

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060107.D
 Acq On : 24 Aug 2018 18:35
 Operator : VA/AP
 Sample : J4621-02
 Misc : 6.43g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1

Quant Time: Aug 25 03:47:15 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	5.04	168	153349	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	217928	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	260521	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	155479	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	89334	42.56	ug/l	-0.02
Spiked Amount			Recovery	=	85.12%	
35) Dibromofluoromethane	4.28	113	91861	53.68	ug/l	-0.02
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	7.70	98	233482	48.04	ug/l	-0.02
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.50	95	128665	50.04	ug/l	-0.01
Spiked Amount			Recovery	=	100.08%	

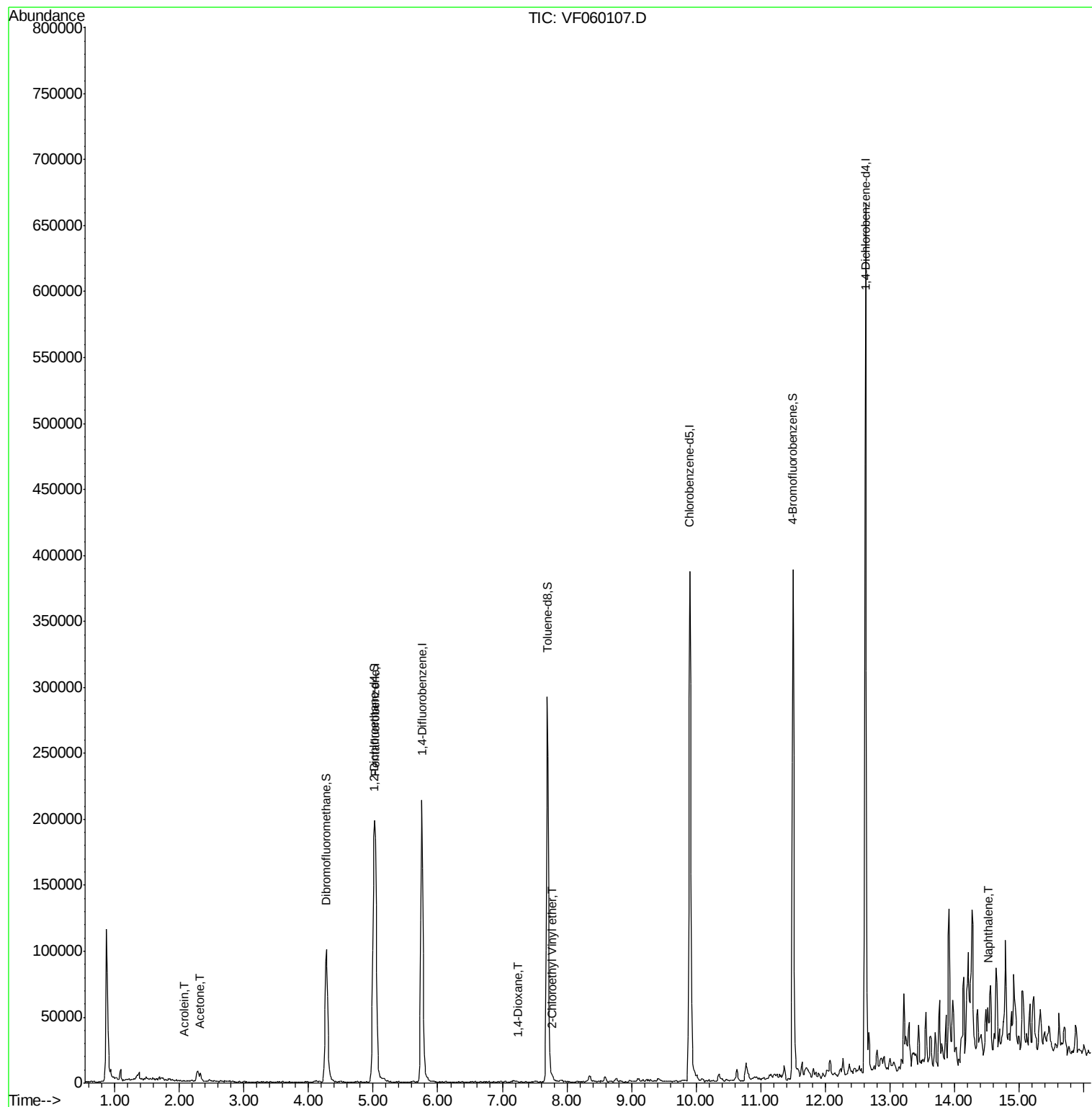
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	770	Below Cal	#	40
13) Acrolein	2.07	56	83	27.41	ug/l	# 8
16) Acetone	2.32	43	6020	10.91	ug/l	# 85
18) Methyl Acetate	2.46	43	597	Below Cal	#	60
20) Methylene Chloride	2.27	84	4476	Below Cal		81
49) 1,4-Dioxane	7.25	88	83	8.48	ug/l	# 18
52) Toluene	7.77	92	1257	Below Cal		75
58) 2-Chloroethyl Vinyl ether	7.78	63	221	1.91	ug/l	100
68) m/p-Xylenes	10.27	106	112	Below Cal	#	53
95) Naphthalene	14.52	128	5968	3.27	ug/l	# 50

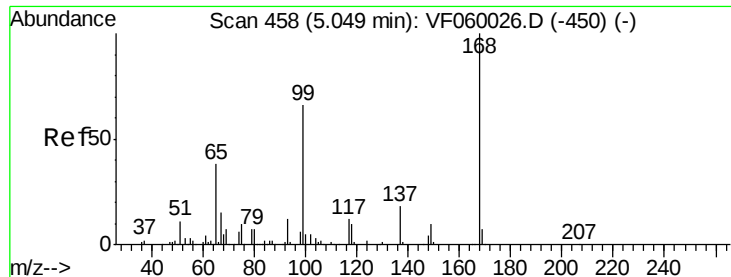
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060107.D

Acq: 24 Aug 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

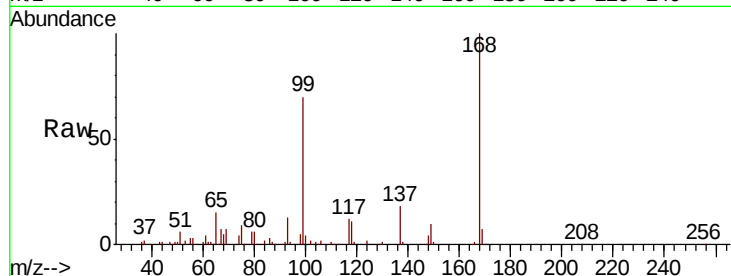
SP-1

Tot Ion:168 Resp: 153349

Ion Ratio Lower Upper

168 100

99 70.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

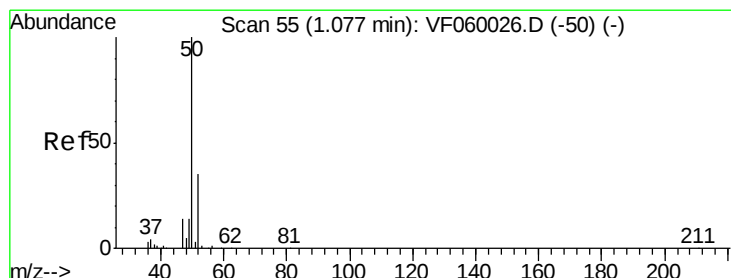
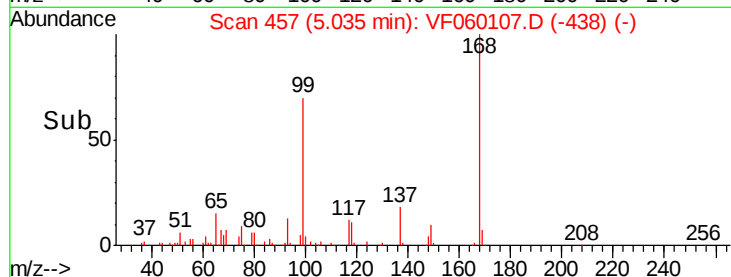
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060107.D

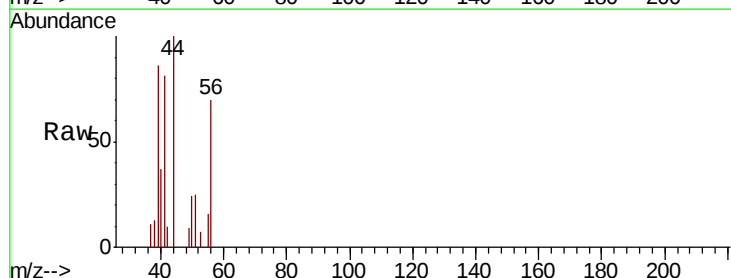
Acq: 24 Aug 2018 18:35

Tgt Ion: 50 Resp: 770

Ion Ratio Lower Upper

50 100

52 0.0 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

500

400

300

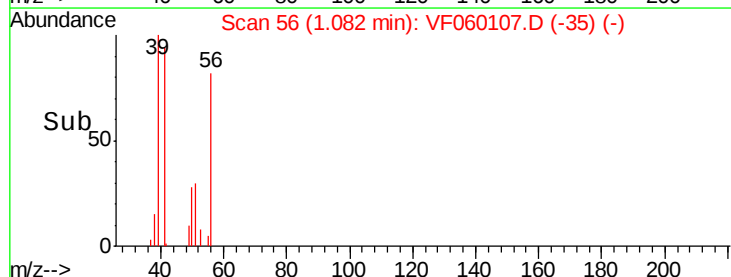
200

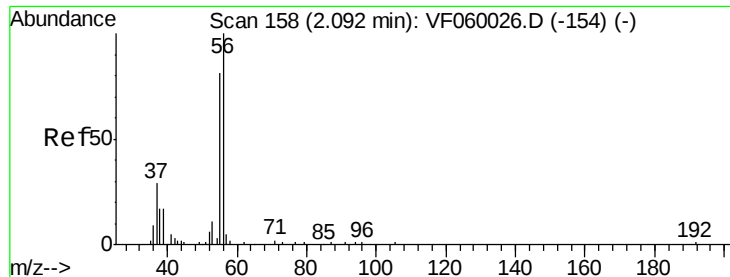
100

0

Time-->

1.05 1.10 1.15





#13

Acrolein

Concen: 27.41 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF060107.D

Acq: 24 Aug 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

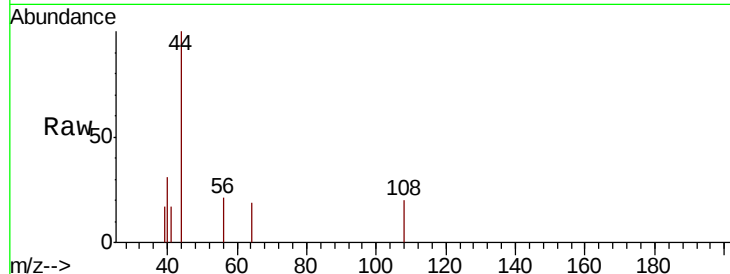
SP-1

Tot Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 0.0 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.07

150

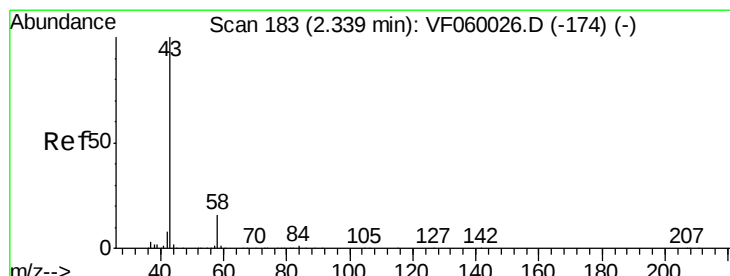
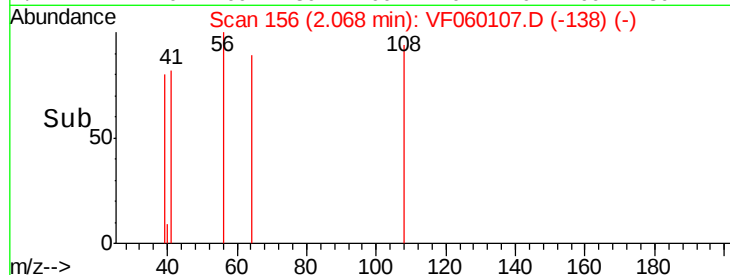
100

50

0

2.06 2.08

Time-->



#16

Acetone

Concen: 10.91 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060107.D

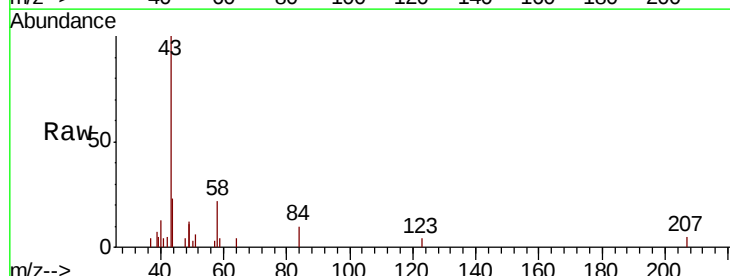
Acq: 24 Aug 2018 18:35

Tgt Ion: 43 Resp: 6020

Ion Ratio Lower Upper

43 100

58 22.1 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

3000

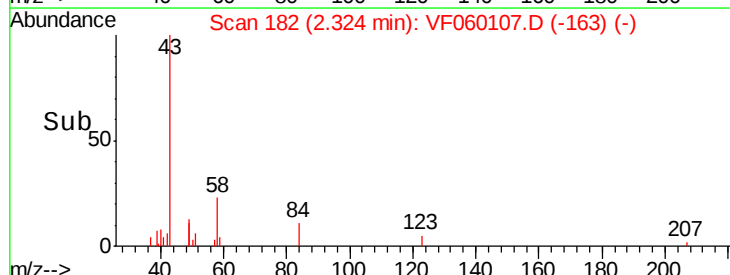
2000

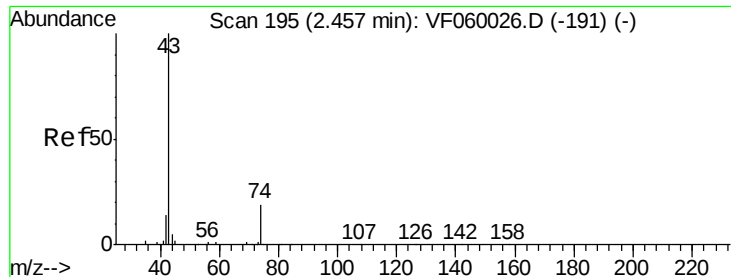
1000

0

2.20 2.30 2.40

Time-->

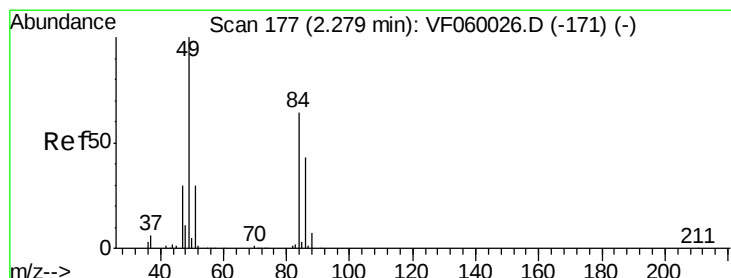
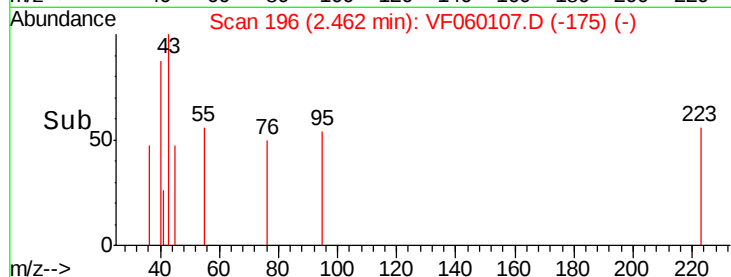
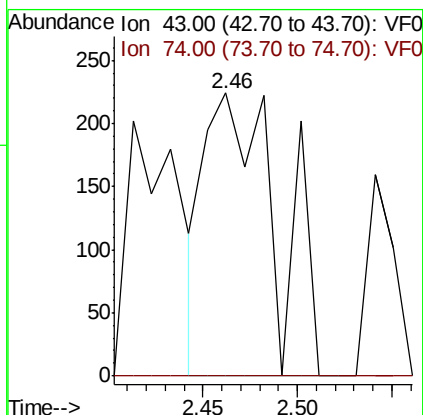
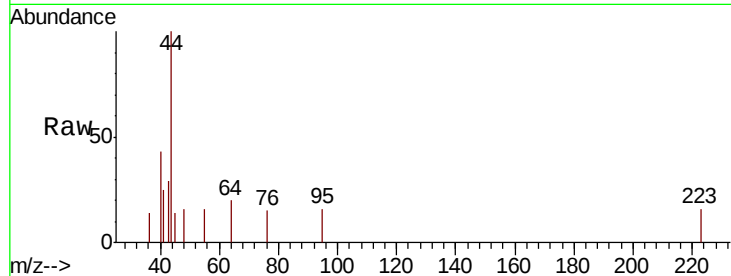




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

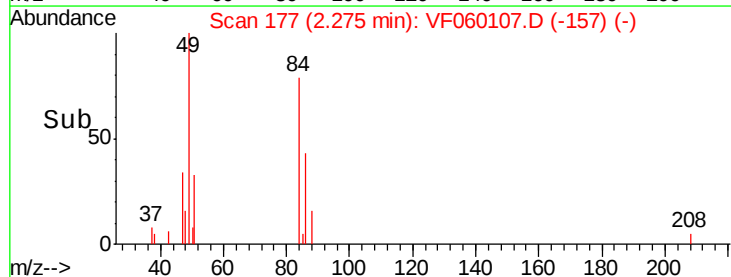
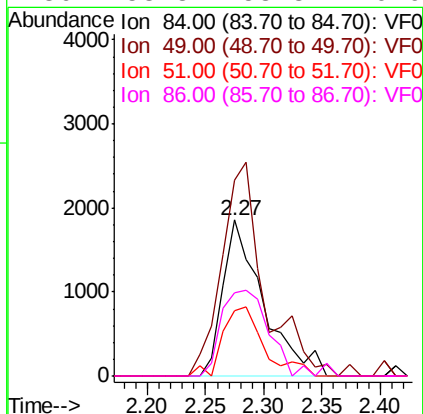
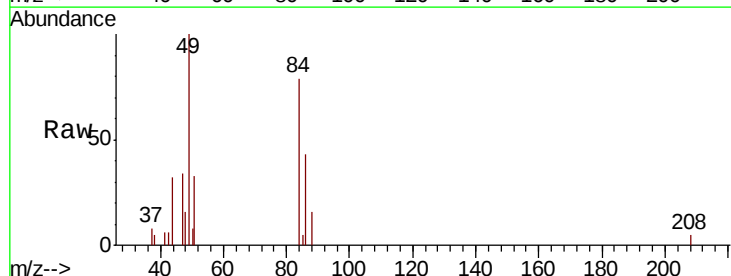
Instrument :
MSVOA_F
ClientSampled :
SP-1

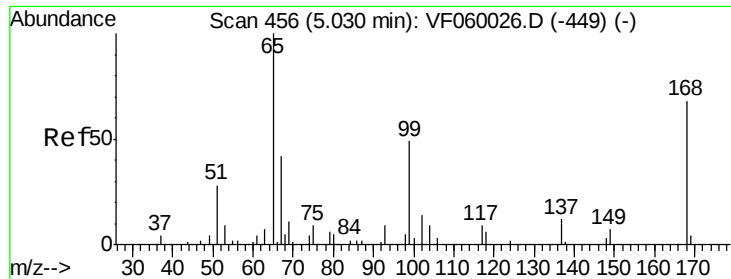
Tot Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

Tgt Ion: 84 Resp: 4476
Ion Ratio Lower Upper
84 100
49 125.9 125.4 188.0
51 41.9 38.3 57.5
86 53.8 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 42.56 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060107.D

Acq: 24 Aug 2018 18:35

Instrument :

MSVOA_F

ClientSampled :

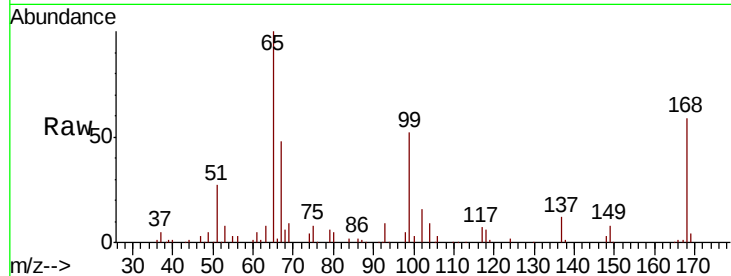
SP-1

Tot Ion: 65 Resp: 89334

Ion Ratio Lower Upper

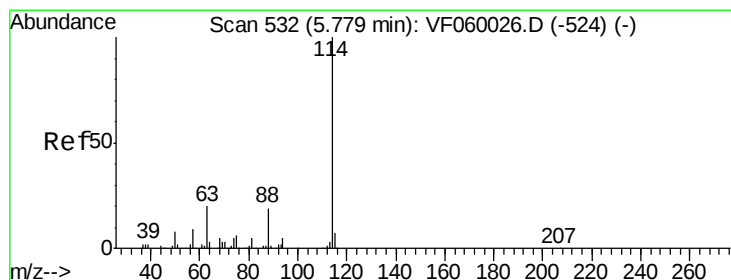
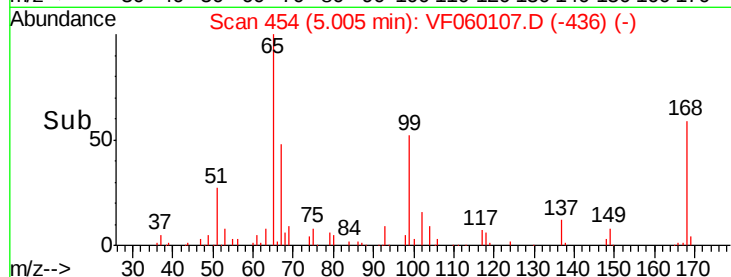
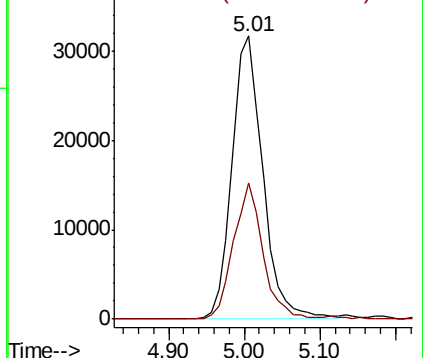
65 100

67 48.3 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: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060107.D

Acq: 24 Aug 2018 18:35

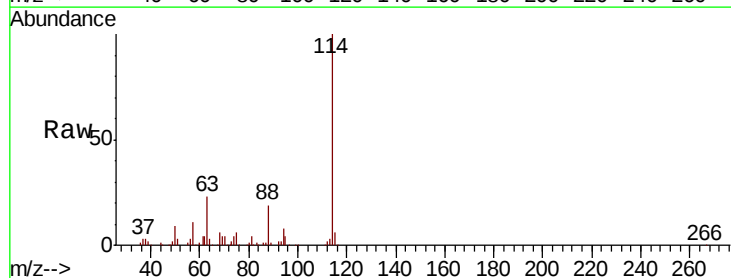
Tgt Ion: 114 Resp: 217928

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.4

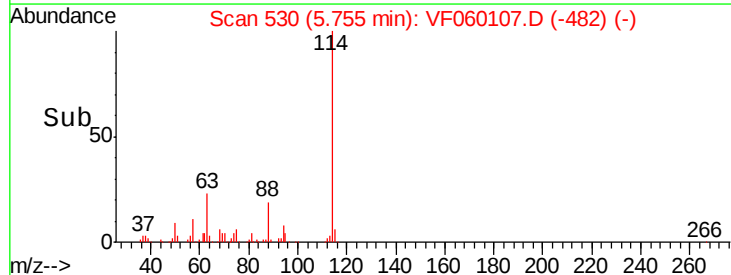
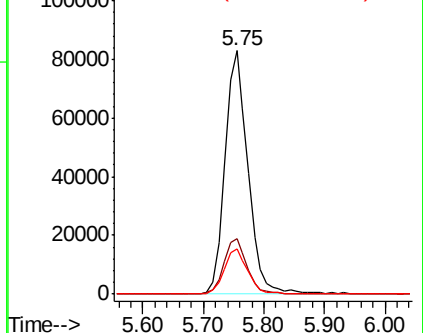
88 18.5 0.0 38.6

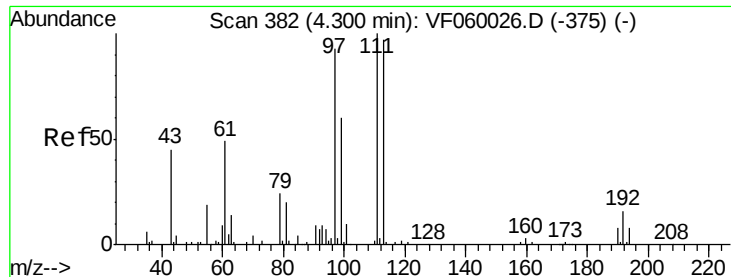


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 53.68 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060107.D

Acq: 24 Aug 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

SP-1

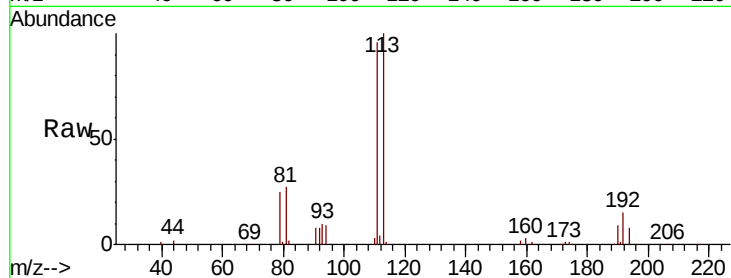
Tot Ion:113 Resp: 91861

Ion Ratio Lower Upper

113 100

111 96.5 82.7 124.1

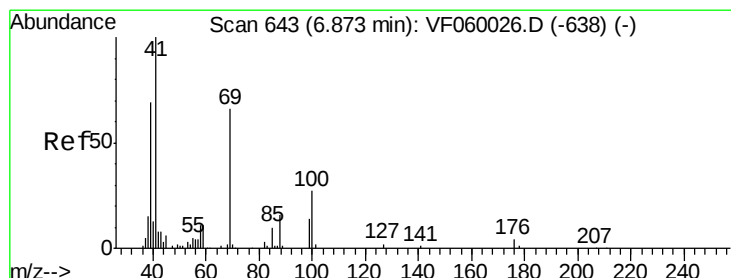
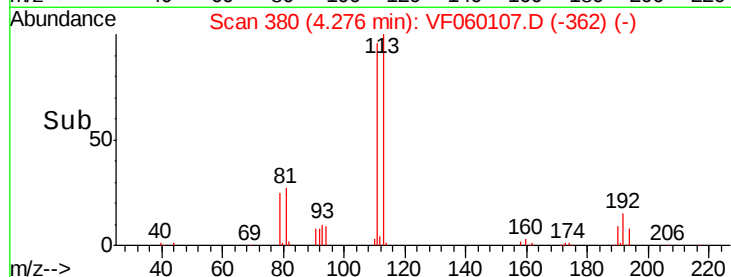
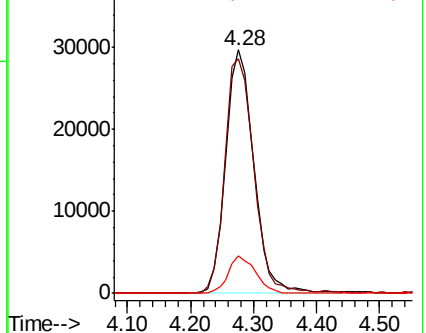
192 15.4 13.0 19.4



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



#49

1,4-Dioxane

Concen: 8.48 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.38 min

Lab File: VF060107.D

Acq: 24 Aug 2018 18:35

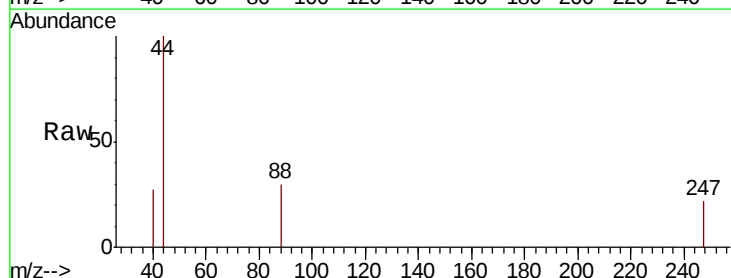
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 0.0 46.5 69.7#

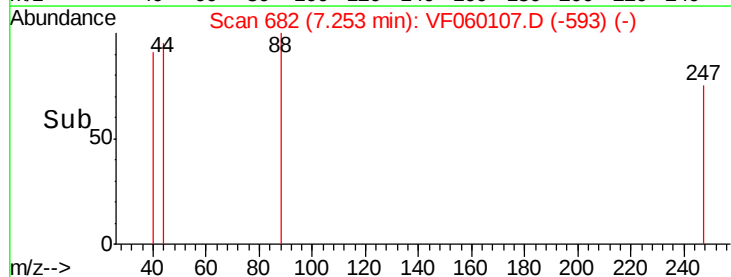
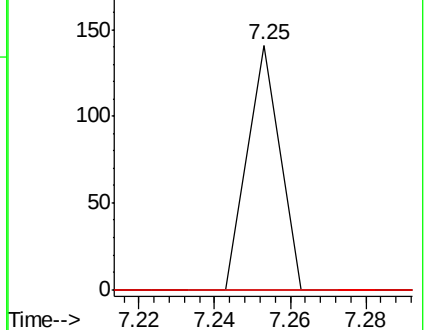
58 0.0 54.8 82.2#

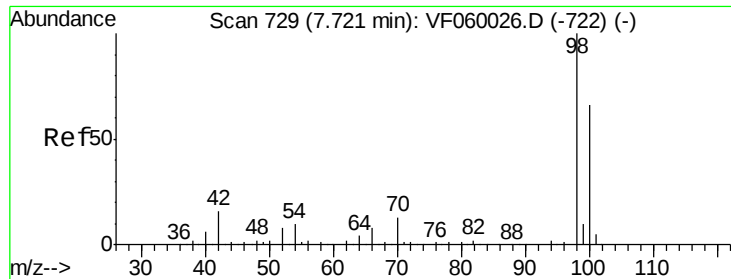


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

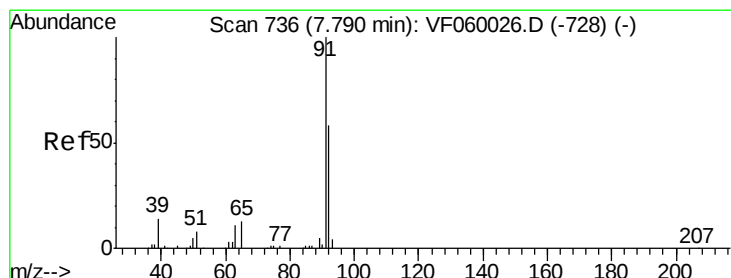
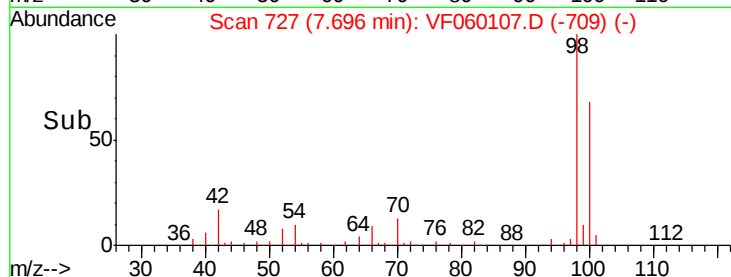
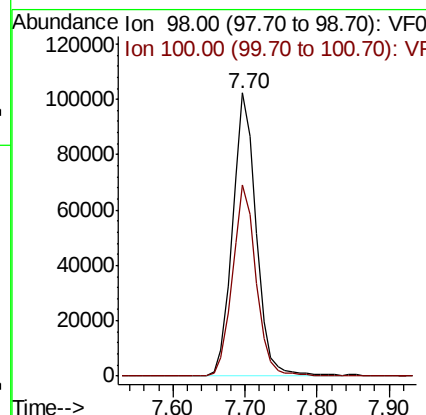
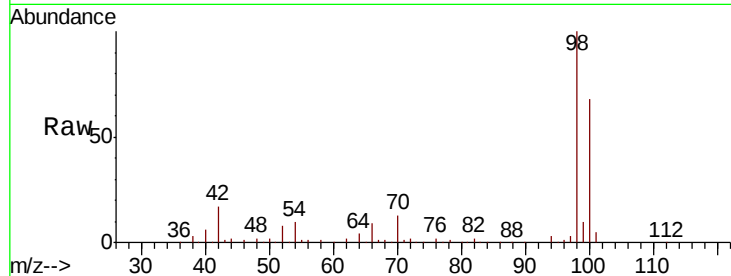




#50
Toluene-d8
Concen: 48.04 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

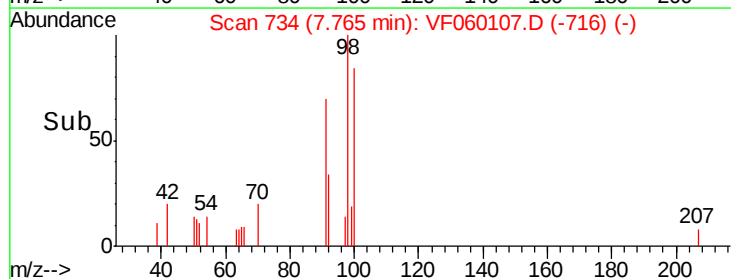
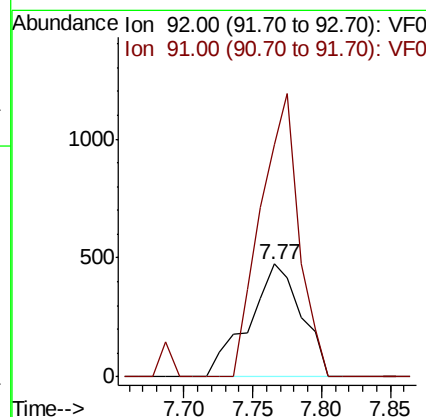
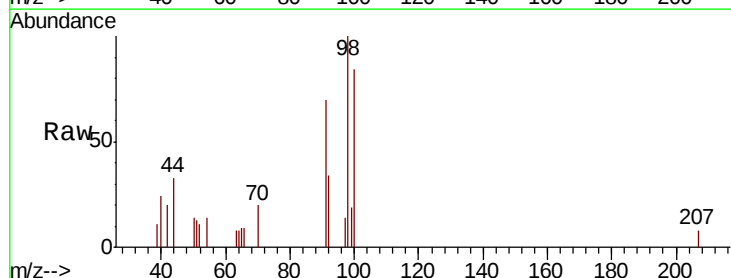
Instrument :
MSVOA_F
ClientSampleId :
SP-1

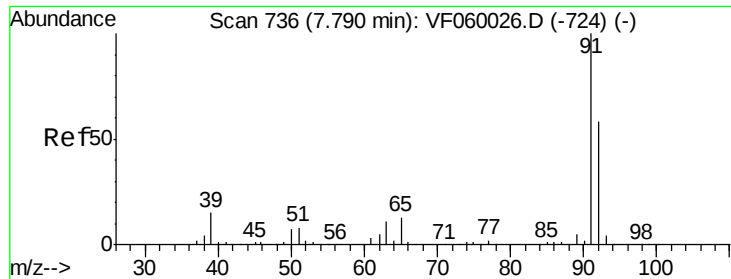
Tot Ion: 98 Resp: 233482
Ion Ratio Lower Upper
98 100
100 67.8 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 734
Delta R.T. -0.02 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

Tgt Ion: 92 Resp: 1257
Ion Ratio Lower Upper
92 100
91 206.3 137.7 206.5

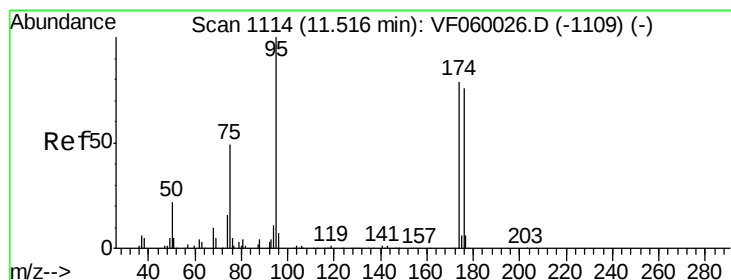
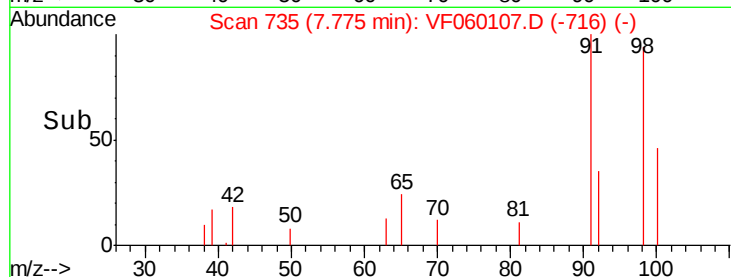
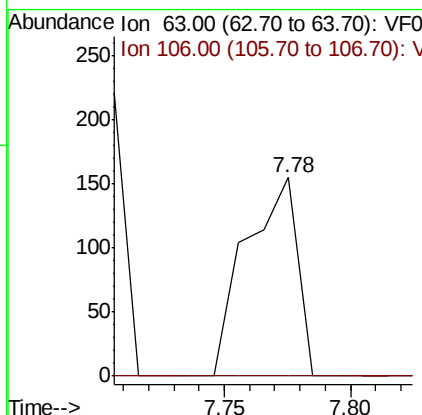
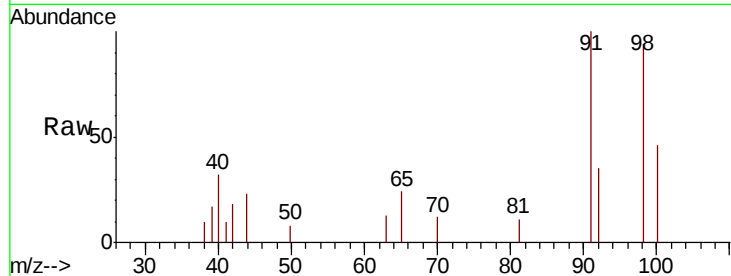




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.91 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF060107.D
 Acq: 24 Aug 2018 18:35

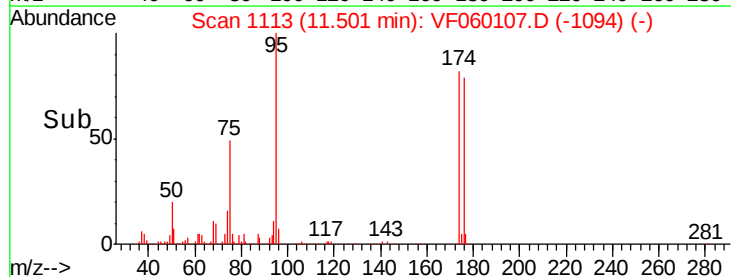
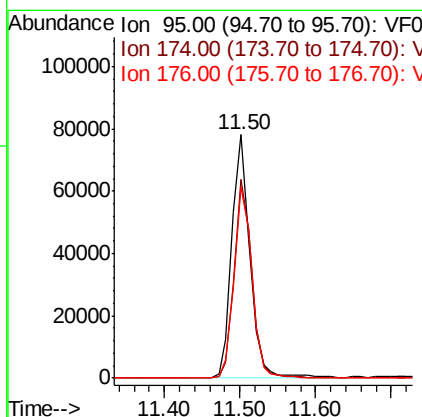
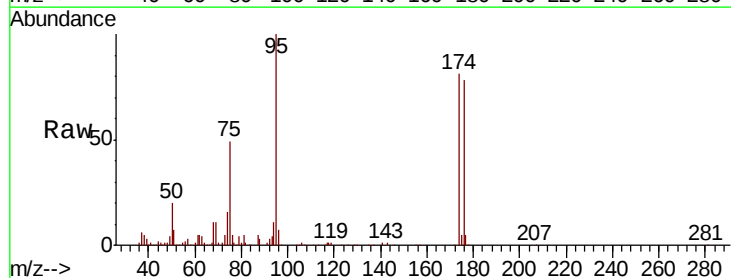
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1

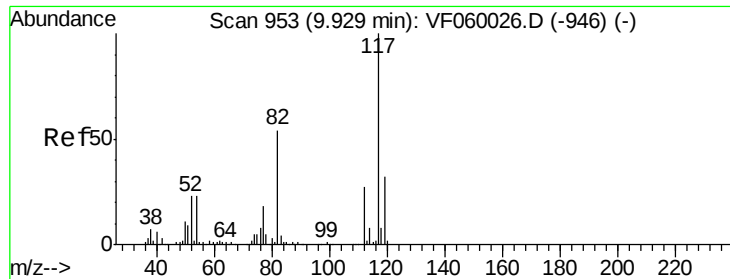
Tot Ion: 63 Resp: 221
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 50.04 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060107.D
 Acq: 24 Aug 2018 18:35

Tgt Ion: 95 Resp: 128665
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 158.4
 176 78.4 0.0 153.0

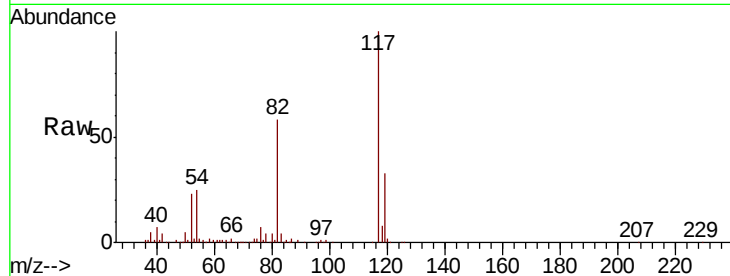




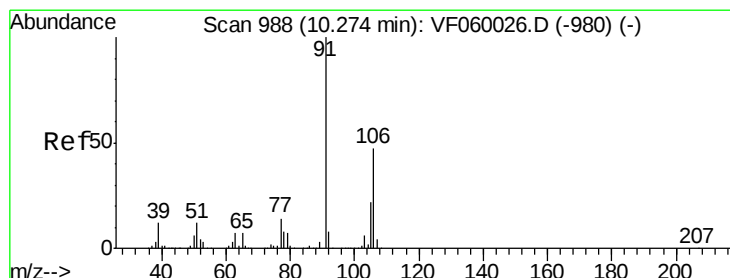
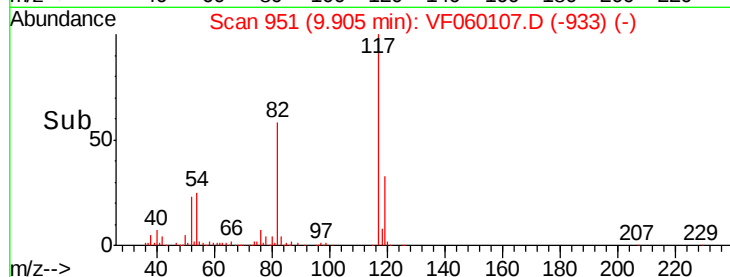
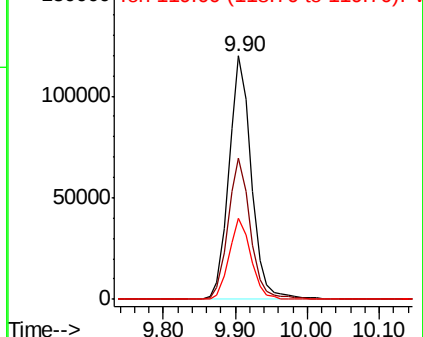
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

Instrument :
MSVOA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.6	65.4
119	33.2	25.6	38.4

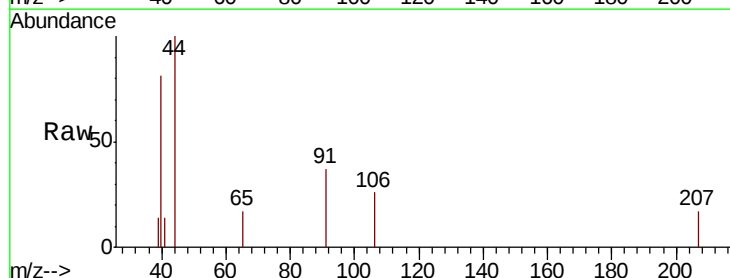


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

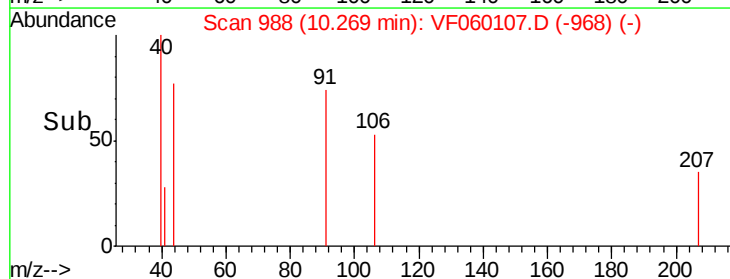
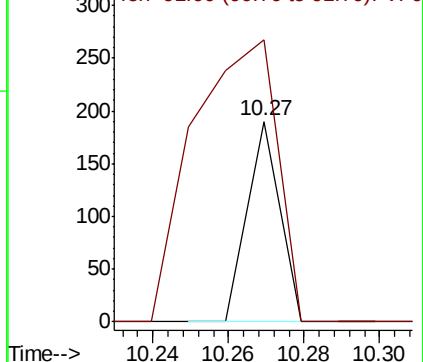


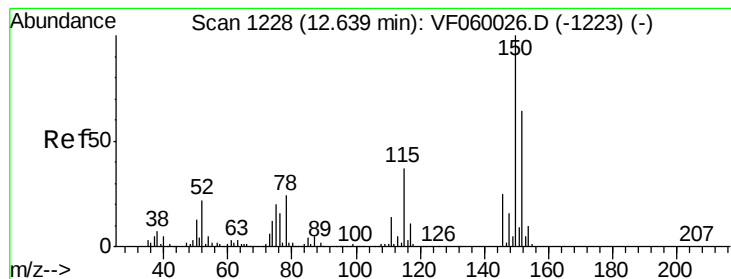
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	141.1	171.8	257.8#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



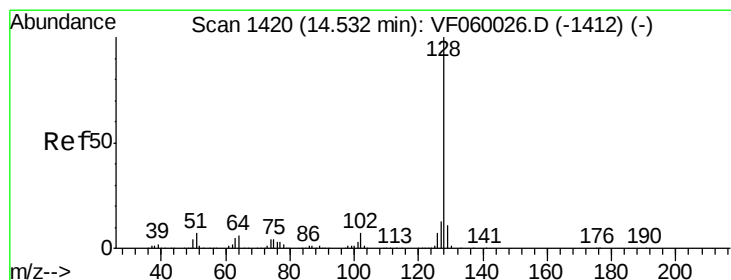
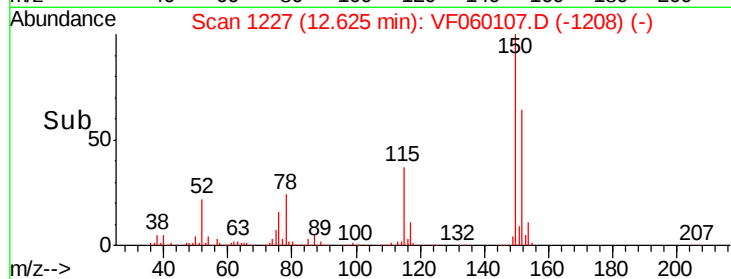
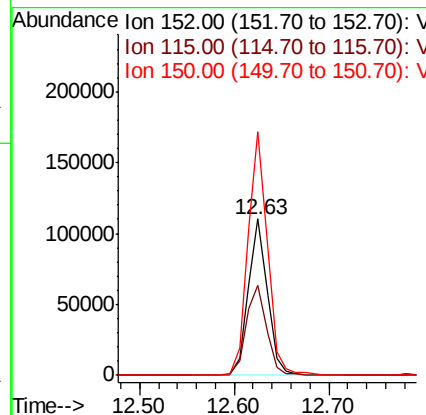
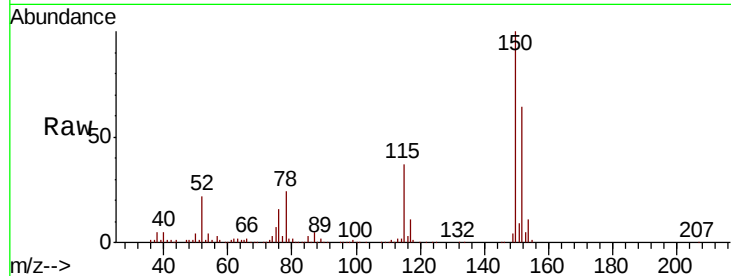


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
SP-1

Tot Ion:152 Resp: 155479
Ion Ratio Lower Upper
152 100
115 57.9 28.6 85.9
150 155.7 0.0 312.0



#95

Naphthalene
Concen: 3.27 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060107.D
Acq: 24 Aug 2018 18:35

Tgt Ion:128 Resp: 5968
Ion Ratio Lower Upper
128 100
127 17.4 10.4 15.6#
129 47.8 8.5 12.7#

