

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062231.D
 Acq On : 19 Apr 2019 18:10
 Operator : FY/SY
 Sample : K2417-02RE
 Misc : 4.74g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

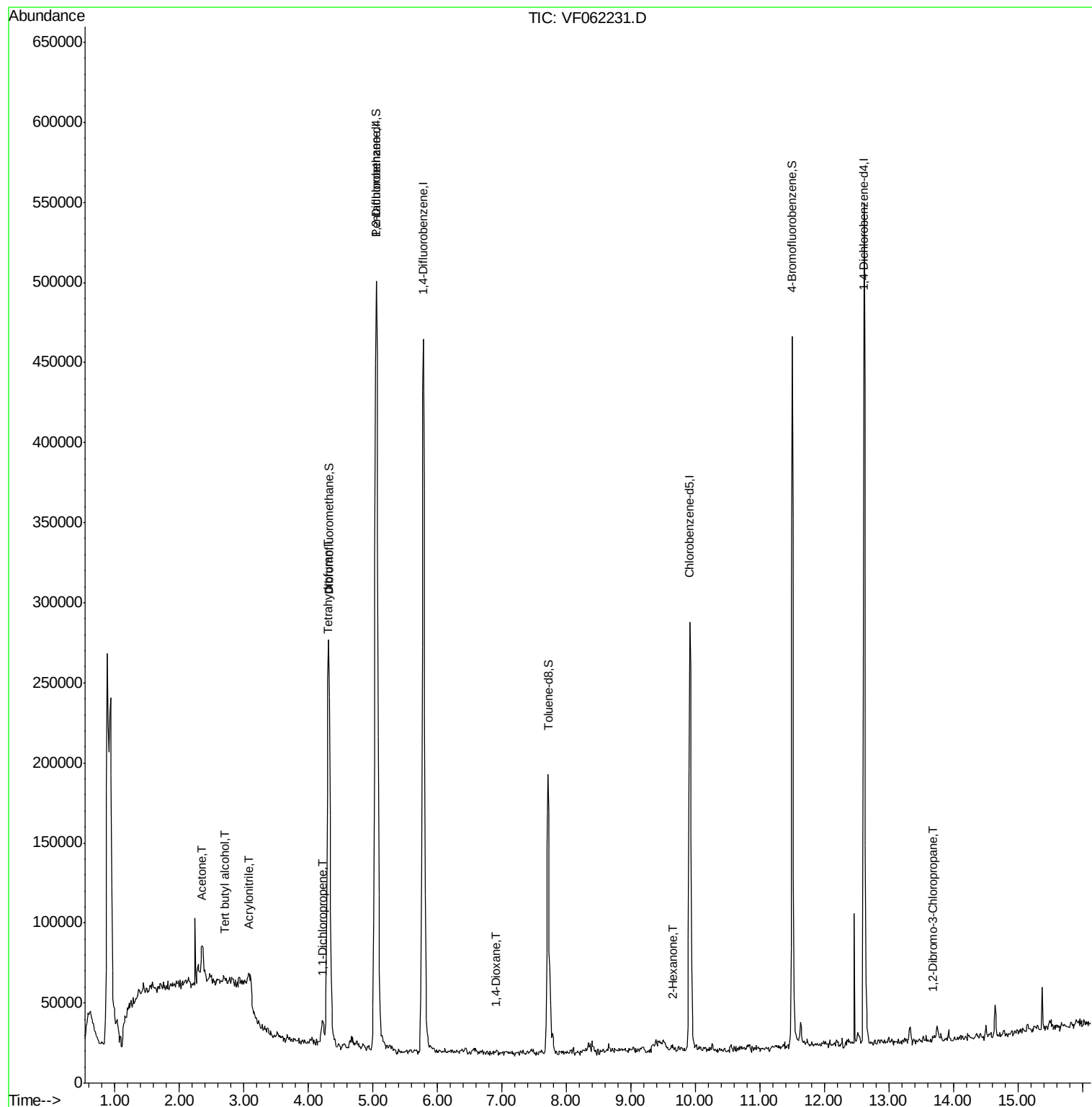
Quant Time: Apr 19 23:02:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

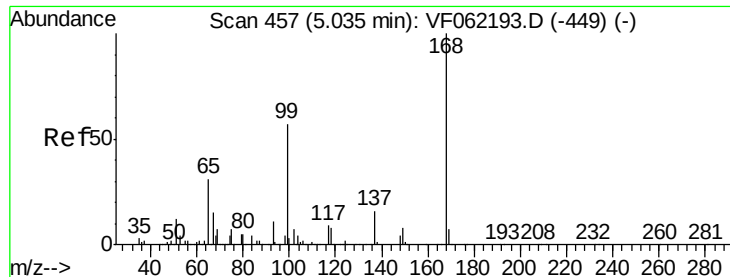
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	397620	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	544506	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	208325	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	144372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	180838	49.60	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.20%	
35) Dibromofluoromethane	4.31	113	244740	51.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	7.72	98	148783	12.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	24.68%	
62) 4-Bromofluorobenzene	11.50	95	160970	34.71	ug/l	0.02
Spiked Amount 50.000			Recovery	=	69.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.71	59	1868	7.371	ug/l #	1
13) Acrolein	2.11	56	185	Below Cal	#	14
15) Acrylonitrile	3.07	53	812	1.052	ug/l #	45
16) Acetone	2.35	43	11325	12.995	ug/l #	85
18) Methyl Acetate	2.47	43	6871	Below Cal		95
20) Methylene Chloride	2.34	84	15369	Below Cal		92
29) Tetrahydrofuran	4.29	42	1349	1.710	ug/l #	88
36) 1,1-Dichloropropene	4.22	75	31906	4.887	ug/l #	42
49) 1,4-Dioxane	6.90	88	60	2.457	ug/l #	1
59) 2-Hexanone	9.64	43	6455	4.430	ug/l #	49
74) N-amyl acetate	11.46	43	4838	Below Cal	#	48
89) n-Butylbenzene	12.90	91	2343	Below Cal	#	68
92) 1,2-Dibromo-3-Chloropropan	13.68	75	448	1.069	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062231.D

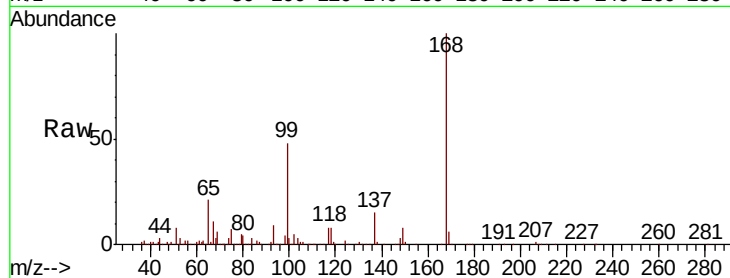
Acq: 19 Apr 2019 18:10

Tot Ion:168 Resp: 397620

Ion Ratio Lower Upper

168 100

99 47.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

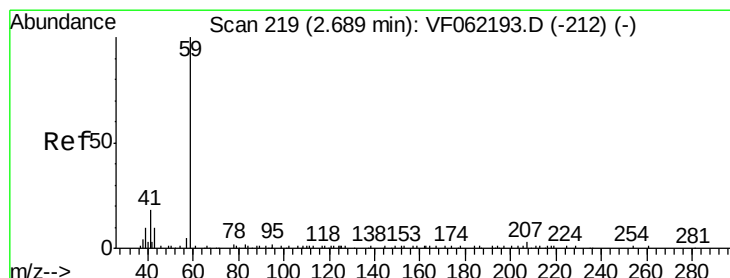
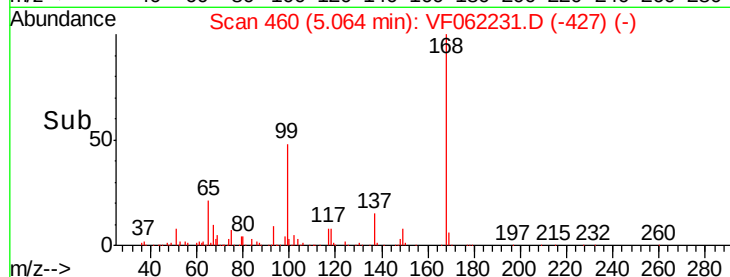
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.371 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF062231.D

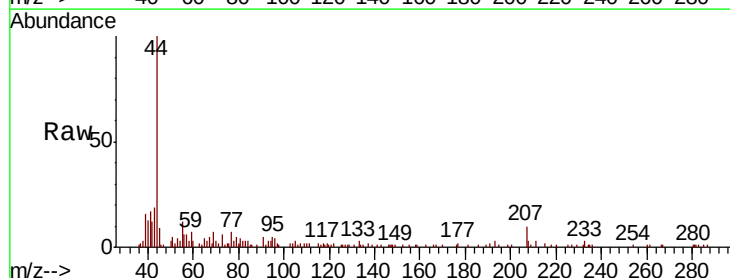
Acq: 19 Apr 2019 18:10

Tgt Ion: 59 Resp: 1868

Ion Ratio Lower Upper

59 100

57 50.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

1200

1000

800

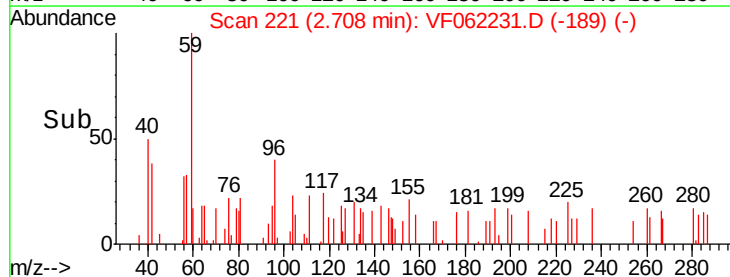
600

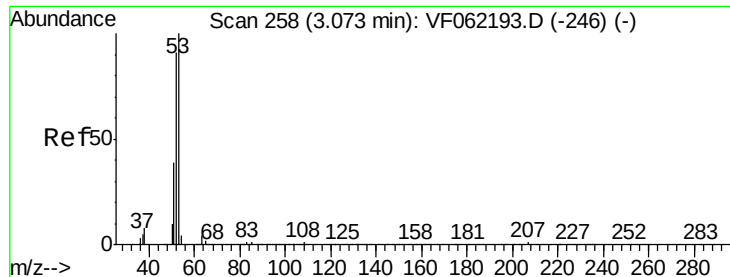
400

200

0

Time-->





#15

Acrylonitrile

Concen: 1.052 ug/l

RT: 3.07 min Scan# 258

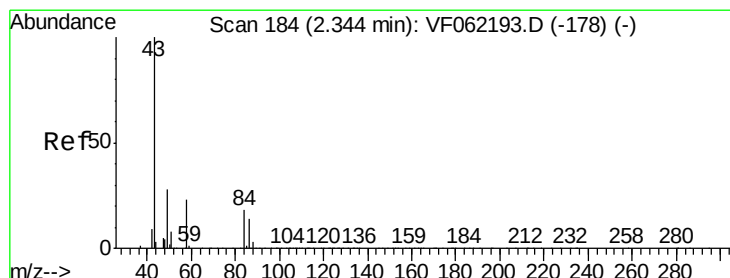
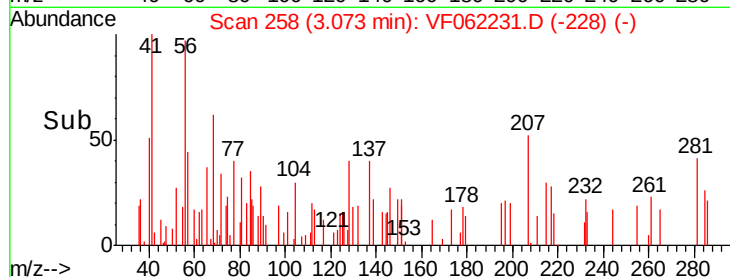
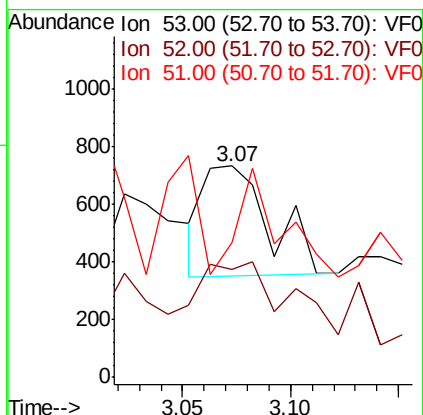
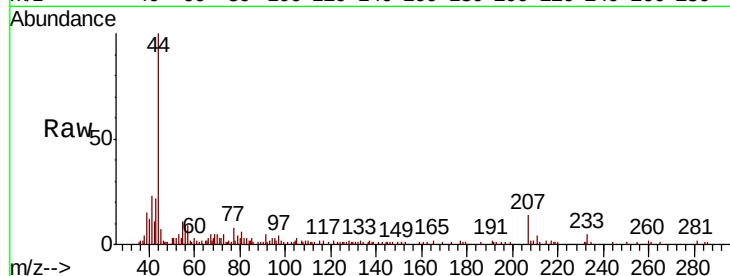
Delta R.T. -0.00 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Tot Ion: 53 Resp: 812

Ion	Ratio	Lower	Upper
53	100		
52	129.9	69.5	104.3#
51	84.5	31.8	47.8#



#16

Acetone

Concen: 12.995 ug/l

RT: 2.35 min Scan# 185

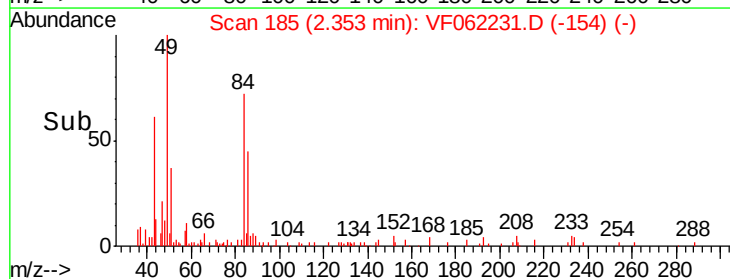
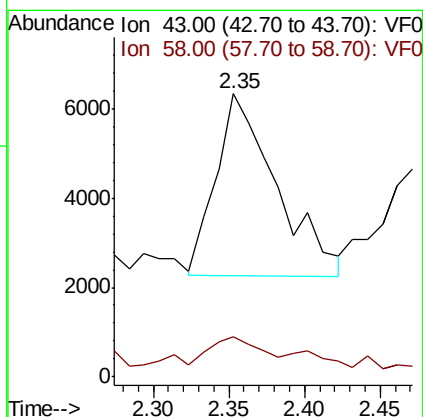
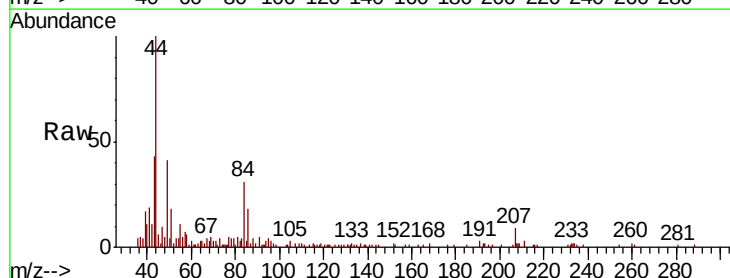
Delta R.T. 0.01 min

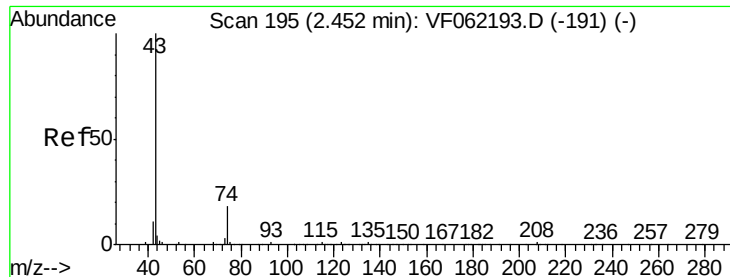
Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Tgt Ion: 43 Resp: 11325

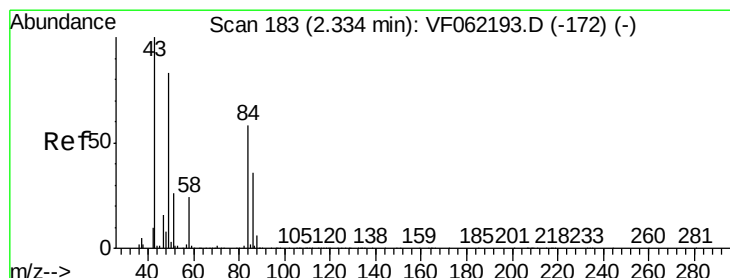
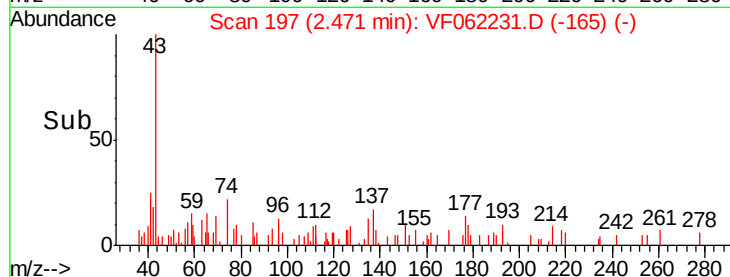
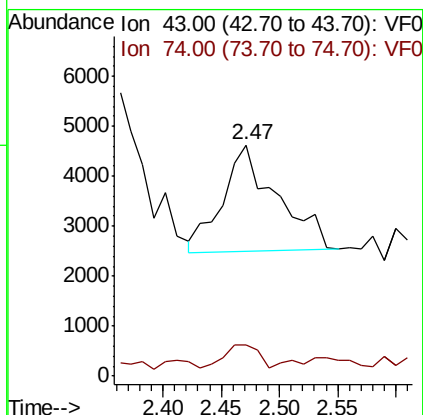
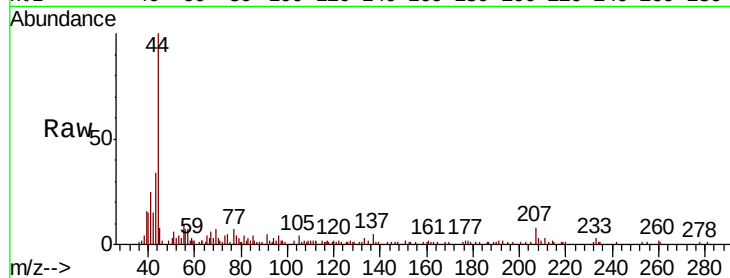
Ion	Ratio	Lower	Upper
43	100		
58	16.0	18.8	28.2#





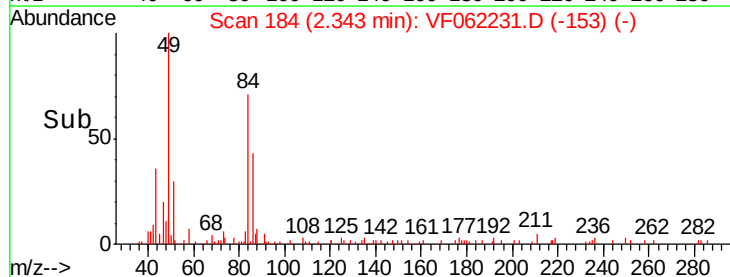
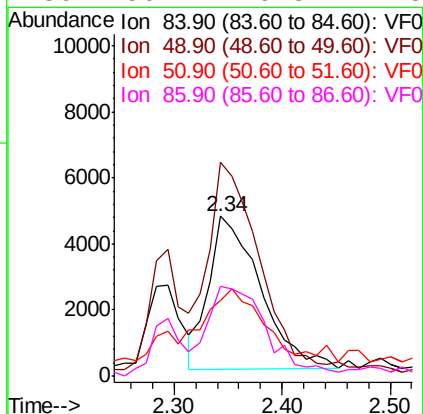
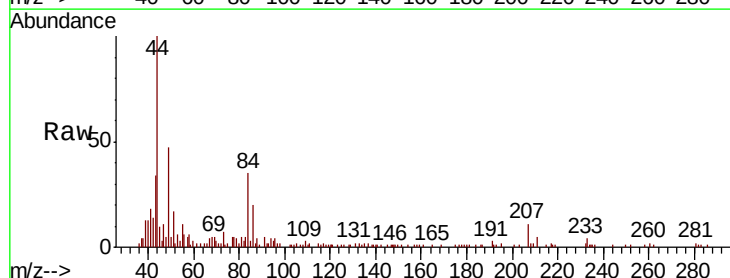
#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

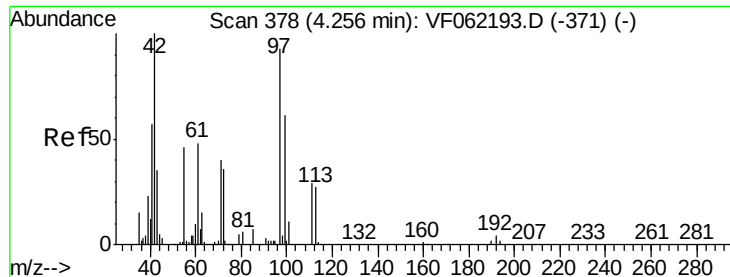
Tot Ion: 43 Resp: 6871
Ion Ratio Lower Upper
43 100
74 15.9 14.5 21.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tgt Ion: 84 Resp: 15369
Ion Ratio Lower Upper
84 100
49 131.9 114.0 171.0
51 40.5 37.0 55.4
86 56.7 49.8 74.8





#29

Tetrahydrofuran

Concen: 1.710 ug/l

RT: 4.29 min Scan# 382

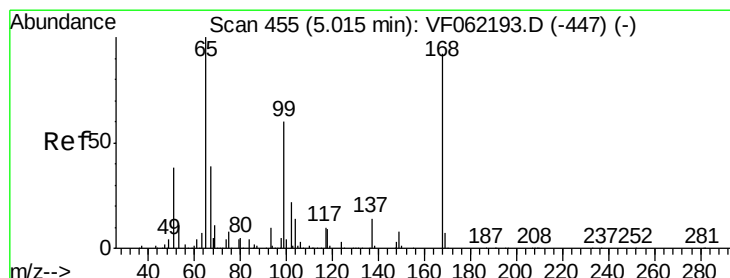
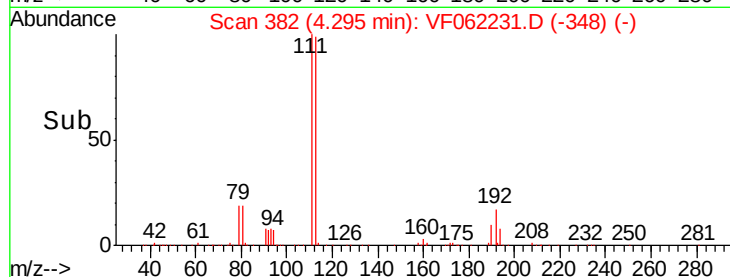
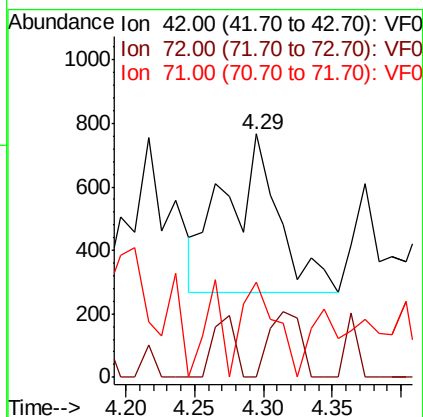
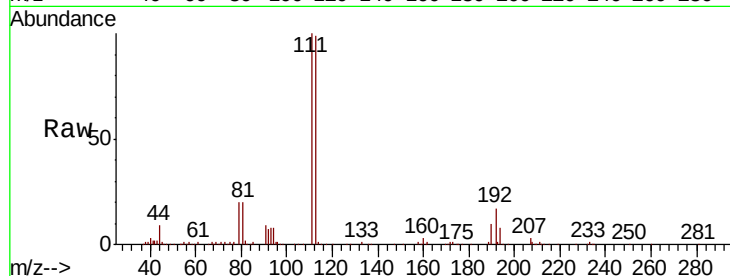
Delta R.T. 0.04 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Tot Ion: 42 Resp: 1349

Ion	Ratio	Lower	Upper
42	100		
72	23.9	28.6	43.0#
71	38.6	29.2	43.8



#33

1,2-Dichloroethane-d4

Concen: 49.600 ug/l

RT: 5.04 min Scan# 458

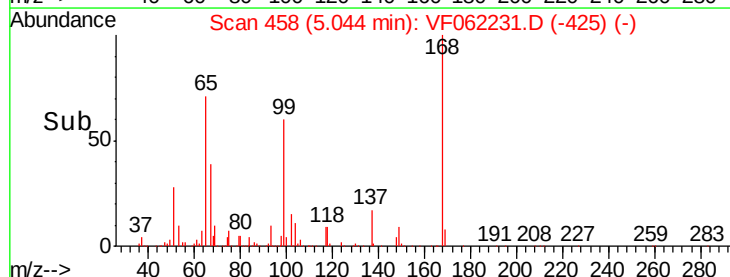
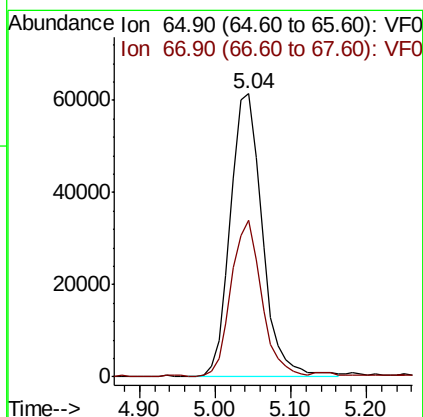
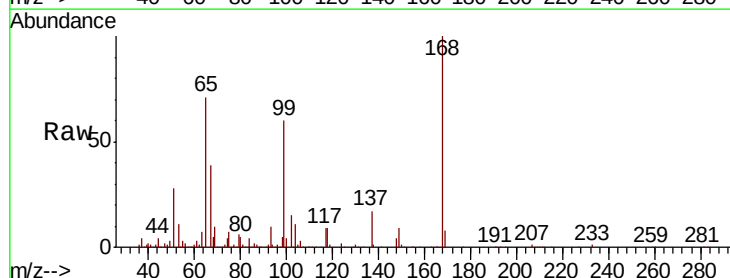
Delta R.T. 0.03 min

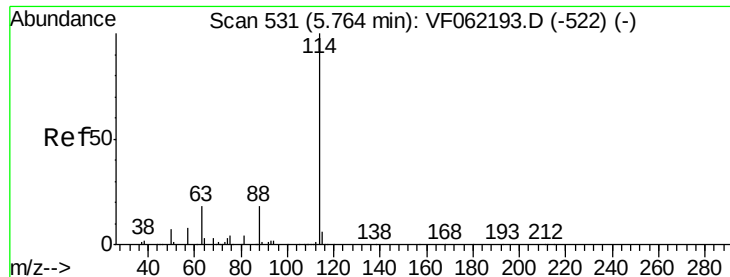
Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Tgt Ion: 65 Resp: 180838

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

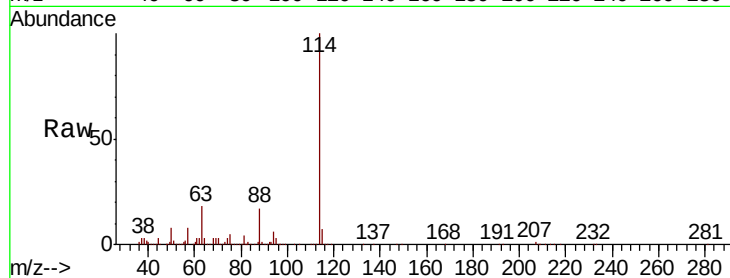
Tot Ion:114 Resp: 544506

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

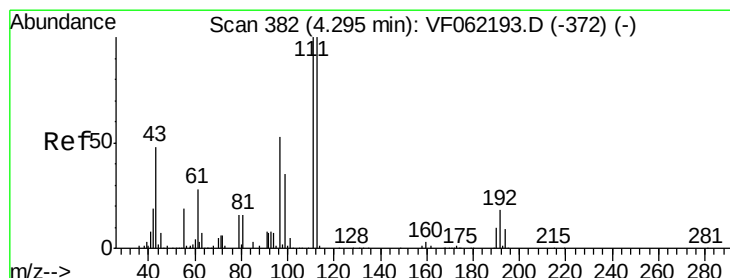
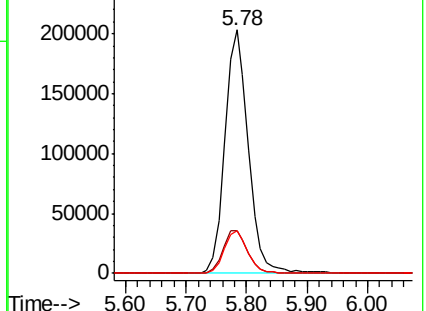
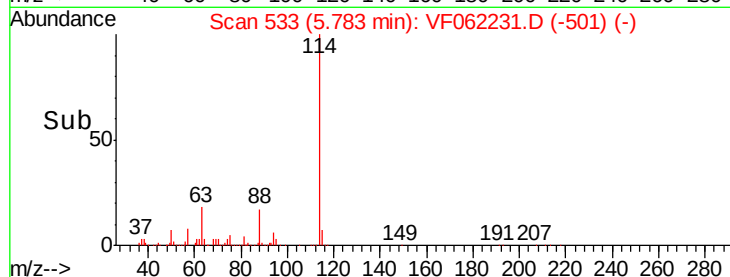
88 17.3 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 51.384 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

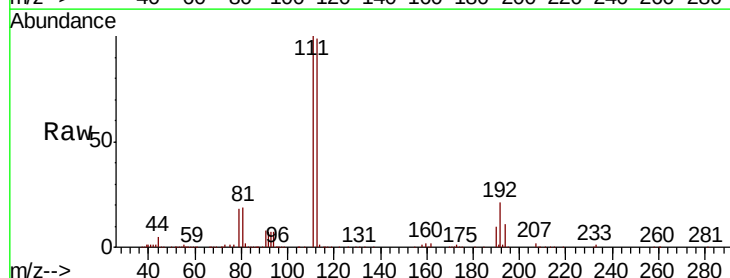
Tgt Ion:113 Resp: 244740

Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

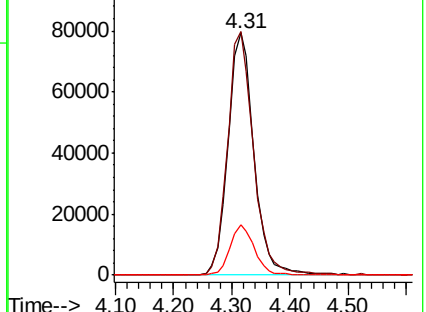
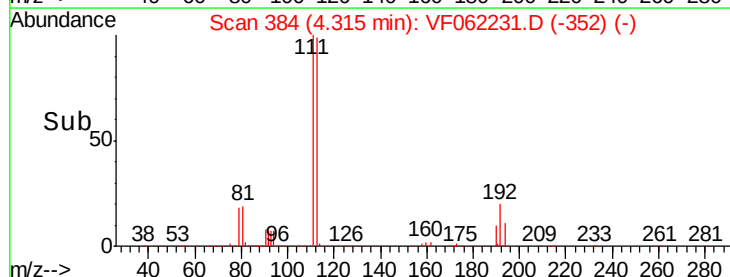
192 19.6 14.7 22.1

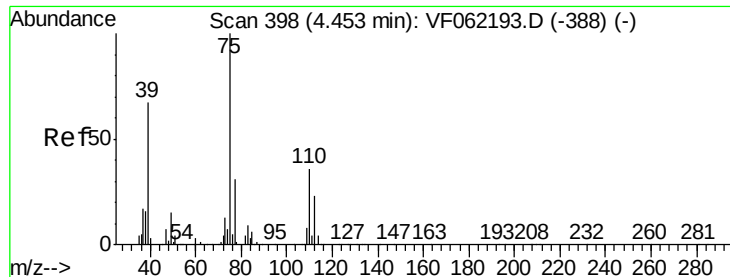


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

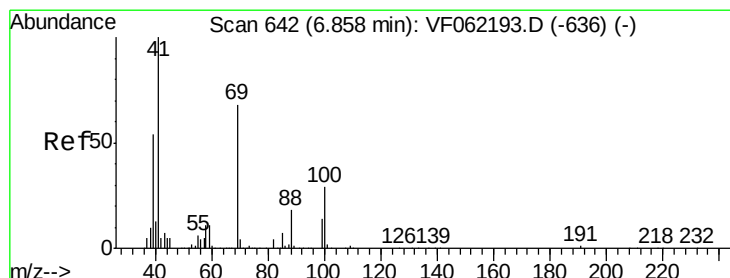
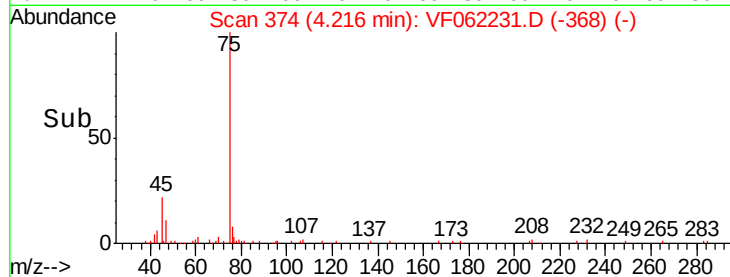
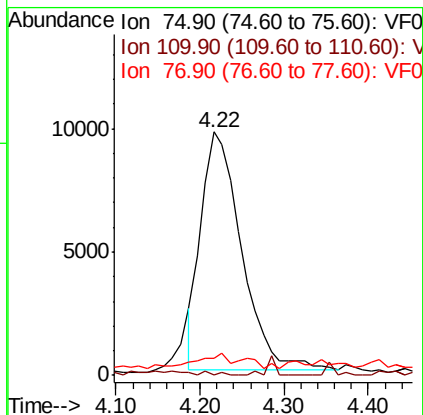
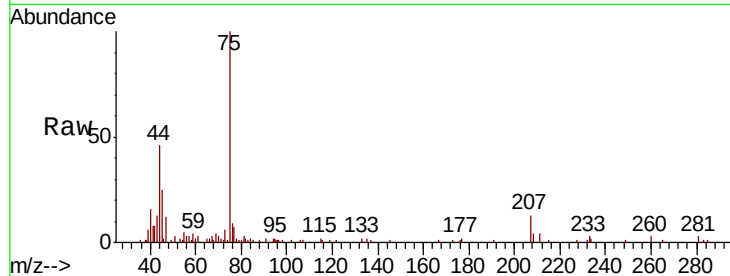
Ion 191.70 (191.40 to 192.40): V





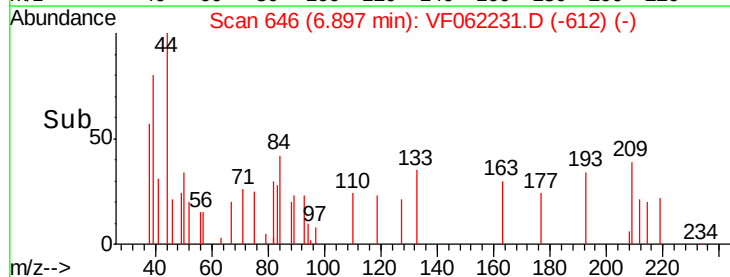
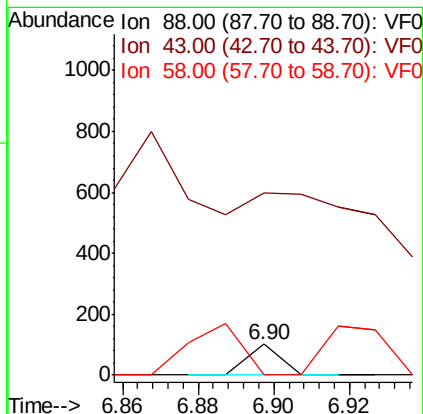
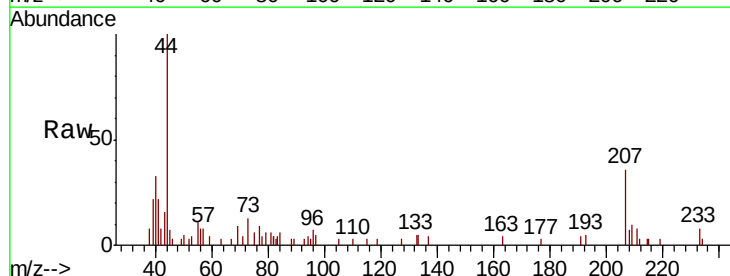
#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.24 min
 Lab File: VF062231.D
 Acq: 19 Apr 2019 18:10

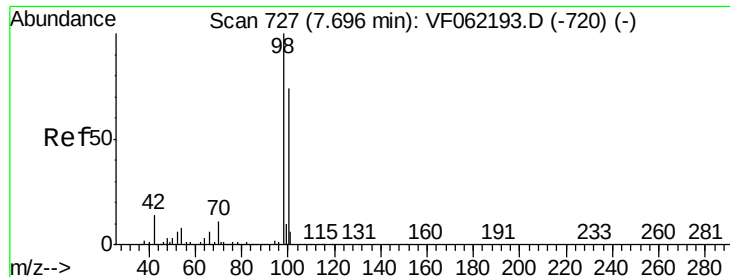
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.6	18.4	55.2#
77	1.3	25.4	38.2#



#49
 1,4-Dioxane
 Concen: 2.457 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.04 min
 Lab File: VF062231.D
 Acq: 19 Apr 2019 18:10

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	36.9	55.3#
58	268.3	56.8	85.2#





#50

Toluene-d8

Concen: 12.340 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062231.D

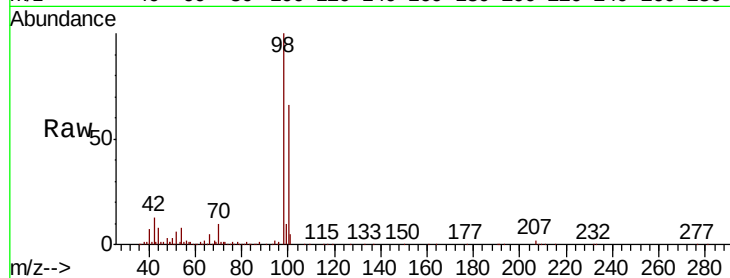
Acq: 19 Apr 2019 18:10

Tot Ion: 98 Resp: 148783

Ion Ratio Lower Upper

98 100

100 66.8 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.72

60000

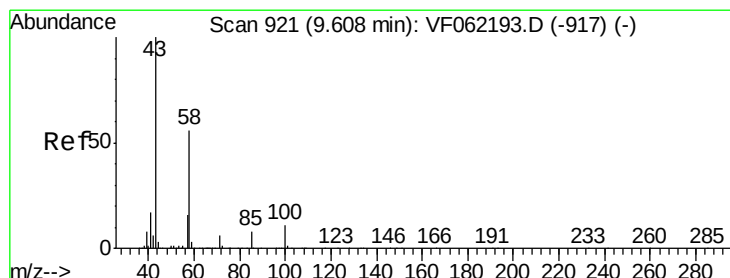
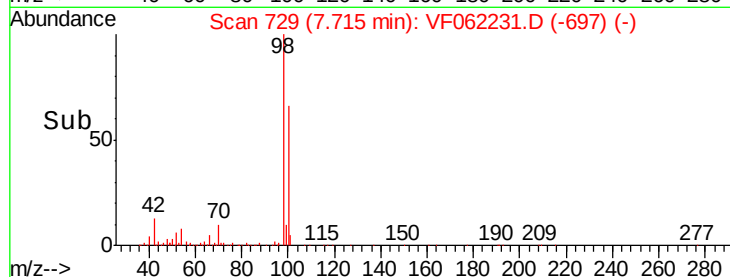
40000

20000

0

7.60 7.70 7.80 7.90

Time-->



#59

2-Hexanone

Concen: 4.430 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.03 min

Lab File: VF062231.D

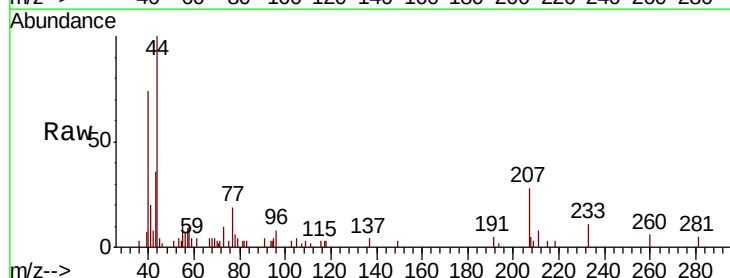
Acq: 19 Apr 2019 18:10

Tgt Ion: 43 Resp: 6455

Ion Ratio Lower Upper

43 100

58 14.6 24.6 74.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

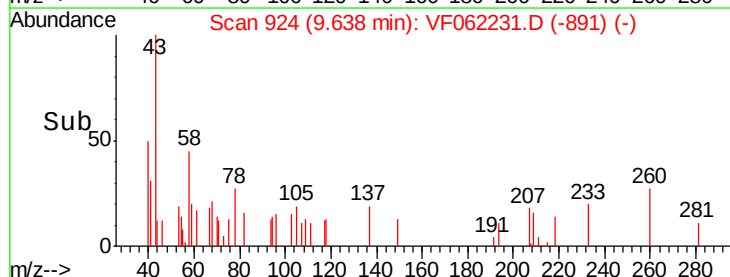
1000

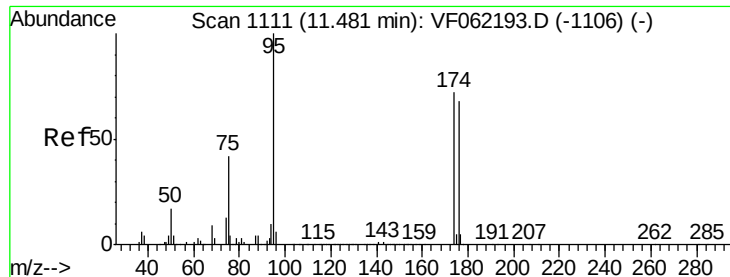
500

0

9.55 9.60 9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 34.705 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

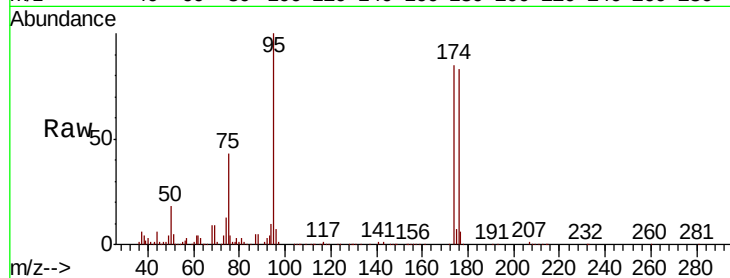
Tot Ion: 95 Resp: 160970

Ion Ratio Lower Upper

95 100

174 88.8 0.0 159.4

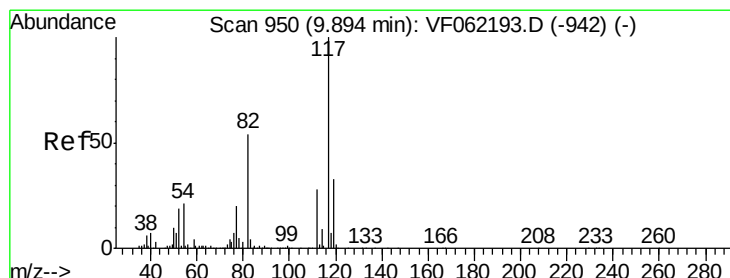
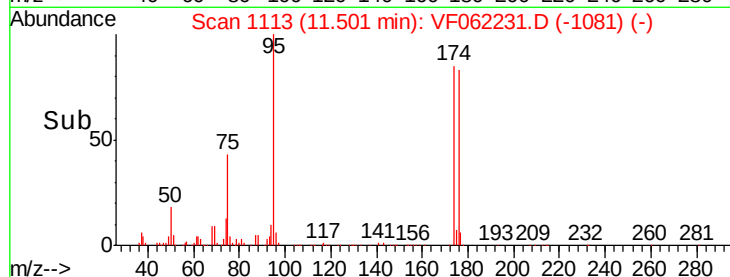
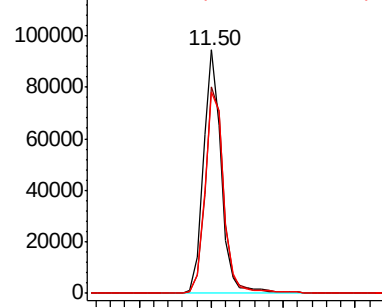
176 88.3 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

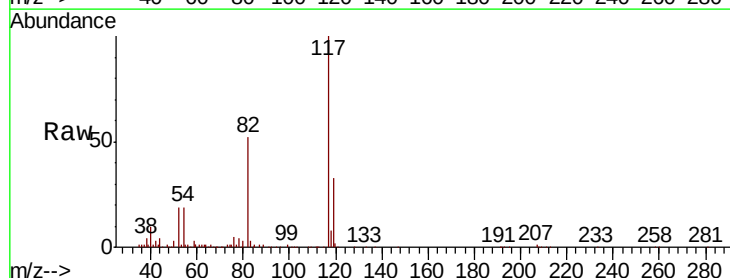
Tgt Ion: 117 Resp: 208325

Ion Ratio Lower Upper

117 100

82 51.8 43.2 64.8

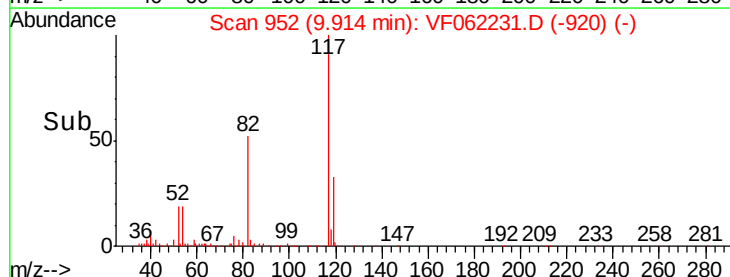
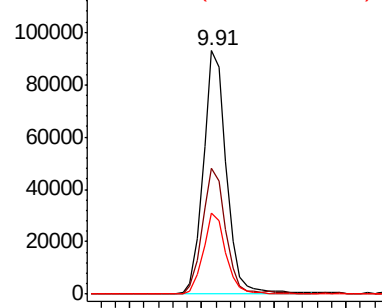
119 33.1 26.2 39.4

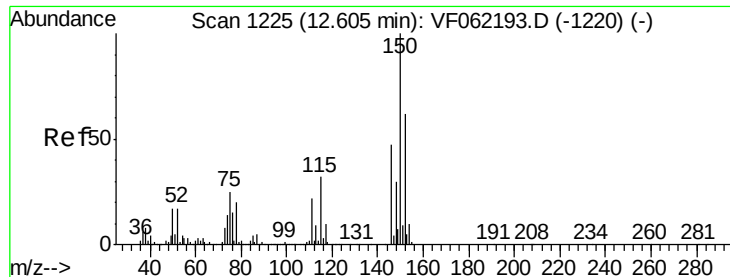


Abundance Ion 116.90 (116.60 to 117.60): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0

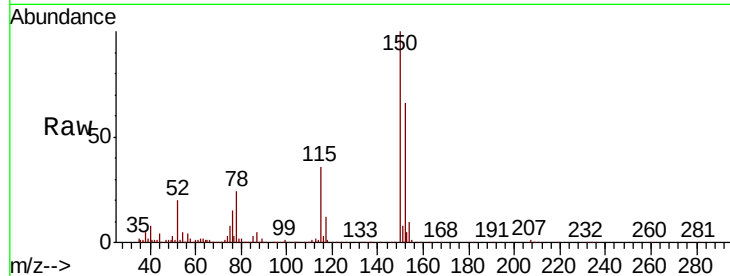




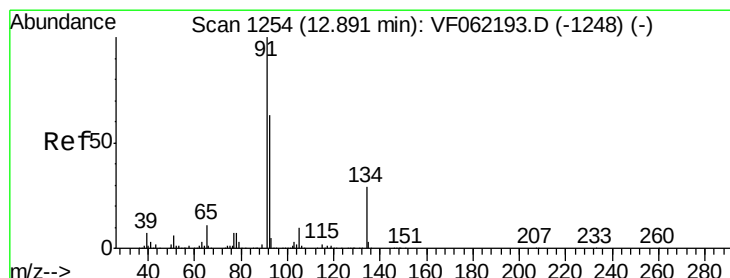
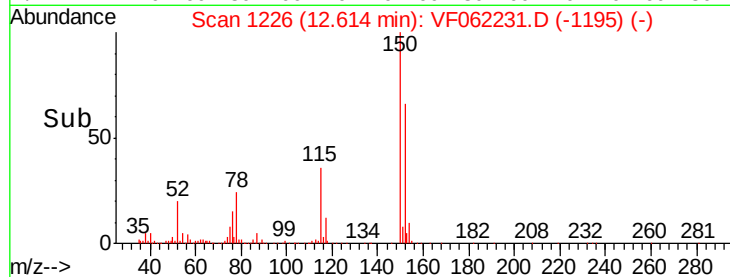
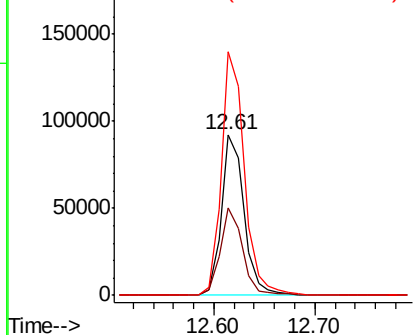
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.8	83.3
150	154.5	0.0	341.8



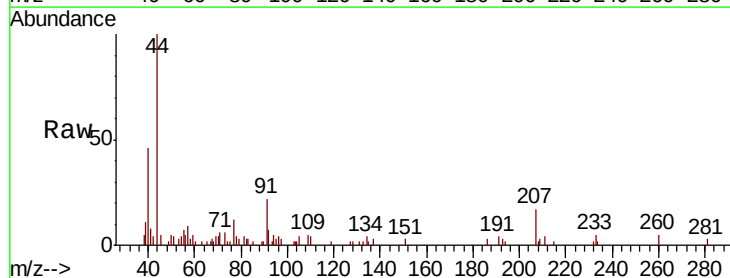
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



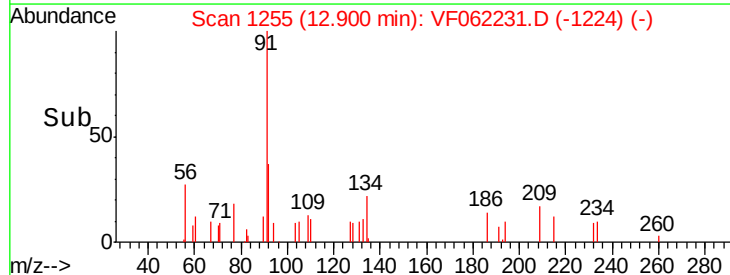
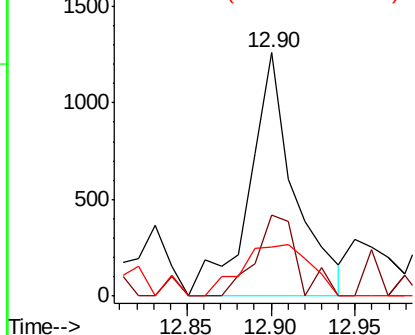
#89

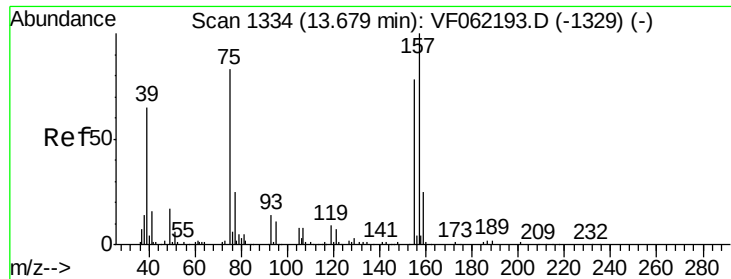
n-Butylbenzene
Concen: Below Cal
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	30.9	31.2	93.6#
134	32.1	13.1	39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.069 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062231.D
 Acq: 19 Apr 2019 18:10

Tot Ion: 75 Resp: 448
 Ion Ratio Lower Upper
 75 100
 155 24.1 47.6 142.8#
 157 0.0 61.3 183.9#

