

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060893.D
 Acq On : 3 Dec 2018 16:02
 Operator : VA/AP
 Sample : J5771-11RE
 Misc : 5.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-C

Quant Time: Dec 04 03:10:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	189990	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	350475	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	301147	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	142457	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	122088	54.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	109.10%	
35) Dibromofluoromethane	4.13	113	137636	49.50	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.00%	
50) Toluene-d8	7.57	98	307314	37.52	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	75.04%	
62) 4-Bromofluorobenzene	11.43	95	147988	39.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.52%	

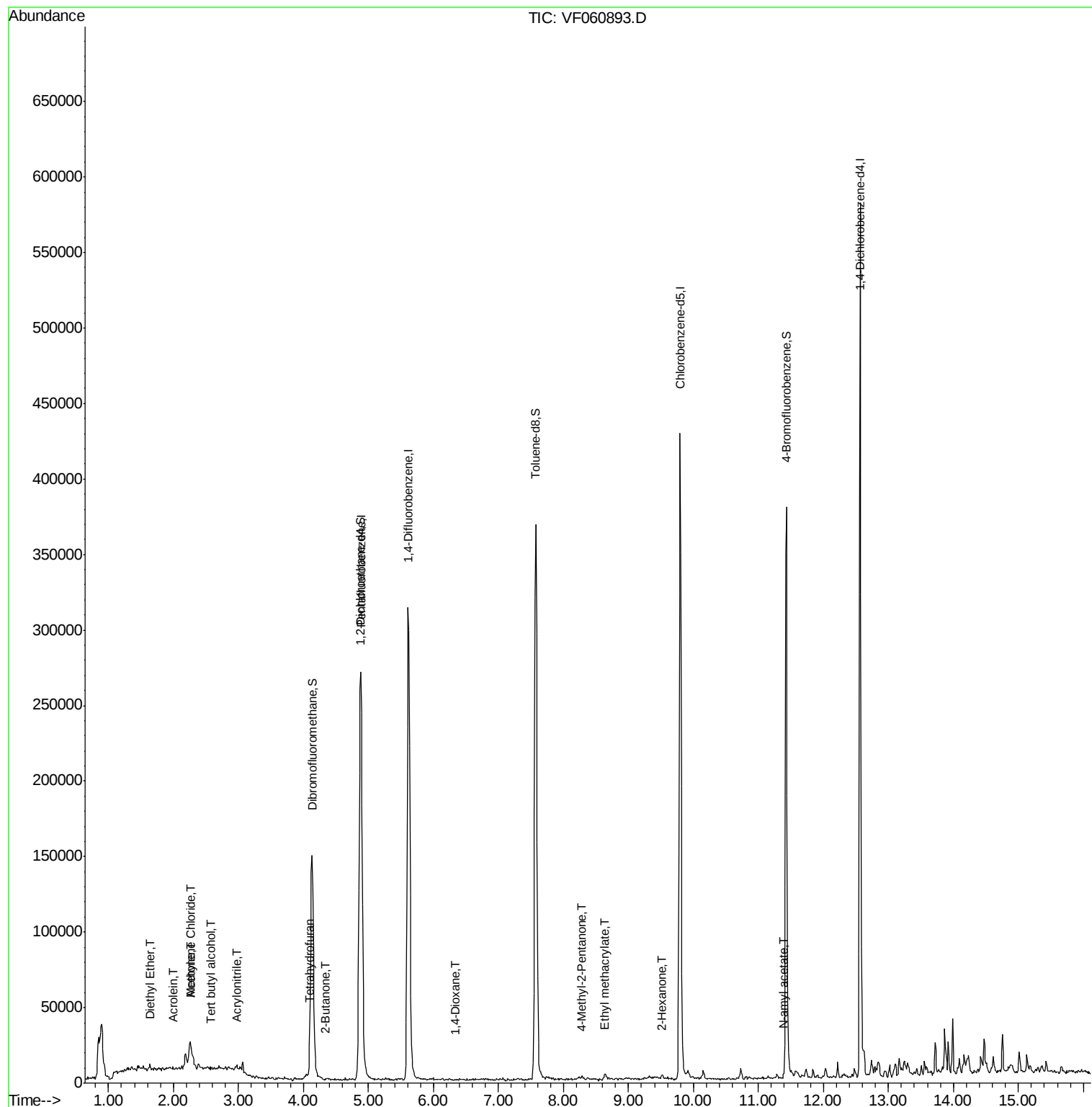
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	933	1.754	ug/l	57
11) Tert butyl alcohol	2.58	59	284	3.095	ug/l #	1
13) Acrolein	1.99	56	292	3.359	ug/l #	31
15) Acrylonitrile	2.96	53	1059	5.149	ug/l #	33
16) Acetone	2.25	43	6461	15.654	ug/l	95
18) Methyl Acetate	2.33	43	886	Below Cal	#	61
20) Methylene Chloride	2.26	84	11163	7.373	ug/l	90
25) 2-Butanone	4.34	43	859	1.203	ug/l #	57
29) Tetrahydrofuran	4.08	42	997	3.295	ug/l #	37
41) Methacrylonitrile	4.75	41	234	Below Cal	#	31
43) Isopropyl Acetate	6.97	43	928	Below Cal	#	49
49) 1,4-Dioxane	6.34	88	65	6.211	ug/l #	1
51) 4-Methyl-2-Pentanone	8.29	43	2473	1.698	ug/l #	81
56) Ethyl methacrylate	8.65	69	2052	1.051	ug/l #	66
59) 2-Hexanone	9.52	43	3115	3.048	ug/l	85
74) N-amyl acetate	11.38	43	2810	1.081	ug/l	94
95) Naphthalene	14.47	128	9120	Below Cal	#	90

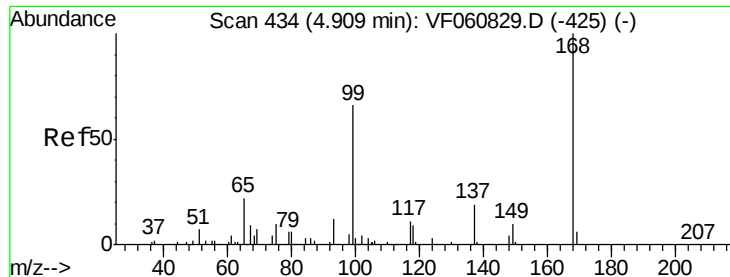
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
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: VF060893.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

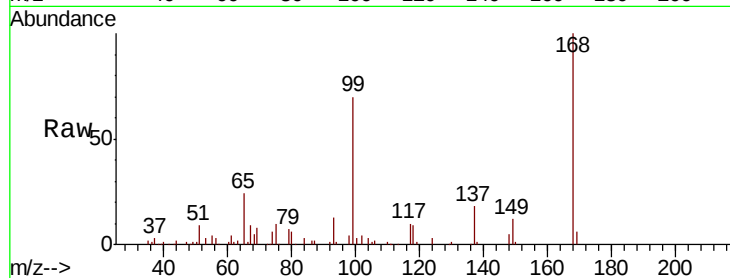
EO-02-112918-C

Tot Ion:168 Resp: 189990

Ion Ratio Lower Upper

168 100

99 70.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

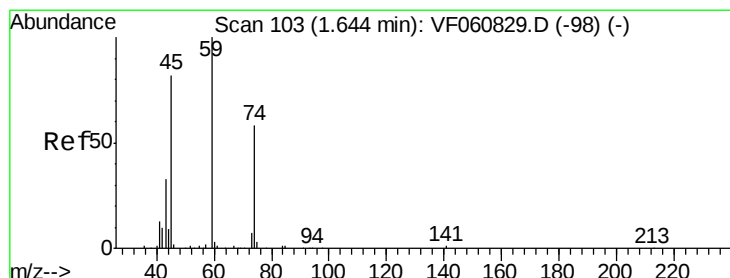
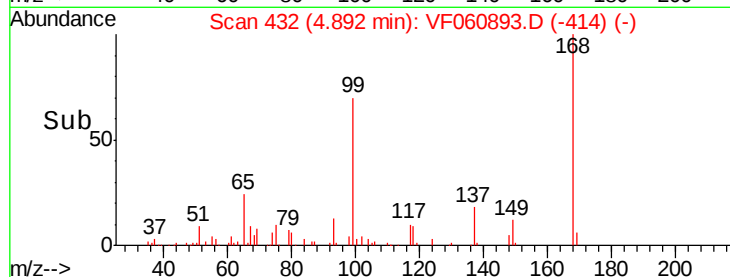
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.754 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060893.D

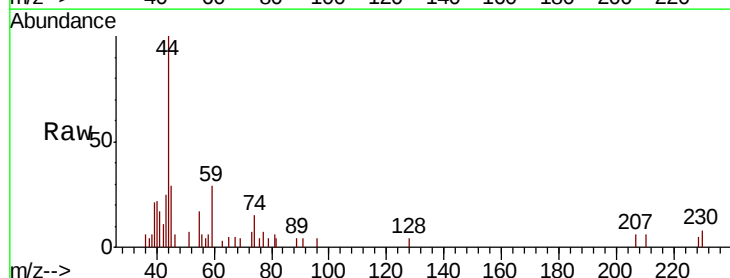
Acq: 3 Dec 2018 16:02

Tgt Ion: 74 Resp: 933

Ion Ratio Lower Upper

74 100

45 194.5 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1000

800

600

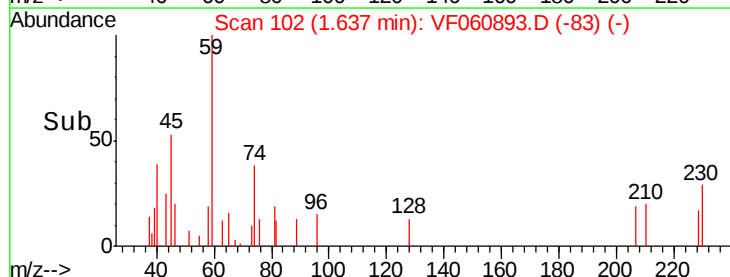
400

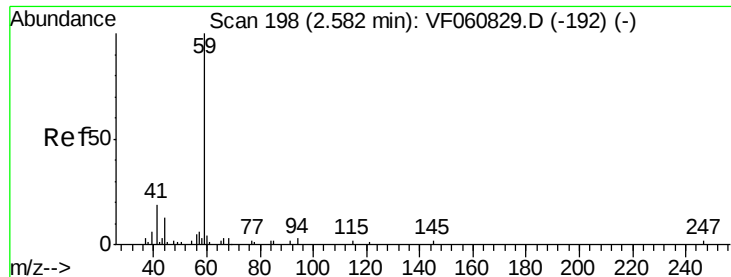
200

0

Time-->

1.60 1.65 1.70

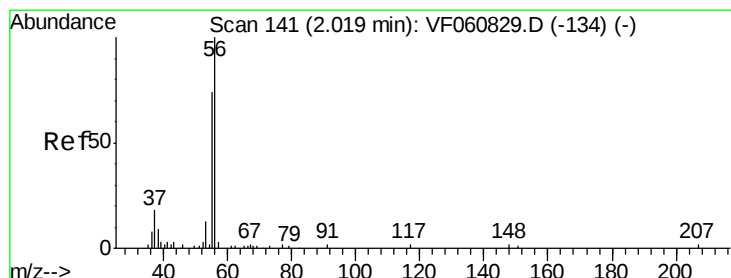
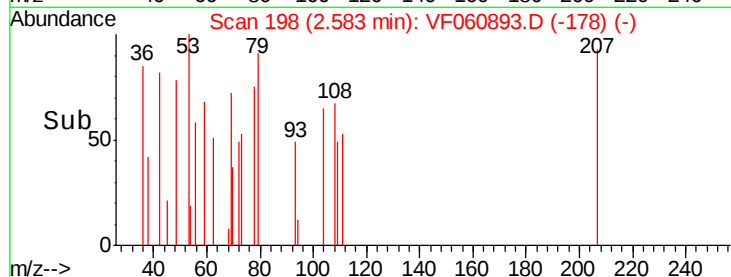
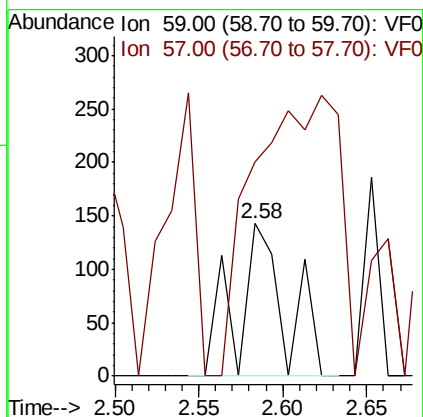
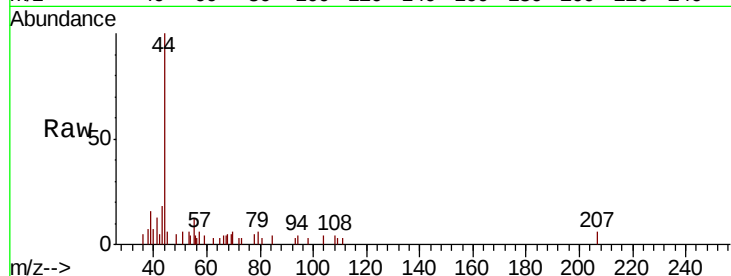




#11
Tert butyl alcohol
Concen: 3.095 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

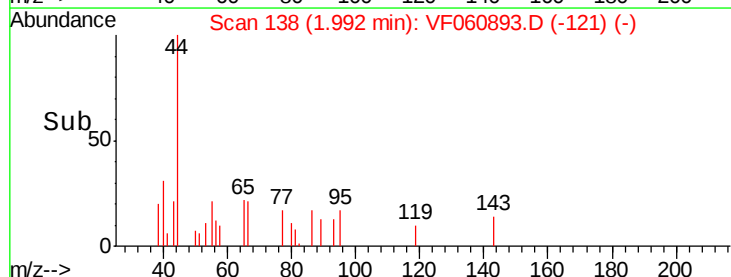
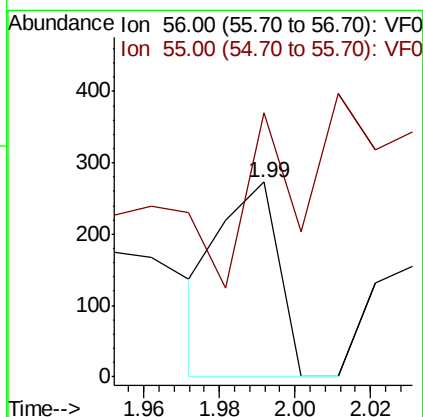
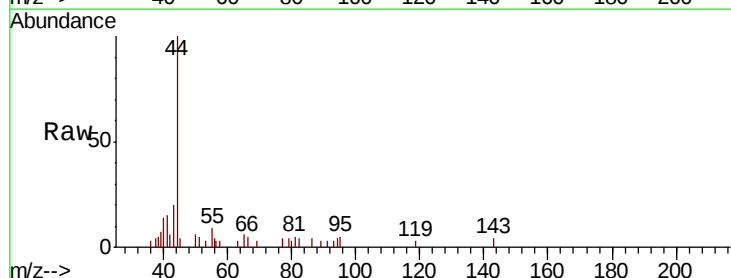
Instrument :
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EO-02-112918-C

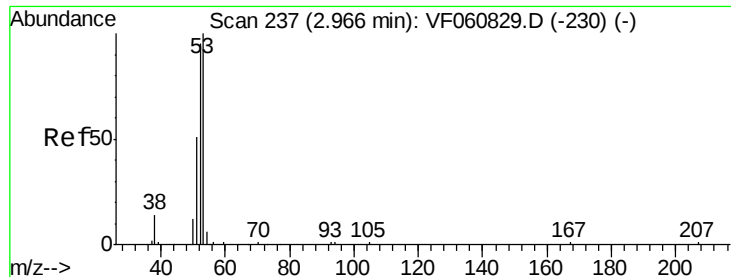
Tot Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 140.6 12.7 19.1#



#13
Acrolein
Concen: 3.359 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 135.9 61.2 91.8#





#15

Acrylonitrile

Concen: 5.149 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

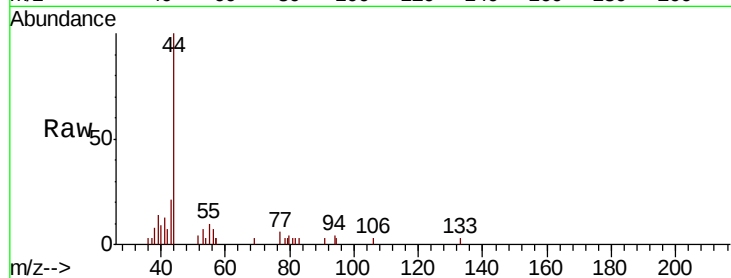
Tot Ion: 53 Resp: 1059

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

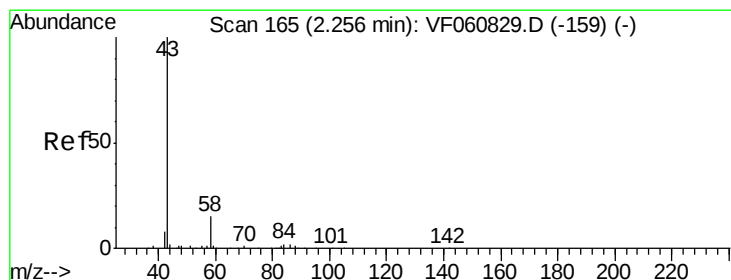
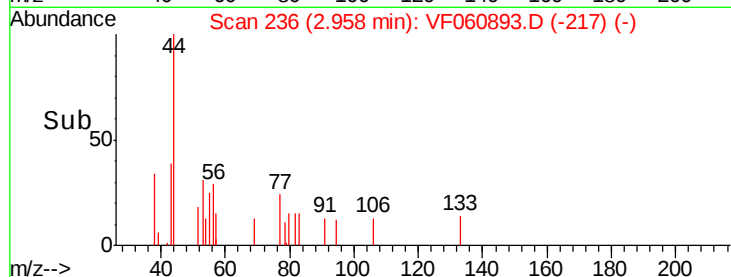
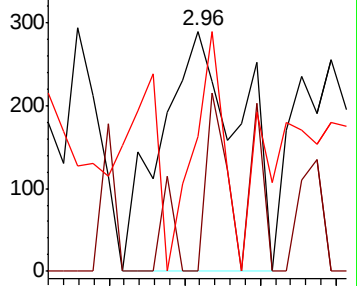
51 56.2 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 15.654 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060893.D

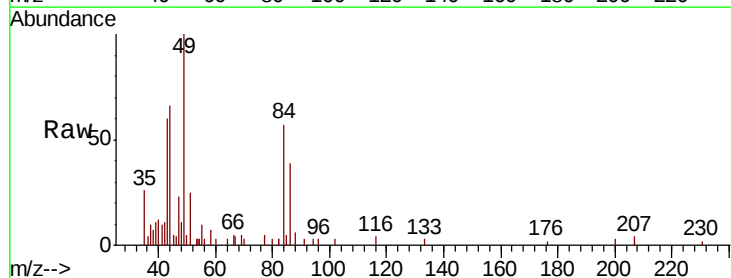
Acq: 3 Dec 2018 16:02

Tgt Ion: 43 Resp: 6461

Ion Ratio Lower Upper

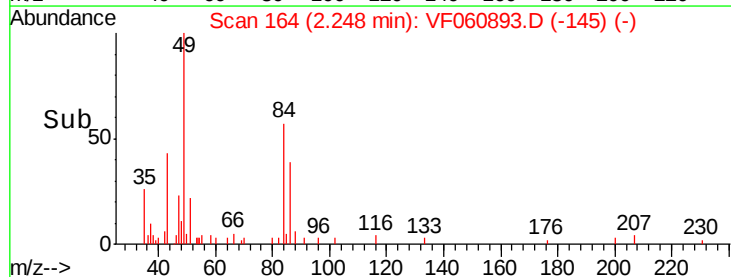
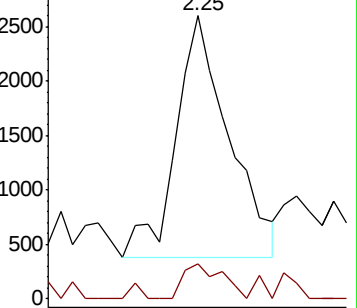
43 100

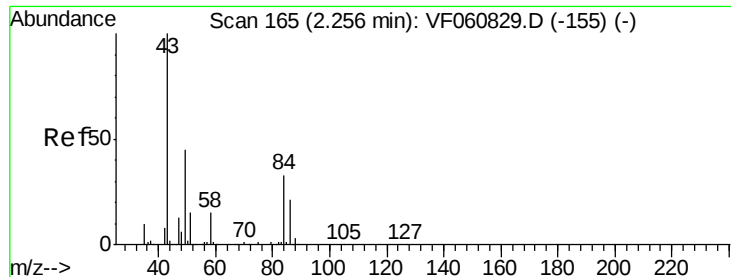
58 12.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

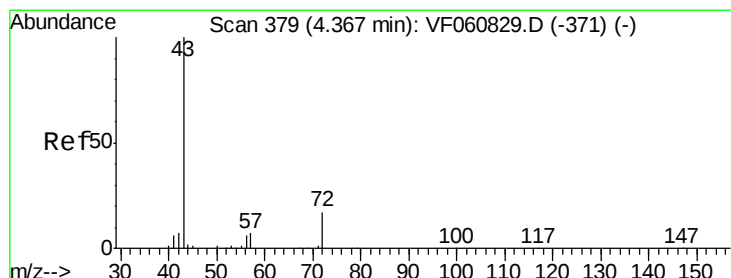
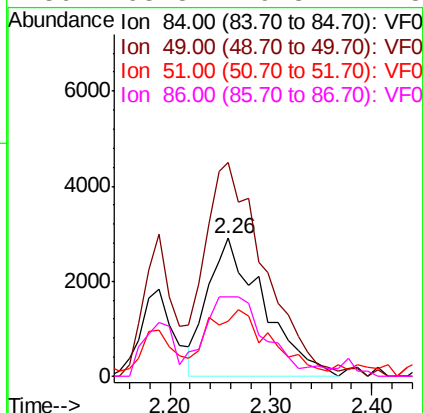
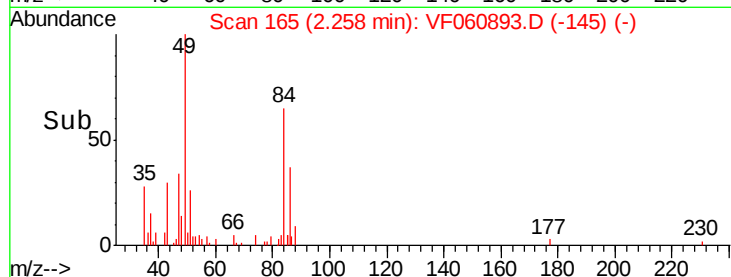
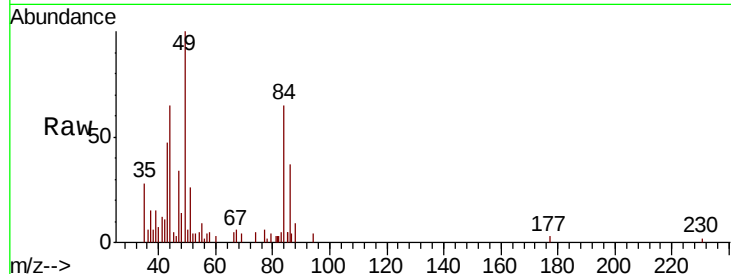




#20
Methvlene Chloride
Concen: 7.373 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

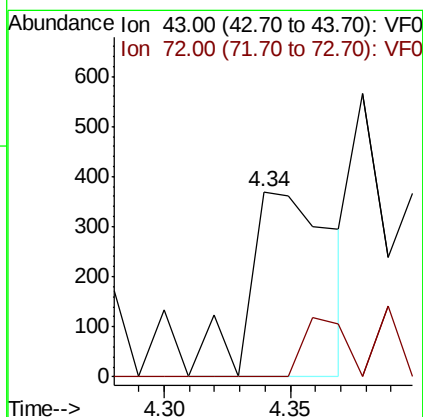
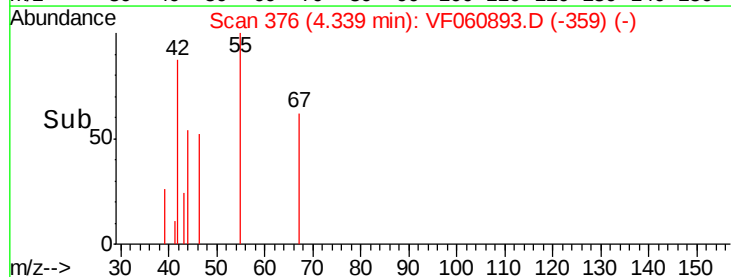
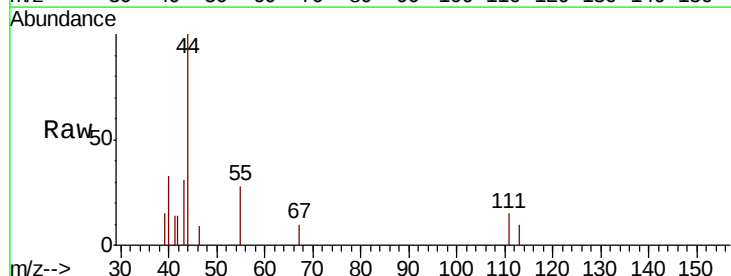
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

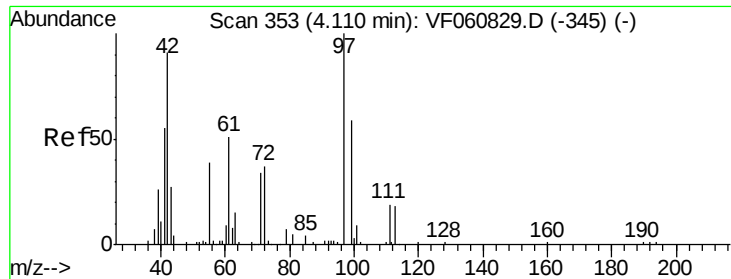
Tot Ion: 84 Resp: 11163
Ion Ratio Lower Upper
84 100
49 154.8 111.3 166.9
51 39.6 38.0 57.0
86 63.8 49.8 74.8



#25
2-Butanone
Concen: 1.203 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#

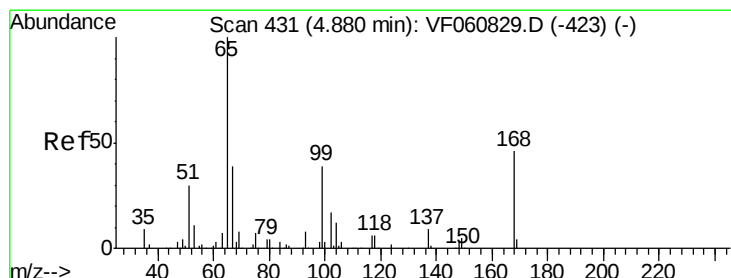
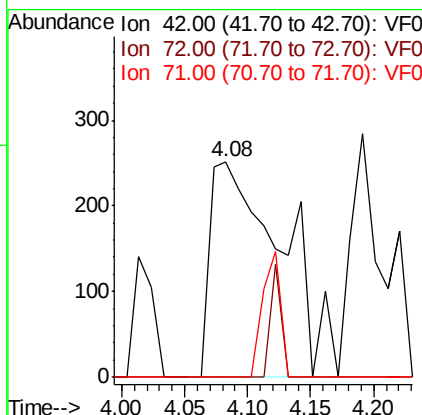
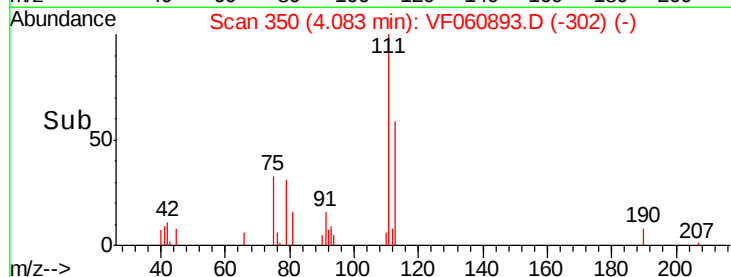
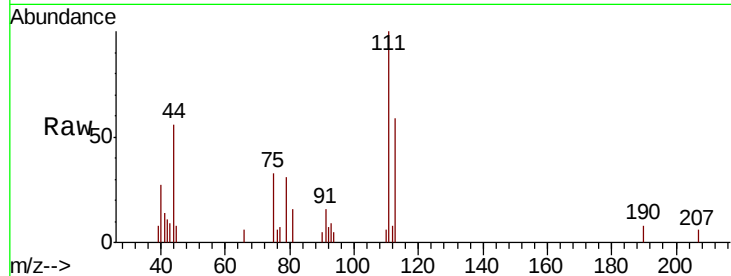




#29
Tetrahydrofuran
Concen: 3.295 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

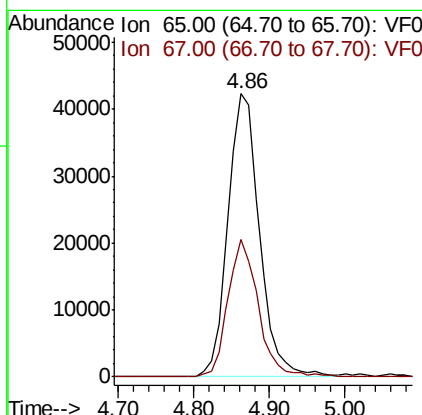
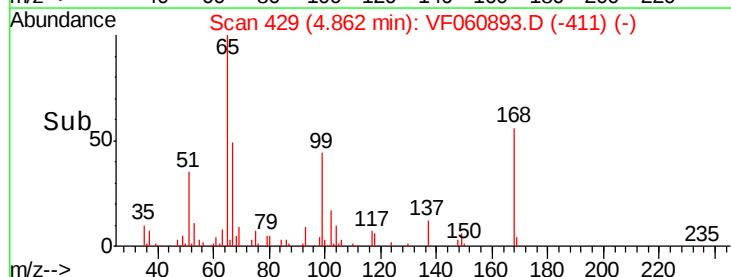
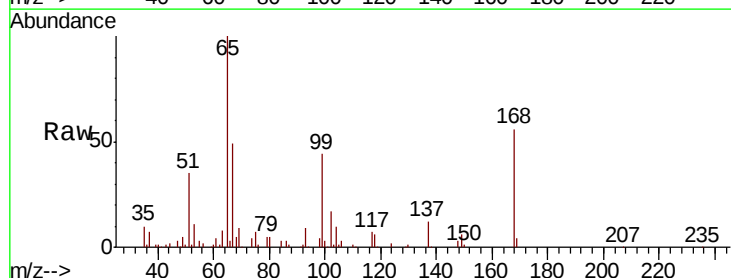
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ClientSampleId :
EO-02-112918-C

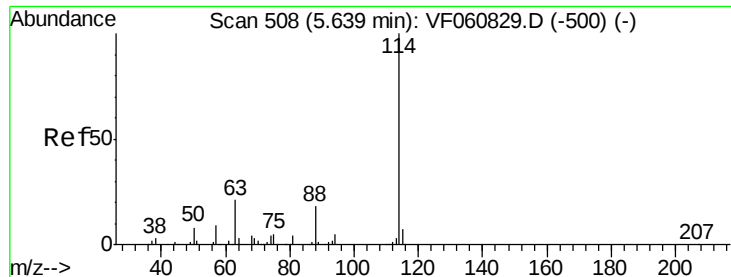
Tot Ion: 42 Resp: 997
Ion Ratio Lower Upper
42 100
72 0.0 31.9 47.9#
71 0.0 28.7 43.1#



#33
1,2-Dichloroethane-d4
Concen: 54.549 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.02 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 65 Resp: 122088
Ion Ratio Lower Upper
65 100
67 48.6 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

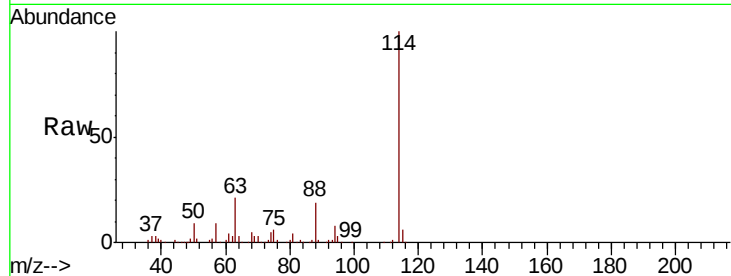
Tot Ion:114 Resp: 350475

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

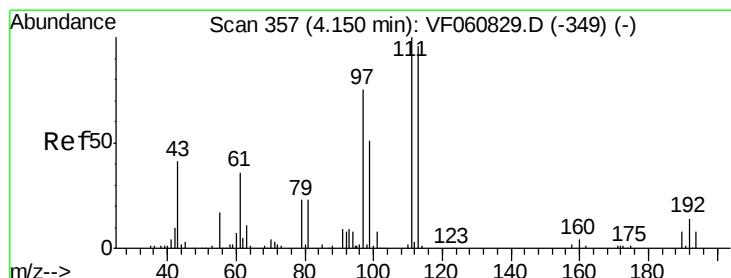
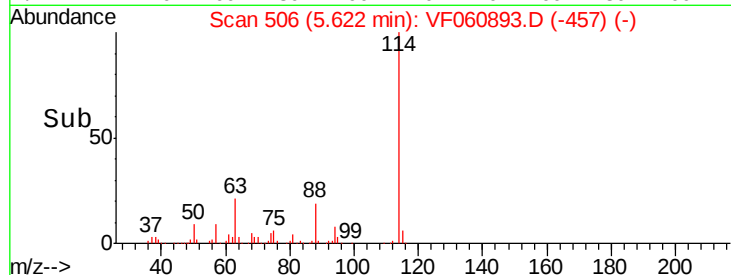
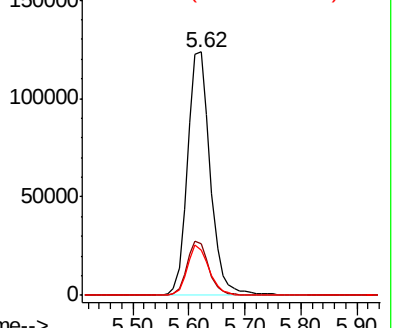
88 18.6 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 49.502 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

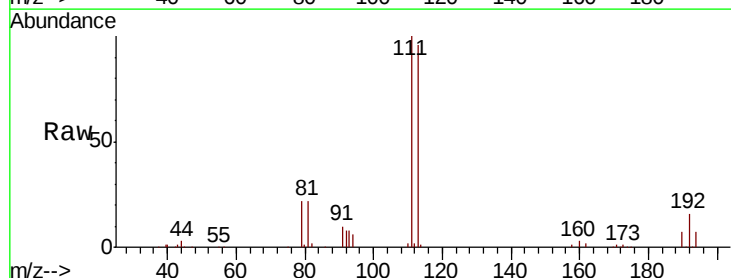
Tgt Ion:113 Resp: 137636

Ion Ratio Lower Upper

113 100

111 104.5 83.0 124.6

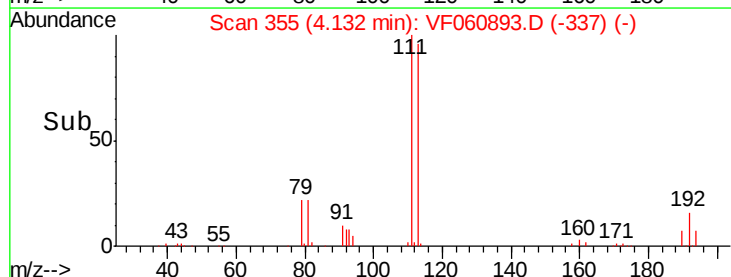
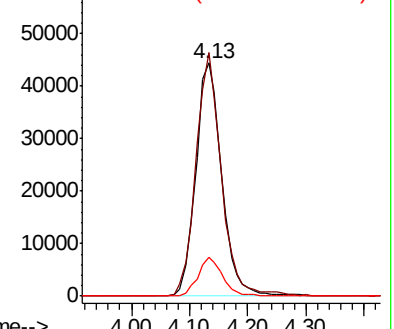
192 16.9 12.3 18.5

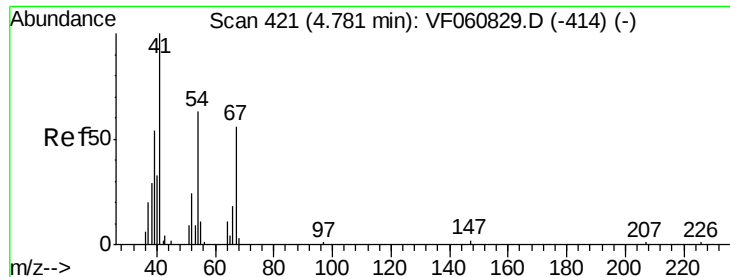


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

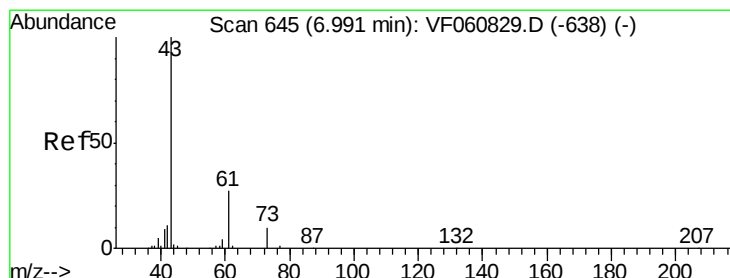
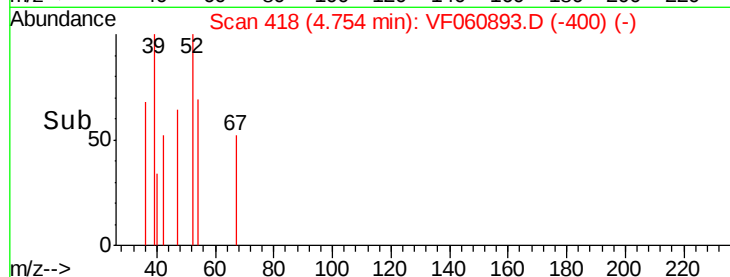
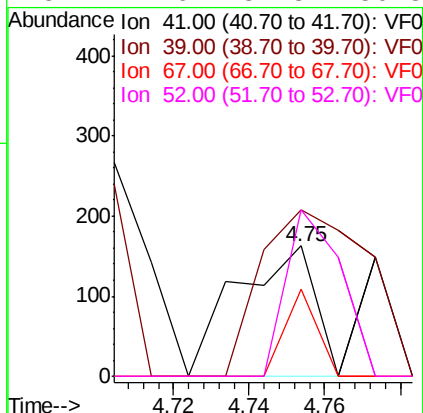
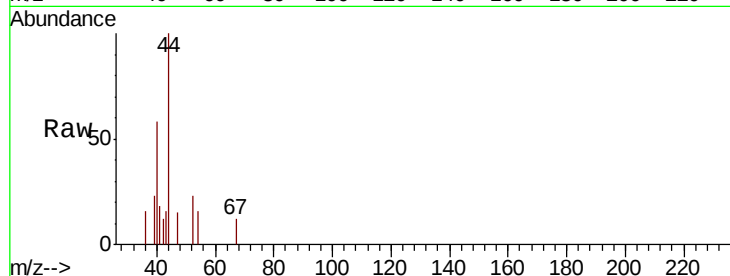




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

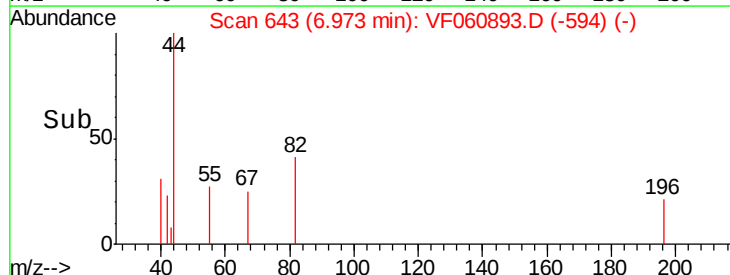
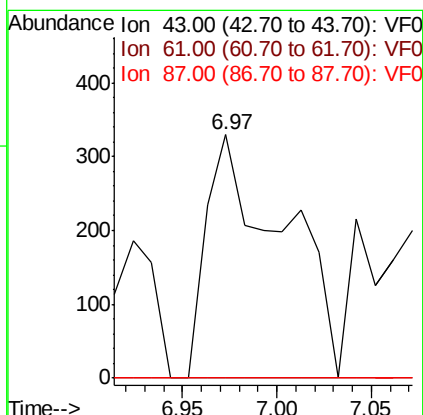
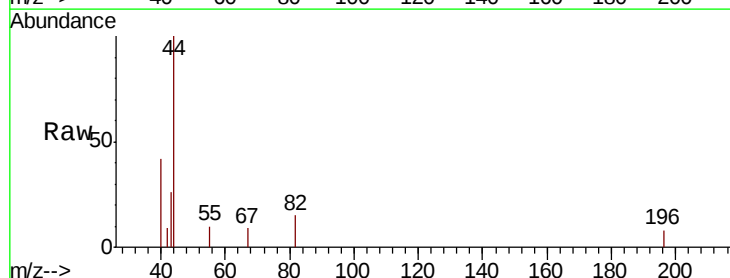
Instrument :
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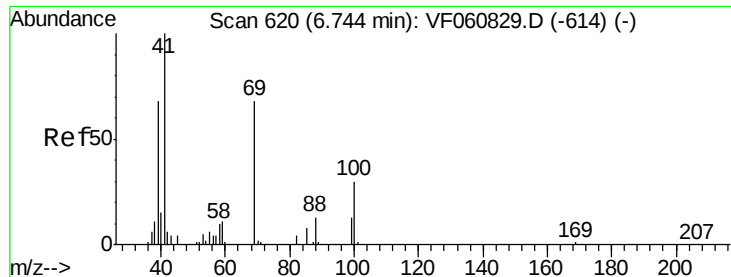
Tot Ion:	41	Resp:	234
Ion	Ratio	Lower	Upper
41	100		
39	127.6	53.0	79.6#
67	66.3	43.8	65.6#
52	127.6	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.97 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

Tgt Ion:	43	Resp:	928
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#





#49

1,4-Dioxane

Concen: 6.211 ug/l

RT: 6.34 min Scan# 579

Delta R.T. -0.40 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

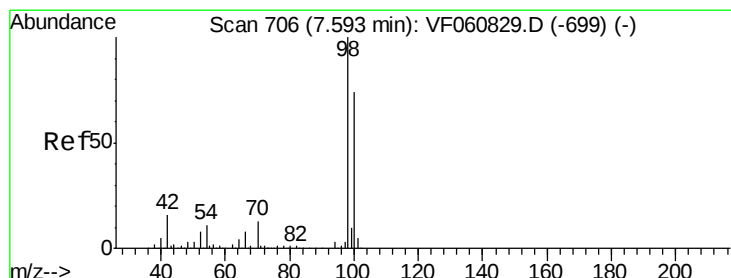
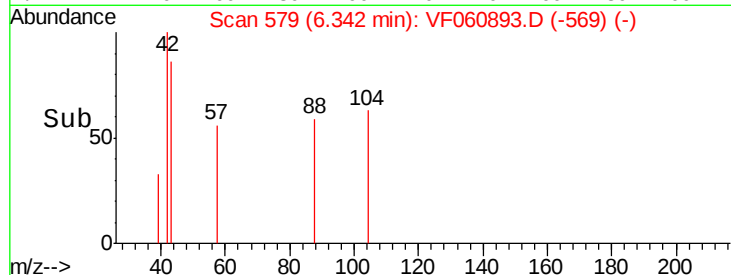
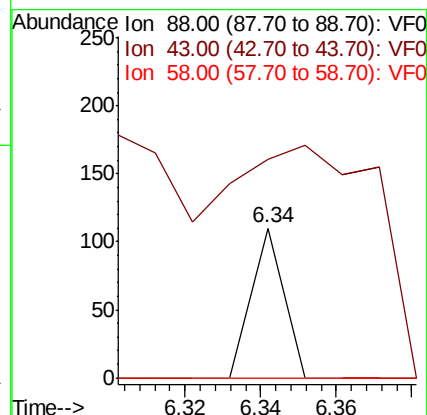
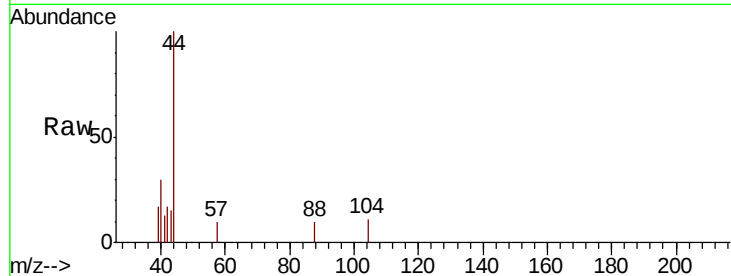
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 146.4 42.0 63.0#

58 0.0 61.8 92.8#



#50

Toluene-d8

Concen: 37.522 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060893.D

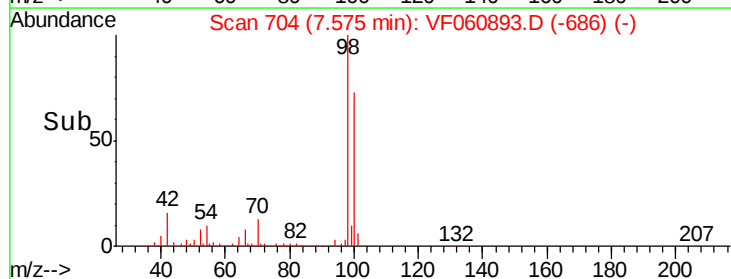
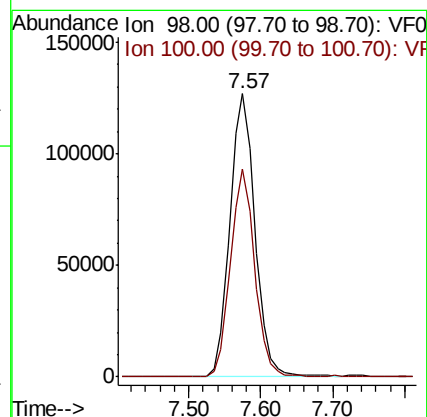
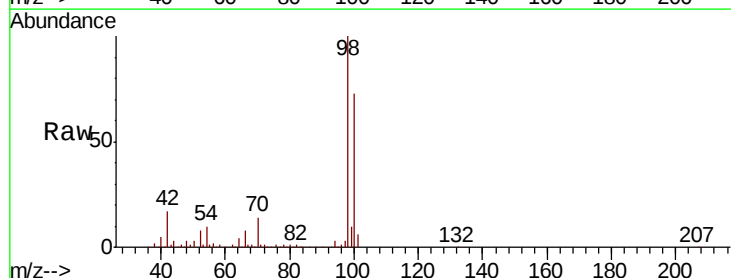
Acq: 3 Dec 2018 16:02

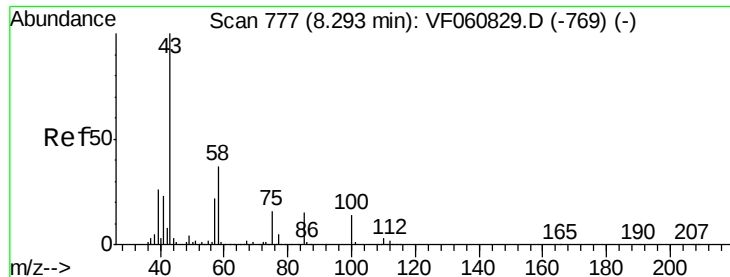
Tgt Ion: 98 Resp: 307314

Ion Ratio Lower Upper

98 100

100 73.4 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 1.698 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

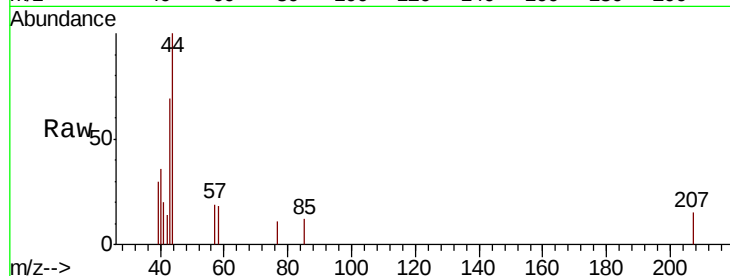
EO-02-112918-C

Tot Ion: 43 Resp: 2473

Ion Ratio Lower Upper

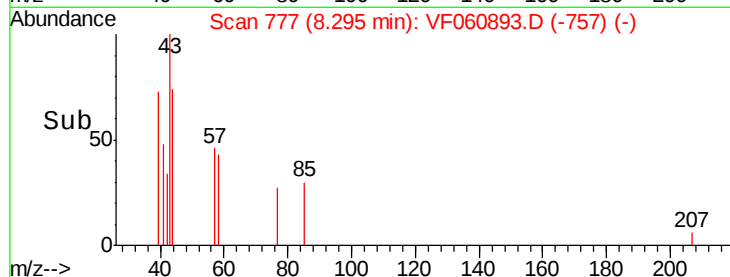
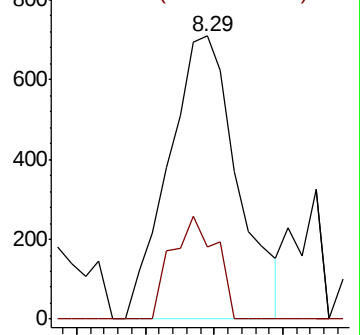
43 100

58 25.7 29.7 44.5#

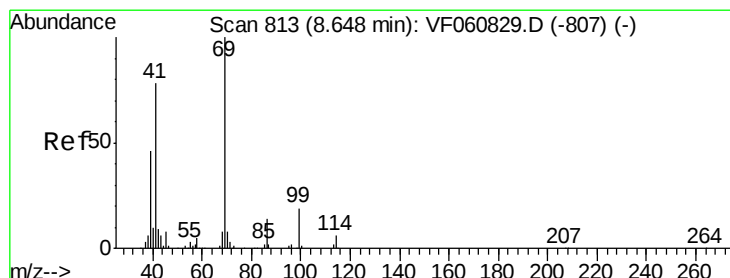


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#56

Ethyl methacrylate

Concen: 1.051 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.00 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

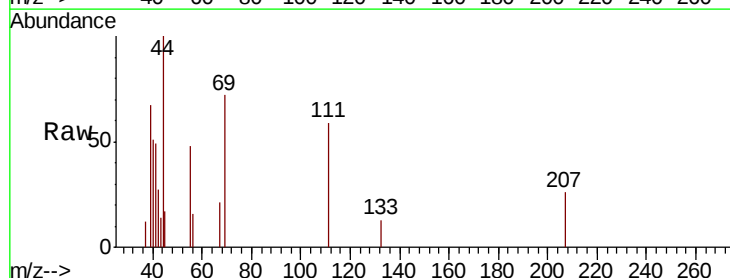
Tgt Ion: 69 Resp: 2052

Ion Ratio Lower Upper

69 100

41 67.5 62.6 94.0

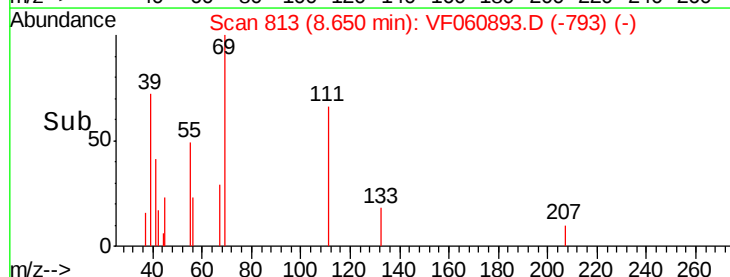
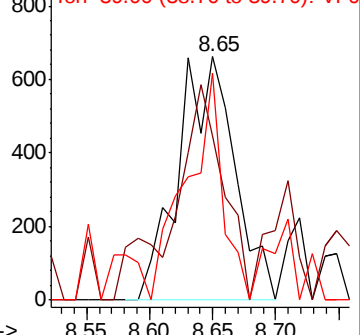
39 93.2 37.8 56.6#



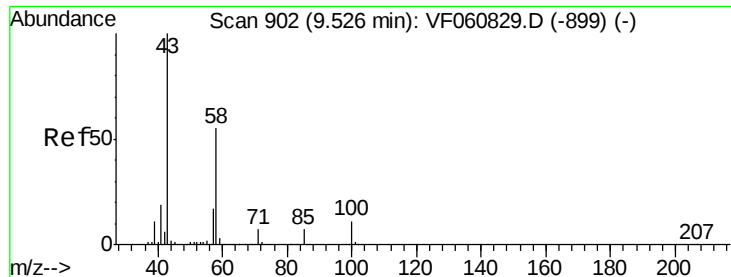
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



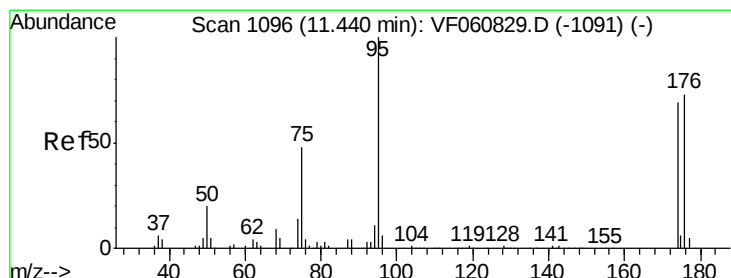
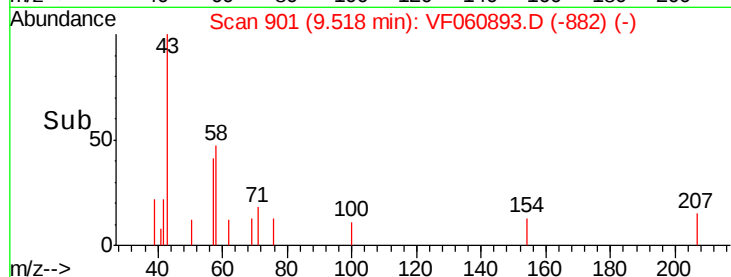
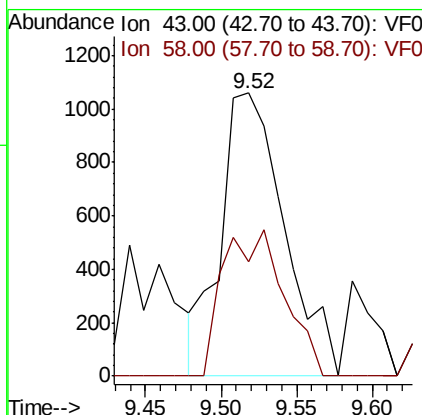
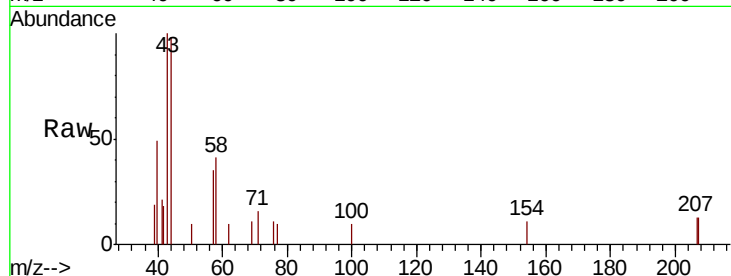
Time-->



#59
2-Hexanone
Concen: 3.048 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

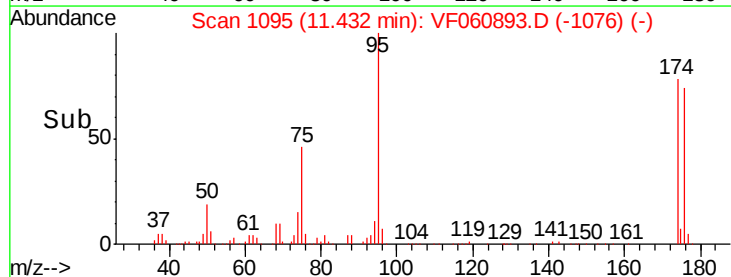
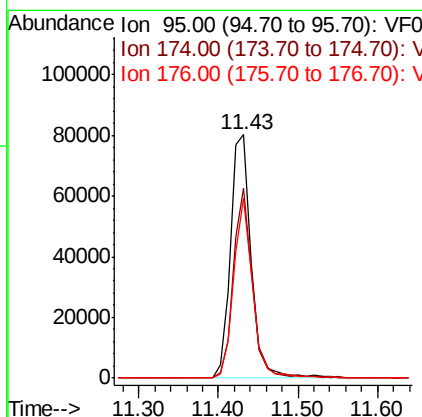
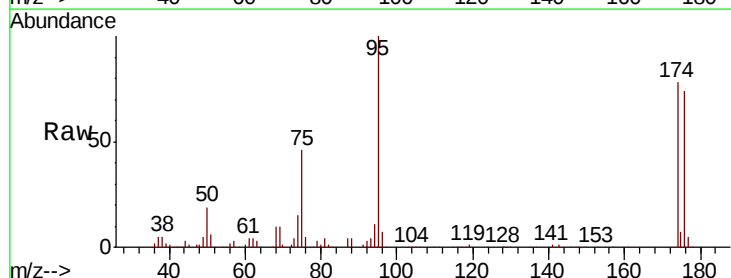
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

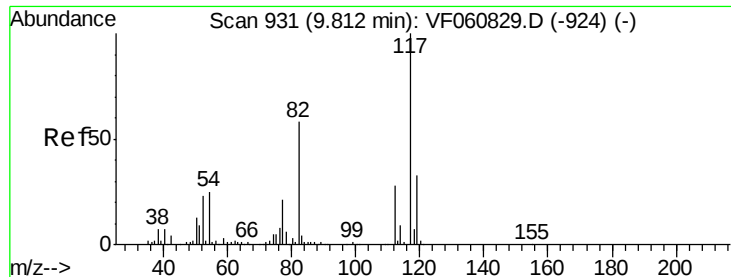
Tot Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
58 40.6 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 39.757 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 95 Resp: 147988
Ion Ratio Lower Upper
95 100
174 78.1 0.0 138.2
176 73.9 0.0 146.2

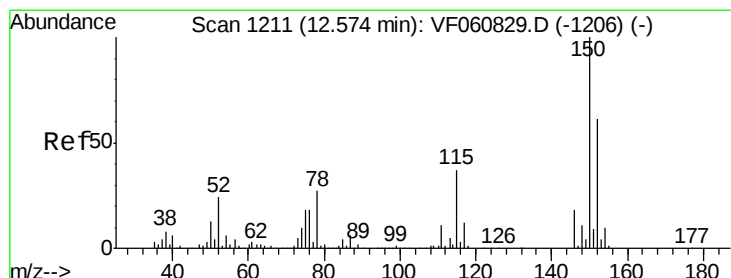
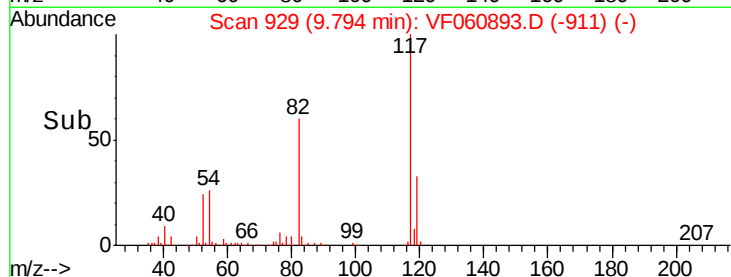
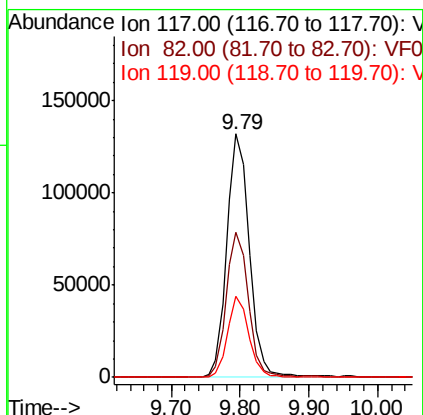
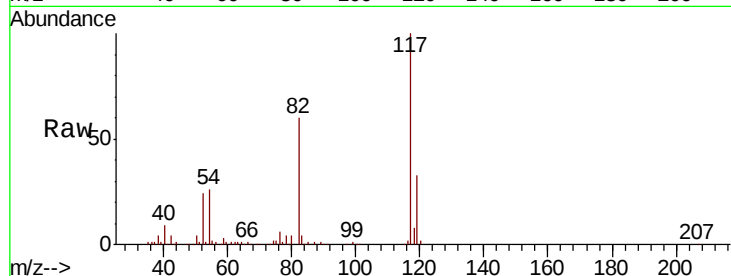




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

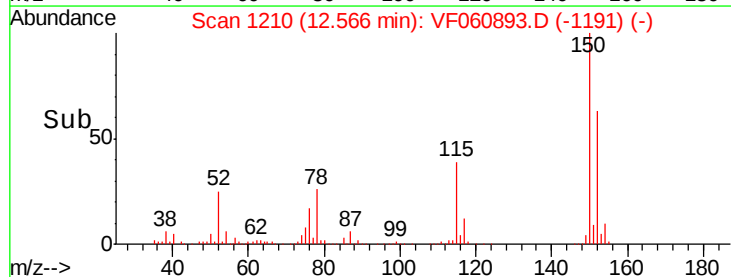
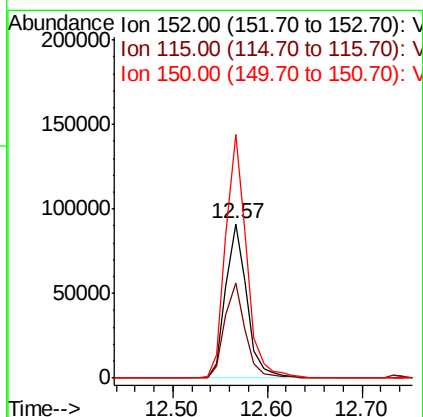
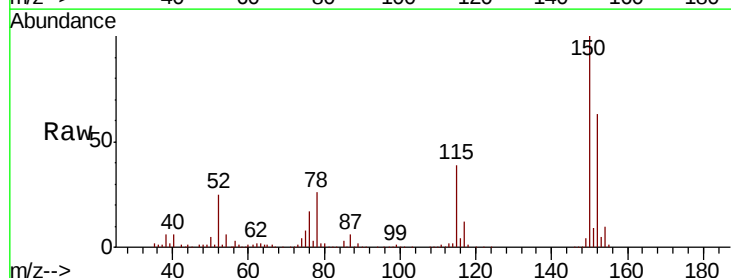
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-C

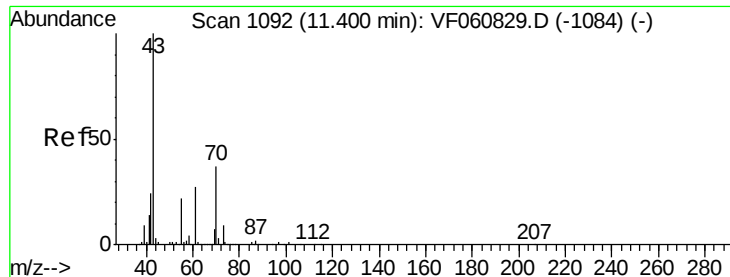
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.6	69.8
119	33.3	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060893.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.1	90.5
150	157.9	0.0	327.6





#74

N-amyl acetate

Concen: 1.081 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-C

Tot Ion: 43 Resp: 2810

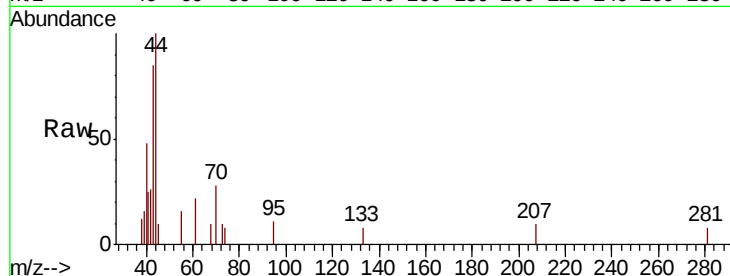
Ion Ratio Lower Upper

43 100

70 32.8 29.6 44.4

55 18.3 17.2 25.8

61 25.3 21.8 32.6

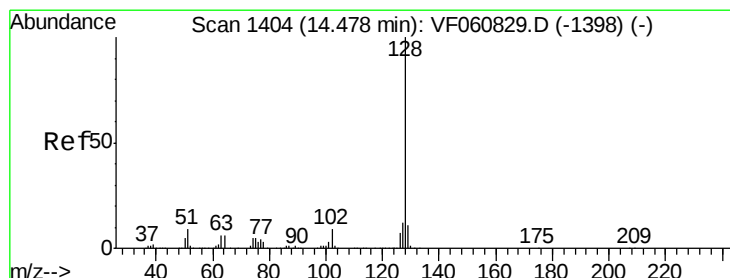
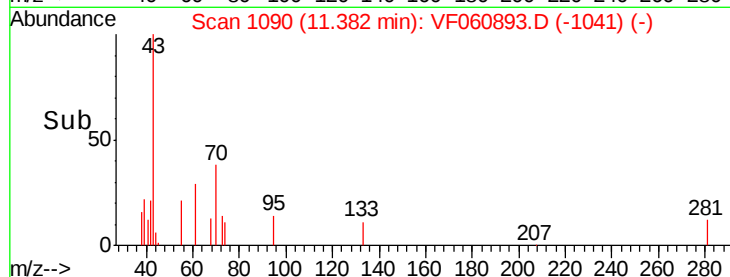
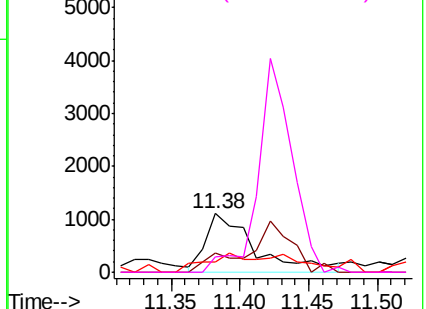


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#95

Naphthalene

Concen: Below Cal

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF060893.D

Acq: 3 Dec 2018 16:02

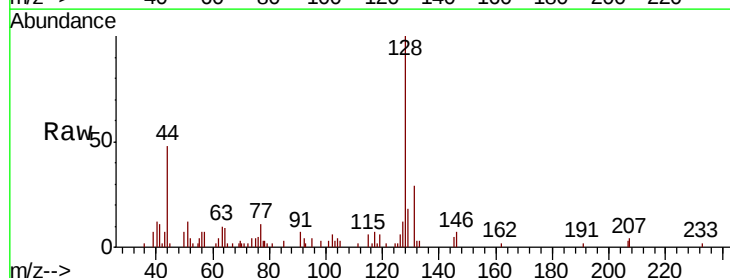
Tgt Ion: 128 Resp: 9120

Ion Ratio Lower Upper

128 100

127 11.8 9.9 14.9

129 18.3 9.1 13.7#



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

