

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060875.D
 Acq On : 29 Nov 2018 19:13
 Operator : VA/AP
 Sample : J5771-09
 Misc : 6.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Nov 30 05:59:53 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

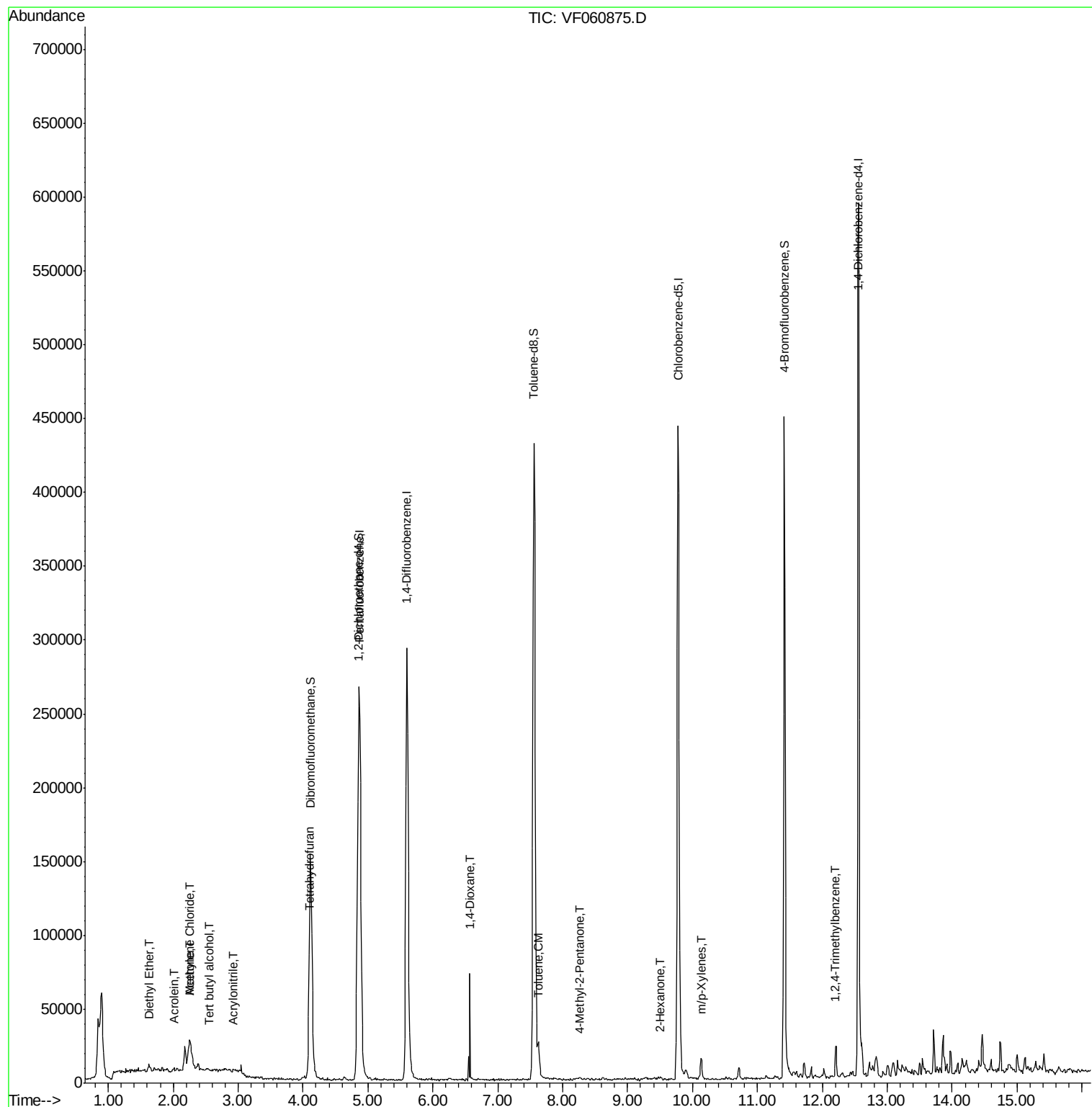
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	192872	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	343922	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	309518	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.56	152	156411	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	129175	56.85	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	113.70%	
35) Dibromofluoromethane	4.11	113	145593	53.36	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	7.56	98	363149	45.18	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	90.36%	
62) 4-Bromofluorobenzene	11.41	95	167002	45.72	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	91.44%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	1178	2.181	ug/l	90
11) Tert butyl alcohol	2.56	59	217	2.330	ug/l #	62
13) Acrolein	2.00	56	457	5.179	ug/l #	35
15) Acrylonitrile	2.93	53	385	1.844	ug/l #	65
16) Acetone	2.24	43	8299	19.807	ug/l #	89
20) Methylene Chloride	2.26	84	14817	9.640	ug/l	98
29) Tetrahydrofuran	4.09	42	1164	3.789	ug/l #	37
41) Methacrylonitrile	4.73	41	486	Below Cal	#	50
43) Isopropyl Acetate	6.98	43	379	Below Cal	#	49
49) 1,4-Dioxane	6.56	88	69	6.719	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	2003	1.401	ug/l	94
52) Toluene	7.63	92	11357	1.919	ug/l	95
59) 2-Hexanone	9.50	43	1553	1.549	ug/l	86
68) m/p-Xylenes	10.14	106	4741	1.176	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	11404	1.139	ug/l	83
95) Naphthalene	14.46	128	12694	Below Cal	#	90

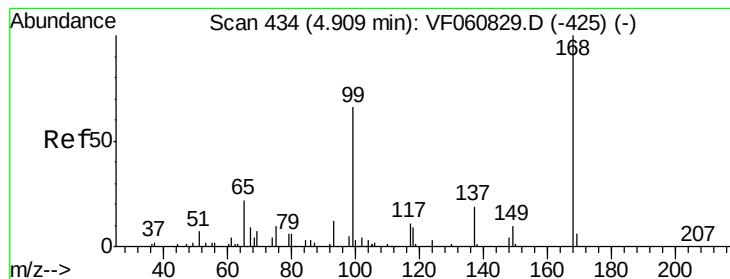
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060875.D

Acq: 29 Nov 2018 19:13

Instrument :

MSVOA_F

ClientSampleId :

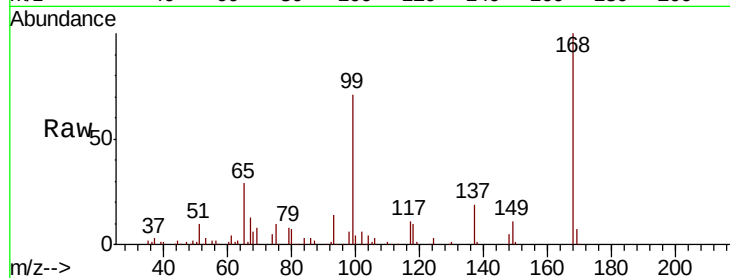
EO-02-112918-B

Tot Ion:168 Resp: 192872

Ion Ratio Lower Upper

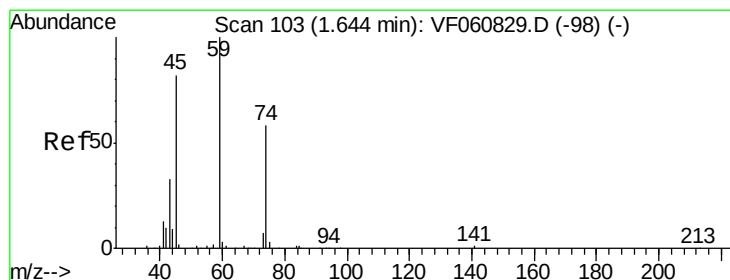
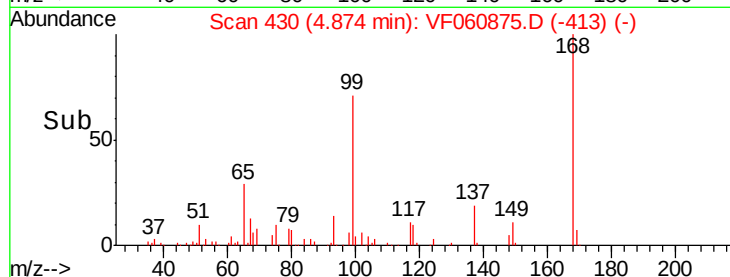
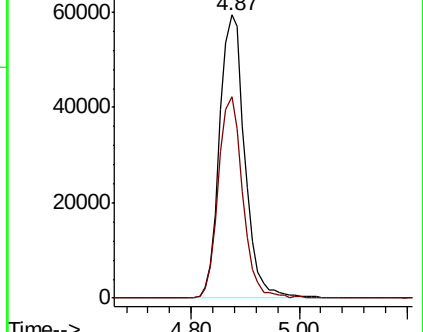
168 100

99 71.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.181 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF060875.D

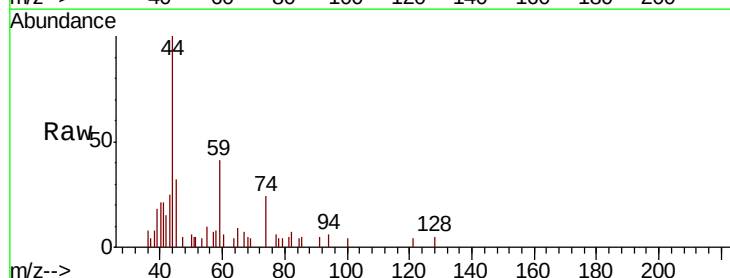
Acq: 29 Nov 2018 19:13

Tgt Ion: 74 Resp: 1178

Ion Ratio Lower Upper

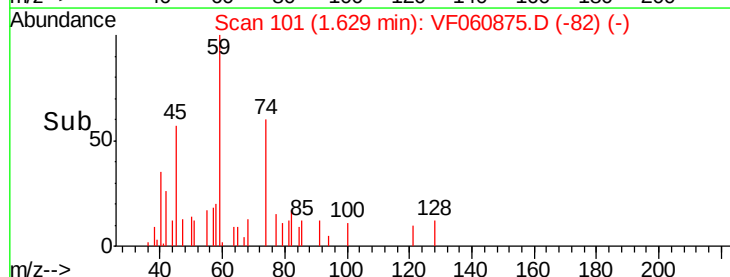
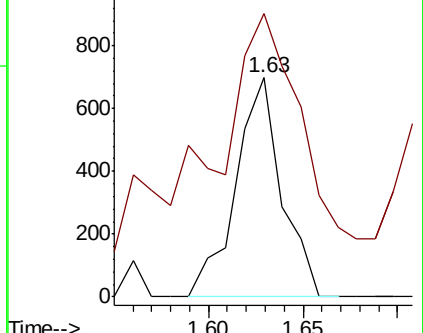
74 100

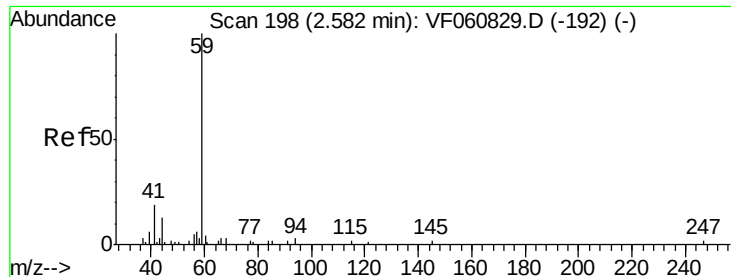
45 129.2 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

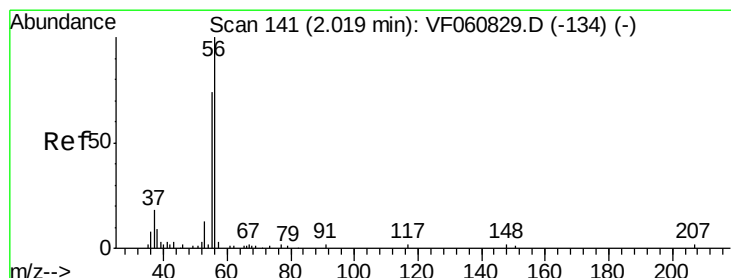
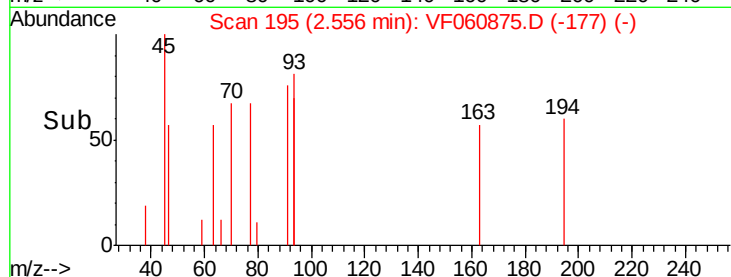
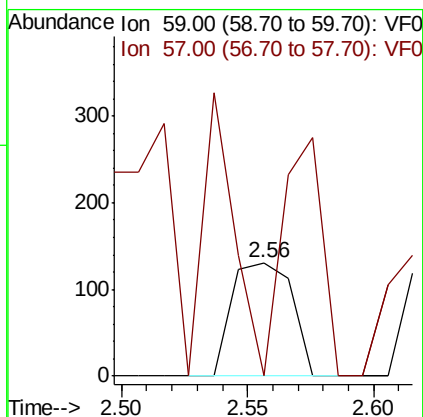
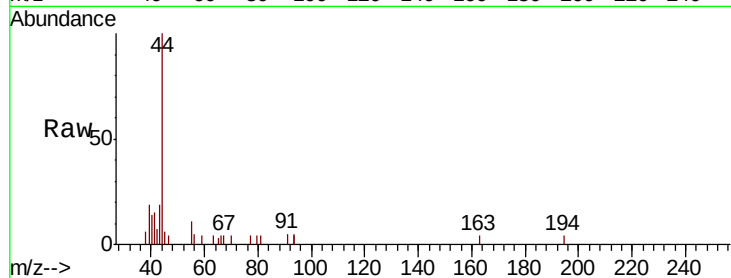




#11
Tert butyl alcohol
Concen: 2.330 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF060875.D
Acq: 29 Nov 2018 19:13

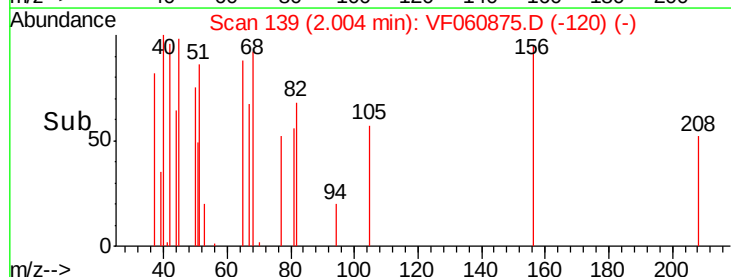
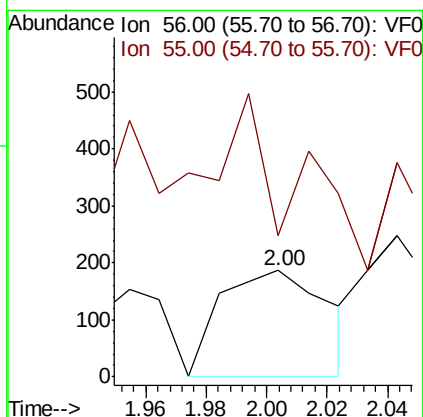
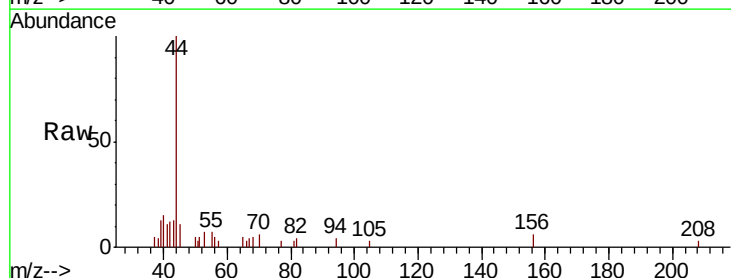
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-B

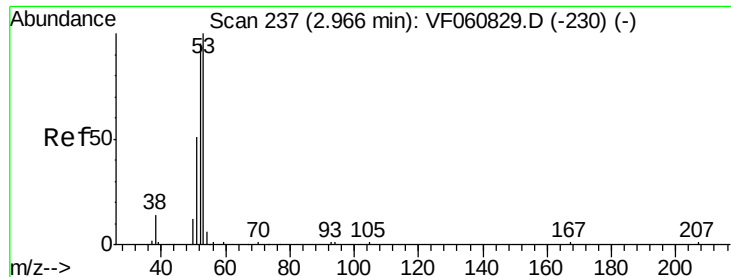
Tot Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 12.7 19.1#



#13
Acrolein
Concen: 5.179 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF060875.D
Acq: 29 Nov 2018 19:13

Tgt Ion: 56 Resp: 457
Ion Ratio Lower Upper
56 100
55 132.6 61.2 91.8#





#15

Acrylonitrile

Concen: 1.844 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060875.D

Acq: 29 Nov 2018 19:13

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-B

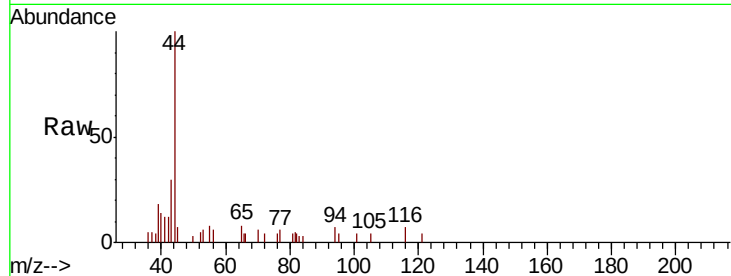
Tot Ion: 53 Resp: 385

Ion Ratio Lower Upper

53 100

52 80.6 76.5 114.7

51 0.0 40.7 61.1#

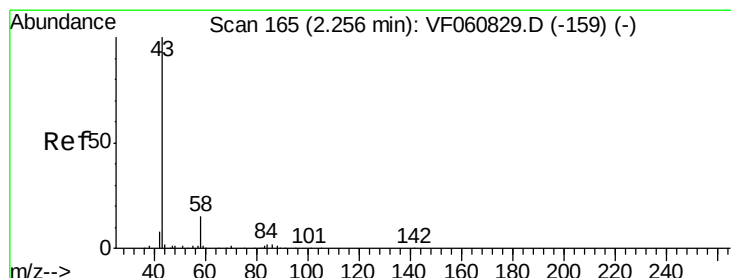
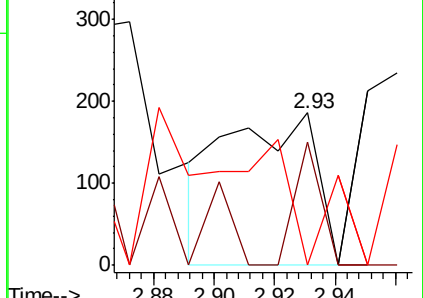
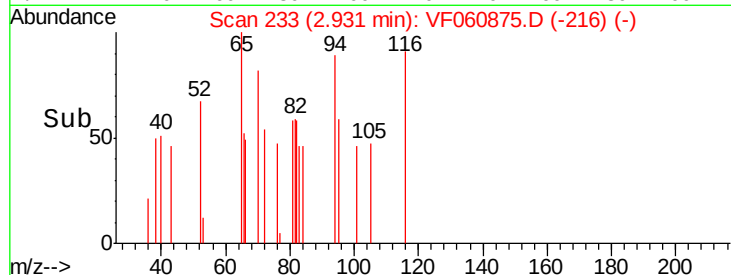


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Time-->



#16

Acetone

Concen: 19.807 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060875.D

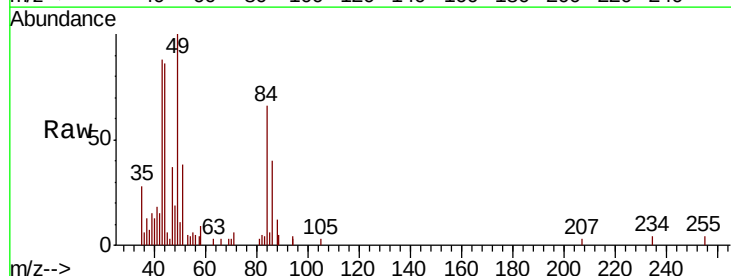
Acq: 29 Nov 2018 19:13

Tgt Ion: 43 Resp: 8299

Ion Ratio Lower Upper

43 100

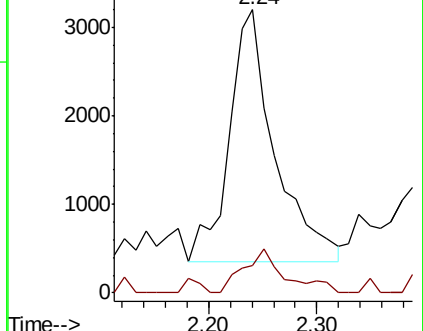
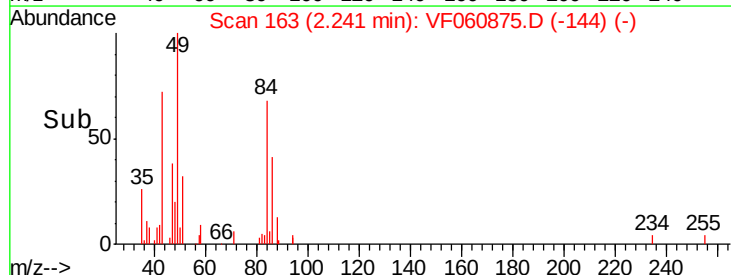
58 9.8 11.4 17.2#

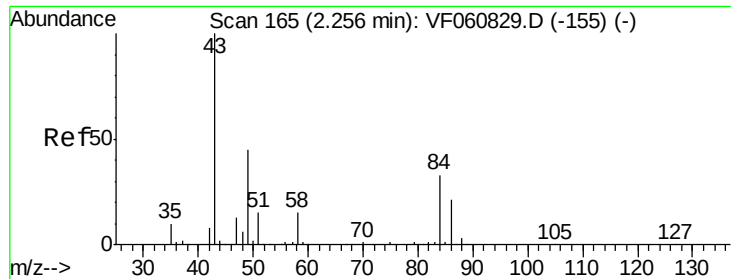


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

Time-->

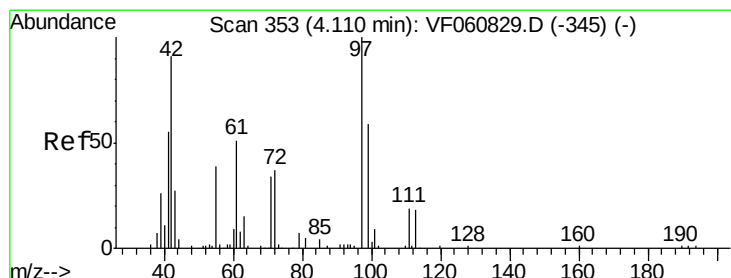
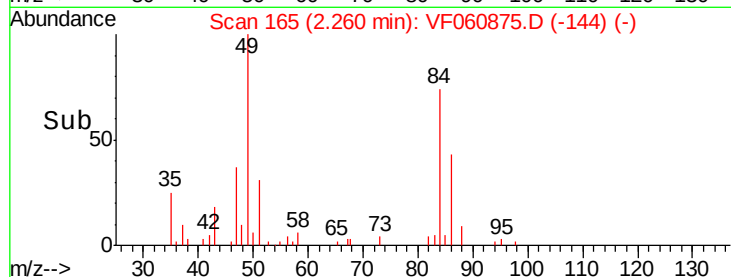
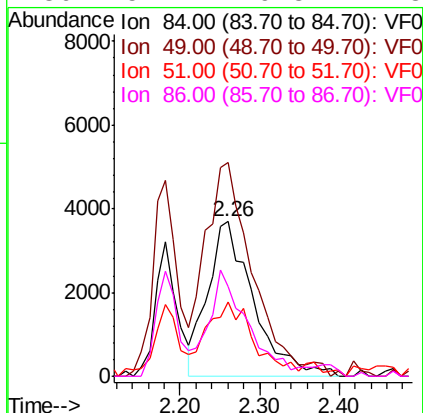
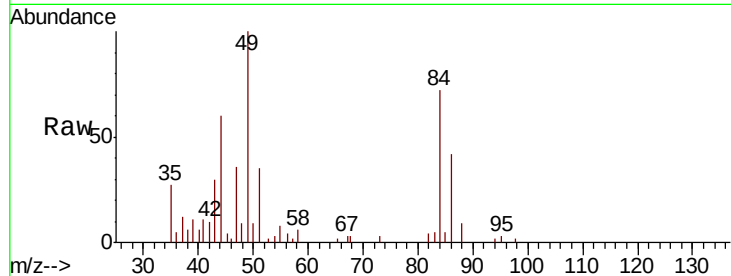




#20
Methvlene Chloride
Concen: 9.640 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060875.D
Acq: 29 Nov 2018 19:13

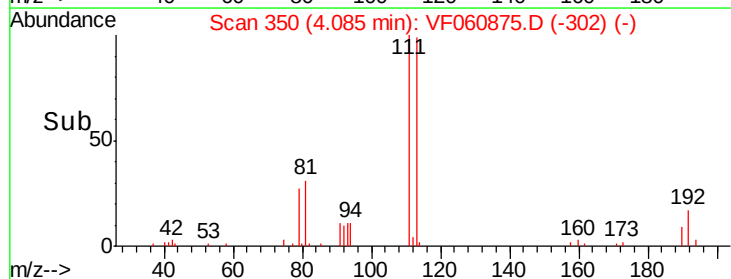
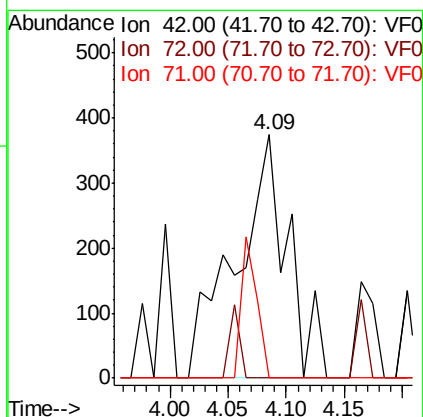
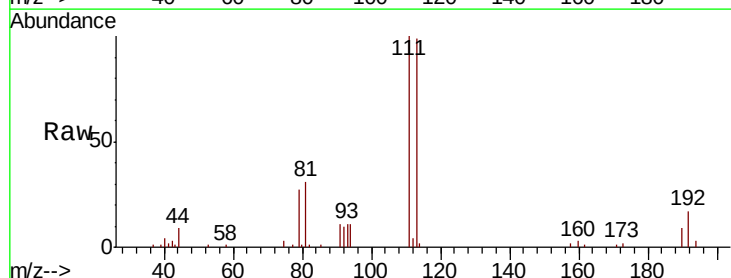
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-B

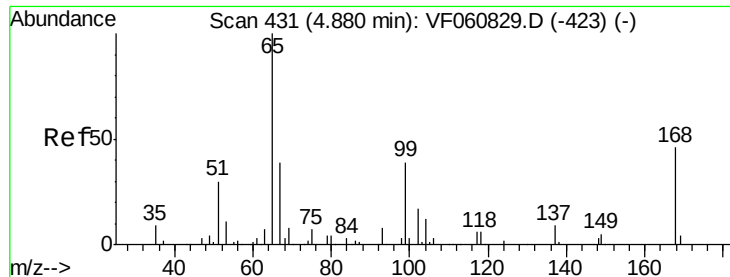
Tot Ion:	84	Resp:	14817
Ion	Ratio	Lower	Upper
84	100		
49	138.3	111.3	166.9
51	48.2	38.0	57.0
86	57.7	49.8	74.8



#29
Tetrahydrofuran
Concen: 3.789 ug/l
RT: 4.09 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF060875.D
Acq: 29 Nov 2018 19:13

Tgt Ion:	42	Resp:	1164
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	28.7	43.1#

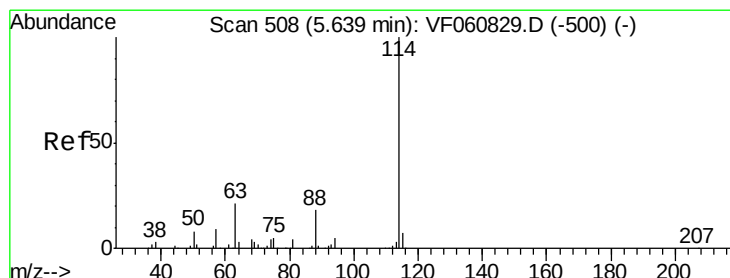
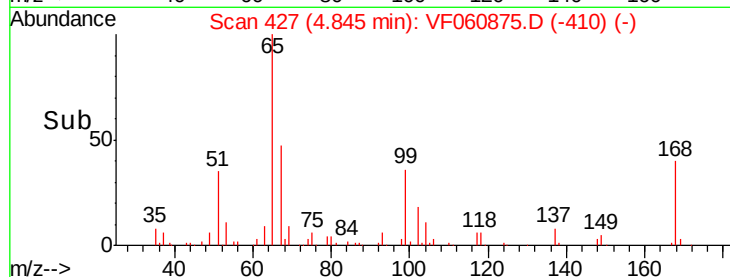
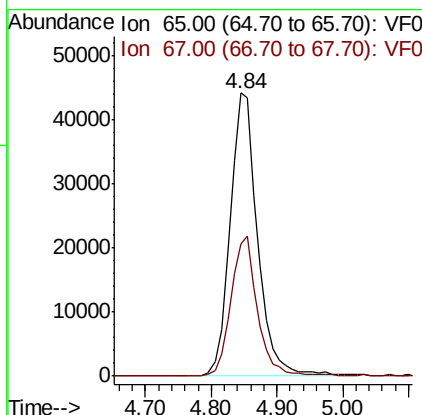
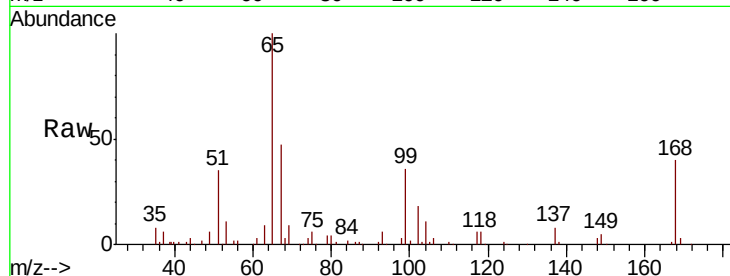




#33
 1,2-Dichloroethane-d4
 Concen: 56.853 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

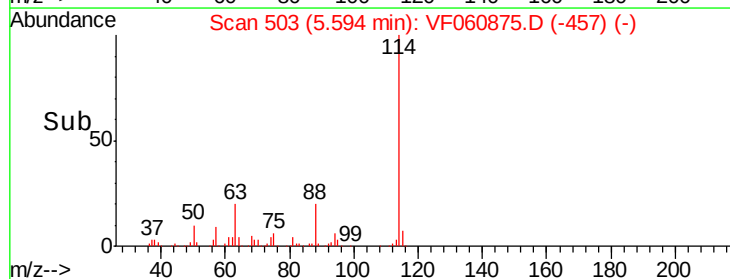
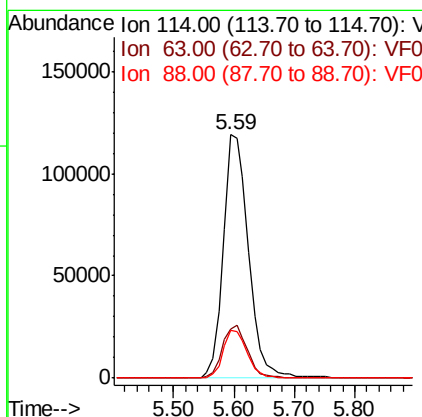
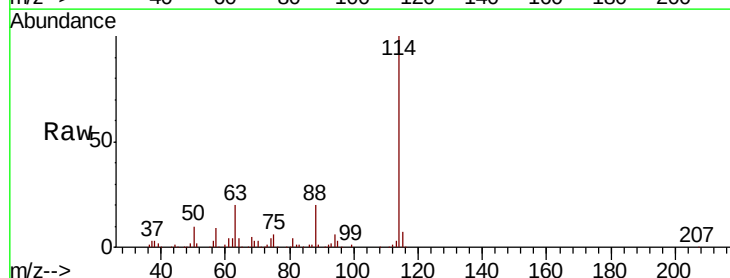
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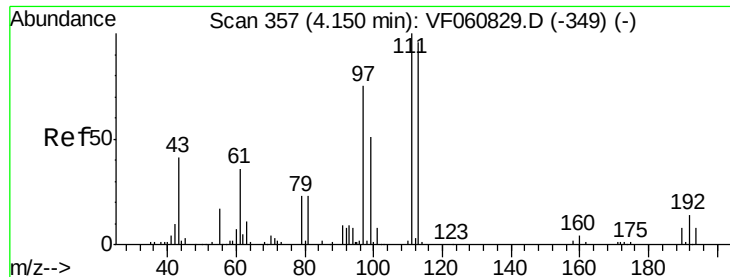
Tot Ion: 65 Resp: 129175
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

Tgt Ion: 114 Resp: 343922
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.6
 88 19.6 0.0 36.6

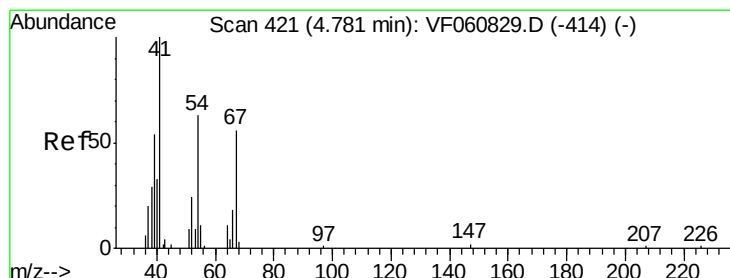
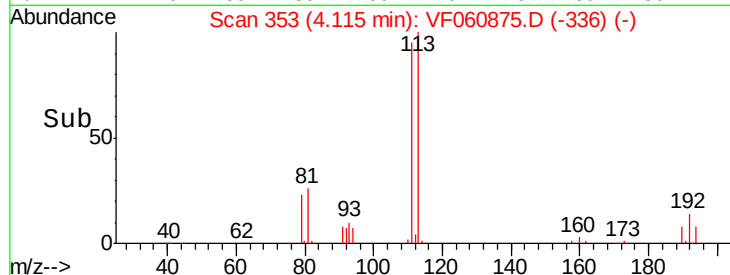
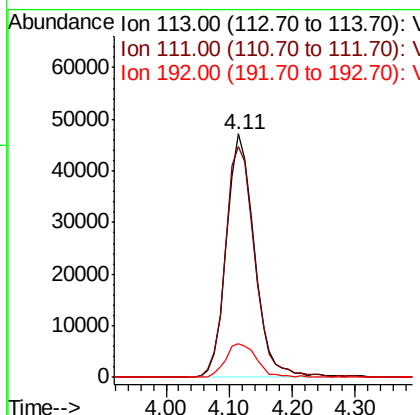
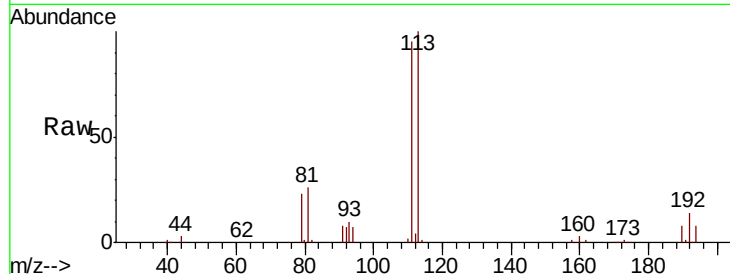




#35
 Dibromofluoromethane
 Concen: 53.362 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

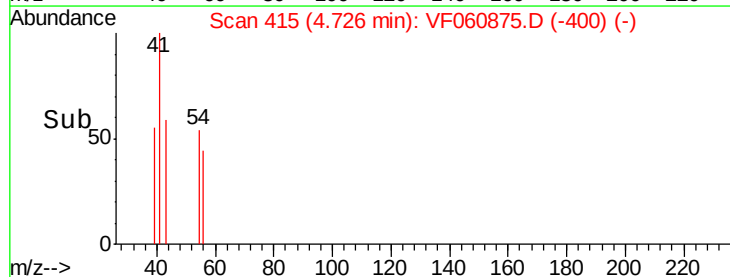
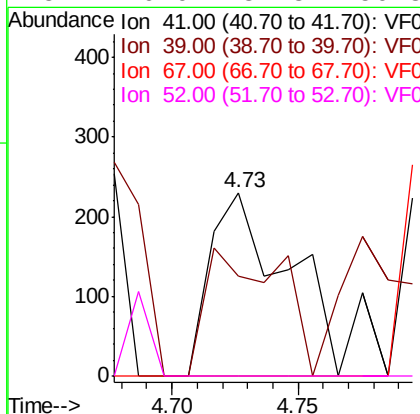
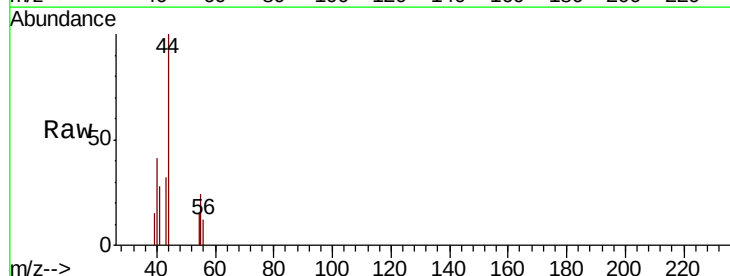
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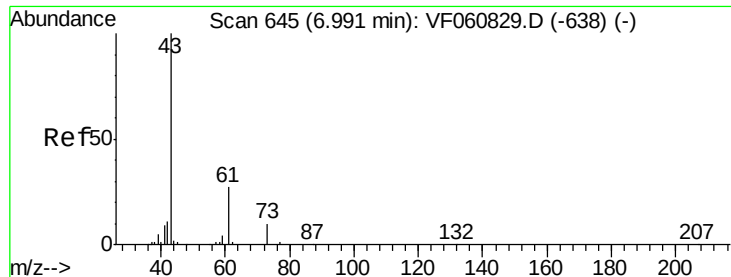
Tot Ion:113 Resp: 145593
 Ion Ratio Lower Upper
 113 100
 111 94.8 83.0 124.6
 192 14.3 12.3 18.5



#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.73 min Scan# 415
 Delta R.T. -0.05 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

Tgt Ion: 41 Resp: 486
 Ion Ratio Lower Upper
 41 100
 39 54.8 53.0 79.6
 67 0.0 43.8 65.6#
 52 0.0 37.8 56.8#



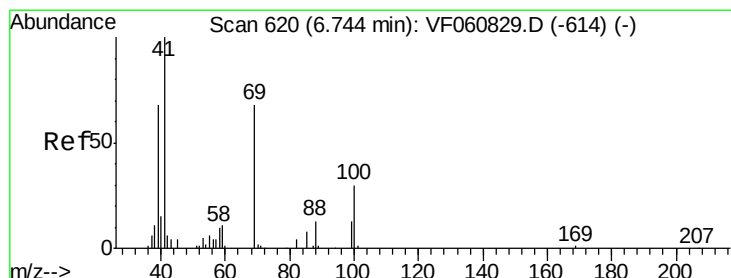
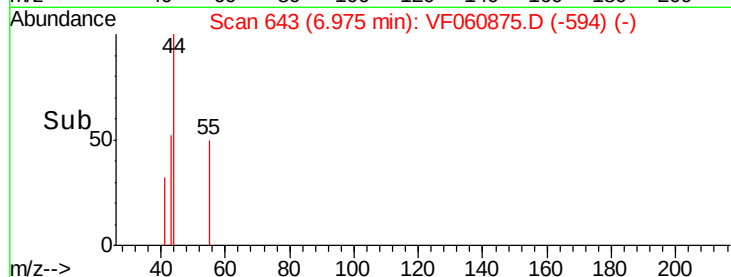
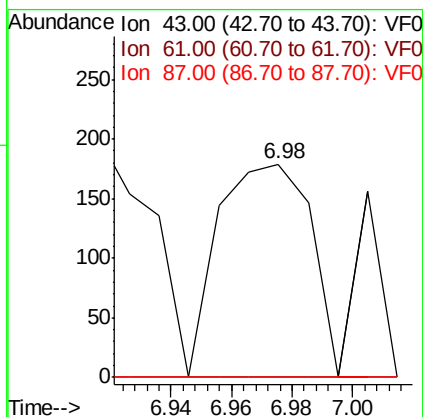
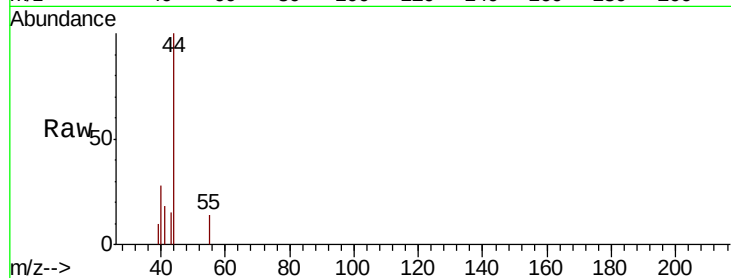


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.98 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

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

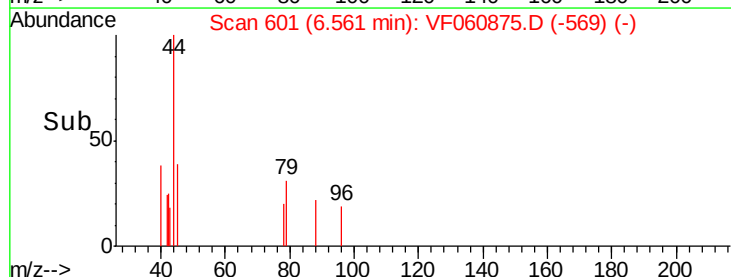
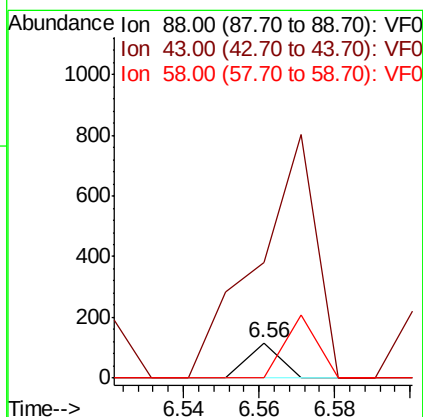
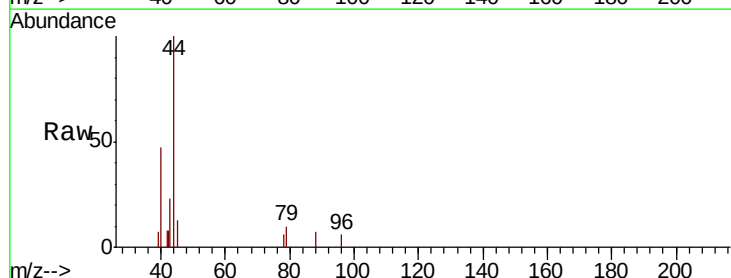
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

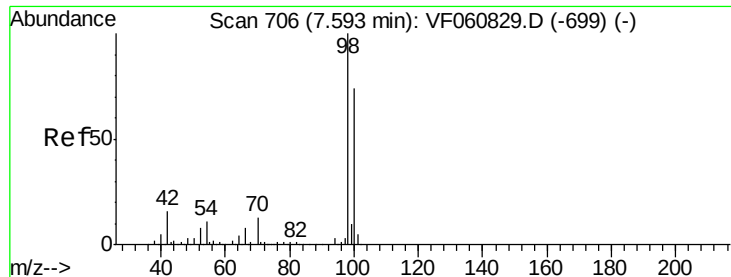


#49

1,4-Dioxane
 Concen: 6.719 ug/l
 RT: 6.56 min Scan# 601
 Delta R.T. -0.18 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

Tgt Ion	Ratio	Lower	Upper
88	100		
43	327.6	42.0	63.0#
58	0.0	61.8	92.8#





#50

Toluene-d8

Concen: 45.184 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060875.D

Acq: 29 Nov 2018 19:13

Instrument :

MSVOA_F

ClientSampleId :

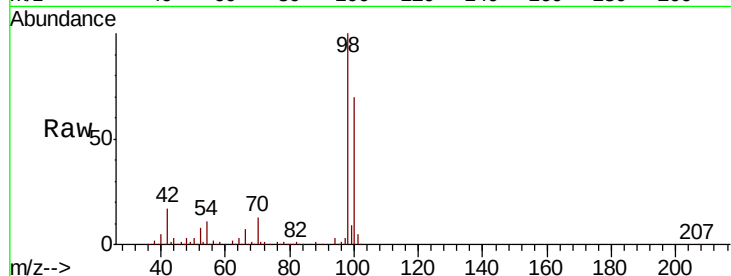
EO-02-112918-B

Tot Ion: 98 Resp: 363149

Ion Ratio Lower Upper

98 100

100 70.4 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

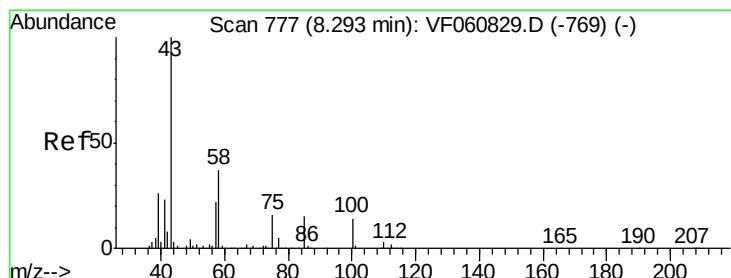
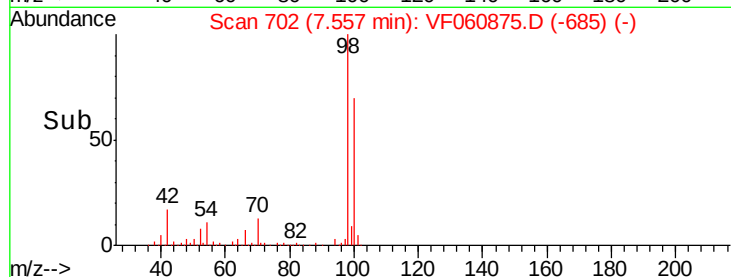
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.401 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060875.D

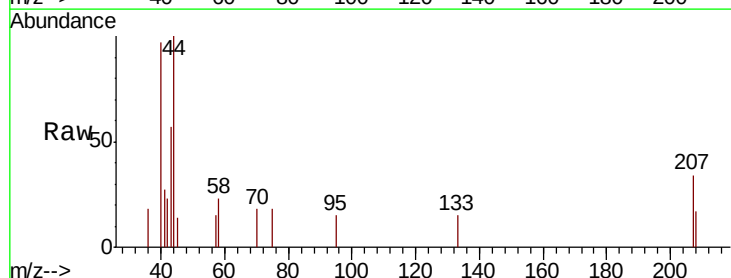
Acq: 29 Nov 2018 19:13

Tgt Ion: 43 Resp: 2003

Ion Ratio Lower Upper

43 100

58 40.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

500

400

300

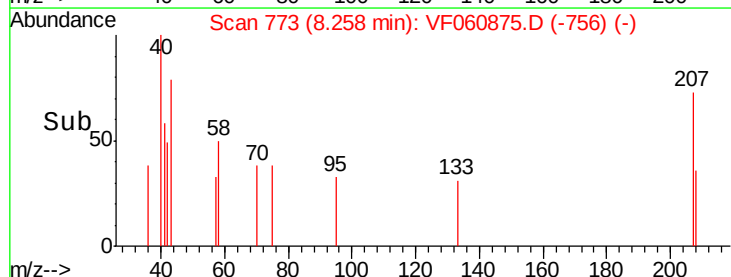
200

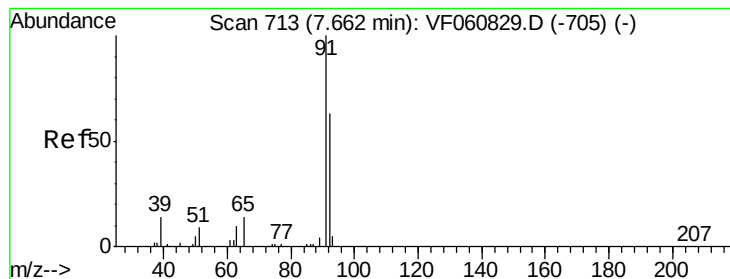
100

0

8.20 8.30 8.40

Time-->





#52

Toluene

Concen: 1.919 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF060875.D

Acq: 29 Nov 2018 19:13

Instrument :

MSVOA_F

ClientSampleId :

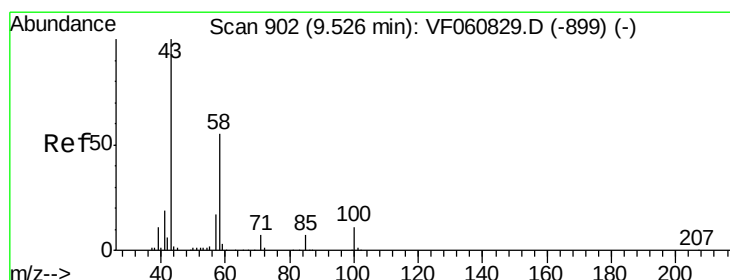
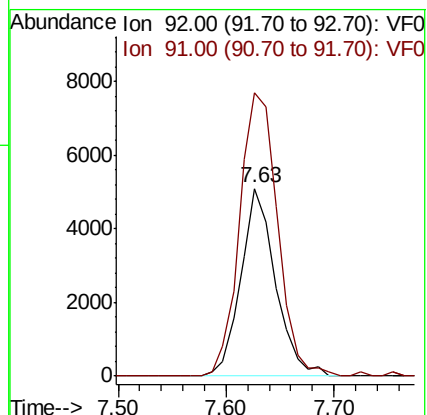
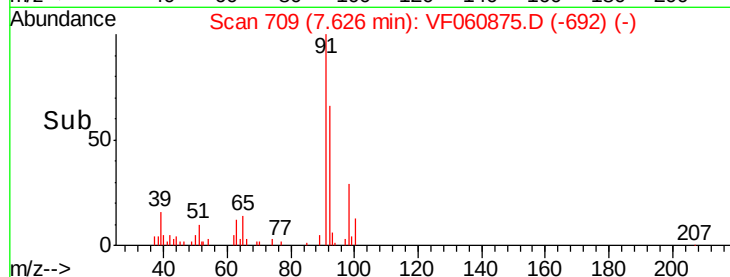
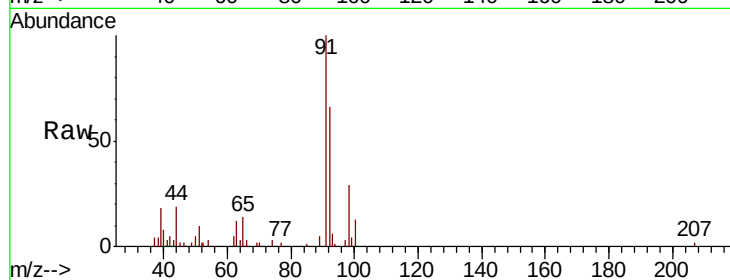
EO-02-112918-B

Tot Ion: 92 Resp: 11357

Ion Ratio Lower Upper

92 100

91 150.9 126.2 189.2



#59

2-Hexanone

Concen: 1.549 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.03 min

Lab File: VF060875.D

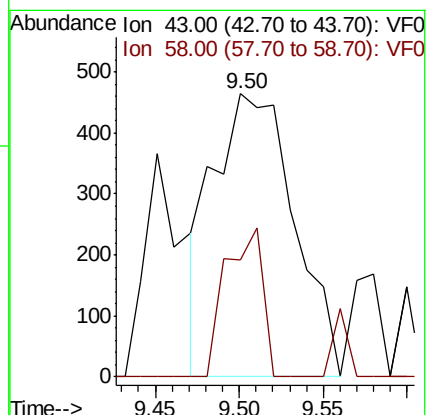
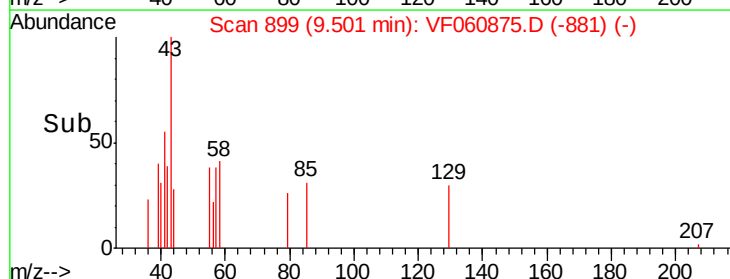
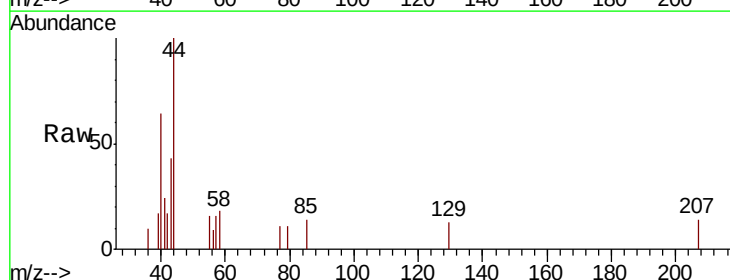
Acq: 29 Nov 2018 19:13

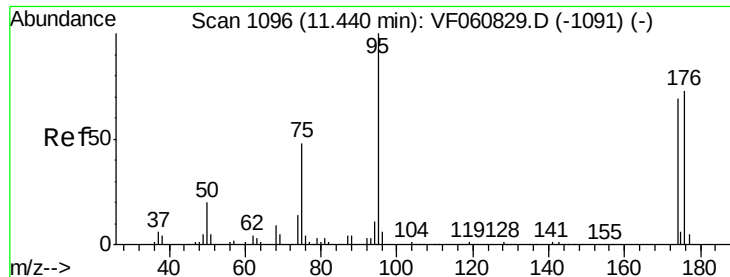
Tgt Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

58 41.2 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 45.719 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060875.D

Acq: 29 Nov 2018 19:13

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-B

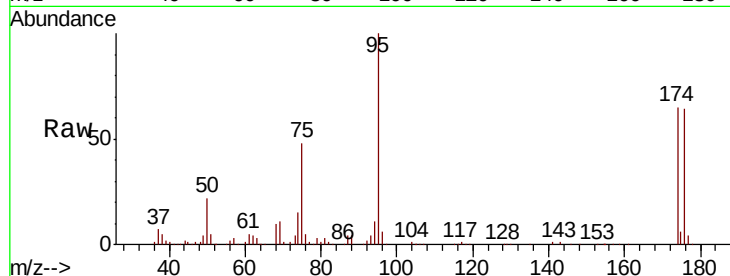
Tot Ion: 95 Resp: 167002

Ion Ratio Lower Upper

95 100

174 65.4 0.0 138.2

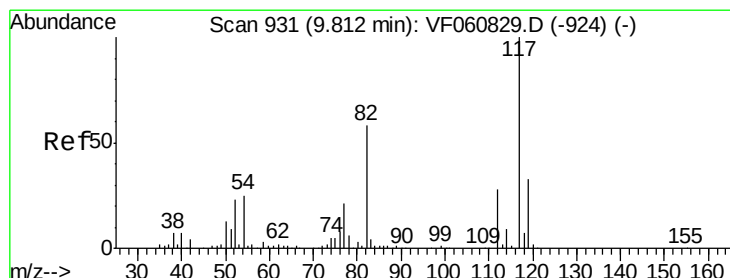
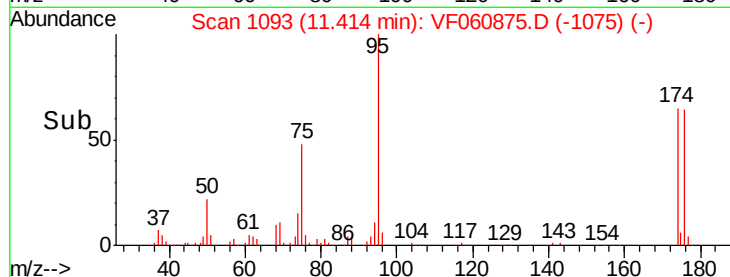
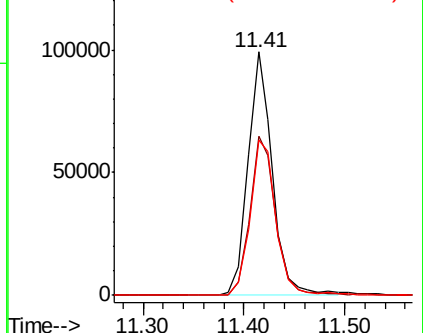
176 63.5 0.0 146.2



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: 9.78 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF060875.D

Acq: 29 Nov 2018 19:13

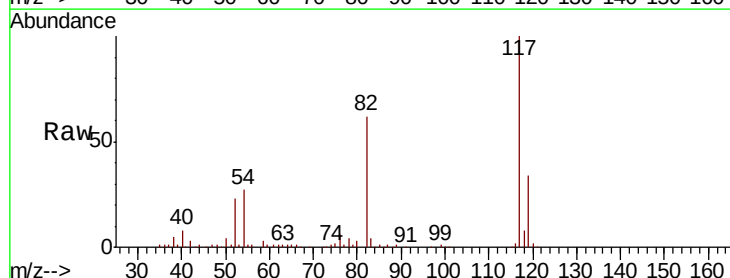
Tgt Ion: 117 Resp: 309518

Ion Ratio Lower Upper

117 100

82 62.0 46.6 69.8

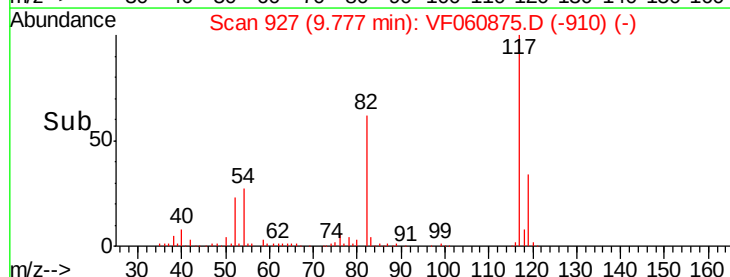
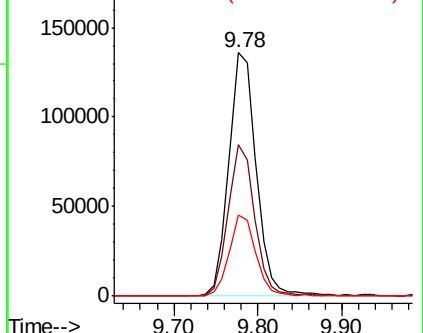
119 33.5 26.4 39.6

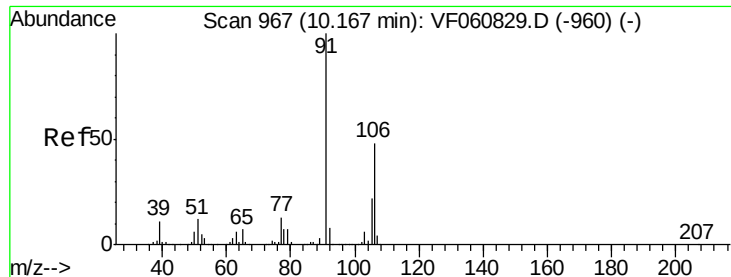


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

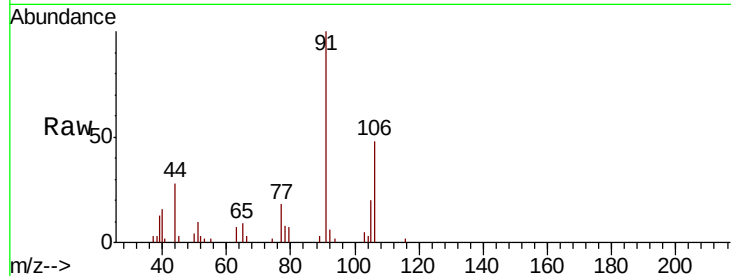




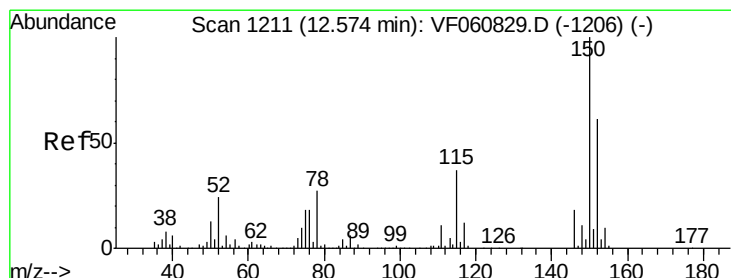
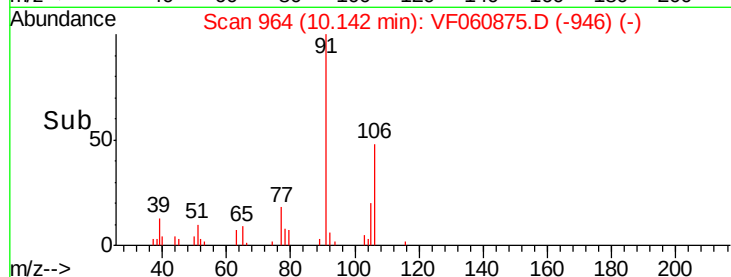
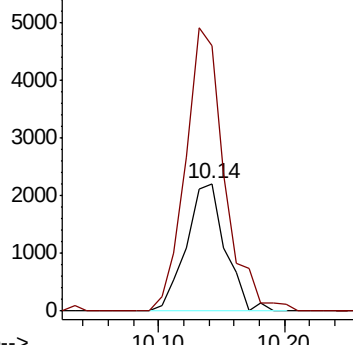
#68
m/p-Xylenes
Concen: 1.176 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.03 min
Lab File: VF060875.D
Acq: 29 Nov 2018 19:13

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

Tot Ion:106 Resp: 4741
Ion Ratio Lower Upper
106 100
91 208.7 166.7 250.1

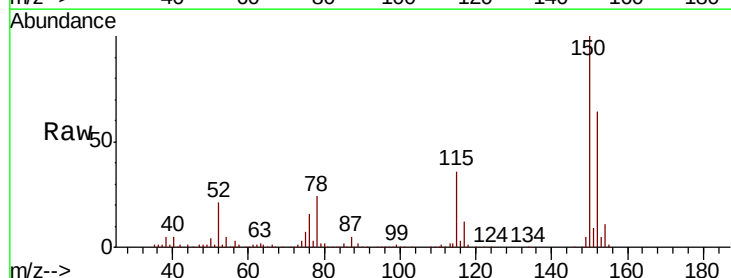


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

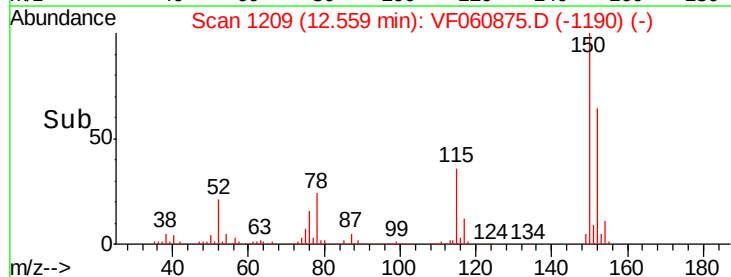
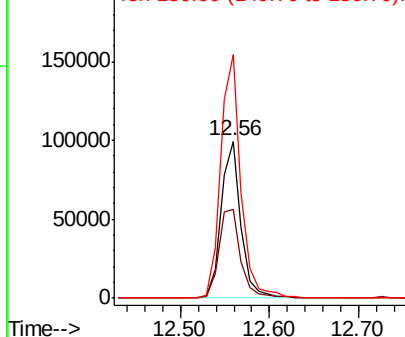


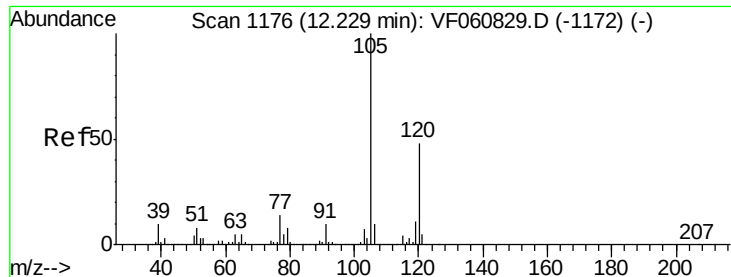
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060875.D
Acq: 29 Nov 2018 19:13

Tgt Ion:152 Resp: 156411
Ion Ratio Lower Upper
152 100
115 56.7 30.1 90.5
150 155.5 0.0 327.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

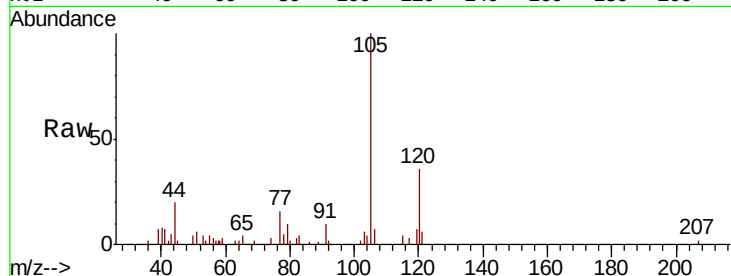




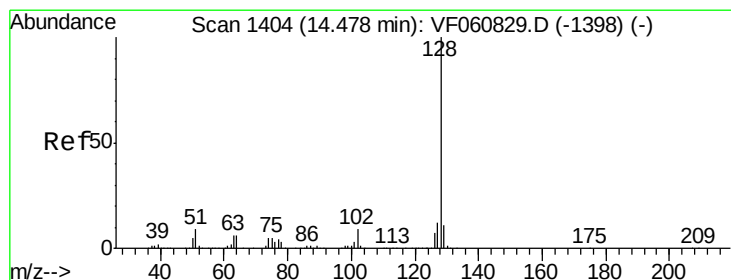
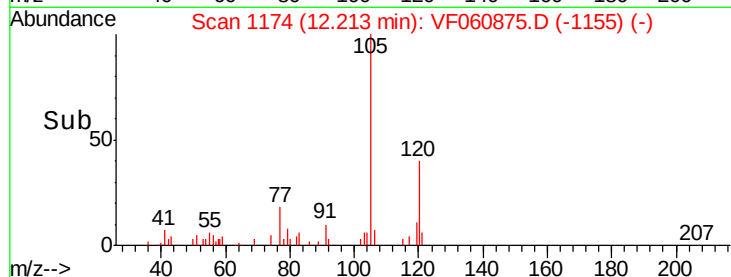
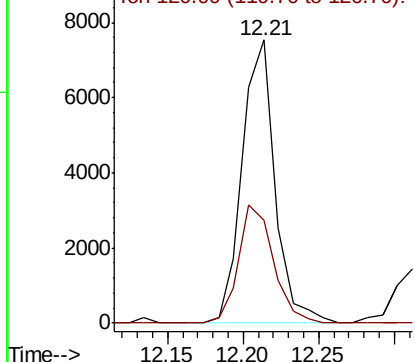
#84
 1,2,4-Trimethylbenzene
 Concen: 1.139 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

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

Tot Ion:105 Resp: 11404
 Ion Ratio Lower Upper
 105 100
 120 36.2 23.8 71.5

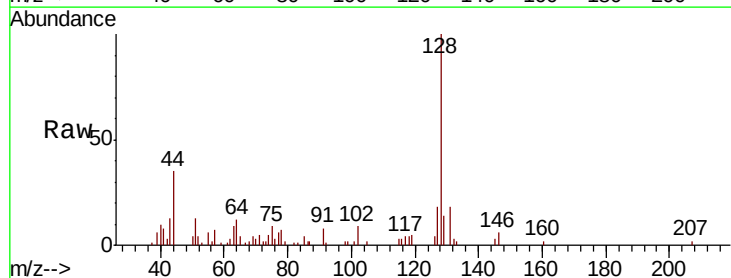


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



#95
 Naphthalene
 Concen: Below Cal
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VF060875.D
 Acq: 29 Nov 2018 19:13

Tgt Ion:128 Resp: 12694
 Ion Ratio Lower Upper
 128 100
 127 17.7 9.9 14.9#
 129 13.5 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

