

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061168.D
 Acq On : 24 Dec 2018 16:38
 Operator : VA/AP
 Sample : J6511-07RE
 Misc : 2.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 23:48:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	1449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	1809	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	382	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
35) Dibromofluoromethane	4.12	113	675	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	7.56	98	938	22.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.68%	
62) 4-Bromofluorobenzene	11.50	95	74	3.91	ug/l	0.09
Spiked Amount	50.000		Recovery	=	7.82%	

Target Compounds

						Qvalue
3) Chloromethane	1.10	50	107	5.799	ug/l #	42
5) Bromomethane	1.34	94	412	34.705	ug/l #	3
6) Chloroethane	1.40	64	65	8.242	ug/l #	1
8) Diethyl Ether	1.65	74	65	14.524	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.71	101	76	4.485	ug/l #	21
11) Tert butyl alcohol	2.56	59	65	86.429	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	76	5.950	ug/l #	1
13) Acrolein	1.99	56	398	732.375	ug/l #	52
14) Allyl chloride	2.08	41	454	34.155	ug/l #	87
15) Acrylonitrile	2.91	53	294	169.056	ug/l #	14
16) Acetone	2.25	43	1586	425.696	ug/l #	66
17) Carbon Disulfide	1.87	76	138	3.575	ug/l #	68
18) Methyl Acetate	2.36	43	437	56.694	ug/l #	66
19) Methyl tert-butyl Ether	2.44	73	88	3.104	ug/l #	59
20) Methylene Chloride	2.19	84	66	1.156	ug/l #	34
21) trans-1,2-Dichloroethene	2.31	96	67	4.904	ug/l #	1
22) Diisopropyl ether	2.77	45	421	9.508	ug/l #	1
23) Vinyl Acetate	3.27	43	1374	67.267	ug/l #	78
24) 1,1-Dichloroethane	2.86	63	182	6.938	ug/l #	88
25) 2-Butanone	4.30	43	329	54.449	ug/l #	57
26) 2,2-Dichloropropane	3.63	77	130	8.635	ug/l #	62
27) cis-1,2-Dichloroethene	3.53	96	69	3.299	ug/l	1
28) Bromochloromethane	3.82	49	105	7.888	ug/l #	10
29) Tetrahydrofuran	4.08	42	194	78.885	ug/l #	37
31) Cyclohexane	3.66	56	63	2.314	ug/l #	15
37) Ethyl Acetate	4.08	43	594	77.344	ug/l #	21
40) Benzene	4.53	78	66	1.406	ug/l #	49
41) Methacrylonitrile	4.76	41	311	67.440	ug/l #	27
43) Isopropyl Acetate	6.96	43	71	6.734	ug/l #	45
48) Methyl methacrylate	6.74	41	277	37.634	ug/l #	19
51) 4-Methyl-2-Pentanone	8.30	43	250	34.574	ug/l #	38
53) t-1,3-Dichloropropene	8.34	75	68	3.915	ug/l #	42
59) 2-Hexanone	9.49	43	100	19.123	ug/l #	27
65) Chlorobenzene	9.78	112	63	10.165	ug/l #	40

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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

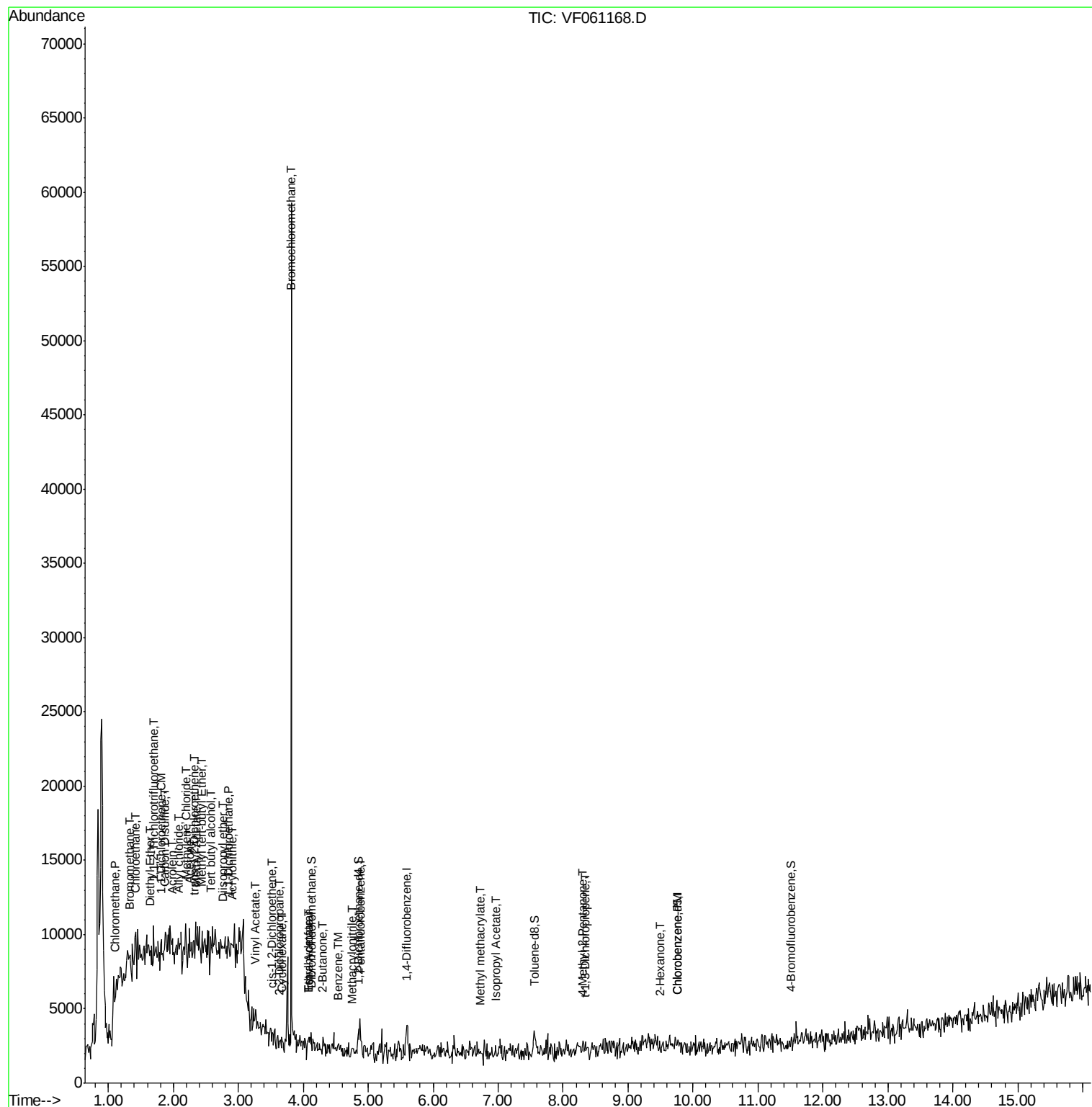
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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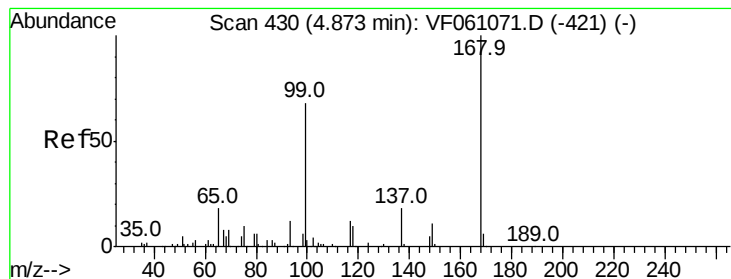
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

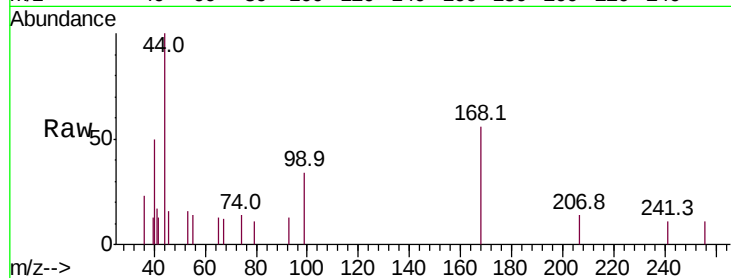
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 1449

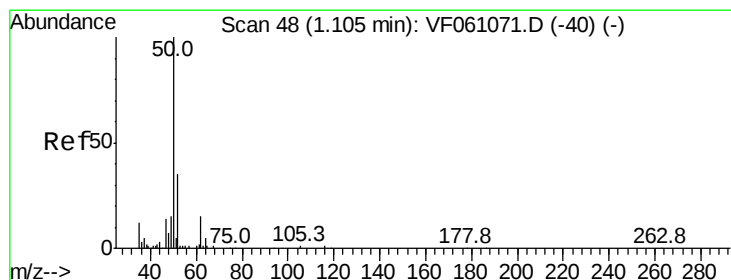
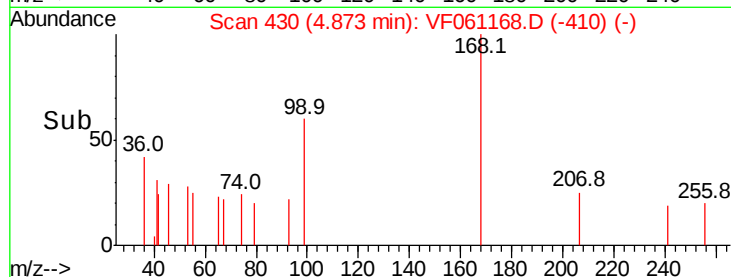
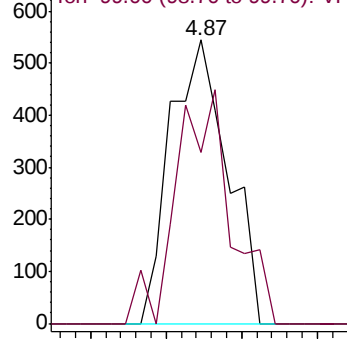
Ion Ratio Lower Upper

168 100

99 60.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 5.799 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061168.D

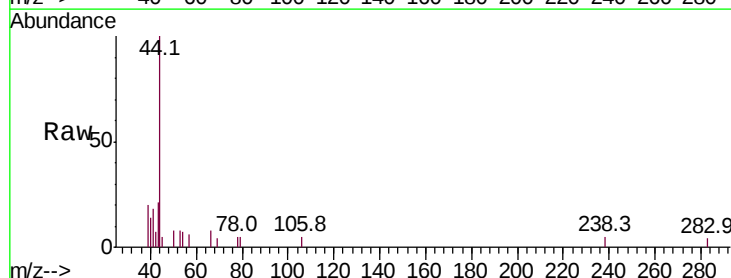
Acq: 24 Dec 2018 16:38

Tgt Ion: 50 Resp: 107

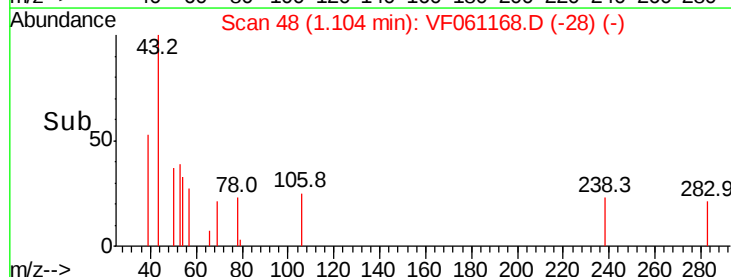
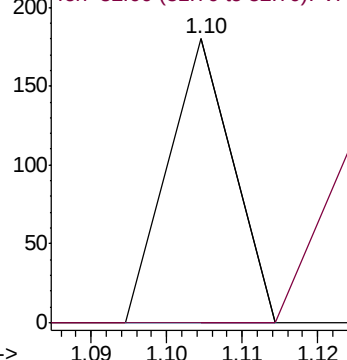
Ion Ratio Lower Upper

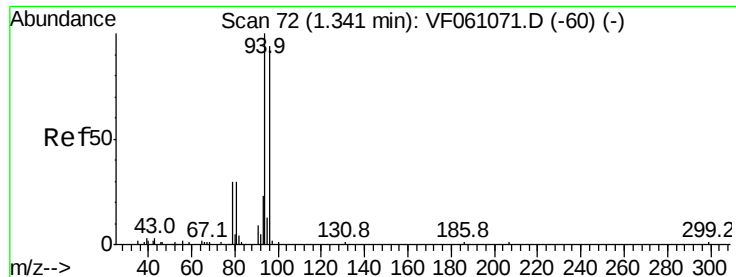
50 100

52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#5

Bromomethane

Concen: 34.705 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_F

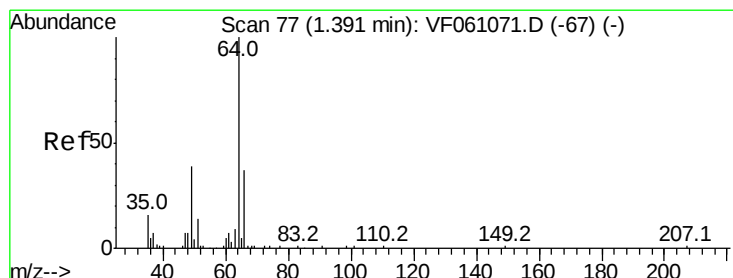
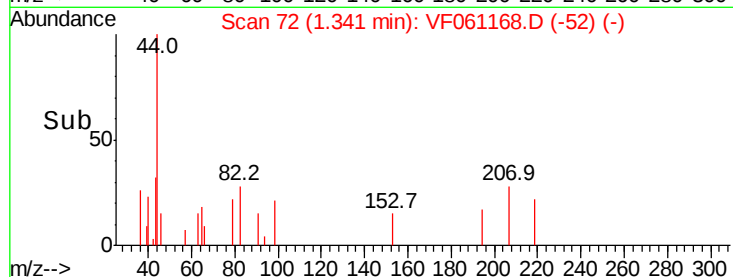
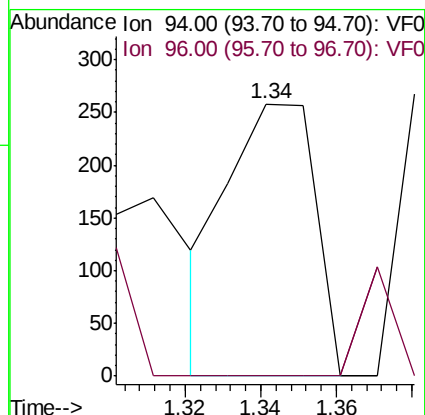
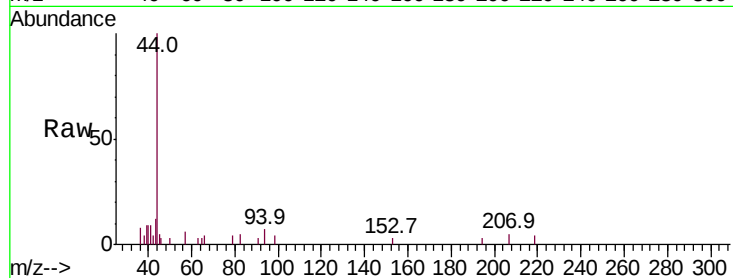
ClientSampleId :

Tot Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 0.0 74.4 111.6#



#6

Chloroethane

Concen: 8.242 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061168.D

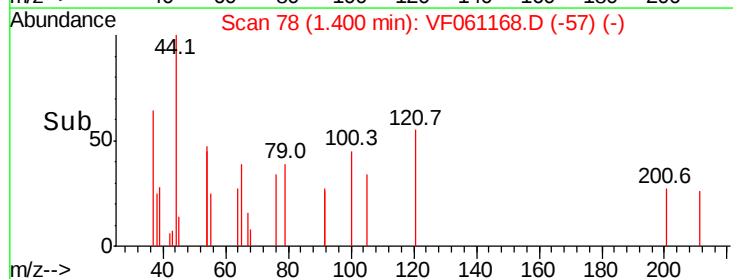
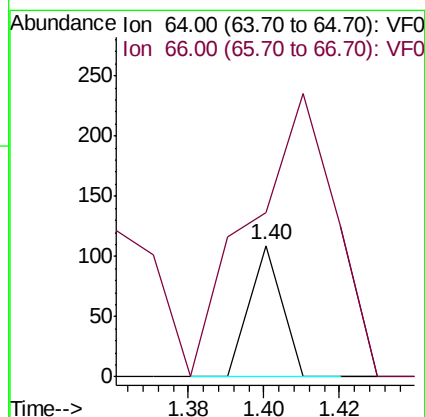
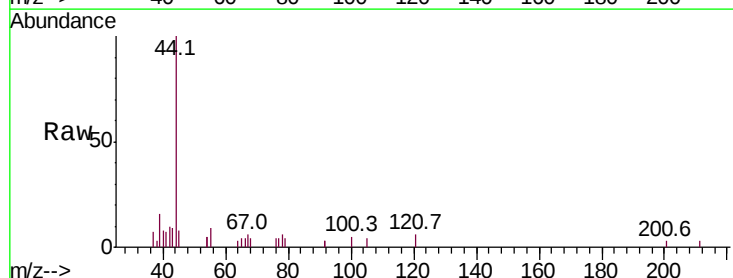
Acq: 24 Dec 2018 16:38

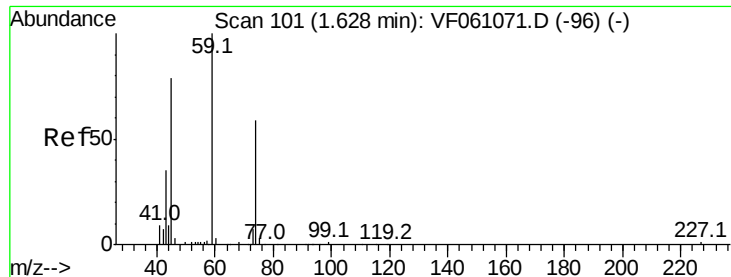
Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

64 100

66 124.8 30.9 46.3#





#8

Diethyl Ether

Concen: 14.524 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.02 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

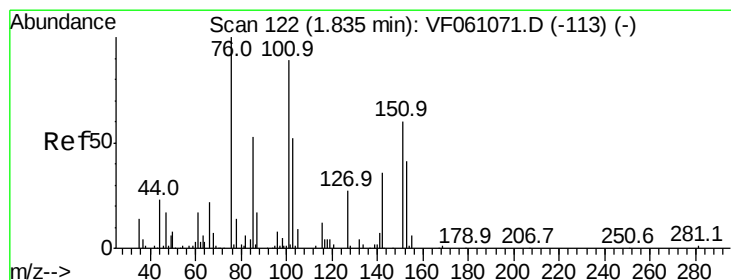
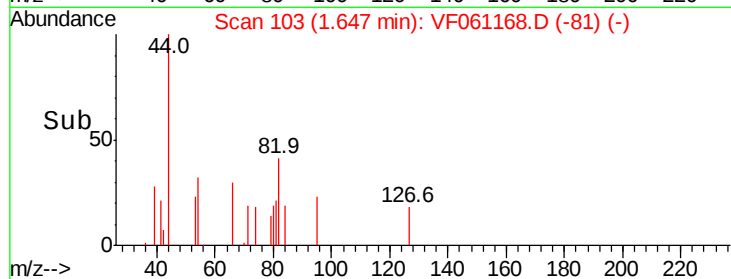
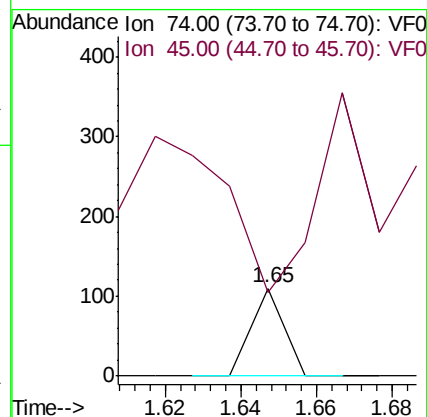
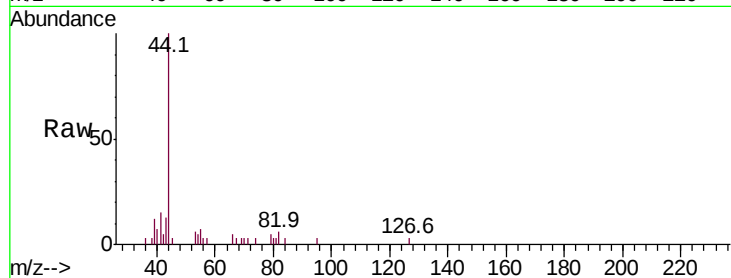
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 74 Resp: 65

Ion Ratio Lower Upper

74 100

45 94.5 67.8 203.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.485 ug/l

RT: 1.71 min Scan# 109

Delta R.T. -0.13 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

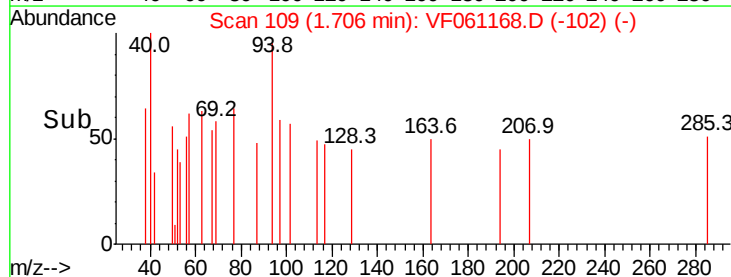
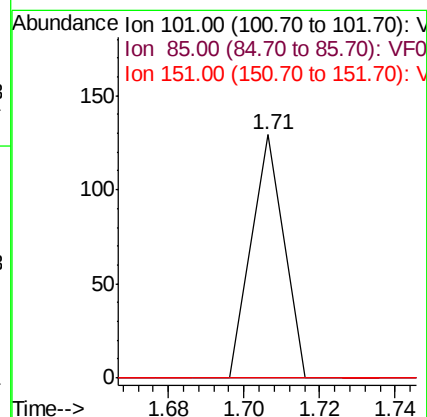
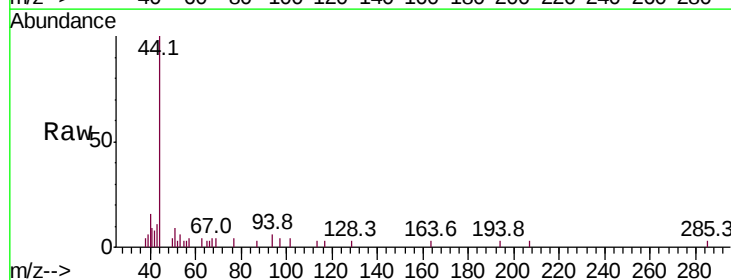
Tgt Ion: 101 Resp: 76

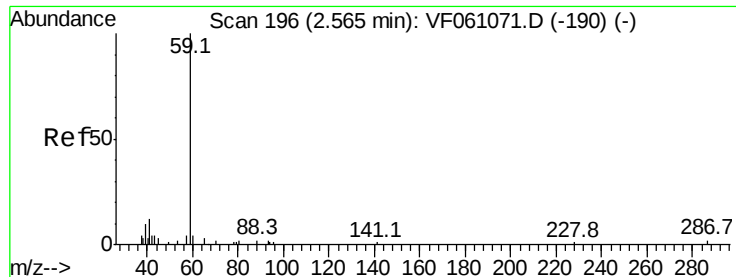
Ion Ratio Lower Upper

101 100

85 0.0 44.5 66.7#

151 0.0 49.9 74.9#

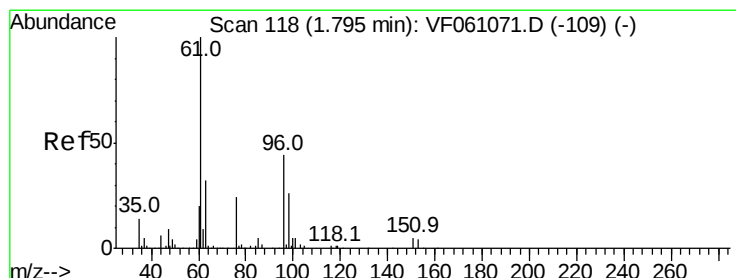
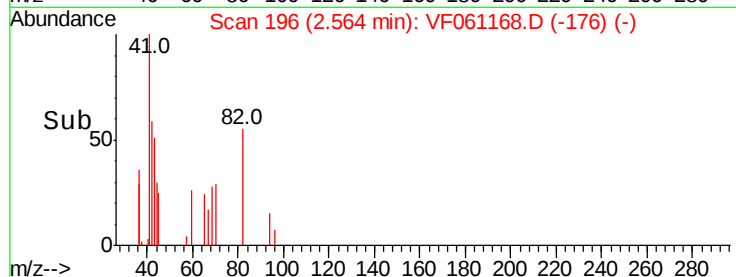
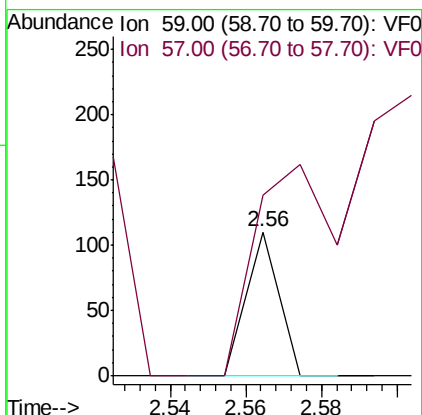
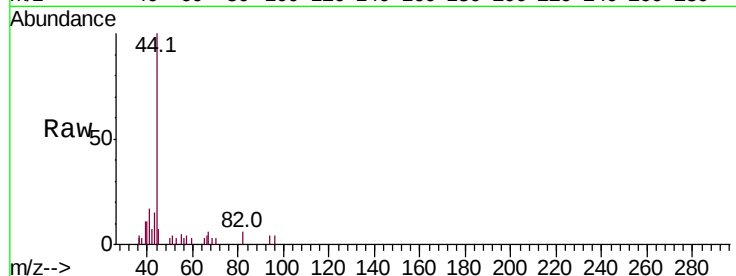




#11
Tert butyl alcohol
Concen: 86.429 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

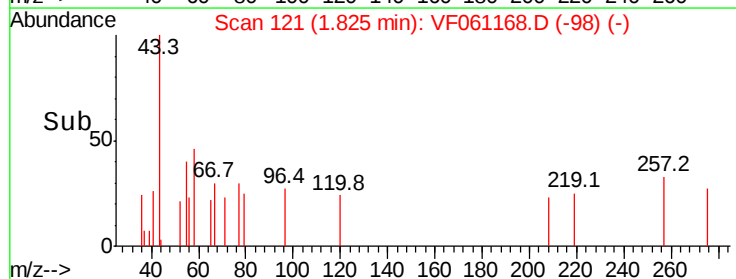
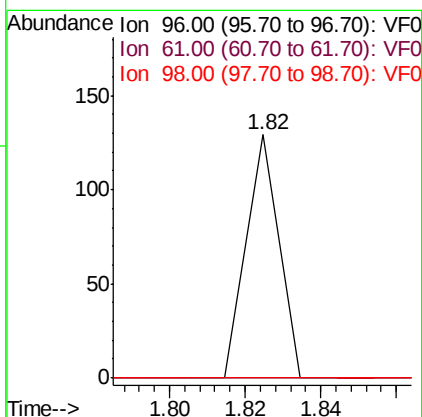
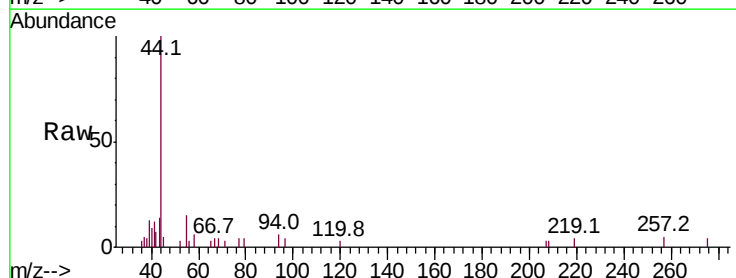
Instrument :
MSVOA_F
ClientSampled :

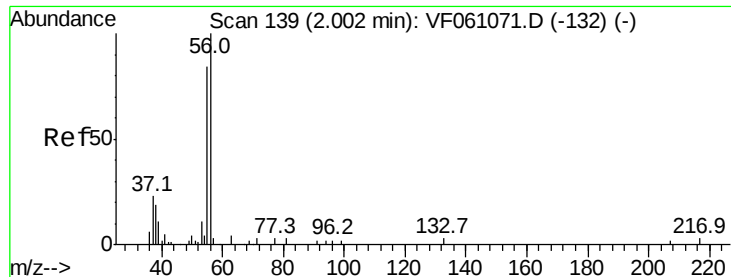
Tot Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 125.5 11.5 17.3#



#12
1,1-Dichloroethene
Concen: 5.950 ug/l
RT: 1.82 min Scan# 121
Delta R.T. 0.03 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

Tgt Ion: 96 Resp: 76
Ion Ratio Lower Upper
96 100
61 0.0 182.0 273.0#
98 0.0 46.5 69.7#





#13

Acrolein

Concen: 732.375 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

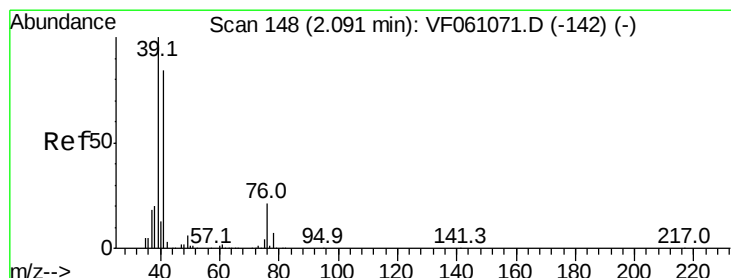
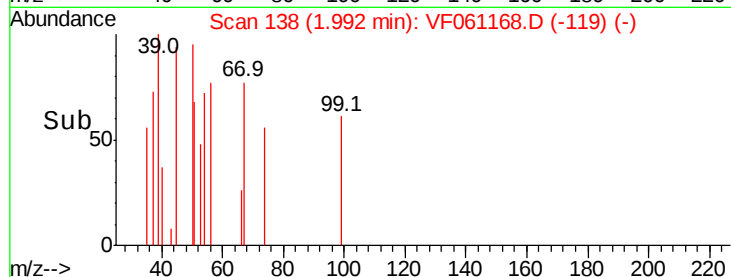
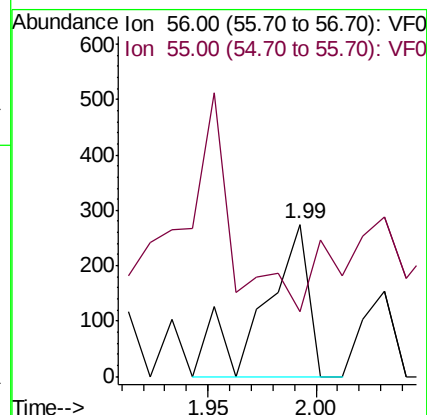
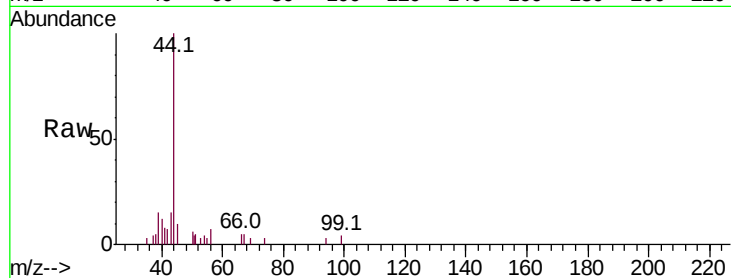
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 42.9 70.2 105.2#



#14

Allyl chloride

Concen: 34.155 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

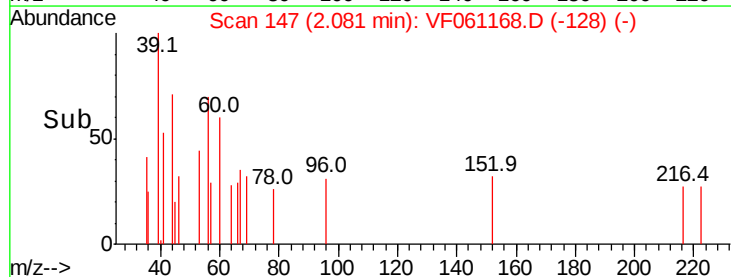
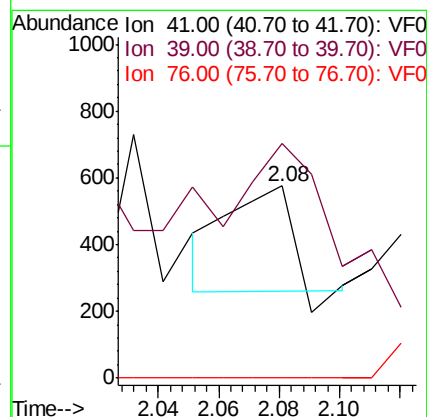
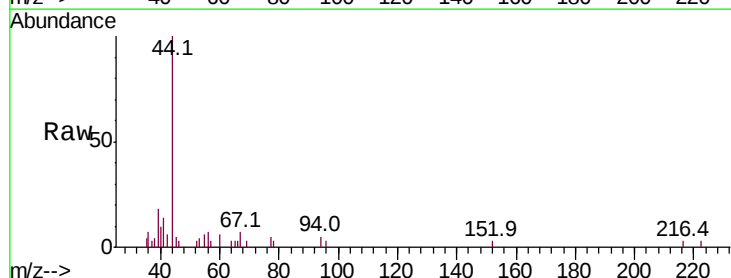
Tgt Ion: 41 Resp: 454

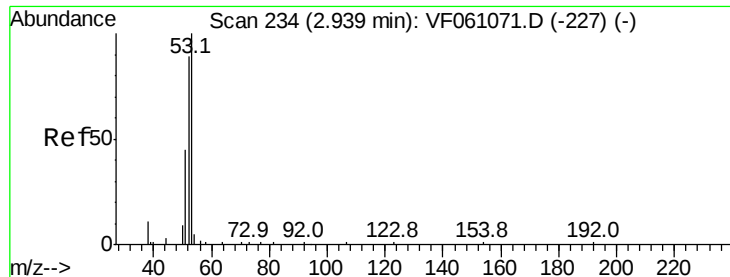
Ion Ratio Lower Upper

41 100

39 122.3 96.4 144.6

76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 169.056 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.03 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :

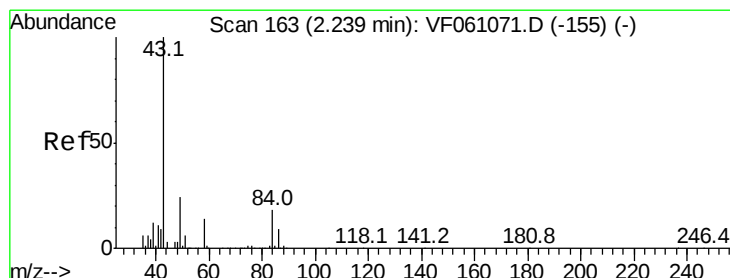
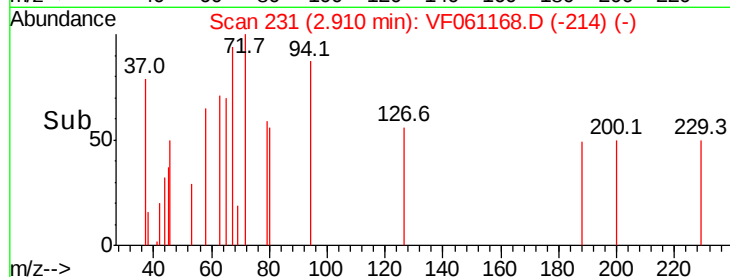
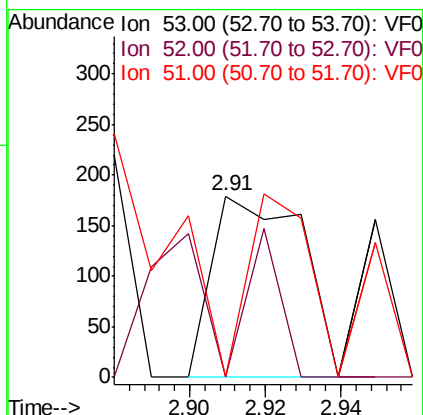
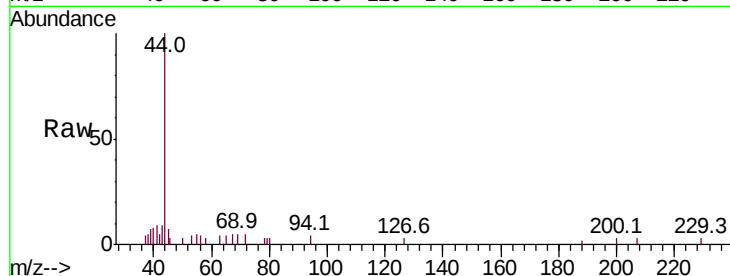
Tot Ion: 53 Resp: 294

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 0.0 36.8 55.2#



#16

Acetone

Concen: 425.696 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061168.D

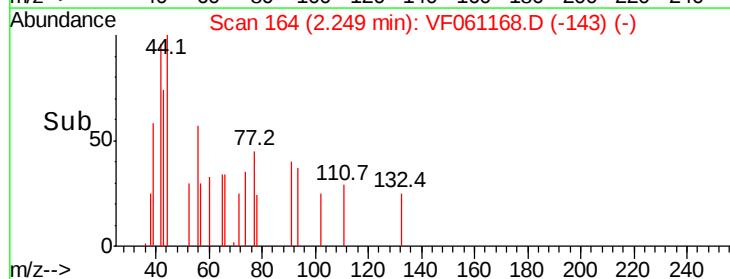
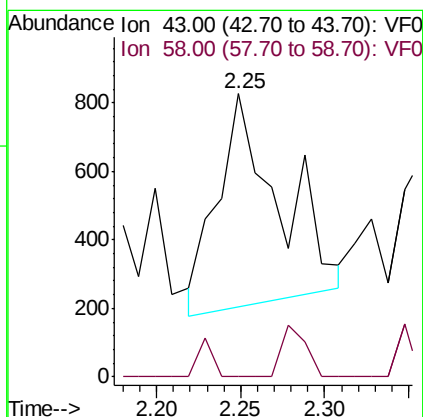
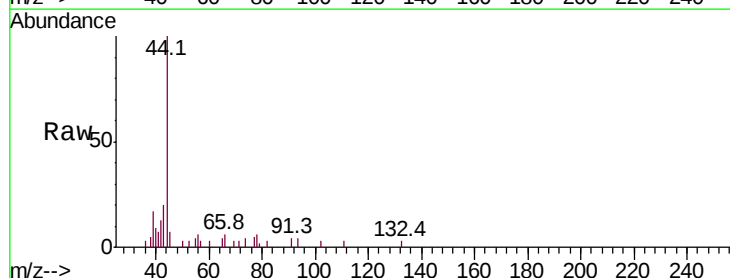
Acq: 24 Dec 2018 16:38

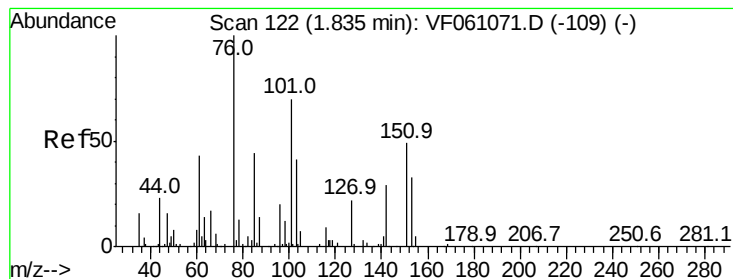
Tgt Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

58 0.0 11.1 16.7#





#17

Carbon Disulfide

Concen: 3.575 ug/l

RT: 1.87 min Scan# 126

Delta R.T. 0.04 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

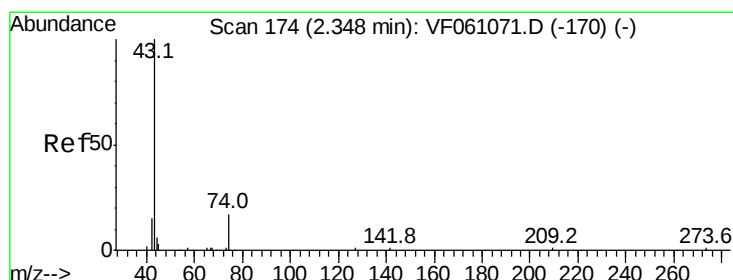
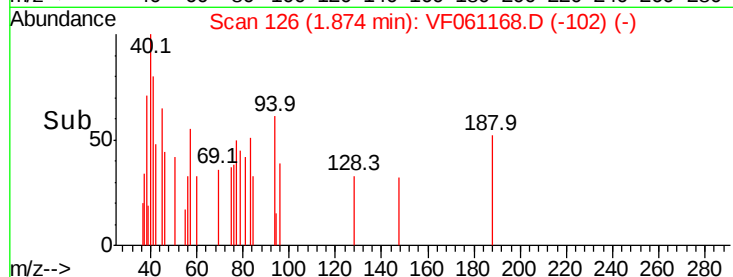
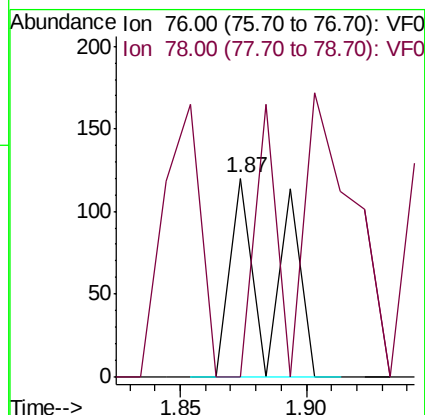
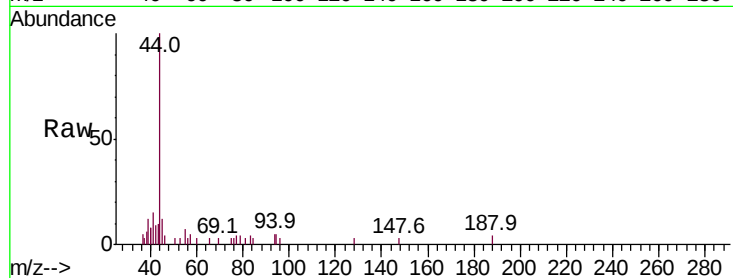
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 138

Ion Ratio Lower Upper

76 100

78 0.0 10.2 15.4#



#18

Methyl Acetate

Concen: 56.694 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061168.D

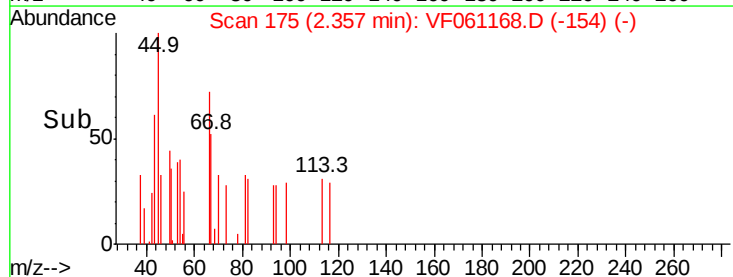
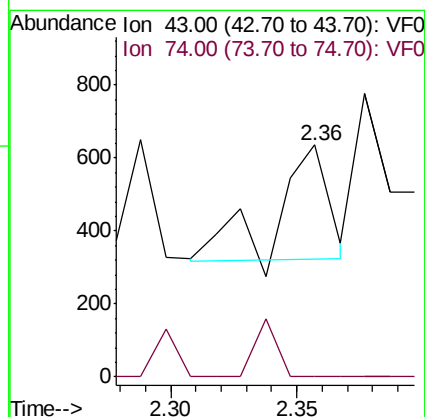
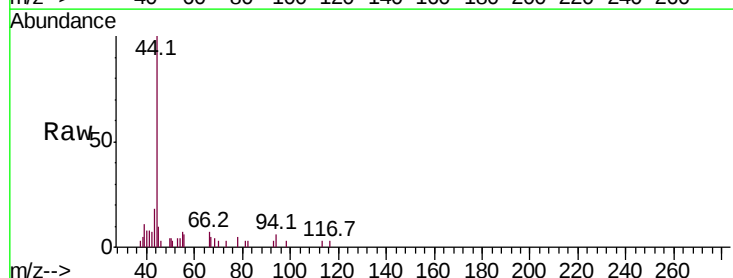
Acq: 24 Dec 2018 16:38

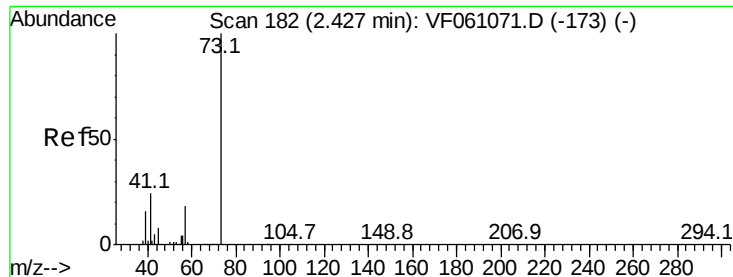
Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

74 0.0 11.0 16.6#





#19

Methyl tert-butyl Ether

Concen: 3.104 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.01 min

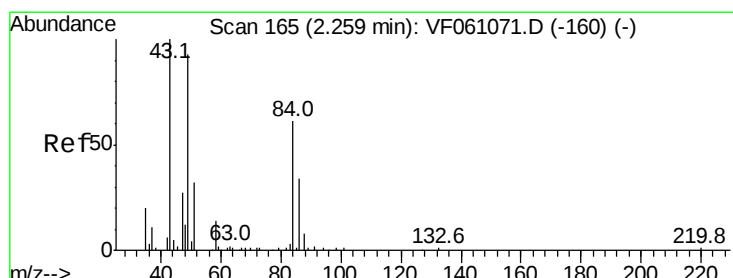
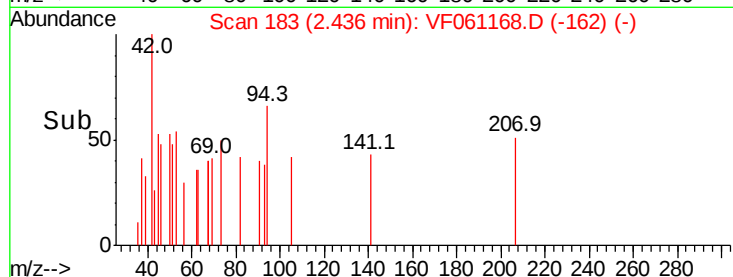
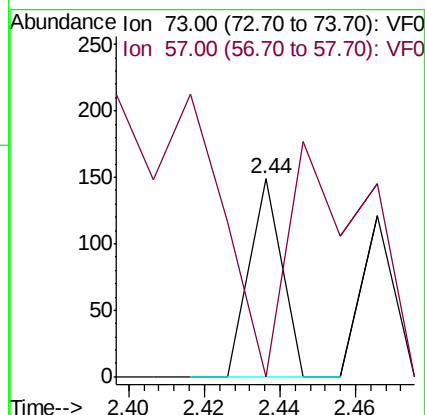
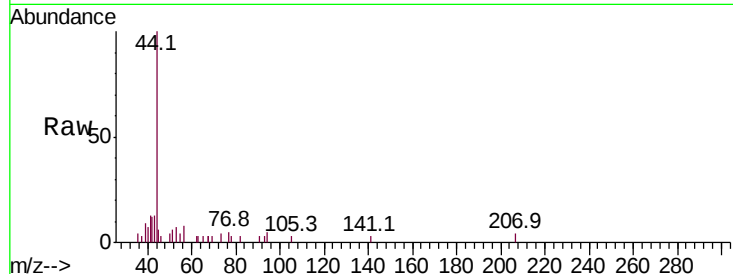
Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 73 Resp: 88

Ion	Ratio	Lower	Upper
73	100		
57	0.0	14.5	21.7#



#20

Methylene Chloride

Concen: 1.156 ug/l

RT: 2.19 min Scan# 158

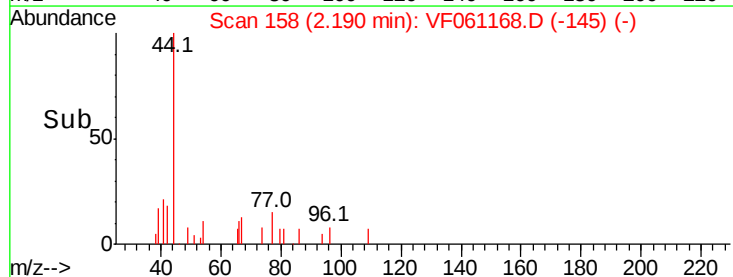
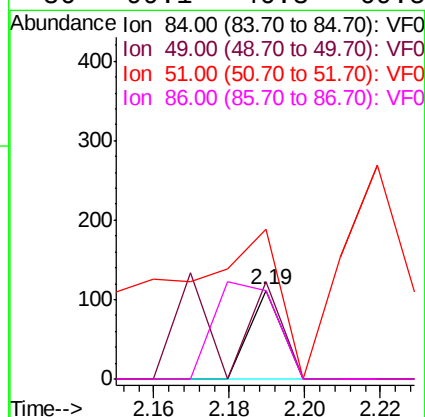
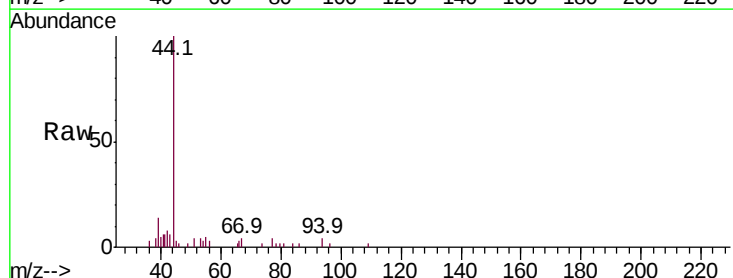
Delta R.T. -0.07 min

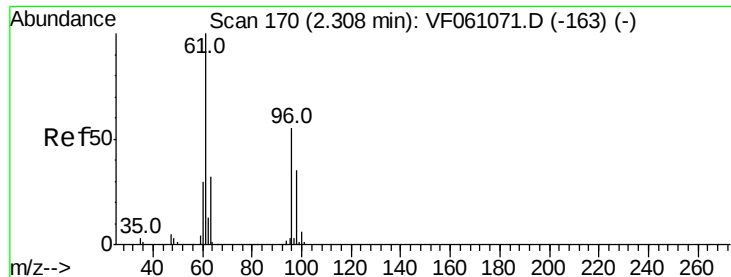
Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Tgt Ion: 84 Resp: 66

Ion	Ratio	Lower	Upper
84	100		
49	109.8	129.4	194.2#
51	167.9	44.0	66.0#
86	99.1	46.3	69.5#





#21

trans-1,2-Dichloroethene

Concen: 4.904 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

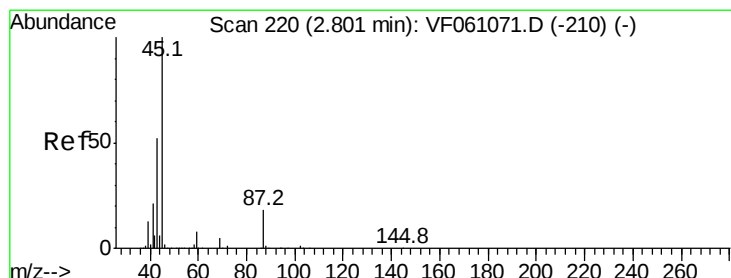
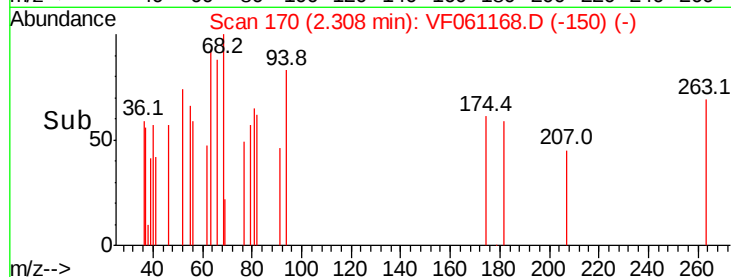
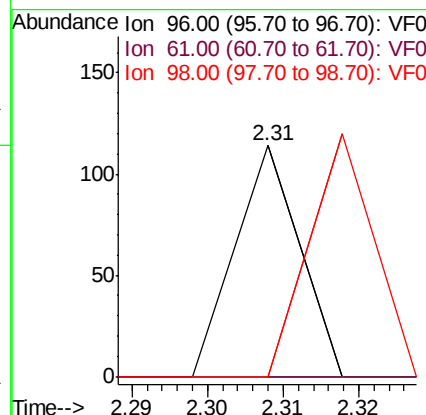
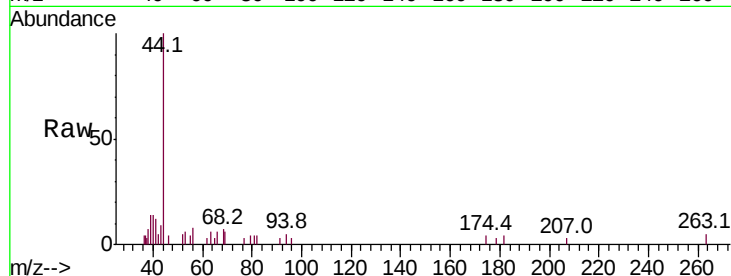
Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 67

Ion	Ratio	Lower	Upper
96	100		
61	0.0	146.0	219.0#
98	0.0	51.6	77.4#



#22

Diisopropyl ether

Concen: 9.508 ug/l

RT: 2.77 min Scan# 217

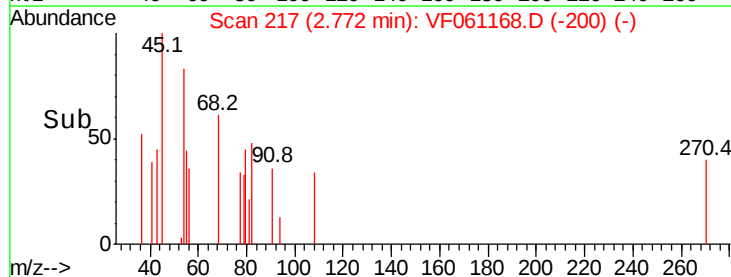
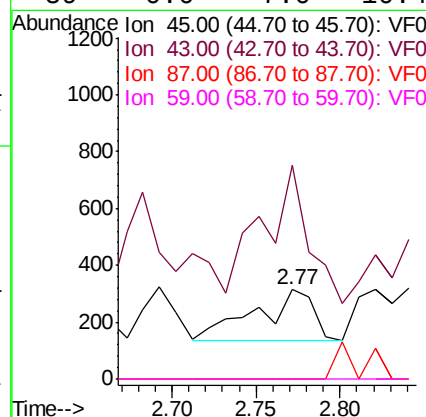
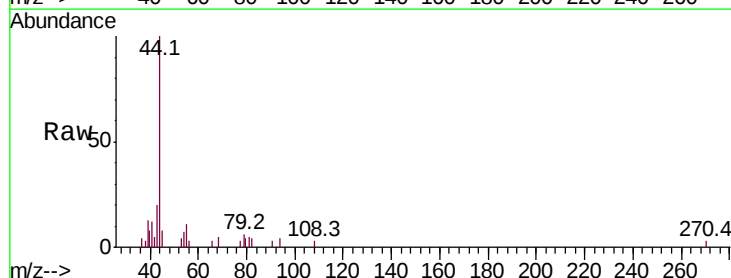
Delta R.T. -0.03 min

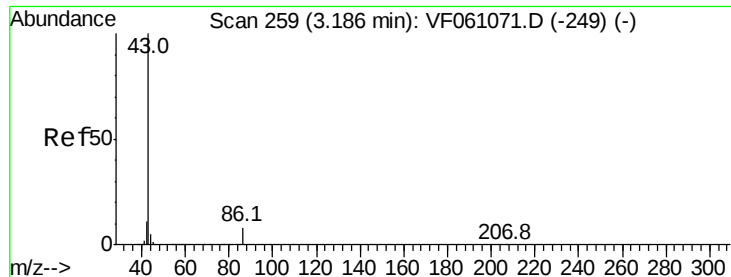
Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Tgt Ion: 45 Resp: 421

Ion	Ratio	Lower	Upper
45	100		
43	238.7	42.2	63.2#
87	0.0	14.6	22.0#
59	0.0	7.0	10.4#





#23

Vinyl Acetate

Concen: 67.267 ug/l

RT: 3.27 min Scan# 268

Delta R.T. 0.09 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_F

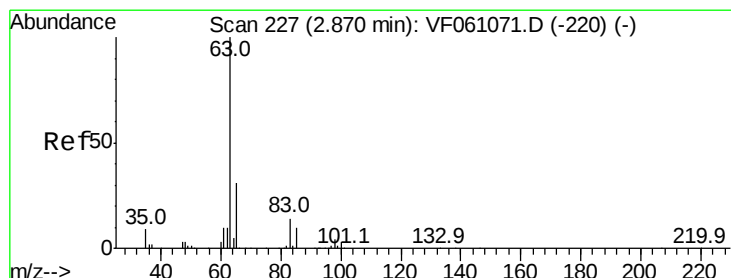
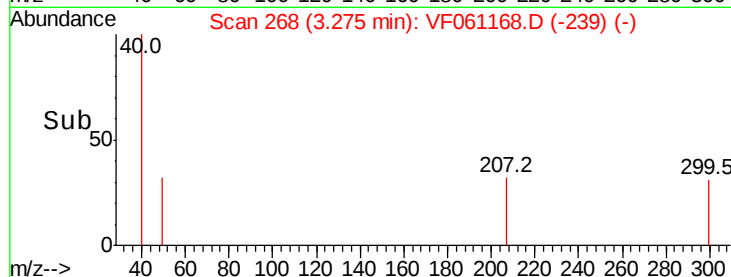
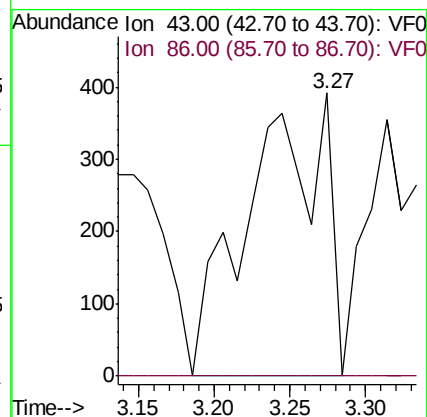
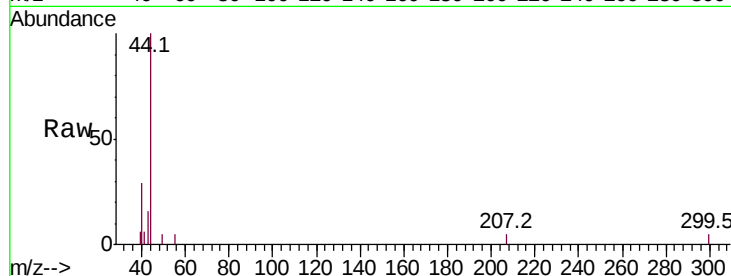
ClientSampleId :

Tot Ion: 43 Resp: 1374

Ion Ratio Lower Upper

43 100

86 0.0 6.3 9.5#



#24

1,1-Dichloroethane

Concen: 6.938 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

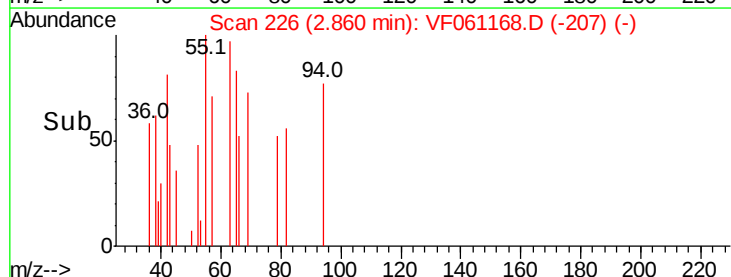
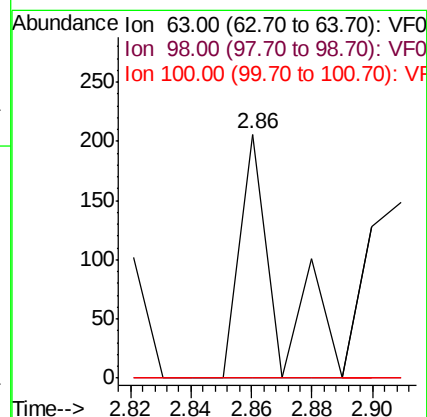
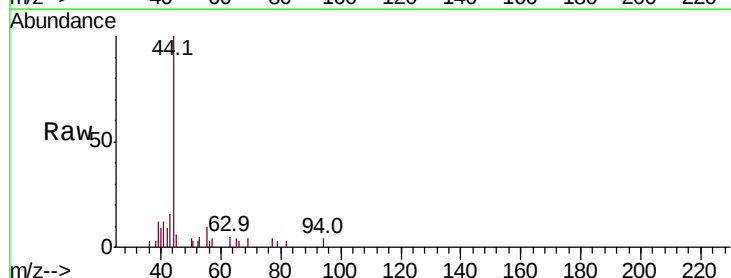
Tgt Ion: 63 Resp: 182

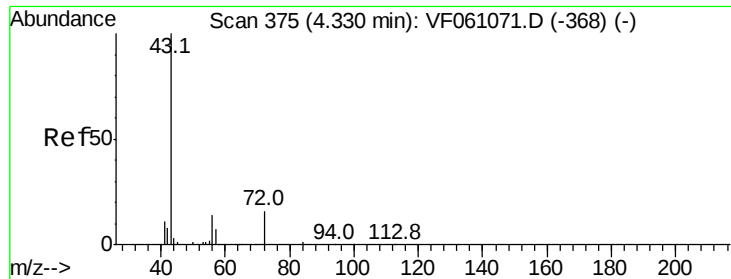
Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

100 0.0 1.7 5.1#

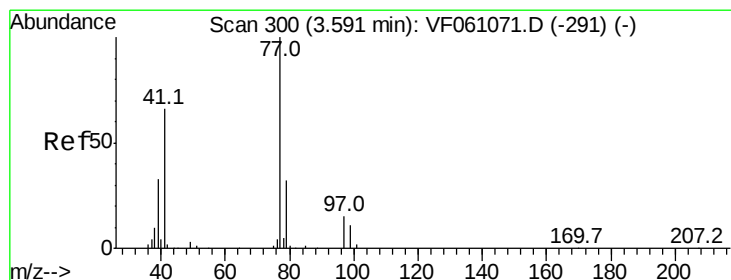
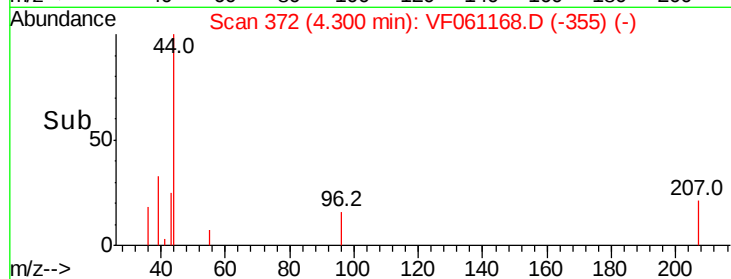
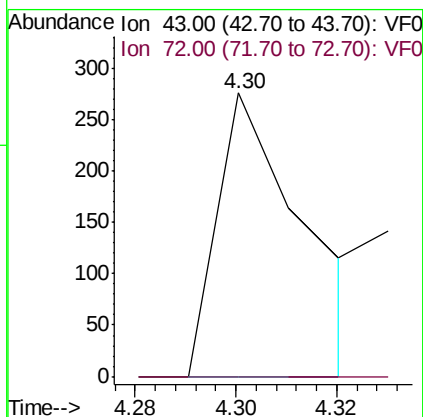
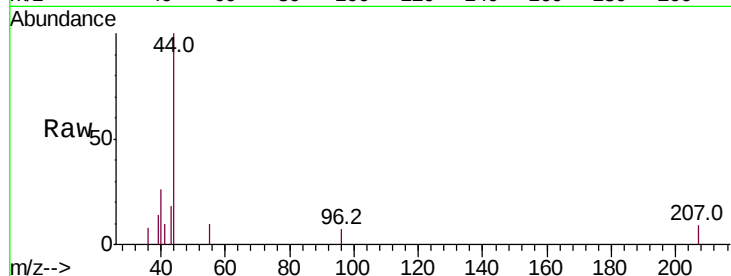




#25
2-Butanone
Concen: 54.449 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.03 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

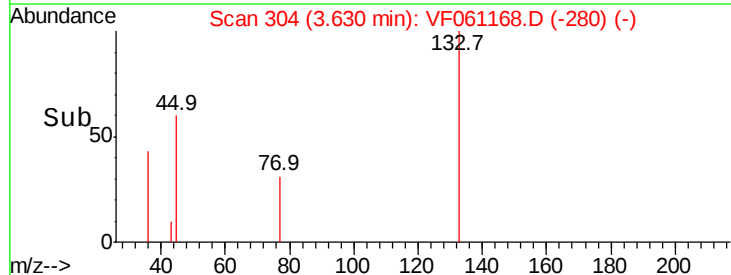
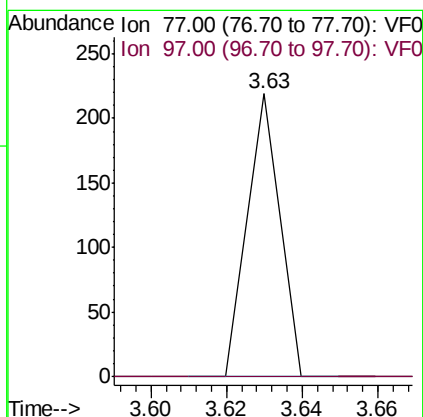
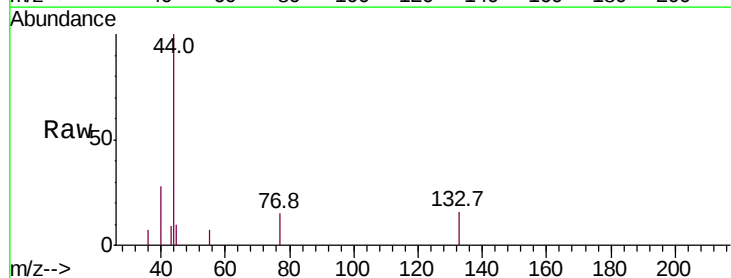
Instrument :
MSVOA_F
ClientSampled :

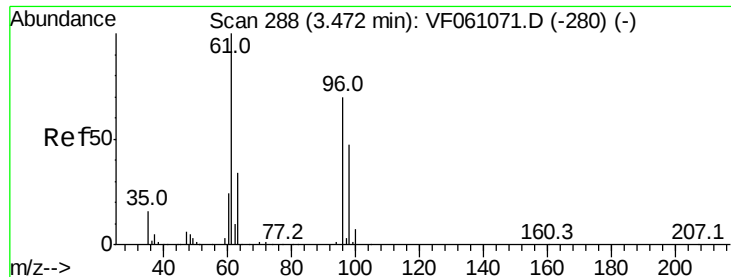
Tot Ion: 43 Resp: 329
Ion Ratio Lower Upper
43 100
72 0.0 15.6 23.4#



#26
2,2-Dichloropropane
Concen: 8.635 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.04 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

Tgt Ion: 77 Resp: 130
Ion Ratio Lower Upper
77 100
97 0.0 8.2 24.4#



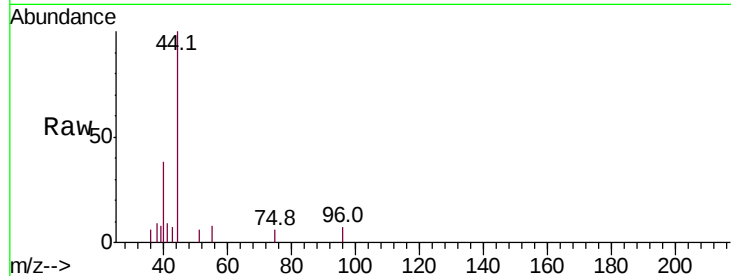


#27

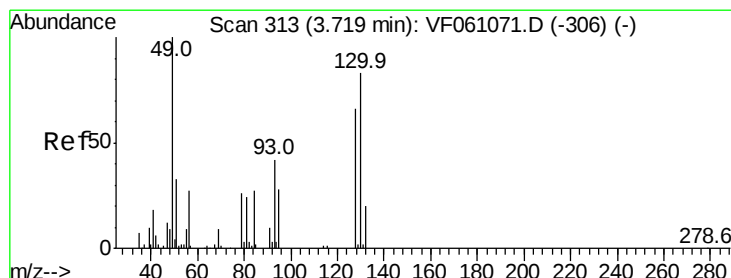
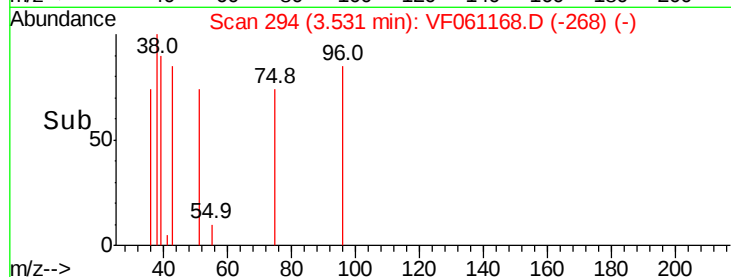
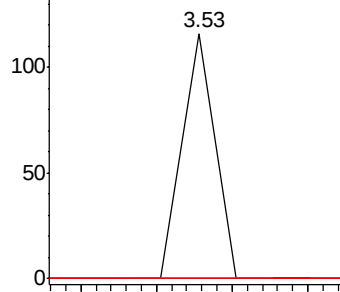
cis-1,2-Dichloroethene
Concen: 3.299 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.06 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	287.8
98	0.0	0.0	134.2



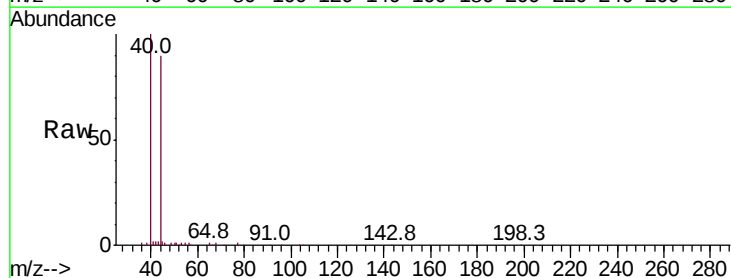
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



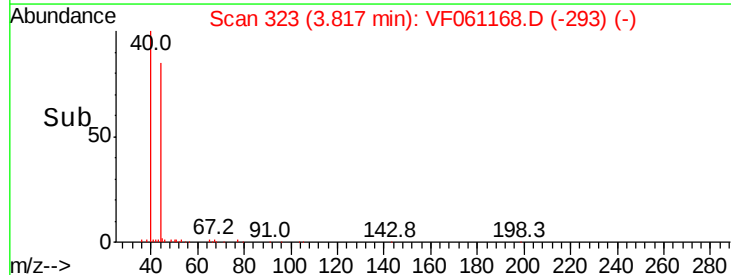
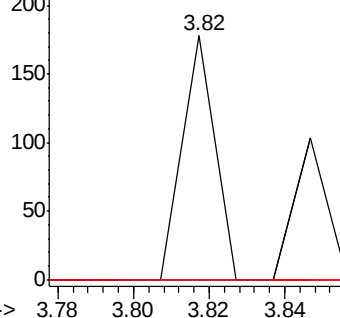
#28

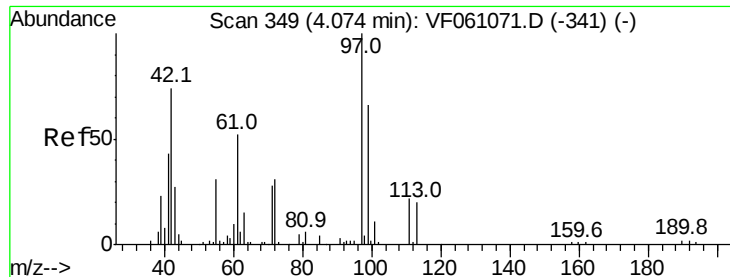
Bromochloromethane
Concen: 7.888 ug/l
RT: 3.82 min Scan# 323
Delta R.T. 0.10 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	65.8	98.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 78.885 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

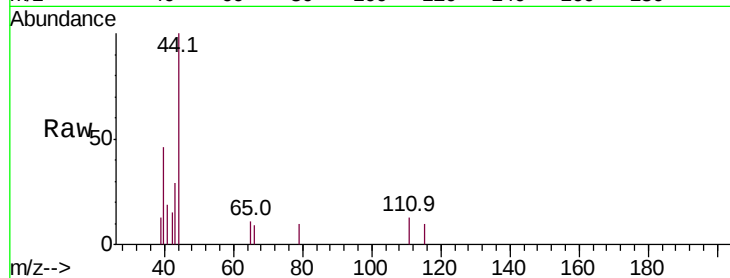
Tot Ion: 42 Resp: 194

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

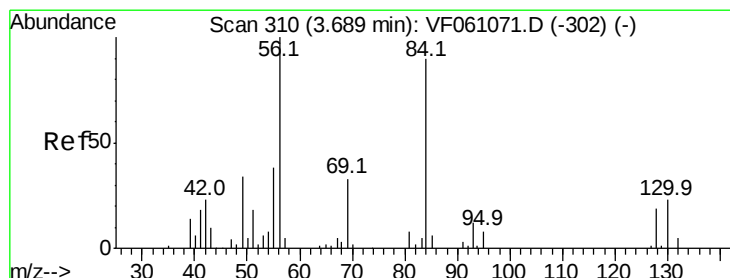
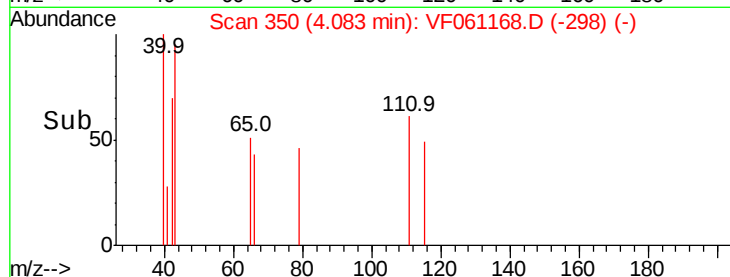
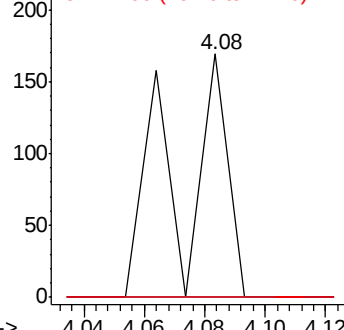
71 0.0 29.7 44.5#



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



#31

Cyclohexane

Concen: 2.314 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.03 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

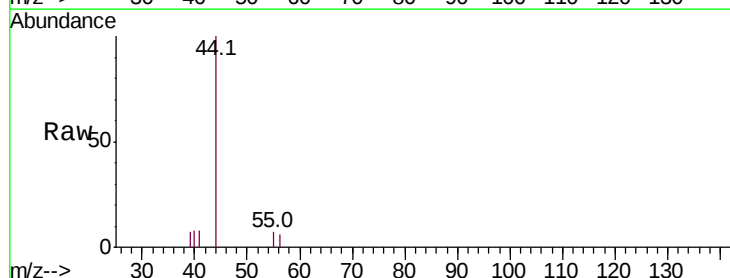
Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

69 0.0 26.0 39.0#

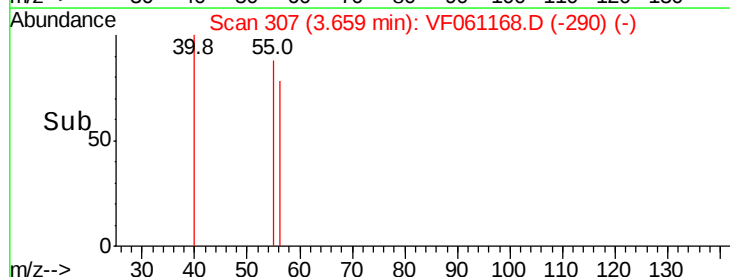
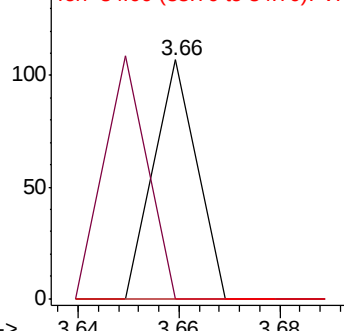
84 0.0 71.4 107.2#

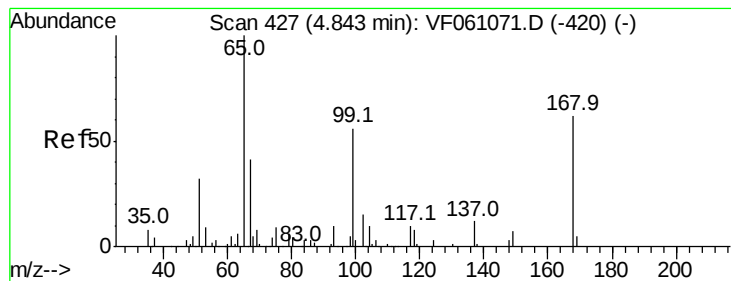


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 20.497 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

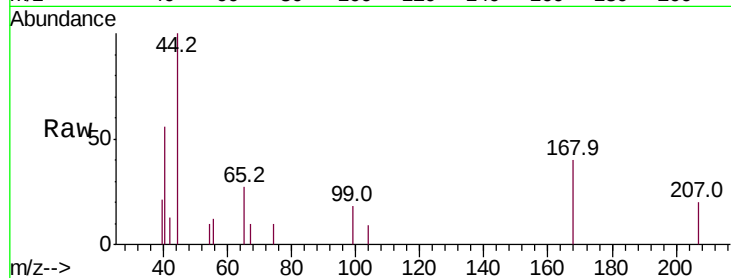
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 382

Ion Ratio Lower Upper

65 100

67 38.9 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

300

250

200

150

100

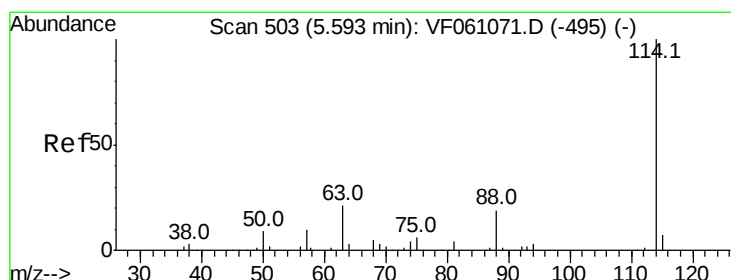
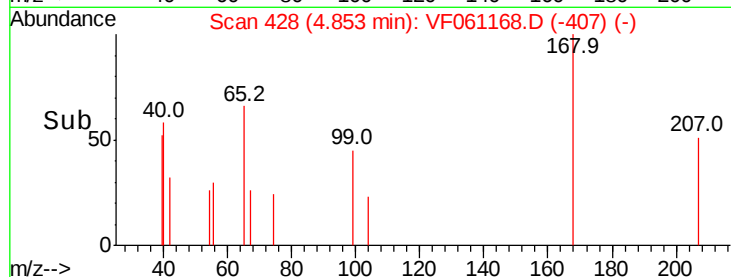
50

0

4.85

4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

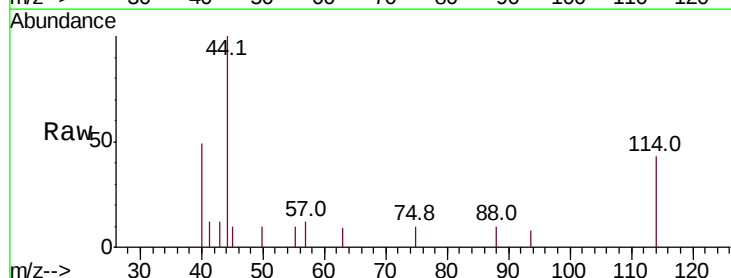
Tgt Ion: 114 Resp: 1809

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

88 24.2 0.0 38.0



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

600

400

200

0

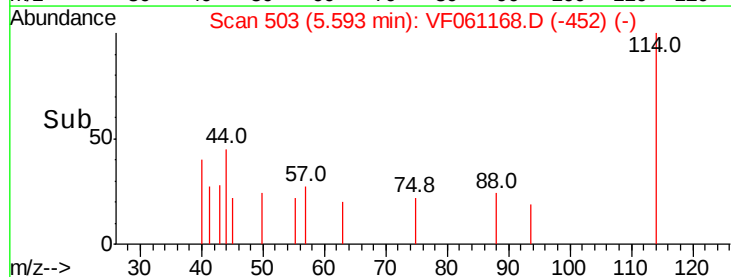
5.59

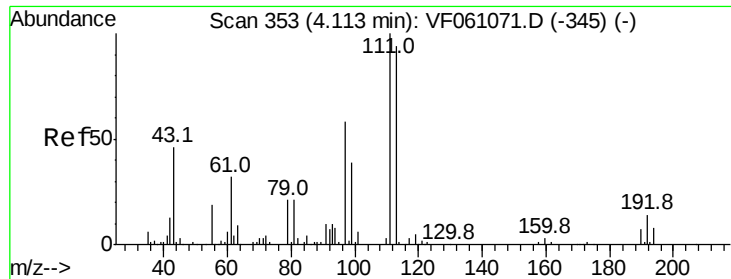
5.60

5.65

5.70

Time-->





#35

Dibromofluoromethane

Concen: 46.580 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

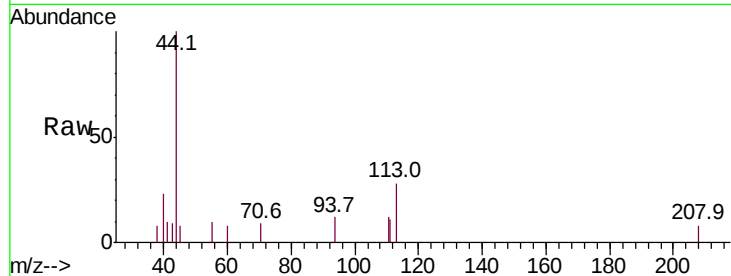
Tot Ion:113 Resp: 675

Ion Ratio Lower Upper

113 100

111 38.5 85.2 127.8#

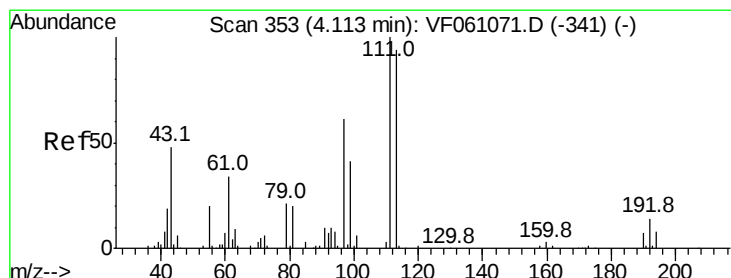
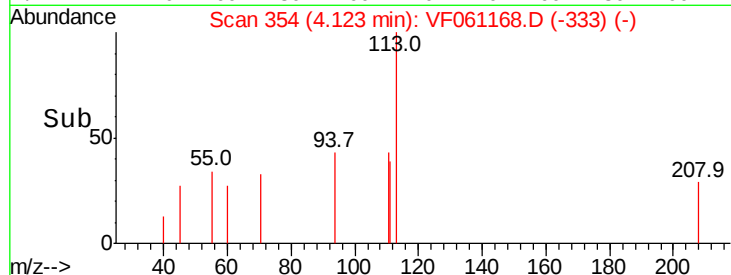
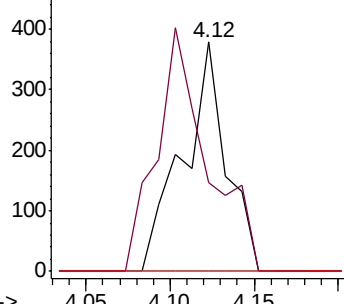
192 0.0 12.8 19.2#



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



#37

Ethyl Acetate

Concen: 77.344 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

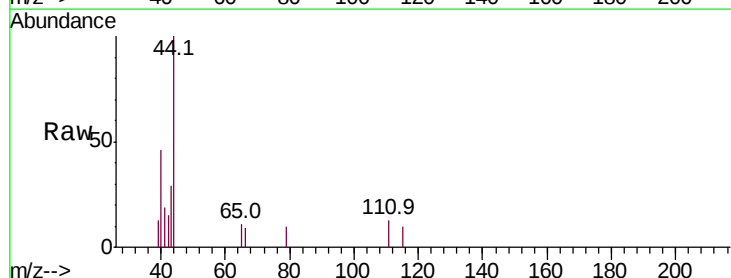
Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

61 0.0 56.6 84.8#

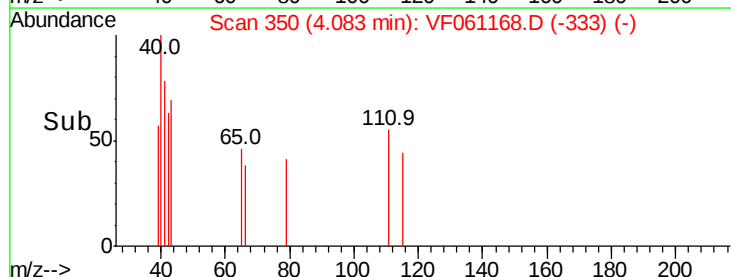
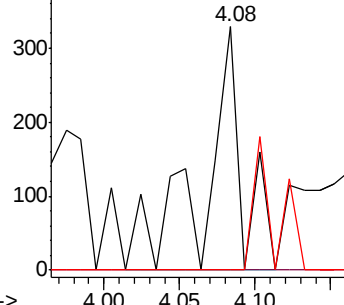
70 0.0 6.3 9.5#

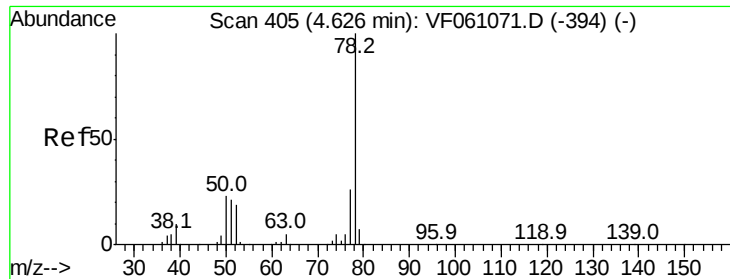


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#40

Benzene

Concen: 1.406 ug/l

RT: 4.53 min Scan# 395

Delta R.T. -0.10 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

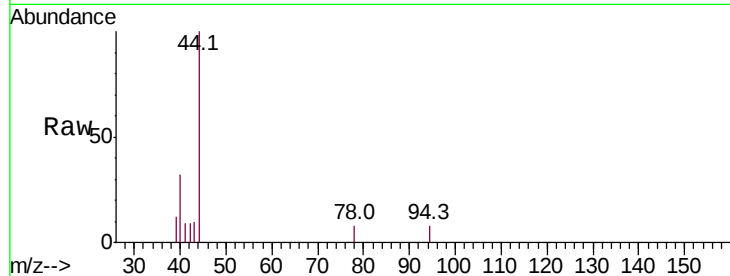
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 66

Ion Ratio Lower Upper

78 100

77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.53

120

100

80

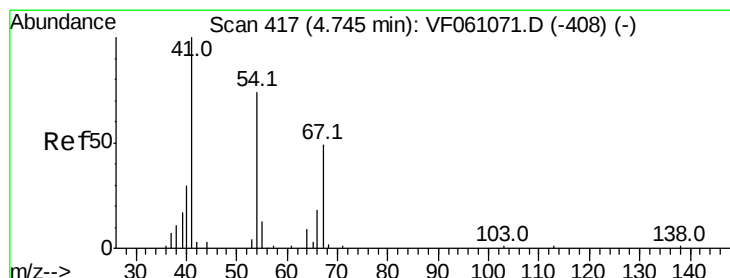
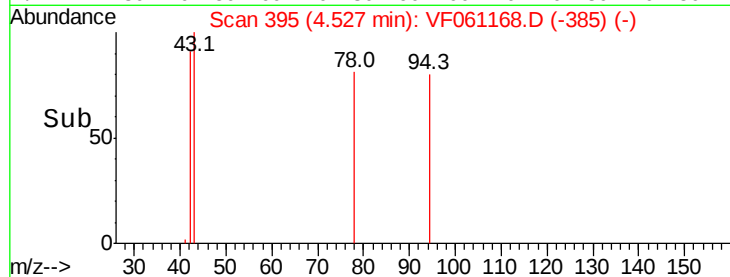
60

40

20

0

Time--> 4.50 4.52 4.54 4.56



#41

Methacrylonitrile

Concen: 67.440 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.02 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Tgt Ion: 41 Resp: 311

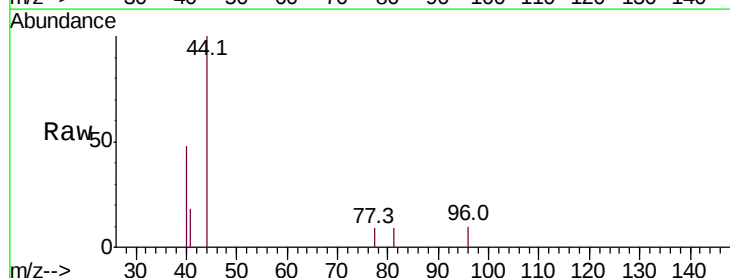
Ion Ratio Lower Upper

41 100

39 0.0 45.7 68.5#

67 0.0 38.9 58.3#

52 0.0 35.2 52.8#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

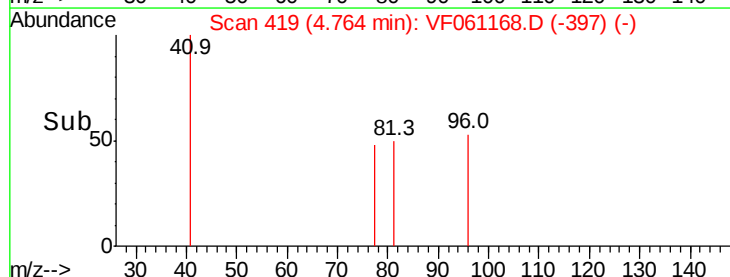
300

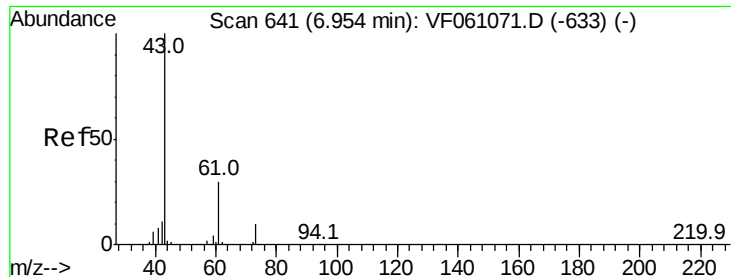
200

100

0

Time--> 4.72 4.74 4.76 4.78 4.80





#43

Isopropyl Acetate

Concen: 6.734 ug/l

RT: 6.96 min Scan# 642

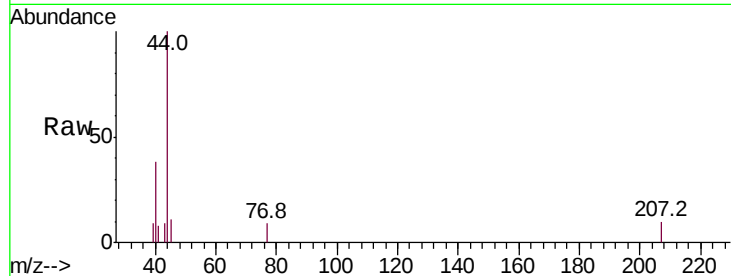
Delta R.T. 0.01 min

Lab File: VF061168.D

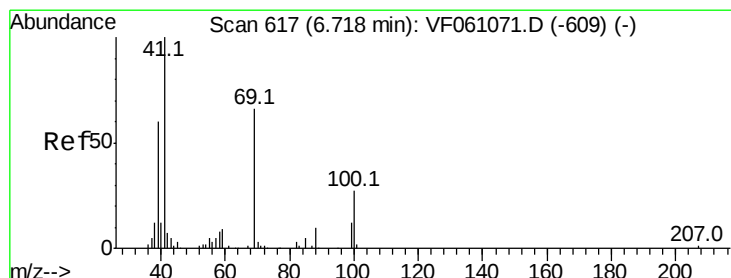
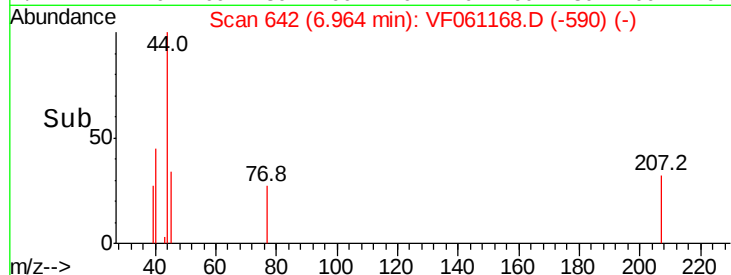
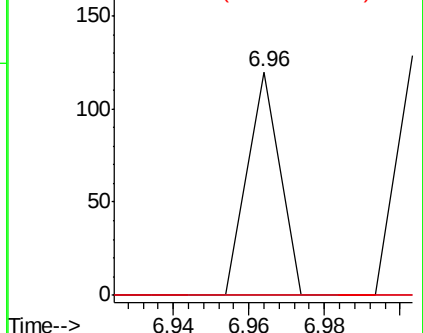
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.0	0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 37.634 ug/l

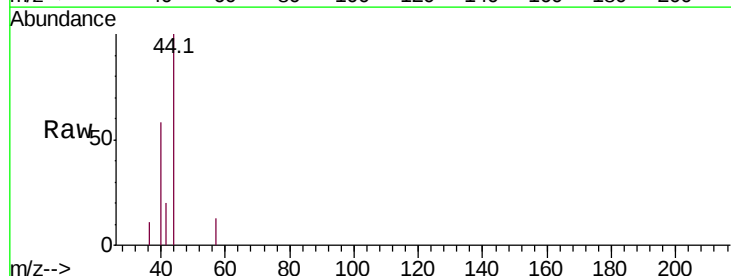
RT: 6.74 min Scan# 619

Delta R.T. 0.02 min

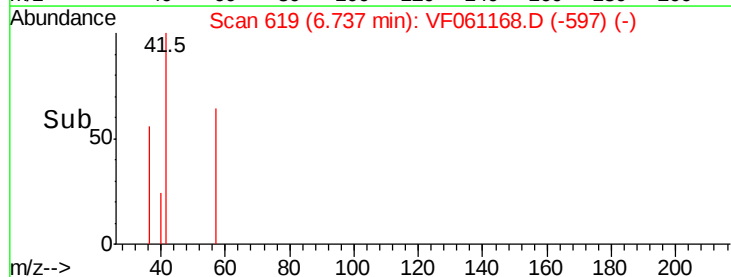
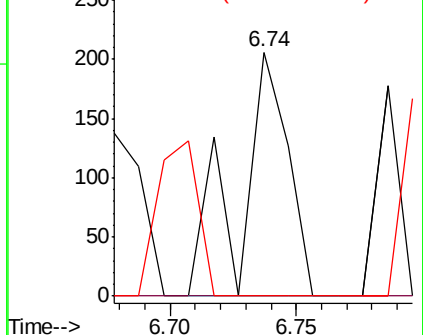
Lab File: VF061168.D

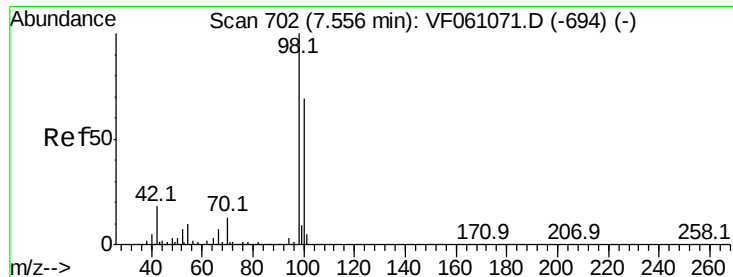
Acq: 24 Dec 2018 16:38

Tgt Ion:	41	Resp:	277
Ion	Ratio	Lower	Upper
41	100		
69	0.0	52.7	79.1#
39	0.0	47.8	71.6#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 22.841 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

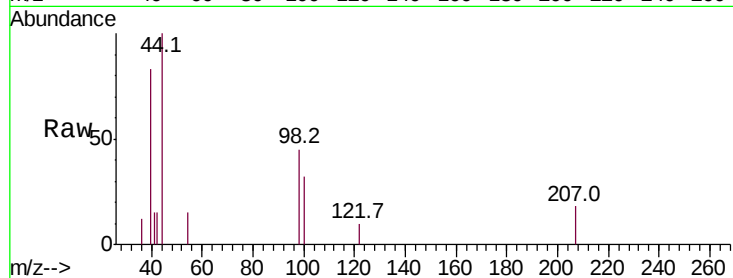
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 938

Ion Ratio Lower Upper

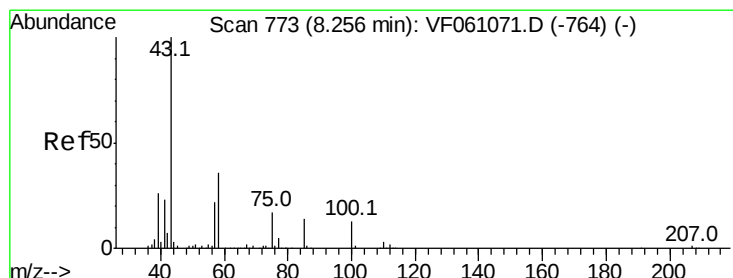
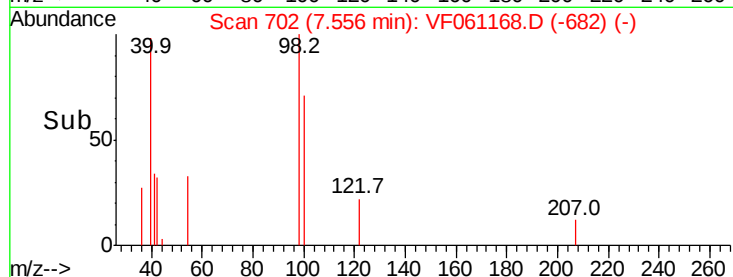
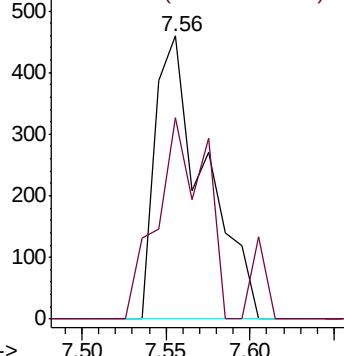
98 100

100 71.0 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 34.574 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.04 min

Lab File: VF061168.D

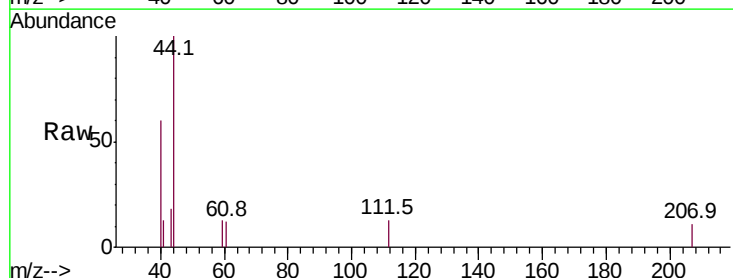
Acq: 24 Dec 2018 16:38

Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

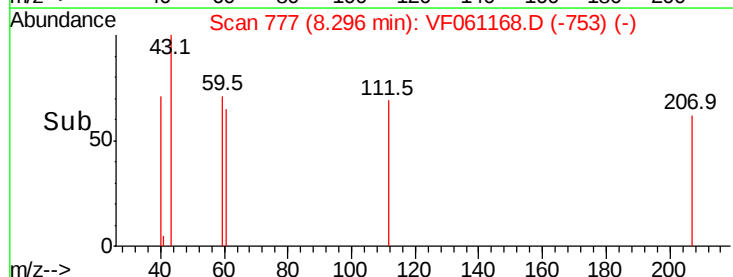
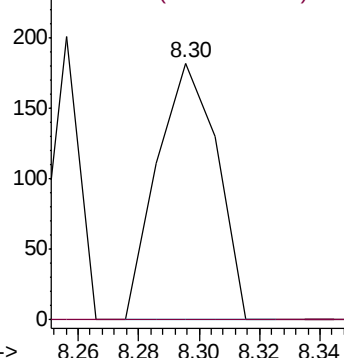
43 100

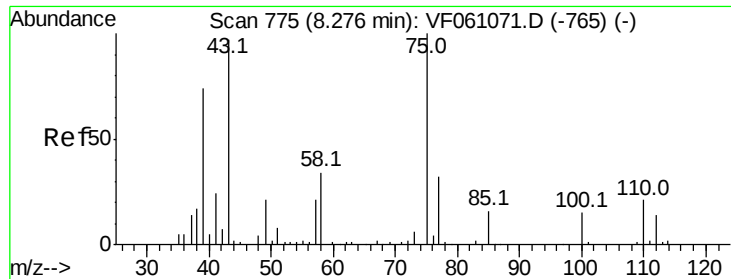
58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#53

t-1,3-Dichloropropene

Concen: 3.915 ug/l

RT: 8.34 min Scan# 782

Delta R.T. 0.07 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

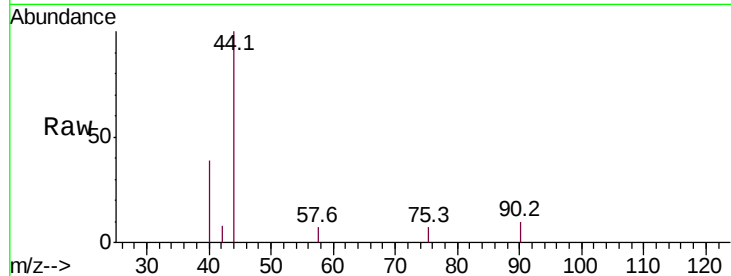
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

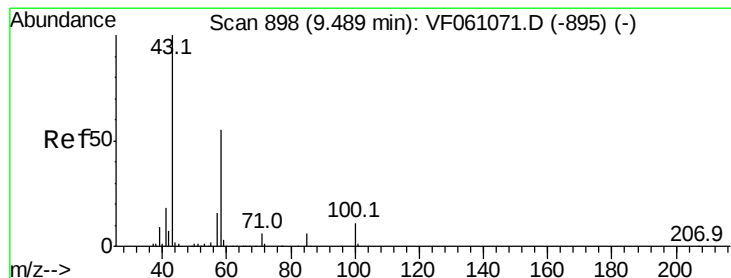
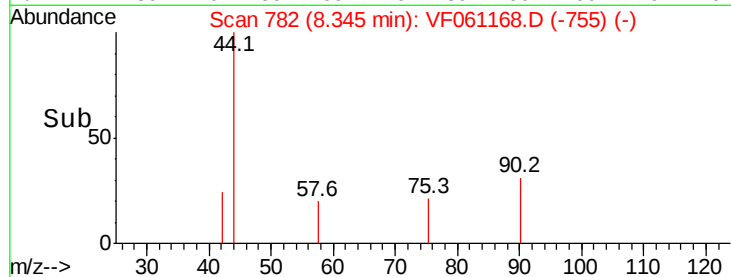
8.34

100

50

0

Time-->



#59

2-Hexanone

Concen: 19.123 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.00 min

Lab File: VF061168.D

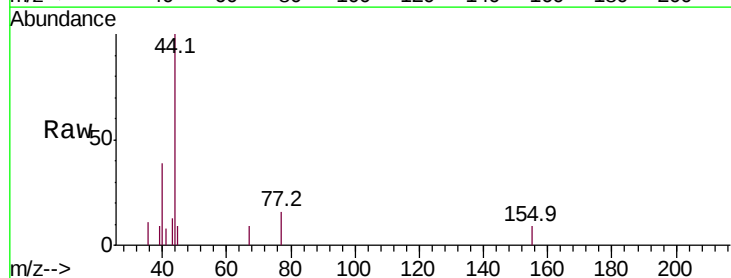
Acq: 24 Dec 2018 16:38

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.49

200

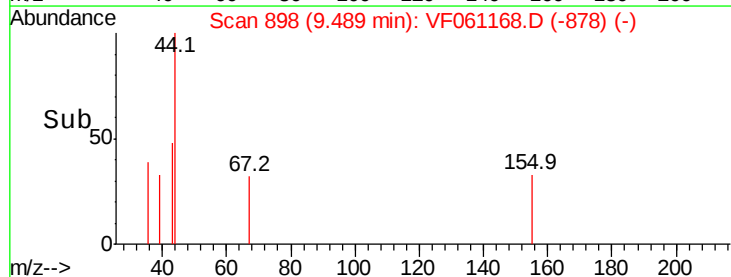
150

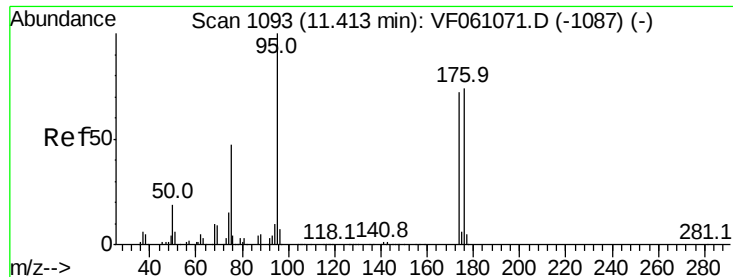
100

50

0

Time-->

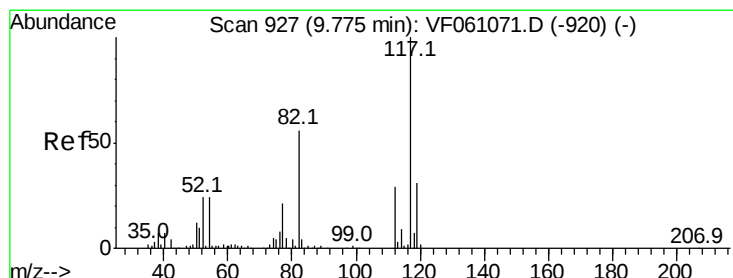
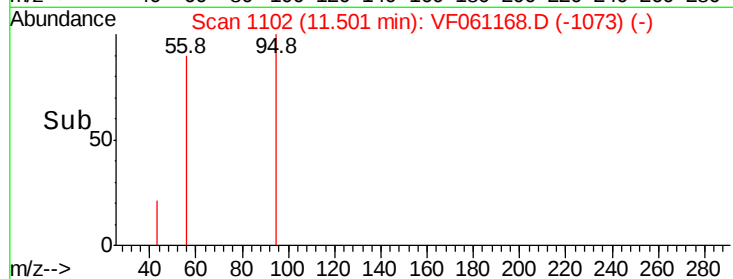
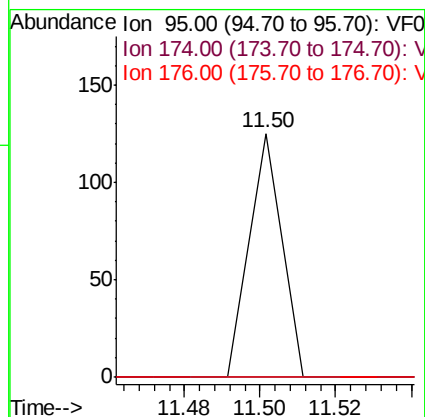
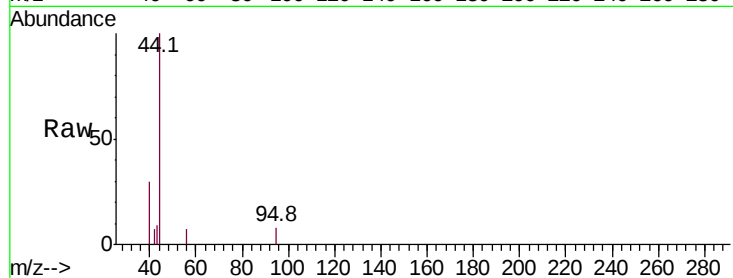




#62
4-Bromofluorobenzene
Concen: 3.909 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.09 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

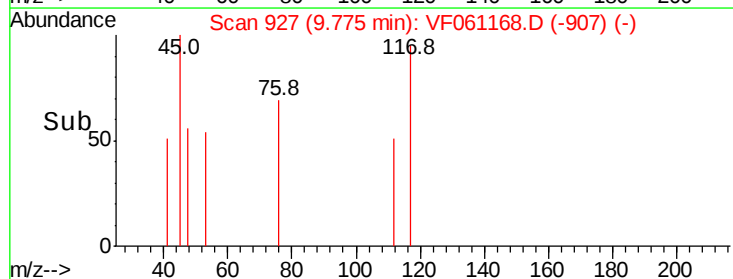
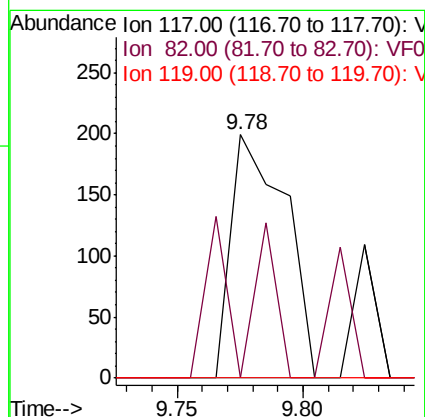
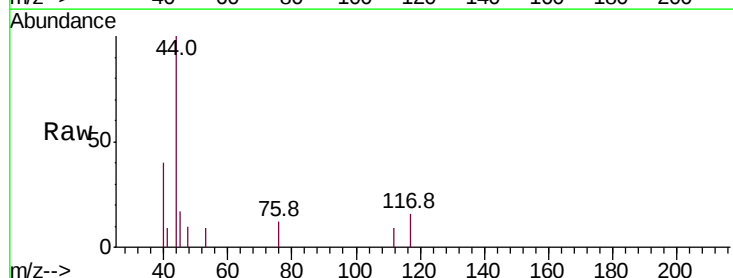
Instrument :
MSVOA_F
ClientSampleId :

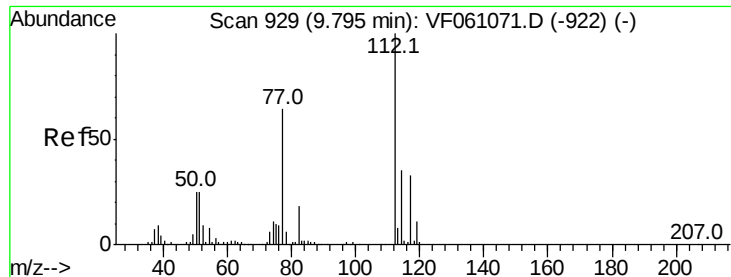
Tot Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	143.8
176	0.0	0.0	147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061168.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	45.0	67.4#
119	0.0	24.8	37.2#





#65

Chlorobenzene

Concen: 10.165 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_F

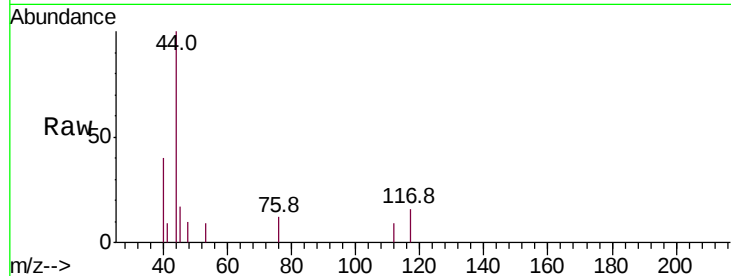
ClientSampleId :

Tot Ion: 112 Resp: 63

Ion Ratio Lower Upper

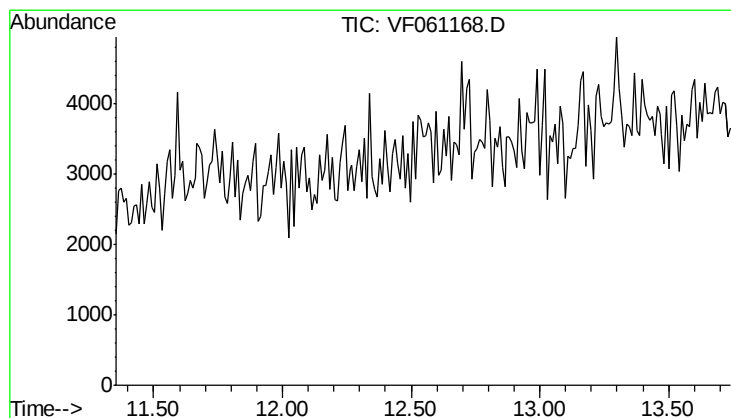
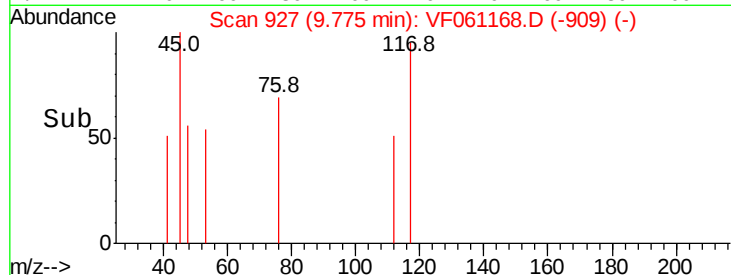
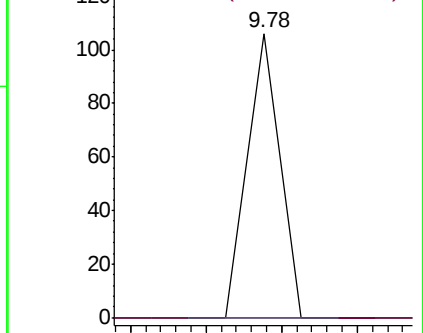
112 100

114 0.0 27.8 41.6#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 12.55 min

Lab File: VF061168.D

Acq: 24 Dec 2018 16:38

Tgt Ion: 152

Sig Exp Ratio

152 100

115 66.6

150 164.1

