

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062065.D
 Acq On : 21 Mar 2019 17:23
 Operator : VA/AP
 Sample : K2018-03
 Misc : 5.71g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-B

Quant Time: Mar 22 08:08:57 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	96390	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	133445	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	83277	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	43246	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	24029	34.63	ug/l	0.02
Spiked Amount			Recovery	=	69.26%	
35) Dibromofluoromethane	4.13	113	38611	43.09	ug/l	0.02
Spiked Amount			Recovery	=	86.18%	
50) Toluene-d8	7.57	98	90394	34.51	ug/l	0.02
Spiked Amount			Recovery	=	69.02%	
62) 4-Bromofluorobenzene	11.42	95	38324	36.83	ug/l	0.00
Spiked Amount			Recovery	=	73.66%	

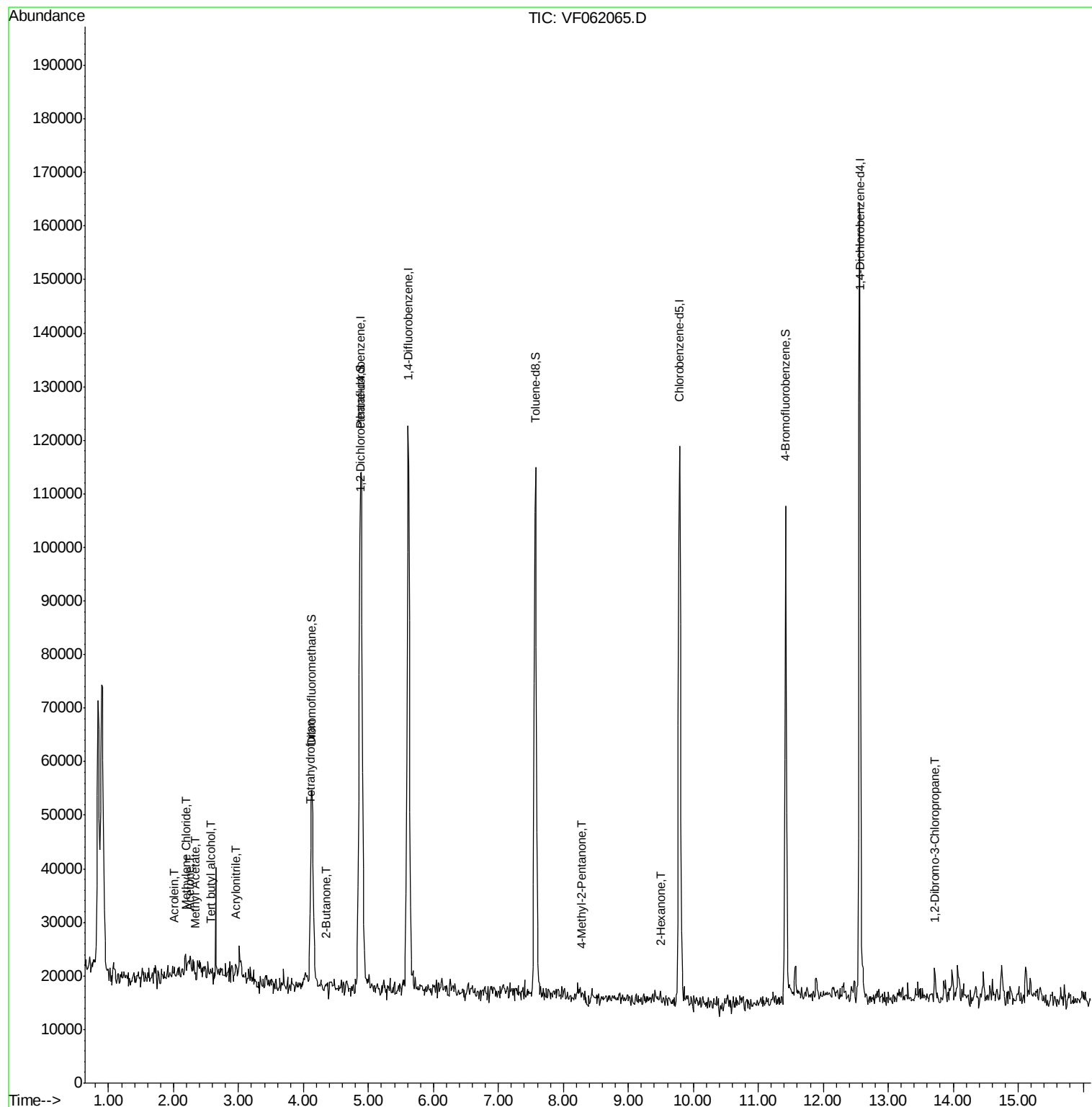
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	59	1.390	ug/l #	1
13) Acrolein	2.02	56	454	9.905	ug/l	97
15) Acrylonitrile	2.95	53	194	1.503	ug/l #	66
16) Acetone	2.27	43	1373	8.812	ug/l #	88
18) Methyl Acetate	2.34	43	398	1.127	ug/l #	53
20) Methylene Chloride	2.19	84	1543	1.898	ug/l	89
25) 2-Butanone	4.36	43	400	1.296	ug/l #	51
29) Tetrahydrofuran	4.10	42	141	1.051	ug/l #	33
51) 4-Methyl-2-Pentanone	8.28	43	624	1.373	ug/l	93
59) 2-Hexanone	9.50	43	786	2.389	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	94	1.188	ug/l #	41

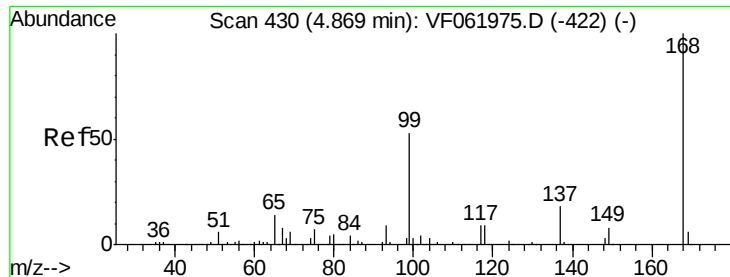
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062065.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
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: VF062065.D

Acq: 21 Mar 2019 17:23

Instrument :

MSVOA_F

ClientSampleId :

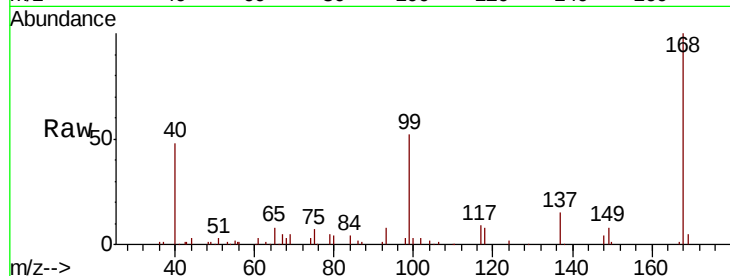
SP-1-B

Tgt Ion:168 Resp: 96390

Ion Ratio Lower Upper

168 100

99 52.0 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

30000

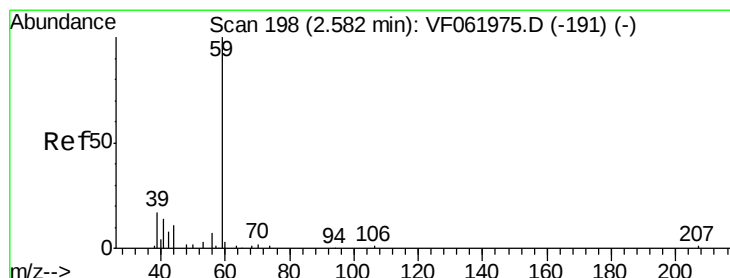
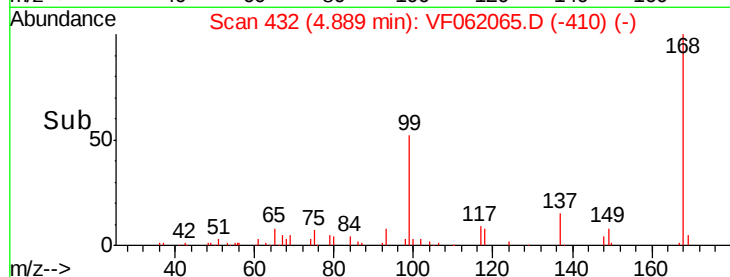
20000

10000

0

Time-->

4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.390 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062065.D

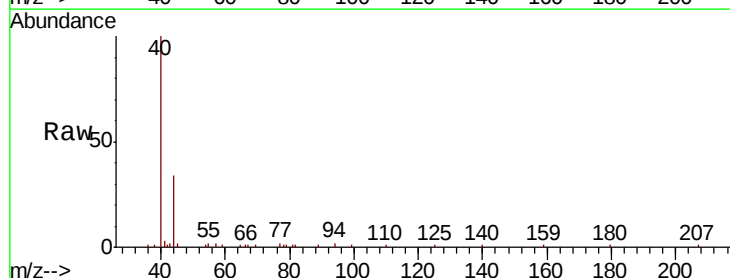
Acq: 21 Mar 2019 17:23

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 199.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

200

150

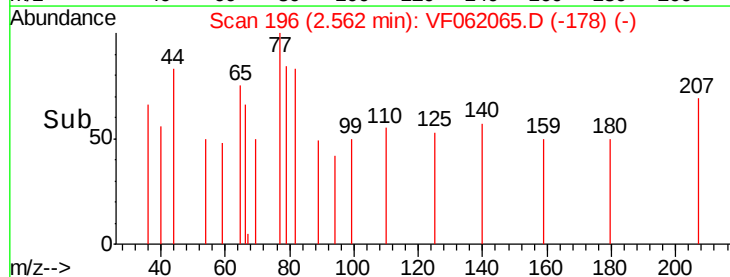
100

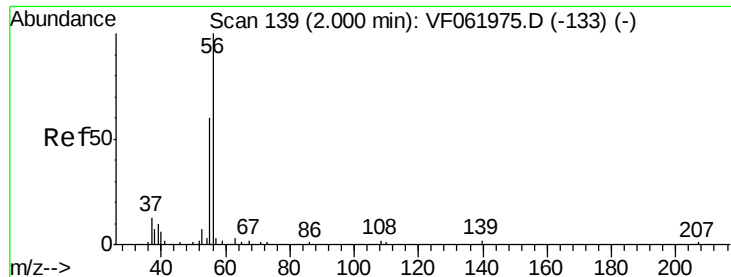
50

0

Time-->

2.54 2.56 2.58





#13

Acrolein

Concen: 9.905 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.02 min

Lab File: VF062065.D

Acq: 21 Mar 2019 17:23

Instrument :

MSVOA_F

ClientSampleId :

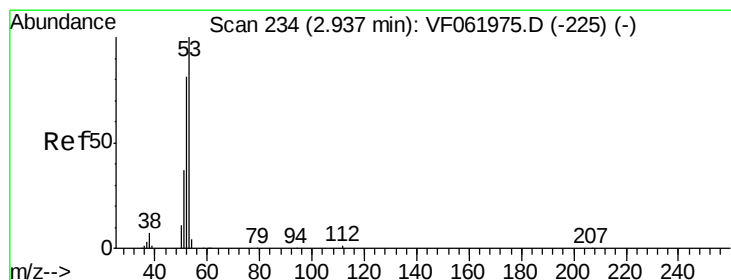
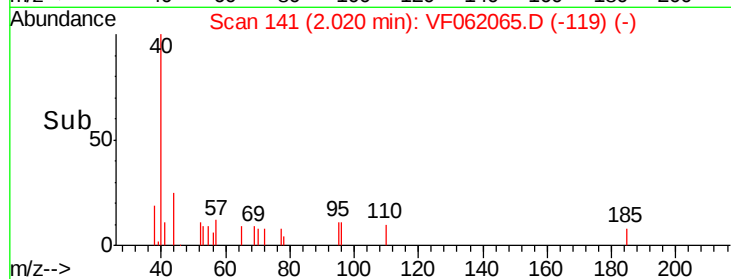
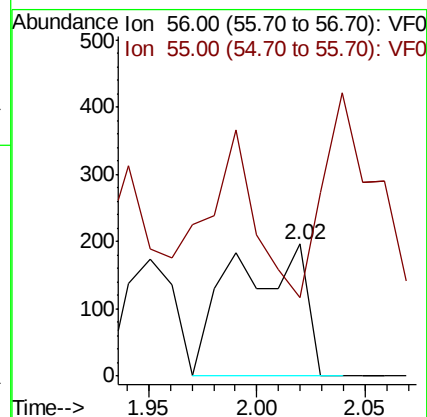
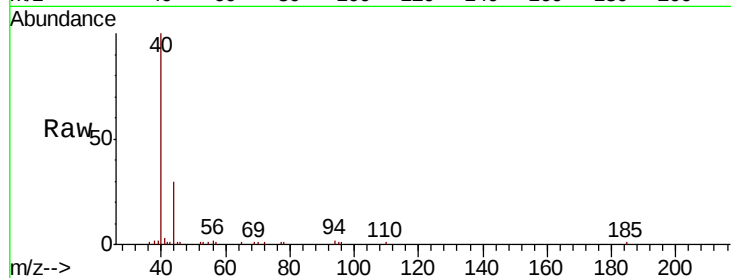
SP-1-B

Tgt Ion: 56 Resp: 454

Ion Ratio Lower Upper

56 100

55 59.2 49.1 73.7



#15

Acrylonitrile

Concen: 1.503 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF062065.D

Acq: 21 Mar 2019 17:23

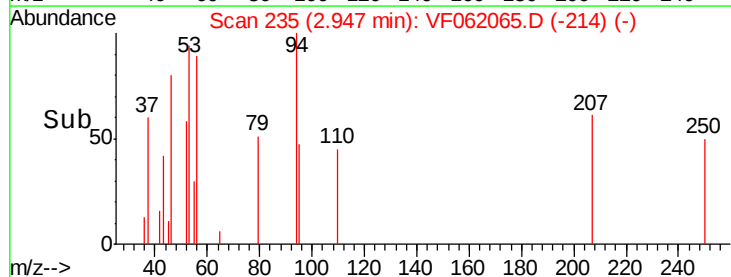
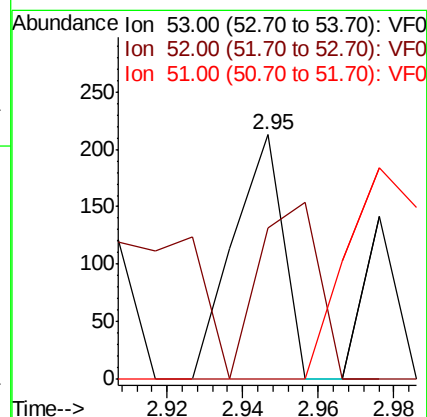
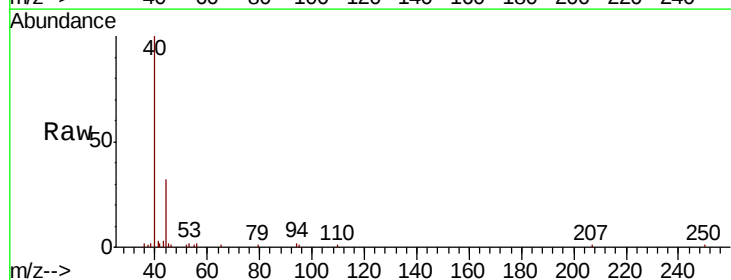
Tgt Ion: 53 Resp: 194

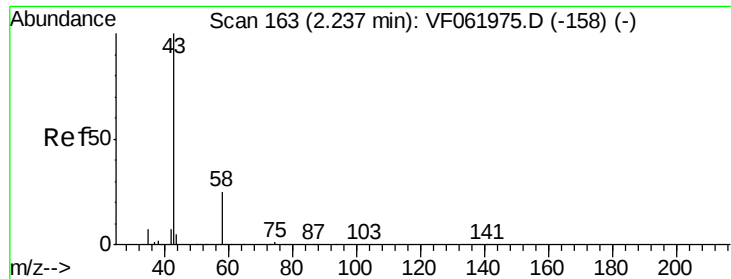
Ion Ratio Lower Upper

53 100

52 62.0 64.4 96.6#

51 0.0 30.3 45.5#





#16

Acetone

Concen: 8.812 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF062065.D

Acq: 21 Mar 2019 17:23

Instrument :

MSVOA_F

ClientSampleId :

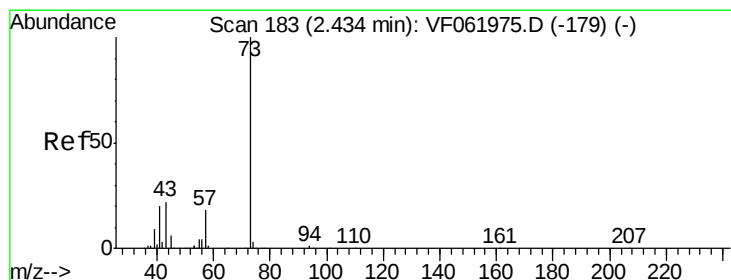
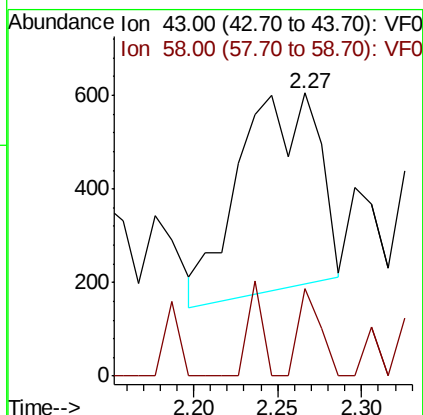
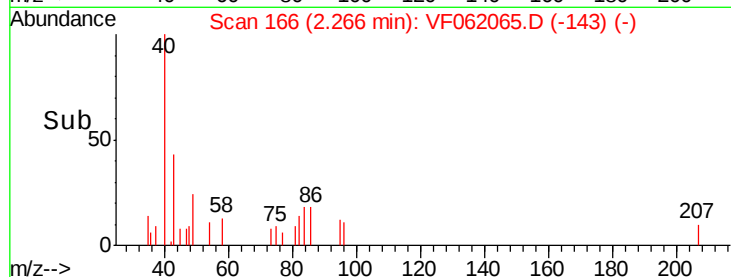
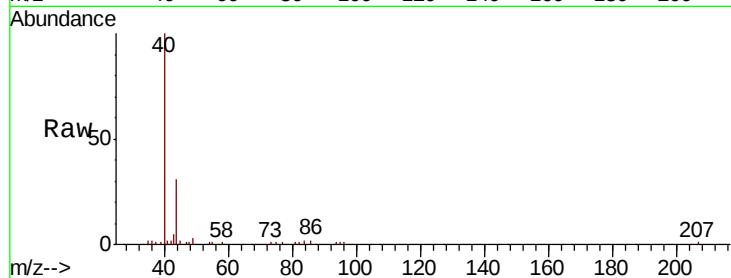
SP-1-B

Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

43 100

58 30.7 19.9 29.9#



#18

Methyl Acetate

Concen: 1.127 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF062065.D

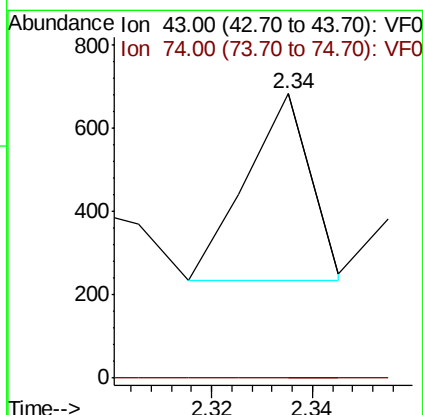
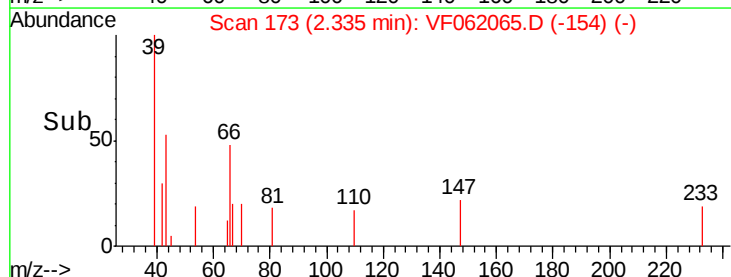
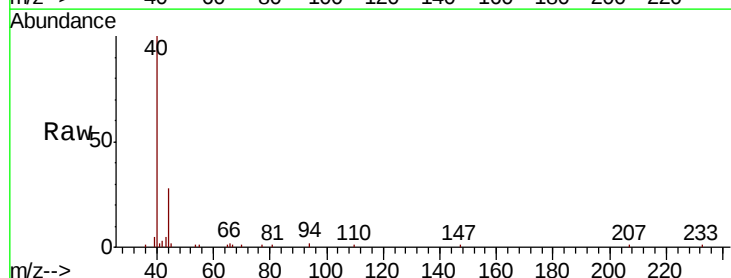
Acq: 21 Mar 2019 17:23

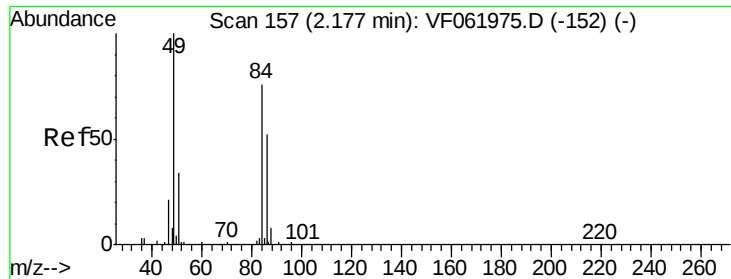
Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#

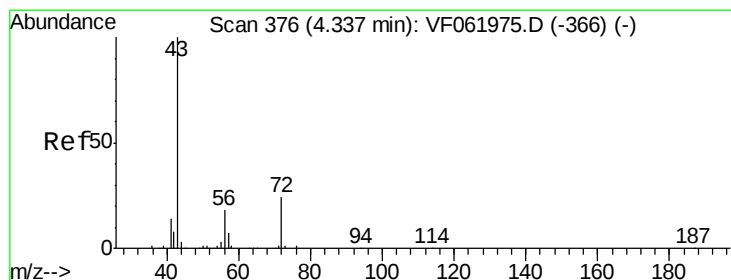
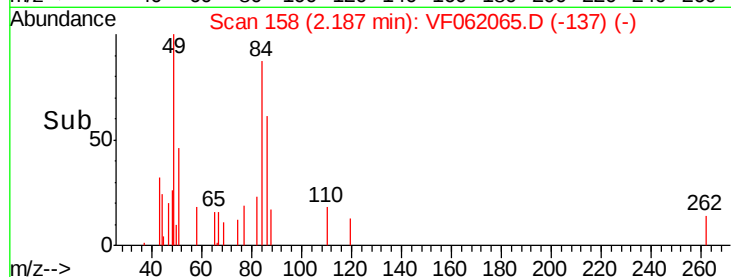
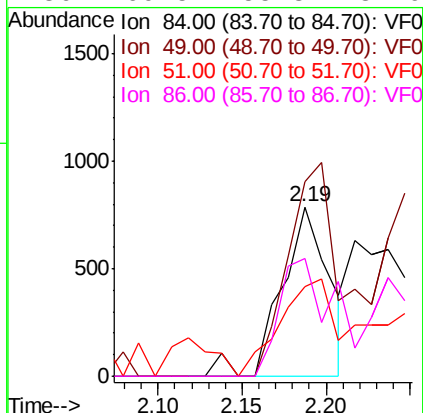
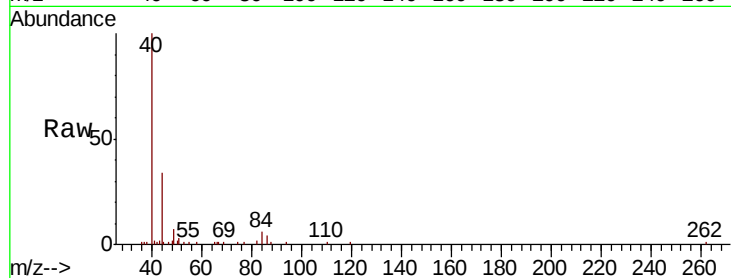




#20
Methylene Chloride
Concen: 1.898 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

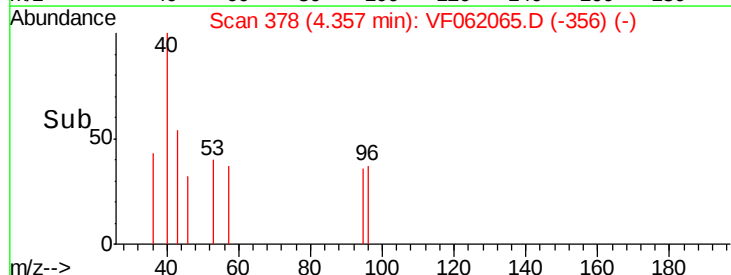
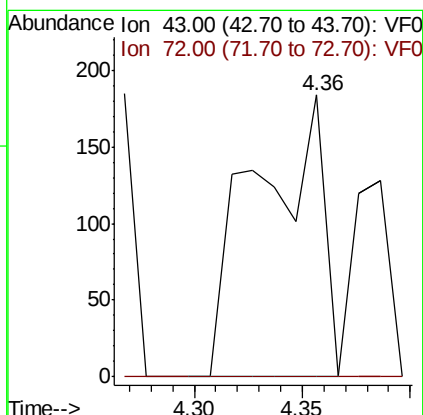
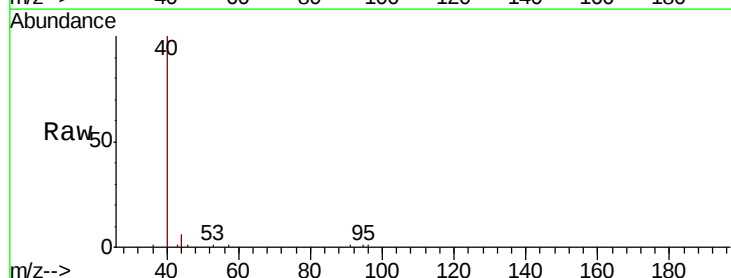
Instrument :
MSVOA_F
ClientSampled :
SP-1-B

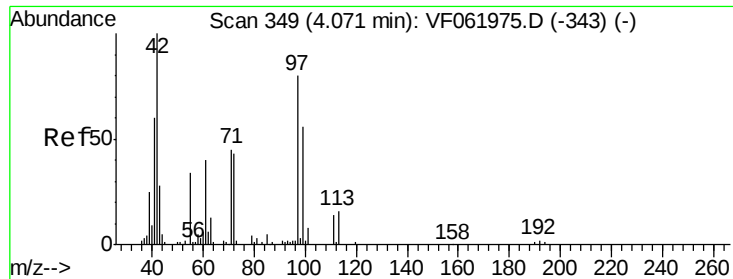
Tgt Ion: 84 Resp: 1543
Ion Ratio Lower Upper
84 100
49 114.7 107.0 160.6
51 52.7 37.2 55.8
86 69.5 55.3 82.9



#25
2-Butanone
Concen: 1.296 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#

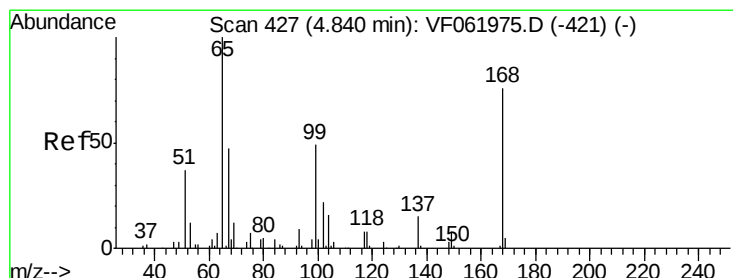
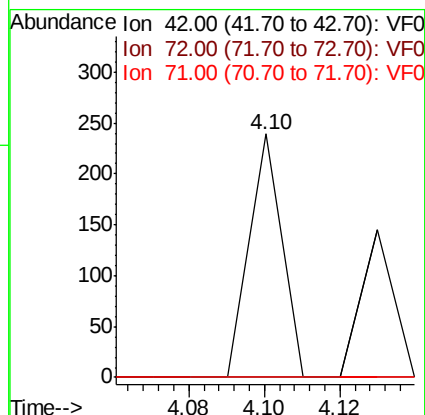
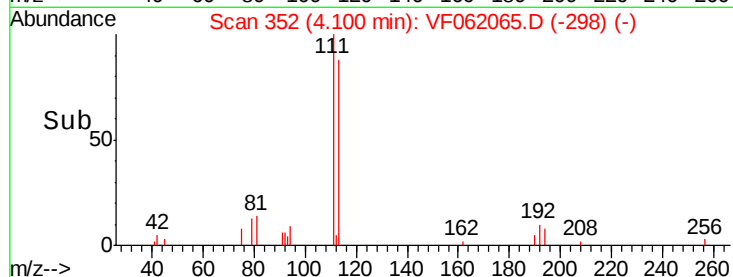
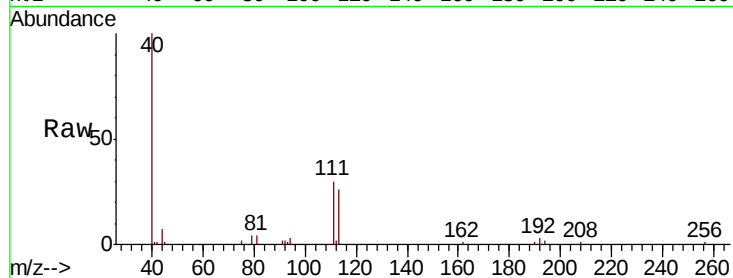




#29
Tetrahydrofuran
Concen: 1.051 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.03 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

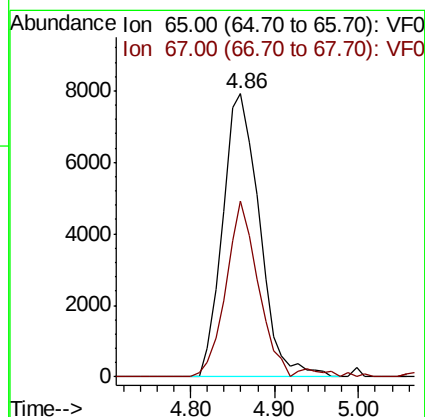
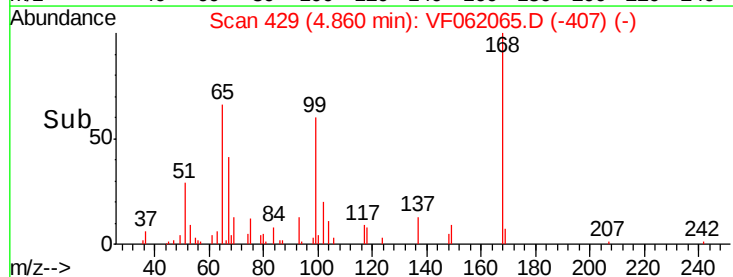
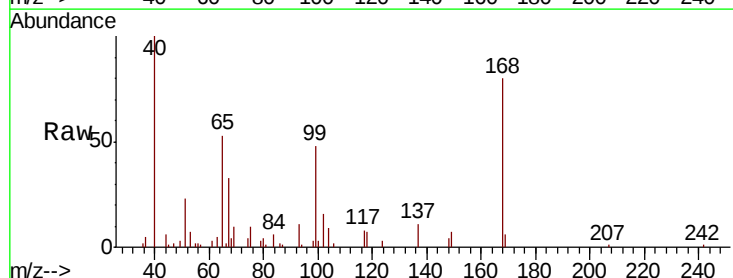
Instrument :
MSVOA_F
ClientSampleId :
SP-1-B

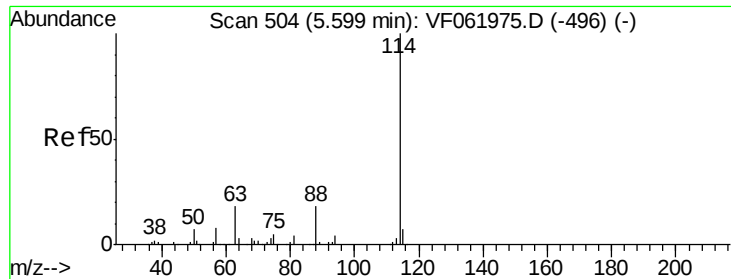
Tgt Ion: 42 Resp: 141
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 34.631 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

Tgt Ion: 65 Resp: 24029
Ion Ratio Lower Upper
65 100
67 62.2 0.0 109.4

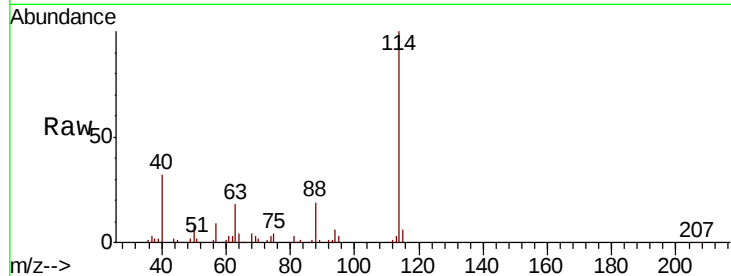




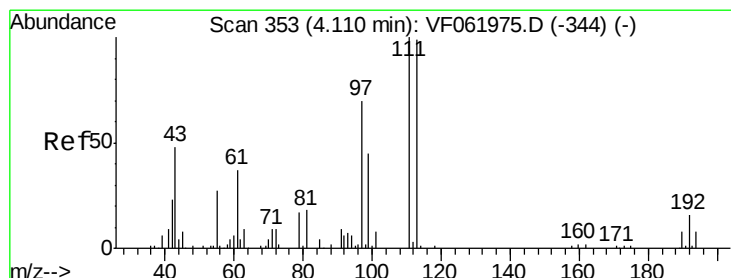
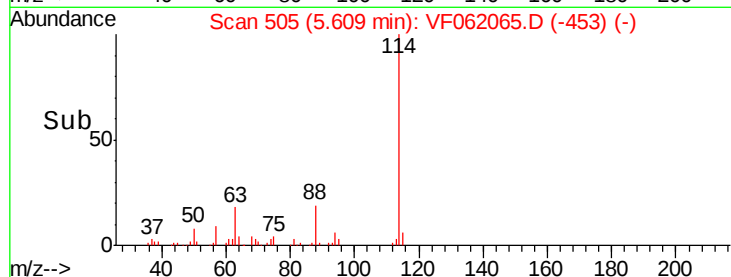
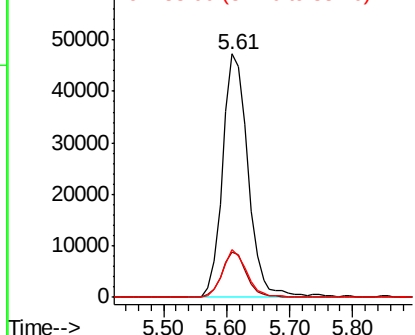
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF062065.D
 Acq: 21 Mar 2019 17:23

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-B

Tgt Ion:114 Resp: 133445
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 19.4 0.0 36.4

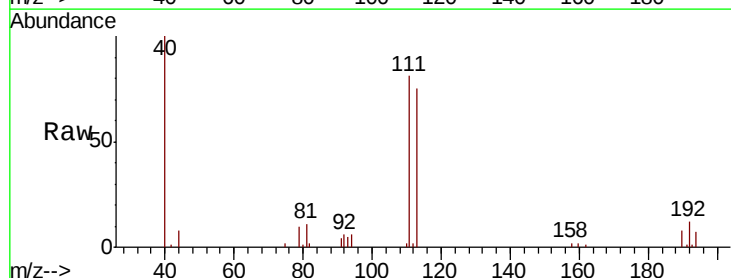


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

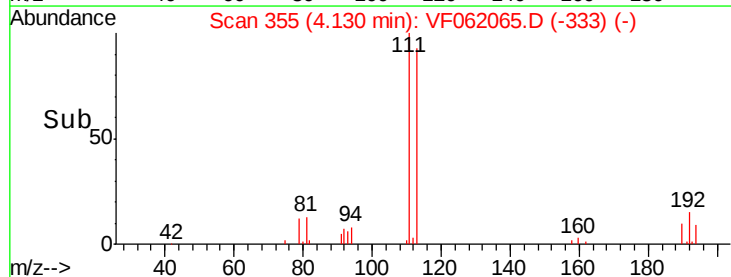
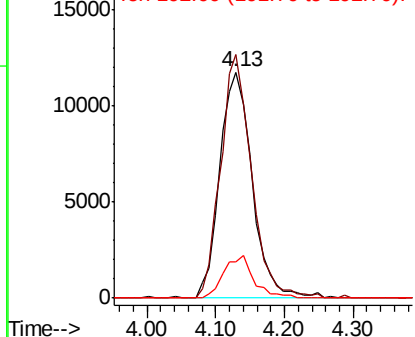


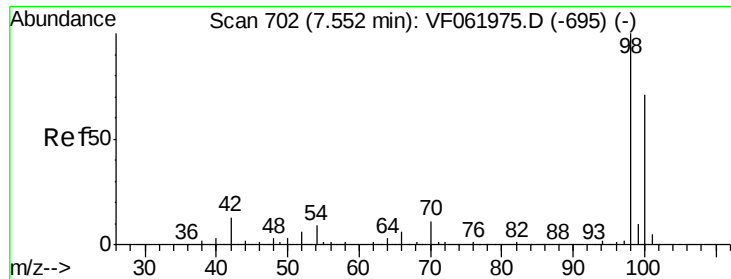
#35
 Dibromofluoromethane
 Concen: 43.087 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF062065.D
 Acq: 21 Mar 2019 17:23

Tgt Ion:113 Resp: 38611
 Ion Ratio Lower Upper
 113 100
 111 107.6 80.8 121.2
 192 17.3 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

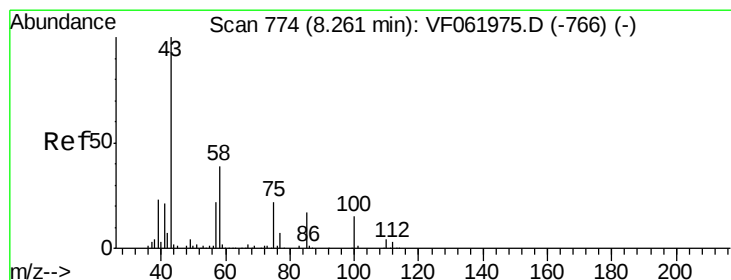
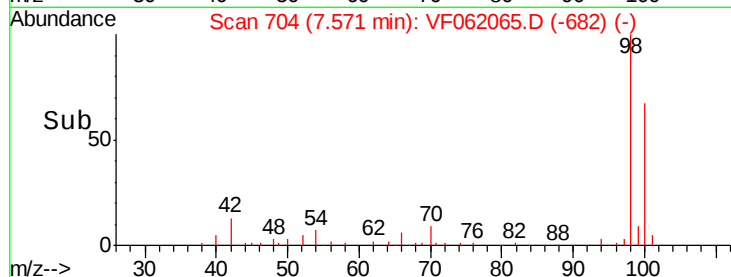
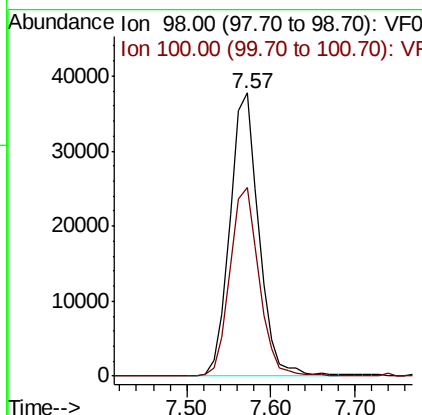
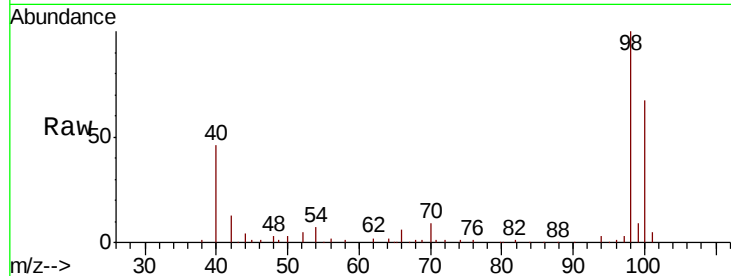




#50
Toluene-d8
Concen: 34.507 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

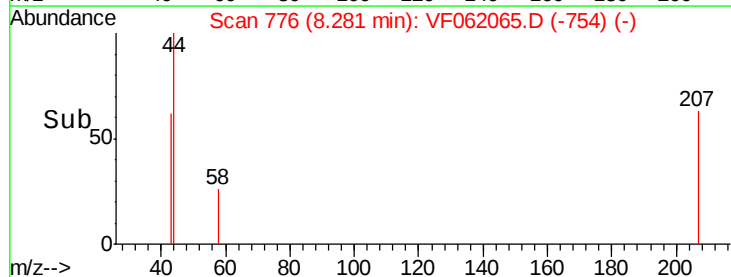
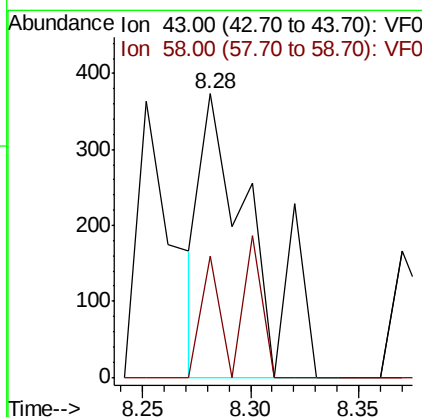
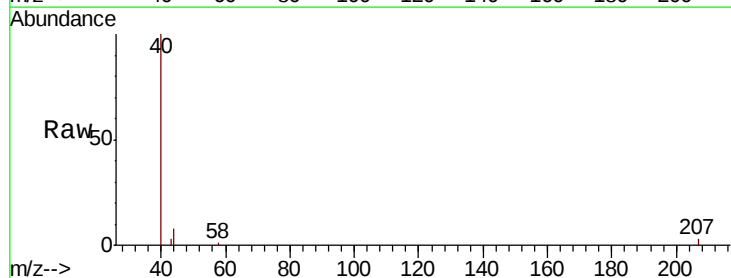
Instrument :
MSVOA_F
ClientSampled :
SP-1-B

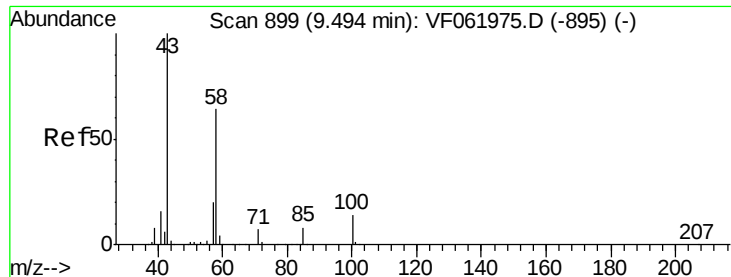
Tgt Ion: 98 Resp: 90394
Ion Ratio Lower Upper
98 100
100 66.5 56.8 85.2



#51
4-Methyl-2-Pentanone
Concen: 1.373 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.02 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 42.9 31.1 46.7

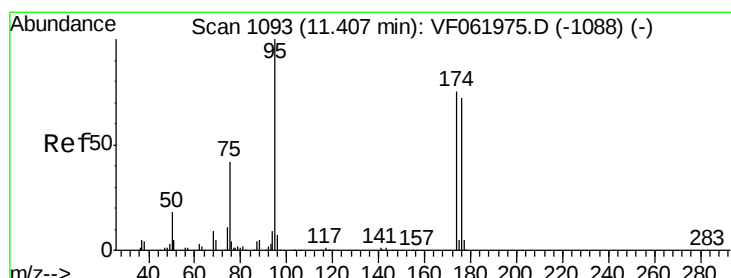
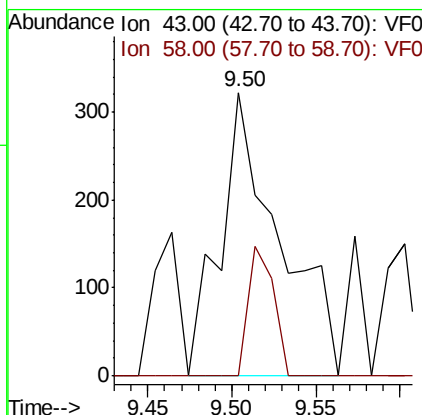
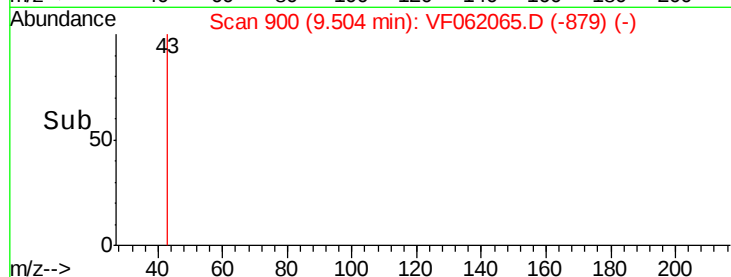
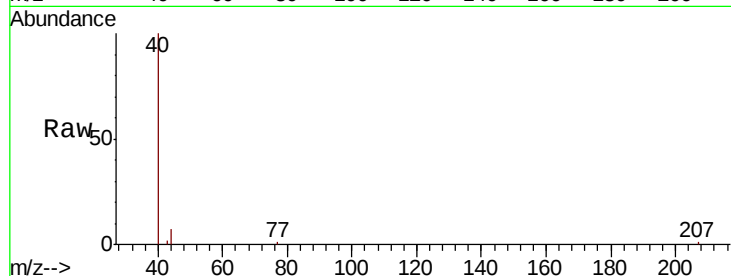




#59
2-Hexanone
Concen: 2.389 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

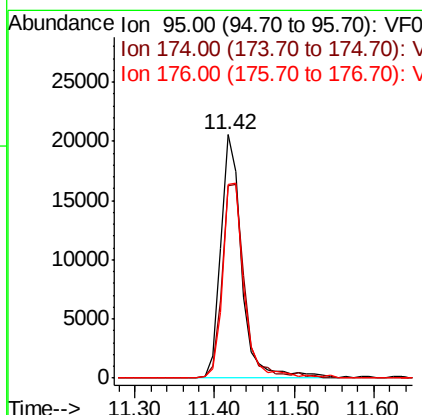
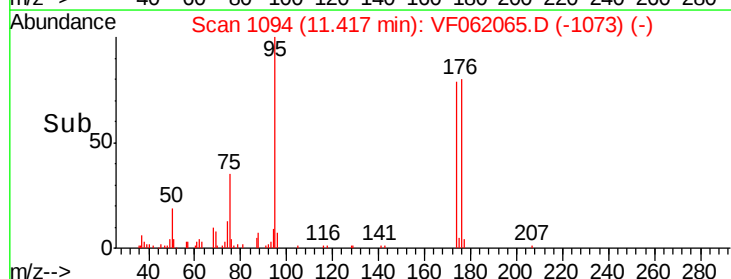
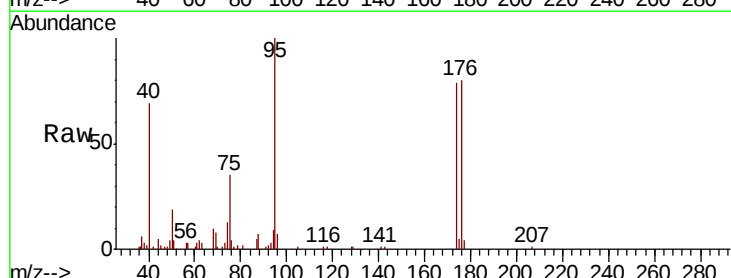
Instrument :
MSVOA_F
ClientSampled :
SP-1-B

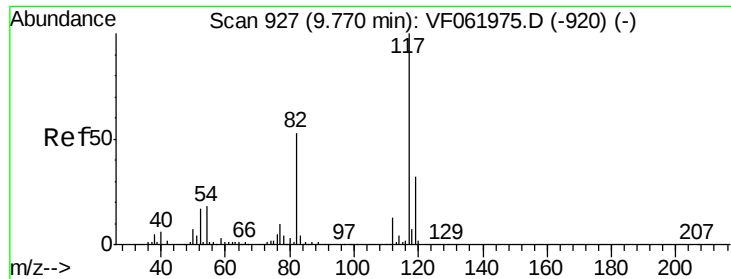
Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 36.827 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

Tgt Ion: 95 Resp: 38324
Ion Ratio Lower Upper
95 100
174 78.9 0.0 149.4
176 79.7 0.0 143.4

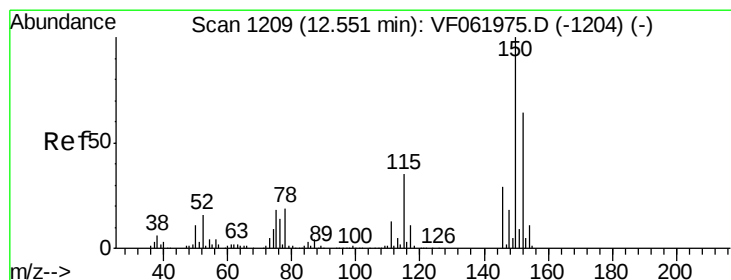
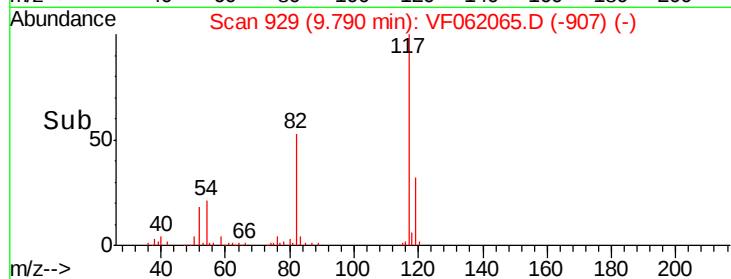
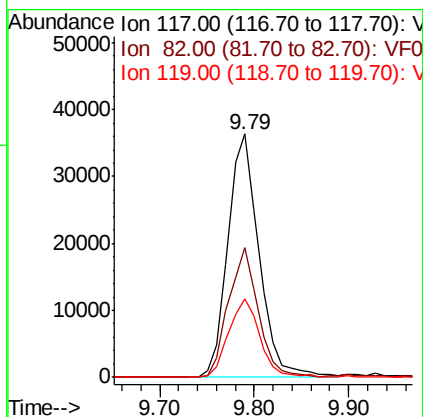
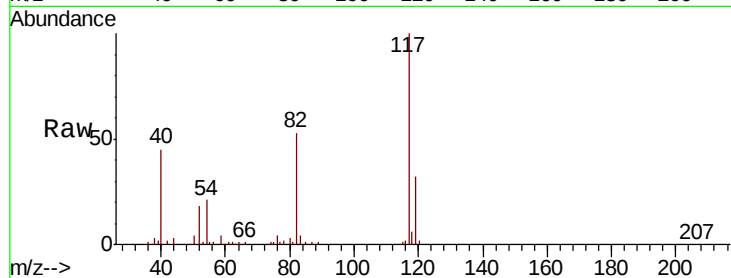




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

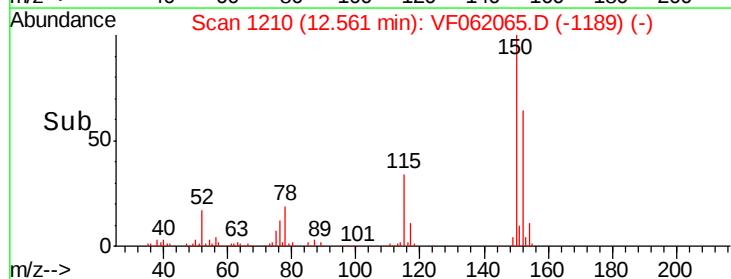
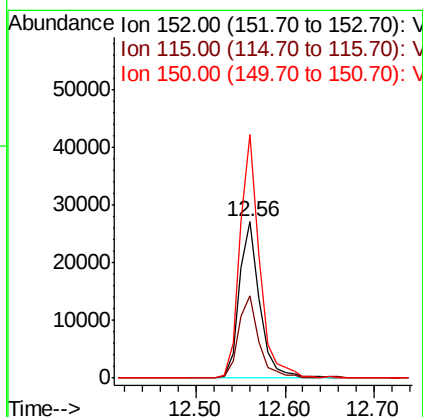
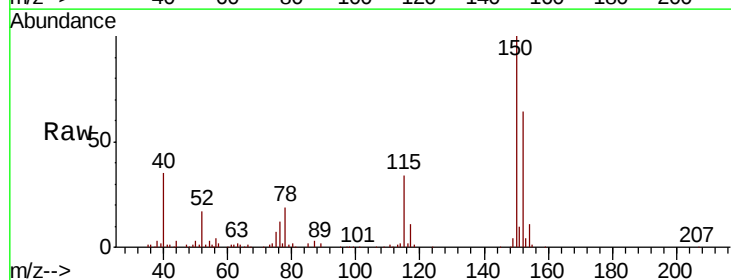
Instrument :
MSVOA_F
ClientSampleId :
SP-1-B

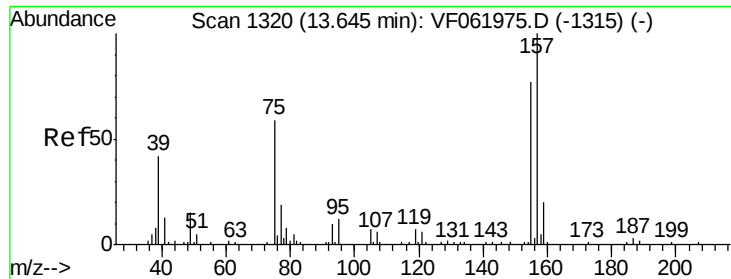
Tgt Ion:117 Resp: 83277
Ion Ratio Lower Upper
117 100
82 53.1 42.5 63.7
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF062065.D
Acq: 21 Mar 2019 17:23

Tgt Ion:152 Resp: 43246
Ion Ratio Lower Upper
152 100
115 52.9 27.3 81.9
150 155.8 0.0 316.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.188 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. 0.06 min

Lab File: VF062065.D

Acq: 21 Mar 2019 17:23

Instrument :

MSVOA_F

ClientSampleId :

SP-1-B

Tgt Ion: 75 Resp: 94

Ion Ratio Lower Upper

75 100

155 84.3 65.0 195.1

157 67.3 84.7 254.0#

