

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062234.D
 Acq On : 19 Apr 2019 19:36
 Operator : FY/SY
 Sample : K2496-01
 Misc : 6.13g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

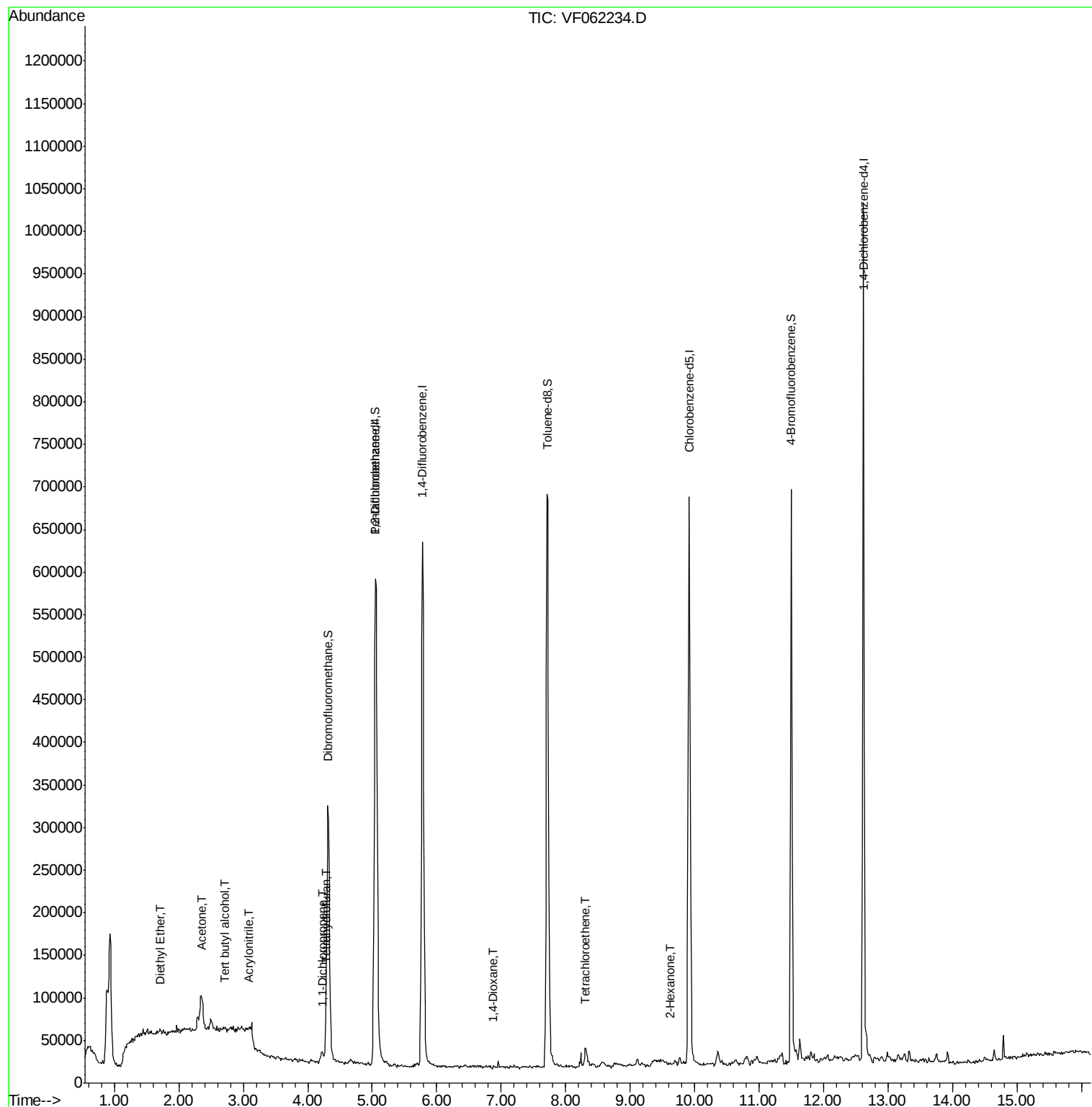
Quant Time: Apr 19 23:03:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

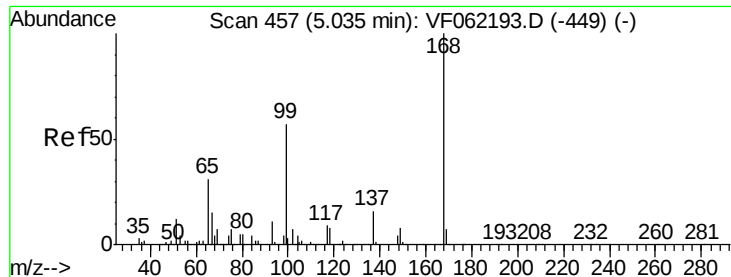
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	499414	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	729027	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	523618	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	287468	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	211843	46.26	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.52%	
35) Dibromofluoromethane	4.31	113	297480	46.65	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.30%	
50) Toluene-d8	7.71	98	641655	39.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.50%	
62) 4-Bromofluorobenzene	11.50	95	258769	41.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.34%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	2861	1.606	ug/l	54
11) Tert butyl alcohol	2.71	59	780	2.450	ug/l #	47
13) Acrolein	2.11	56	447	Below Cal	#	1
15) Acrylonitrile	3.09	53	1361	1.404	ug/l #	42
16) Acetone	2.35	43	28880	26.384	ug/l	98
18) Methyl Acetate	2.49	43	10000	Below Cal	#	77
20) Methylene Chloride	2.34	84	25457	Below Cal		97
29) Tetrahydrofuran	4.27	42	1216	1.227	ug/l #	81
36) 1,1-Dichloropropene	4.22	75	28423	3.252	ug/l #	45
49) 1,4-Dioxane	6.86	88	79	2.416	ug/l #	1
59) 2-Hexanone	9.63	43	2759	1.508	ug/l	93
64) Tetrachloroethene	8.31	164	7135	1.509	ug/l	87
74) N-amyl acetate	11.46	43	1211	Below Cal	#	49
89) n-Butylbenzene	12.90	91	1164	Below Cal	#	55

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

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QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062234.D

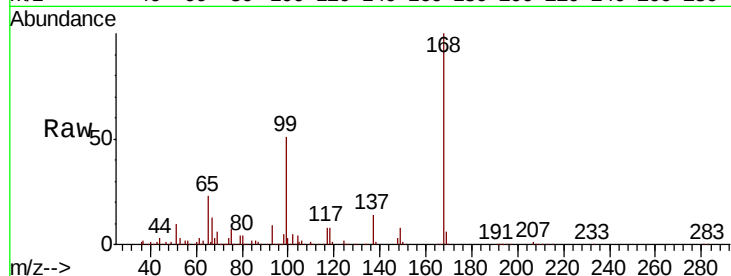
Acq: 19 Apr 2019 19:36

Tot Ion:168 Resp: 499414

Ion Ratio Lower Upper

168 100

99 51.2 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

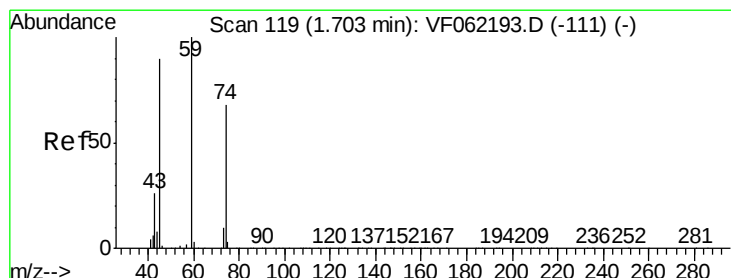
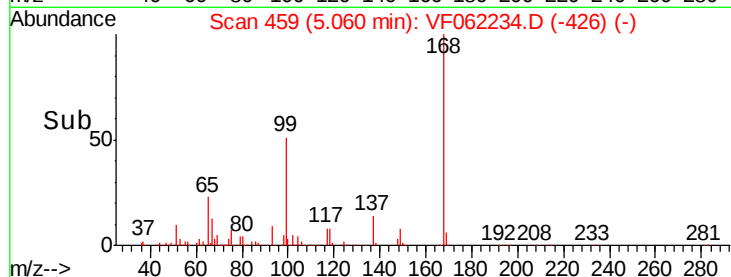
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.606 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF062234.D

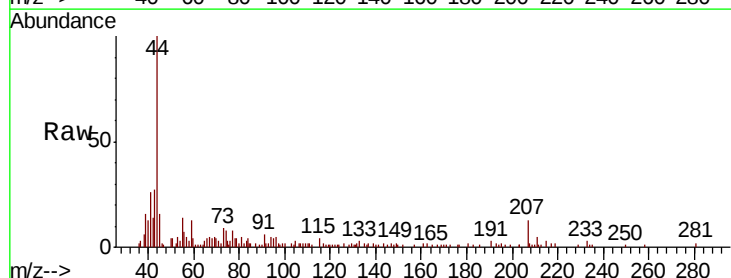
Acq: 19 Apr 2019 19:36

Tgt Ion: 74 Resp: 2861

Ion Ratio Lower Upper

74 100

45 84.7 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

2000

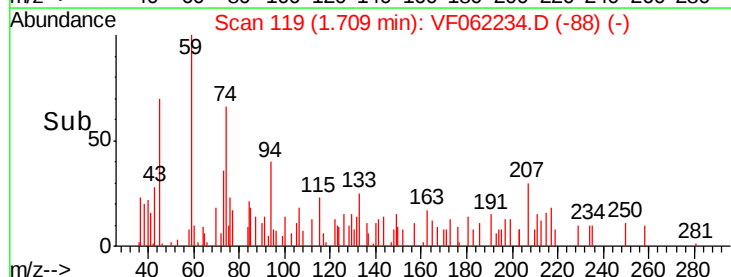
1500

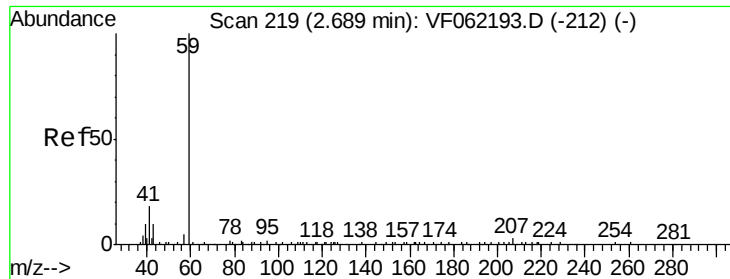
1000

500

0

Time-->

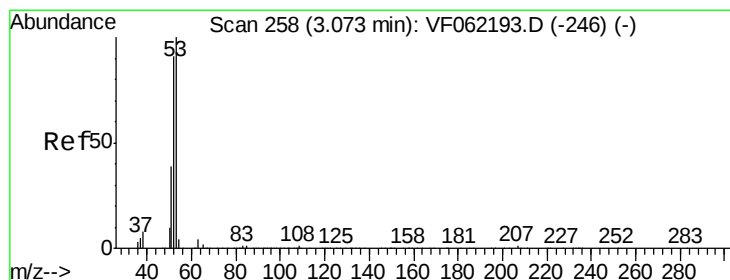
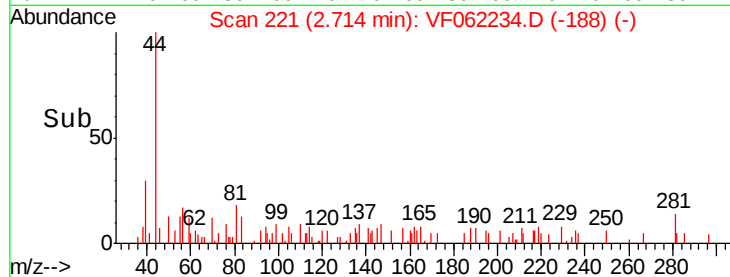
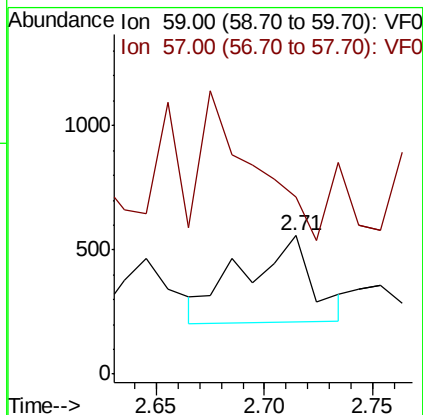
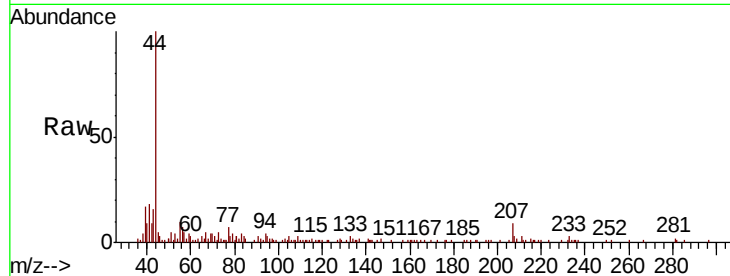




#11

Tert butyl alcohol
Concen: 2.450 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

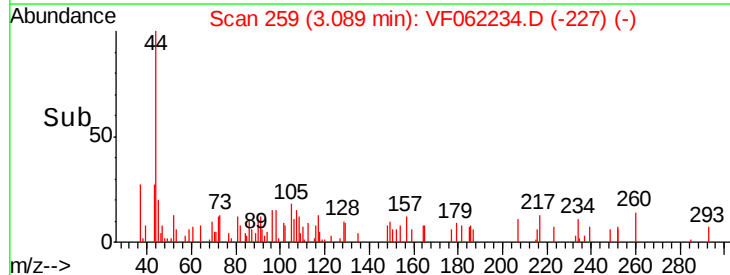
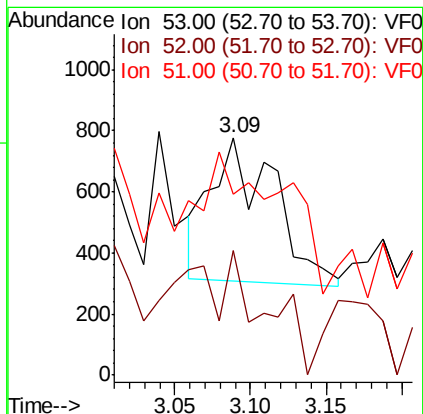
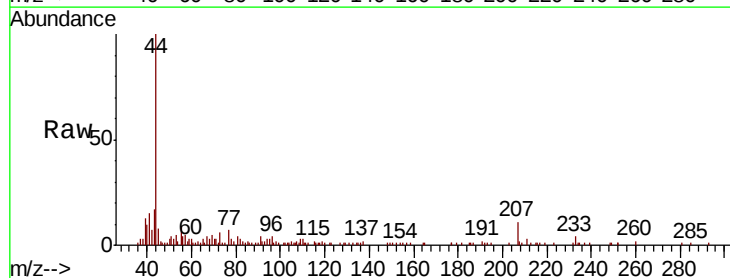
Tot Ion: 59 Resp: 780
Ion Ratio Lower Upper
59 100
57 32.1 9.3 13.9#

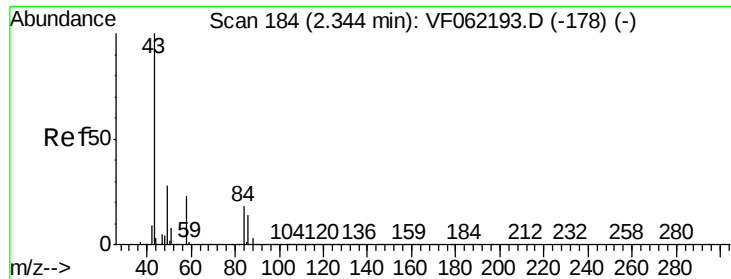


#15

Acrylonitrile
Concen: 1.404 ug/l
RT: 3.09 min Scan# 259
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion: 53 Resp: 1361
Ion Ratio Lower Upper
53 100
52 24.9 69.5 104.3#
51 16.7 31.8 47.8#





#16

Acetone

Concen: 26.384 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062234.D

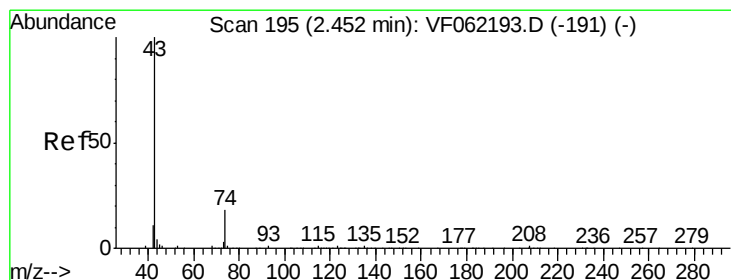
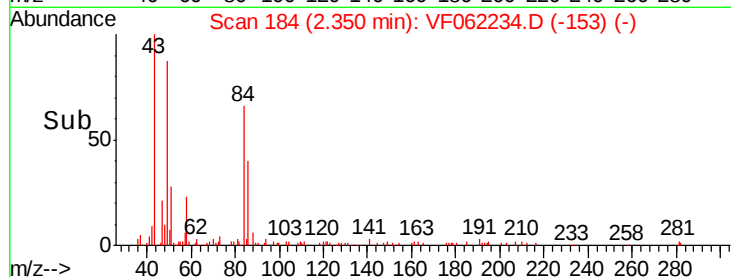
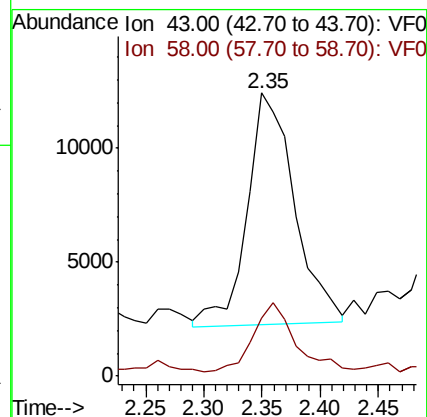
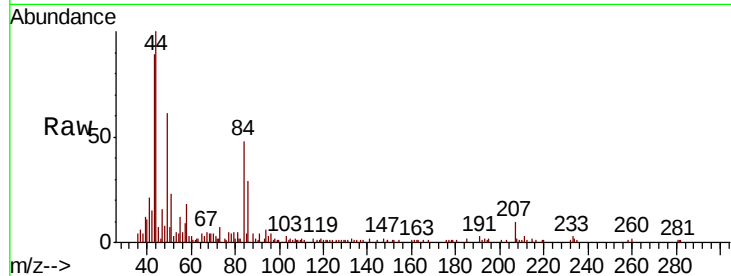
Acq: 19 Apr 2019 19:36

Tot Ion: 43 Resp: 28880

Ion Ratio Lower Upper

43 100

58 22.6 18.8 28.2



#18

Methyl Acetate

Concen: Below Cal

RT: 2.49 min Scan# 198

Delta R.T. 0.04 min

Lab File: VF062234.D

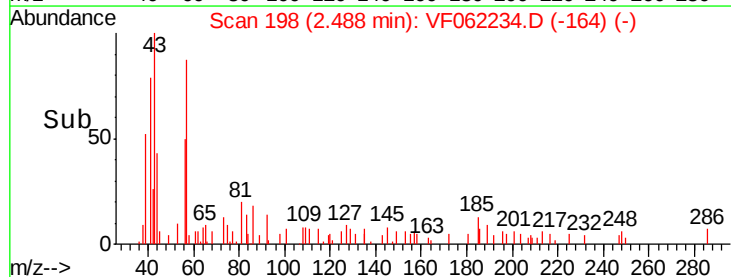
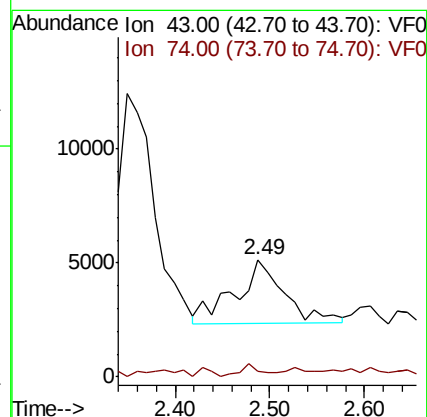
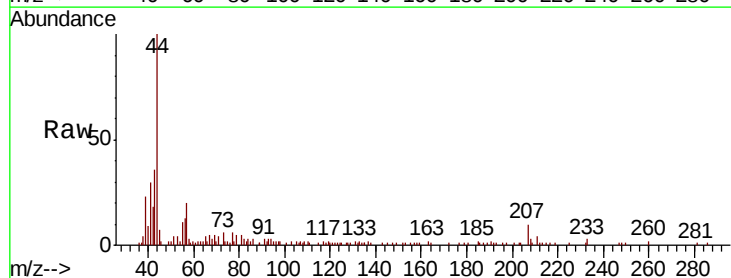
Acq: 19 Apr 2019 19:36

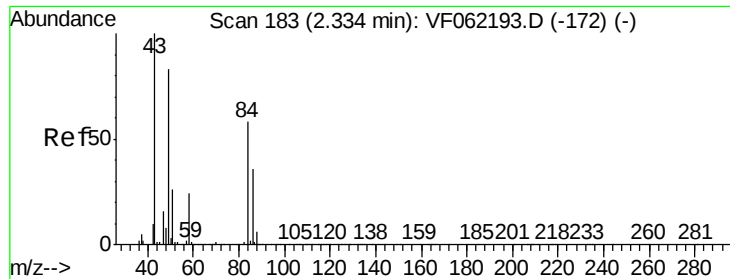
Tgt Ion: 43 Resp: 10000

Ion Ratio Lower Upper

43 100

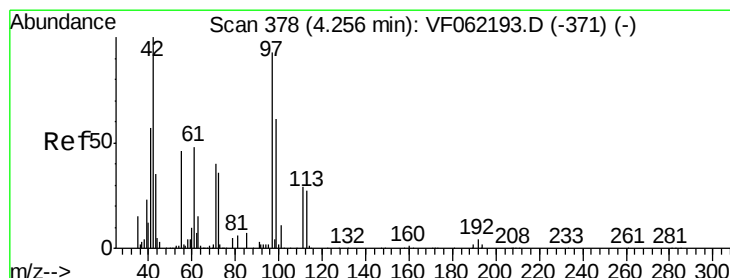
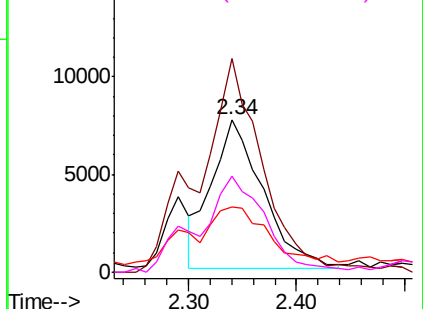
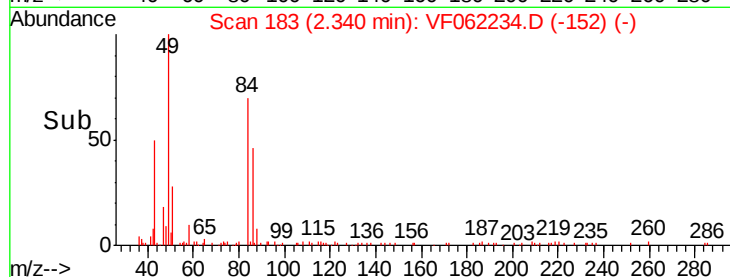
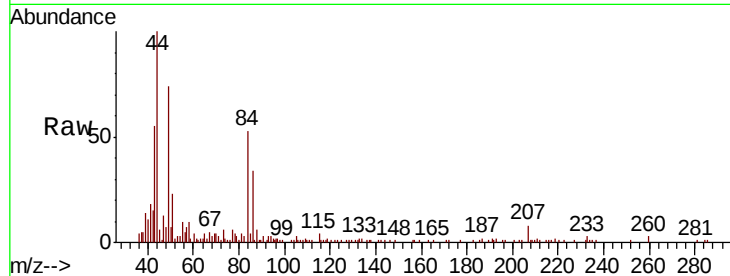
74 7.9 14.5 21.7#





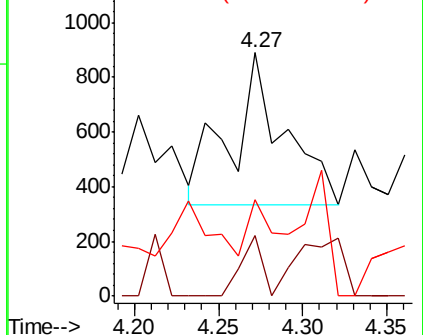
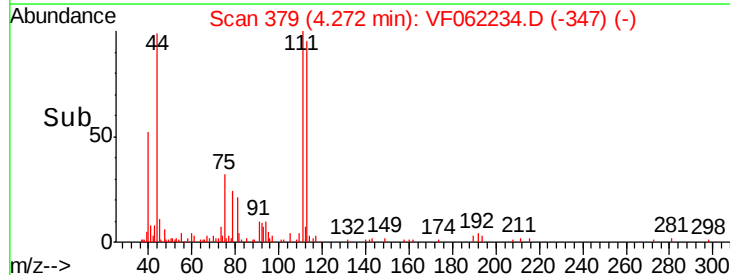
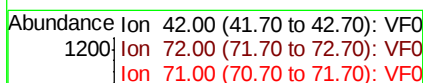
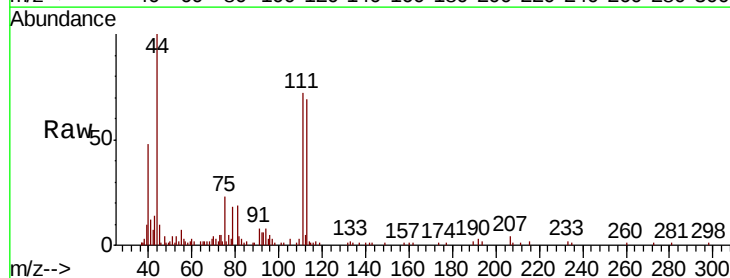
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

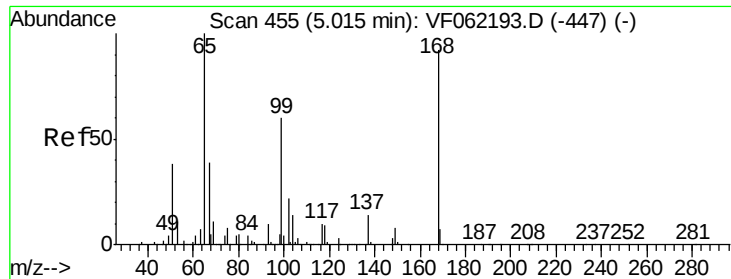
Tot Ion:	84	Resp:	25457
Ion	Ratio	Lower	Upper
84	100		
49	141.6	114.0	171.0
51	37.4	37.0	55.4
86	63.8	49.8	74.8



#29
Tetrahydrofuran
Concen: 1.227 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion:	42	Resp:	1216
Ion	Ratio	Lower	Upper
42	100		
72	15.8	28.6	43.0#
71	39.1	29.2	43.8





#33

1,2-Dichloroethane-d4

Concen: 46.261 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.03 min

Lab File: VF062234.D

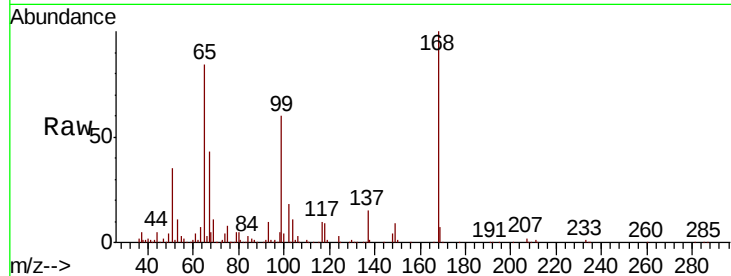
Acq: 19 Apr 2019 19:36

Tot Ion: 65 Resp: 211843

Ion Ratio Lower Upper

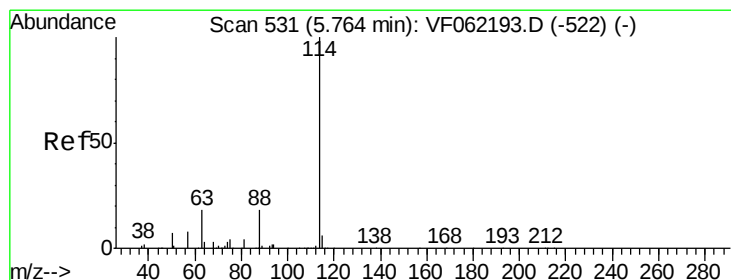
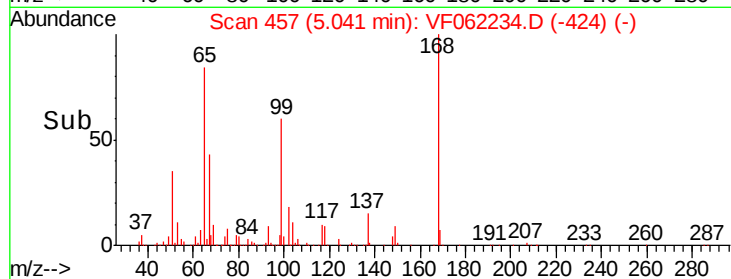
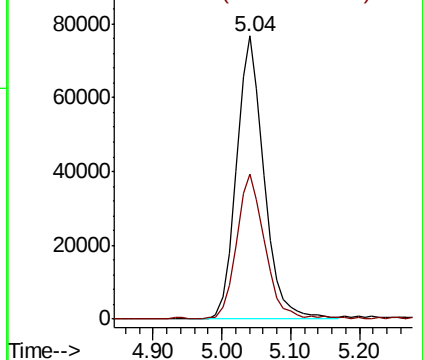
65 100

67 52.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.02 min

Lab File: VF062234.D

Acq: 19 Apr 2019 19:36

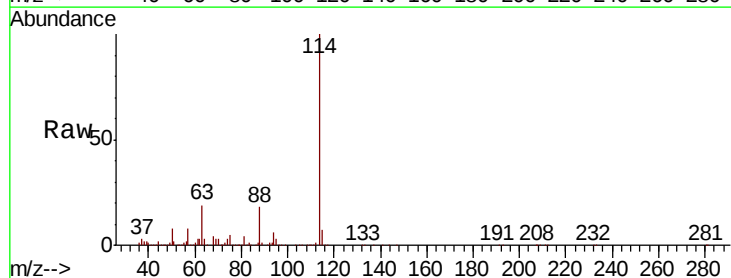
Tgt Ion: 114 Resp: 729027

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.6

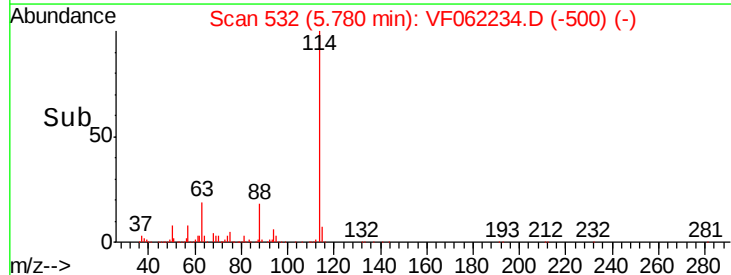
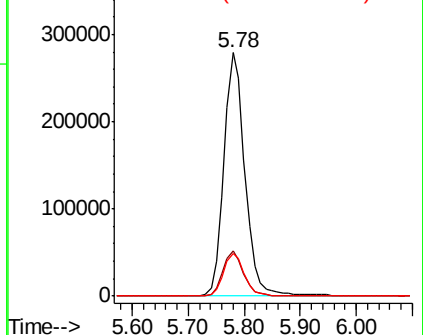
88 17.7 0.0 35.8

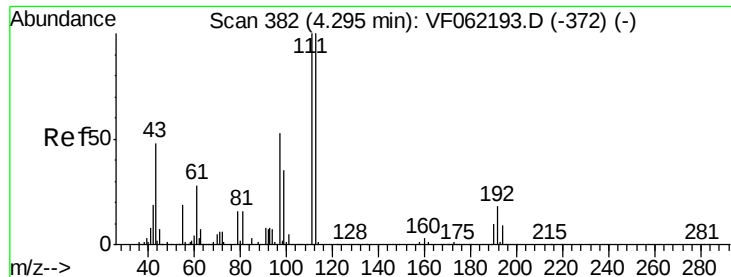


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

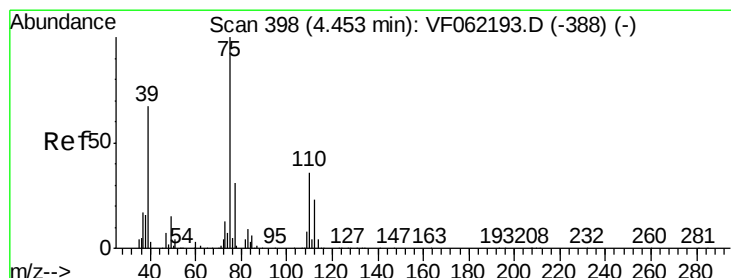
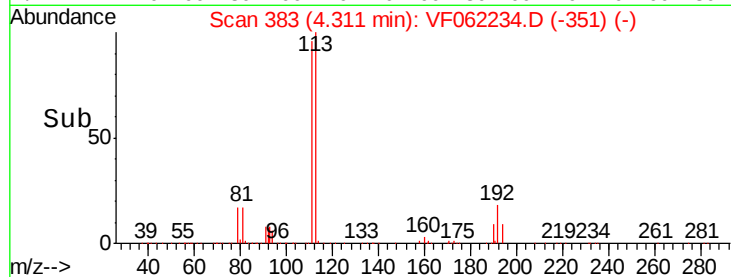
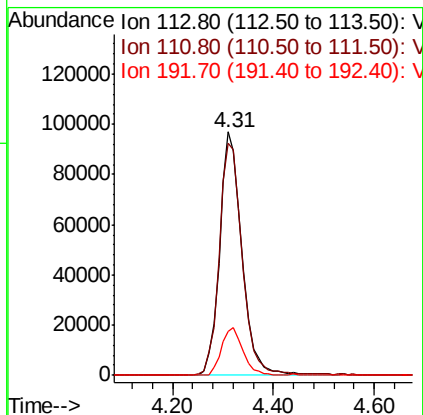
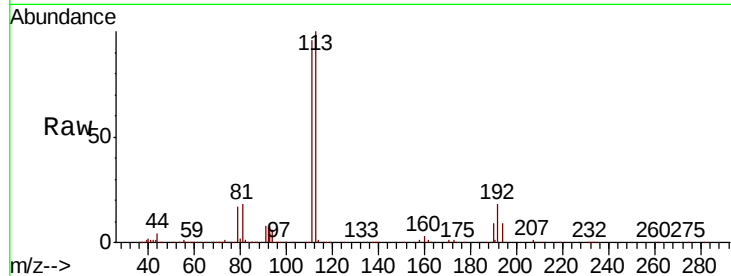
Ion 87.90 (87.60 to 88.60): VF0





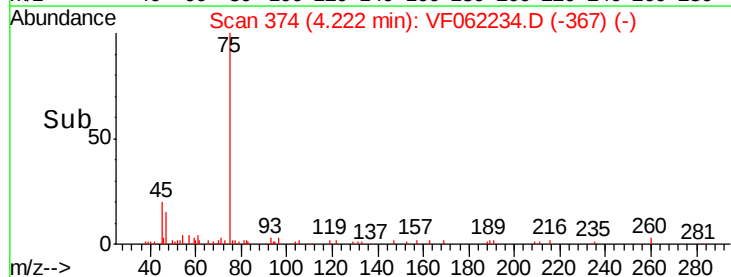
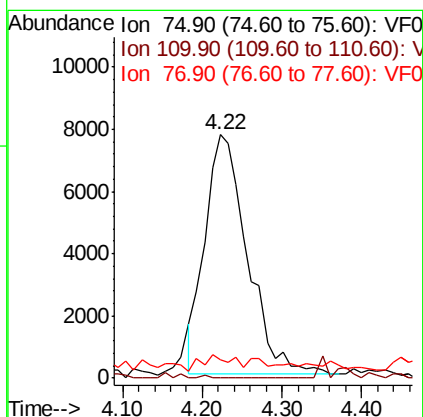
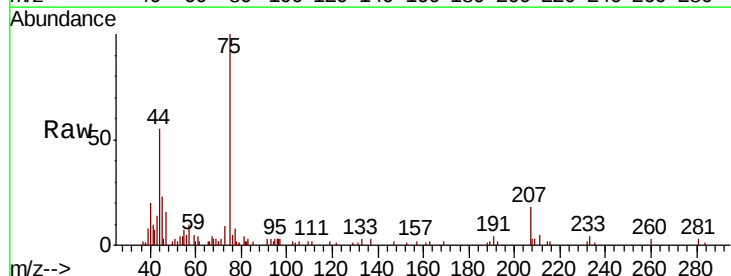
#35
 Dibromofluoromethane
 Concen: 46.648 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VF062234.D
 Acq: 19 Apr 2019 19:36

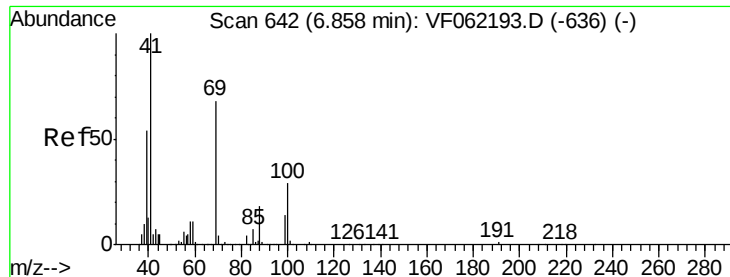
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.1	121.7
192	19.4	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 3.252 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.23 min
 Lab File: VF062234.D
 Acq: 19 Apr 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.2	18.4	55.2#
77	4.9	25.4	38.2#





#49

1,4-Dioxane

Concen: 2.416 ug/l

RT: 6.86 min Scan# 642

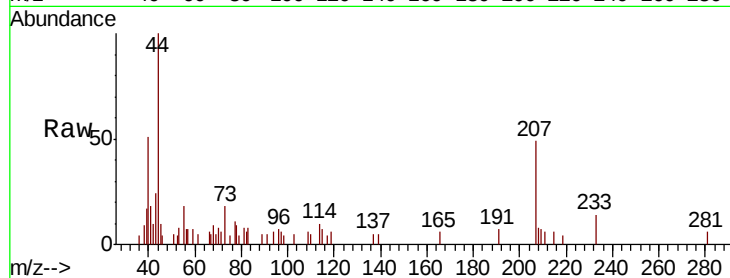
Delta R.T. 0.01 min

Lab File: VF062234.D

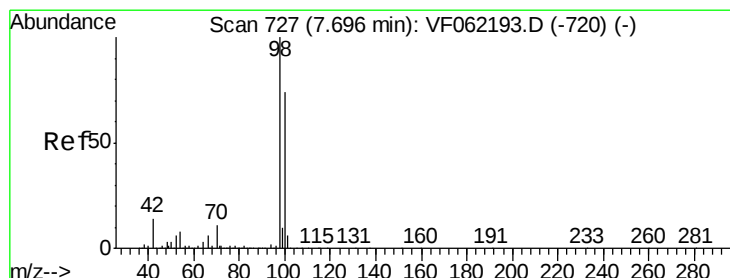
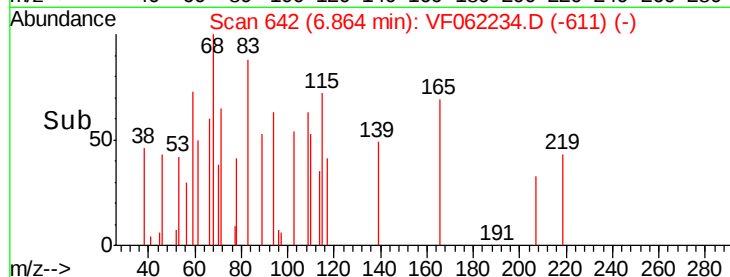
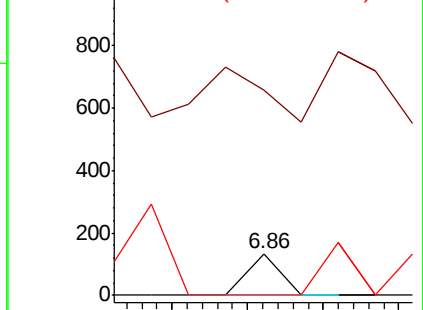
Acq: 19 Apr 2019 19:36

Tot Ion: 88 Resp: 79

Ion	Ratio	Lower	Upper
88	100		
43	248.1	36.9	55.3#
58	0.0	56.8	85.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 39.749 ug/l

RT: 7.71 min Scan# 728

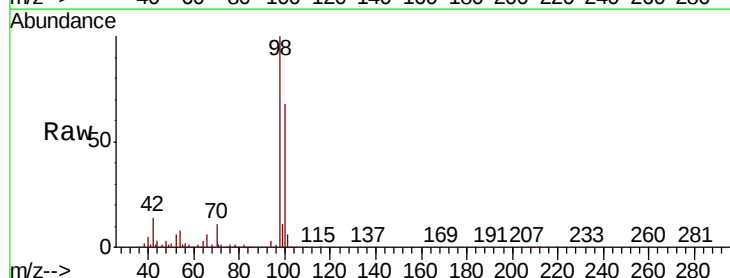
Delta R.T. 0.02 min

Lab File: VF062234.D

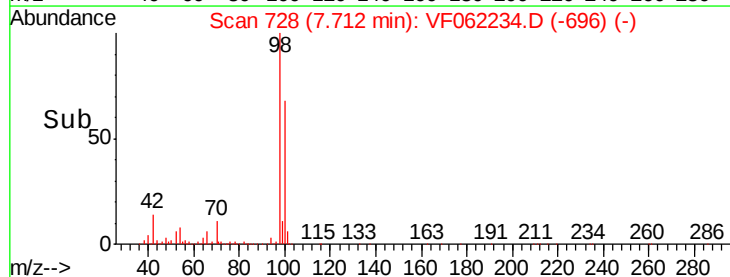
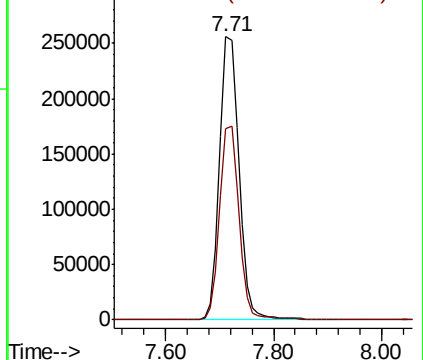
Acq: 19 Apr 2019 19:36

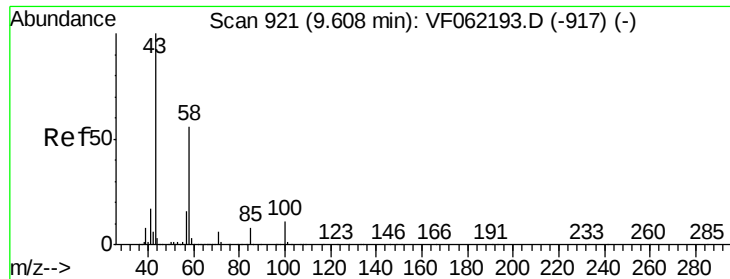
Tgt Ion: 98 Resp: 641655

Ion	Ratio	Lower	Upper
98	100		
100	68.3	56.2	84.2



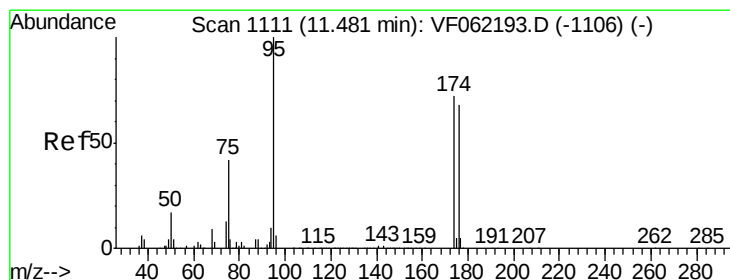
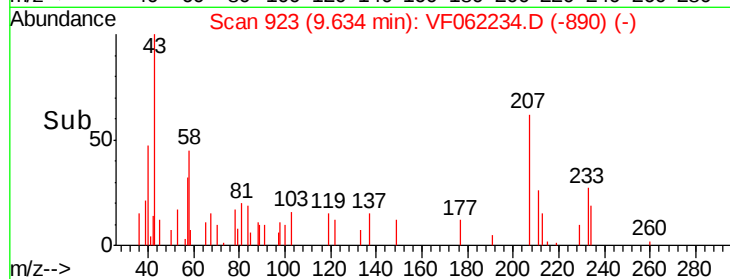
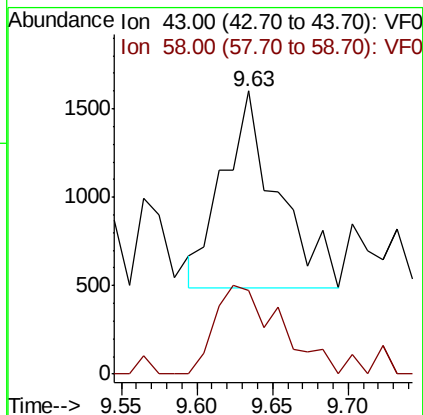
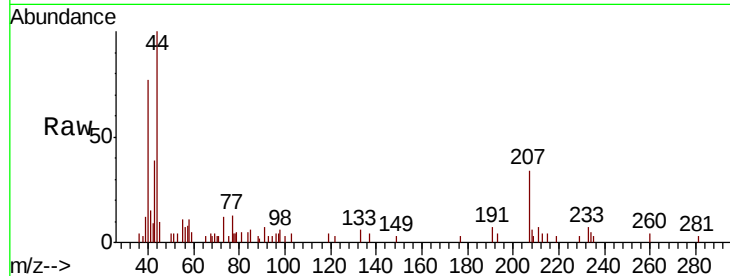
Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





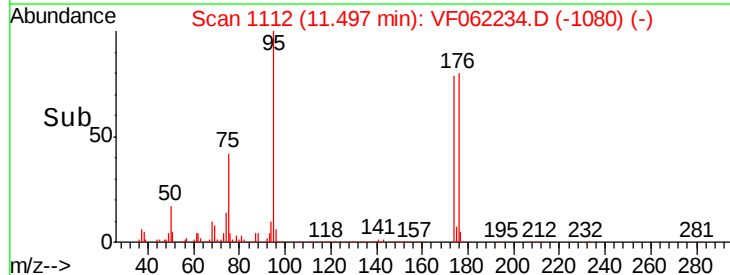
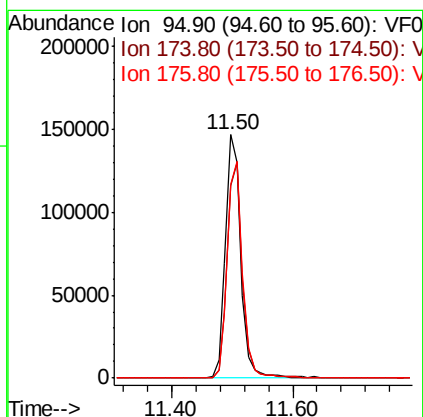
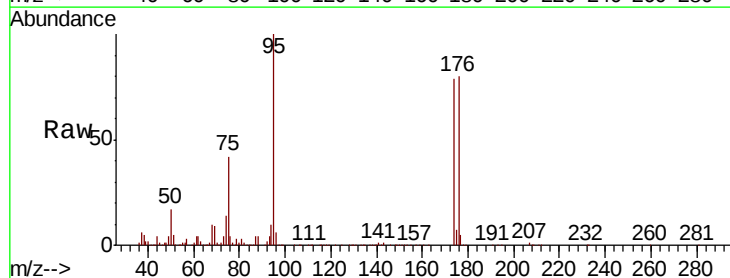
#59
2-Hexanone
Concen: 1.508 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

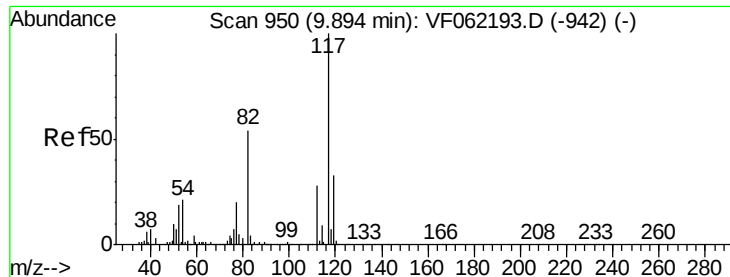
Tot Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
58 54.3 24.6 74.0



#62
4-Bromofluorobenzene
Concen: 41.670 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

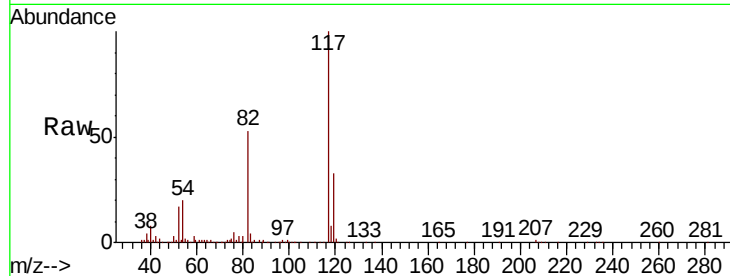
Tgt Ion: 95 Resp: 258769
Ion Ratio Lower Upper
95 100
174 87.6 0.0 159.4
176 88.9 0.0 155.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.2	64.8
119	33.4	26.2	39.4

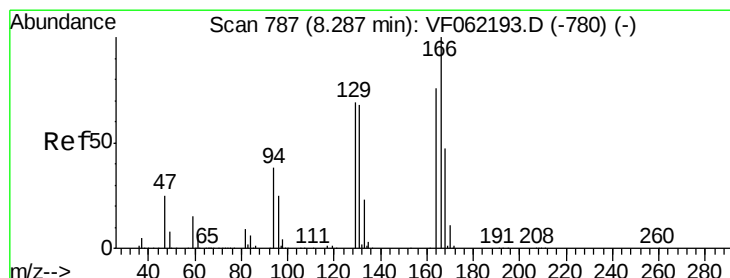
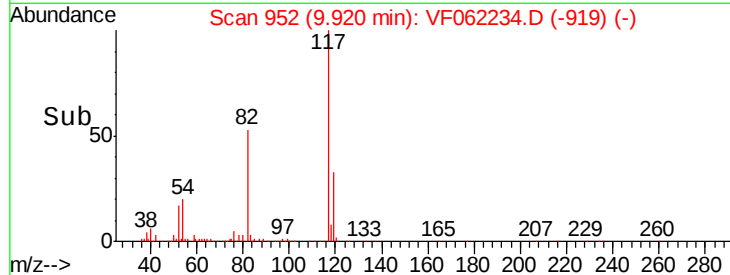
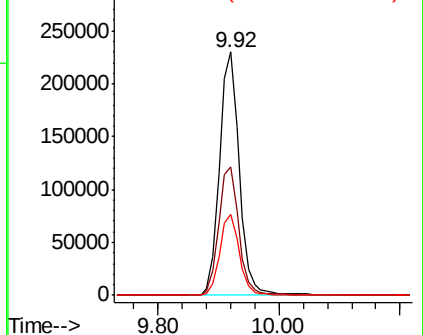


Abundance

Ion 116.90 (116.60 to 117.60): V

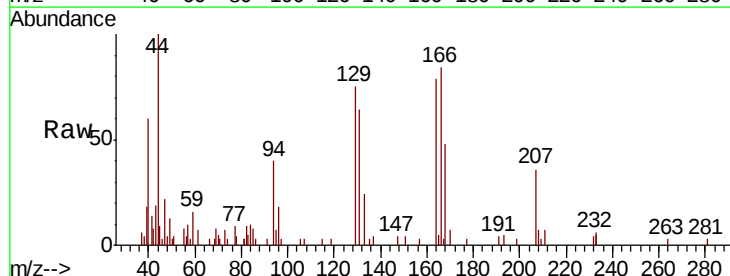
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 1.509 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	107.0	104.7	157.1
129	95.9	72.6	109.0
131	81.6	71.6	107.4



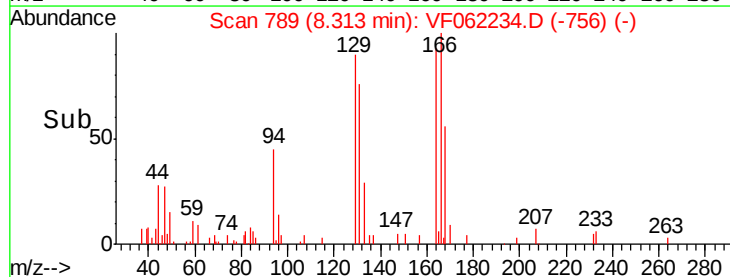
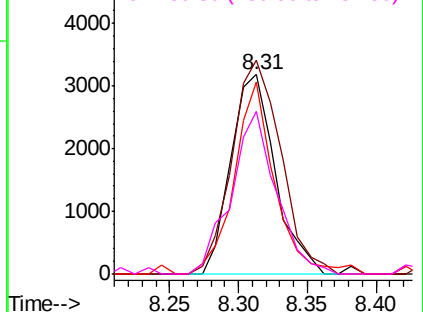
Abundance

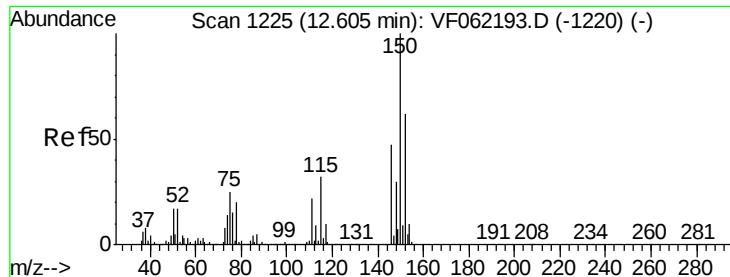
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

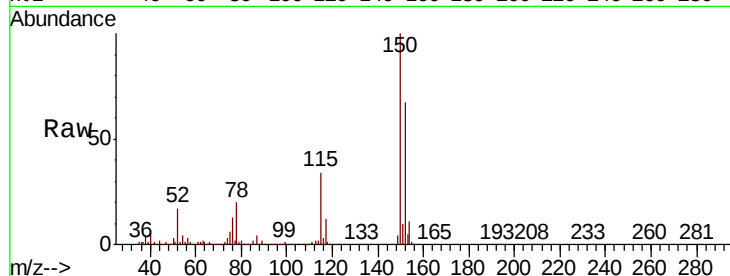




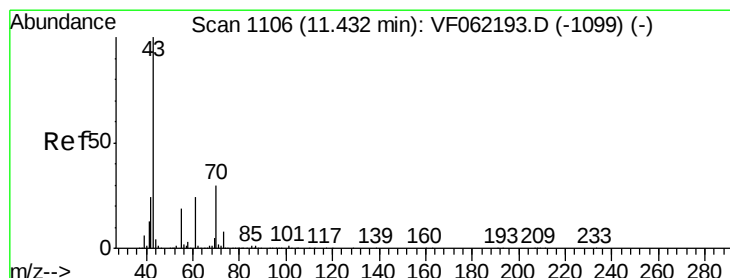
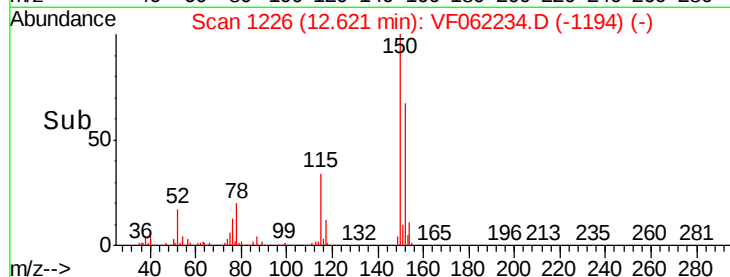
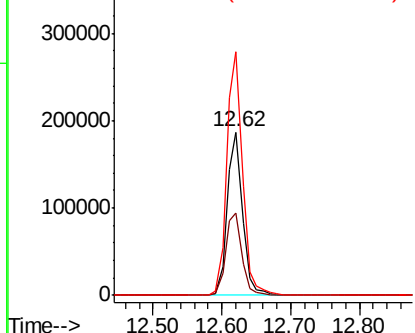
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.8	83.3
150	152.4	0.0	341.8



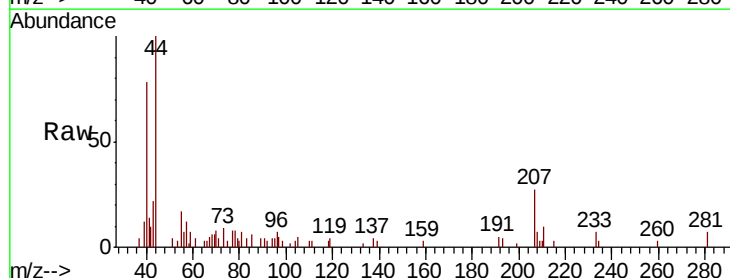
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



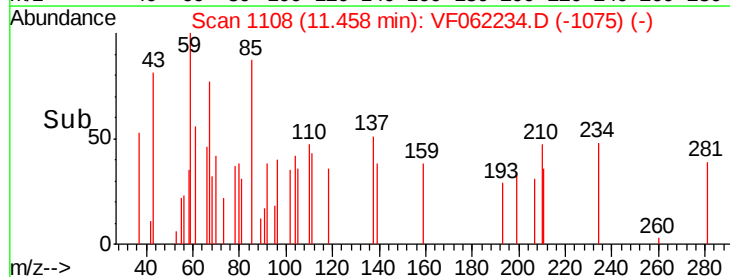
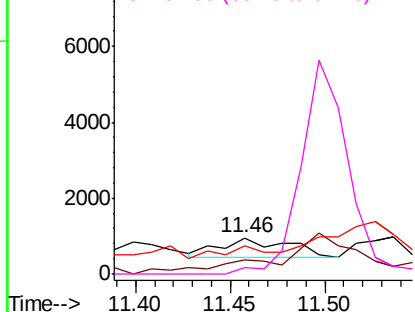
#74

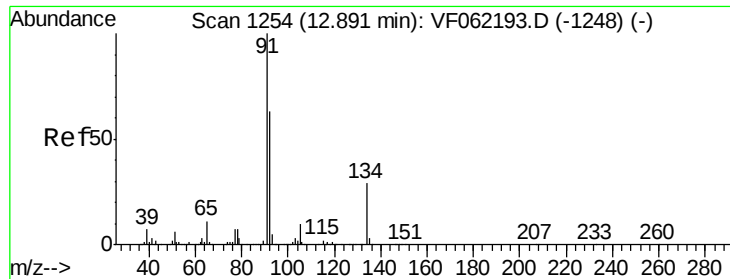
N-amil acetate
Concen: Below Cal
RT: 11.46 min Scan# 1108
Delta R.T. 0.03 min
Lab File: VF062234.D
Acq: 19 Apr 2019 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.0	40.4#
55	37.1	15.7	23.5#
61	0.0	20.8	31.2#



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





#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.90 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VF062234.D
 Acq: 19 Apr 2019 19:36

Tot Ion:	91	Resp:	1164
Ion	Ratio	Lower	Upper
91	100		
92	83.6	31.2	93.6
134	69.9	13.1	39.1#

