

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
 Data File : VF061354.D
 Acq On : 10 Jan 2019 20:06
 Operator : VA/AP
 Sample : K1015-01
 Misc : 7.22g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

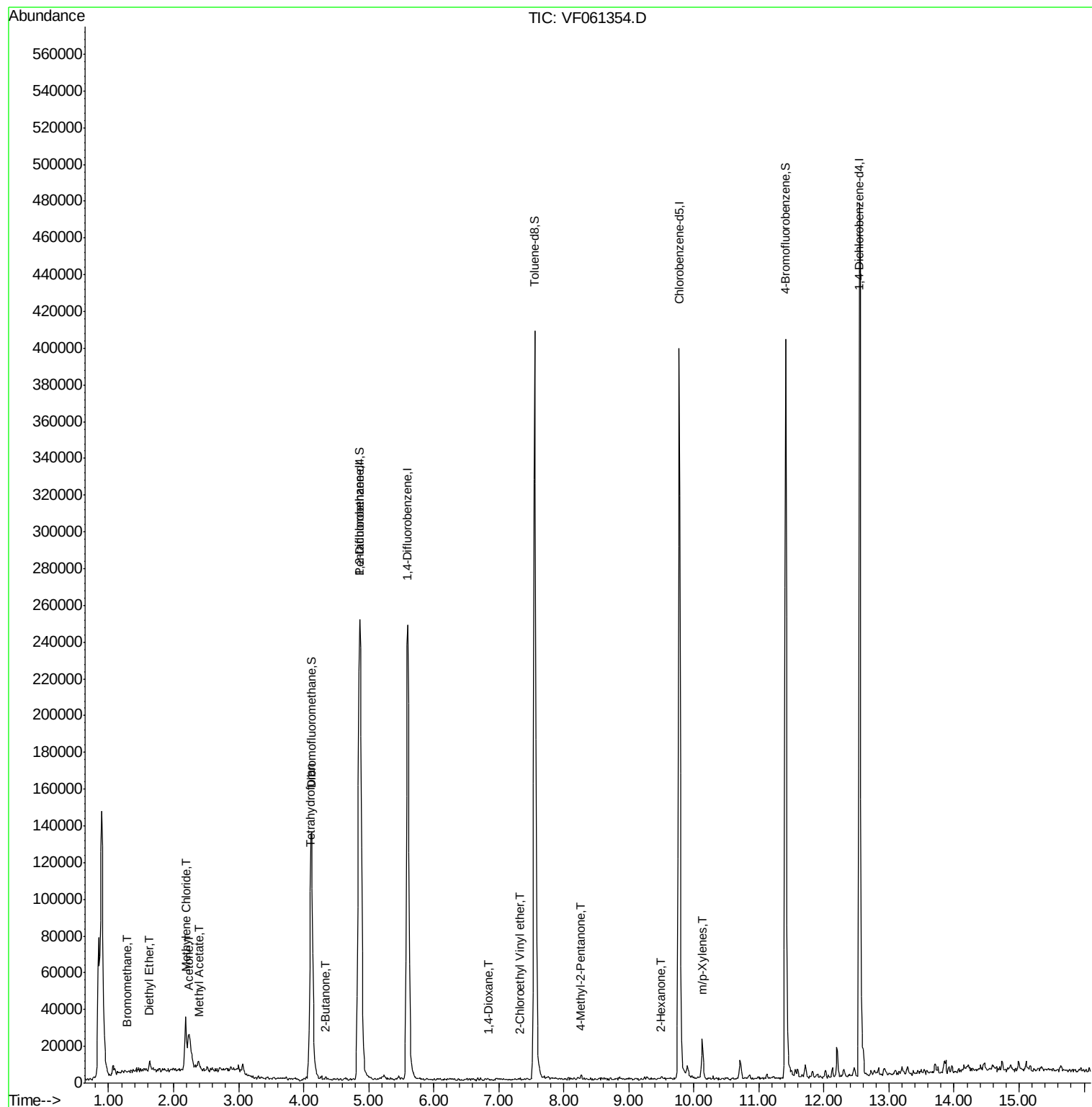
Quant Time: Jan 11 00:33:05 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

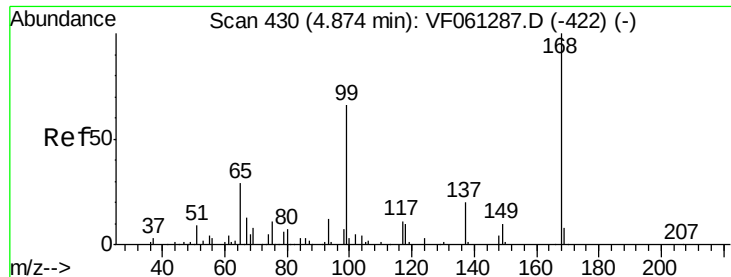
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	167477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	289099	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	276249	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	125389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	126764	68.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.00%	
35) Dibromofluoromethane	4.11	113	132749	60.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.02%	
50) Toluene-d8	7.55	98	334314	51.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.41	95	153017	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
Target Compounds						
5) Bromomethane	1.28	94	598	3.176	ug/l #	6
8) Diethyl Ether	1.64	74	2134	3.487	ug/l	90
13) Acrolein	1.92	56	421	Below Cal		97
16) Acetone	2.25	43	5232	12.065	ug/l	98
18) Methyl Acetate	2.39	43	2937	3.442	ug/l #	65
20) Methylene Chloride	2.18	84	13893	7.573	ug/l	95
25) 2-Butanone	4.33	43	904	1.295	ug/l #	56
29) Tetrahydrofuran	4.09	42	971	3.327	ug/l #	43
49) 1,4-Dioxane	6.85	88	66	9.928	ug/l #	10
51) 4-Methyl-2-Pentanone	8.27	43	1971	1.609	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.31	63	78	1.155	ug/l #	56
59) 2-Hexanone	9.50	43	1250	1.440	ug/l	84
68) m/p-Xylenes	10.13	106	6904	1.840	ug/l	100

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061354.D

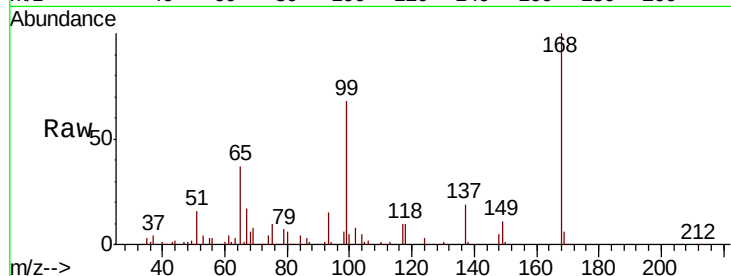
Acq: 10 Jan 2019 20:06

Tgt Ion: 168 Resp: 167477

Ion Ratio Lower Upper

168 100

99 68.1 52.7 79.1

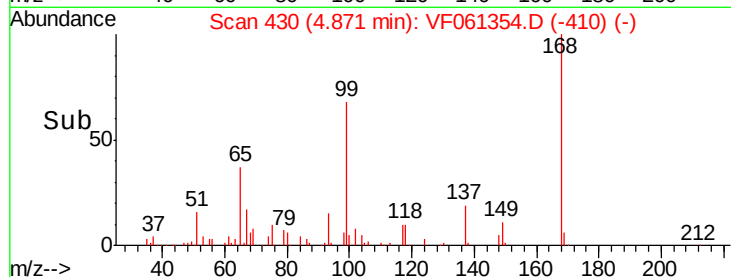


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

Time-->



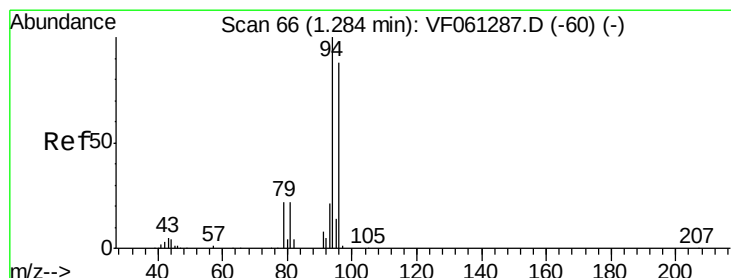
Abundance

Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

Time-->



#5

Bromomethane

Concen: 3.176 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF061354.D

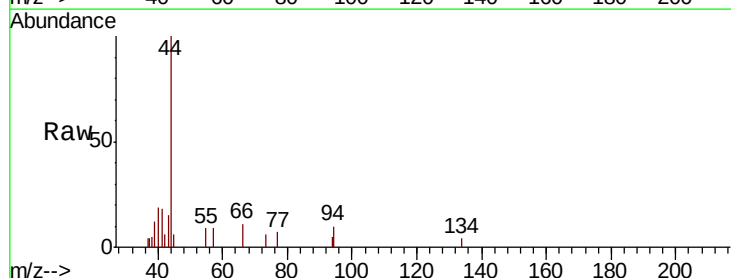
Acq: 10 Jan 2019 20:06

Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#

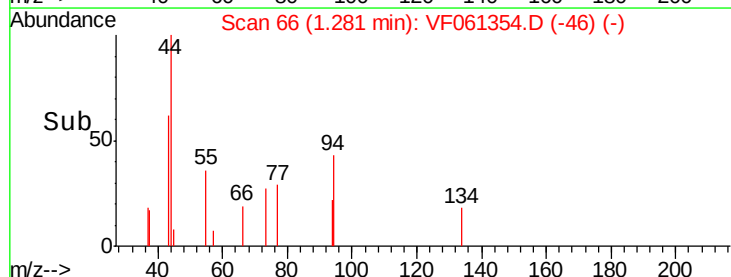


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.28

Time-->



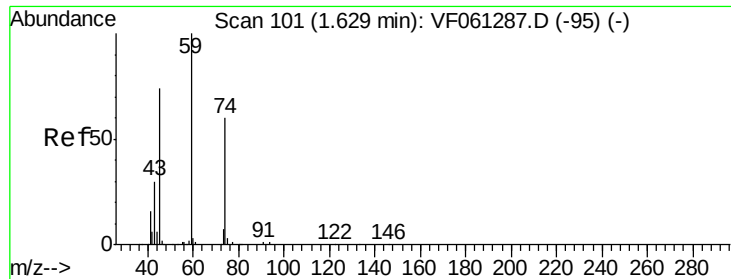
Abundance

Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.28

Time-->



#8

Diethyl Ether

Concen: 3.487 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061354.D

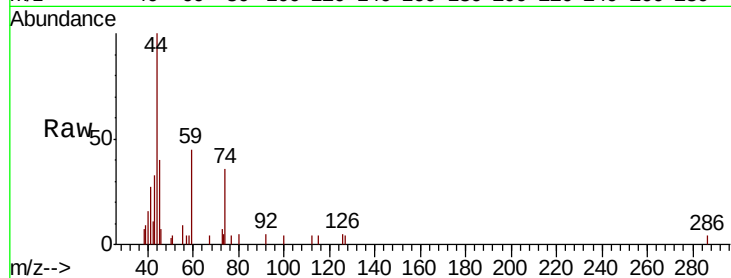
Acq: 10 Jan 2019 20:06

Tgt Ion: 74 Resp: 2134

Ion Ratio Lower Upper

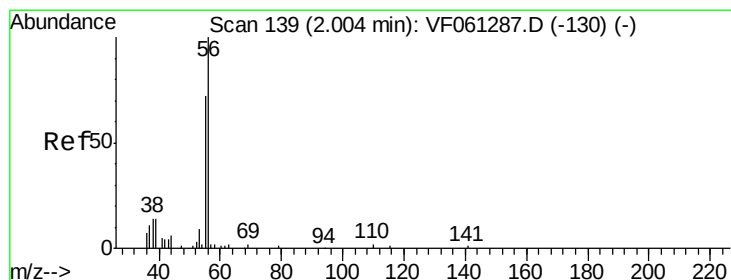
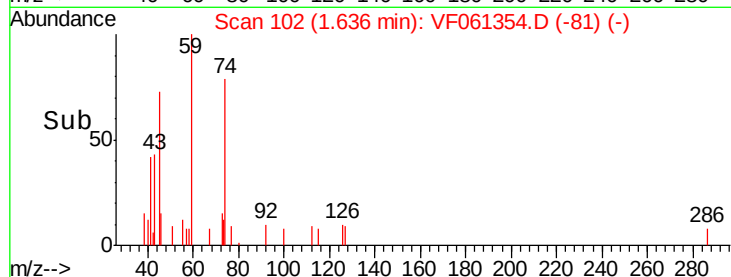
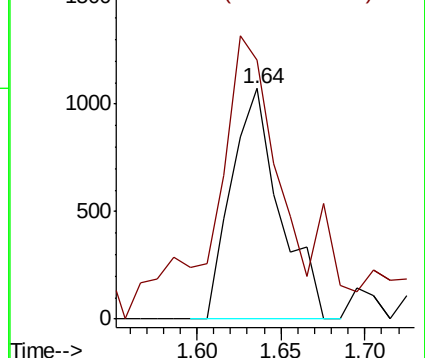
74 100

45 112.4 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#13

Acrolein

Concen: Below Cal

RT: 1.92 min Scan# 131

Delta R.T. -0.08 min

Lab File: VF061354.D

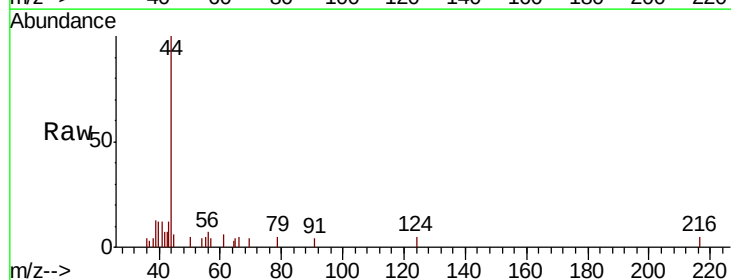
Acq: 10 Jan 2019 20:06

Tgt Ion: 56 Resp: 421

Ion Ratio Lower Upper

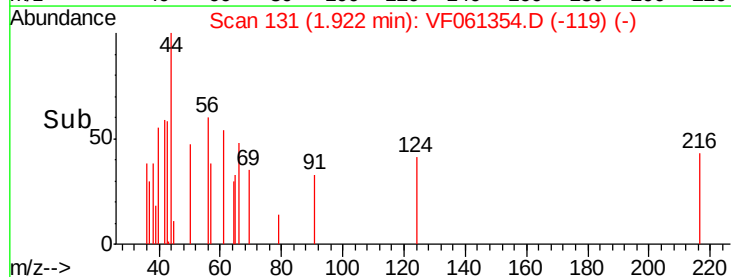
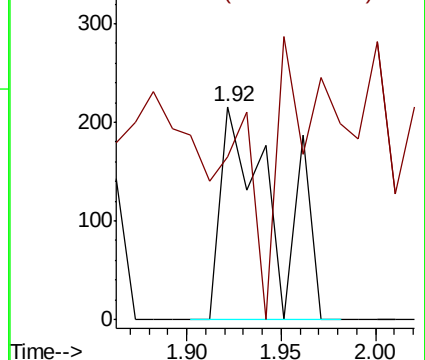
56 100

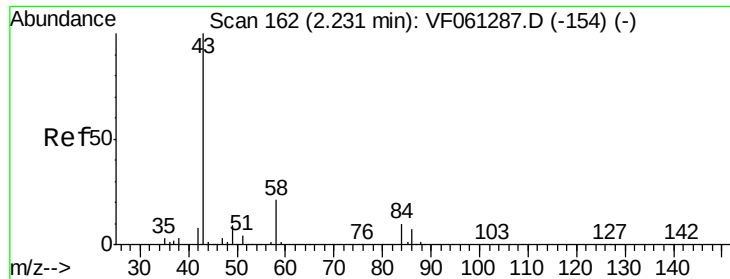
55 76.4 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#16

Acetone

Concen: 12.065 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF061354.D

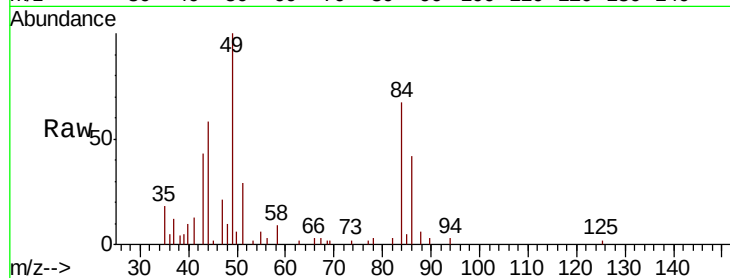
Acq: 10 Jan 2019 20:06

Tgt Ion: 43 Resp: 5232

Ion Ratio Lower Upper

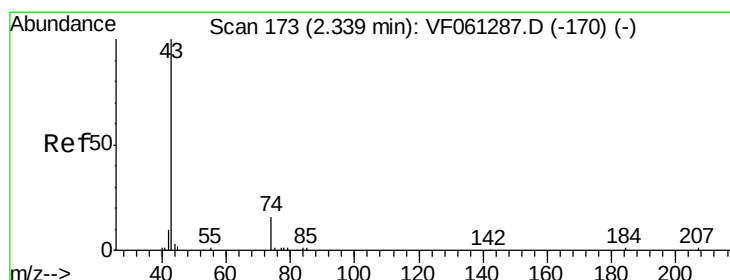
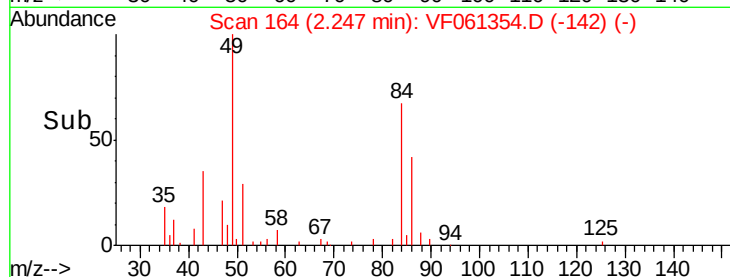
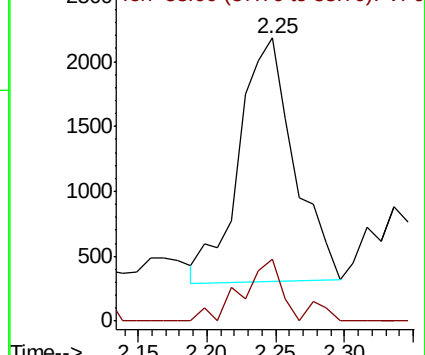
43 100

58 21.8 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 3.442 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.05 min

Lab File: VF061354.D

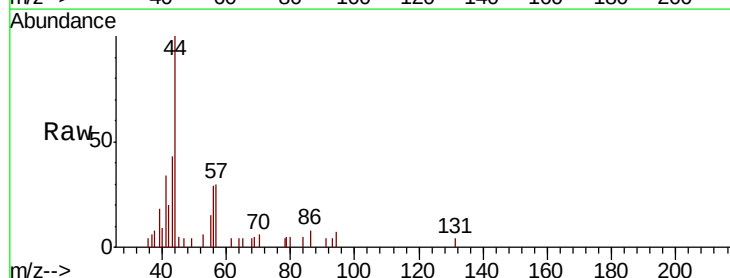
Acq: 10 Jan 2019 20:06

Tgt Ion: 43 Resp: 2937

Ion Ratio Lower Upper

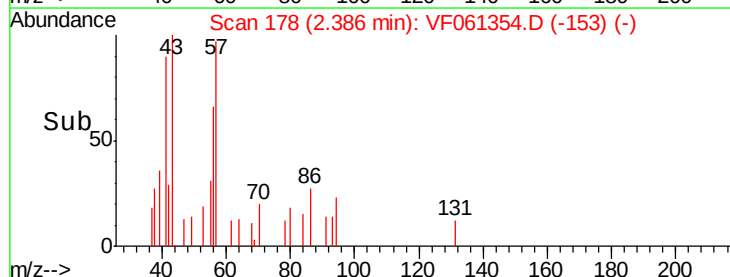
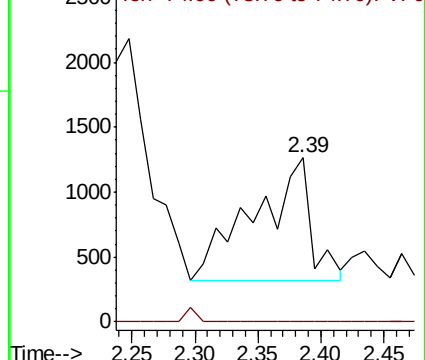
43 100

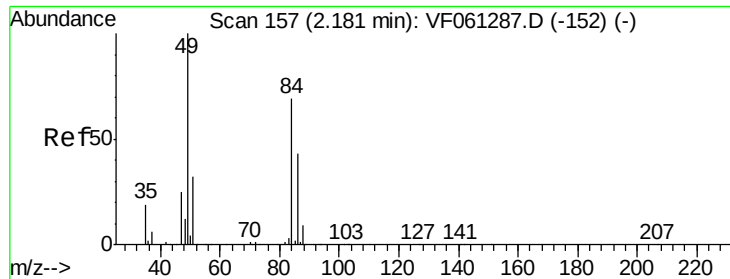
74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

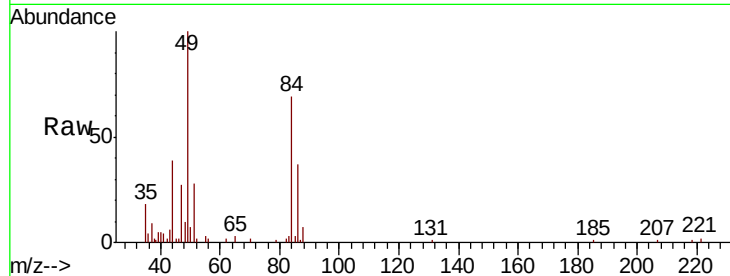
Ion 74.00 (73.70 to 74.70): VF0



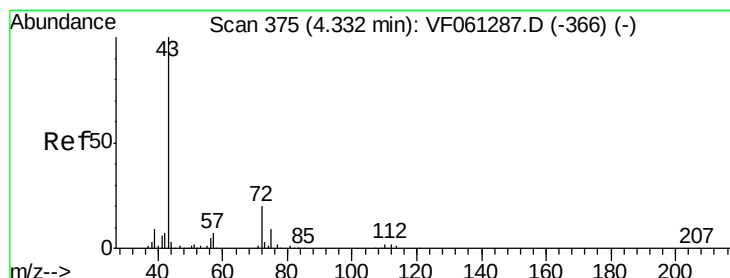
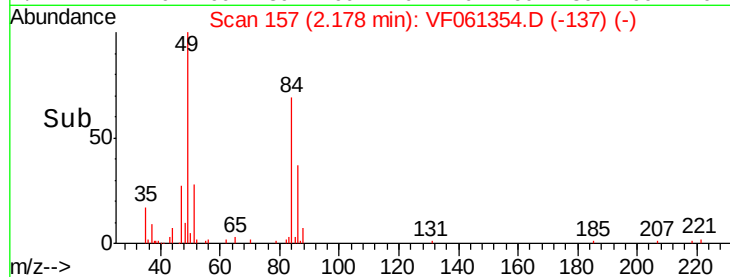
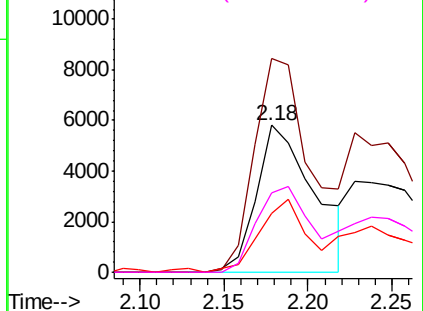


#20
Methylene Chloride
Concen: 7.573 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

Tgt Ion:	84	Resp:	13893
Ion	Ratio	Lower	Upper
84	100		
49	145.2	116.6	175.0
51	40.4	37.7	56.5
86	54.0	49.8	74.8

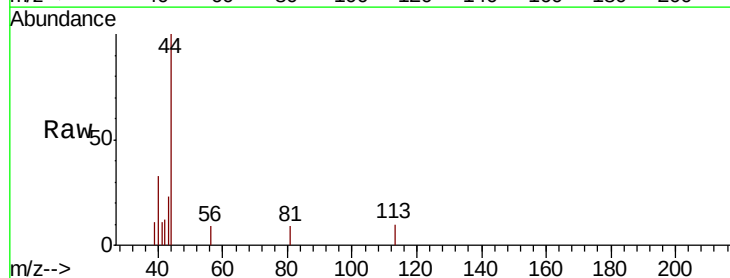


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

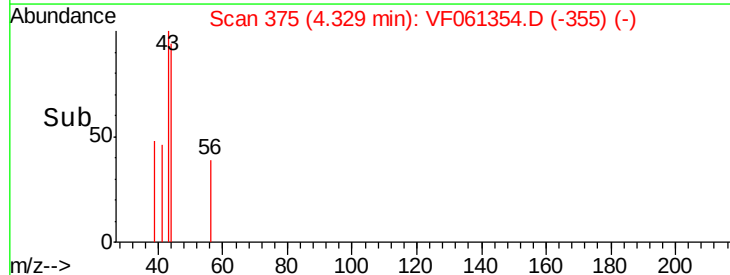
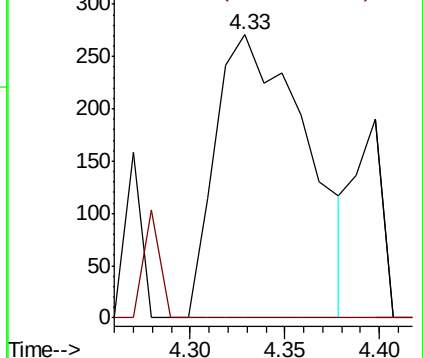


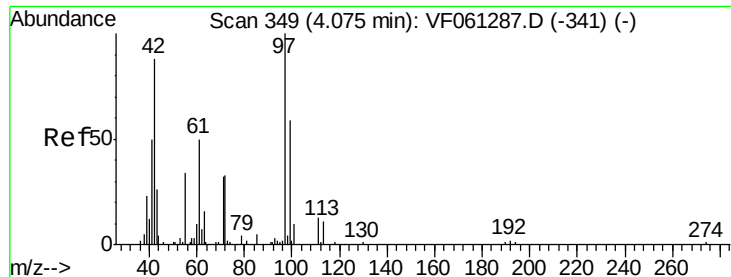
#25
2-Butanone
Concen: 1.295 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

Tgt Ion:	43	Resp:	904
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 3.327 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061354.D

Acq: 10 Jan 2019 20:06

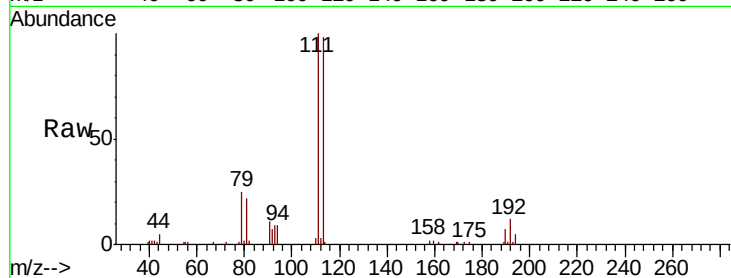
Tgt Ion: 42 Resp: 971

Ion Ratio Lower Upper

42 100

72 8.1 32.3 48.5#

71 0.0 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.09

300

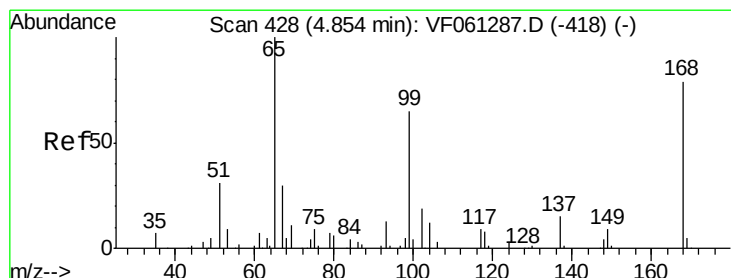
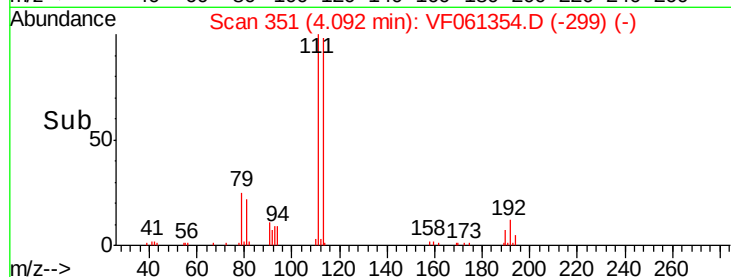
200

100

0

4.05 4.10 4.15

Time-->



#33

1,2-Dichloroethane-d4

Concen: 68.002 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061354.D

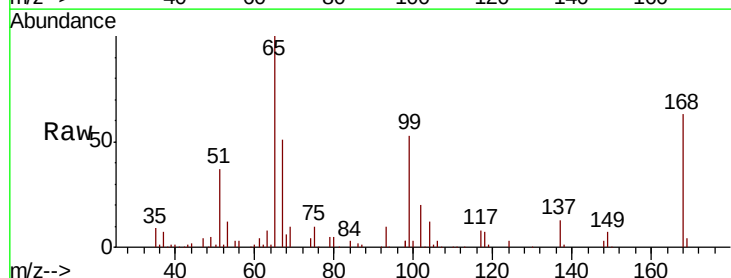
Acq: 10 Jan 2019 20:06

Tgt Ion: 65 Resp: 126764

Ion Ratio Lower Upper

65 100

67 50.6 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

50000

40000

30000

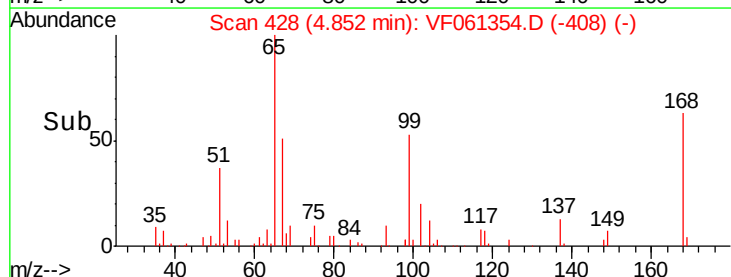
20000

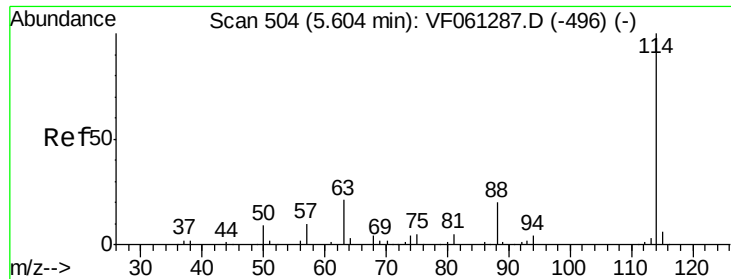
10000

0

4.70 4.80 4.90 5.00

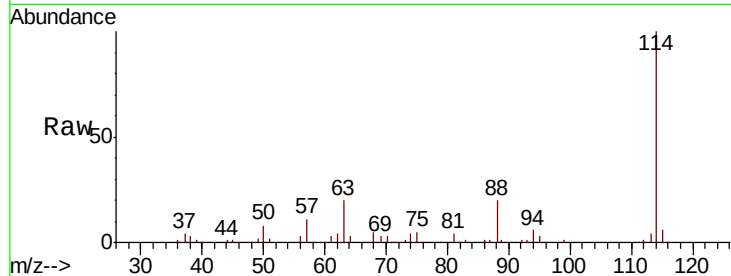
Time-->



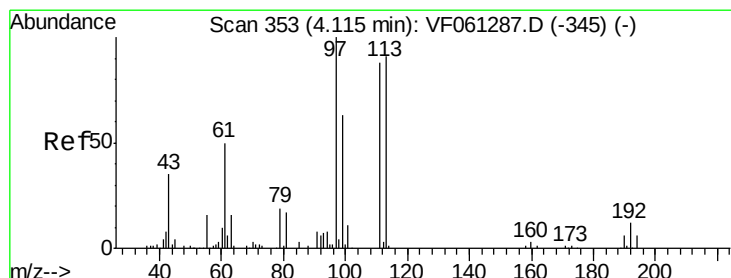
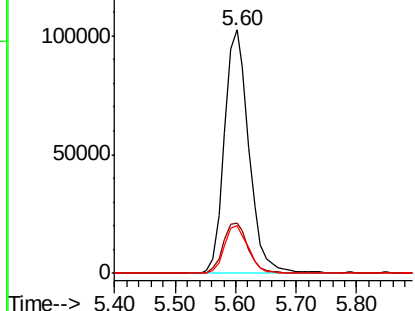
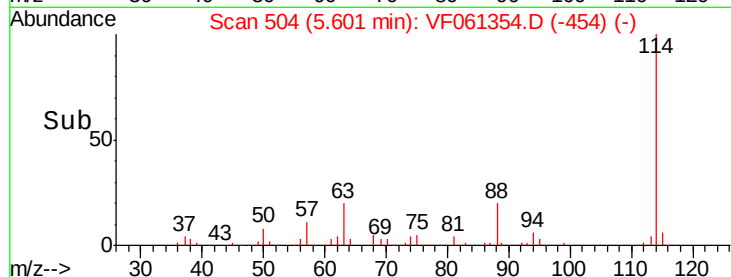


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061354.D
 Acq: 10 Jan 2019 20:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.8
88	19.6	0.0	40.0

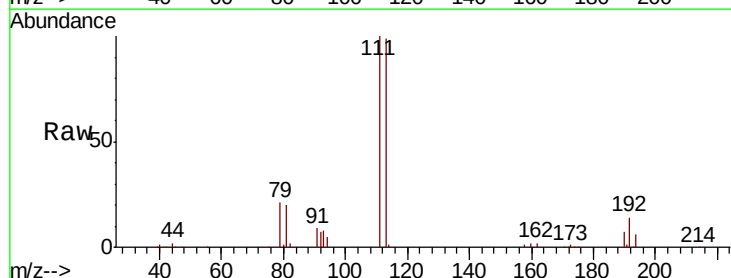


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

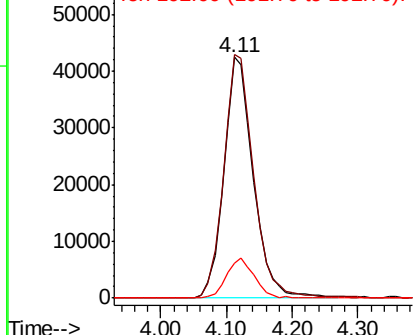
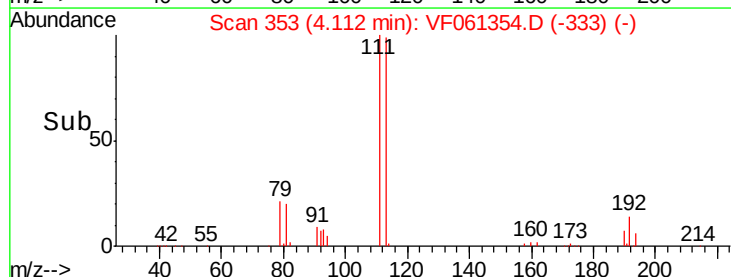


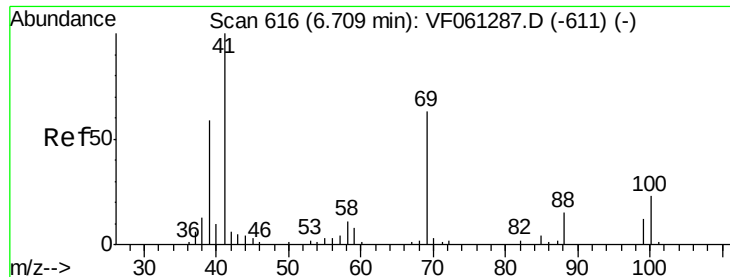
#35
 Dibromofluoromethane
 Concen: 60.011 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061354.D
 Acq: 10 Jan 2019 20:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	78.0	117.0
192	14.5	10.6	16.0



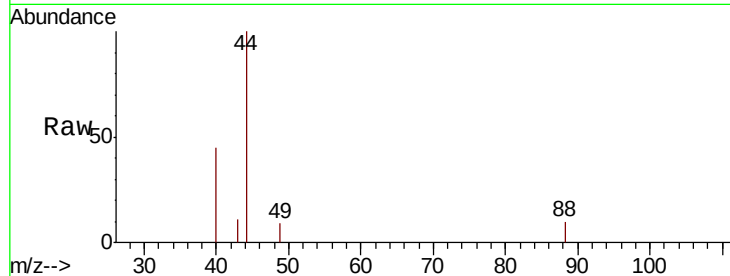
Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V



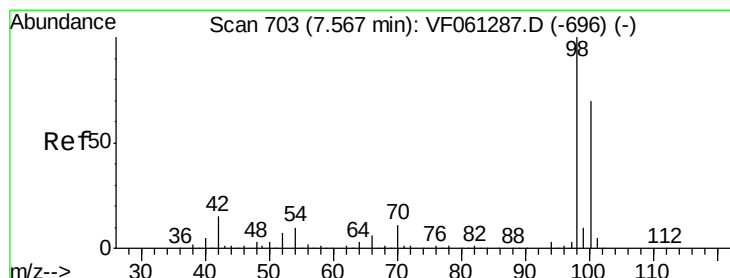
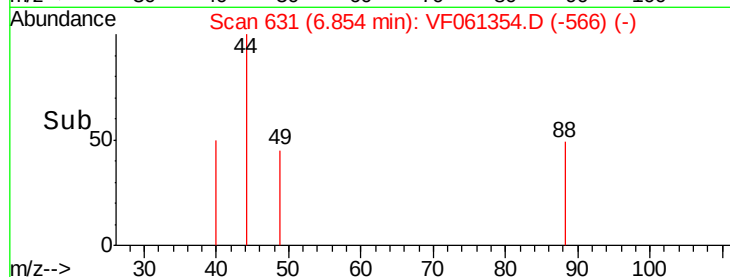
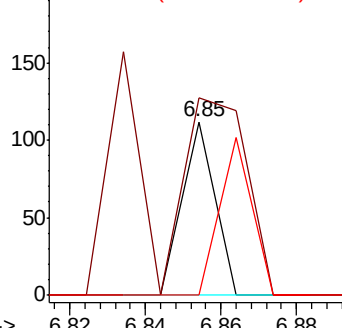


#49
1,4-Dioxane
Concen: 9.928 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.15 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 113.4 38.5 57.7#
58 0.0 57.0 85.4#

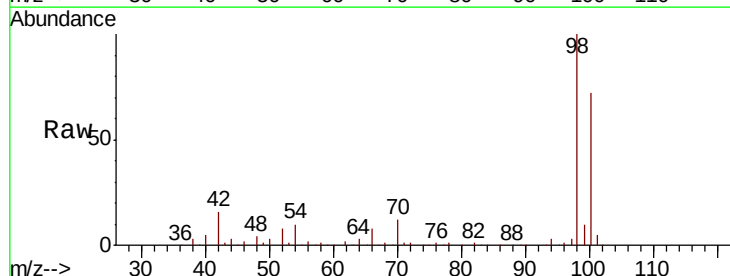


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

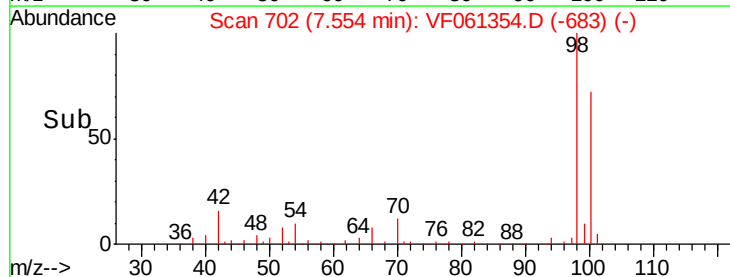
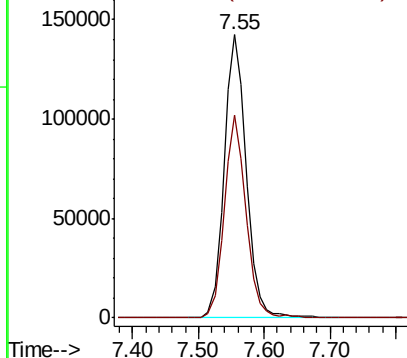


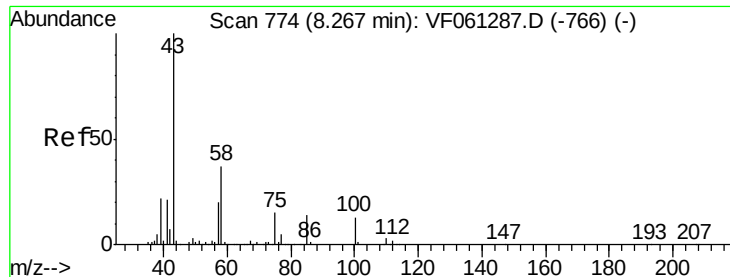
#50
Toluene-d8
Concen: 51.071 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

Tgt Ion: 98 Resp: 334314
Ion Ratio Lower Upper
98 100
100 71.5 55.6 83.4



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: 1.609 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061354.D

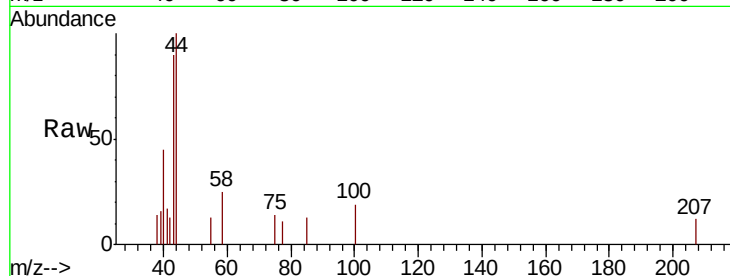
Acq: 10 Jan 2019 20:06

Tgt Ion: 43 Resp: 1971

Ion Ratio Lower Upper

43 100

58 27.4 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

800

600

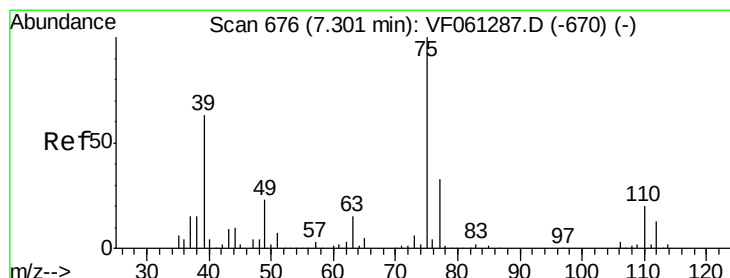
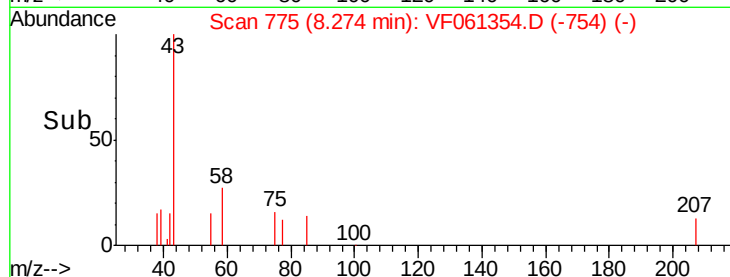
400

200

0

8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.155 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061354.D

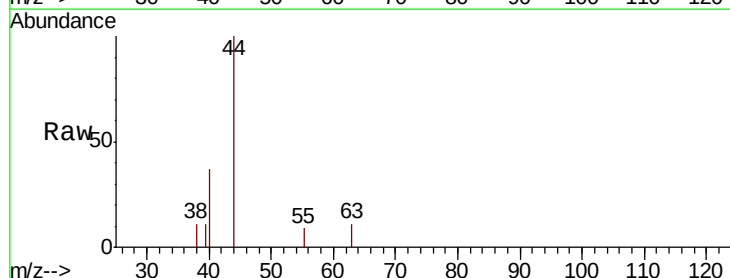
Acq: 10 Jan 2019 20:06

Tgt Ion: 63 Resp: 78

Ion Ratio Lower Upper

63 100

106 0.0 16.5 24.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.31

150

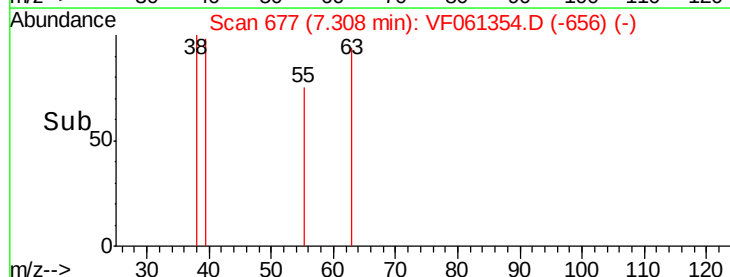
100

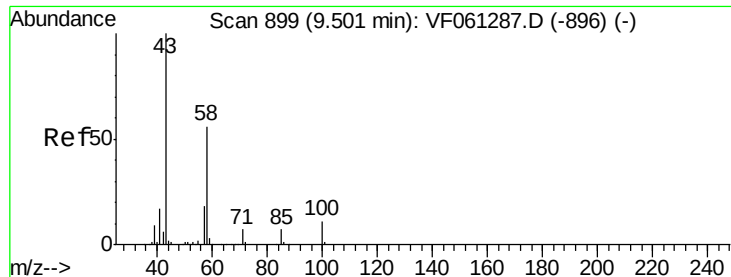
50

0

7.28 7.30 7.32 7.34

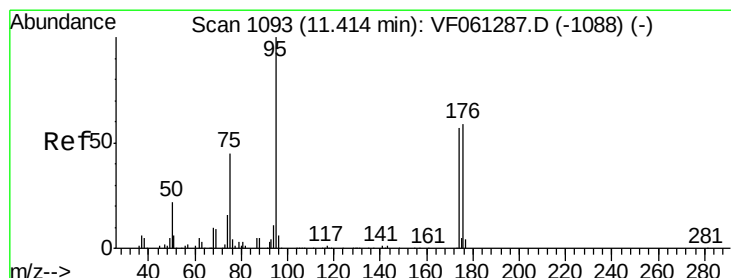
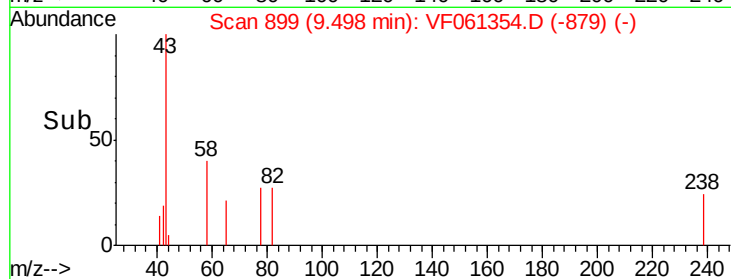
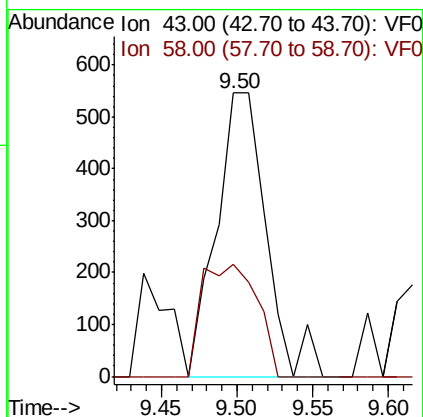
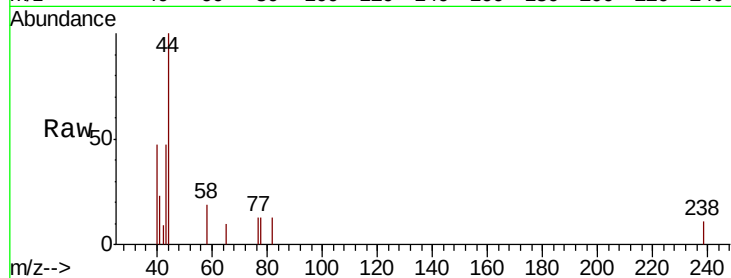
Time-->





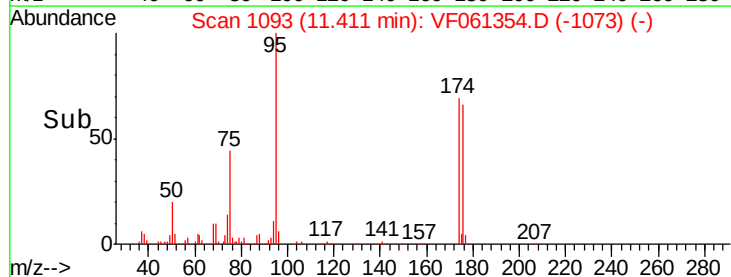
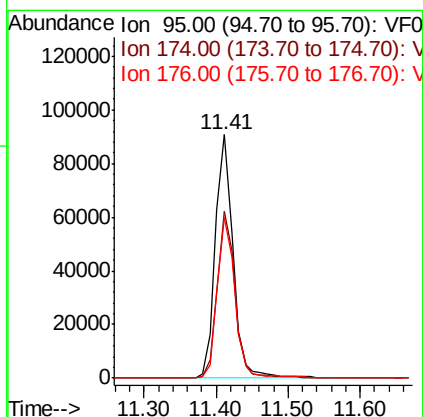
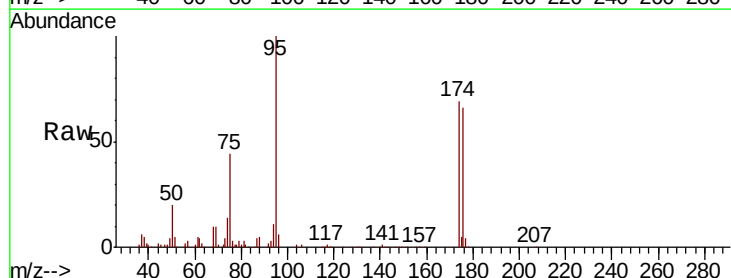
#59
2-Hexanone
Concen: 1.440 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

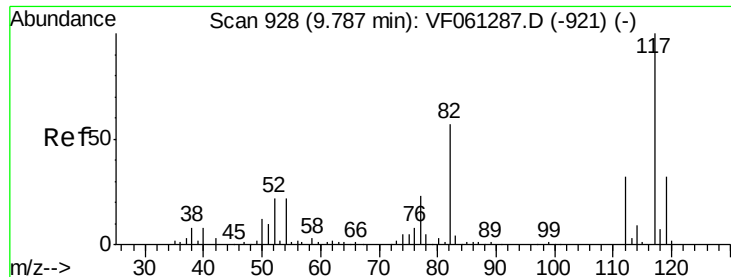
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 39.7 25.6 76.8



#62
4-Bromofluorobenzene
Concen: 53.532 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

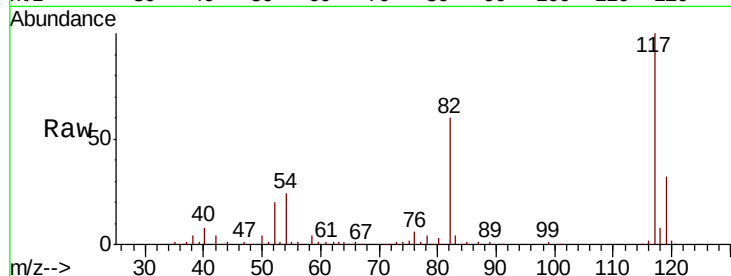
Tgt Ion: 95 Resp: 153017
Ion Ratio Lower Upper
95 100
174 68.7 0.0 114.2
176 65.7 0.0 117.8



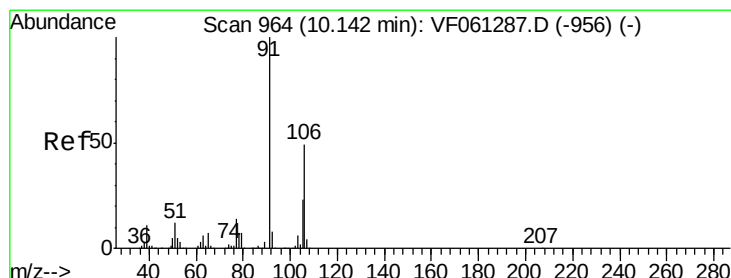
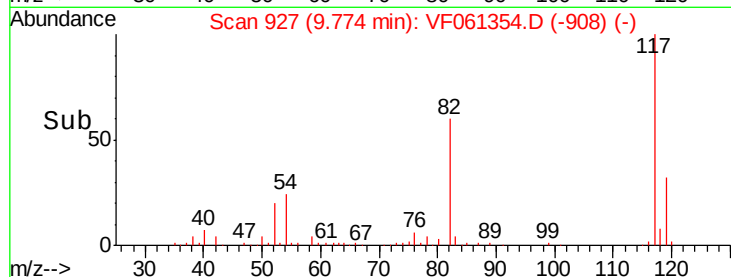
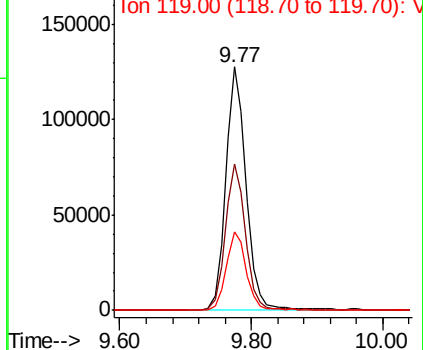


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

Tgt Ion:117 Resp: 276249
Ion Ratio Lower Upper
117 100
82 60.1 45.3 67.9
119 32.4 25.4 38.0

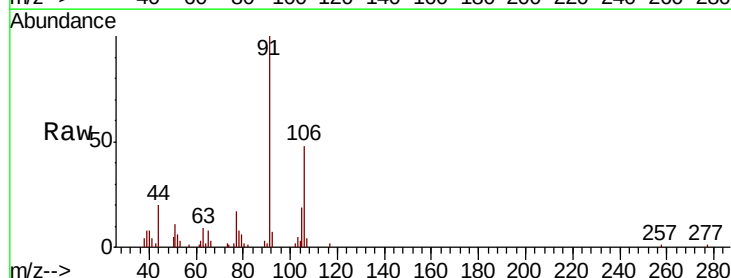


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

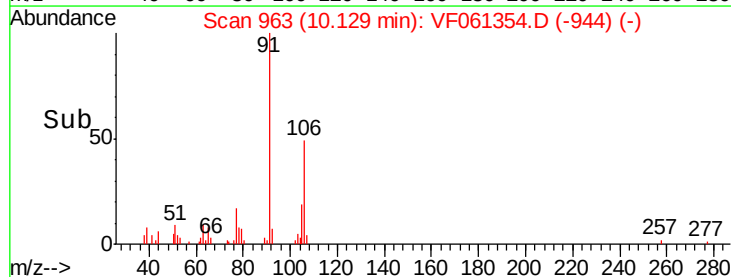
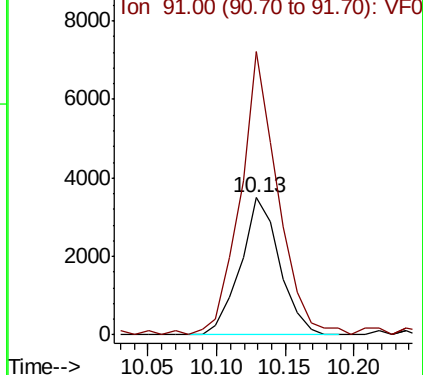


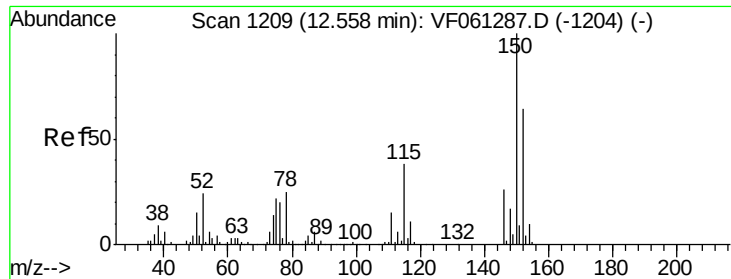
#68
m/p-Xylenes
Concen: 1.840 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061354.D
Acq: 10 Jan 2019 20:06

Tgt Ion:106 Resp: 6904
Ion Ratio Lower Upper
106 100
91 206.7 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

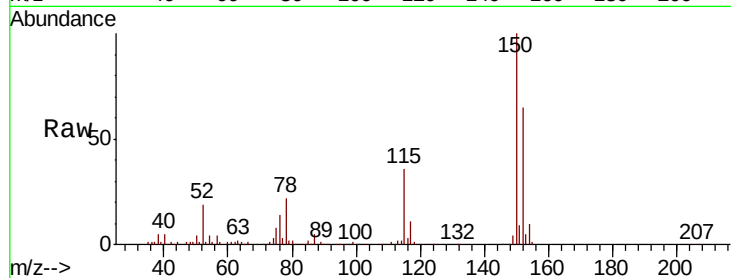




#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061354.D
 Acq: 10 Jan 2019 20:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	29.6	88.9
150	154.7	0.0	315.4



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

