

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061247.D
 Acq On : 2 Jan 2019 11:42
 Operator : VA/AP
 Sample : VF0102SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBL01

Quant Time: Jan 02 12:02:26 2019
 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	4.85	168	219594	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	351839	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	316666	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	178051	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	138372	48.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	4.10	113	160000	56.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.54%	
50) Toluene-d8	7.54	98	419060	52.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.39	95	202406	54.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.94%	

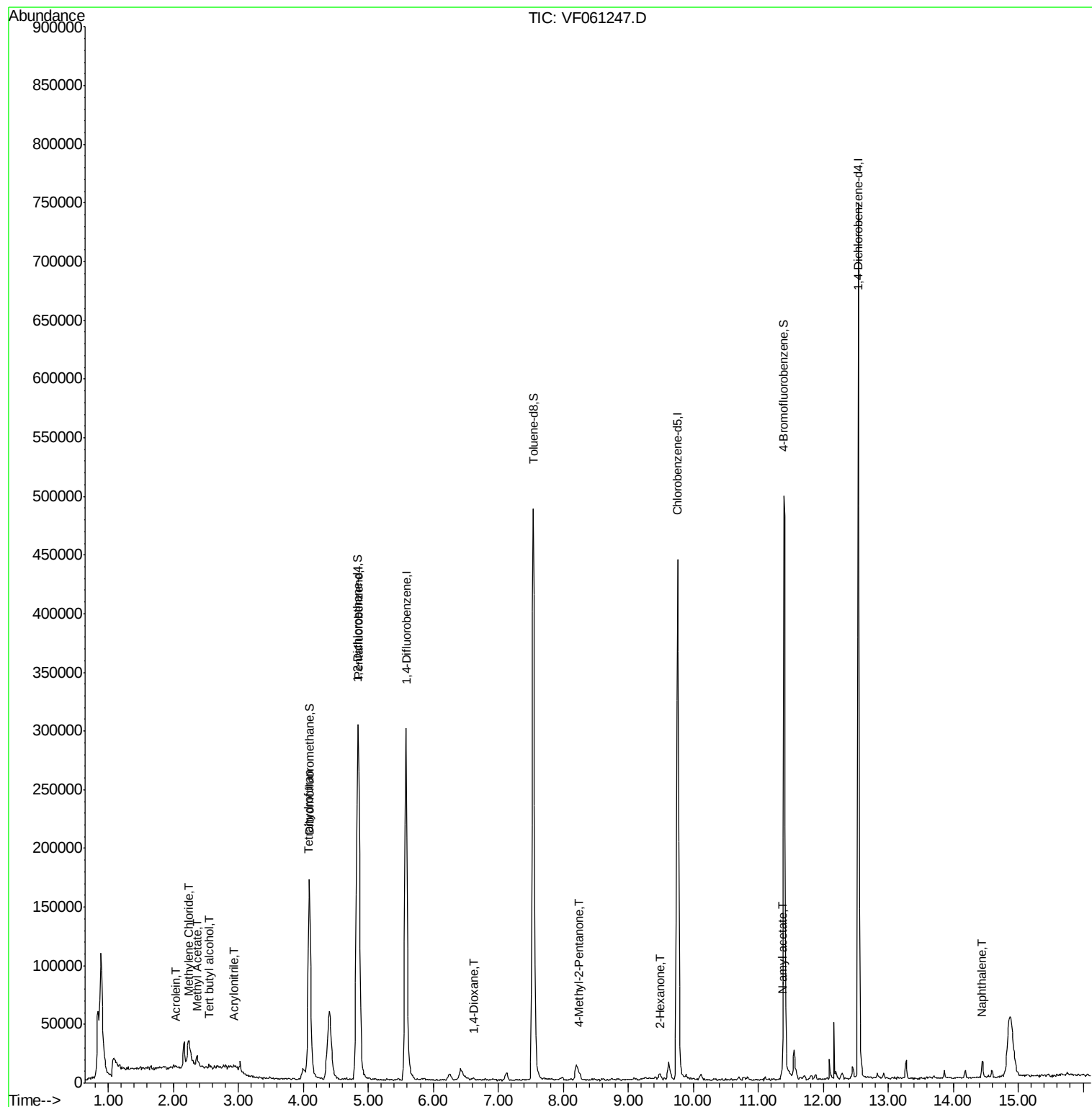
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	383	3.360	ug/l #	1
13) Acrolein	2.02	56	491	5.962	ug/l	85
15) Acrylonitrile	2.93	53	932	3.536	ug/l #	52
18) Methyl Acetate	2.36	43	6024	5.157	ug/l #	66
20) Methylene Chloride	2.24	84	17640	5.807	ug/l #	92
29) Tetrahydrofuran	4.08	42	1221	3.276	ug/l #	50
49) 1,4-Dioxane	6.61	88	66	6.354	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	4241	3.016	ug/l	94
59) 2-Hexanone	9.48	43	5387	5.297	ug/l	94
70) Styrene	10.78	104	1186	Below Cal	#	81
74) N-amyl acetate	11.37	43	4672	1.371	ug/l #	88
87) 1,3-Dichlorobenzene	12.47	146	1637	Below Cal		87
95) Naphthalene	14.44	128	9648	1.262	ug/l	96

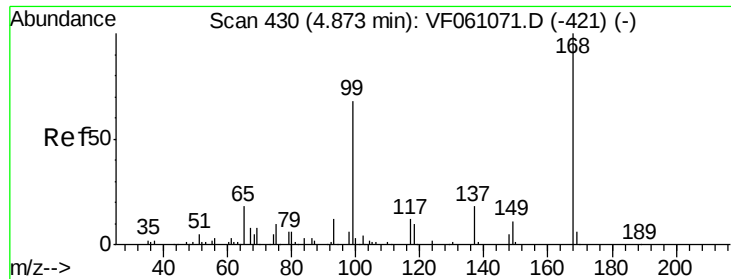
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

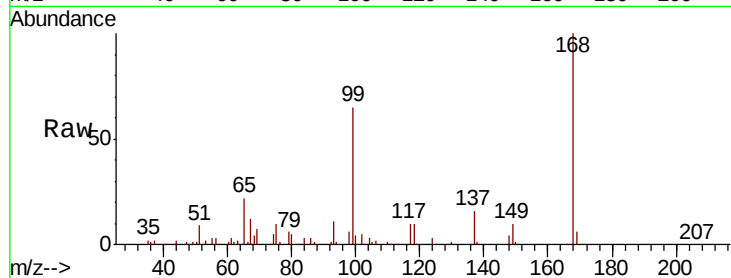
VF0102SBL01

Tgt Ion:168 Resp: 219594

Ion Ratio Lower Upper

168 100

99 65.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

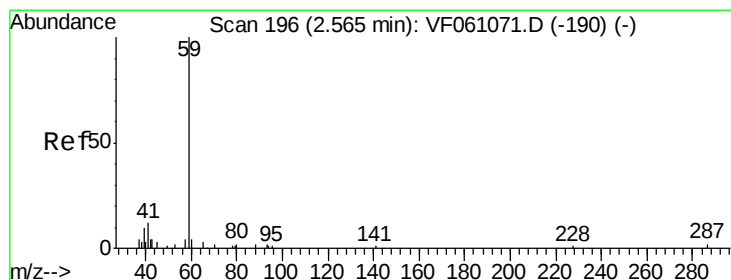
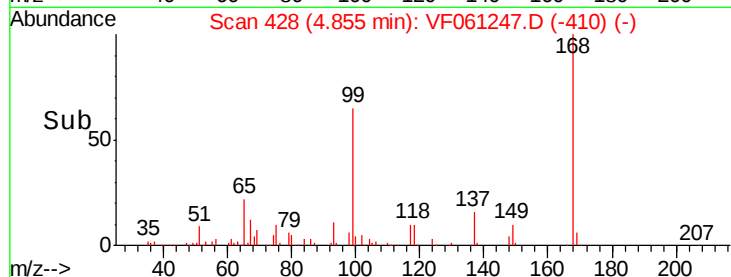
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.360 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF061247.D

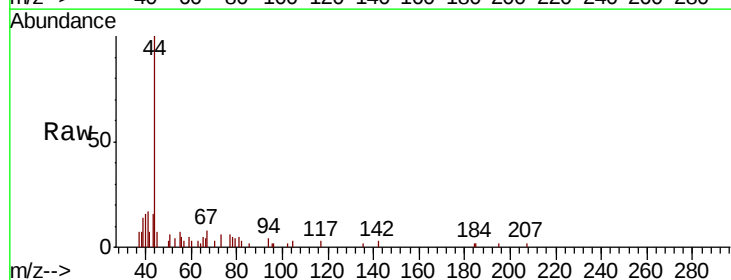
Acq: 2 Jan 2019 11:42

Tgt Ion: 59 Resp: 383

Ion Ratio Lower Upper

59 100

57 69.4 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

300

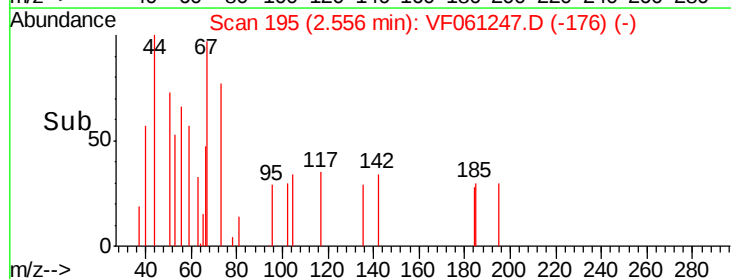
200

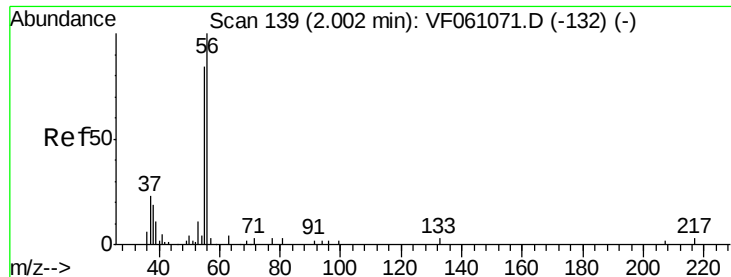
100

0

Time-->

2.50 2.55





#13

Acrolein

Concen: 5.962 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.02 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

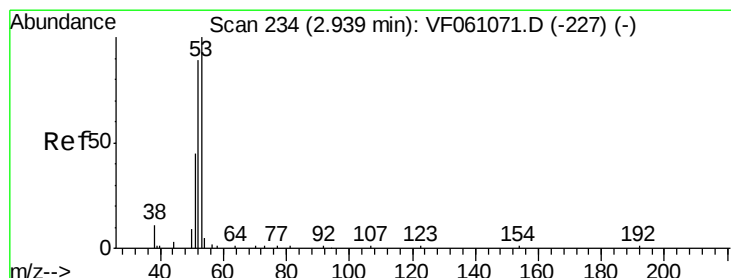
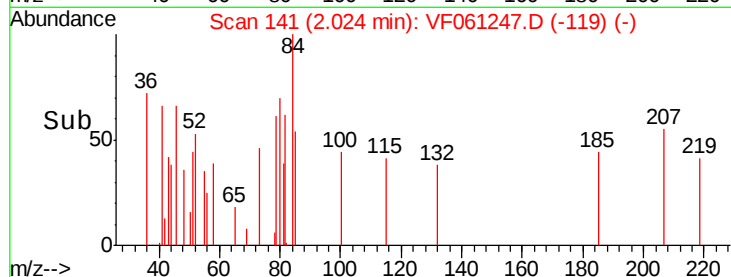
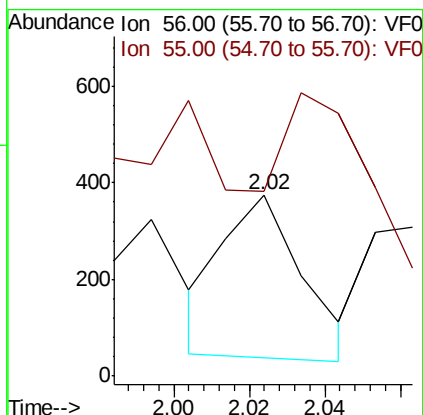
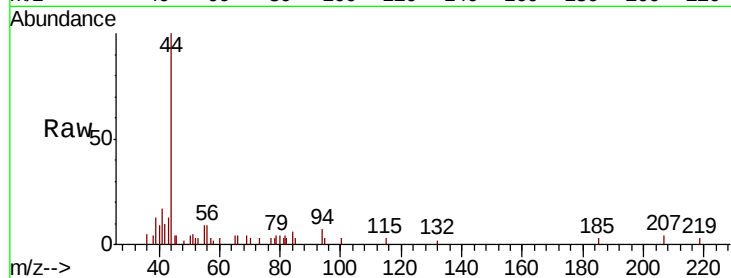
VF0102SBL01

Tgt Ion: 56 Resp: 491

Ion Ratio Lower Upper

56 100

55 101.9 70.2 105.2



#15

Acrylonitrile

Concen: 3.536 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

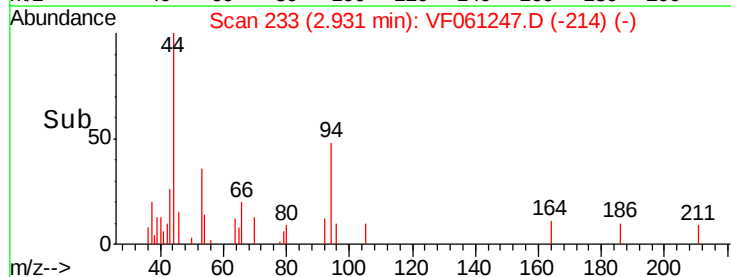
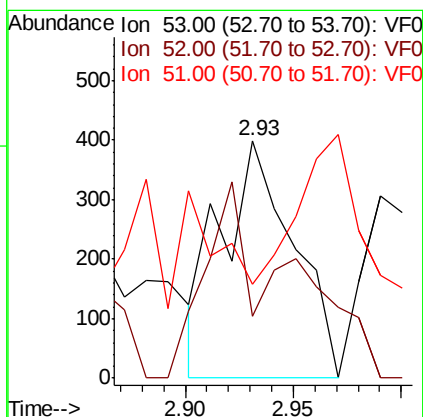
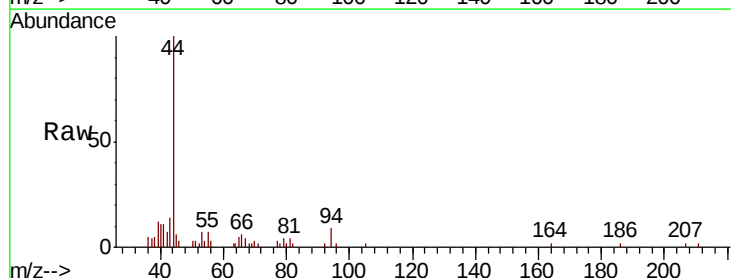
Tgt Ion: 53 Resp: 932

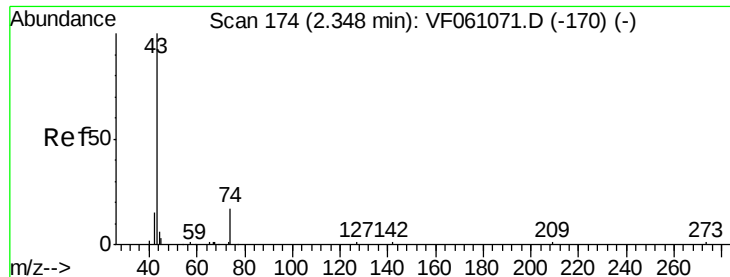
Ion Ratio Lower Upper

53 100

52 26.1 71.3 106.9#

51 39.8 36.8 55.2

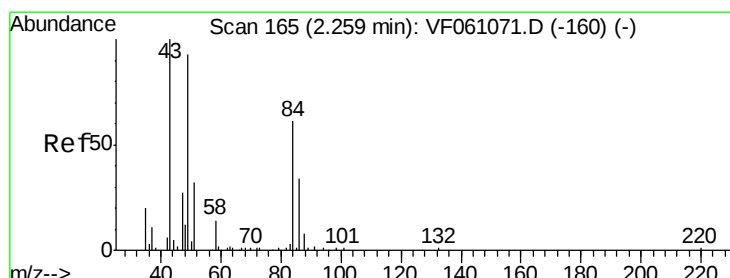
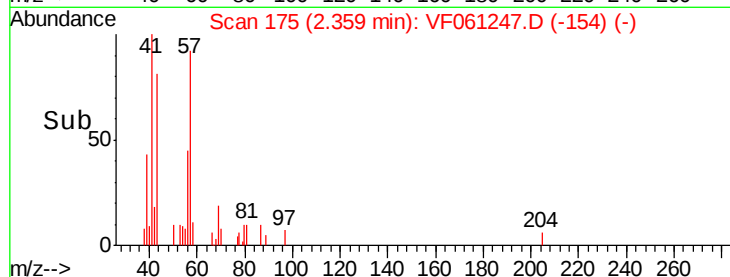
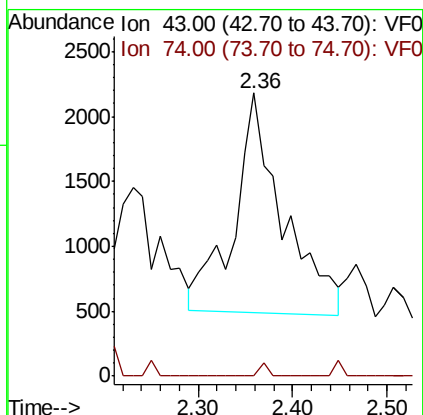
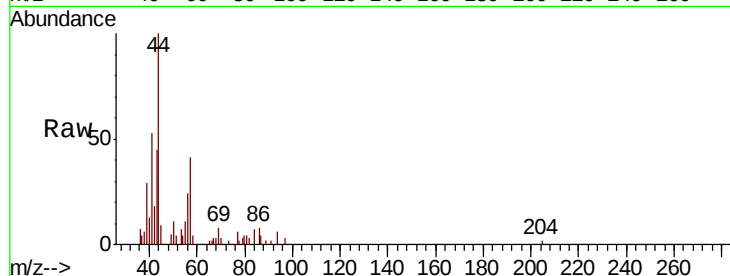




#18
Methyl Acetate
Concen: 5.157 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

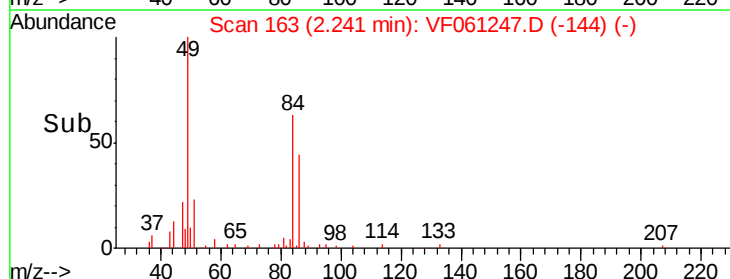
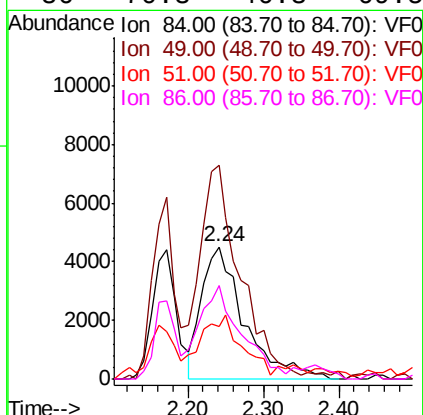
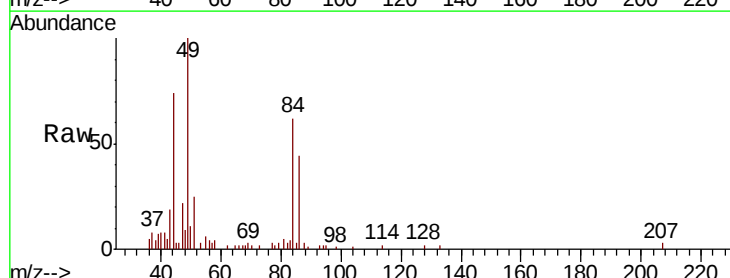
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBL01

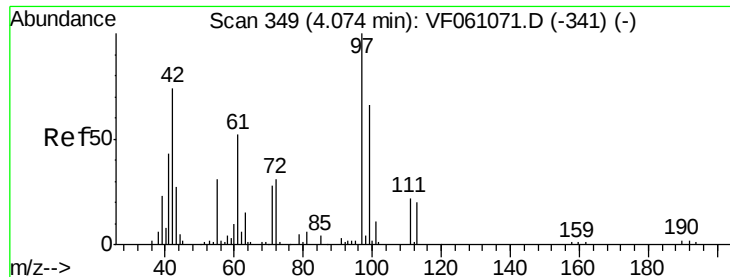
Tgt Ion: 43 Resp: 6024
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: 5.807 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

Tgt Ion: 84 Resp: 17640
Ion Ratio Lower Upper
84 100
49 161.3 129.4 194.2
51 40.0 44.0 66.0#
86 70.3 46.3 69.5#





#29

Tetrahydrofuran

Concen: 3.276 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBL01

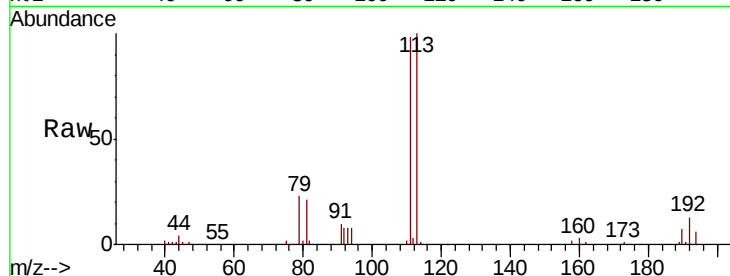
Tgt Ion: 42 Resp: 1221

Ion Ratio Lower Upper

42 100

72 15.5 31.8 47.8#

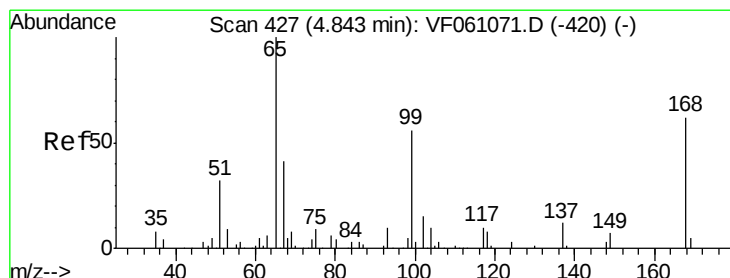
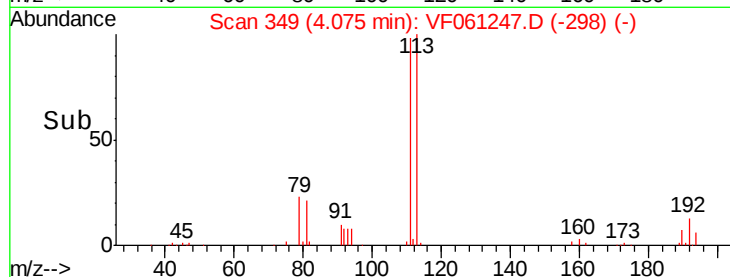
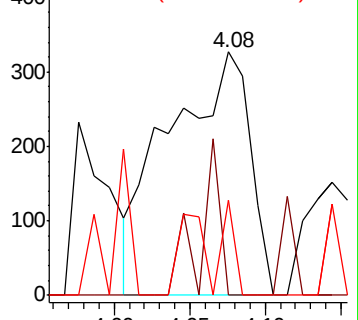
71 0.0 29.7 44.5#



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



#33

1,2-Dichloroethane-d4

Concen: 48.992 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061247.D

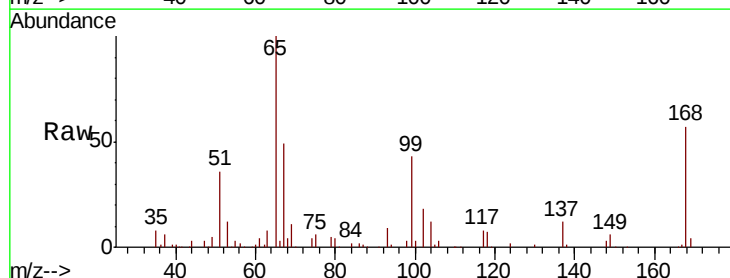
Acq: 2 Jan 2019 11:42

Tgt Ion: 65 Resp: 138372

Ion Ratio Lower Upper

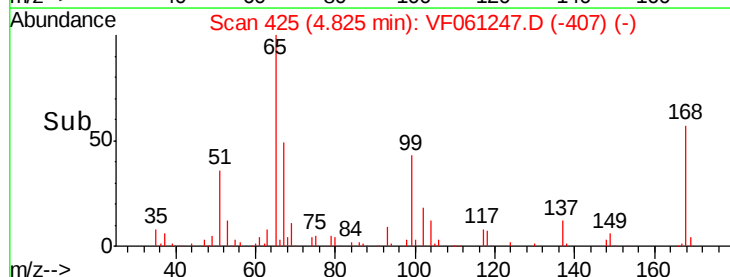
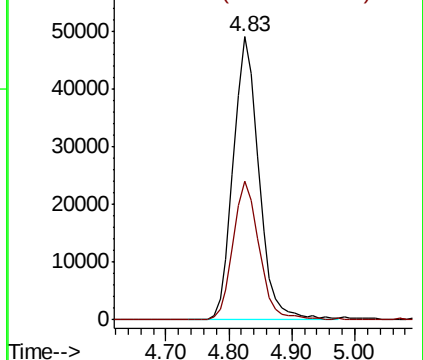
65 100

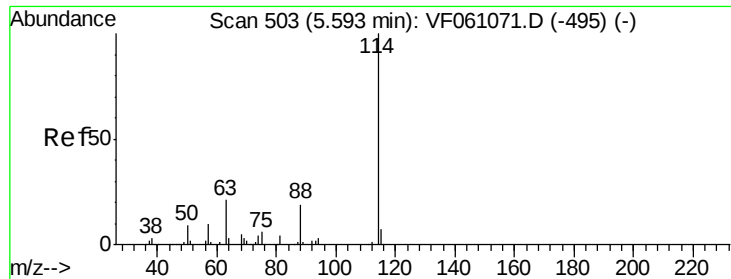
67 49.1 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

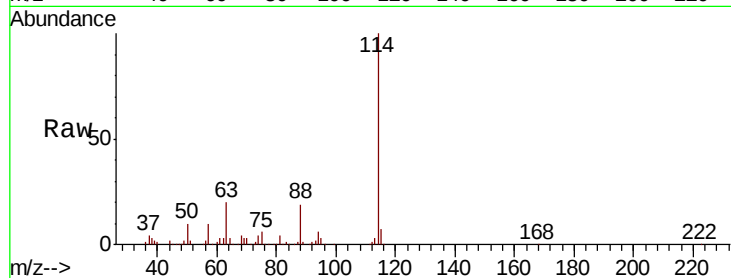




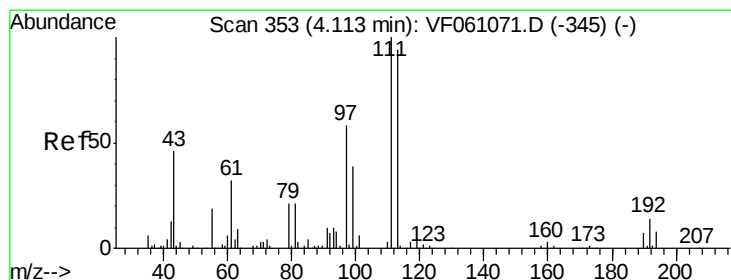
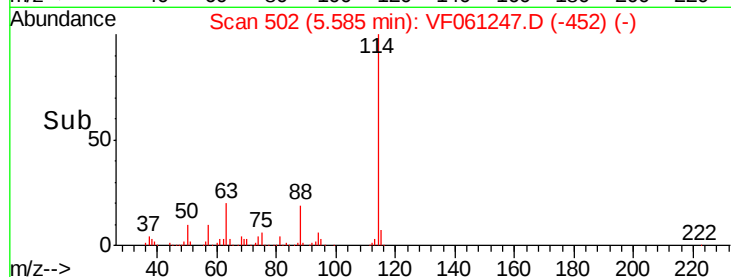
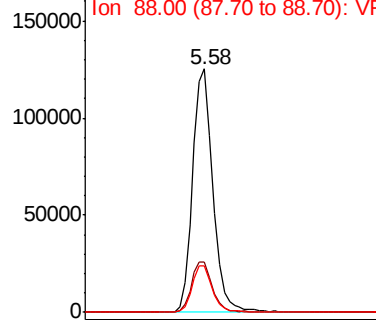
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061247.D
 Acq: 2 Jan 2019 11:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBL01

Tgt Ion:114 Resp: 351839
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 19.0 0.0 38.0

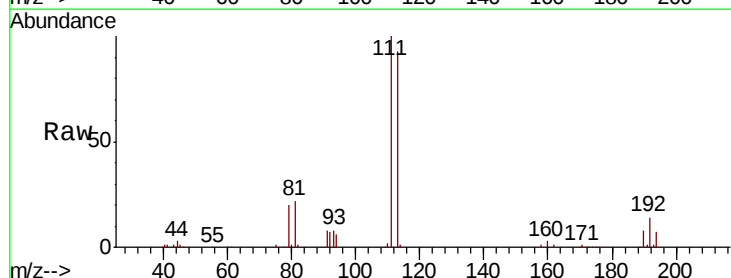


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

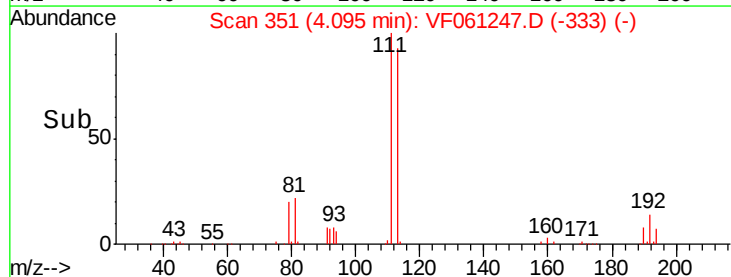
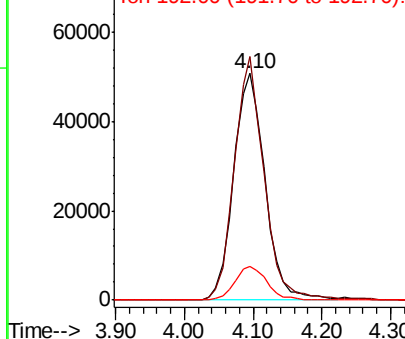


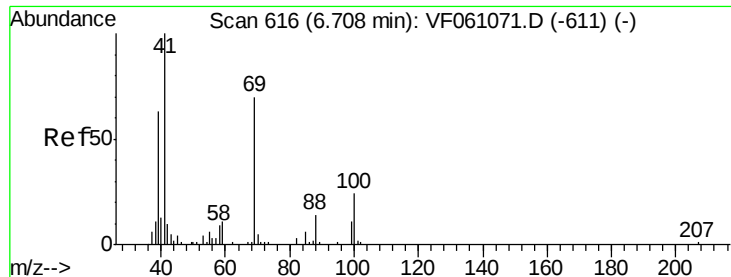
#35
 Dibromofluoromethane
 Concen: 56.769 ug/l
 RT: 4.10 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061247.D
 Acq: 2 Jan 2019 11:42

Tgt Ion:113 Resp: 160000
 Ion Ratio Lower Upper
 113 100
 111 107.5 85.2 127.8
 192 15.0 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

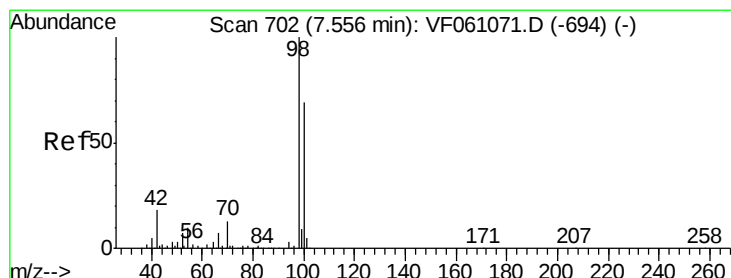
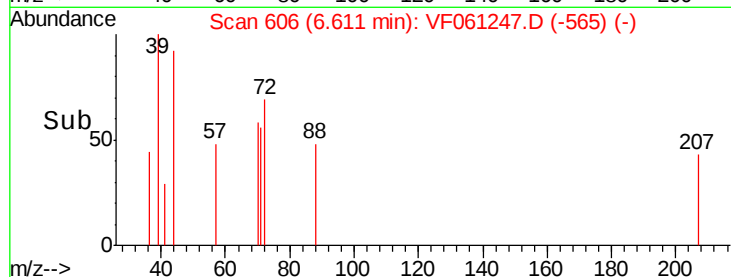
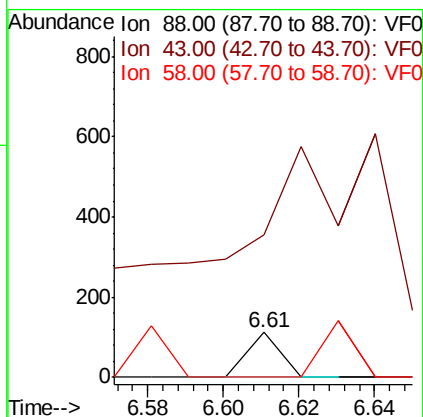
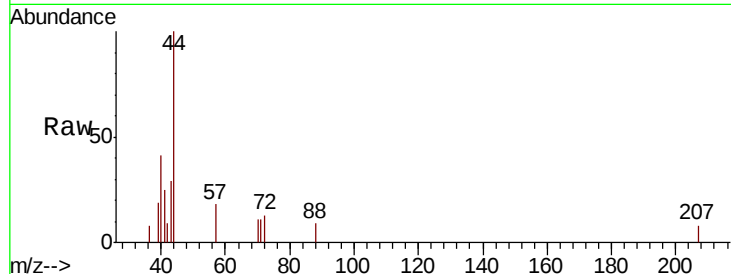




#49
1,4-Dioxane
Concen: 6.354 ug/l
RT: 6.61 min Scan# 606
Delta R.T. -0.10 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

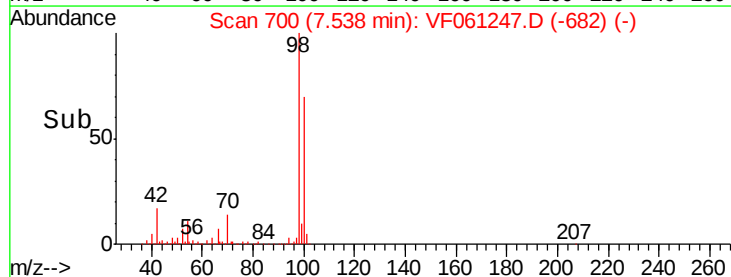
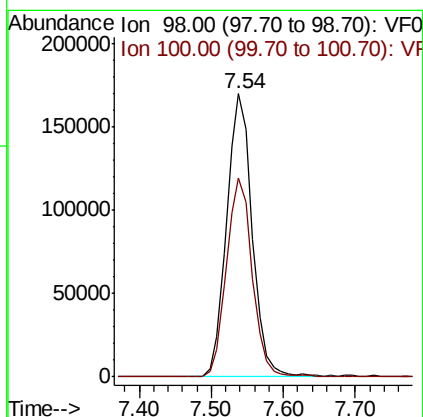
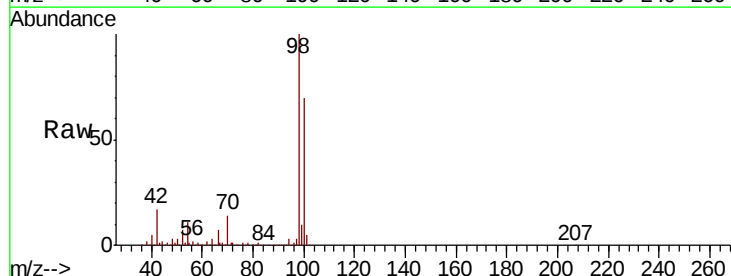
Instrument :
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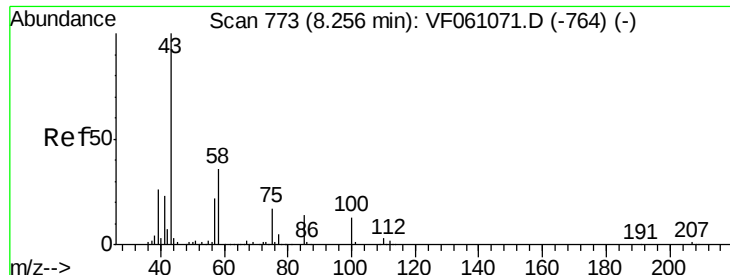
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 317.0 33.3 49.9#
58 0.0 53.2 79.8#



#50
Toluene-d8
Concen: 52.467 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

Tgt Ion: 98 Resp: 419060
Ion Ratio Lower Upper
98 100
100 70.1 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 3.016 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

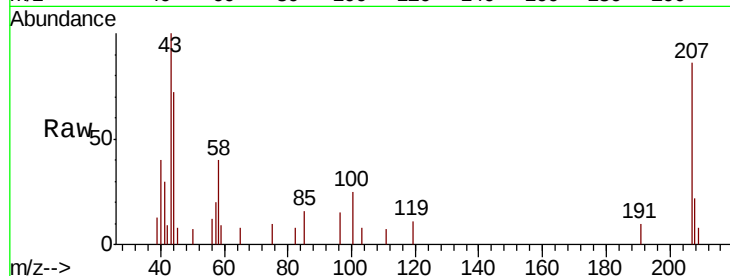
VF0102SBL01

Tgt Ion: 43 Resp: 4241

Ion Ratio Lower Upper

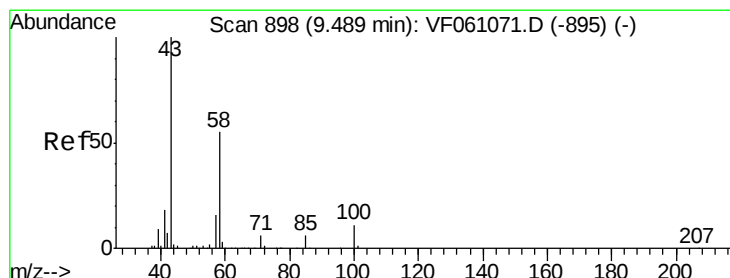
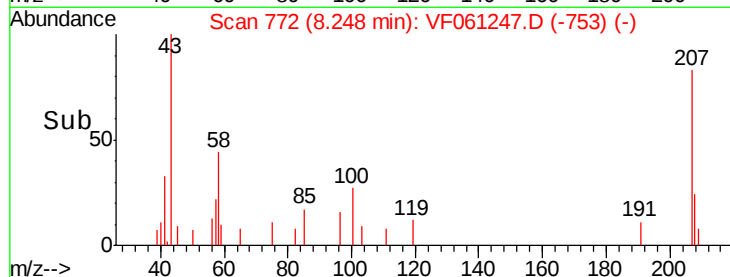
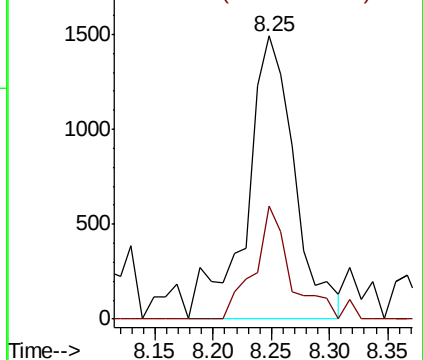
43 100

58 40.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 5.297 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.01 min

Lab File: VF061247.D

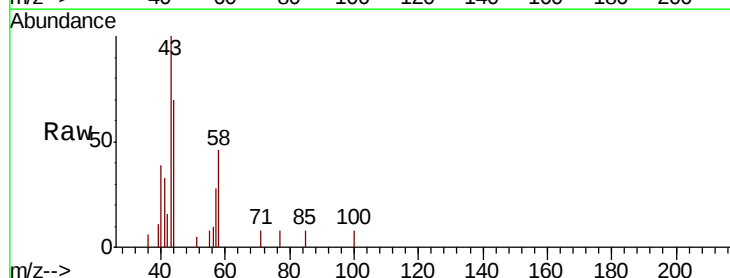
Acq: 2 Jan 2019 11:42

Tgt Ion: 43 Resp: 5387

Ion Ratio Lower Upper

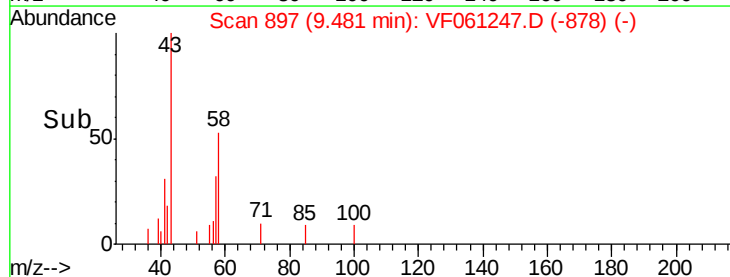
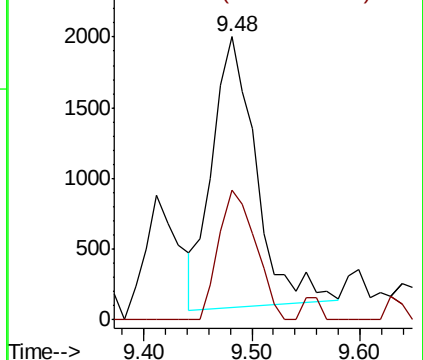
43 100

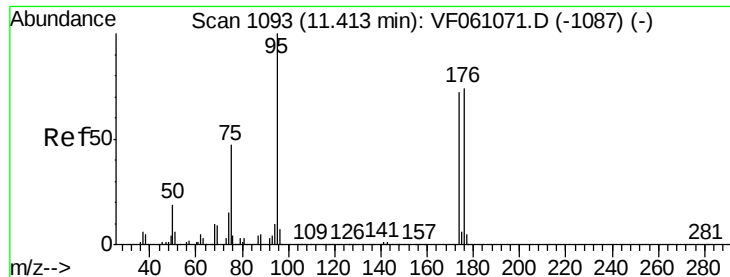
58 45.8 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 54.969 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBL01

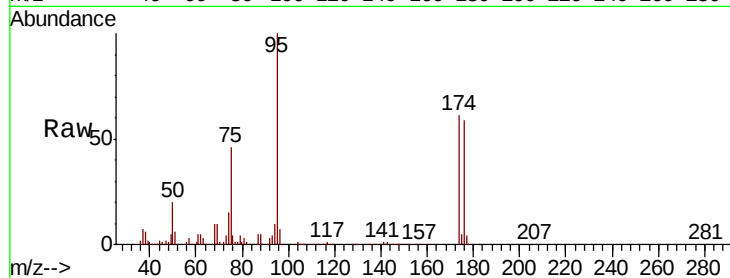
Tgt Ion: 95 Resp: 202406

Ion Ratio Lower Upper

95 100

174 60.7 0.0 143.8

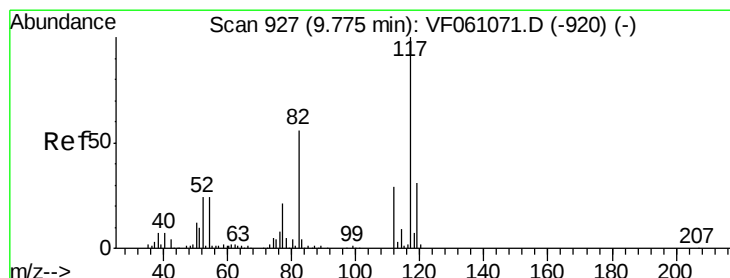
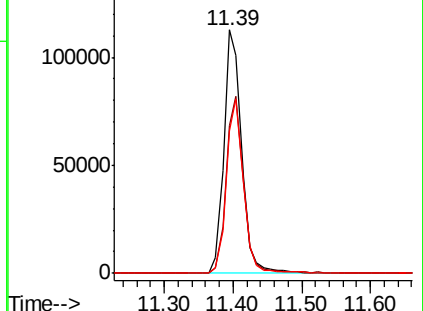
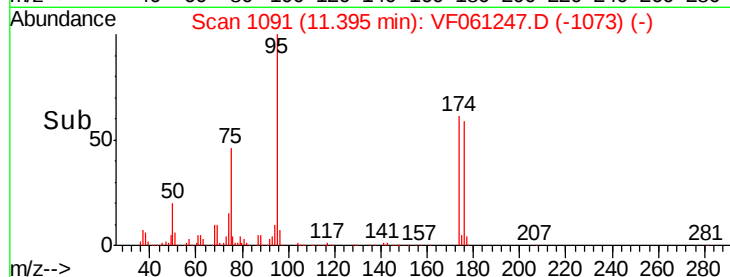
176 58.6 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.02 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

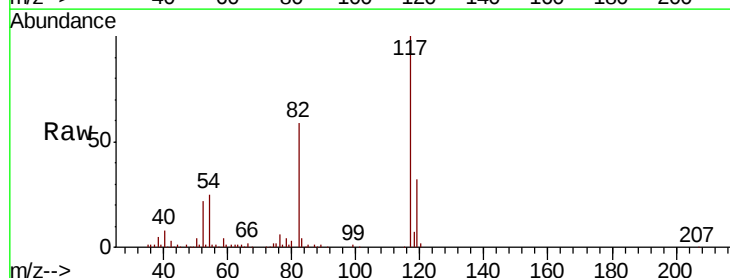
Tgt Ion: 117 Resp: 316666

Ion Ratio Lower Upper

117 100

82 59.3 45.0 67.4

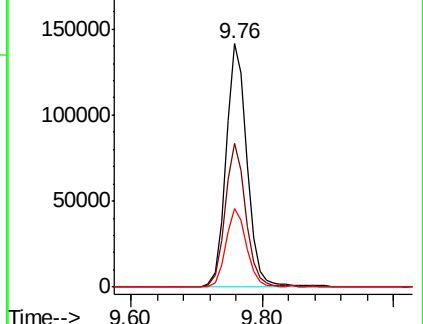
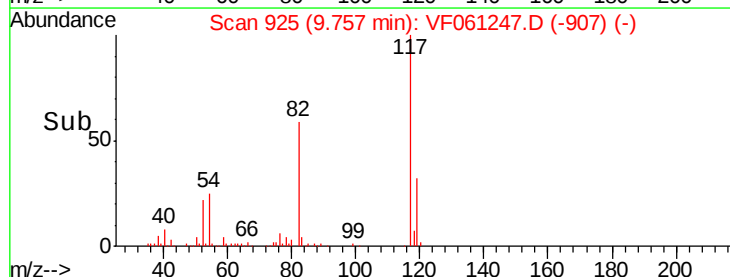
119 32.3 24.8 37.2

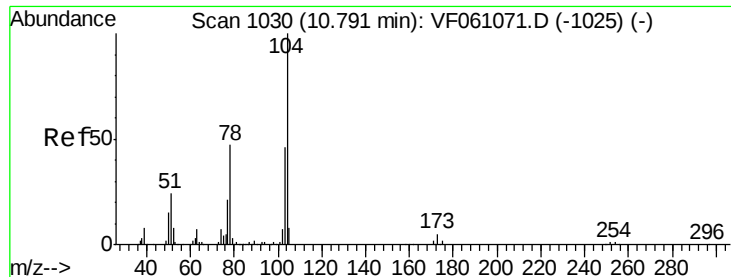


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

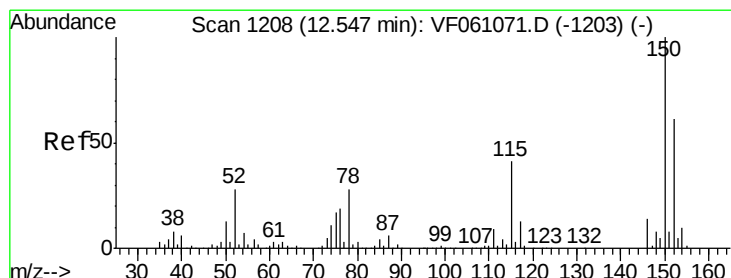
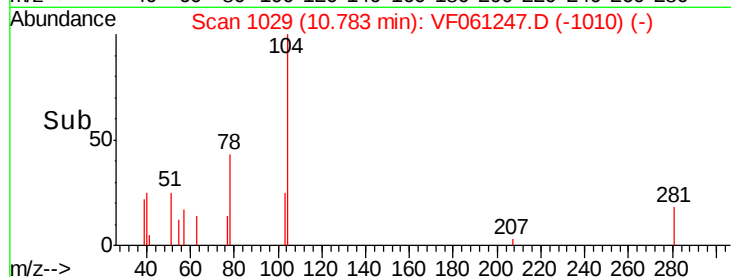
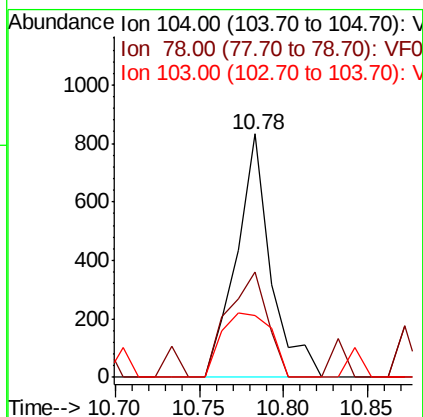
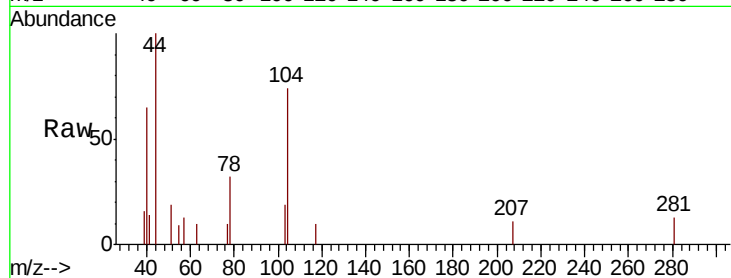




#70
Styrene
Concen: Below Cal
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

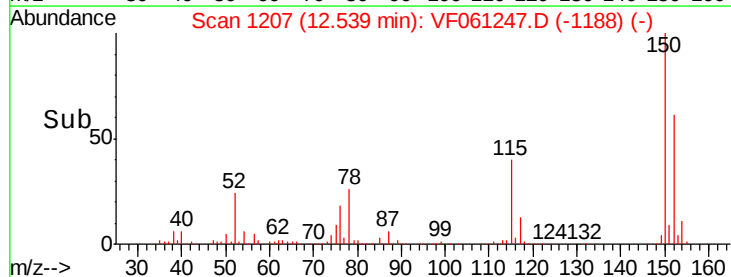
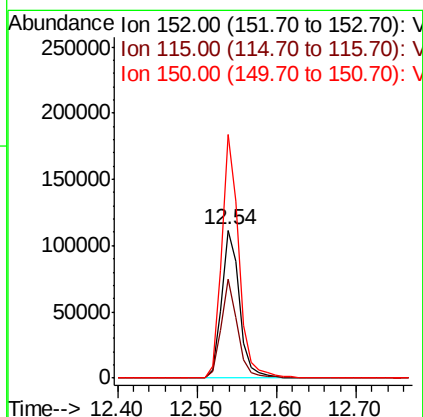
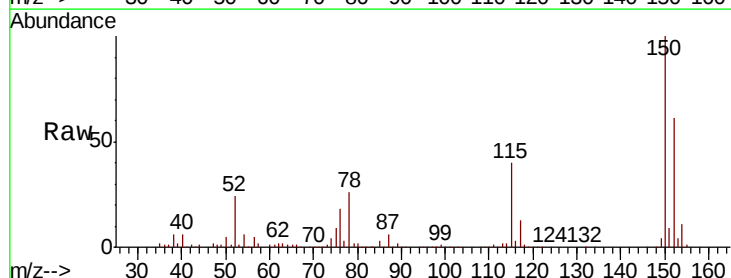
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBL01

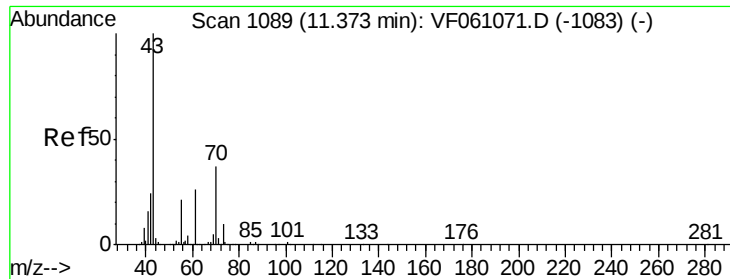
Tgt Ion:104 Resp: 1186
Ion Ratio Lower Upper
104 100
78 43.1 38.4 57.6
103 25.2 37.0 55.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

Tgt Ion:152 Resp: 178051
Ion Ratio Lower Upper
152 100
115 66.8 33.3 99.9
150 164.9 0.0 328.2

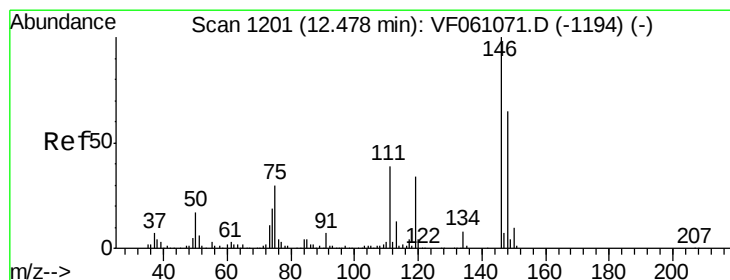
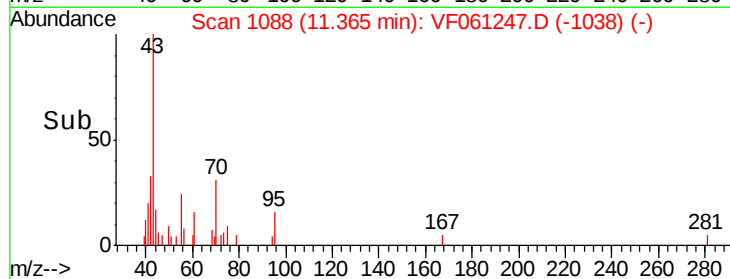
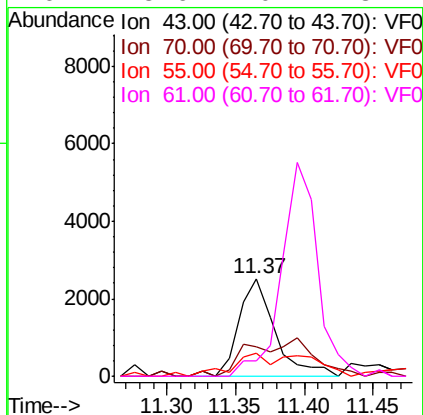
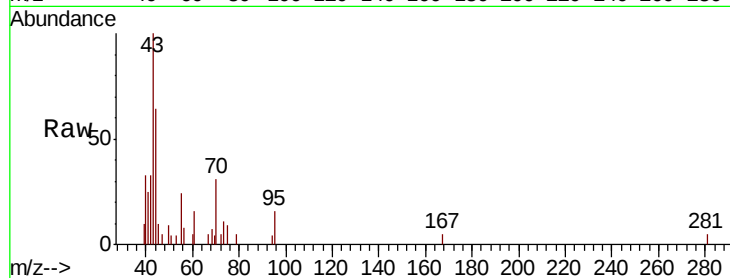




#74
N-ethyl acetate
Concen: 1.371 ug/l
RT: 11.37 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

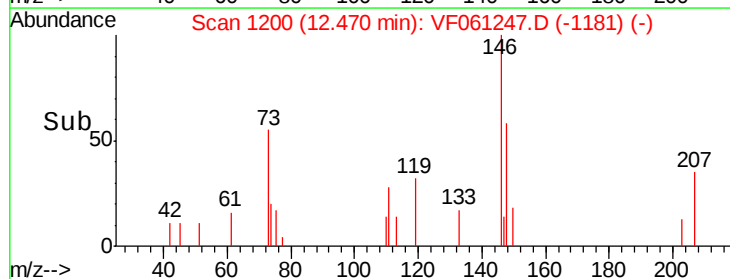
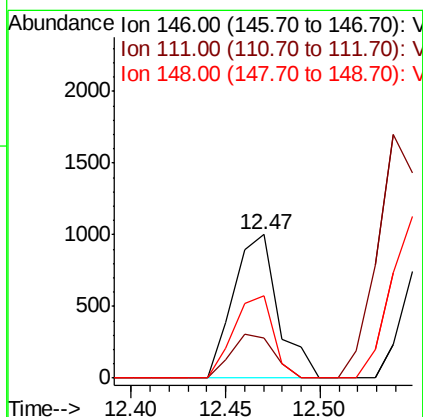
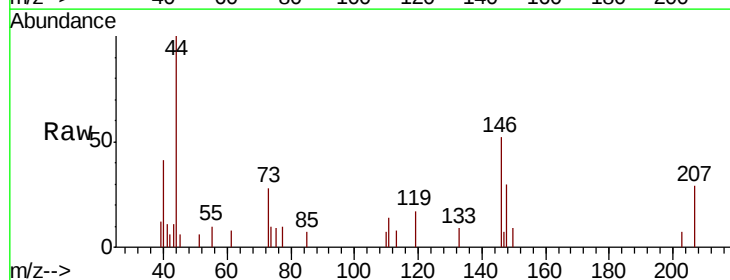
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBL01

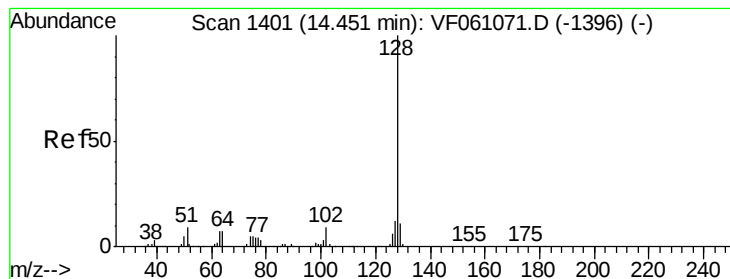
Tgt Ion:	43	Resp:	4672
Ion	Ratio	Lower	Upper
43	100		
70	30.6	29.2	43.8
55	23.7	16.5	24.7
61	15.6	20.7	31.1#



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.47 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VF061247.D
Acq: 2 Jan 2019 11:42

Tgt Ion:	146	Resp:	1637
Ion	Ratio	Lower	Upper
146	100		
111	27.6	19.3	57.9
148	57.5	32.4	97.2





#95

Naphthalene

Concen: 1.262 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061247.D

Acq: 2 Jan 2019 11:42

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBL01

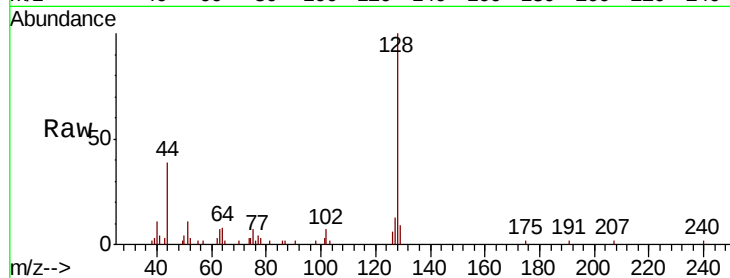
Tgt Ion:128 Resp: 9648

Ion Ratio Lower Upper

128 100

127 13.4 9.4 14.2

129 9.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

