

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062232.D
 Acq On : 19 Apr 2019 18:39
 Operator : FY/SY
 Sample : K2472-01RE
 Misc : 5.49g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

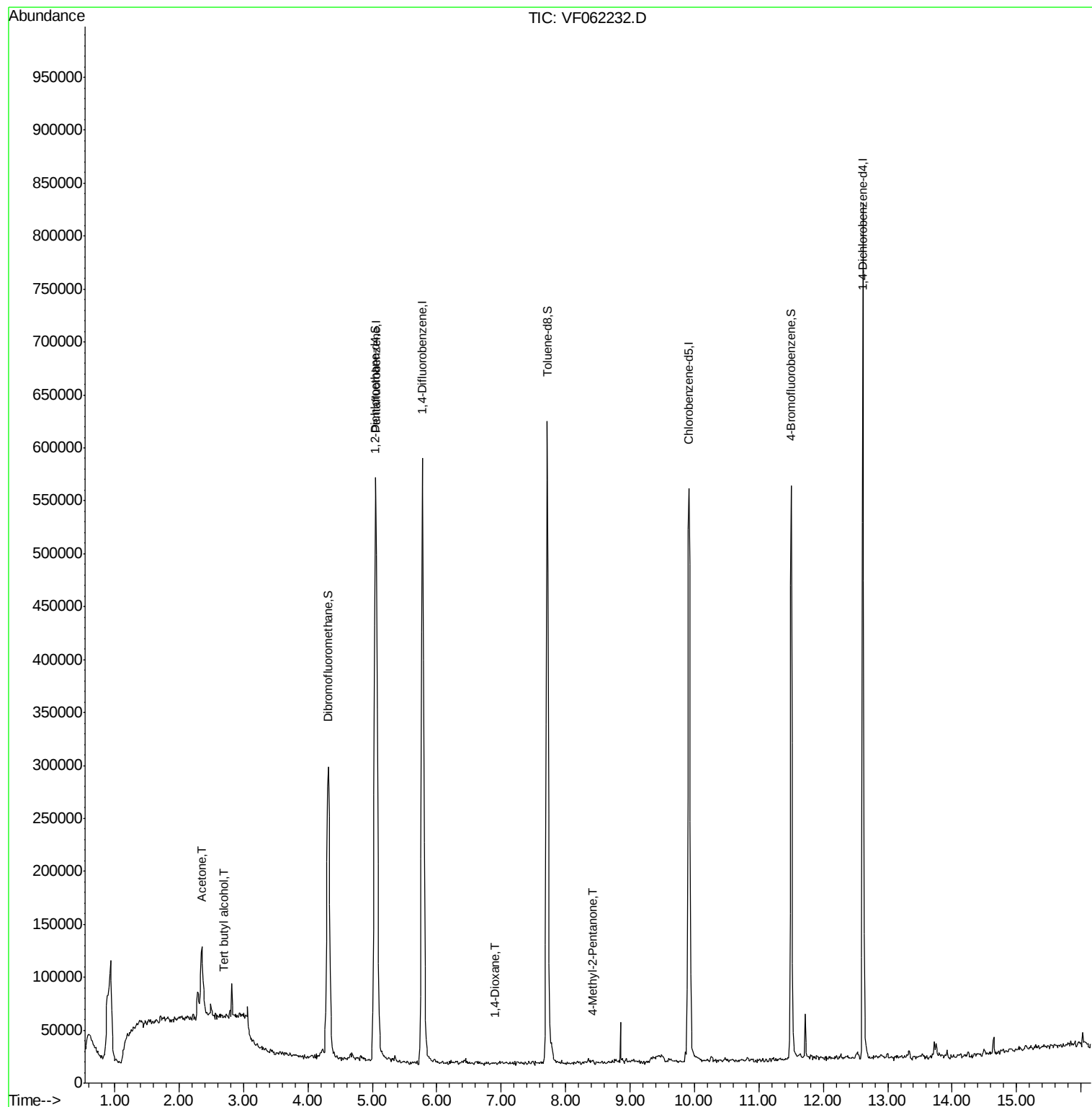
Quant Time: Apr 19 23:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

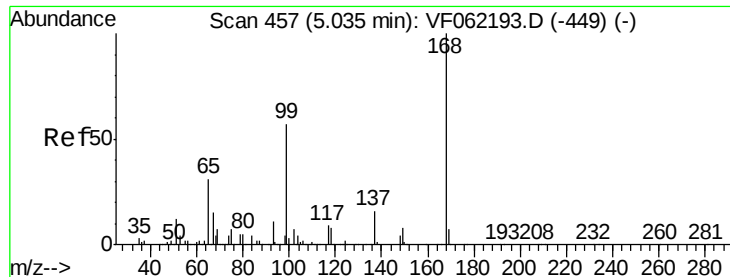
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	491141	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	691204	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	448807	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	215710	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	194573	43.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.40%	
35) Dibromofluoromethane	4.32	113	268110	44.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.68%	
50) Toluene-d8	7.72	98	556841	36.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.76%	
62) 4-Bromofluorobenzene	11.50	95	205007	34.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	69.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.70	59	2280	7.283	ug/l #	13
13) Acrolein	2.10	56	1606	Below Cal	#	42
16) Acetone	2.36	43	35022	32.535	ug/l	93
18) Methyl Acetate	2.47	43	7209	Below Cal	#	66
49) 1,4-Dioxane	6.89	88	313	10.097	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	4290	1.402	ug/l	88
74) N-amyl acetate	11.45	43	1396	Below Cal	#	52
89) n-Butylbenzene	12.90	91	2299	Below Cal		76

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

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Quant Title : SW846 8260
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. 0.02 min

Lab File: VF062232.D

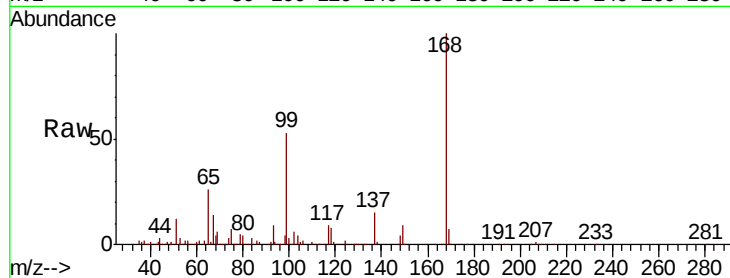
Acq: 19 Apr 2019 18:39

Tot Ion:168 Resp: 491141

Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

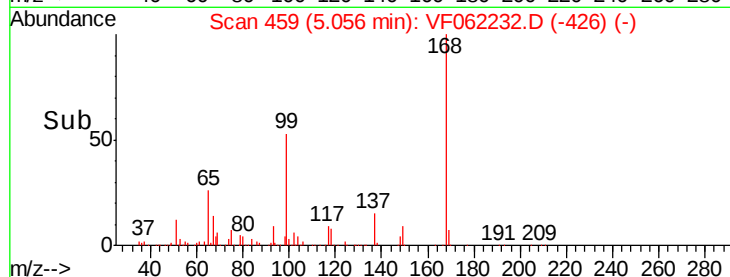
150000

100000

50000

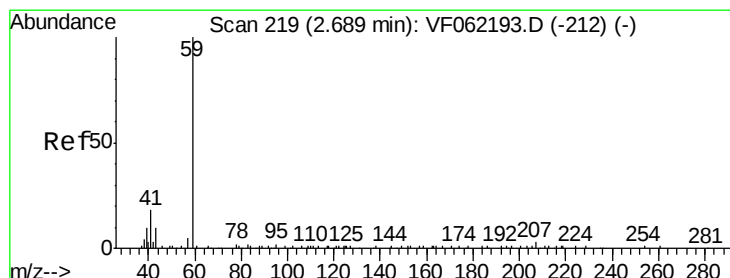
0

Time-->



5.06

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: 7.283 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF062232.D

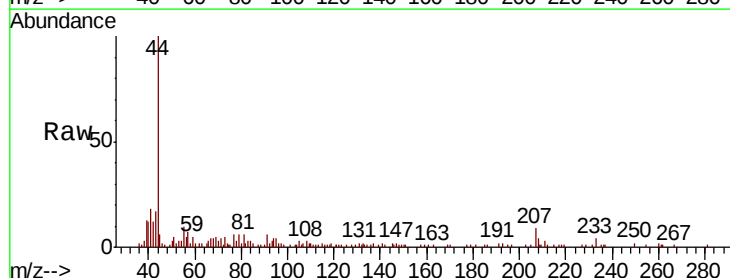
Acq: 19 Apr 2019 18:39

Tgt Ion: 59 Resp: 2280

Ion Ratio Lower Upper

59 100

57 45.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

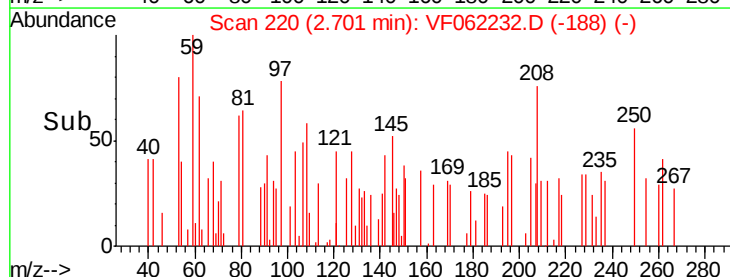
1500

1000

500

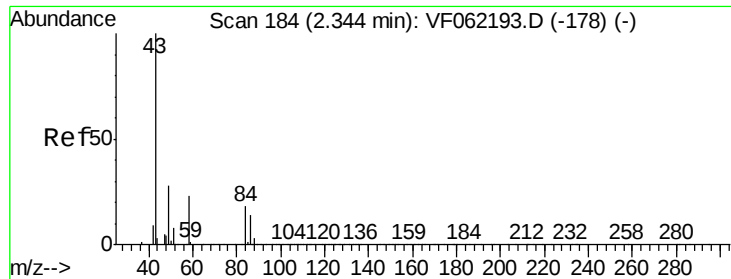
0

Time-->



2.70

2.60 2.70 2.80



#16

Acetone

Concen: 32.535 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062232.D

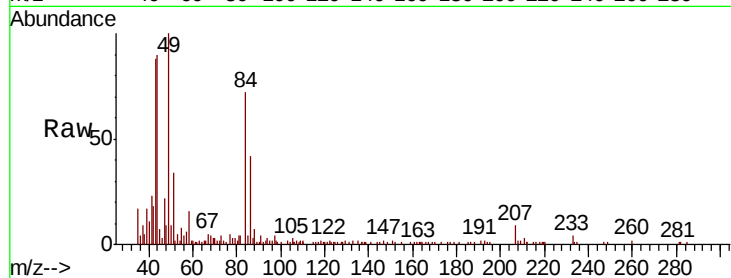
Acq: 19 Apr 2019 18:39

Tot Ion: 43 Resp: 35022

Ion Ratio Lower Upper

43 100

58 19.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

15000

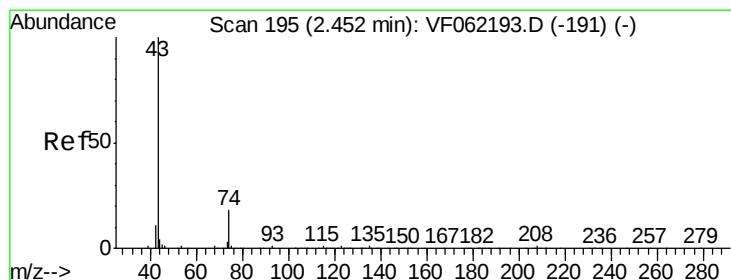
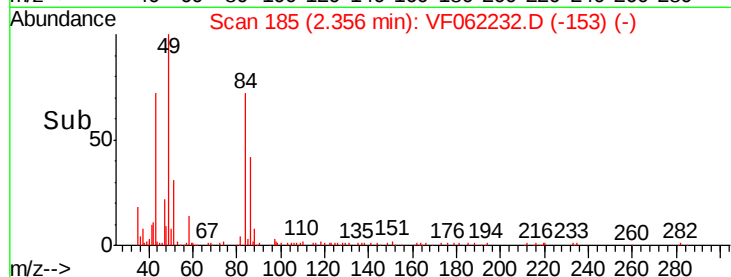
10000

5000

0

2.20 2.30 2.40 2.50

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 2.47 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF062232.D

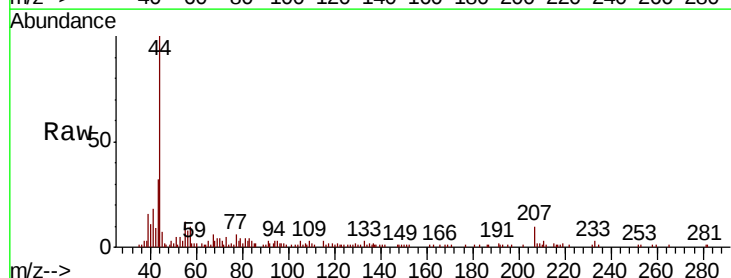
Acq: 19 Apr 2019 18:39

Tgt Ion: 43 Resp: 7209

Ion Ratio Lower Upper

43 100

74 3.1 14.5 21.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

5000

4000

3000

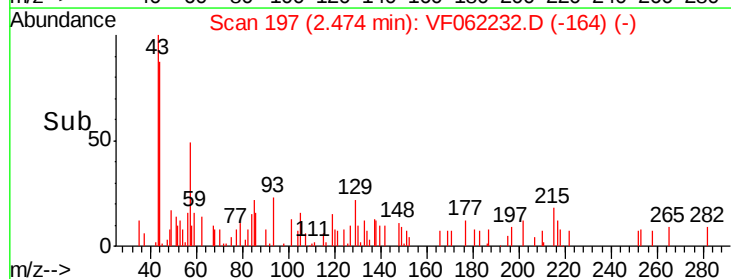
2000

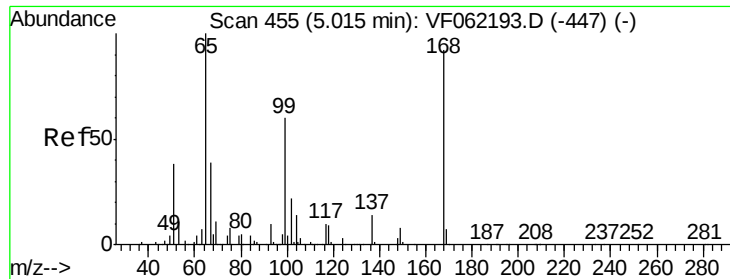
1000

0

2.40 2.45 2.50 2.55

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.205 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062232.D

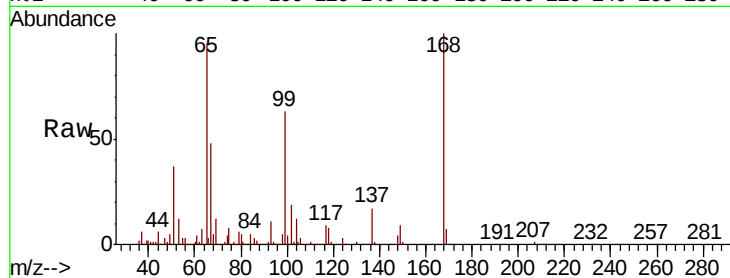
Acq: 19 Apr 2019 18:39

Tot Ion: 65 Resp: 194573

Ion Ratio Lower Upper

65 100

67 52.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.04

80000

60000

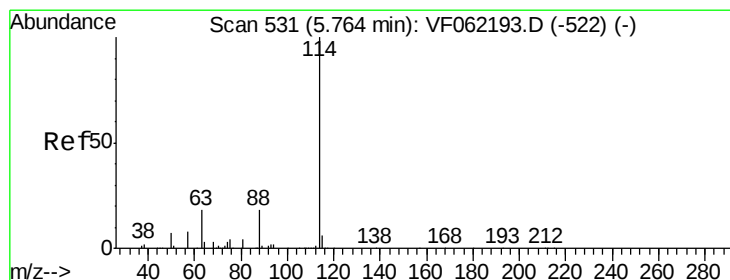
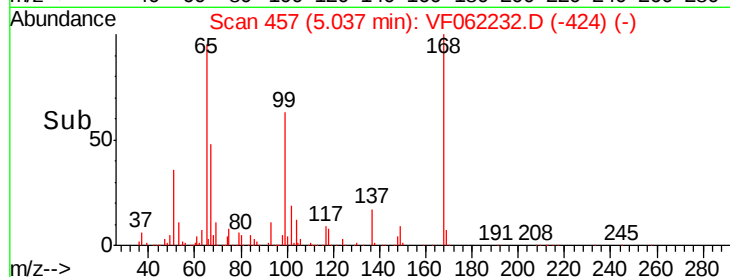
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

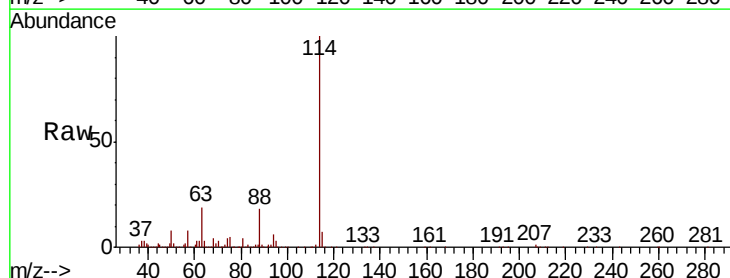
Tgt Ion: 114 Resp: 691204

Ion Ratio Lower Upper

114 100

63 19.0 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

5.78

300000

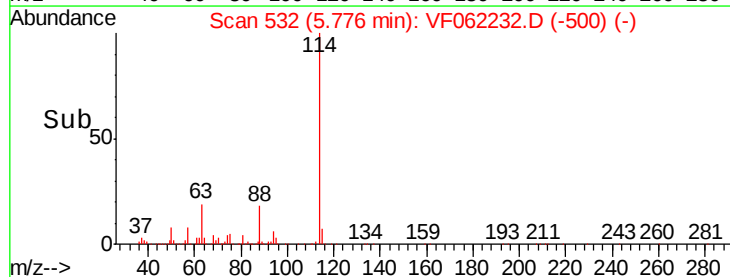
200000

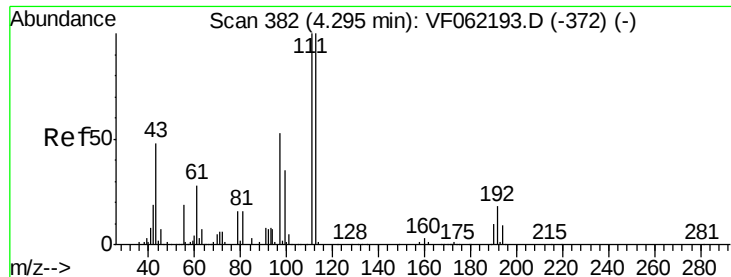
100000

0

Time-->

5.60 5.70 5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 44.344 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

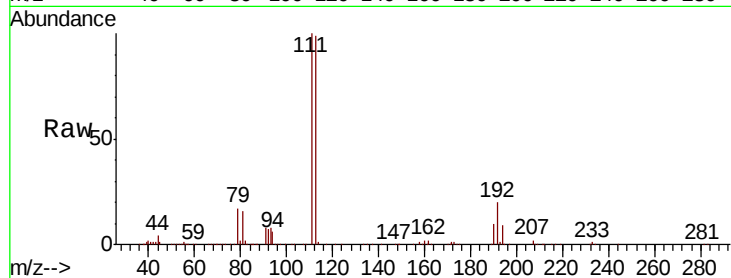
Tot Ion:113 Resp: 268110

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

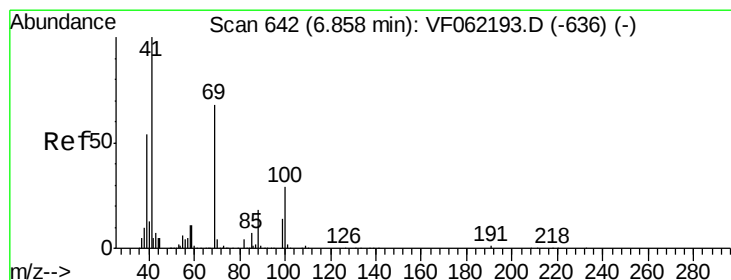
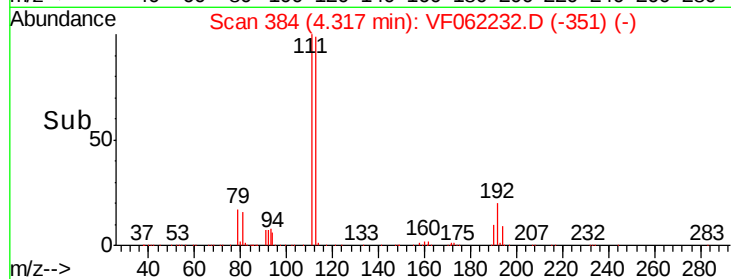
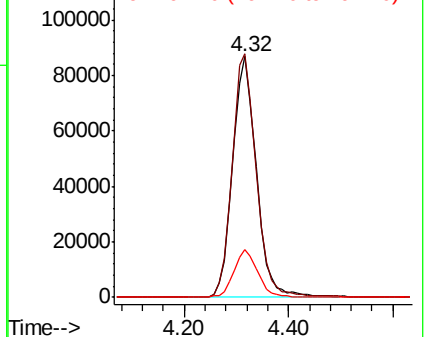
192 19.7 14.7 22.1



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



#49

1,4-Dioxane

Concen: 10.097 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

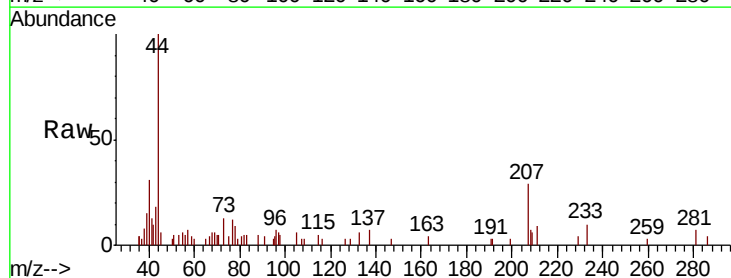
Tgt Ion: 88 Resp: 313

Ion Ratio Lower Upper

88 100

43 317.6 36.9 55.3#

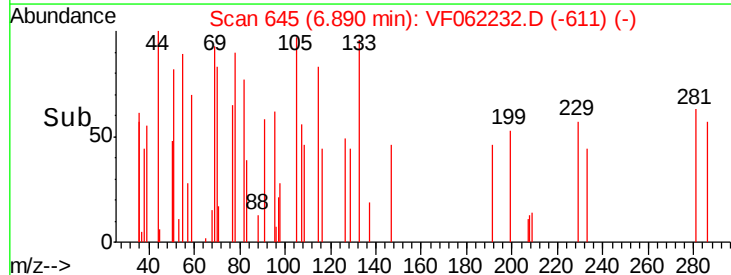
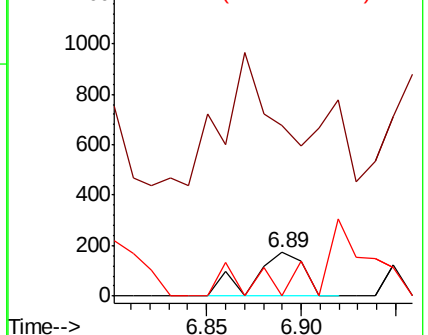
58 21.7 56.8 85.2#

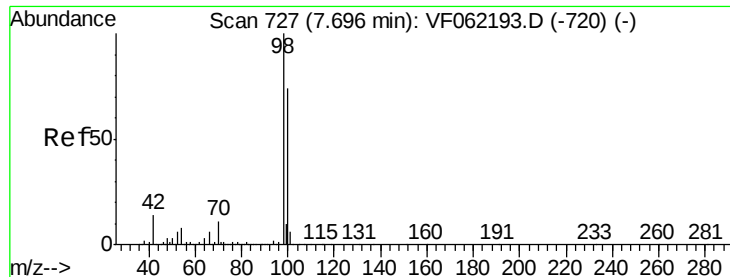


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 36.383 ug/l

RT: 7.72 min Scan# 729

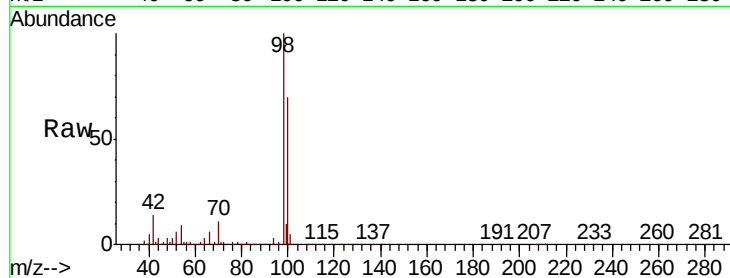
Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

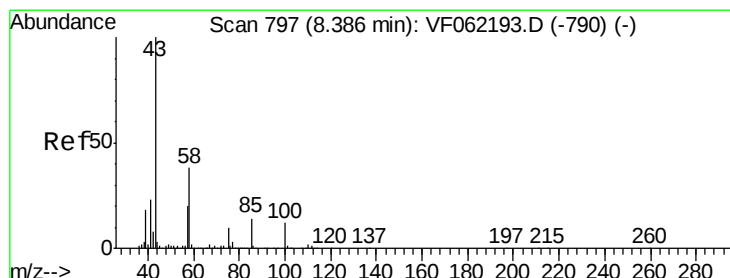
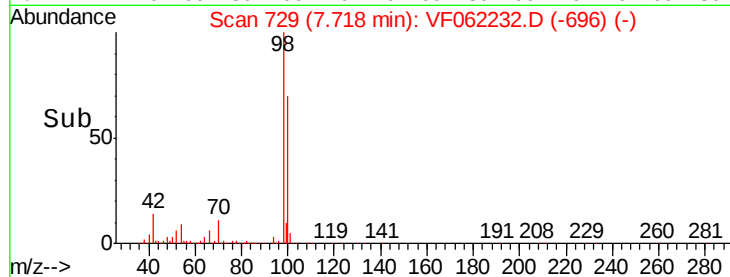
Tot Ion: 98 Resp: 556841

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



#51

4-Methyl-2-Pentanone

Concen: 1.402 ug/l

RT: 8.41 min Scan# 799

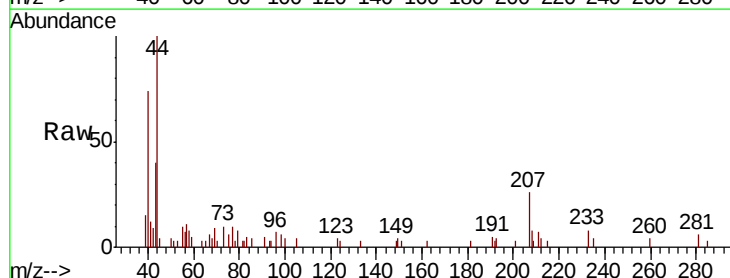
Delta R.T. 0.02 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

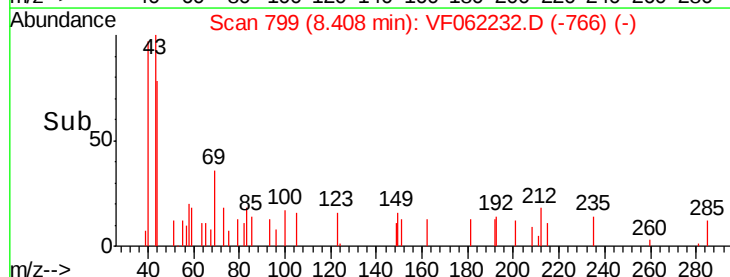
Tgt Ion: 43 Resp: 4290

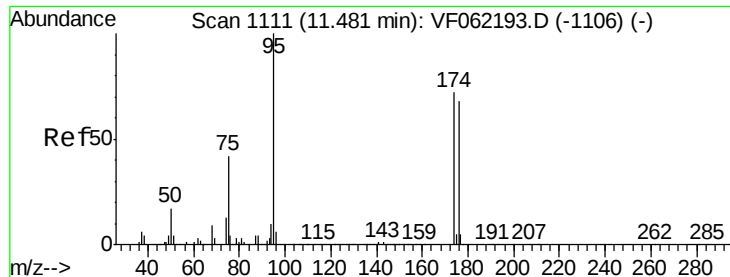
Ion	Ratio	Lower	Upper
43	100		
58	29.4	29.3	43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

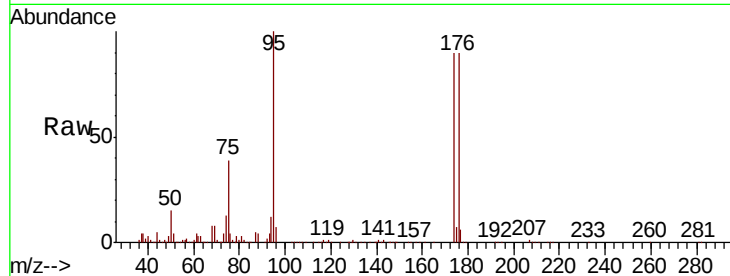
Ion 58.00 (57.70 to 58.70): VF0





#62
4-Bromofluorobenzene
Concen: 34.819 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	159.4
176	85.8	0.0	155.4

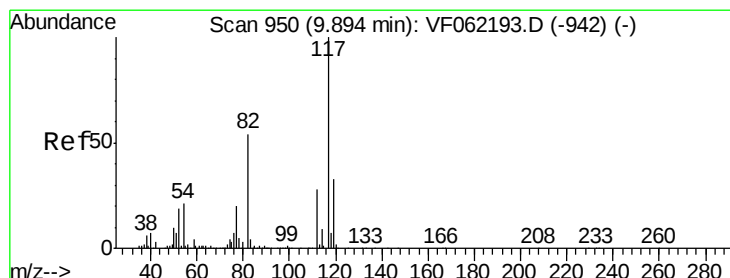
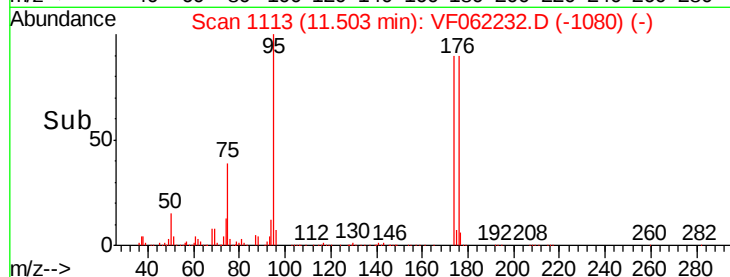
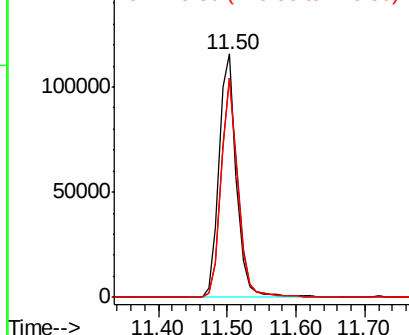


Abundance

Ion 94.90 (94.60 to 95.60): VF0

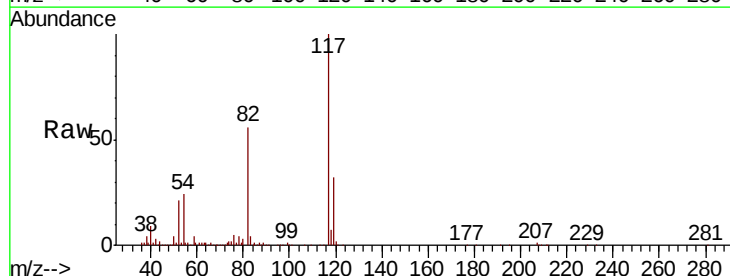
Ion 173.80 (173.50 to 174.50): V

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: VF062232.D
Acq: 19 Apr 2019 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.2	64.8
119	31.9	26.2	39.4

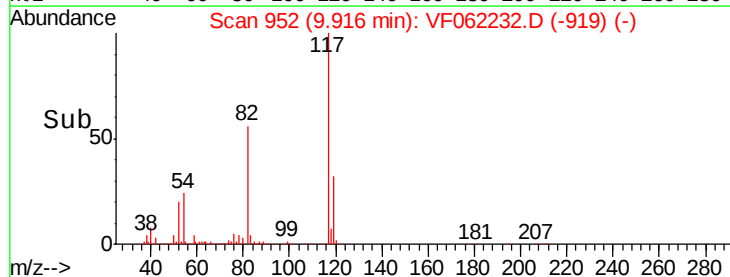
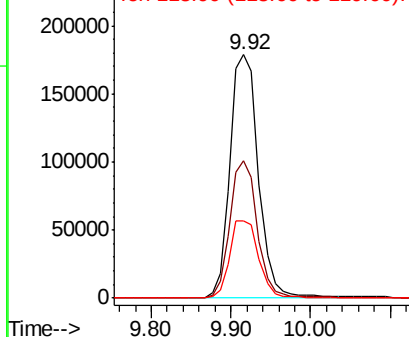


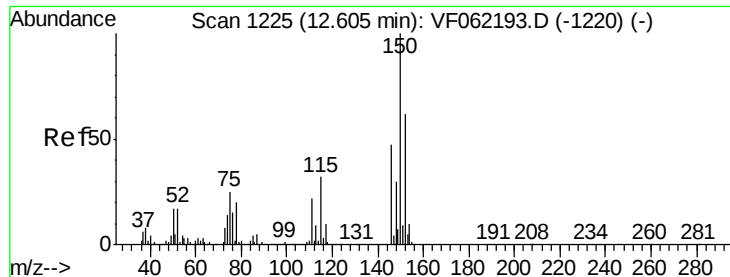
Abundance

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

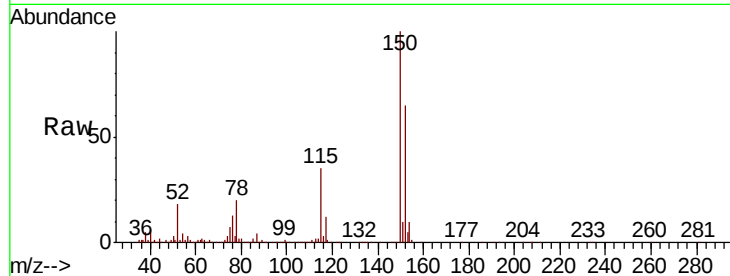




#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.3
150	153.8	0.0	341.8

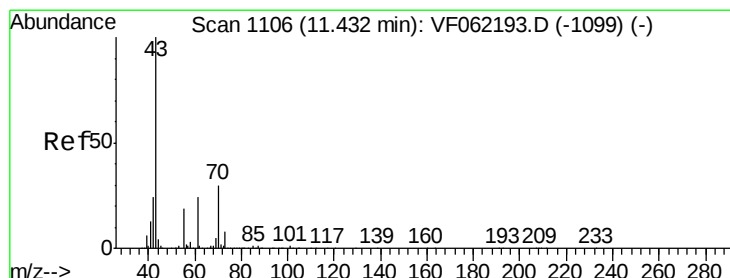
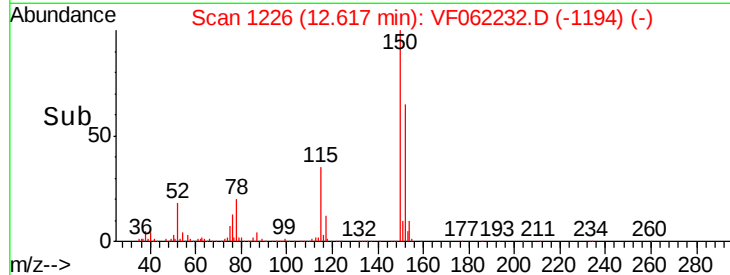
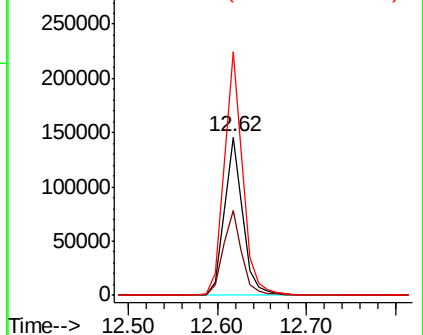


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

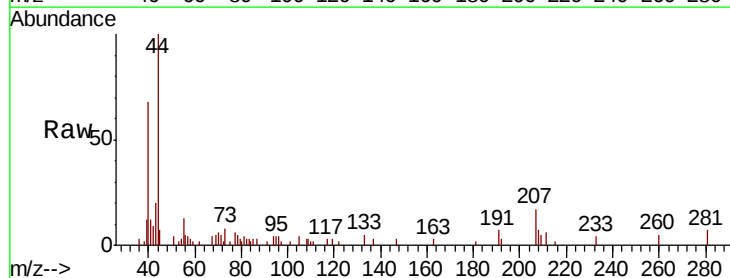
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VF062232.D
Acq: 19 Apr 2019 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	57.4	27.0	40.4#
55	45.1	15.7	23.5#
61	0.0	20.8	31.2#



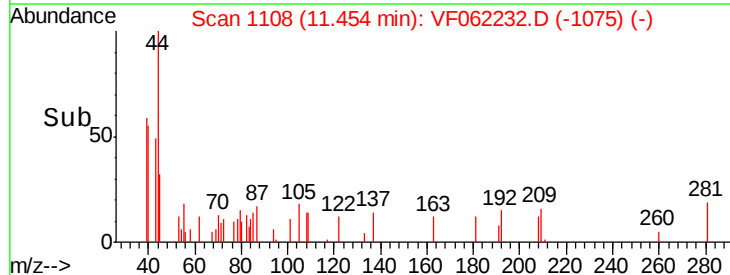
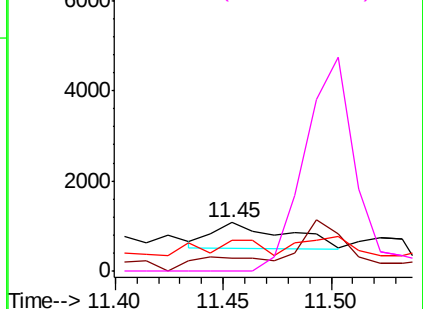
Abundance

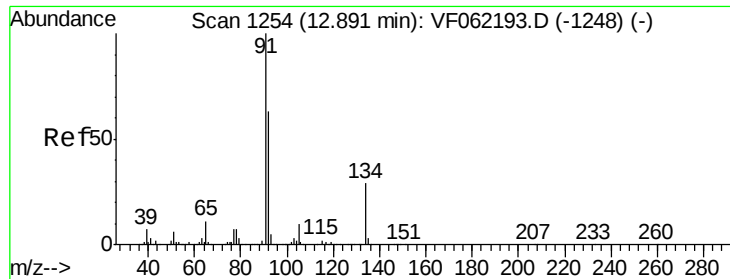
Ion 43.00 (42.70 to 43.70): VF0

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# 1255

Delta R.T. 0.01 min

Lab File: VF062232.D

Acq: 19 Apr 2019 18:39

Tot Ion: 91 Resp: 2299

Ion Ratio Lower Upper

91 100

92 39.4 31.2 93.6

134 31.7 13.1 39.1

