

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062066.D
 Acq On : 21 Mar 2019 17:52
 Operator : VA/AP
 Sample : K2018-05
 Misc : 5.95g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-C

Quant Time: Mar 22 08:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	263209	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	418703	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	302930	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	145610	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	90910	47.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	4.13	113	135708	48.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	7.57	98	283165	34.45	ug/l	0.02
Spiked Amount	50.000		Recovery	=	68.90%	
62) 4-Bromofluorobenzene	11.42	95	122242	37.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.88%	

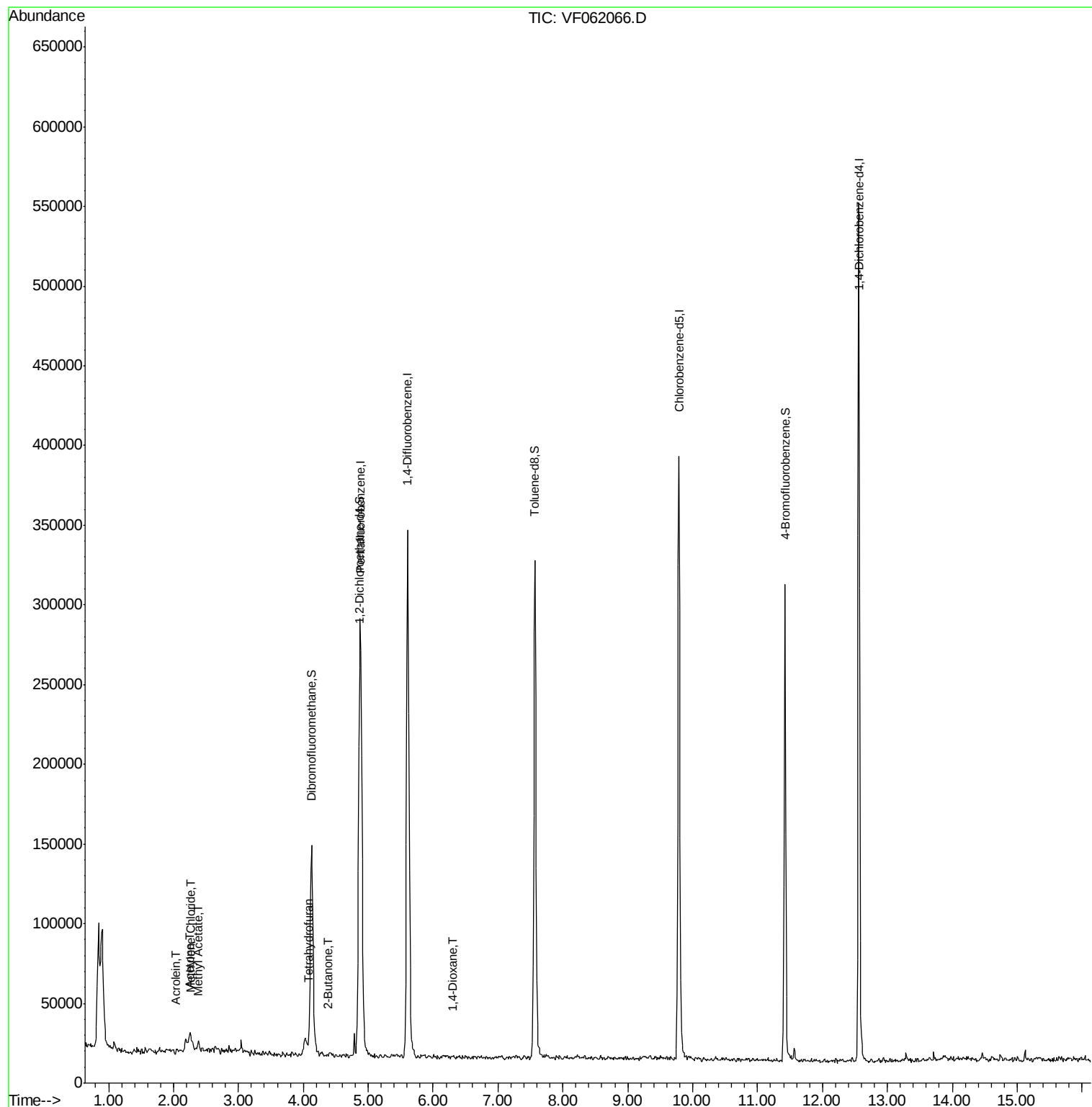
Target Compounds					Qvalue	
13) Acrolein	2.05	56	829	6.624	ug/l #	69
16) Acetone	2.25	43	9471	22.261	ug/l	97
18) Methyl Acetate	2.38	43	3897	4.042	ug/l #	53
20) Methylene Chloride	2.27	84	5973	2.691	ug/l	91
25) 2-Butanone	4.36	43	1198	1.422	ug/l #	51
29) Tetrahydrofuran	4.08	42	1201	3.277	ug/l #	38
49) 1,4-Dioxane	6.29	88	75	6.495	ug/l #	1

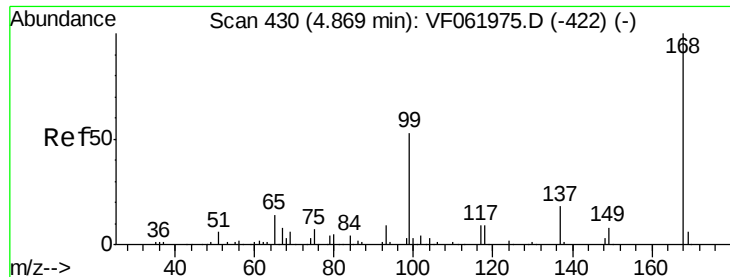
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF062066.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_F

ClientSampleId :

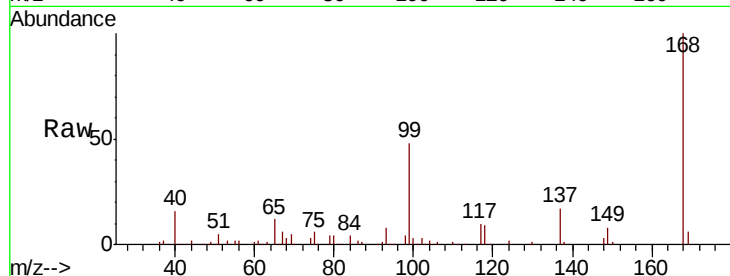
SP-1-C

Tgt Ion:168 Resp: 263209

Ion Ratio Lower Upper

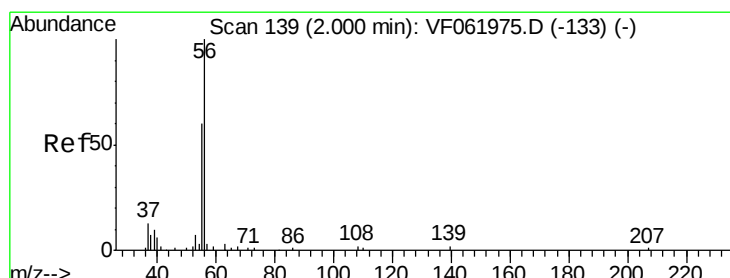
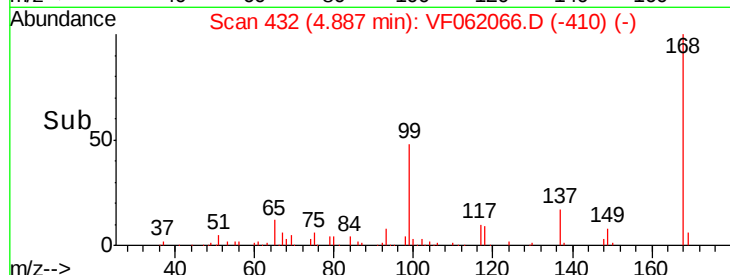
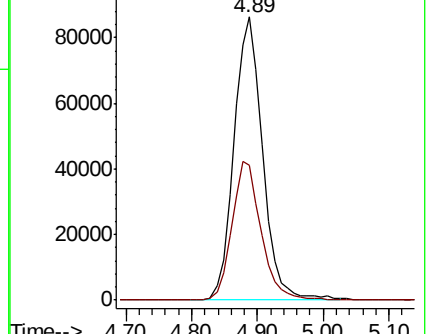
168 100

99 47.6 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 6.624 ug/l

RT: 2.05 min Scan# 144

Delta R.T. 0.05 min

Lab File: VF062066.D

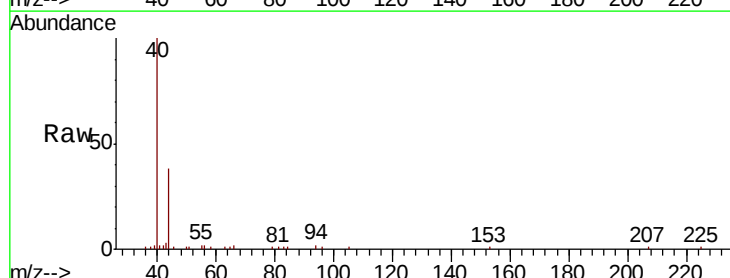
Acq: 21 Mar 2019 17:52

Tgt Ion: 56 Resp: 829

Ion Ratio Lower Upper

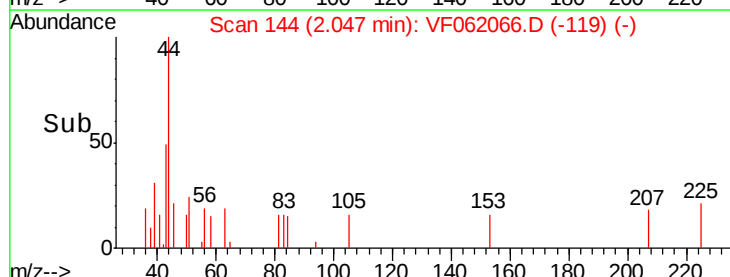
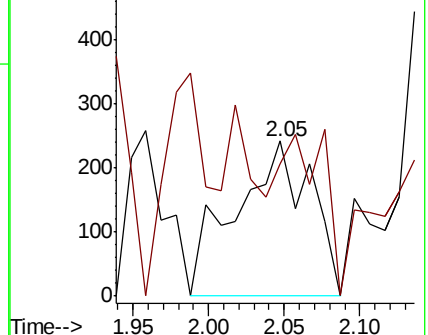
56 100

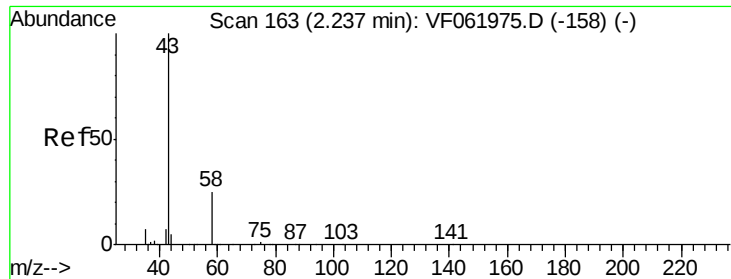
55 85.1 49.1 73.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#16

Acetone

Concen: 22.261 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.02 min

Lab File: VF062066.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_F

ClientSampleId :

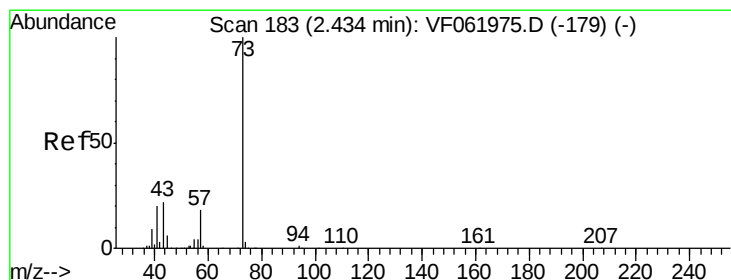
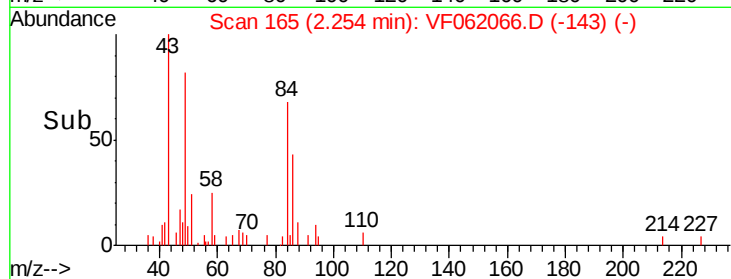
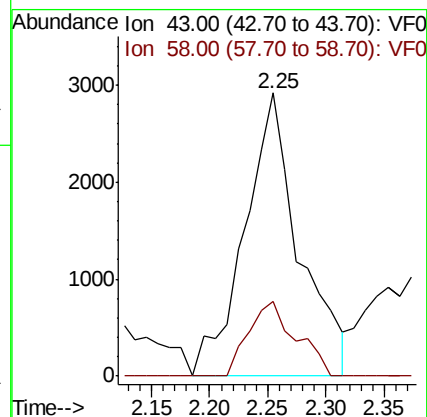
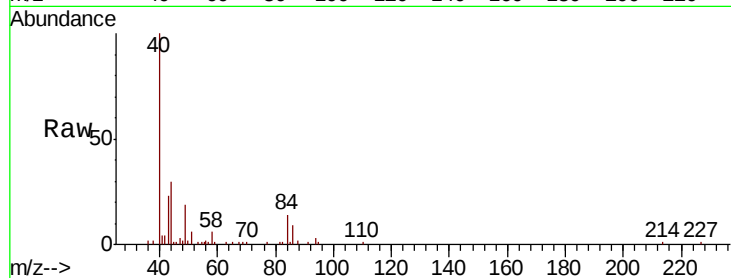
SP-1-C

Tgt Ion: 43 Resp: 9471

Ion Ratio Lower Upper

43 100

58 26.3 19.9 29.9



#18

Methyl Acetate

Concen: 4.042 ug/l

RT: 2.38 min Scan# 178

Delta R.T. 0.04 min

Lab File: VF062066.D

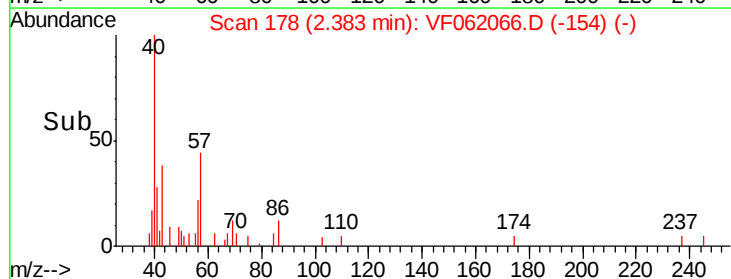
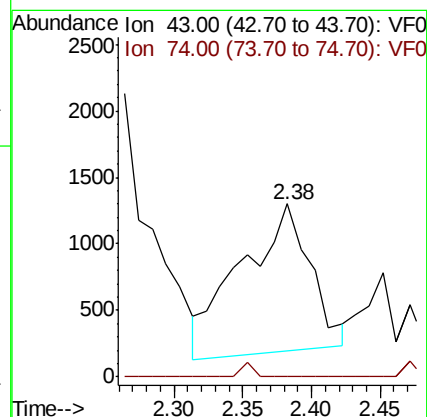
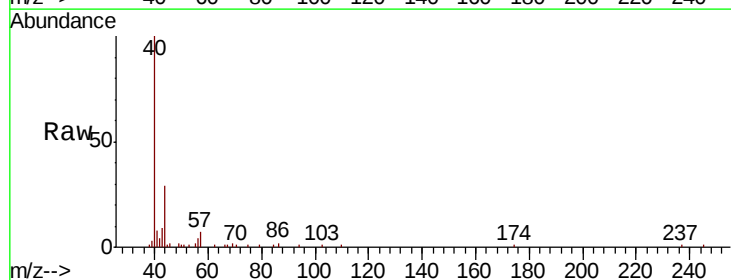
Acq: 21 Mar 2019 17:52

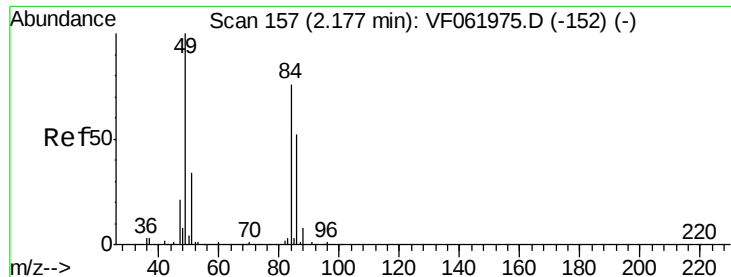
Tgt Ion: 43 Resp: 3897

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#

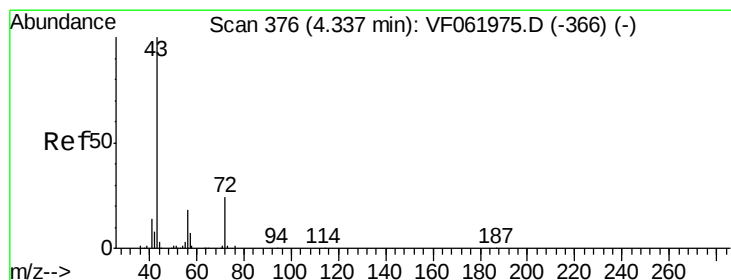
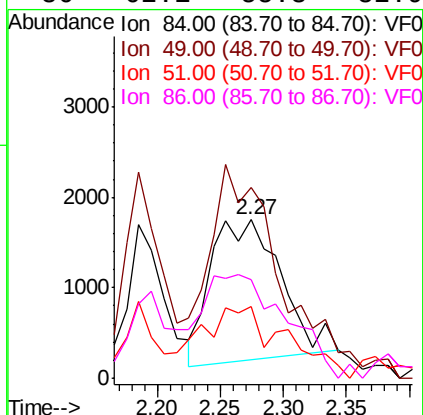
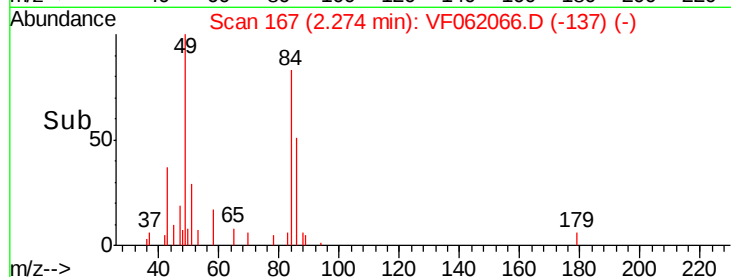
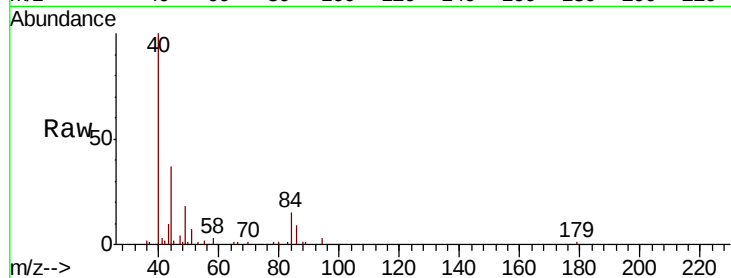




#20
Methylene Chloride
Concen: 2.691 ug/l
RT: 2.27 min Scan# 167
Delta R.T. 0.10 min
Lab File: VF062066.D
Acq: 21 Mar 2019 17:52

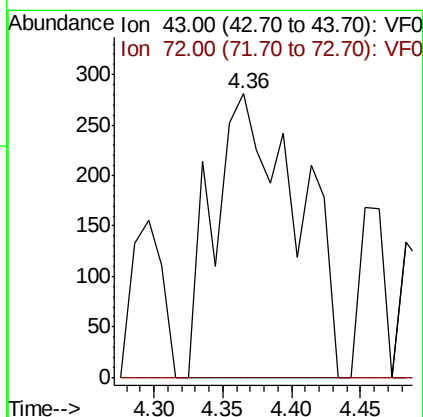
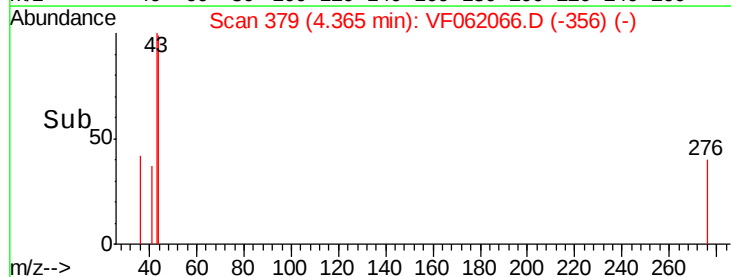
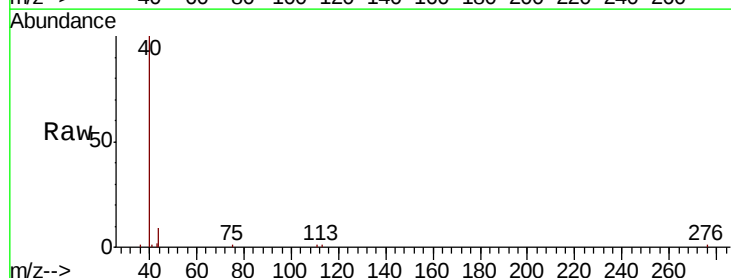
Instrument :
MSVOA_F
ClientSampled :
SP-1-C

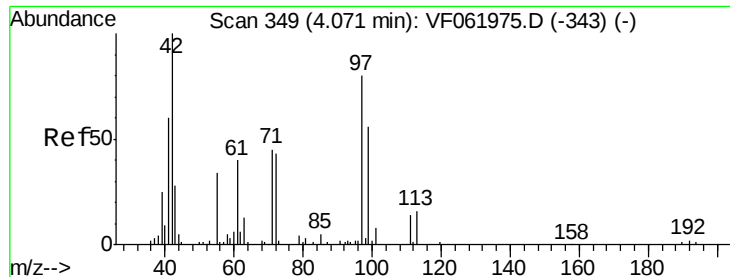
Tgt Ion: 84 Resp: 5973
Ion Ratio Lower Upper
84 100
49 120.7 107.0 160.6
51 45.5 37.2 55.8
86 62.1 55.3 82.9



#25
2-Butanone
Concen: 1.422 ug/l
RT: 4.36 min Scan# 379
Delta R.T. 0.03 min
Lab File: VF062066.D
Acq: 21 Mar 2019 17:52

Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#





#29

Tetrahydrofuran

Concen: 3.277 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF062066.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_F

ClientSampled :

SP-1-C

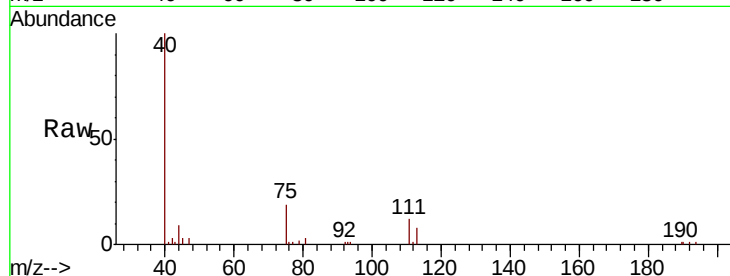
Tgt Ion: 42 Resp: 1201

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

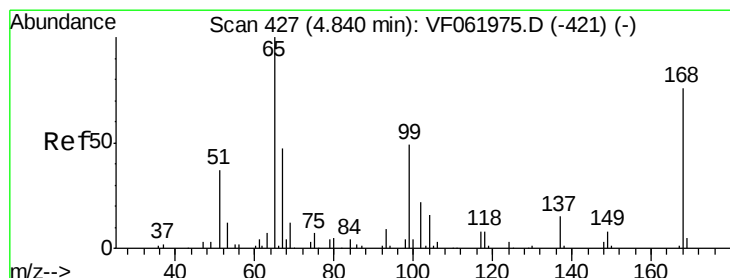
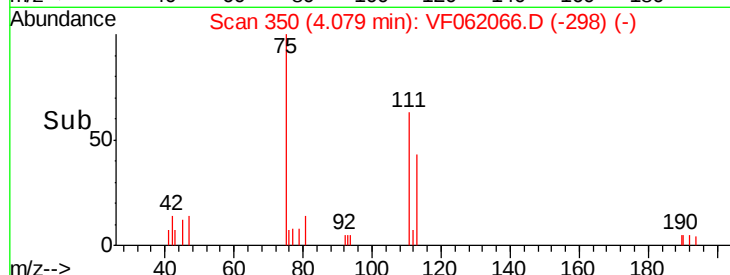
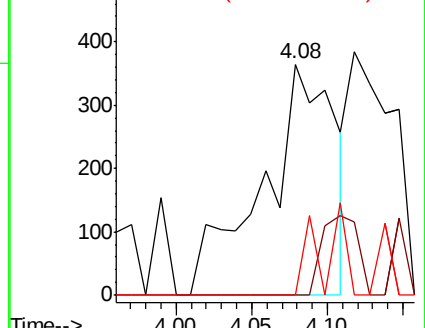
71 6.2 34.2 51.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 47.982 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF062066.D

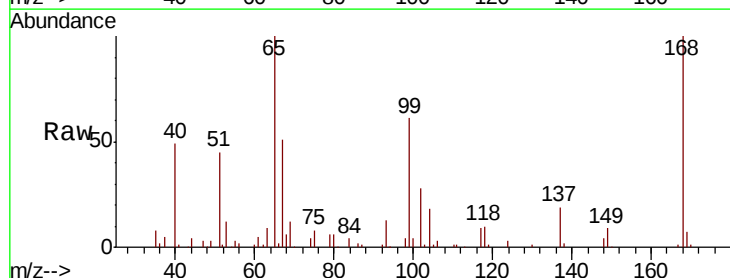
Acq: 21 Mar 2019 17:52

Tgt Ion: 65 Resp: 90910

Ion Ratio Lower Upper

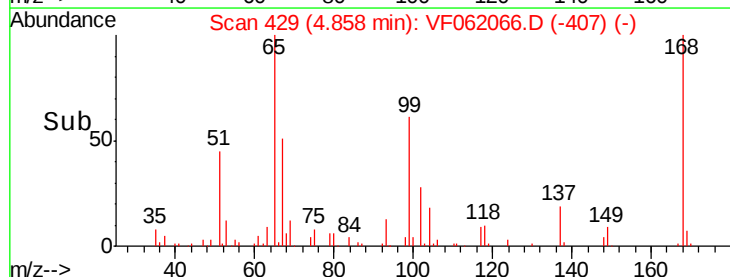
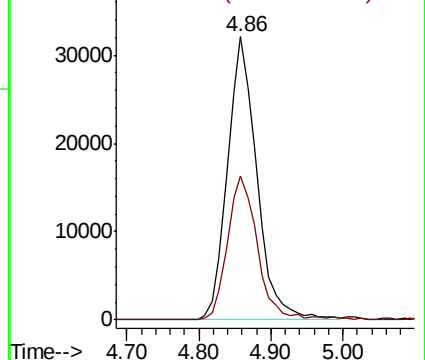
65 100

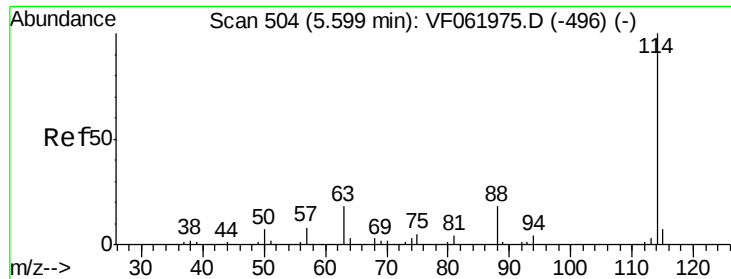
67 50.7 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

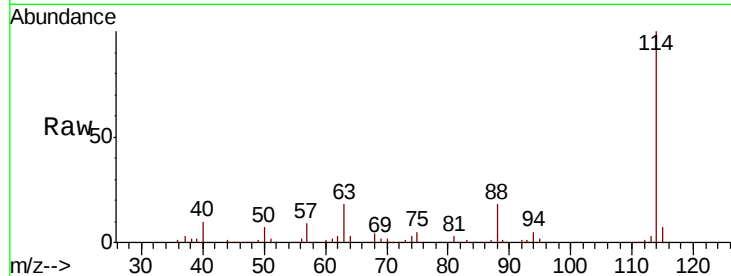




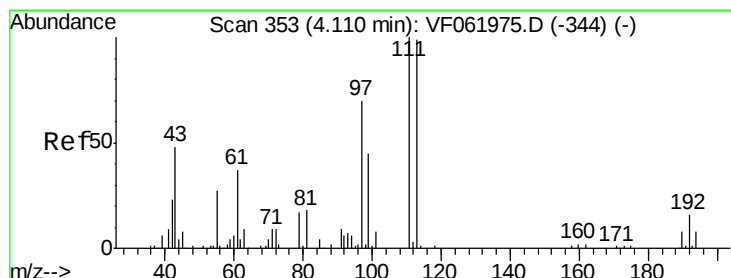
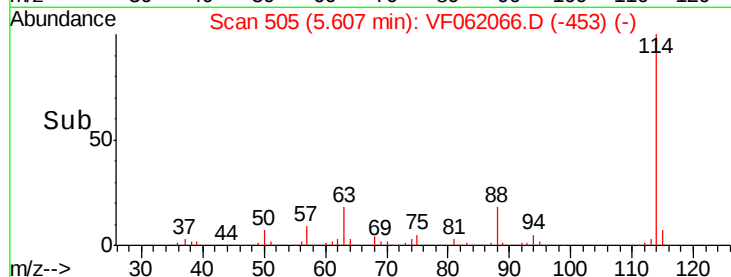
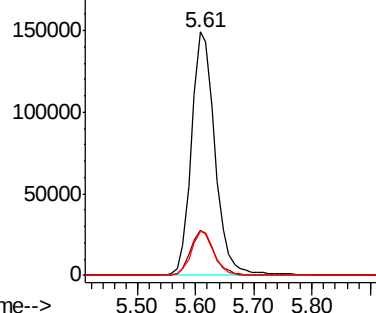
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF062066.D
 Acq: 21 Mar 2019 17:52

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-C

Tgt Ion:114 Resp: 418703
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.4
 88 17.8 0.0 36.4

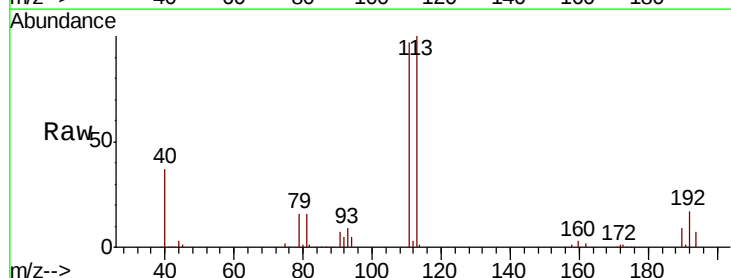


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

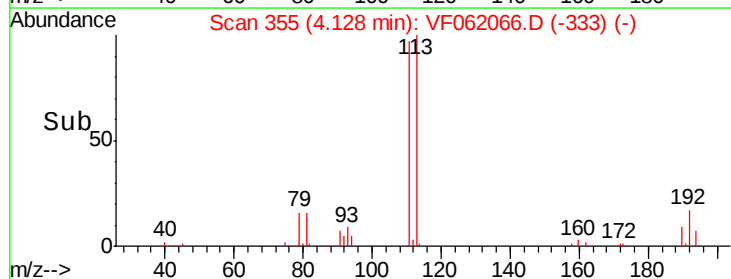
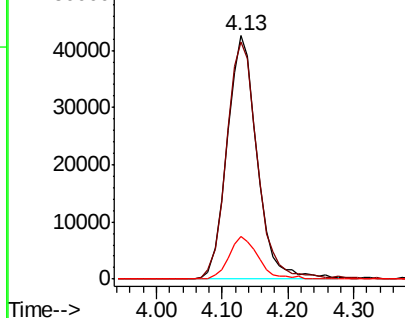


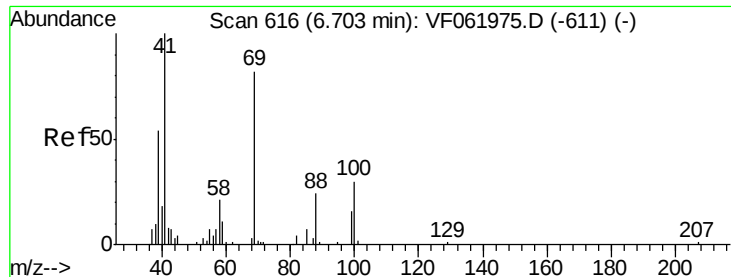
#35
 Dibromofluoromethane
 Concen: 48.266 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF062066.D
 Acq: 21 Mar 2019 17:52

Tgt Ion:113 Resp: 135708
 Ion Ratio Lower Upper
 113 100
 111 97.3 80.8 121.2
 192 17.4 13.0 19.6



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: 6.495 ug/l

RT: 6.29 min Scan# 574

Delta R.T. -0.42 min

Lab File: VF062066.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_F

ClientSampled :

SP-1-C

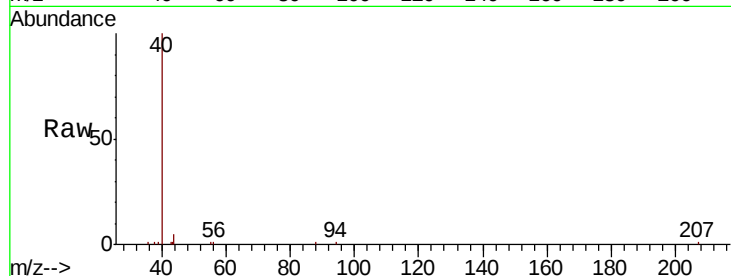
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 327.6 31.2 46.8#

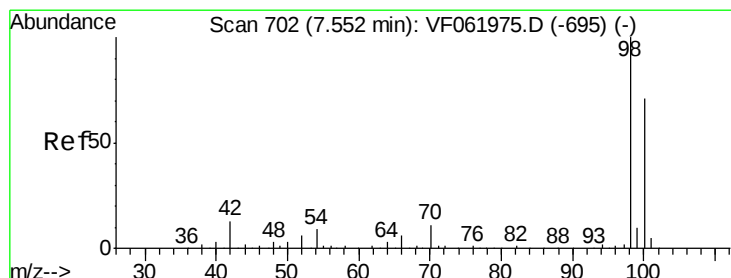
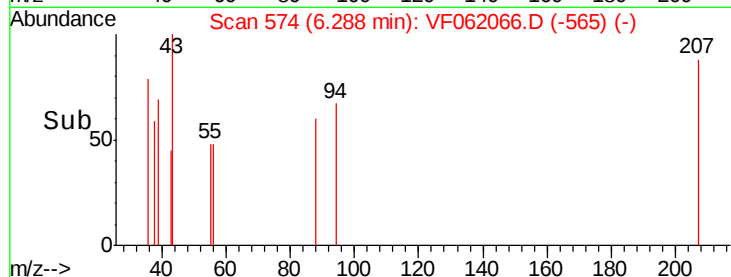
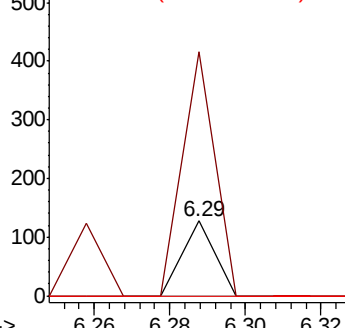
58 0.0 69.9 104.9#



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: 34.451 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062066.D

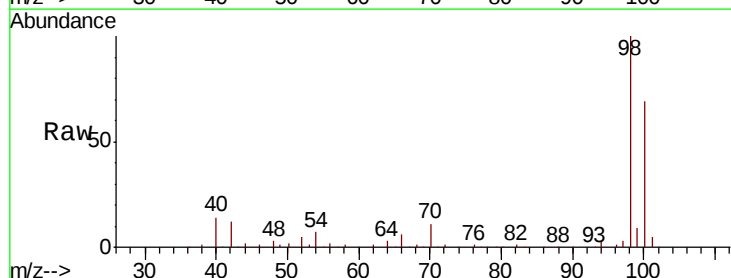
Acq: 21 Mar 2019 17:52

Tgt Ion: 98 Resp: 283165

Ion Ratio Lower Upper

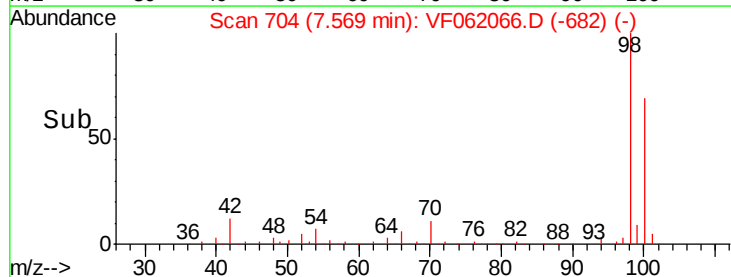
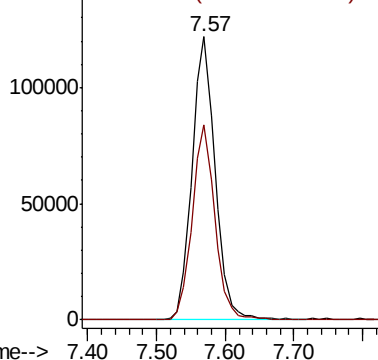
98 100

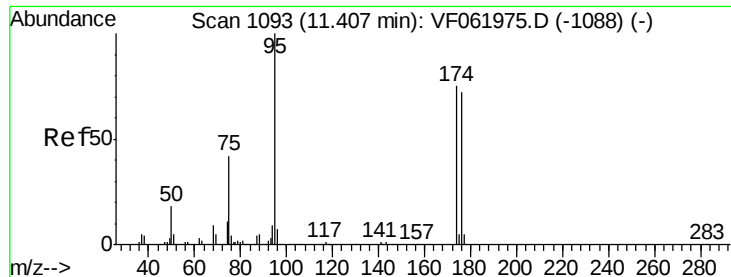
100 68.8 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

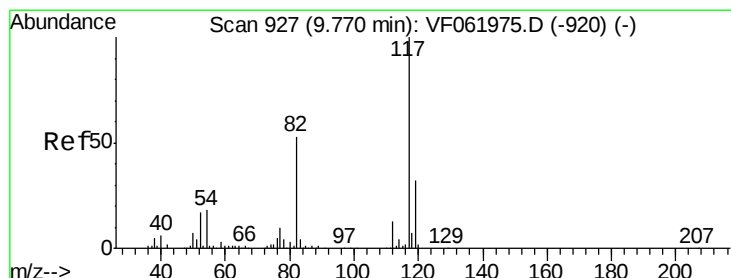
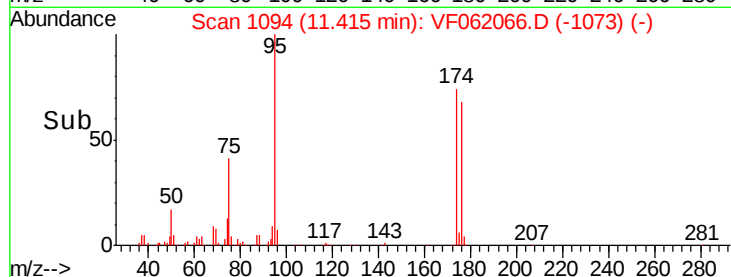
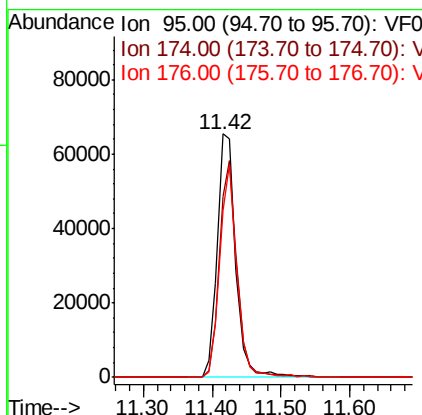
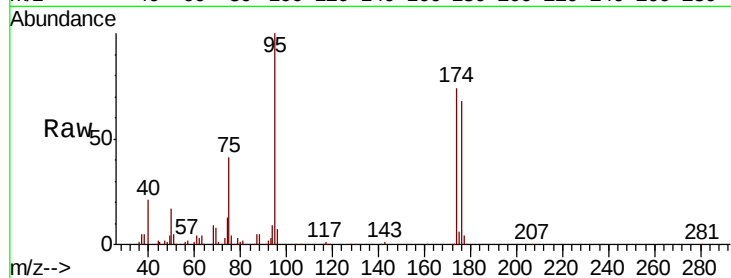




#62
4-Bromofluorobenzene
Concen: 37.437 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF062066.D
Acq: 21 Mar 2019 17:52

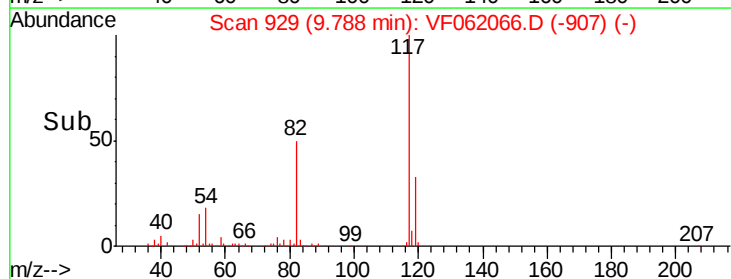
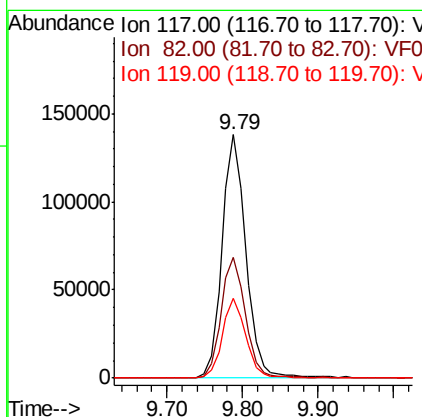
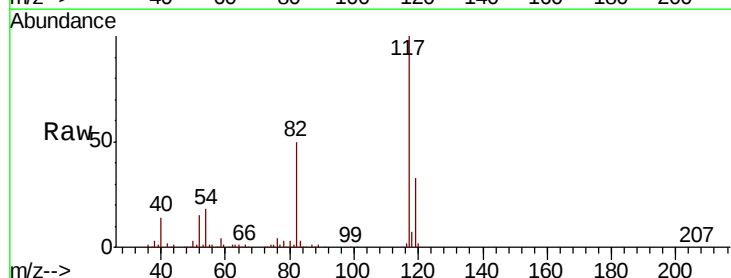
Instrument :
MSVOA_F
ClientSampleId :
SP-1-C

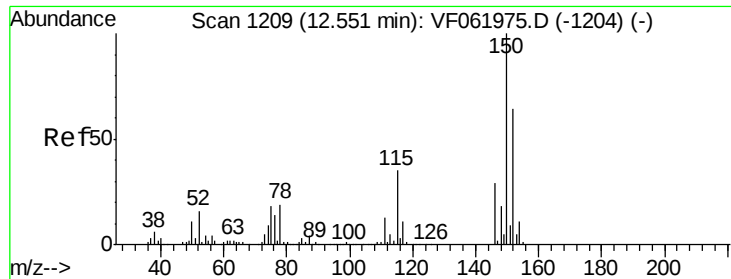
Tgt Ion: 95 Resp: 122242
Ion Ratio Lower Upper
95 100
174 74.4 0.0 149.4
176 68.3 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF062066.D
Acq: 21 Mar 2019 17:52

Tgt Ion: 117 Resp: 302930
Ion Ratio Lower Upper
117 100
82 49.6 42.5 63.7
119 32.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF062066.D

Acq: 21 Mar 2019 17:52

Instrument :

MSVOA_F

ClientSampleId :

SP-1-C

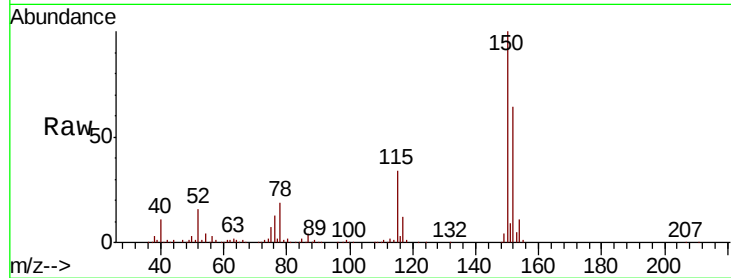
Tgt Ion:152 Resp: 145610

Ion Ratio Lower Upper

152 100

115 53.0 27.3 81.9

150 155.3 0.0 316.2



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

