

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060329.D
 Acq On : 25 Sep 2018 17:17
 Operator : VA/AP
 Sample : J5061-06
 Misc : 6.07/5mL/MSVOA_F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 230-KV-B

Quant Time: Sep 26 01:45:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

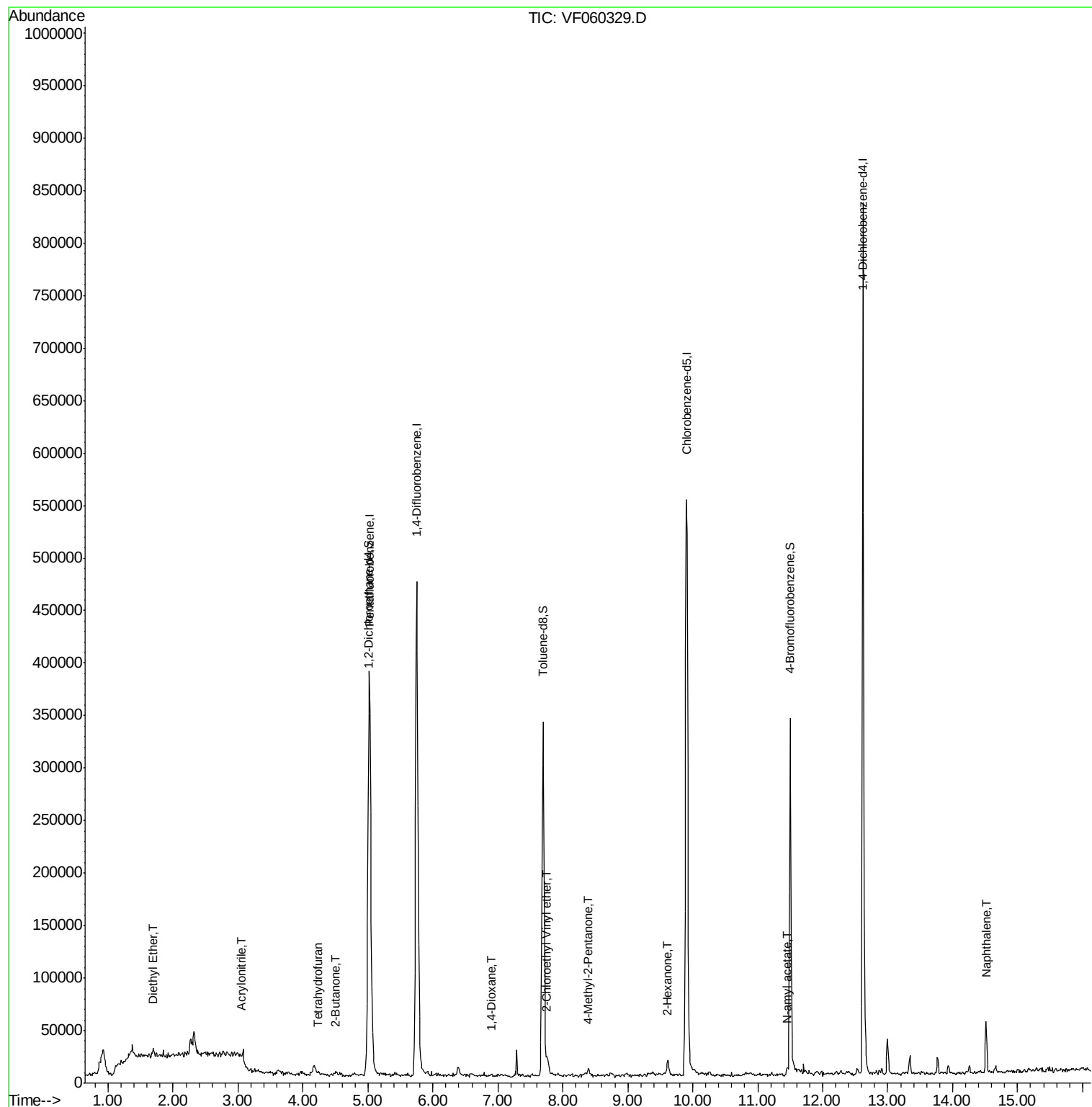
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	281707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	509009	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	402106	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	196239	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	135939	35.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.68%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.69	98	290903	24.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	49.24%	
62) 4-Bromofluorobenzene	11.50	95	127331	24.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	396	Below Cal	#	40
5) Bromomethane	1.48	94	113	Below Cal		86
8) Diethyl Ether	1.70	74	2350	1.938	ug/l	52
11) Tert butyl alcohol	2.66	59	793	Below Cal	#	1
13) Acrolein	2.10	56	1408	Below Cal	#	64
15) Acrylonitrile	3.05	53	814	1.519	ug/l #	61
17) Carbon Disulfide	1.83	76	705	Below Cal	#	1
20) Methylene Chloride	2.27	84	6379	Below Cal		91
25) 2-Butanone	4.50	43	8747	6.083	ug/l	94
29) Tetrahydrofuran	4.23	42	537	1.020	ug/l #	1
49) 1,4-Dioxane	6.89	88	90	4.437	ug/l #	37
51) 4-Methyl-2-Pentanone	8.39	43	6864	2.754	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.76	63	1444	4.893	ug/l	100
59) 2-Hexanone	9.62	43	11418	6.433	ug/l	73
74) N-amyl acetate	11.45	43	6090	1.621	ug/l #	83
78) n-propylbenzene	11.68	91	2585	Below Cal		92
85) sec-Butylbenzene	12.38	105	1763	Below Cal		97
86) p-Isopropyltoluene	12.52	119	1986	Below Cal	#	65
89) n-Butylbenzene	12.91	91	2657	Below Cal		95
95) Naphthalene	14.51	128	32157	3.729	ug/l	99

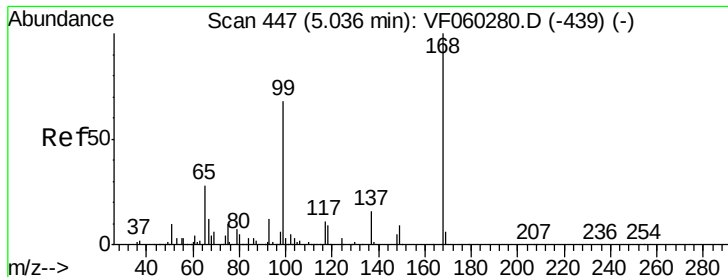
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
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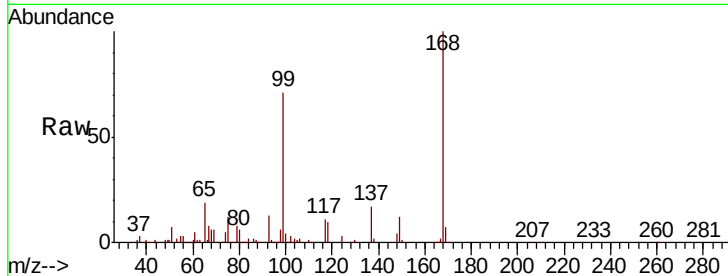


#1

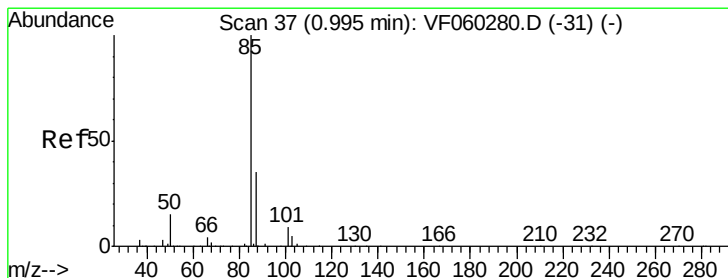
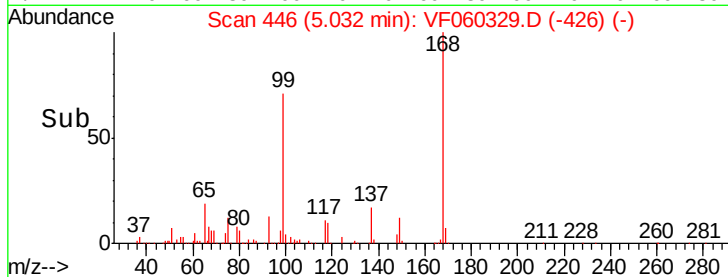
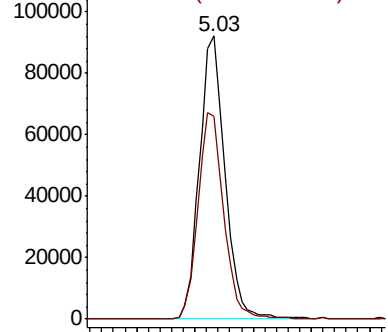
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

Instrument :
 MSVOA_F
 ClientSampleId :
 230-KV-B

Tgt Ion: 168 Resp: 281707
 Ion Ratio Lower Upper
 168 100
 99 71.5 54.8 82.2



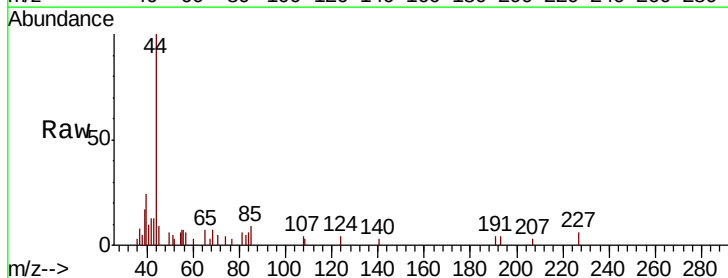
Abundance Ion 168.00 (167.70 to 168.70): VF0
 Ion 99.00 (98.70 to 99.70): VF0



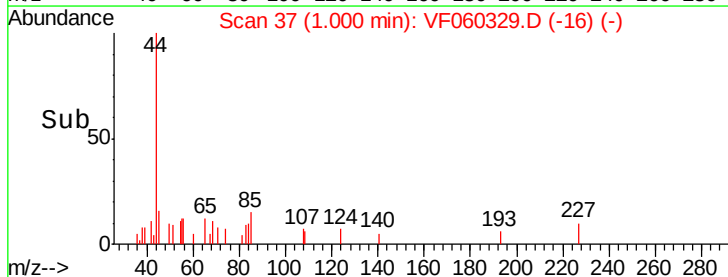
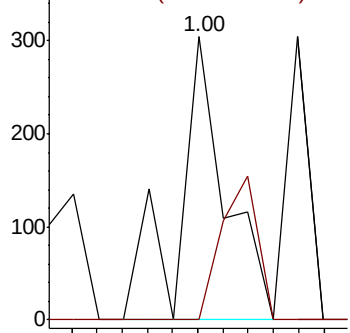
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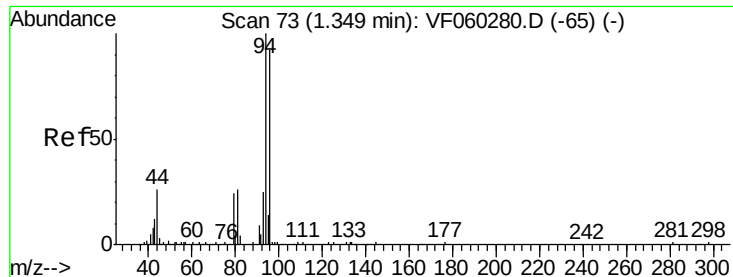
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.00 min Scan# 37
 Delta R.T. 0.01 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

Tgt Ion: 85 Resp: 396
 Ion Ratio Lower Upper
 85 100
 87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.48 min Scan# 86

Delta R.T. 0.13 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Instrument :

MSVOA_F

ClientSampleId :

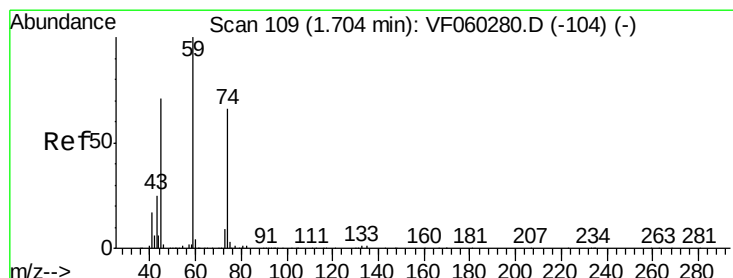
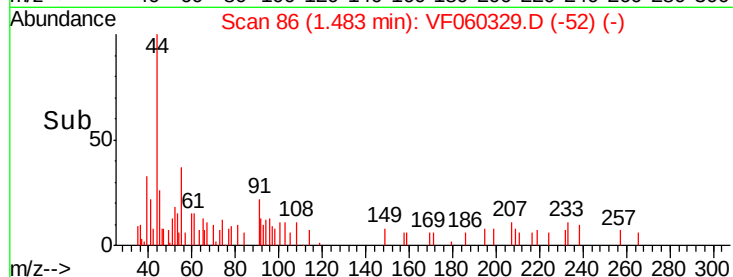
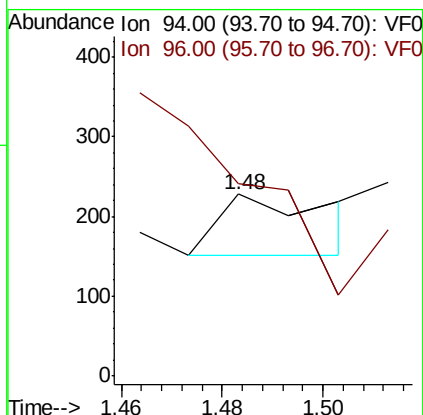
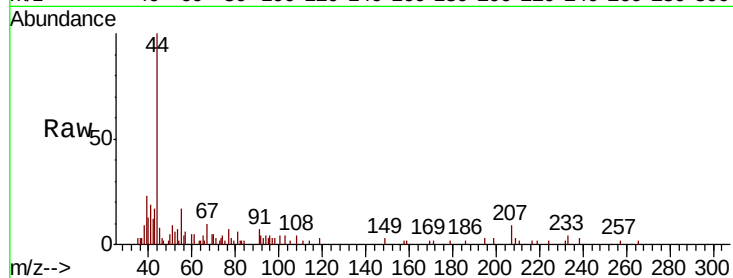
230-KV-B

Tgt Ion: 94 Resp: 113

Ion Ratio Lower Upper

94 100

96 106.1 73.9 110.9



#8

Diethyl Ether

Concen: 1.938 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.00 min

Lab File: VF060329.D

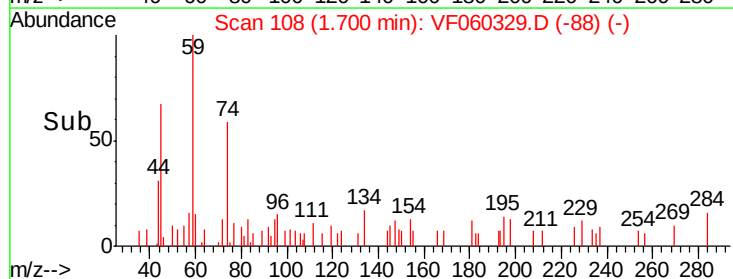
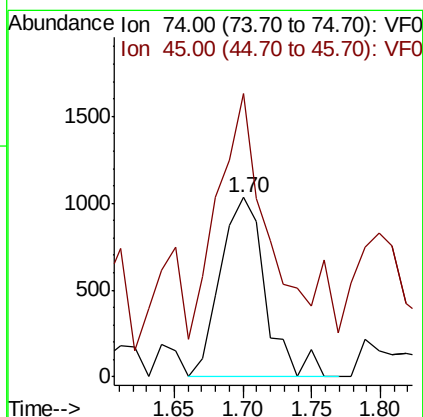
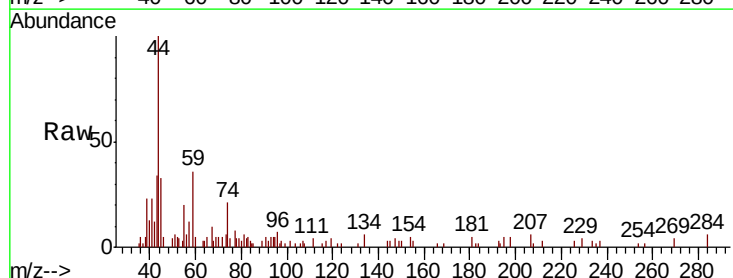
Acq: 25 Sep 2018 17:17

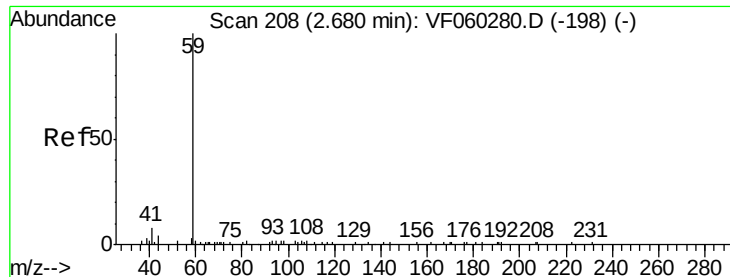
Tgt Ion: 74 Resp: 2350

Ion Ratio Lower Upper

74 100

45 157.8 53.9 161.7

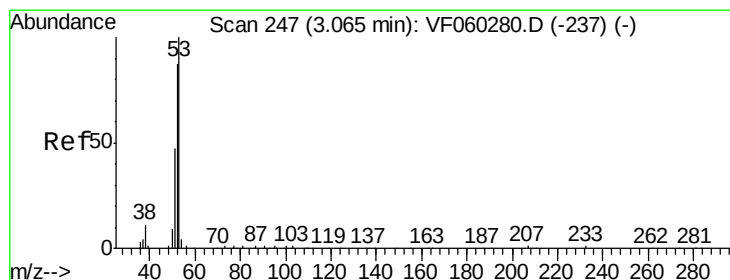
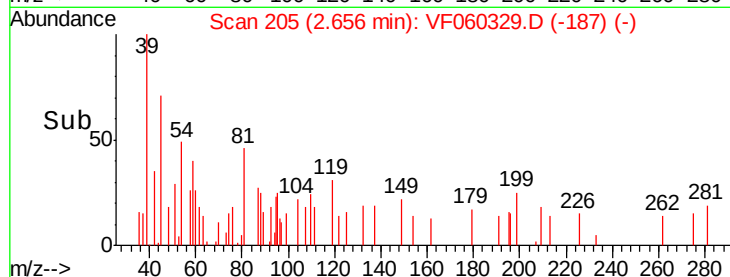
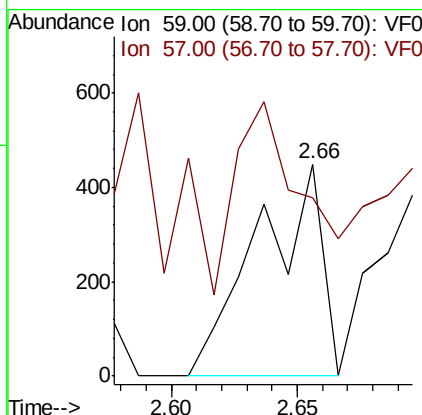
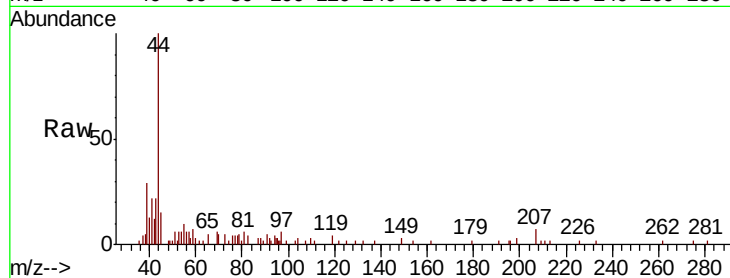




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.66 min Scan# 205
Delta R.T. -0.02 min
Lab File: VF060329.D
Acq: 25 Sep 2018 17:17

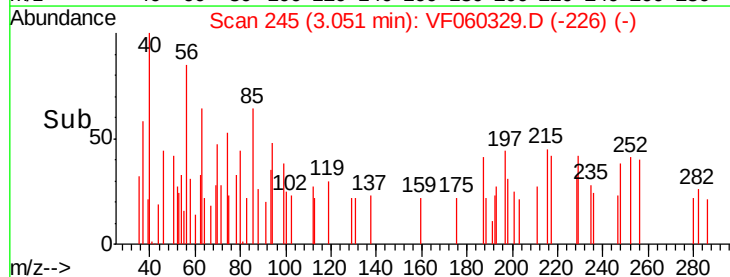
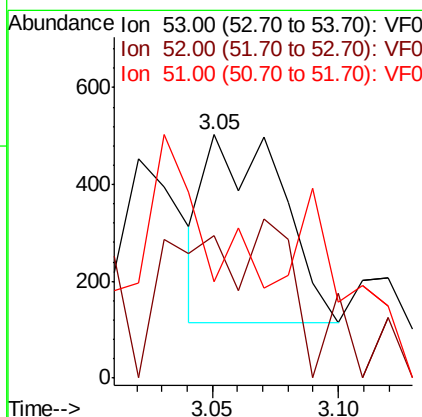
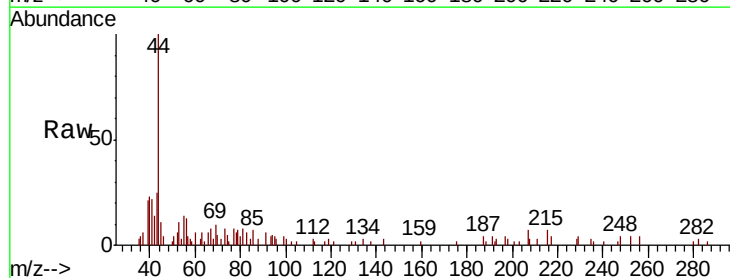
Instrument :
MSVOA_F
ClientSampleId :
230-KV-B

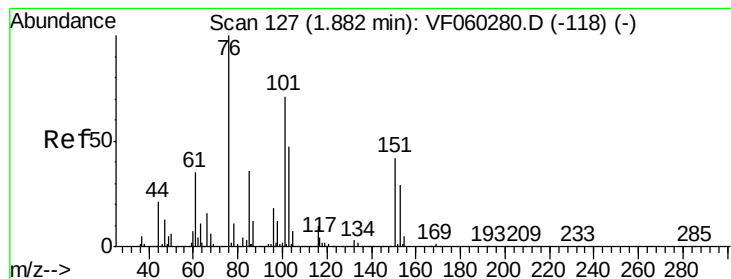
Tgt Ion: 59 Resp: 793
Ion Ratio Lower Upper
59 100
57 84.2 12.4 18.6#



#15
Acrylonitrile
Concen: 1.519 ug/l
RT: 3.05 min Scan# 245
Delta R.T. -0.01 min
Lab File: VF060329.D
Acq: 25 Sep 2018 17:17

Tgt Ion: 53 Resp: 814
Ion Ratio Lower Upper
53 100
52 44.5 69.5 104.3#
51 30.2 38.1 57.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.83 min Scan# 121

Delta R.T. -0.05 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Instrument :

MSVOA_F

ClientSampled :

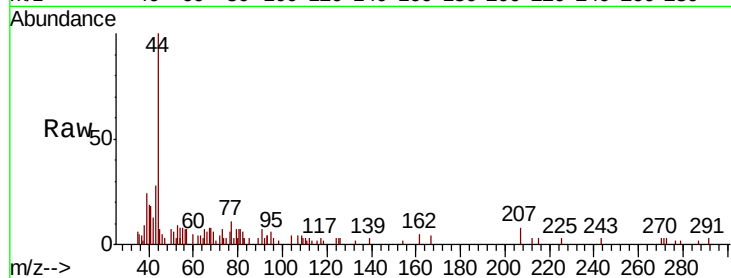
230-KV-B

Tgt Ion: 76 Resp: 705

Ion Ratio Lower Upper

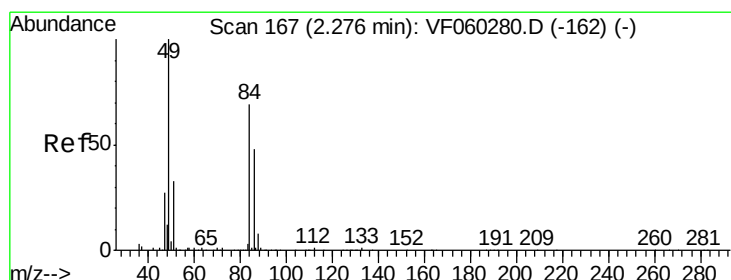
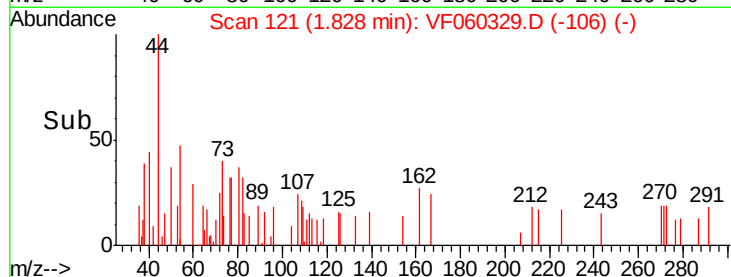
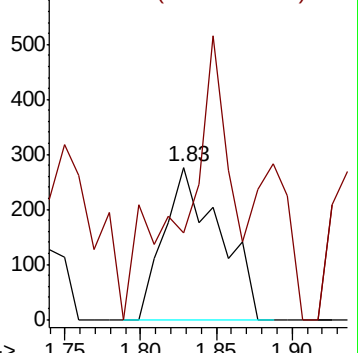
76 100

78 57.0 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 166

Delta R.T. -0.00 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Tgt Ion: 84 Resp: 6379

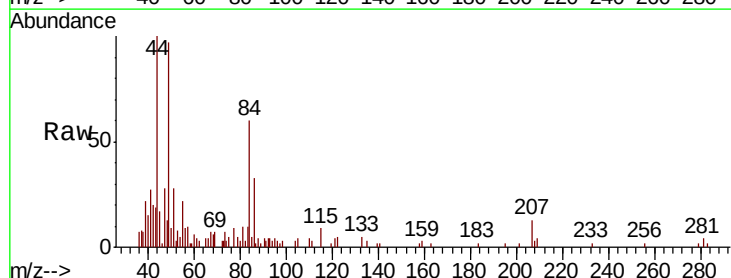
Ion Ratio Lower Upper

84 100

49 160.4 118.3 177.5

51 47.2 38.7 58.1

86 58.9 55.8 83.6

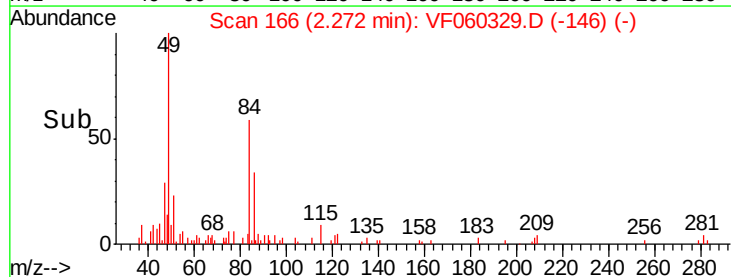
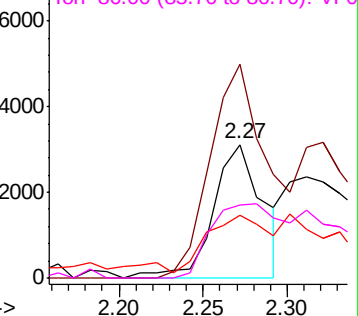


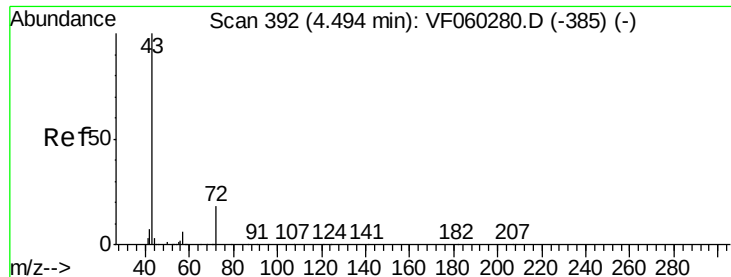
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 6.083 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Instrument :

MSVOA_F

ClientSampled :

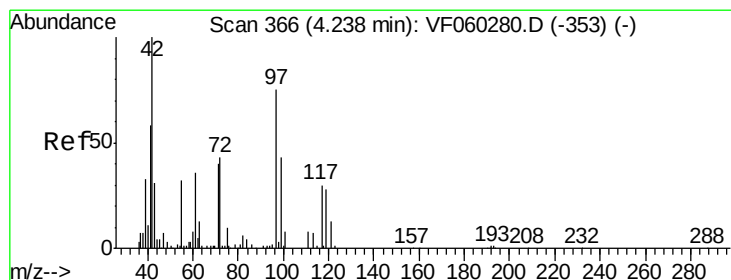
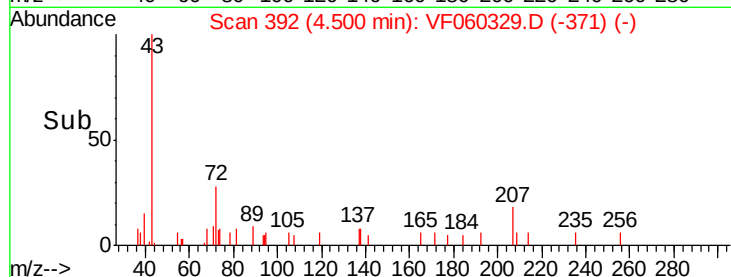
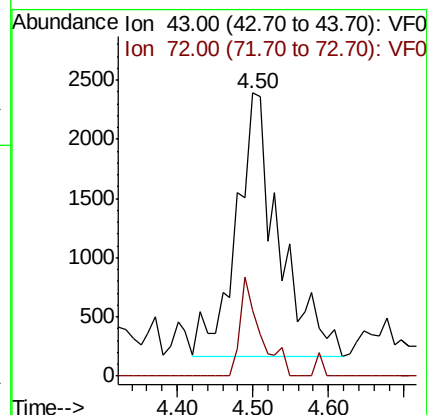
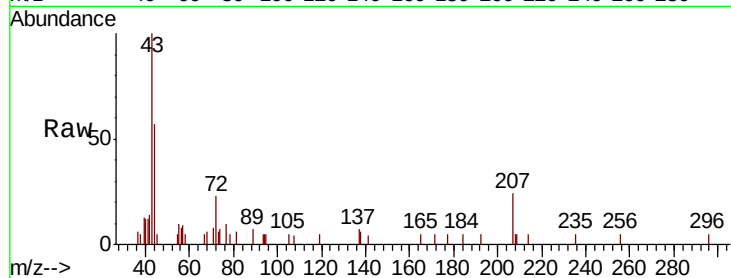
230-KV-B

Tgt Ion: 43 Resp: 8747

Ion Ratio Lower Upper

43 100

72 23.1 16.2 24.2



#29

Tetrahydrofuran

Concen: 1.020 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.00 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

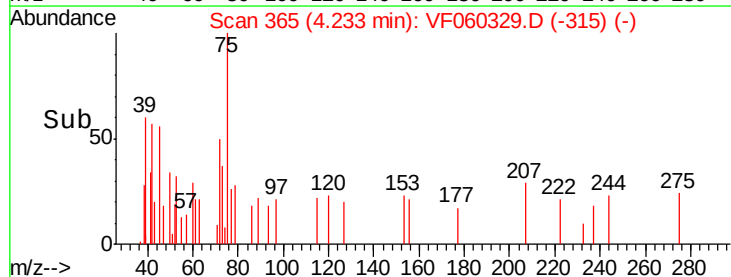
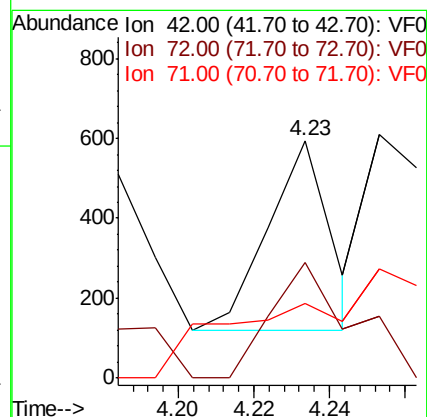
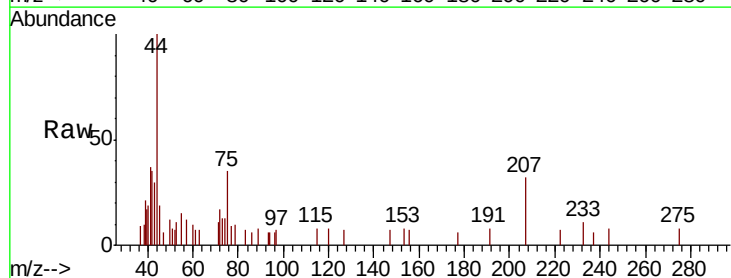
Tgt Ion: 42 Resp: 537

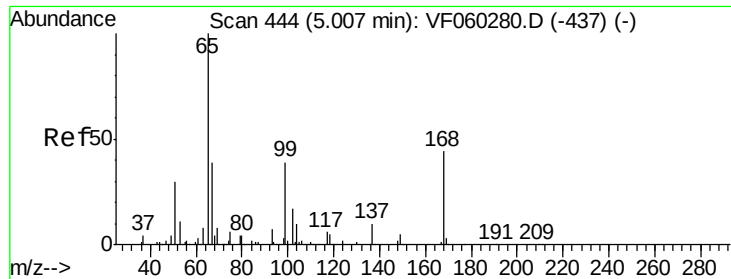
Ion Ratio Lower Upper

42 100

72 93.1 32.6 49.0#

71 154.9 32.7 49.1#

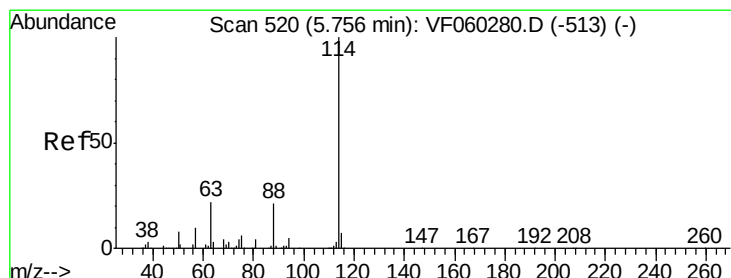
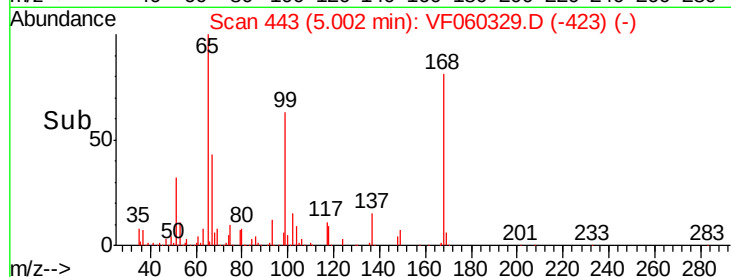
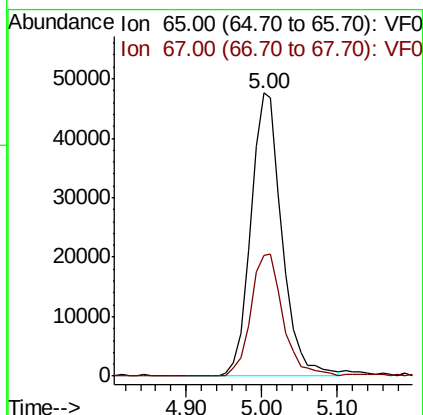
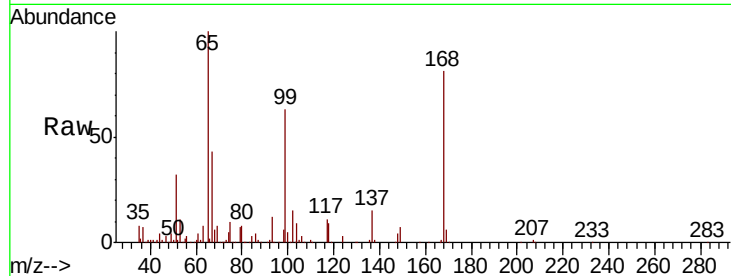




#33
 1,2-Dichloroethane-d4
 Concen: 35.837 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

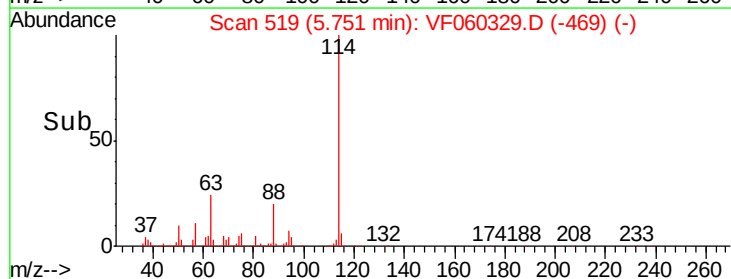
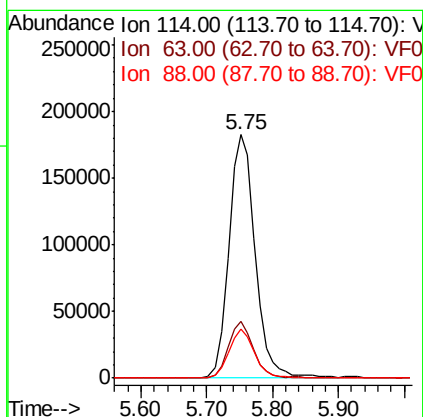
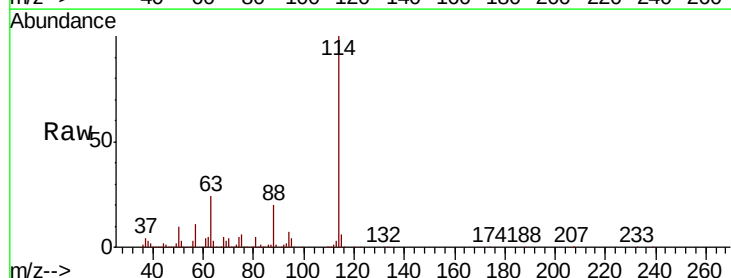
Instrument :
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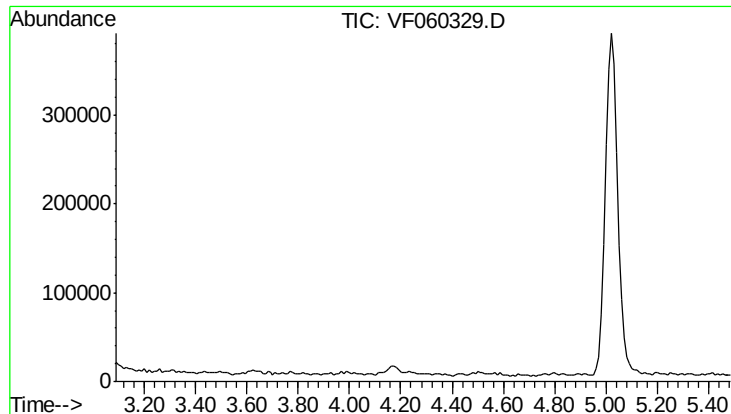
Tgt Ion: 65 Resp: 135939
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

Tgt Ion: 114 Resp: 509009
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 43.8
 88 20.3 0.0 41.2



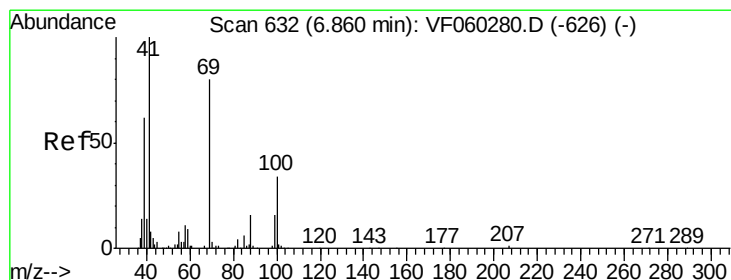
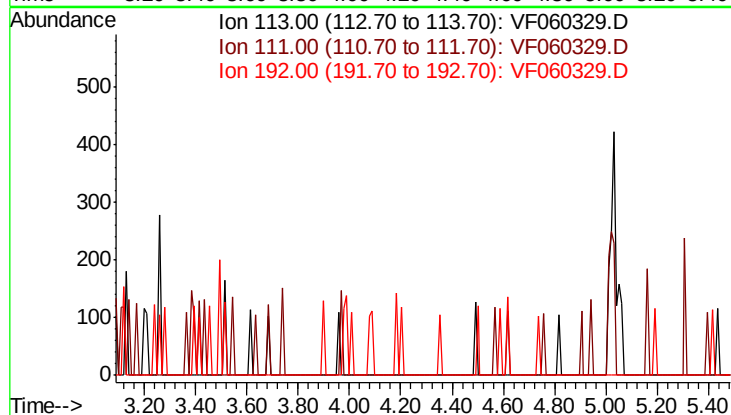


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.29 min

Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

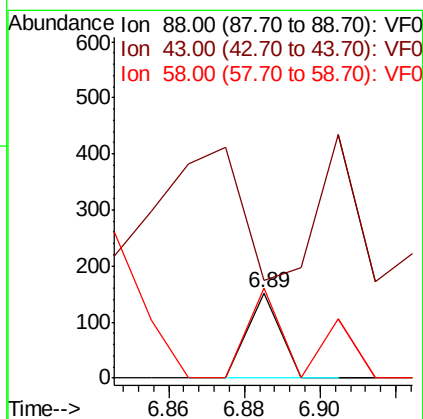
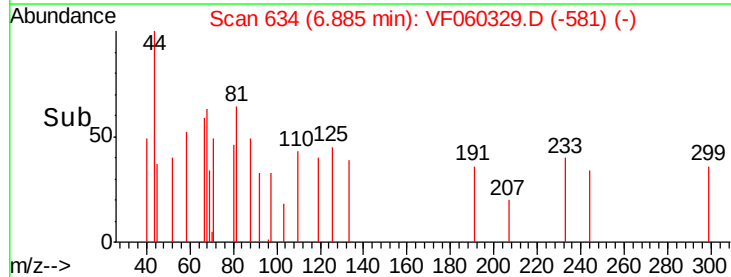
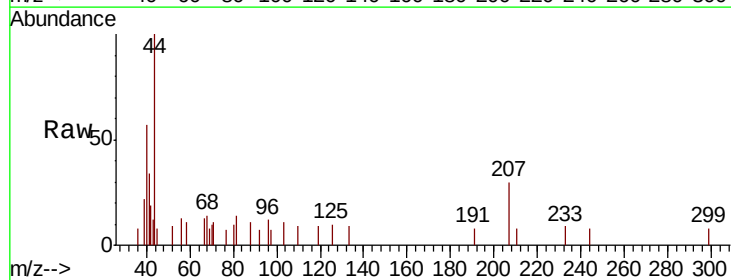
Instrument :
 MSVOA_F
 ClientSampleId :
 230-KV-B

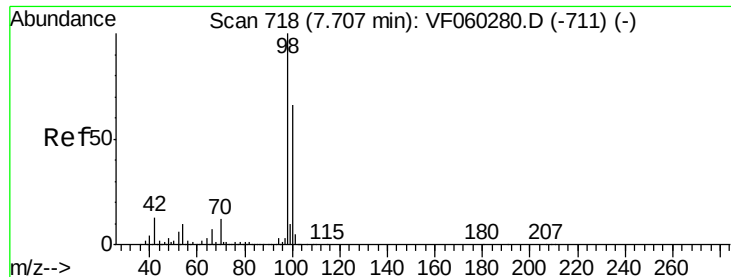
Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 99.5
 192 16.3



#49
 1,4-Dioxane
 Concen: 4.437 ug/l
 RT: 6.89 min Scan# 634
 Delta R.T. 0.03 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

Tgt Ion: 88 Resp: 90
 Ion Ratio Lower Upper
 88 100
 43 115.1 40.2 60.4#
 58 105.3 56.7 85.1#

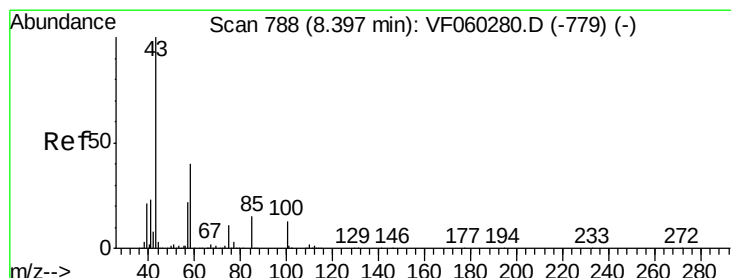
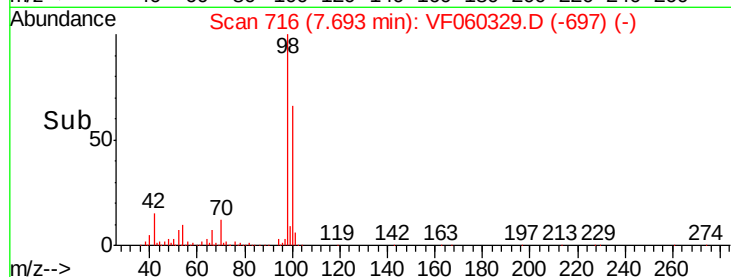
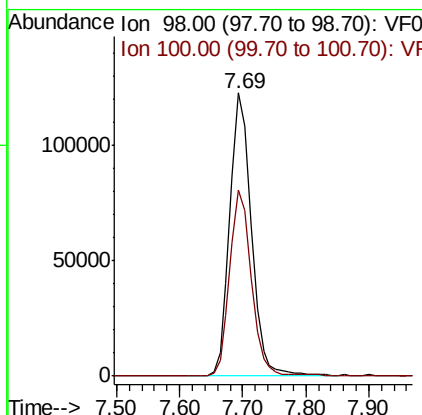
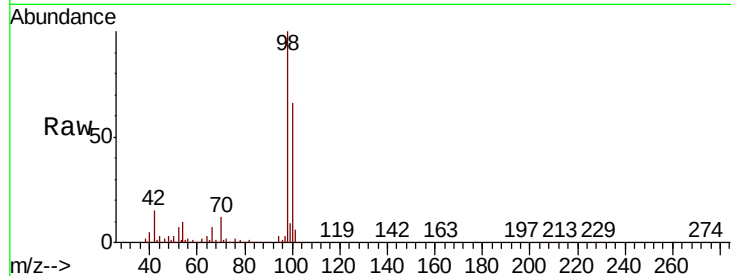




#50
Toluene-d8
Concen: 24.618 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.01 min
Lab File: VF060329.D
Acq: 25 Sep 2018 17:17

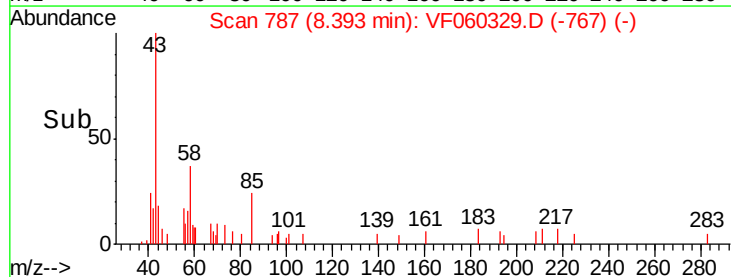
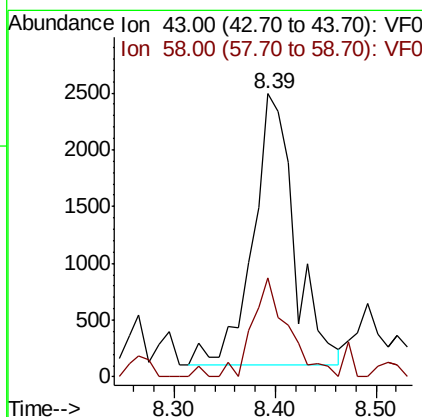
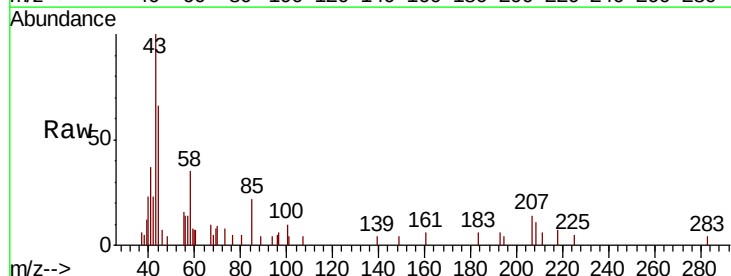
Instrument :
MSVOA_F
ClientSampleId :
230-KV-B

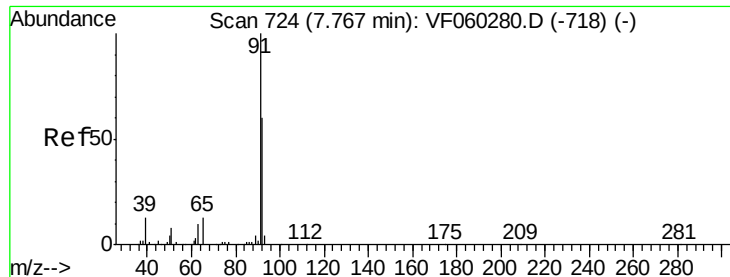
Tgt Ion: 98 Resp: 290903
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.754 ug/l
RT: 8.39 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF060329.D
Acq: 25 Sep 2018 17:17

Tgt Ion: 43 Resp: 6864
Ion Ratio Lower Upper
43 100
58 34.9 31.8 47.8





#58

2-Chloroethyl Vinyl ether

Concen: 4.893 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.00 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Instrument :

MSVOA_F

ClientSampleId :

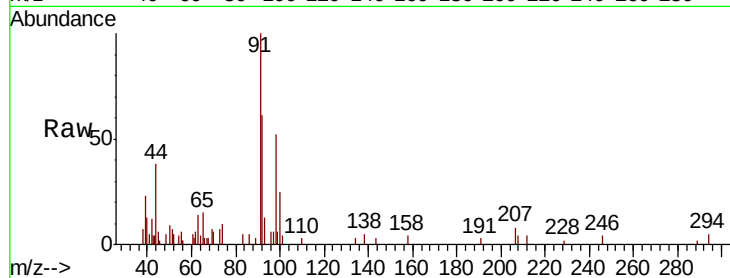
230-KV-B

Tgt Ion: 63 Resp: 1444

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

600

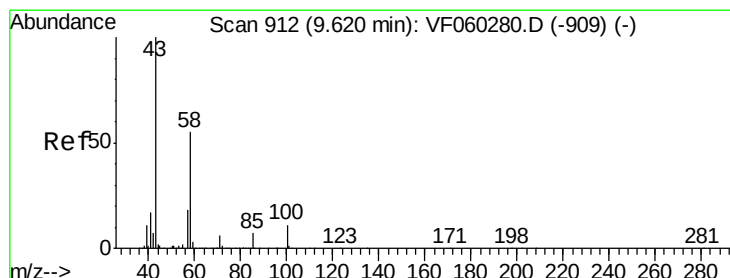
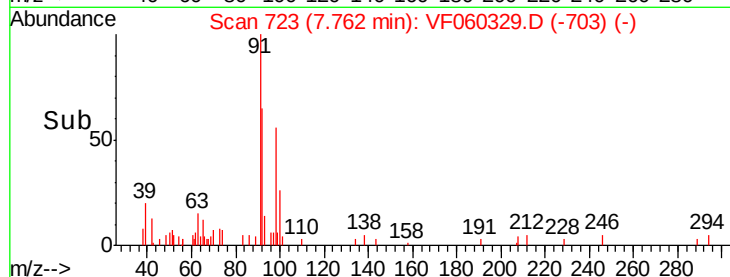
400

200

0

7.70 7.75 7.80 7.85

Time-->



#59

2-Hexanone

Concen: 6.433 ug/l

RT: 9.62 min Scan# 911

Delta R.T. -0.00 min

Lab File: VF060329.D

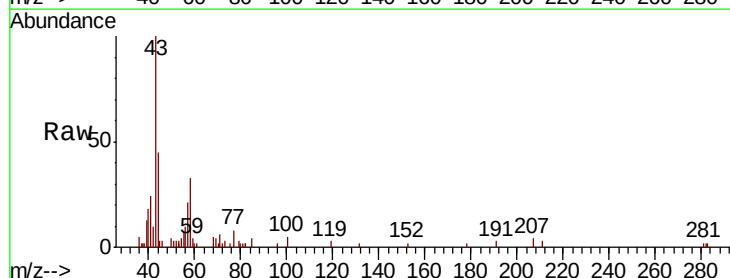
Acq: 25 Sep 2018 17:17

Tgt Ion: 43 Resp: 11418

Ion Ratio Lower Upper

43 100

58 32.8 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

6000

5000

4000

3000

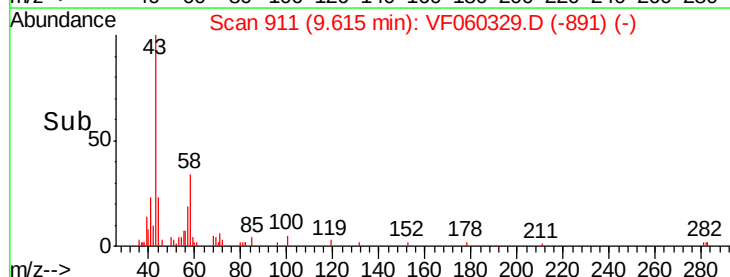
2000

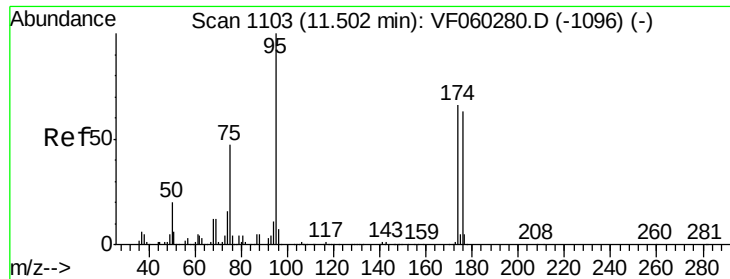
1000

0

9.55 9.60 9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 24.928 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Instrument :

MSVOA_F

ClientSampleId :

230-KV-B

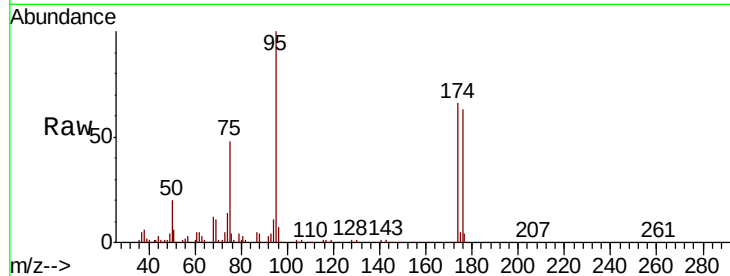
Tgt Ion: 95 Resp: 127331

Ion Ratio Lower Upper

95 100

174 66.1 0.0 131.2

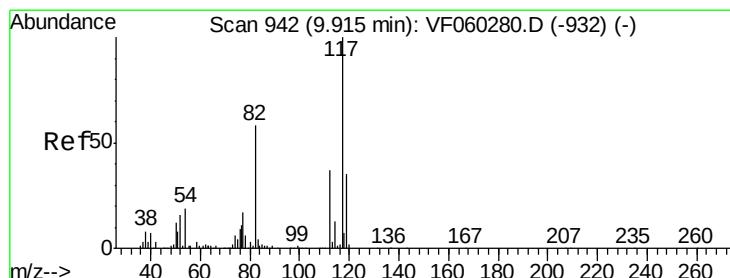
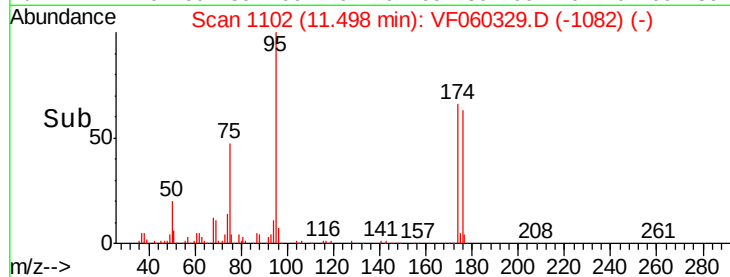
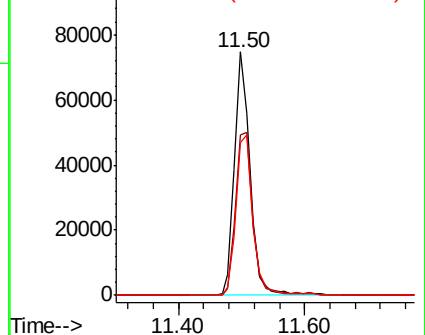
176 62.6 0.0 126.6



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: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

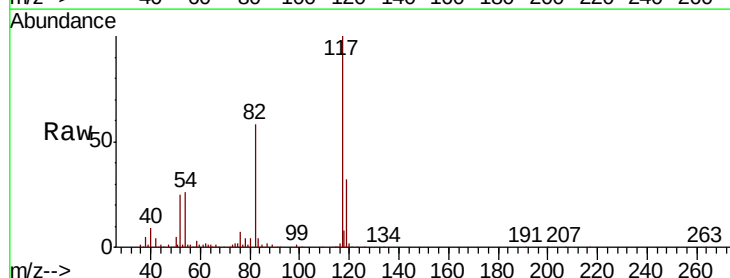
Tgt Ion: 117 Resp: 402106

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

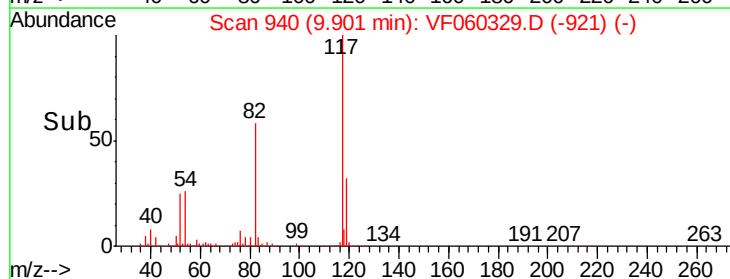
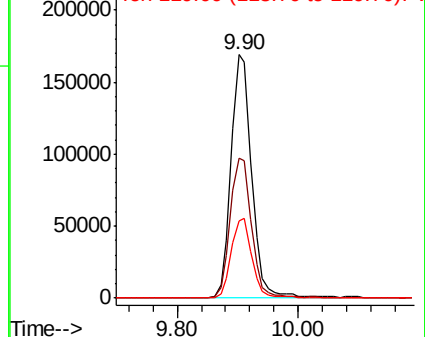
119 31.7 27.8 41.6

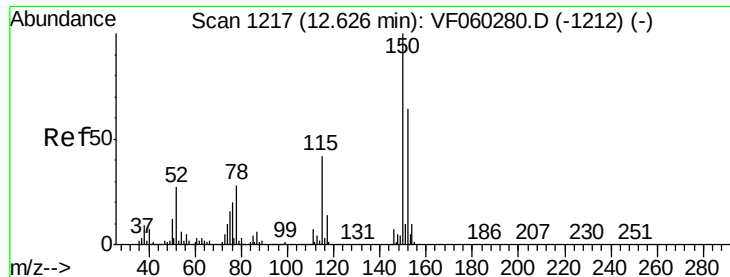


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



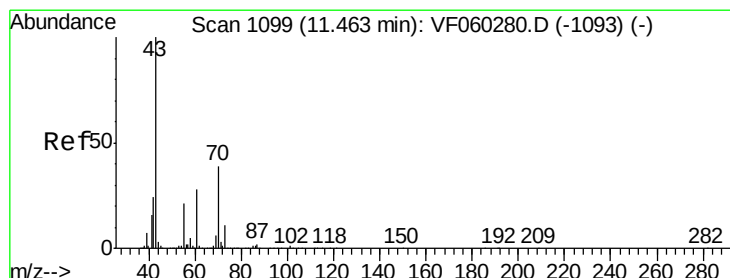
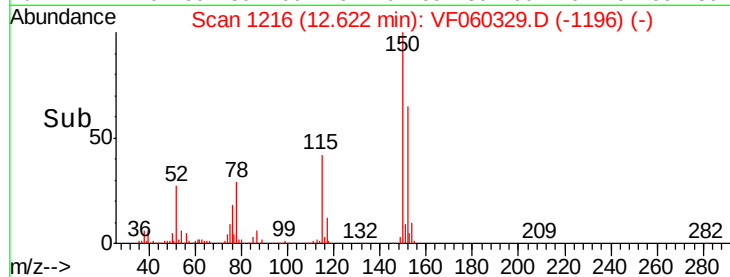
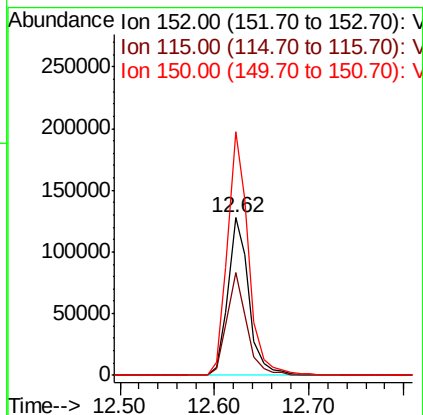
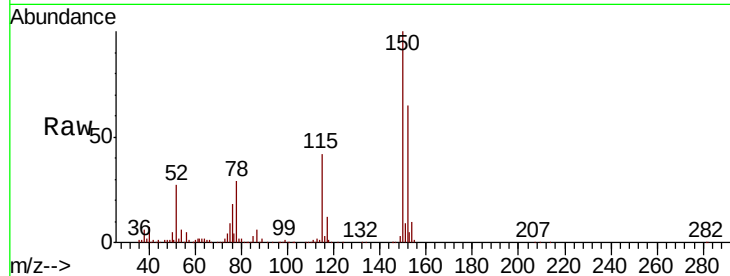


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060329.D
Acq: 25 Sep 2018 17:17

Instrument :
MSVOA_F
ClientSampled :
230-KV-B

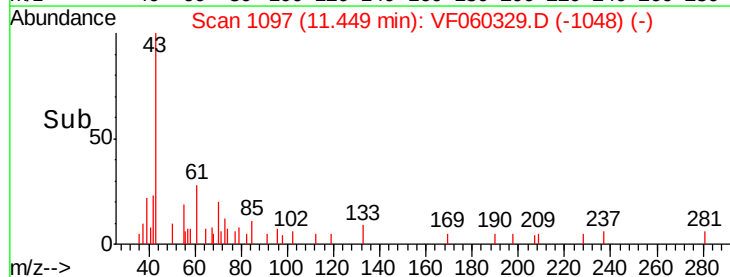
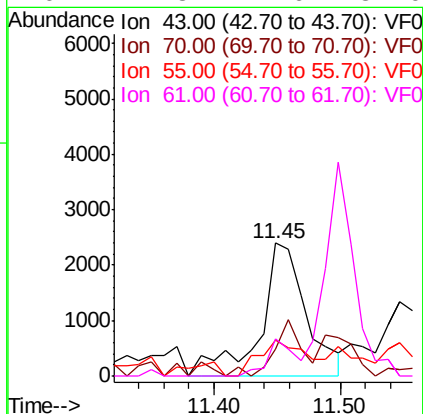
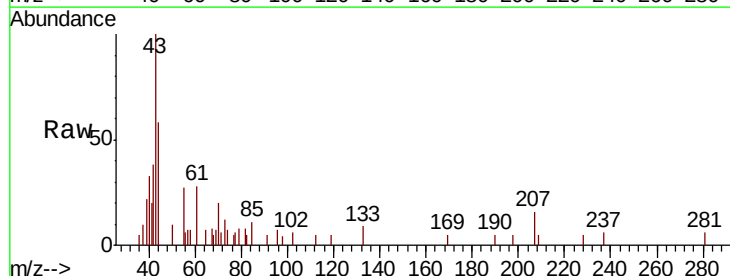
Tgt Ion:152 Resp: 196239
Ion Ratio Lower Upper
152 100
115 65.3 32.6 97.8
150 154.8 0.0 314.2

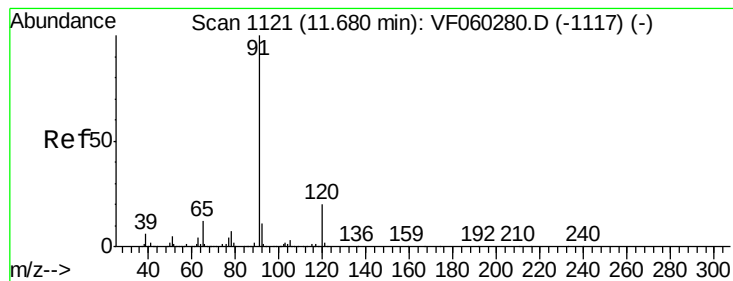


#74

N-amil acetate
Concen: 1.621 ug/l
RT: 11.45 min Scan# 1097
Delta R.T. -0.01 min
Lab File: VF060329.D
Acq: 25 Sep 2018 17:17

Tgt Ion: 43 Resp: 6090
Ion Ratio Lower Upper
43 100
70 20.3 31.4 47.2#
55 26.7 16.8 25.2#
61 27.8 22.6 34.0





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060329.D

Acq: 25 Sep 2018 17:17

Instrument :

MSVOA_F

ClientSampleId :

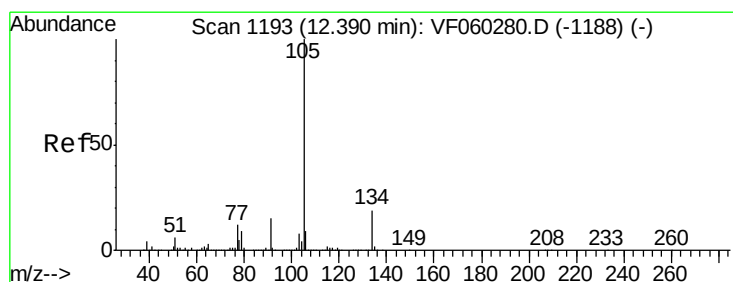
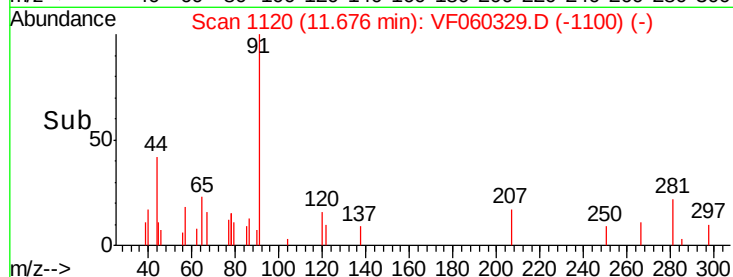
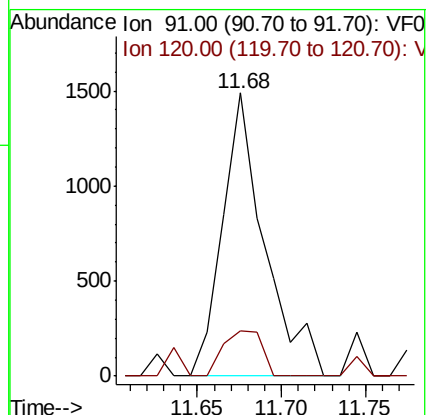
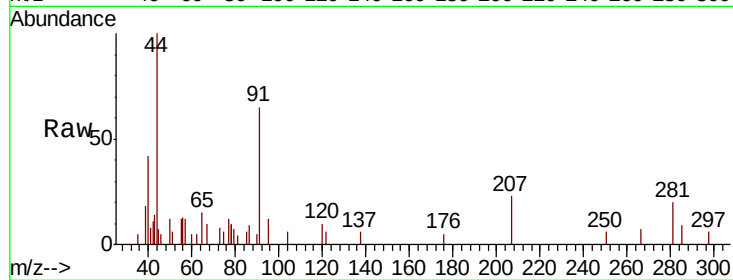
230-KV-B

Tgt Ion: 91 Resp: 2585

Ion Ratio Lower Upper

91 100

120 16.2 10.0 29.8



#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF060329.D

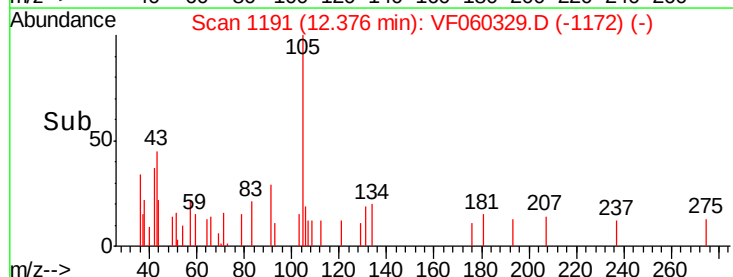
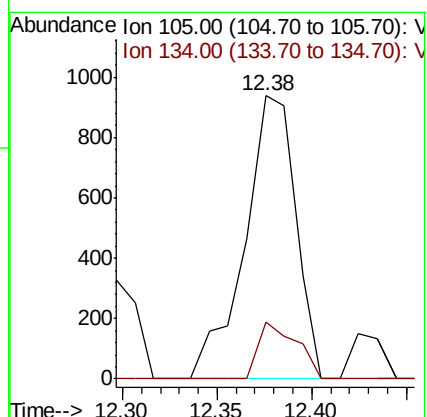
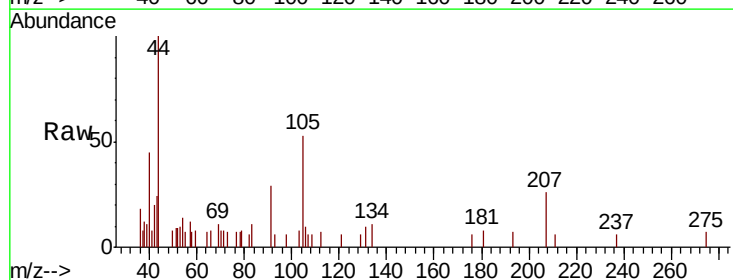
Acq: 25 Sep 2018 17:17

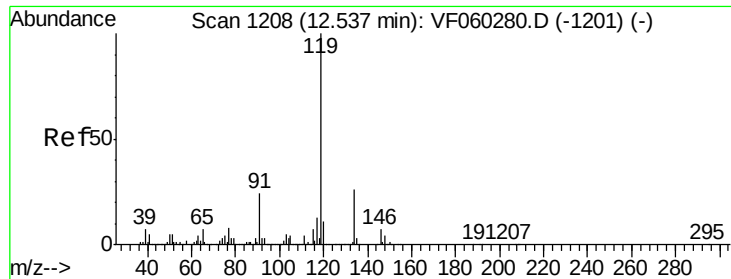
Tgt Ion: 105 Resp: 1763

Ion Ratio Lower Upper

105 100

134 20.3 9.6 28.6

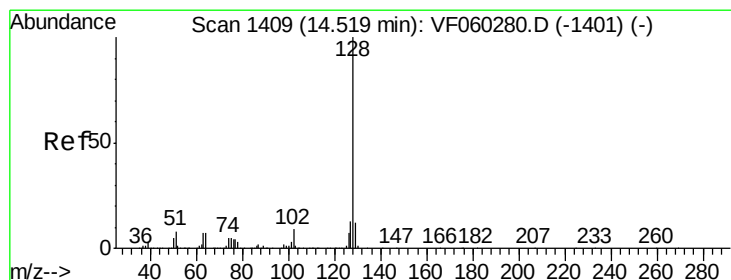
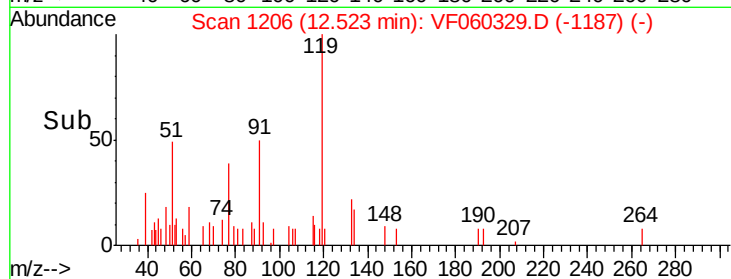
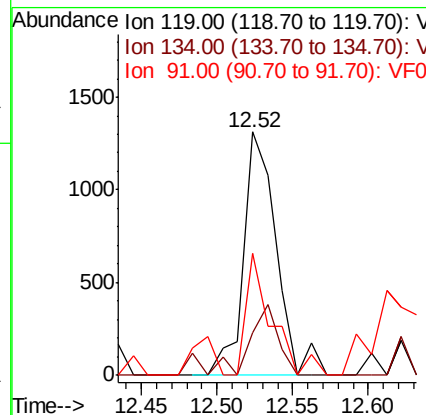
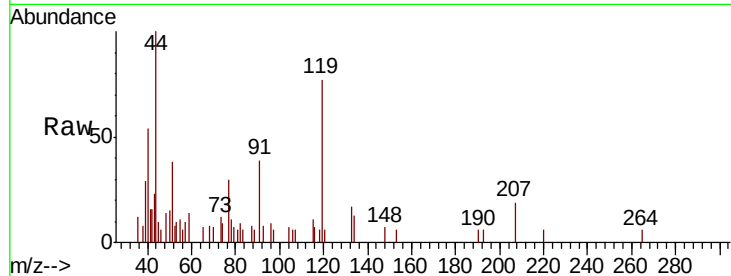




#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.52 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

Instrument :
 MSVOA_F
 ClientSampleId :
 230-KV-B

Tgt Ion	Ratio	Lower	Upper
119	100		
134	17.3	12.9	38.7
91	50.3	11.9	35.7



#95
 Naphthalene
 Concen: 3.729 ug/l
 RT: 14.51 min Scan# 1408
 Delta R.T. -0.00 min
 Lab File: VF060329.D
 Acq: 25 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	12.8	9.8	14.8

