

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062233.D
 Acq On : 19 Apr 2019 19:07
 Operator : FY/SY
 Sample : K2475-01
 Misc : 5.76u/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

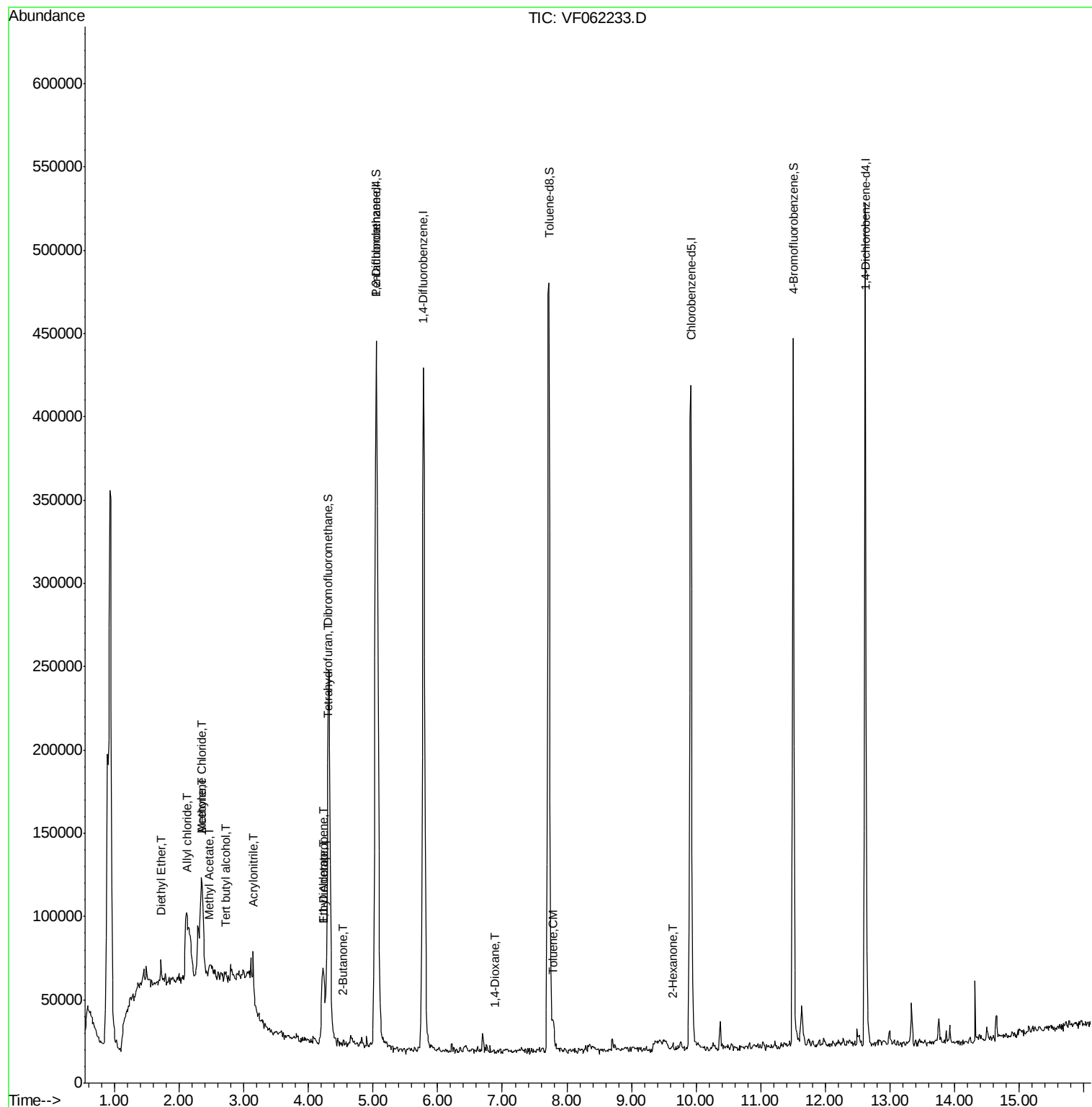
Quant Time: Apr 19 23:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

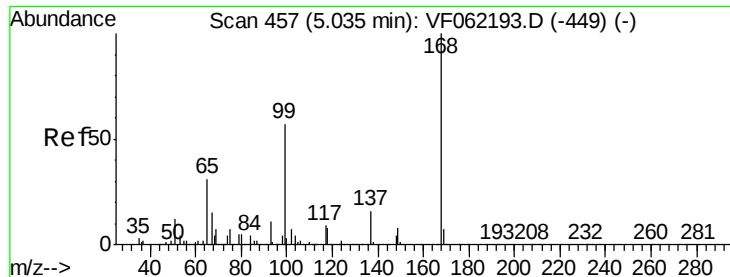
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	357167	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	495131	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	319579	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	147499	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	163313	49.87	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.74%	
35) Dibromofluoromethane	4.31	113	222011	51.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.52%	
50) Toluene-d8	7.72	98	429650	39.19	ug/l	0.03
Spiked Amount 50.000			Recovery	=	78.38%	
62) 4-Bromofluorobenzene	11.50	95	167783	39.78	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.72	74	3696	2.900	ug/l	95
11) Tert butyl alcohol	2.73	59	2910	12.783	ug/l #	72
13) Acrolein	2.11	56	1859	Below Cal	#	1
14) Allyl chloride	2.13	41	34048	7.457	ug/l #	77
15) Acrylonitrile	3.14	53	1966	2.835	ug/l #	15
16) Acetone	2.36	43	52694	67.313	ug/l	100
18) Methyl Acetate	2.47	43	15427	3.750	ug/l #	89
20) Methylene Chloride	2.35	84	38974	4.431	ug/l	85
25) 2-Butanone	4.55	43	2712	1.733	ug/l #	83
29) Tetrahydrofuran	4.29	42	1015	1.433	ug/l #	42
36) 1,1-Dichloropropene	4.23	75	104389	17.585	ug/l #	43
37) Ethyl Acetate	4.24	43	4055	1.448	ug/l #	94
49) 1,4-Dioxane	6.89	88	80	3.603	ug/l #	21
52) Toluene	7.79	92	8527	1.039	ug/l	98
59) 2-Hexanone	9.64	43	4354	3.322	ug/l	88
74) N-amyl acetate	11.43	43	357	Below Cal	#	1
89) n-Butylbenzene	12.91	91	2168	Below Cal		81

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

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Quant Title : SW846 8260
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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: VF062233.D

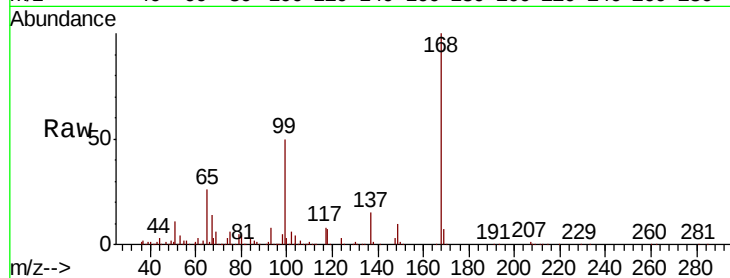
Acq: 19 Apr 2019 19:07

Tot Ion:168 Resp: 357167

Ion Ratio Lower Upper

168 100

99 49.9 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

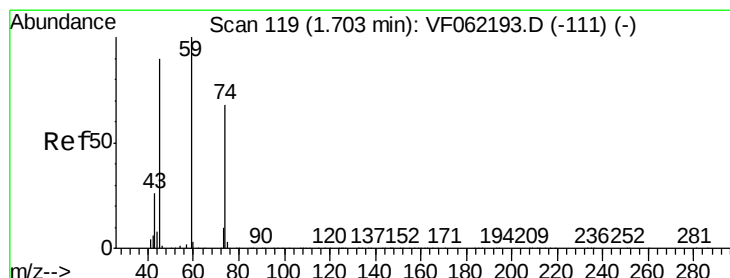
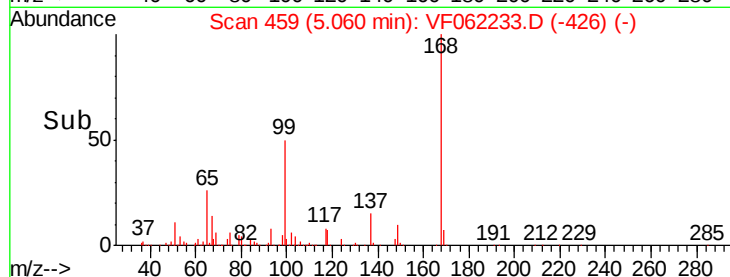
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#8

Diethyl Ether

Concen: 2.900 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.02 min

Lab File: VF062233.D

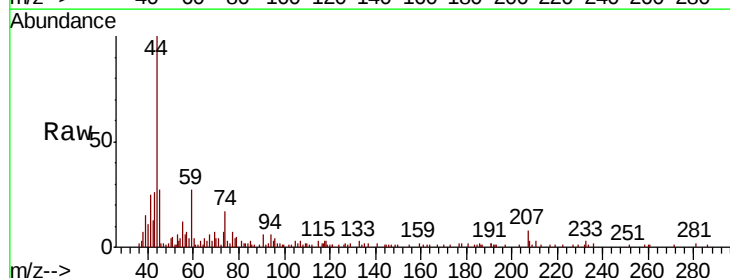
Acq: 19 Apr 2019 19:07

Tgt Ion: 74 Resp: 3696

Ion Ratio Lower Upper

74 100

45 133.5 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.72

4000

3000

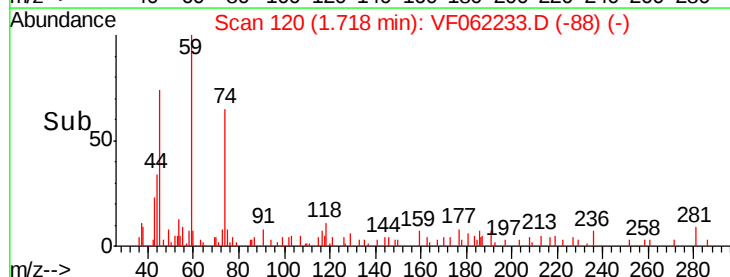
2000

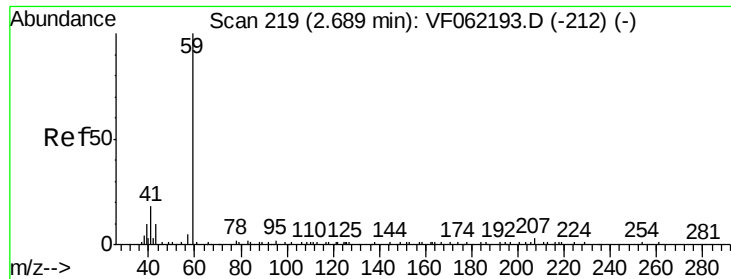
1000

0

Time-->

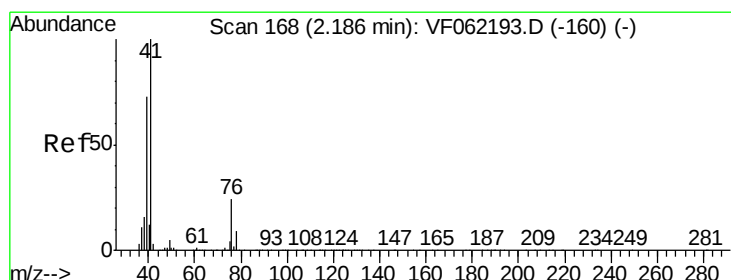
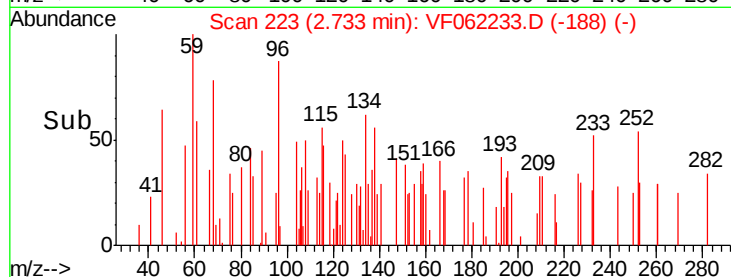
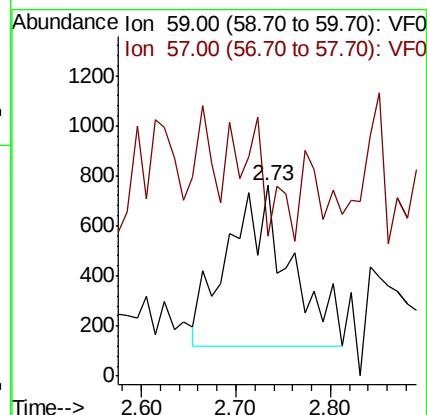
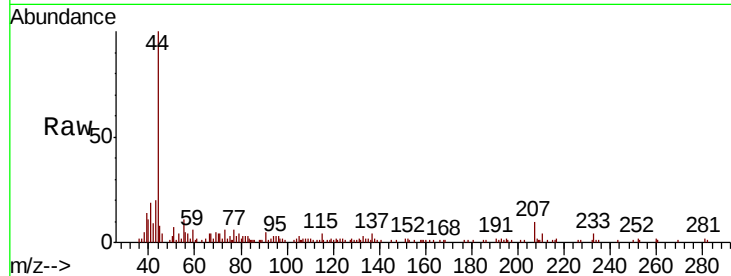
1.65 1.70 1.75 1.80





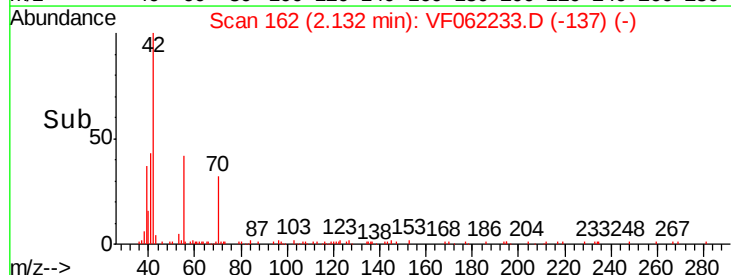
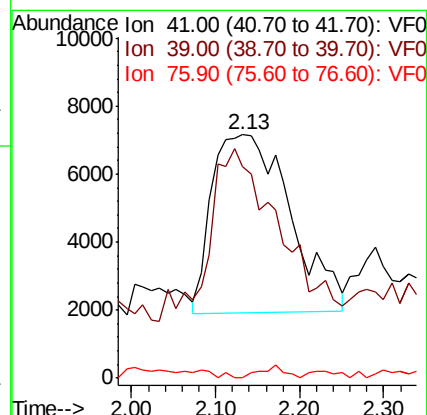
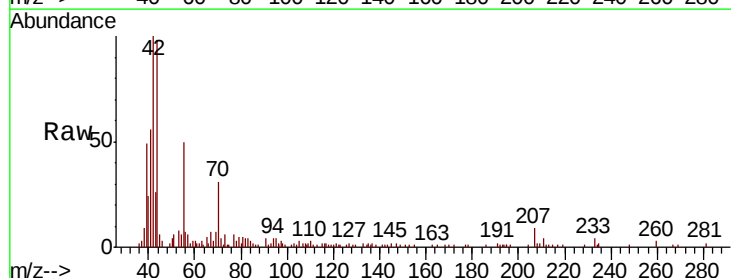
#11
Tert butyl alcohol
Concen: 12.783 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.04 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

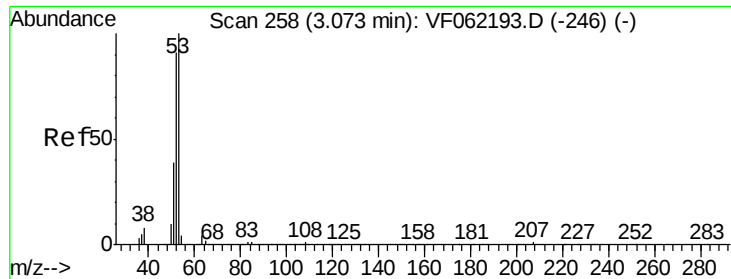
Tot Ion: 59 Resp: 2910
Ion Ratio Lower Upper
59 100
57 22.3 9.3 13.9#



#14
Allyl chloride
Concen: 7.457 ug/l
RT: 2.13 min Scan# 162
Delta R.T. -0.05 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

Tgt Ion: 41 Resp: 34048
Ion Ratio Lower Upper
41 100
39 86.0 60.0 90.0
76 0.0 20.6 30.8#





#15

Acrylonitrile

Concen: 2.835 ug/l

RT: 3.14 min Scan# 264

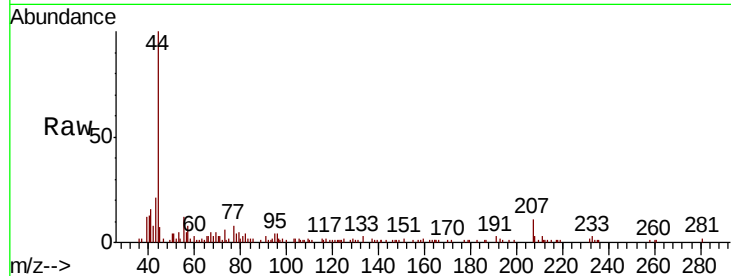
Delta R.T. 0.06 min

Lab File: VF062233.D

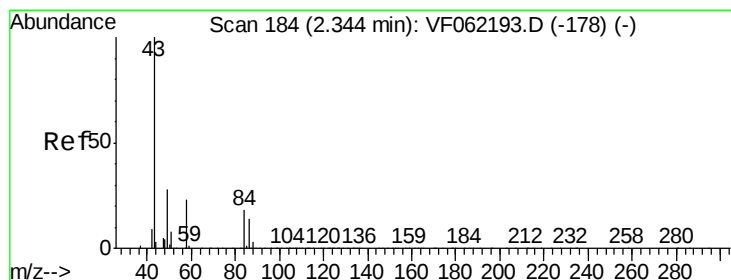
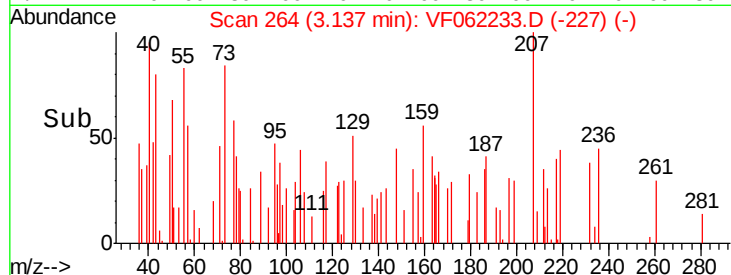
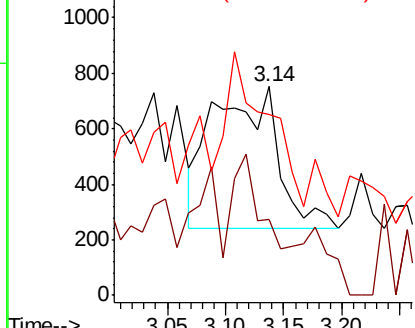
Acq: 19 Apr 2019 19:07

Tot Ion: 53 Resp: 1966

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.5	104.3#
51	0.0	31.8	47.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 67.313 ug/l

RT: 2.36 min Scan# 185

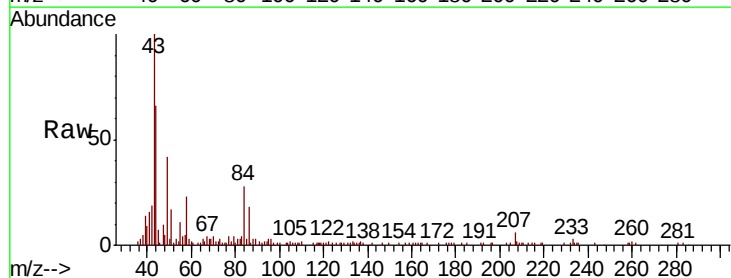
Delta R.T. 0.02 min

Lab File: VF062233.D

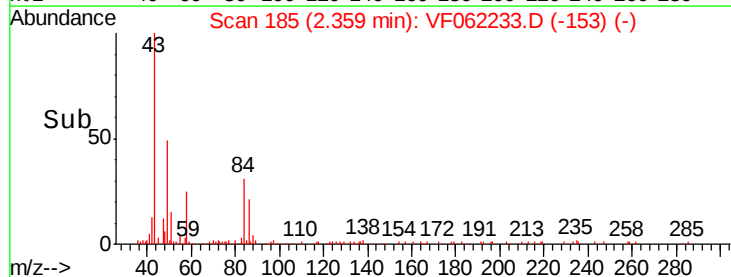
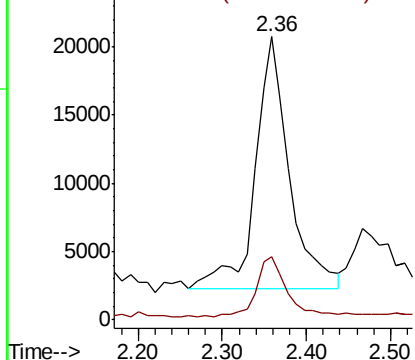
Acq: 19 Apr 2019 19:07

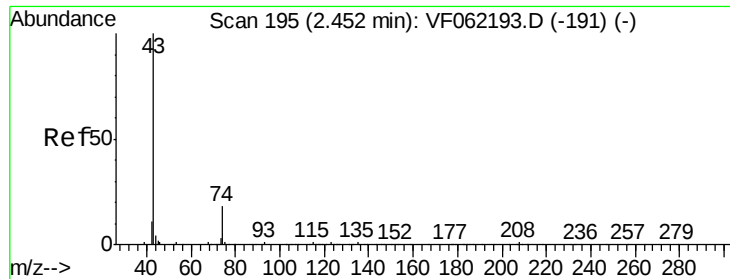
Tgt Ion: 43 Resp: 52694

Ion	Ratio	Lower	Upper
43	100		
58	23.4	18.8	28.2



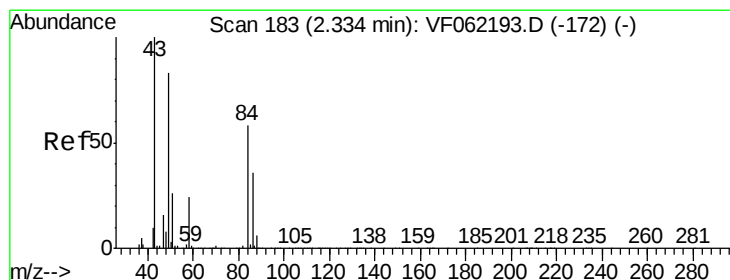
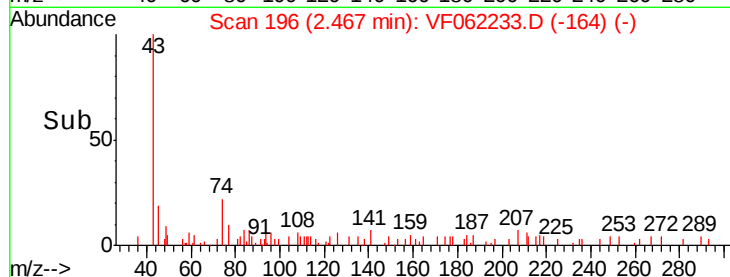
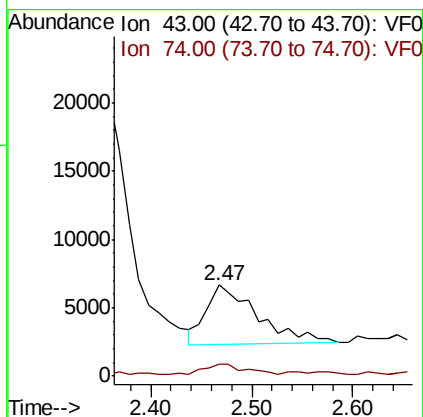
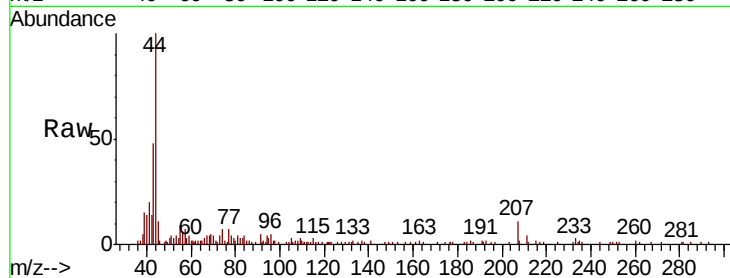
Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





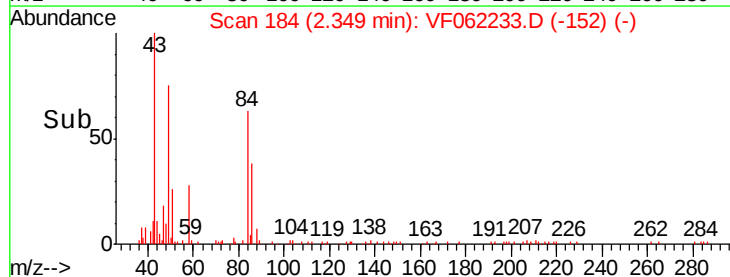
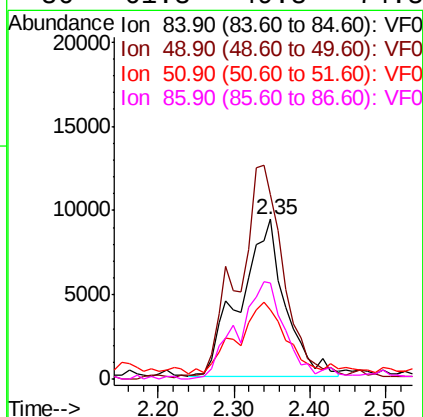
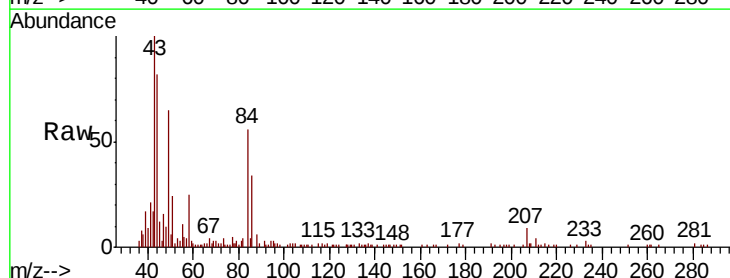
#18
Methvl Acetate
Concen: 3.750 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

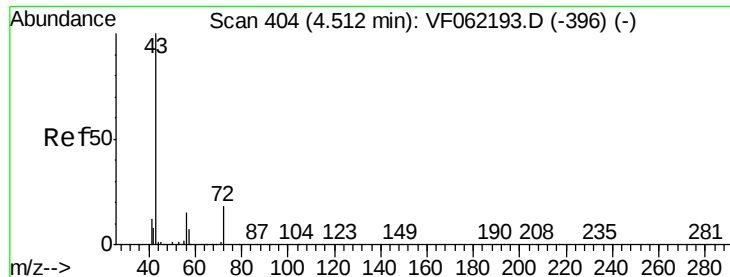
Tot Ion: 43 Resp: 15427
Ion Ratio Lower Upper
43 100
74 13.3 14.5 21.7#



#20
Methylene Chloride
Concen: 4.431 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

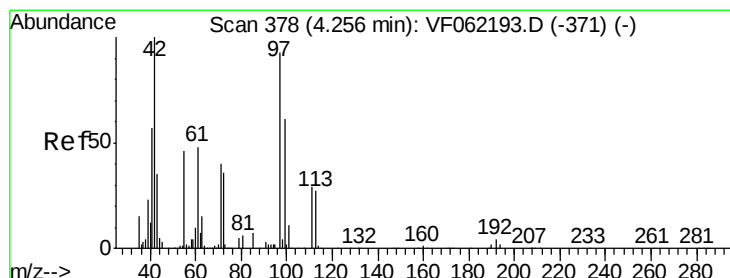
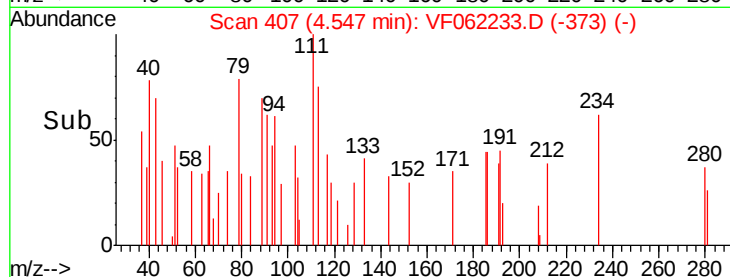
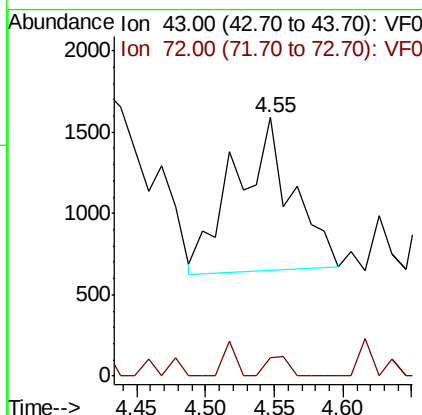
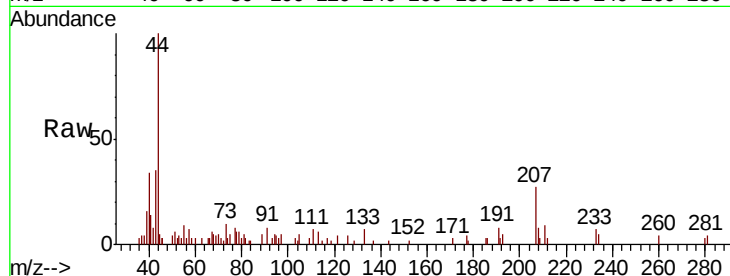
Tgt Ion: 84 Resp: 38974
Ion Ratio Lower Upper
84 100
49 115.0 114.0 171.0
51 40.4 37.0 55.4
86 61.3 49.8 74.8





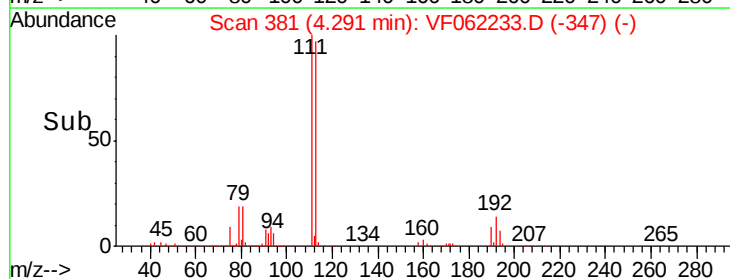
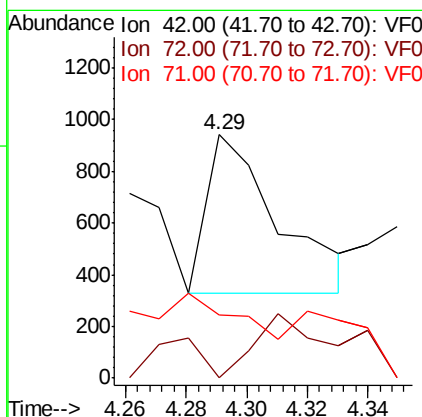
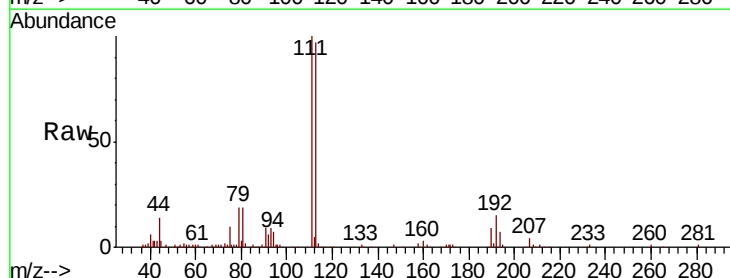
#25
2-Butanone
Concen: 1.733 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.03 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

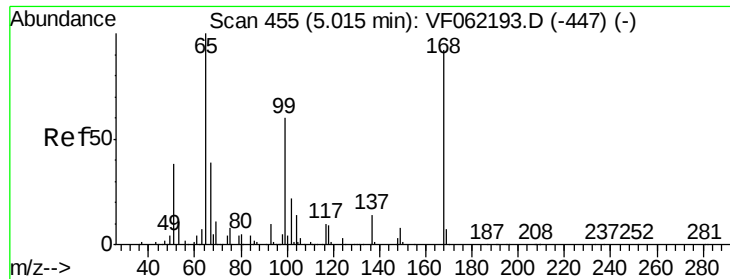
Tot Ion: 43 Resp: 2712
Ion Ratio Lower Upper
43 100
72 12.1 16.1 24.1#



#29
Tetrahydrofuran
Concen: 1.433 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

Tgt Ion: 42 Resp: 1015
Ion Ratio Lower Upper
42 100
72 16.6 28.6 43.0#
71 84.9 29.2 43.8#





#33

1,2-Dichloroethane-d4

Concen: 49.866 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.03 min

Lab File: VF062233.D

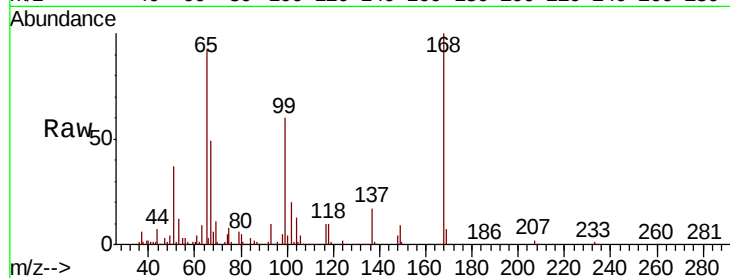
Acq: 19 Apr 2019 19:07

Tot Ion: 65 Resp: 163313

Ion Ratio Lower Upper

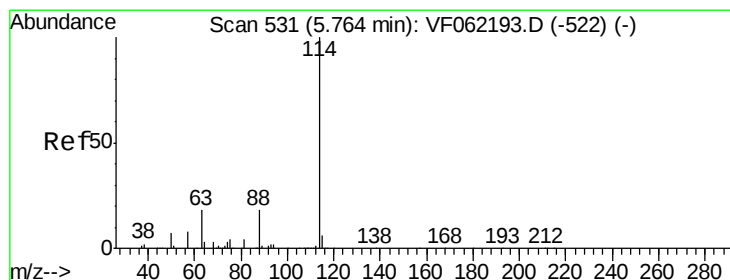
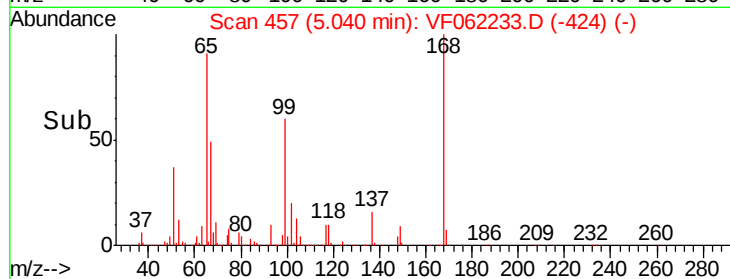
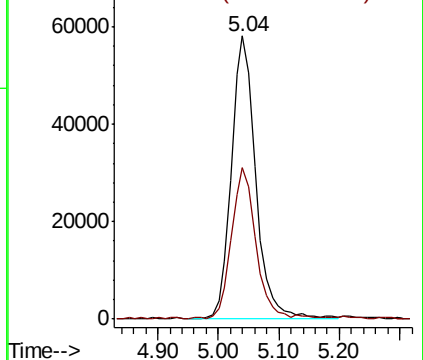
65 100

67 53.0 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: VF062233.D

Acq: 19 Apr 2019 19:07

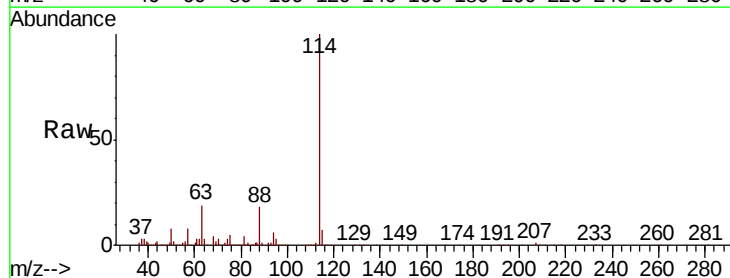
Tgt Ion: 114 Resp: 495131

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.6

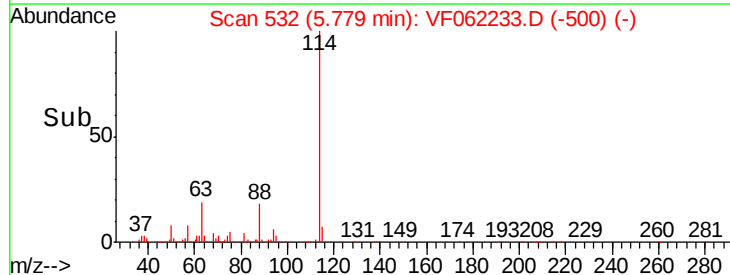
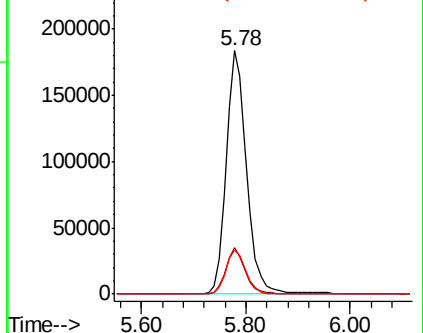
88 18.0 0.0 35.8

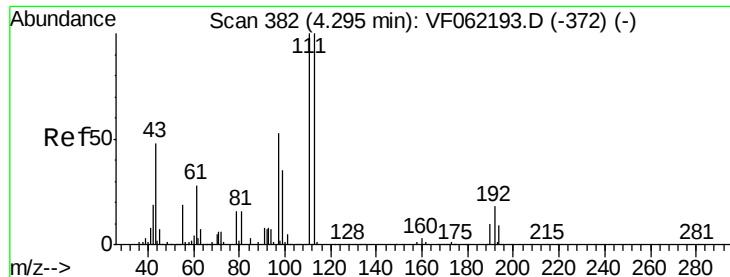


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 51.260 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062233.D

Acq: 19 Apr 2019 19:07

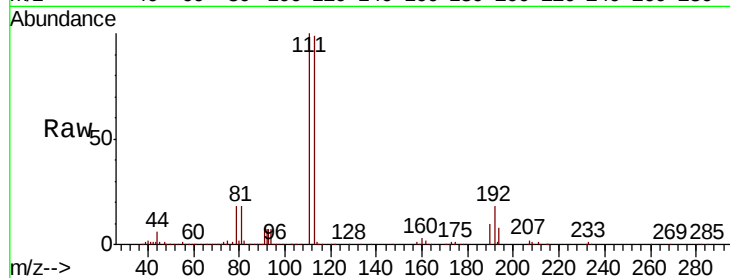
Tot Ion:113 Resp: 222011

Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

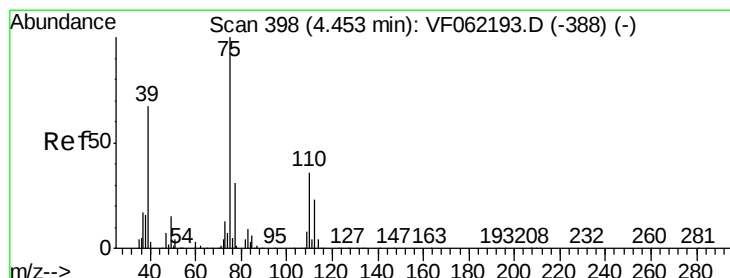
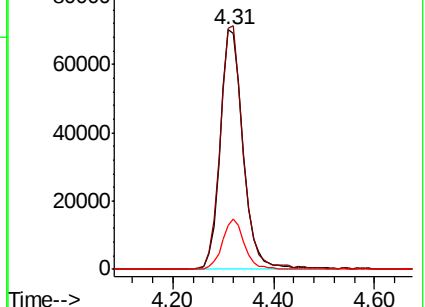
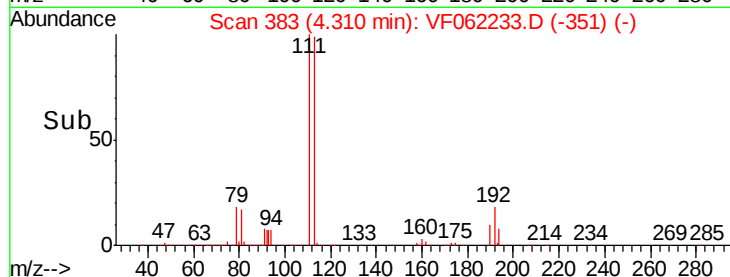
192 19.8 14.7 22.1



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: 17.585 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.22 min

Lab File: VF062233.D

Acq: 19 Apr 2019 19:07

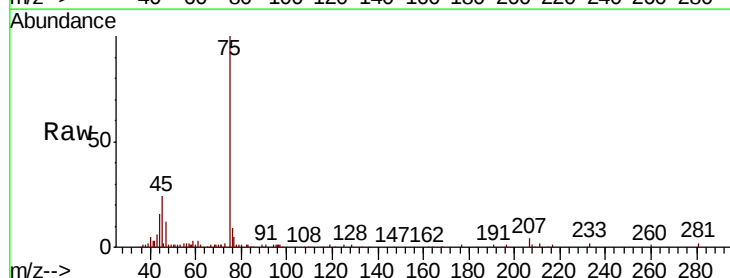
Tgt Ion: 75 Resp: 104389

Ion Ratio Lower Upper

75 100

110 0.1 18.4 55.2#

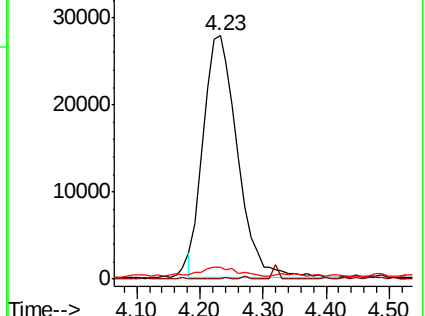
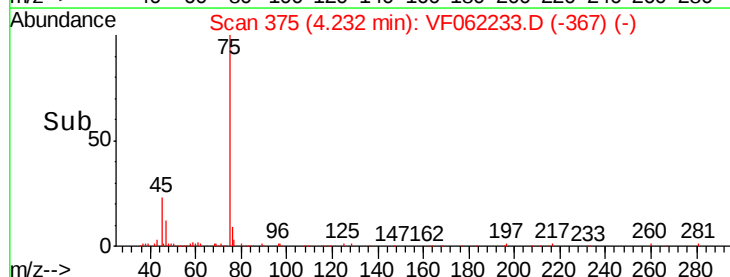
77 3.4 25.4 38.2#

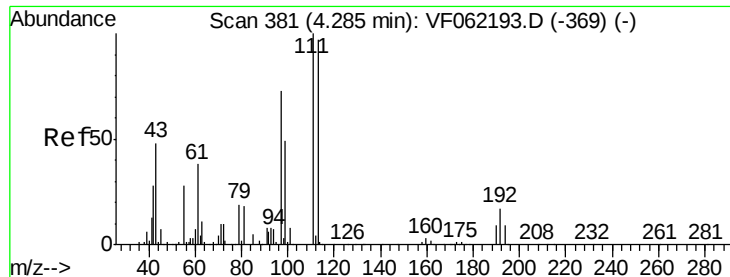


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

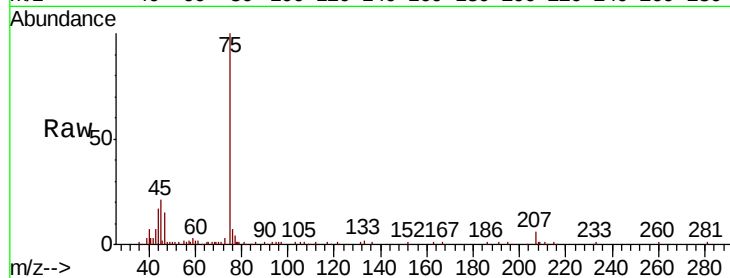
Ion 76.90 (76.60 to 77.60): VF0



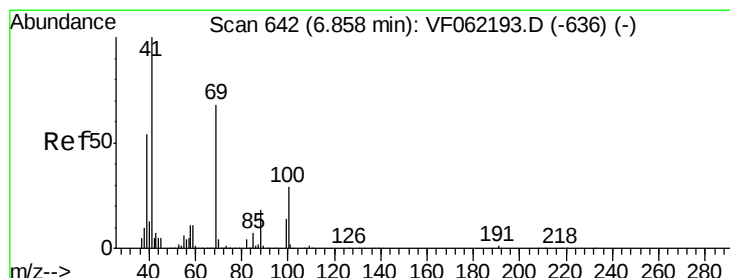
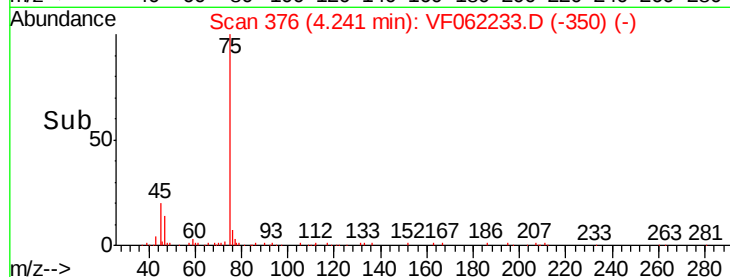
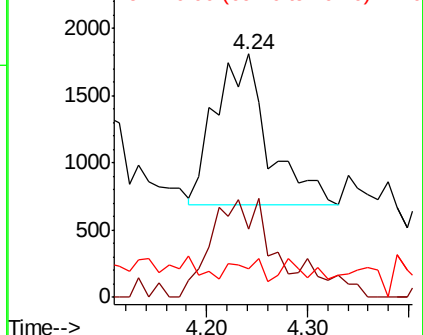


#37
Ethyl Acetate
Concen: 1.448 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.04 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

Tot Ion: 43 Resp: 4055
Ion Ratio Lower Upper
43 100
61 72.3 0.0 0.0#
70 7.4 7.8 11.6#

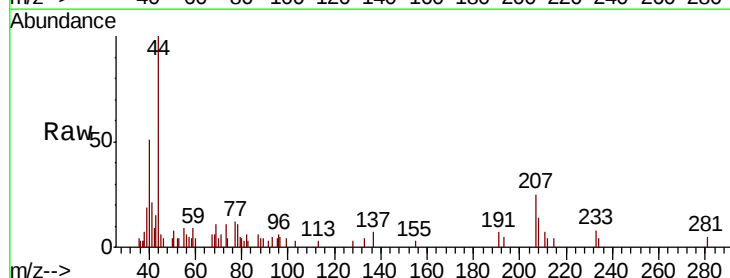


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

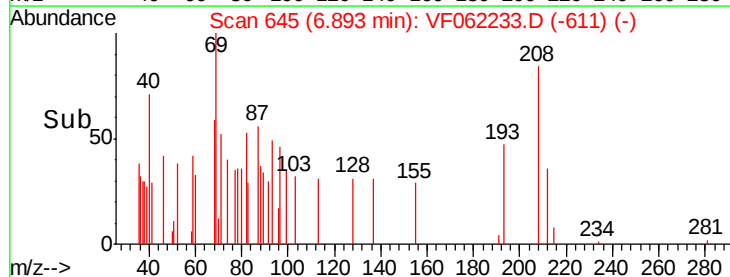
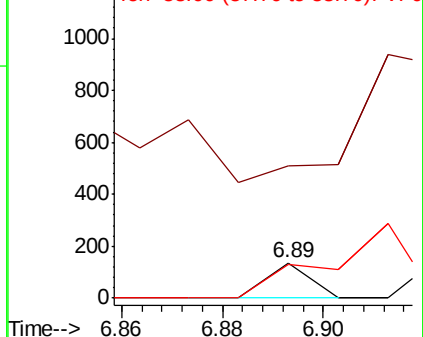


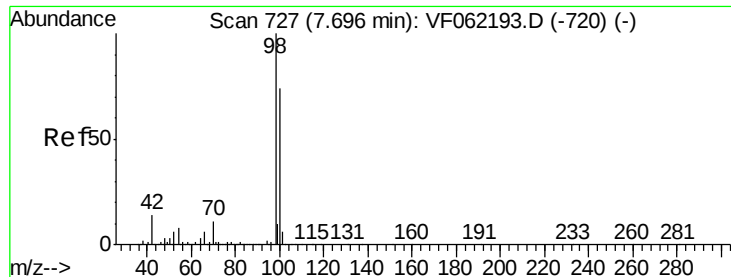
#49
1,4-Dioxane
Concen: 3.603 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 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: 39.189 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.03 min

Lab File: VF062233.D

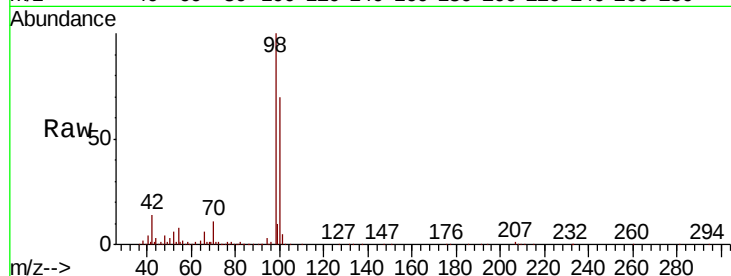
Acq: 19 Apr 2019 19:07

Tot Ion: 98 Resp: 429650

Ion Ratio Lower Upper

98 100

100 68.9 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

200000

150000

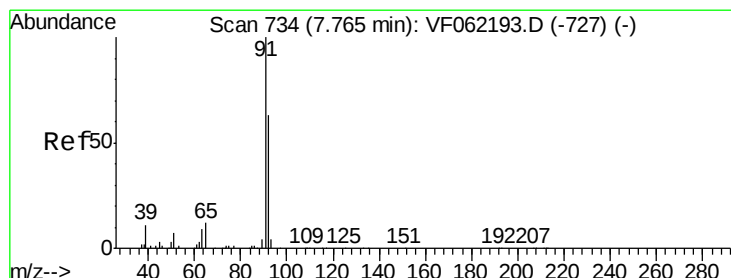
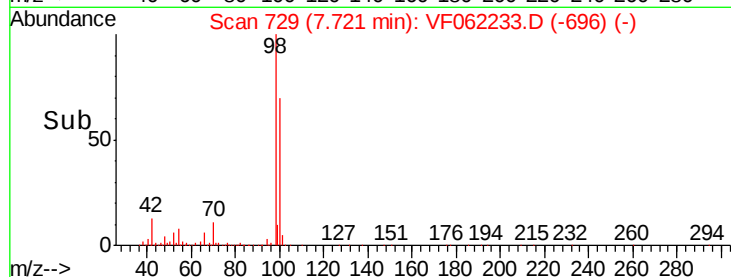
100000

50000

0

Time-->

7.60 7.80 8.00



#52

Toluene

Concen: 1.039 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.03 min

Lab File: VF062233.D

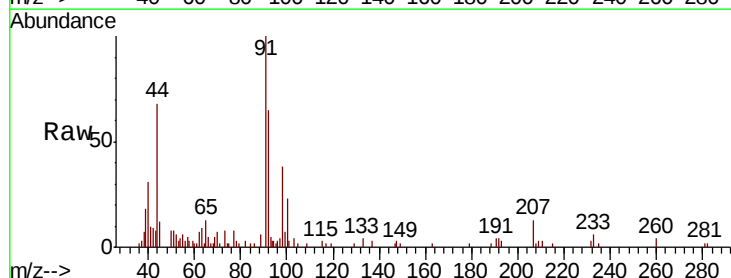
Acq: 19 Apr 2019 19:07

Tgt Ion: 92 Resp: 8527

Ion Ratio Lower Upper

92 100

91 165.1 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

6000

5000

4000

3000

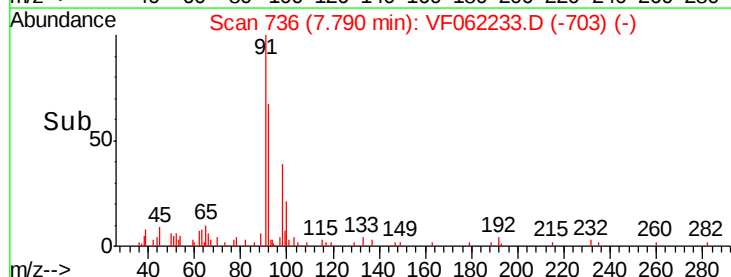
2000

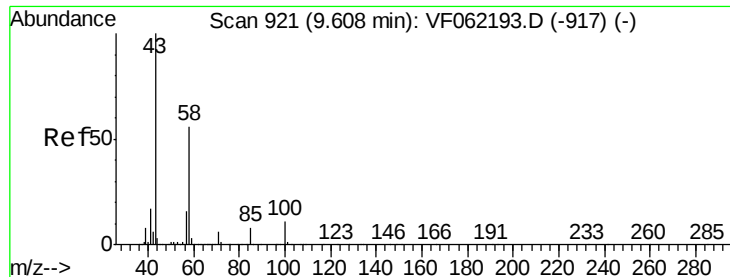
1000

0

Time-->

7.70 7.75 7.80 7.85 7.90





#59

2-Hexanone

Concen: 3.322 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.04 min

Lab File: VF062233.D

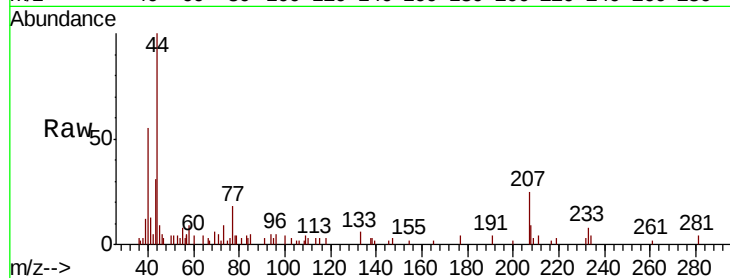
Acq: 19 Apr 2019 19:07

Tot Ion: 43 Resp: 4354

Ion Ratio Lower Upper

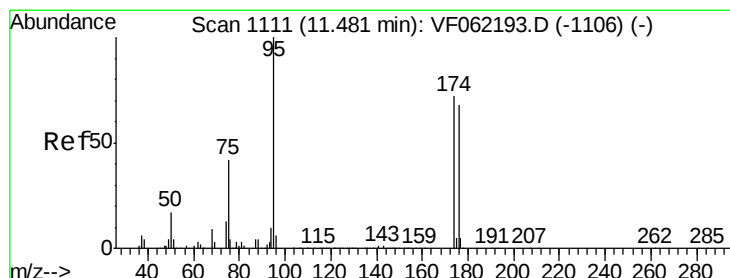
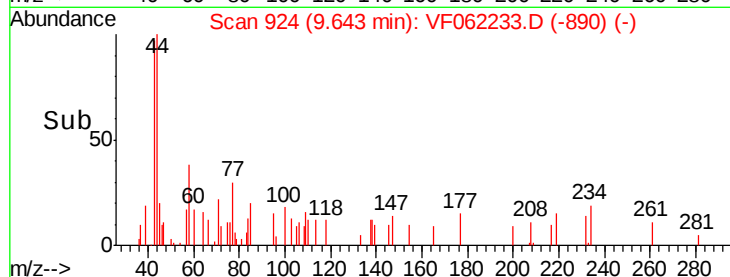
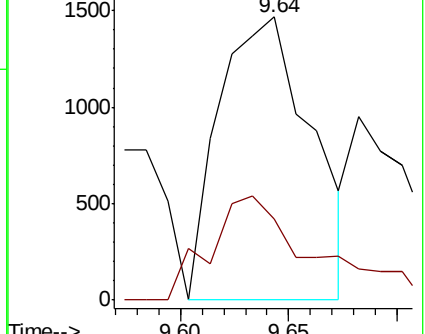
43 100

58 41.4 24.6 74.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 39.781 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VF062233.D

Acq: 19 Apr 2019 19:07

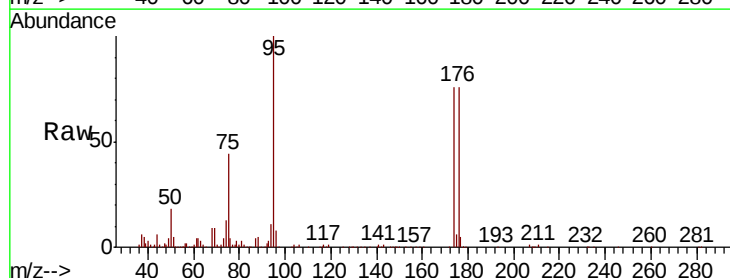
Tgt Ion: 95 Resp: 167783

Ion Ratio Lower Upper

95 100

174 88.3 0.0 159.4

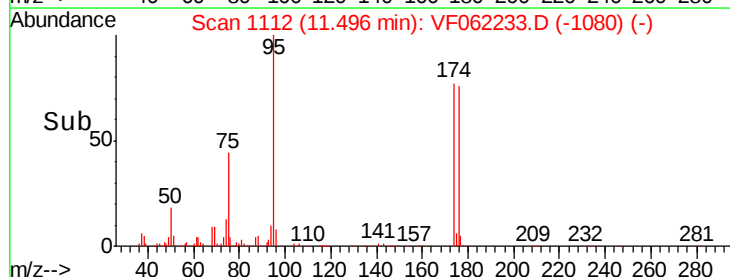
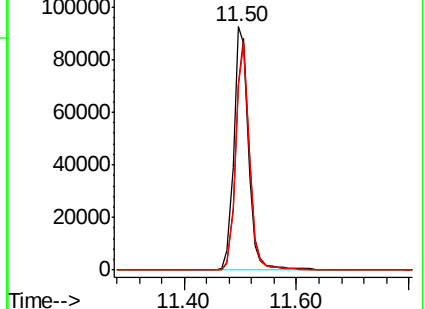
176 86.3 0.0 155.4

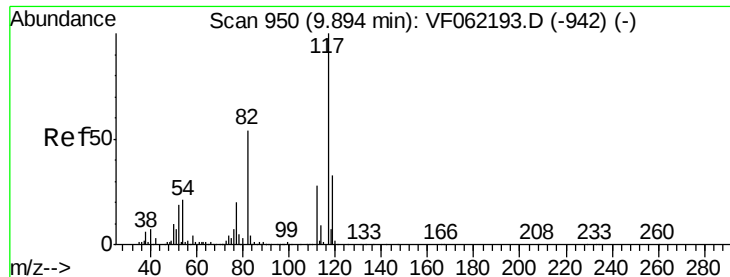


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

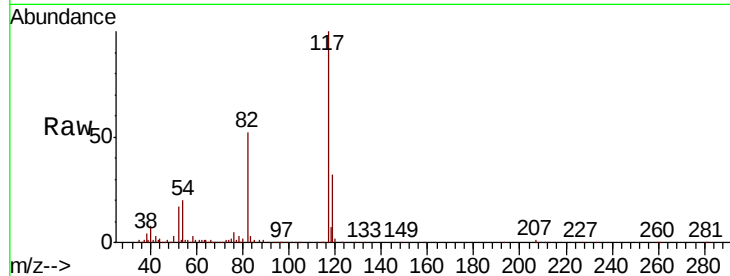
Ion 175.80 (175.50 to 176.50): V



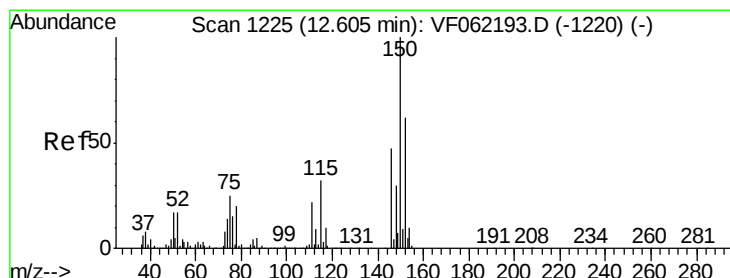
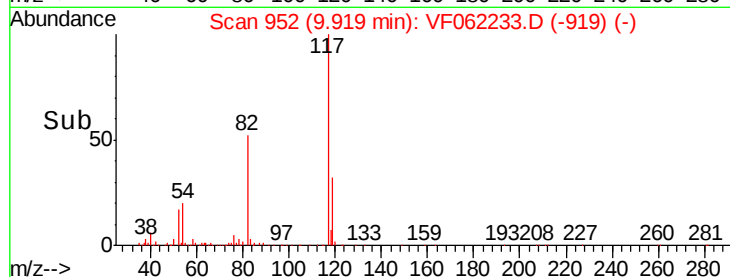
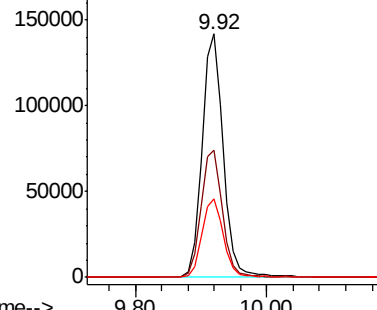


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.2	64.8
119	32.2	26.2	39.4

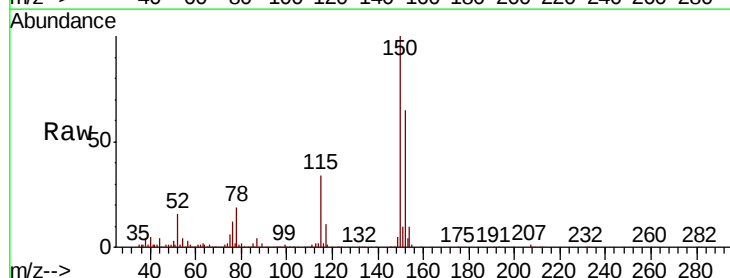


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

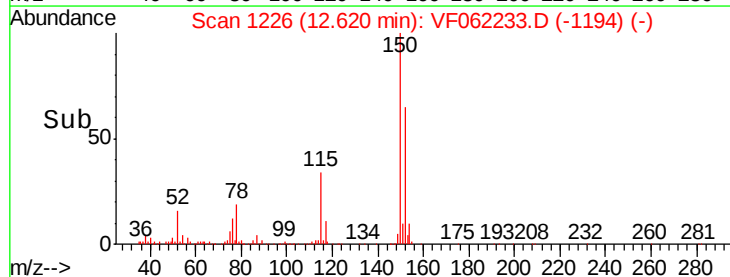
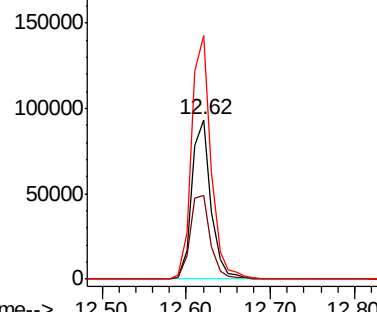


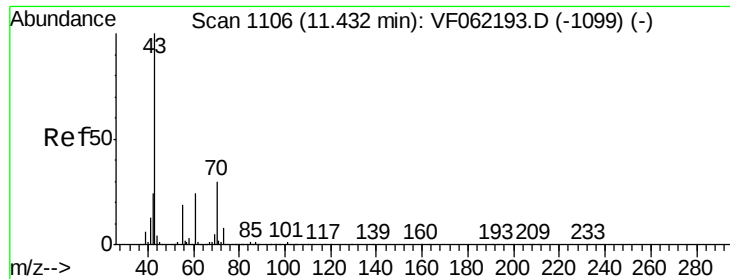
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VF062233.D
Acq: 19 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.3
150	155.4	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-amvl acetate

Concen: Below Cal

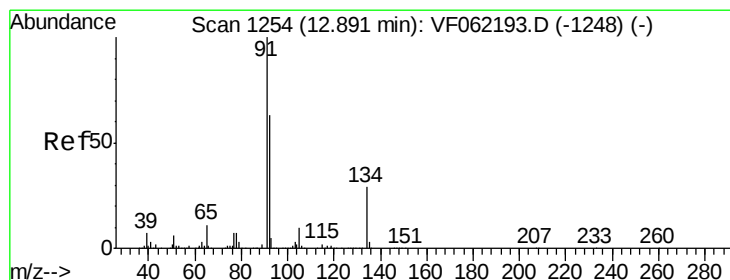
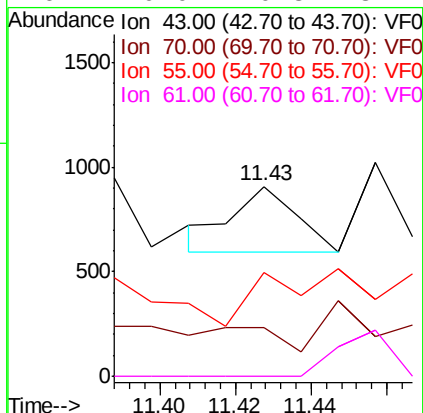
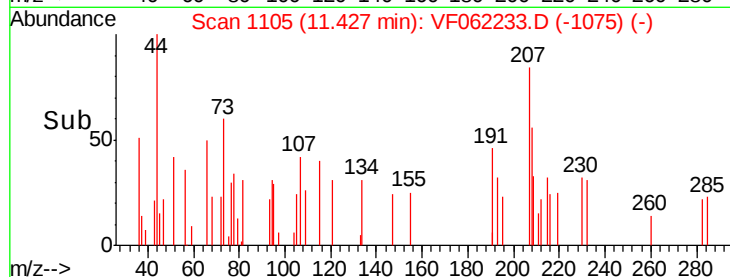
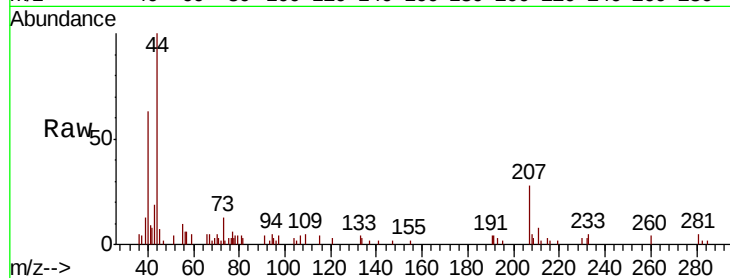
RT: 11.43 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF062233.D

Acq: 19 Apr 2019 19:07

Tot Ion:	43	Resp:	357
Ion	Ratio	Lower	Upper
43	100		
70	90.2	27.0	40.4#
55	173.7	15.7	23.5#
61	0.0	20.8	31.2#



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.91 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VF062233.D

Acq: 19 Apr 2019 19:07

Tgt Ion:	91	Resp:	2168
Ion	Ratio	Lower	Upper
91	100		
92	48.4	31.2	93.6
134	36.9	13.1	39.1

