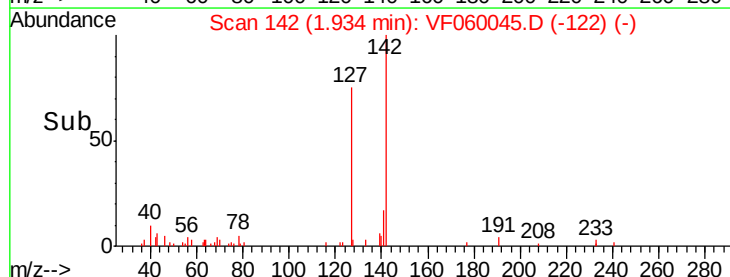
6000

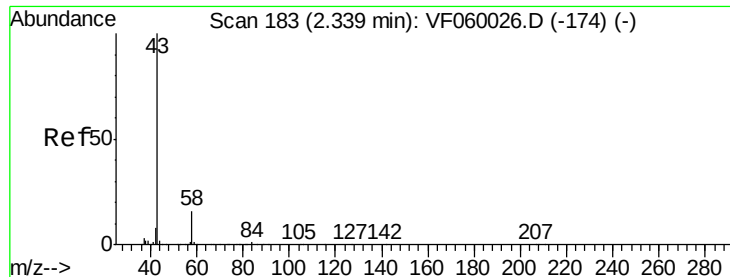
4000

2000

0

Time-->





#16

Acetone

Concen: 23.19 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF060045.D

Acq: 23 Aug 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

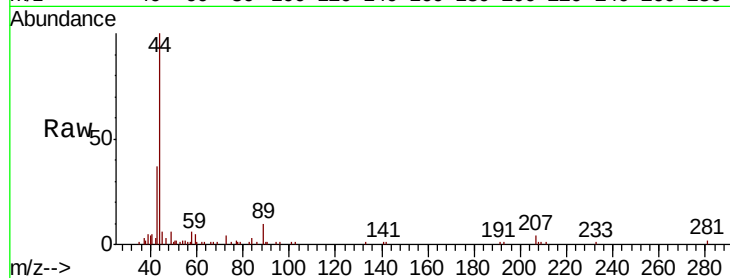
T25-COMP

Tot Ion: 43 Resp: 17246

Ion Ratio Lower Upper

43 100

58 17.3 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

5000

4000

3000

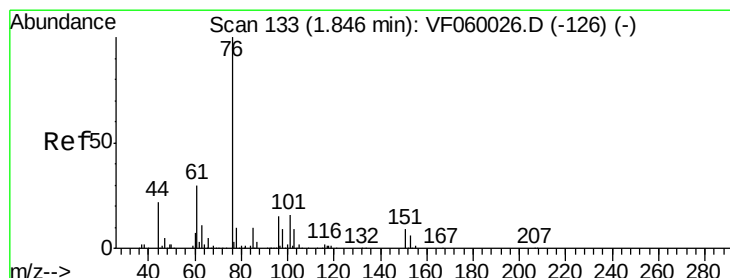
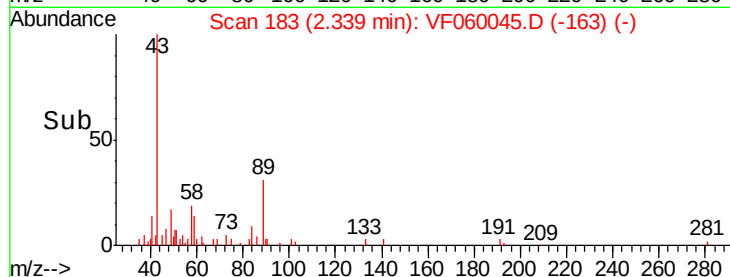
2000

1000

0

Time-->

2.30 2.40



#17

Carbon Disulfide

Concen: 4.65 ug/l

RT: 1.85 min Scan# 133

Delta R.T. 0.00 min

Lab File: VF060045.D

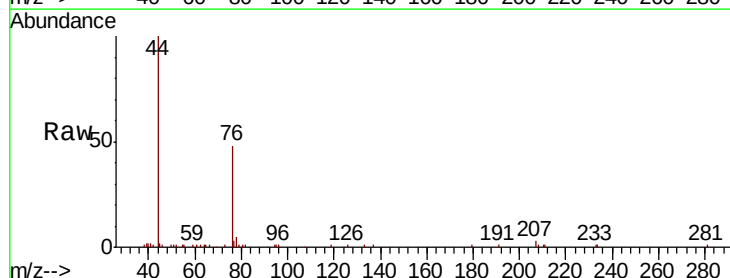
Acq: 23 Aug 2018 8:13

Tgt Ion: 76 Resp: 19145

Ion Ratio Lower Upper

76 100

78 9.7 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

12000

10000

8000

6000

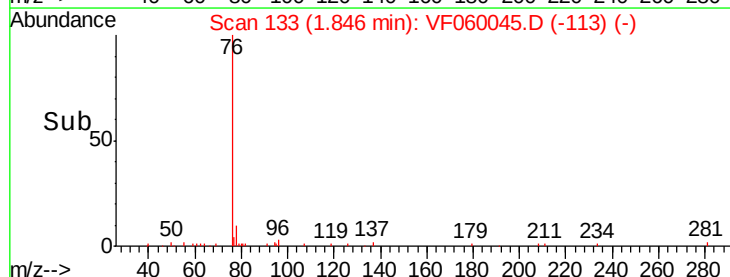
4000

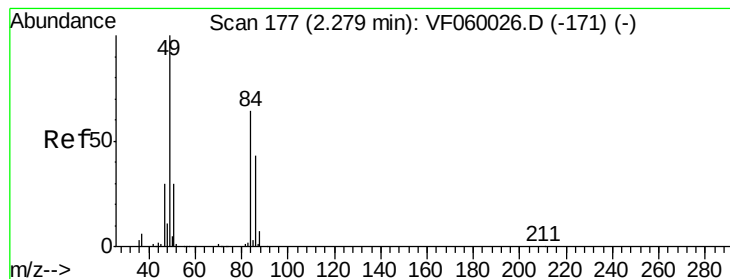
2000

0

Time-->

1.80 1.90





#20

Methylene Chloride

Concen: 8.50 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.01 min

Lab File: VF060045.D

Acq: 23 Aug 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

T25-COMP

Tot Ion: 84 Resp: 18678

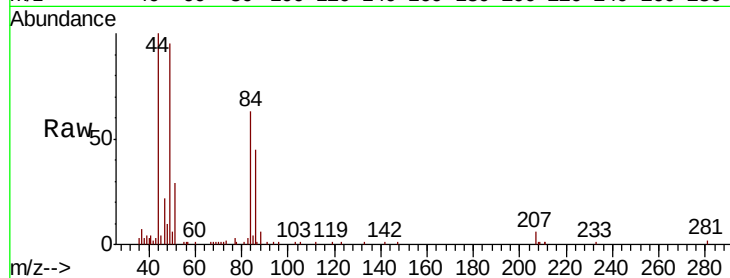
Ion Ratio Lower Upper

84 100

49 149.6 125.4 188.0

51 46.4 38.3 57.5

86 73.3 53.3 79.9

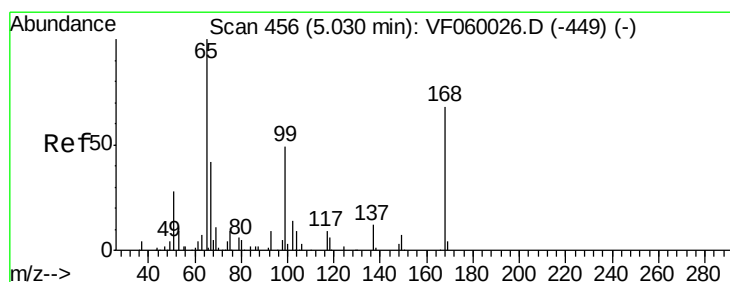
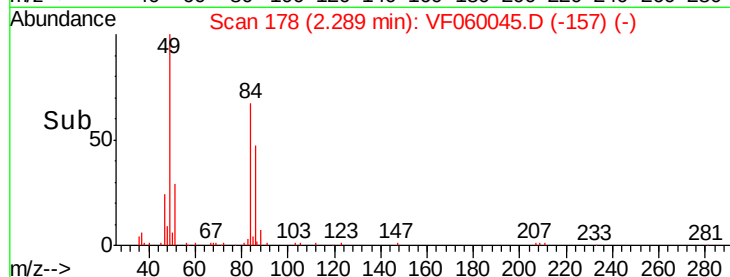
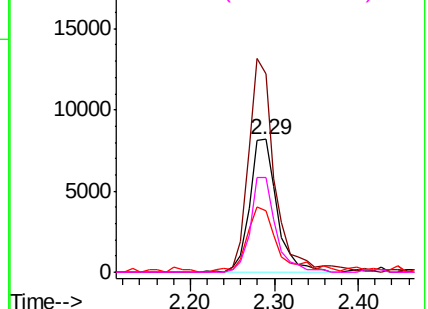


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 62.87 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060045.D

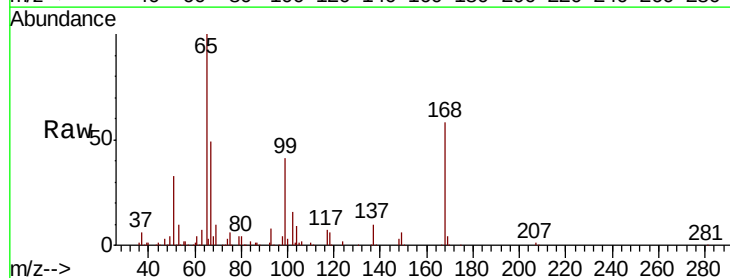
Acq: 23 Aug 2018 8:13

Tgt Ion: 65 Resp: 177935

Ion Ratio Lower Upper

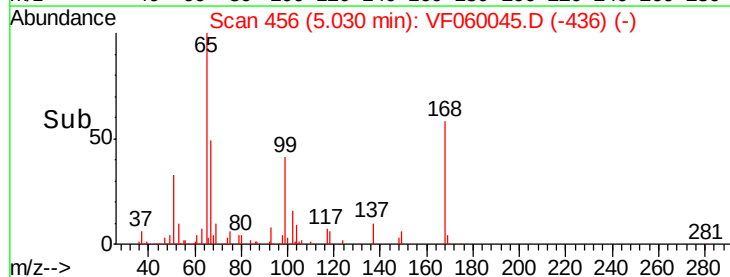
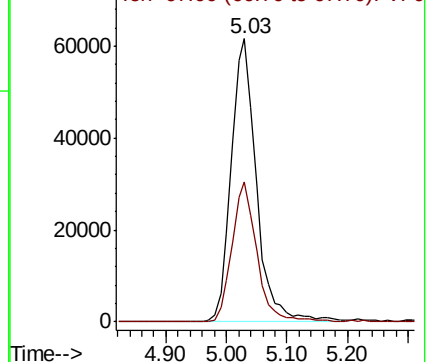
65 100

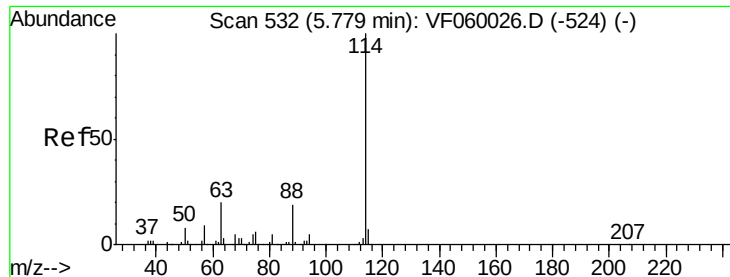
67 49.3 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

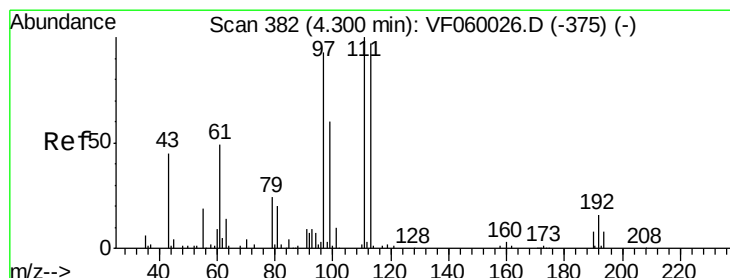
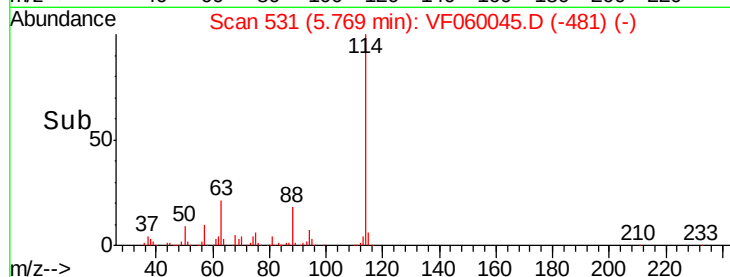
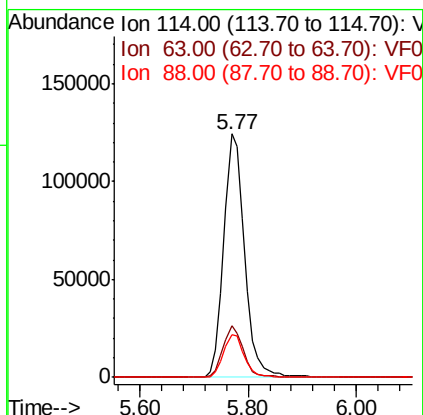
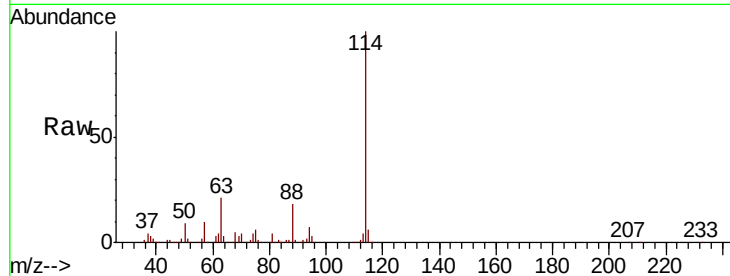




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.01 min
Lab File: VF060045.D
Acq: 23 Aug 2018 8:13

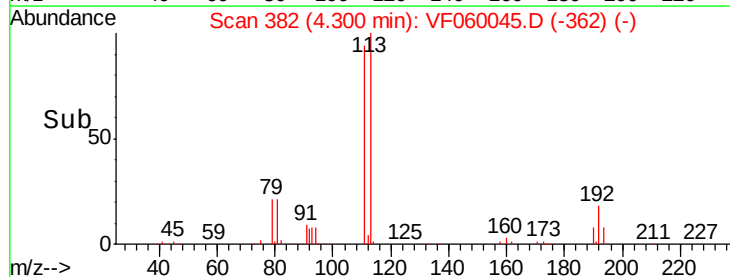
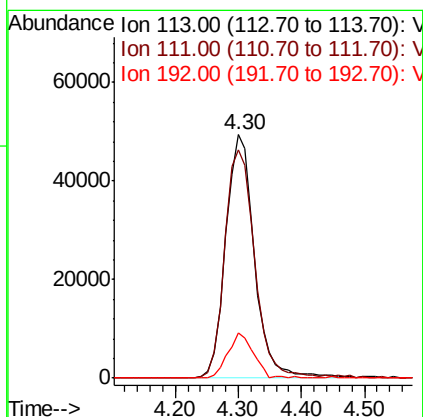
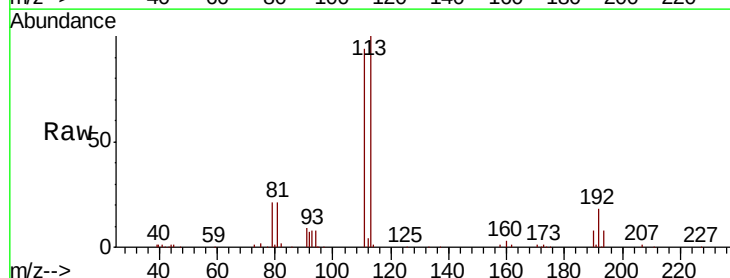
Instrument :
MSVOA_F
ClientSampleId :
T25-COMP

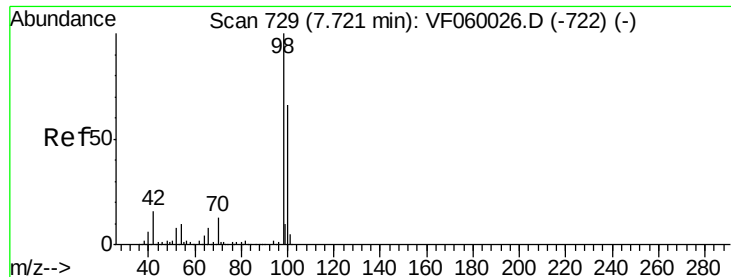
Tot Ion:114 Resp: 333029
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.4
88 17.6 0.0 38.6



#35
Dibromofluoromethane
Concen: 59.53 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF060045.D
Acq: 23 Aug 2018 8:13

Tgt Ion:113 Resp: 155686
Ion Ratio Lower Upper
113 100
111 94.0 82.7 124.1
192 18.4 13.0 19.4

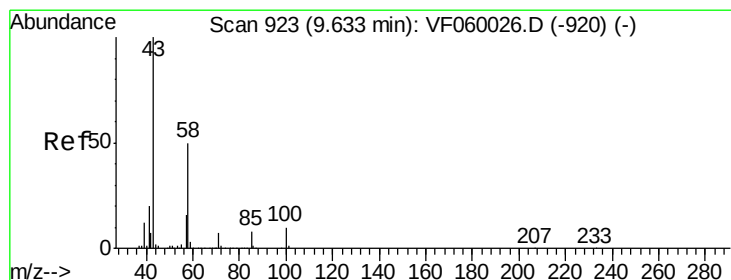
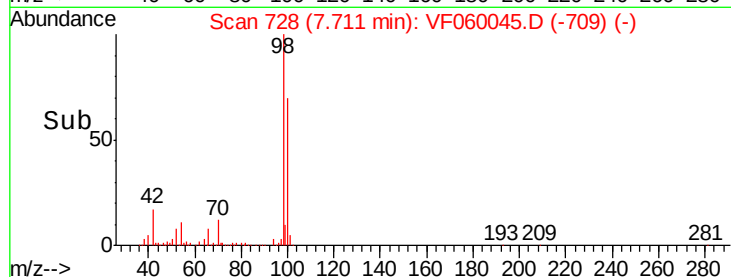
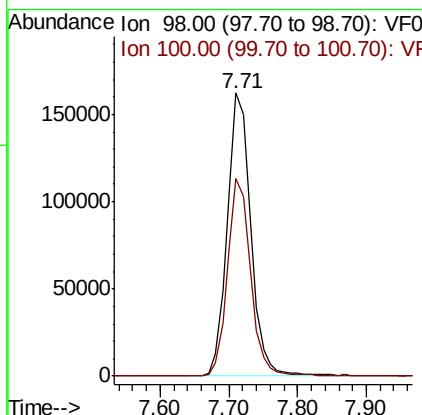
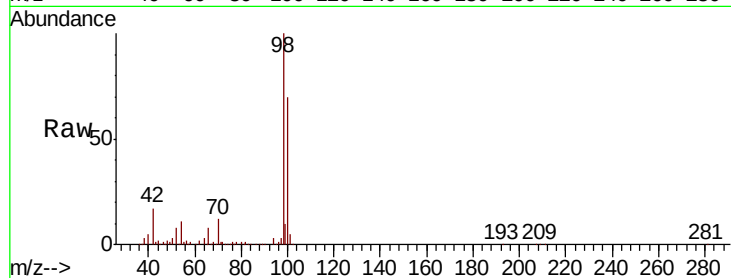




#50
Toluene-d8
Concen: 51.92 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060045.D
Acq: 23 Aug 2018 8:13

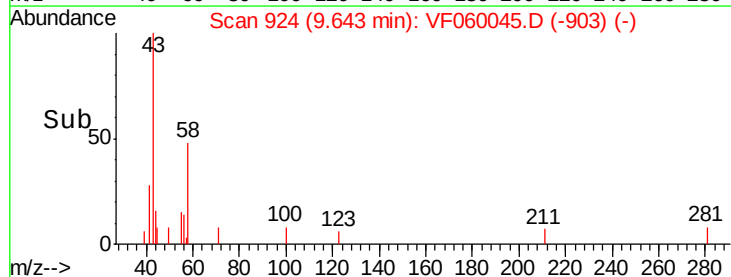
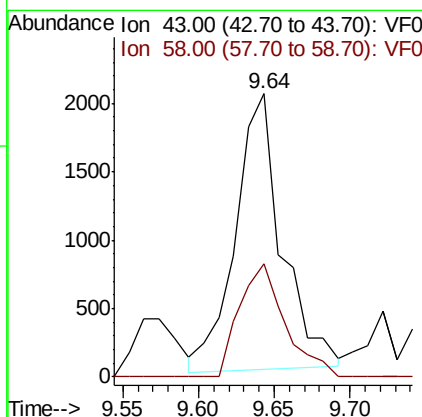
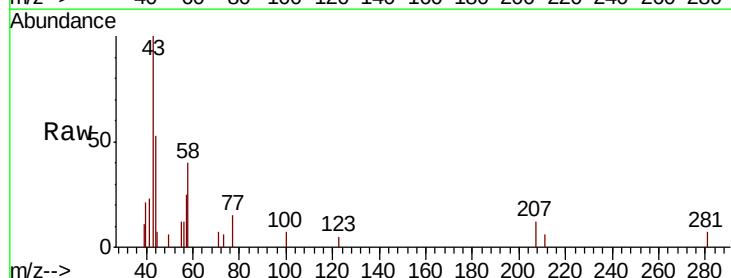
Instrument :
MSVOA_F
ClientSampleId :
T25-COMP

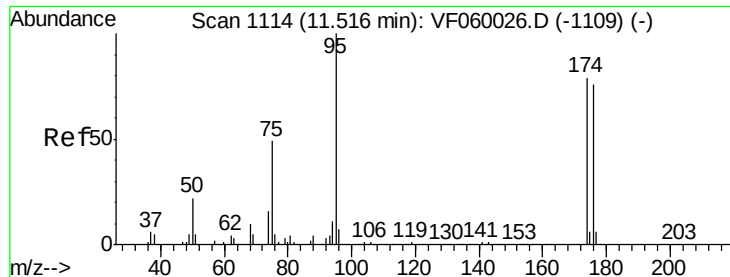
Tot Ion: 98 Resp: 385574
Ion Ratio Lower Upper
98 100
100 69.6 53.2 79.8



#59
2-Hexanone
Concen: 2.62 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060045.D
Acq: 23 Aug 2018 8:13

Tgt Ion: 43 Resp: 4317
Ion Ratio Lower Upper
43 100
58 40.0 23.4 70.2

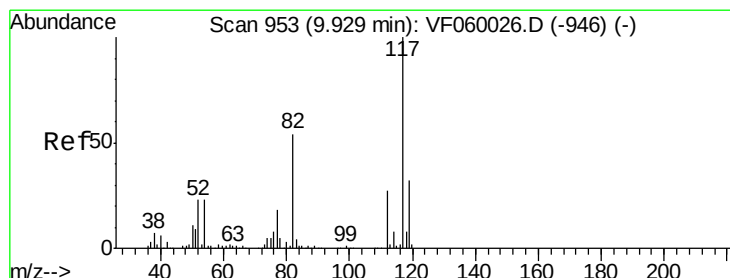
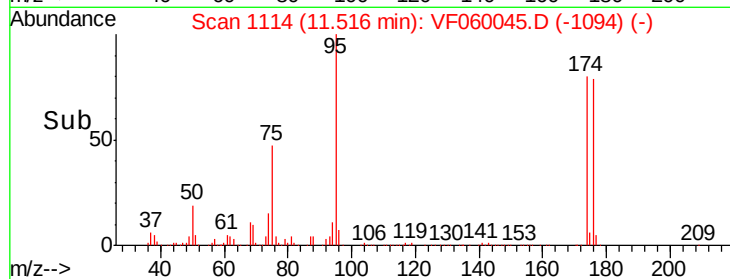
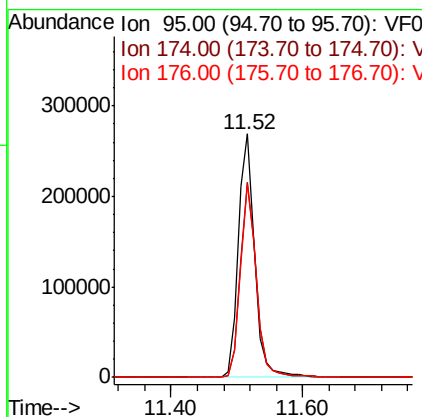
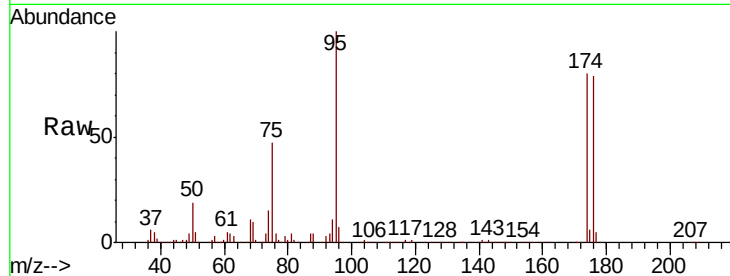




#62
4-Bromofluorobenzene
Concen: 119.63 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF060045.D
Acq: 23 Aug 2018 8:13

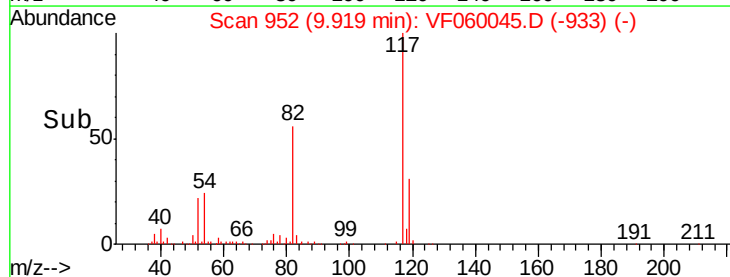
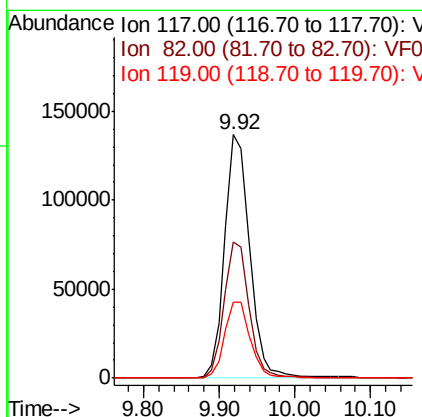
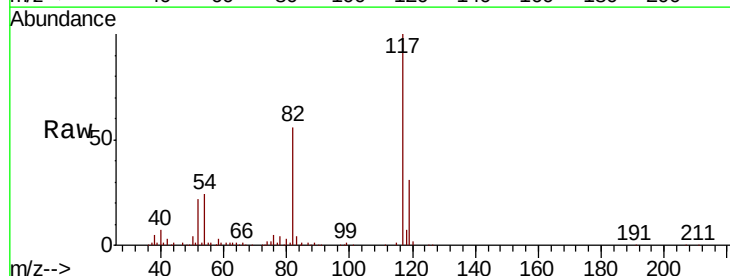
Instrument :
MSVOA_F
ClientSampleId :
T25-COMP

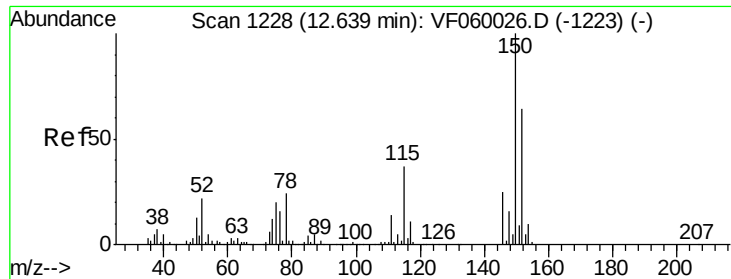
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	158.4
176	79.5	0.0	153.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060045.D
Acq: 23 Aug 2018 8:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.6	65.4
119	31.4	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF060045.D

Acq: 23 Aug 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

T25-COMP

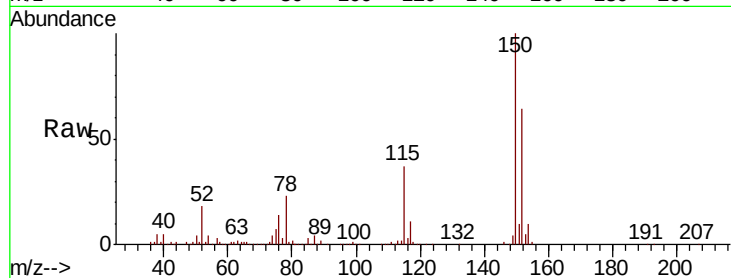
Tot Ion:152 Resp: 115751

Ion Ratio Lower Upper

152 100

115 58.8 28.6 85.9

150 156.9 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

