

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061352.D
 Acq On : 10 Jan 2019 19:09
 Operator : VA/AP
 Sample : K1100-01
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 11 00:32:36 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	4.88	168	4353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	4834	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	3601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	1048	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	642	13.25	ug/l	0.00
Spiked Amount			Recovery	=	26.50%	
35) Dibromofluoromethane	4.11	113	1161	31.39	ug/l	0.00
Spiked Amount			Recovery	=	62.78%	
50) Toluene-d8	7.55	98	6286	57.43	ug/l	-0.01
Spiked Amount			Recovery	=	114.86%	
62) 4-Bromofluorobenzene	11.41	95	1799	37.64	ug/l	0.00
Spiked Amount			Recovery	=	75.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.00	62	65	1.017	ug/l #	43
5) Bromomethane	1.27	94	457	10.737	ug/l #	6
6) Chloroethane	1.50	64	70	2.243	ug/l #	1
8) Diethyl Ether	1.76	74	147	9.240	ug/l	93
11) Tert butyl alcohol	2.55	59	65	33.507	ug/l #	1
12) 1,1-Dichloroethene	1.76	96	67	1.465	ug/l #	1
13) Acrolein	1.95	56	467	218.726	ug/l	90
14) Allyl chloride	2.07	41	239	2.858	ug/l #	72
15) Acrylonitrile	2.95	53	362	52.640	ug/l #	29
16) Acetone	2.22	43	177	15.704	ug/l #	55
18) Methyl Acetate	2.37	43	865	39.007	ug/l #	65
20) Methylene Chloride	2.20	84	97	2.034	ug/l #	5
21) trans-1,2-Dichloroethene	2.43	96	90	1.857	ug/l #	1
22) Diisopropyl ether	2.81	45	459	2.838	ug/l #	54
23) Vinyl Acetate	3.16	43	675	14.269	ug/l #	77
24) 1,1-Dichloroethane	2.89	63	117	1.250	ug/l #	87
25) 2-Butanone	4.31	43	80	4.410	ug/l #	56
29) Tetrahydrofuran	4.06	42	61	8.042	ug/l #	36
30) Chloroform	3.86	83	130	1.094	ug/l #	16
37) Ethyl Acetate	4.12	43	114	5.546	ug/l #	1
41) Methacrylonitrile	4.76	41	137	11.934	ug/l #	24
42) 1,2-Dichloroethane	4.88	62	78	1.901	ug/l	76
43) Isopropyl Acetate	6.96	43	63	2.321	ug/l #	45
48) Methyl methacrylate	6.70	41	73	4.144	ug/l #	21
51) 4-Methyl-2-Pentanone	8.22	43	317	15.475	ug/l #	38
52) Toluene	7.63	92	136	1.606	ug/l	98
55) 1,1,2-Trichloroethane	8.43	97	69	2.911	ug/l #	15
56) Ethyl methacrylate	8.64	69	67	2.529	ug/l #	6
59) 2-Hexanone	9.52	43	158	10.887	ug/l #	27
67) Ethyl Benzene	9.90	91	3406	24.293	ug/l	90
68) m/p-Xylenes	10.14	106	3576	73.120	ug/l	97
69) o-Xylene	10.71	106	2223	40.691	ug/l	84
71) Bromoform	10.71	173	62	5.113	ug/l #	29
73) Isopropylbenzene	11.16	105	516	5.595	ug/l #	49

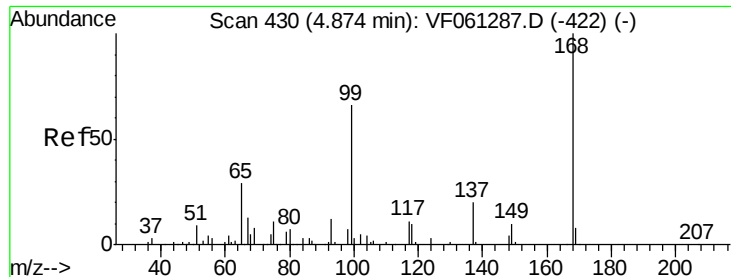
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061352.D
 Acq On : 10 Jan 2019 19:09
 Operator : VA/AP
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) N-amyl acetate	11.39	43	153	7.299	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	11.70	83	331	22.637	ug/l #	25
76) 1,2,3-Trichloropropane	11.65	75	65	6.061	ug/l #	40
78) n-propylbenzene	11.58	91	311	2.829	ug/l #	55
79) 2-Chlorotoluene	11.71	91	621	10.137	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.82	105	1149	15.658	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.01	75	76	16.217	ug/l #	17
82) 4-Chlorotoluene	11.92	91	420	6.747	ug/l #	42
83) tert-Butylbenzene	12.20	119	409	5.595	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.21	105	2422	33.245	ug/l	92
85) sec-Butylbenzene	12.30	105	288	2.767	ug/l #	57
86) p-Isopropyltoluene	12.48	119	154	1.819	ug/l #	1
89) n-Butylbenzene	12.81	91	343	3.943	ug/l #	61
90) Hexachloroethane	12.83	117	60	3.098	ug/l #	23
91) 1,2-Dichlorobenzene	12.87	146	60	1.755	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.34	180	62	2.635	ug/l #	12
95) Naphthalene	14.47	128	895	20.181	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.61	180	85	3.834	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061352.D

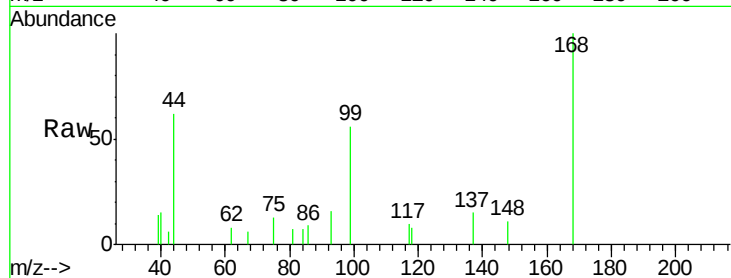
Acq: 10 Jan 2019 19:09

Tot Ion:168 Resp: 4353

Ion Ratio Lower Upper

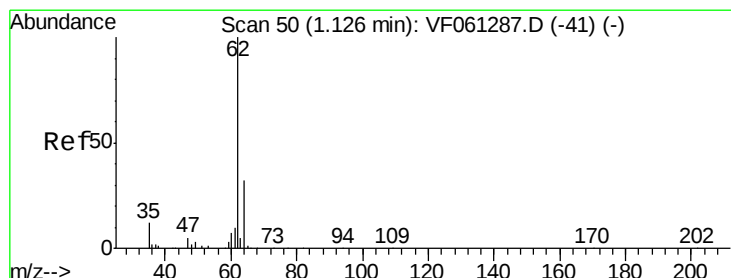
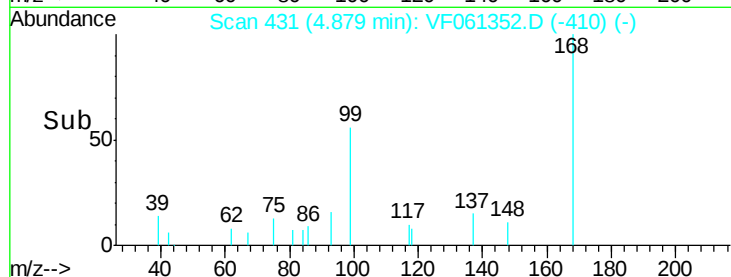
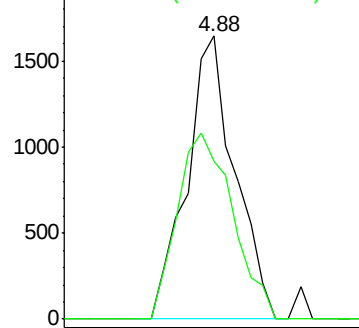
168 100

99 55.9 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#4

Vinyl Chloride

Concen: 1.017 ug/l

RT: 1.00 min Scan# 38

Delta R.T. -0.12 min

Lab File: VF061352.D

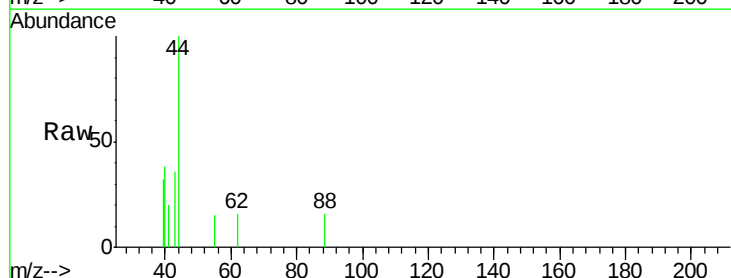
Acq: 10 Jan 2019 19:09

Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

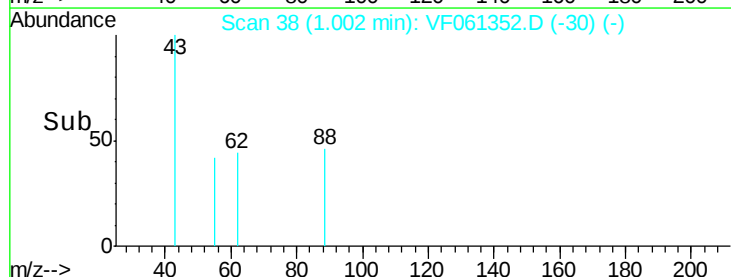
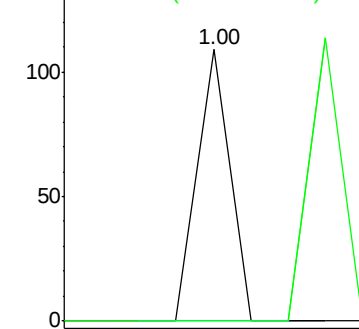
62 100

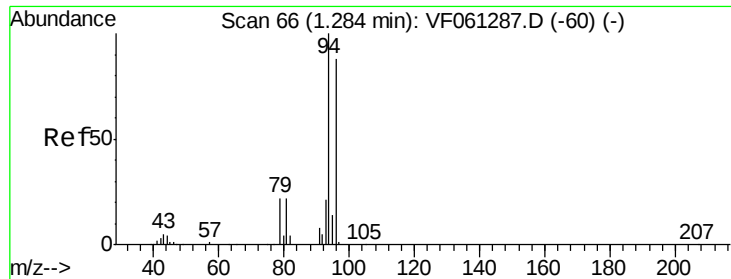
64 0.0 25.4 38.0#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 10.737 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061352.D

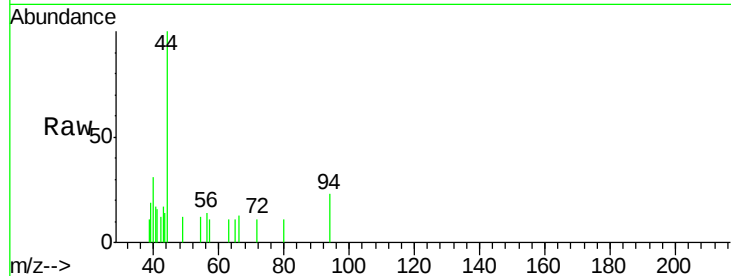
Acq: 10 Jan 2019 19:09

Tot Ion: 94 Resp: 457

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

1.27

200

150

100

50

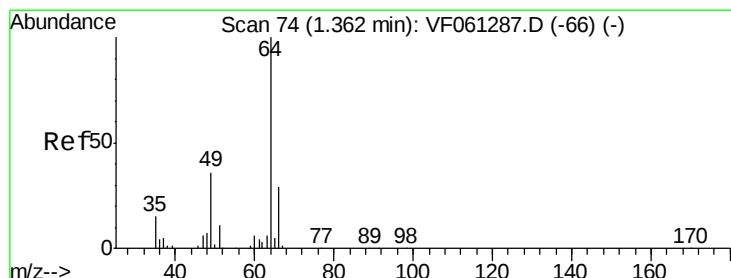
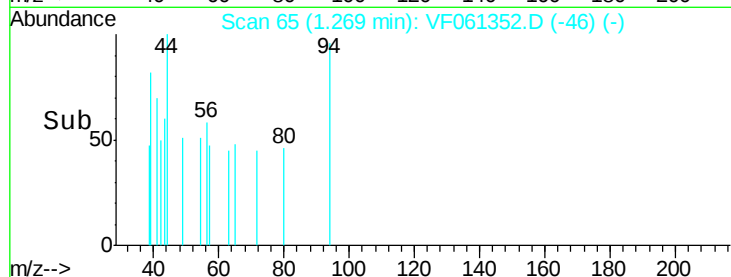
0

1.25

1.30

1.35

Time-->



#6

Chloroethane

Concen: 2.243 ug/l

RT: 1.50 min Scan# 88

Delta R.T. 0.13 min

Lab File: VF061352.D

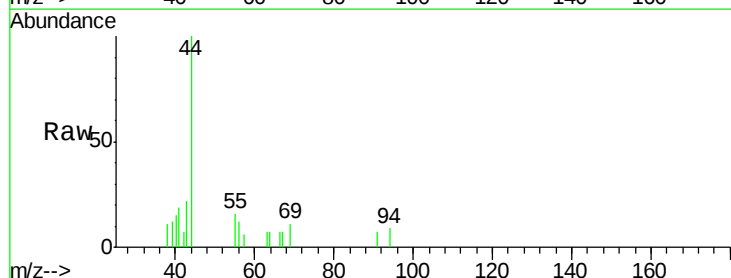
Acq: 10 Jan 2019 19:09

Tgt Ion: 64 Resp: 70

Ion Ratio Lower Upper

64 100

66 97.5 23.4 35.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

150

100

50

0

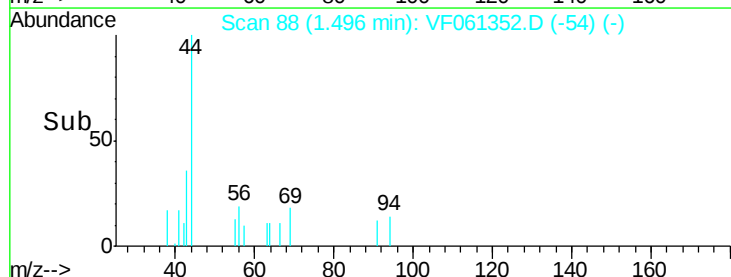
1.46

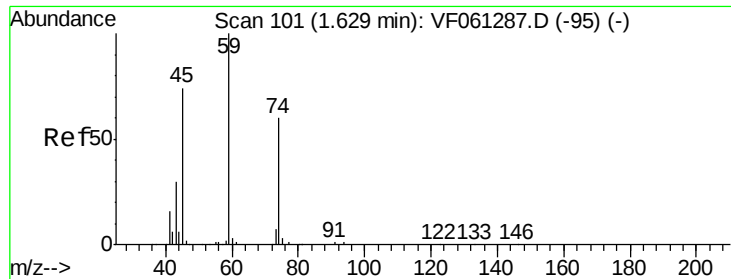
1.48

1.50

1.52

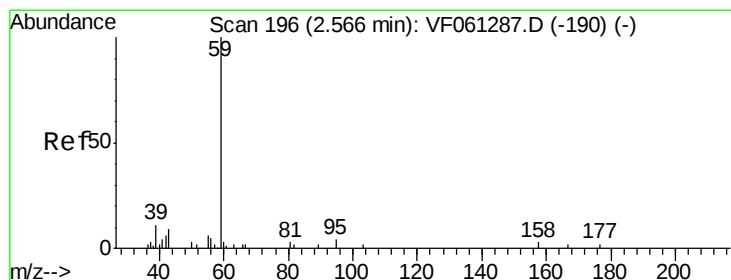
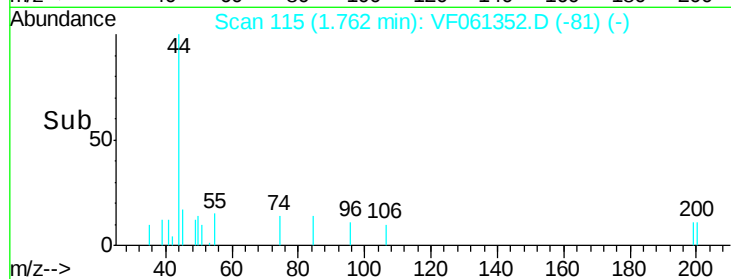
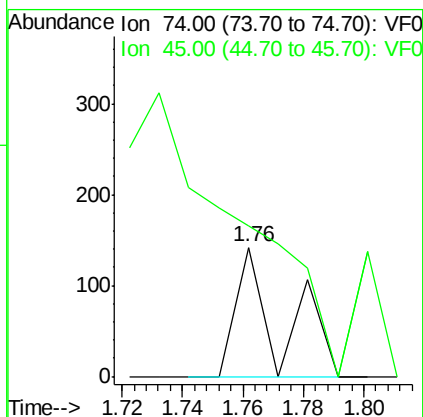
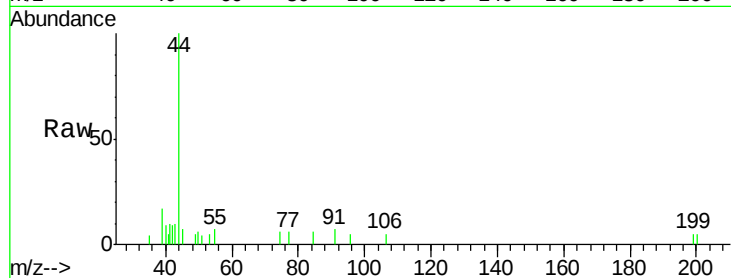
Time-->





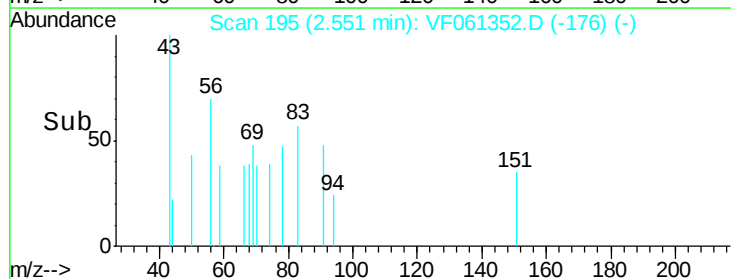
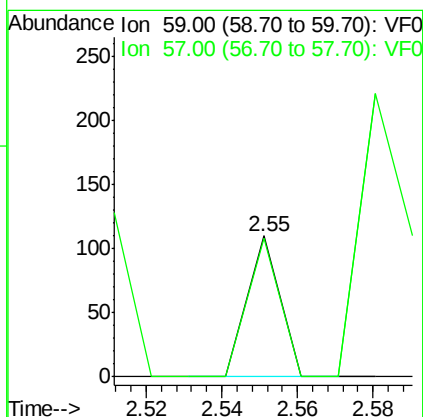
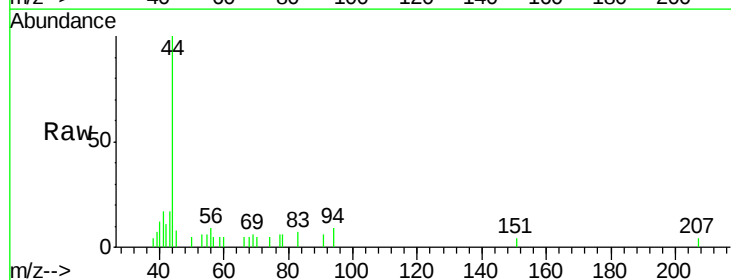
#8
Diethyl Ether
Concen: 9.240 ug/l
RT: 1.76 min Scan# 115
Delta R.T. 0.13 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

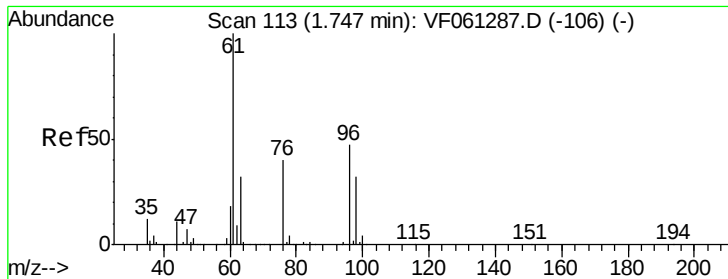
Tot Ion: 74 Resp: 147
Ion Ratio Lower Upper
74 100
45 116.2 62.1 186.3



#11
Tert butyl alcohol
Concen: 33.507 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 98.2 15.1 22.7#





#12

1,1-Dichloroethene

Concen: 1.465 ug/l

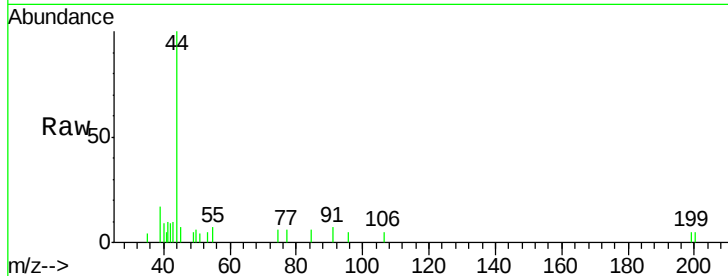
RT: 1.76 min Scan# 115

Delta R.T. 0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

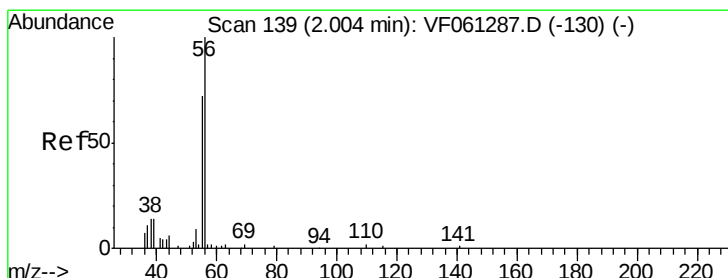
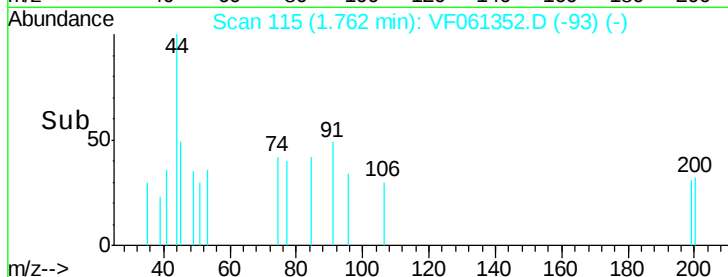
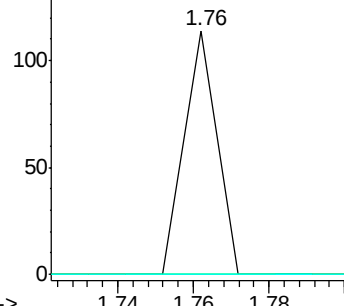
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	171.8	257.8#
98	0.0	54.2	81.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 218.726 ug/l

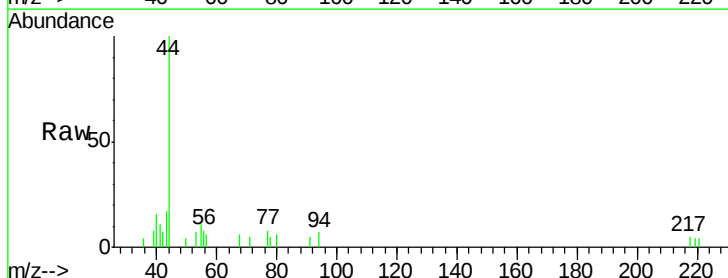
RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF061352.D

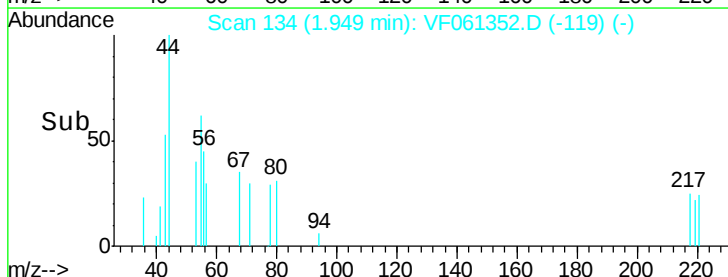
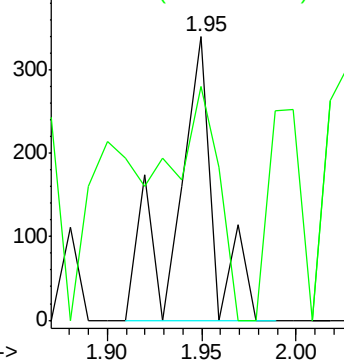
Acq: 10 Jan 2019 19:09

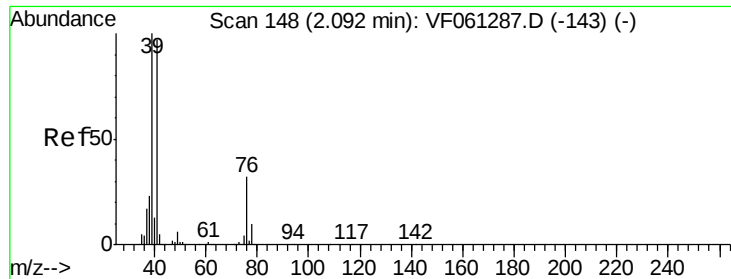
Tgt Ion	Ratio	Lower	Upper
56	100		
55	82.4	59.4	89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

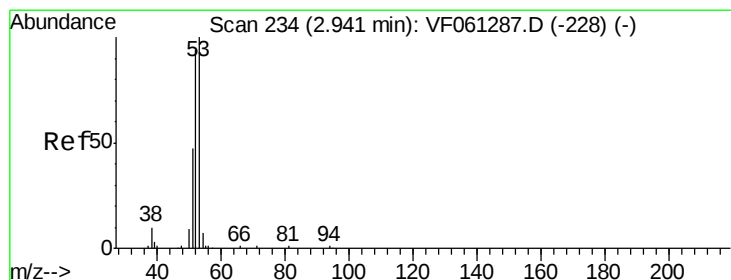
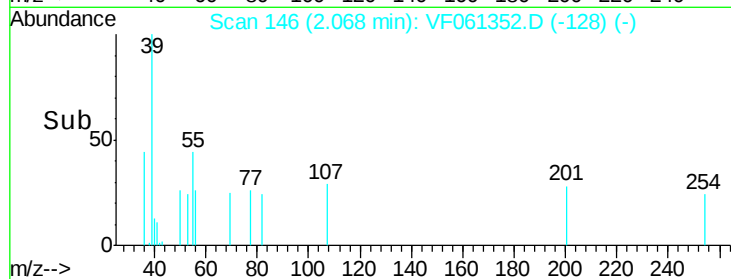
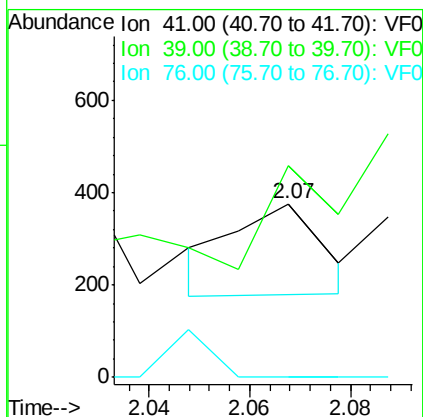
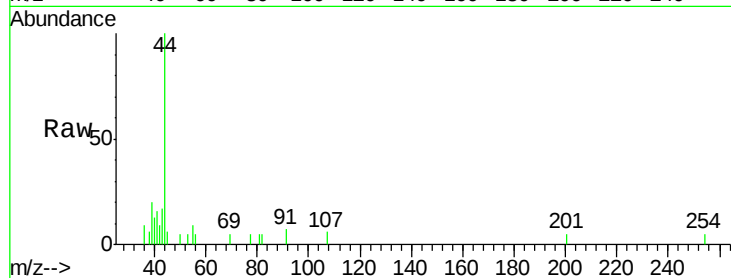
Ion 55.00 (54.70 to 55.70): VF0





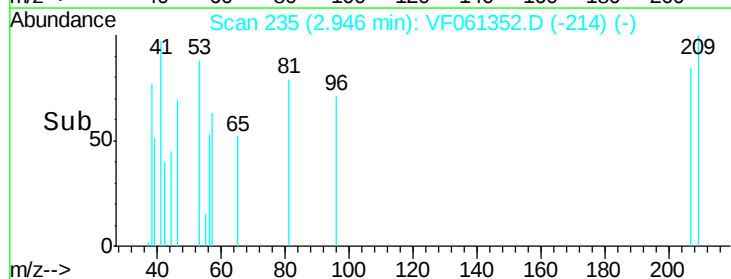
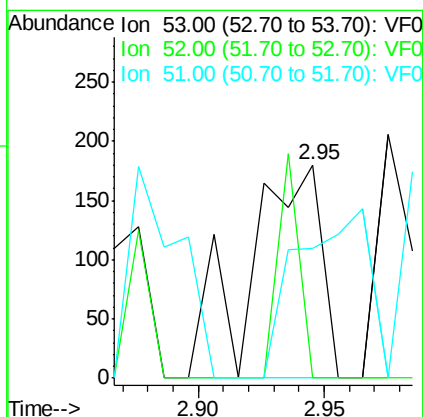
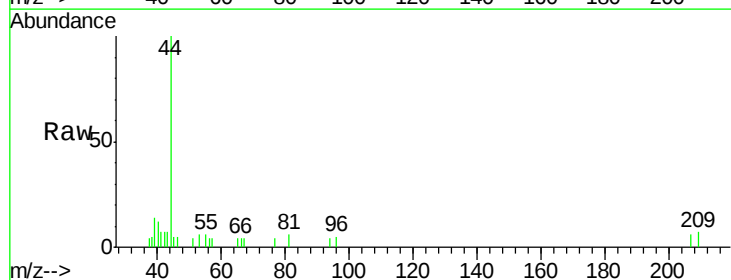
#14
Allvl chloride
Concen: 2.858 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.02 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

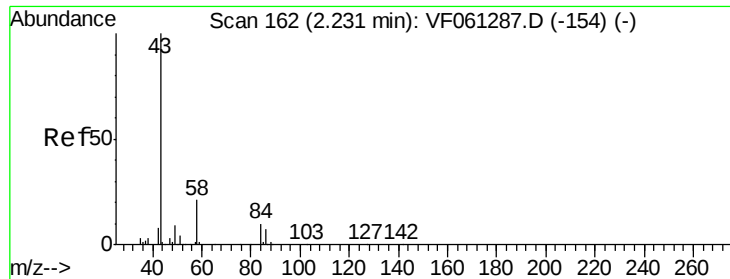
Tot Ion: 41 Resp: 239
Ion Ratio Lower Upper
41 100
39 121.5 82.6 123.8
76 0.0 26.9 40.3#



#15
Acrylonitrile
Concen: 52.640 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.00 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion: 53 Resp: 362
Ion Ratio Lower Upper
53 100
52 0.0 74.6 111.8#
51 61.1 37.8 56.6#





#16

Acetone

Concen: 15.704 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061352.D

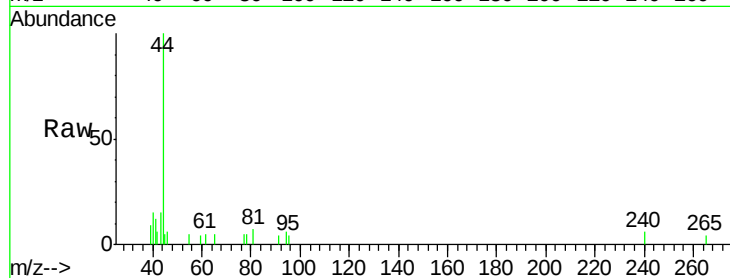
Acq: 10 Jan 2019 19:09

Tot Ion: 43 Resp: 177

Ion Ratio Lower Upper

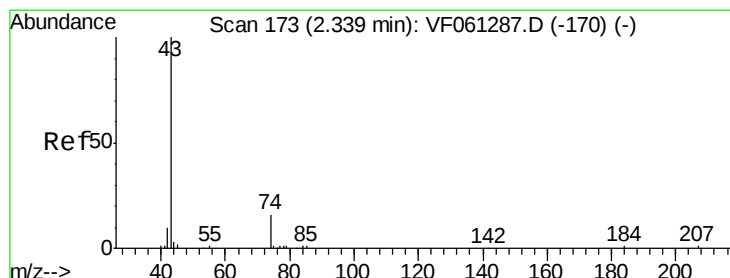
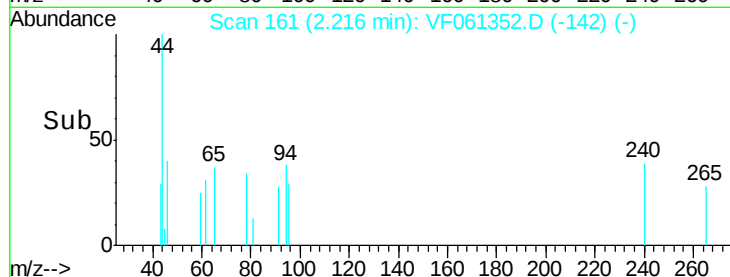
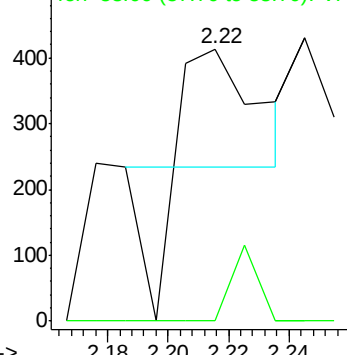
43 100

58 0.0 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: 39.007 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.03 min

Lab File: VF061352.D

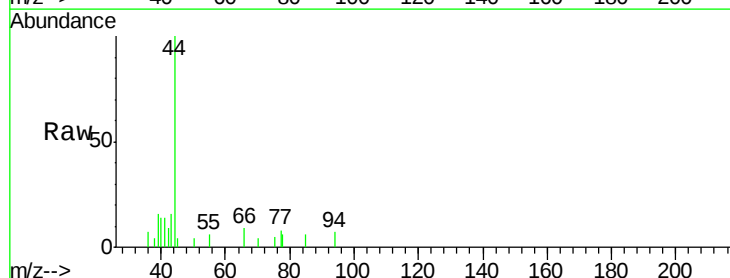
Acq: 10 Jan 2019 19:09

Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

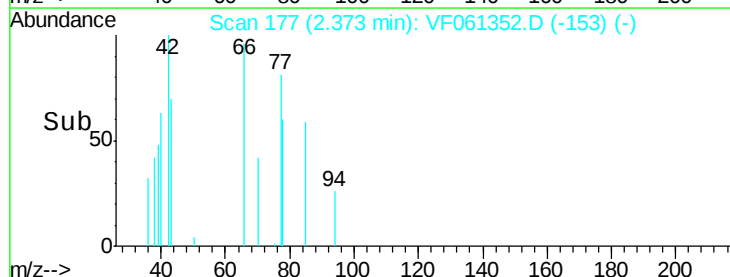
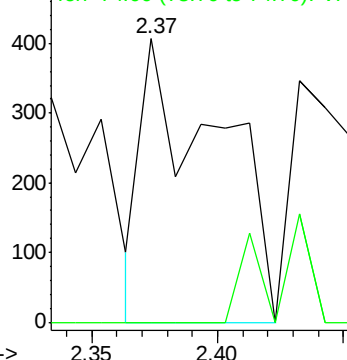
43 100

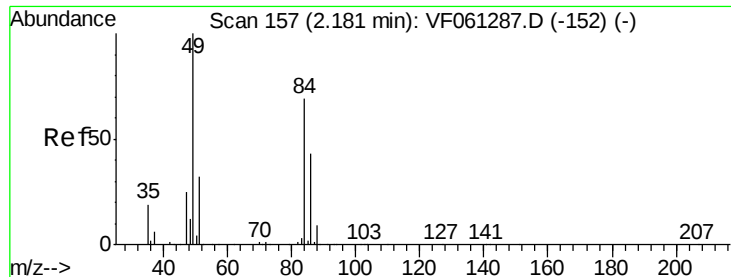
74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#20

Methylene Chloride

Concen: 2.034 ug/l

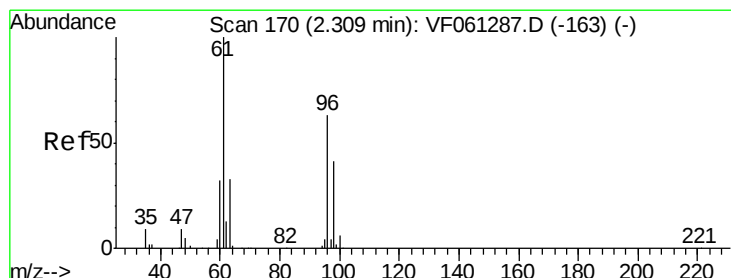
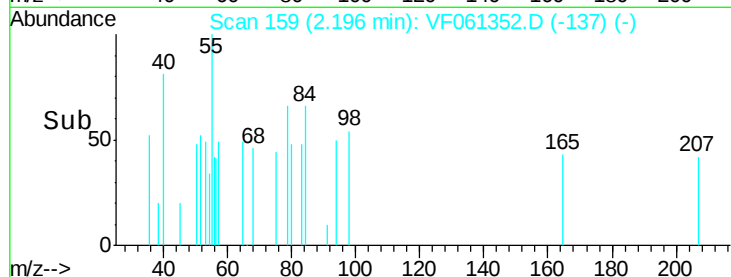
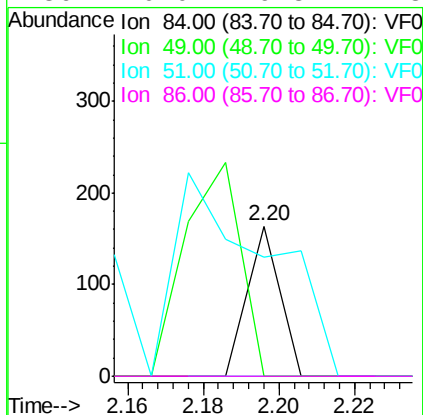
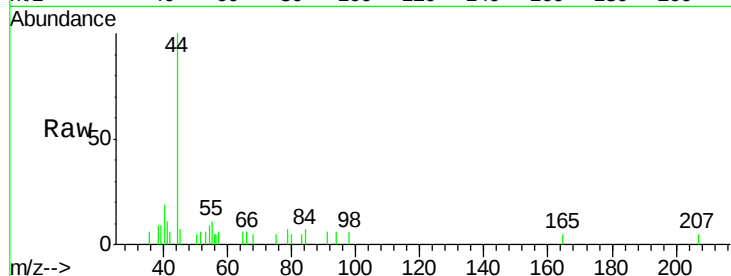
RT: 2.20 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tot Ion:	84	Resp:	97
Ion	Ratio	Lower	Upper
84	100		
49	0.0	116.6	175.0#
51	79.3	37.7	56.5#
86	0.0	49.8	74.8#



#21

trans-1,2-Dichloroethene

Concen: 1.857 ug/l

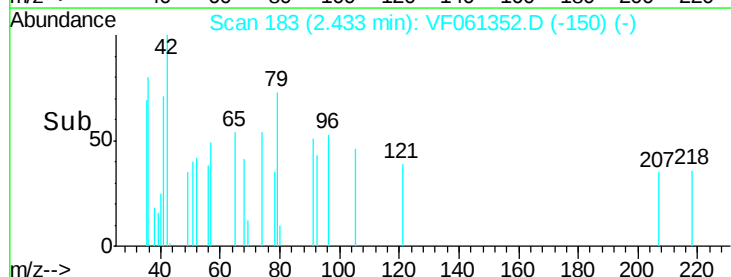
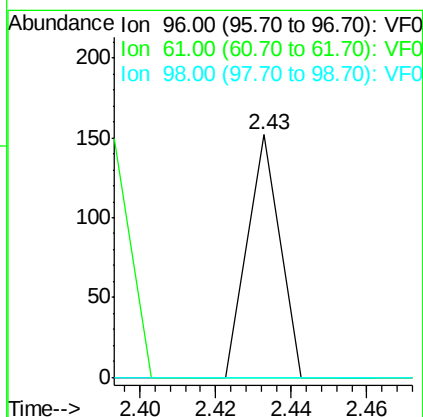
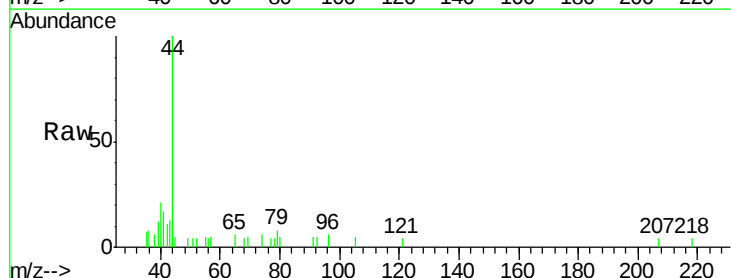
RT: 2.43 min Scan# 183

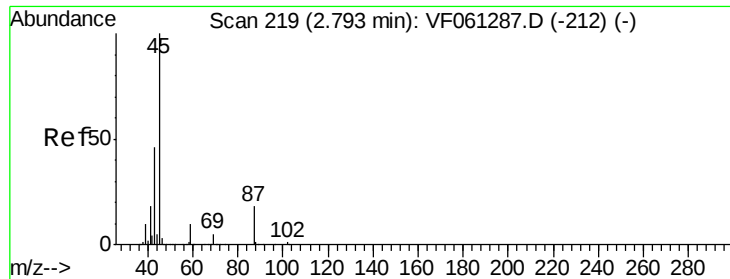
Delta R.T. 0.12 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

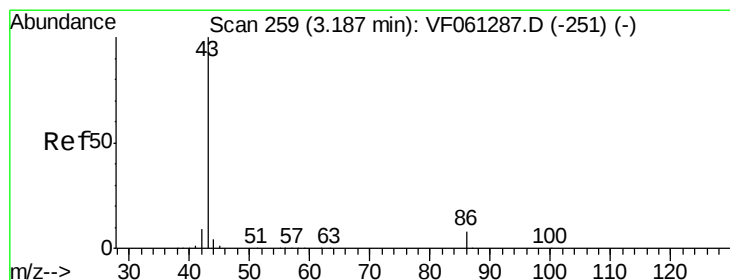
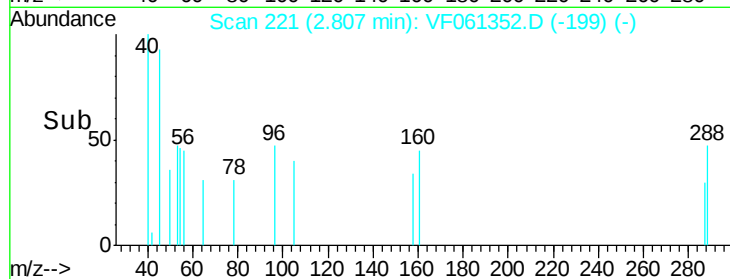
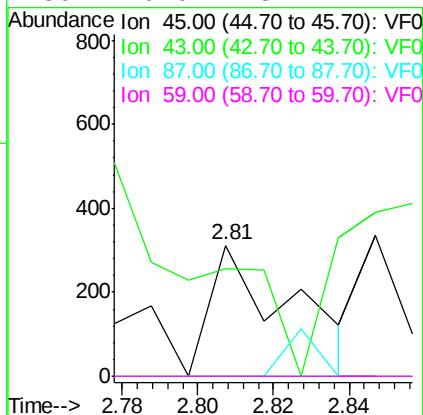
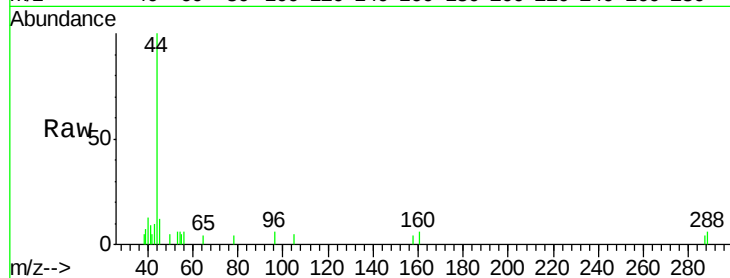
Tgt Ion:	96	Resp:	90
Ion	Ratio	Lower	Upper
96	100		
61	0.0	127.0	190.4#
98	0.0	51.7	77.5#





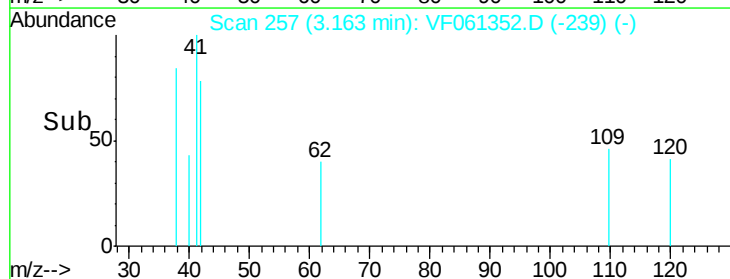
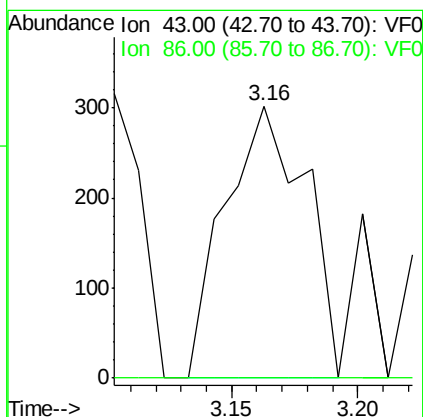
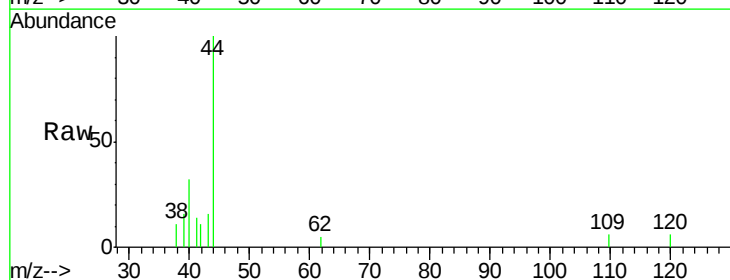
#22
Diisopropyl ether
Concen: 2.838 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

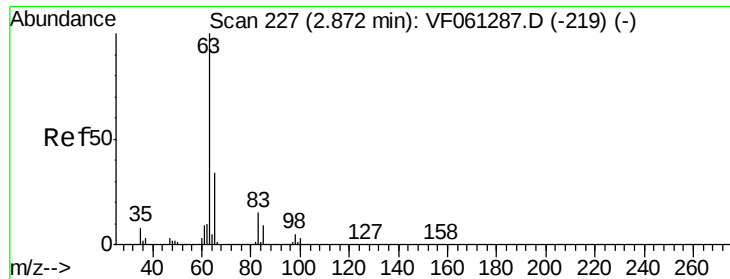
Tot Ion: 45 Resp: 459
Ion Ratio Lower Upper
45 100
43 81.7 37.4 56.2#
87 0.0 14.2 21.2#
59 0.0 8.2 12.2#



#23
Vinyl Acetate
Concen: 14.269 ug/l
RT: 3.16 min Scan# 257
Delta R.T. -0.02 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#





#24

1,1-Dichloroethane

Concen: 1.250 ug/l

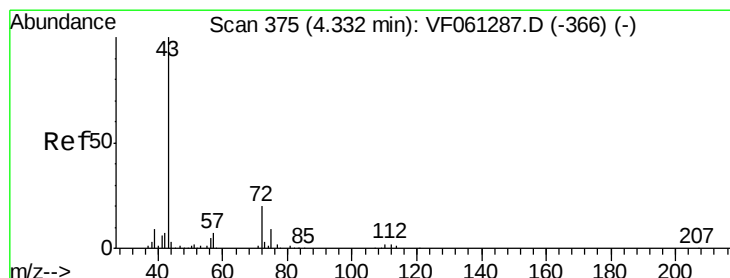
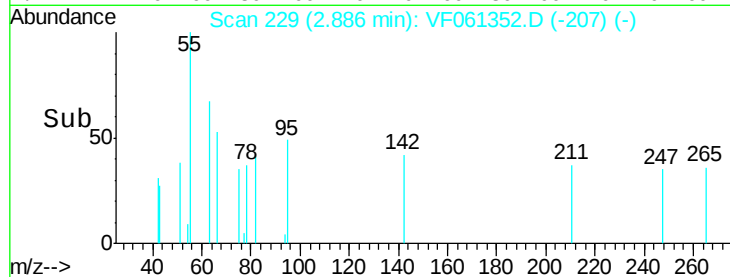
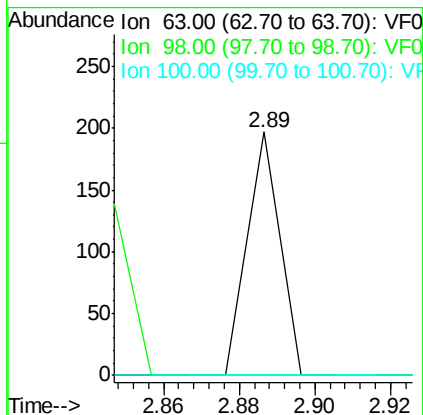
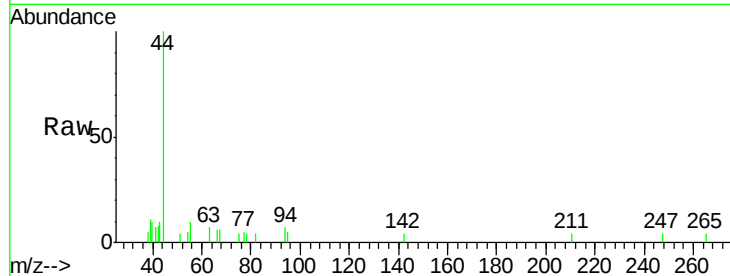
RT: 2.89 min Scan# 229

Delta R.T. 0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tot Ion:	63	Resp:	117
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.6#
100	0.0	1.7	5.0#



#25

2-Butanone

Concen: 4.410 ug/l

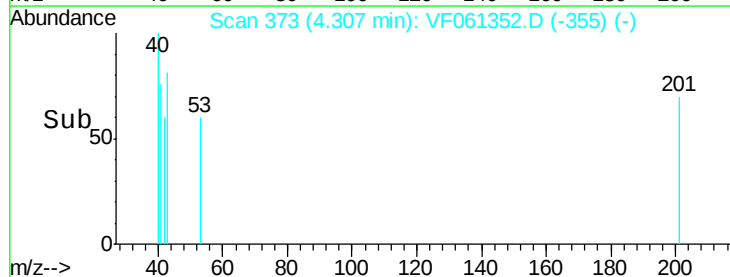
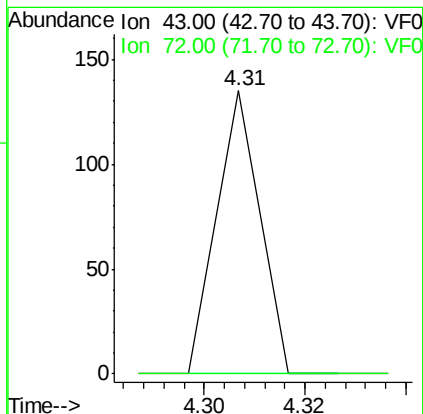
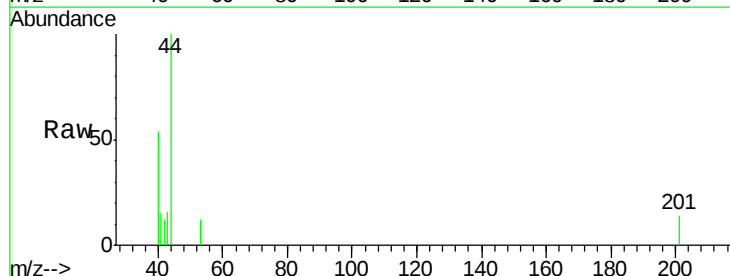
RT: 4.31 min Scan# 373

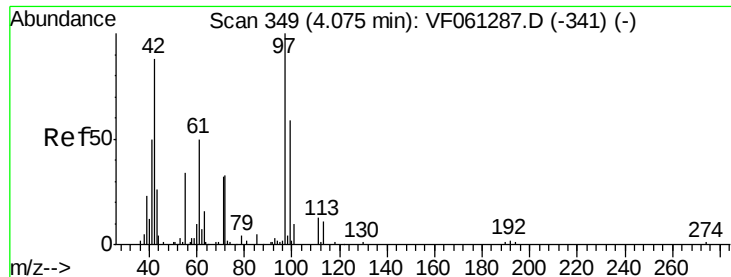
Delta R.T. -0.02 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tgt Ion:	43	Resp:	80
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#





#29

Tetrahydrofuran

Concen: 8.042 ug/l

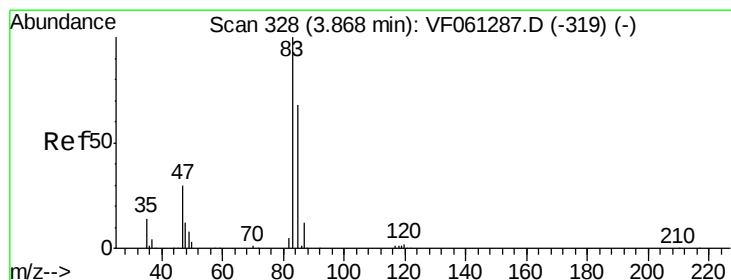
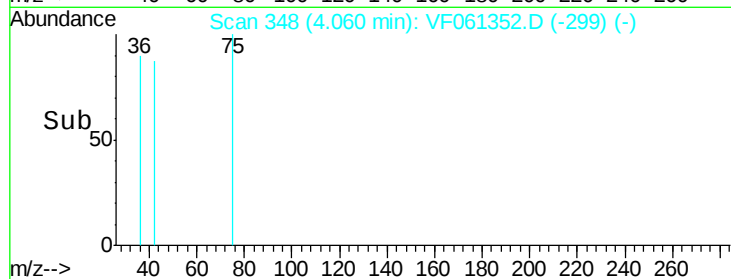
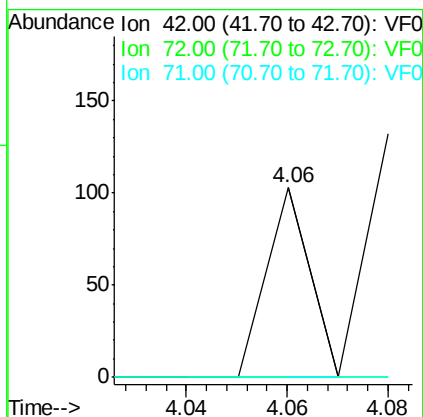
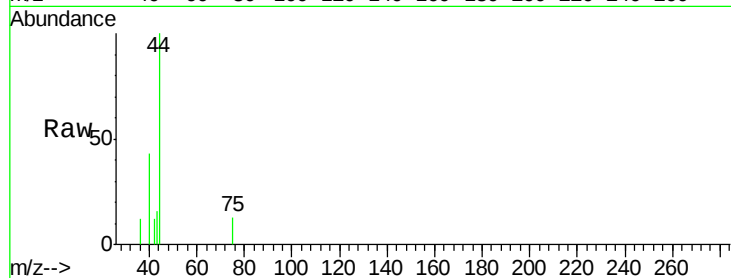
RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tot Ion:	42	Resp:	61
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#



#30

Chloroform

Concen: 1.094 ug/l

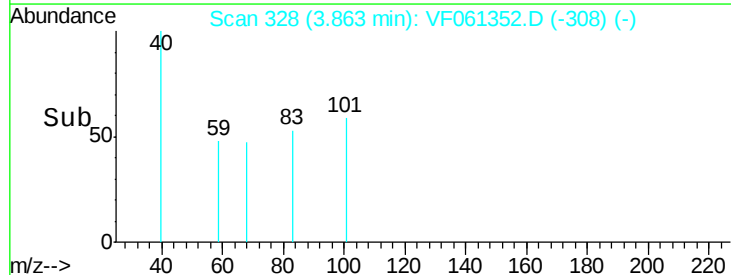
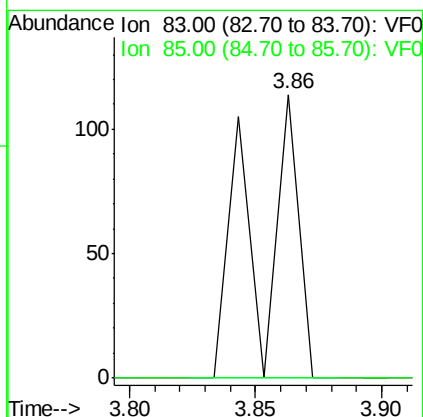
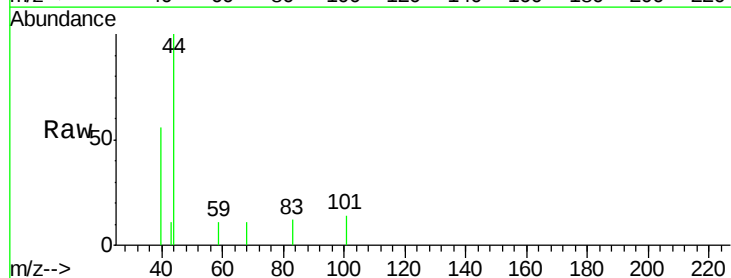
RT: 3.86 min Scan# 328

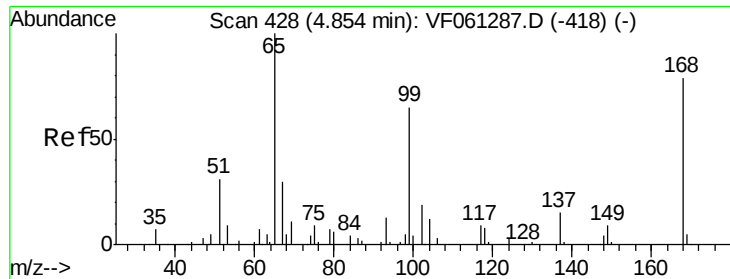
Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

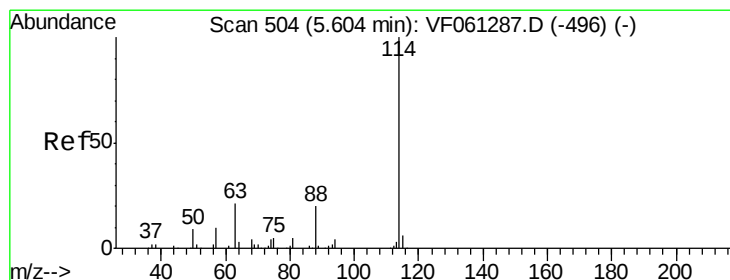
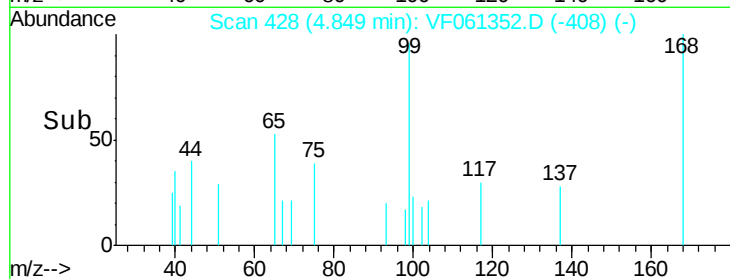
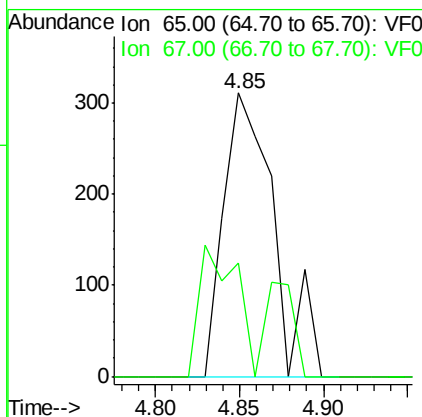
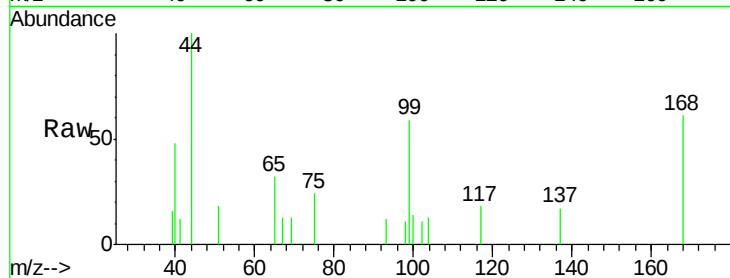
Tgt Ion:	83	Resp:	130
Ion	Ratio	Lower	Upper
83	100		
85	0.0	54.4	81.6#





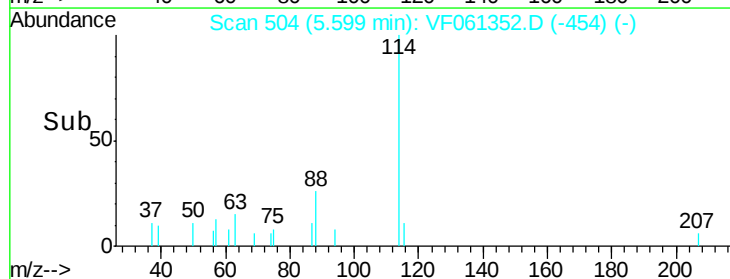
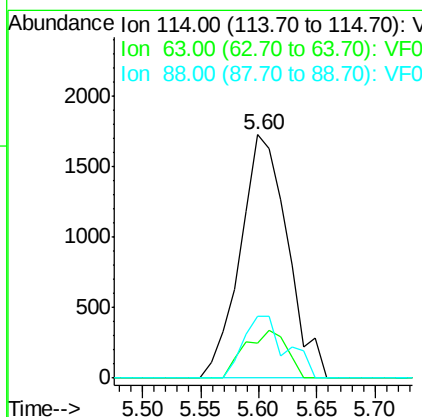
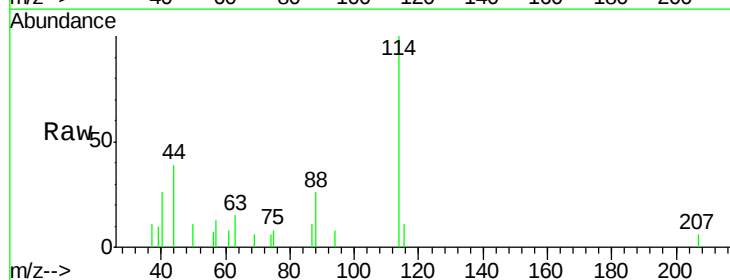
#33
 1,2-Dichloroethane-d4
 Concen: 13.250 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061352.D
 Acq: 10 Jan 2019 19:09

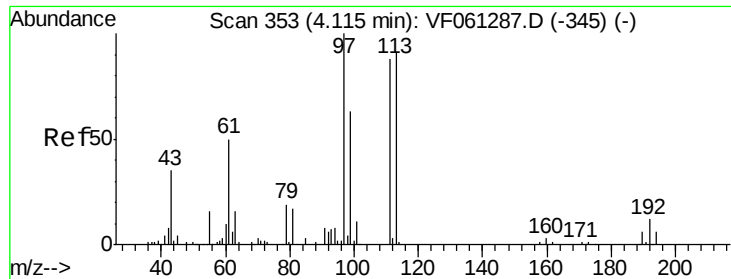
Tot Ion: 65 Resp: 642
 Ion Ratio Lower Upper
 65 100
 67 40.2 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061352.D
 Acq: 10 Jan 2019 19:09

Tgt Ion: 114 Resp: 4834
 Ion Ratio Lower Upper
 114 100
 63 14.5 0.0 42.8
 88 25.5 0.0 40.0





#35

Dibromofluoromethane

Concen: 31.388 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

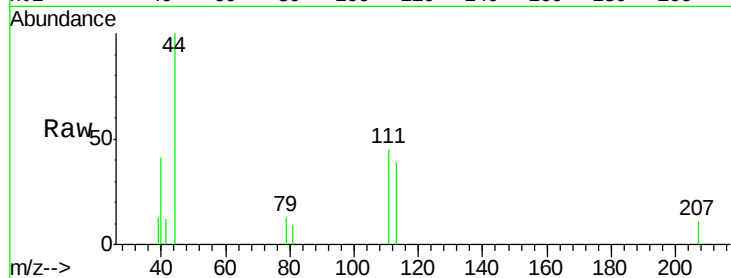
Tot Ion:113 Resp: 1161

Ion Ratio Lower Upper

113 100

111 115.2 78.0 117.0

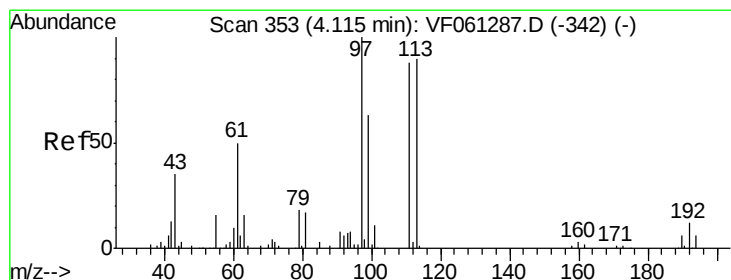
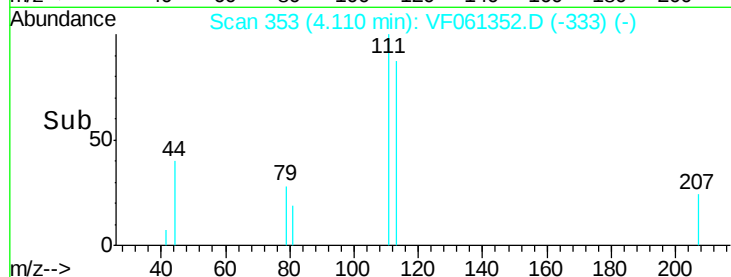
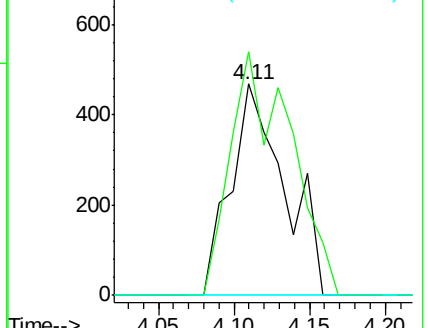
192 0.0 10.6 16.0#



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



#37

Ethyl Acetate

Concen: 5.546 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

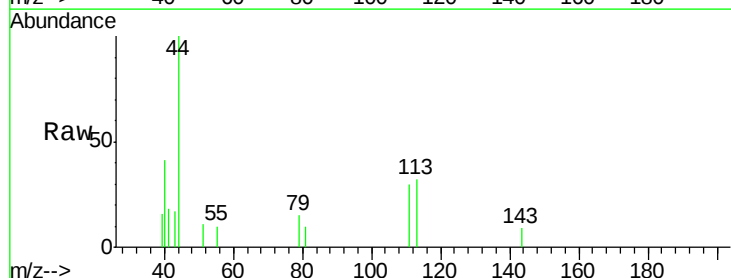
Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

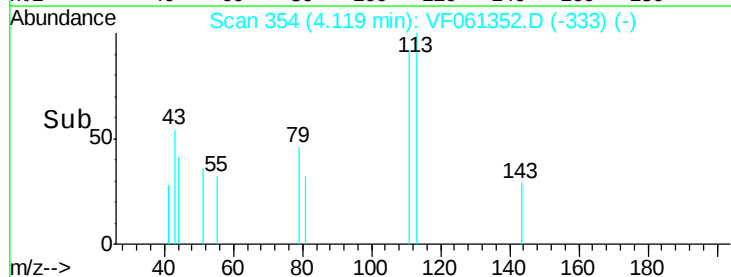
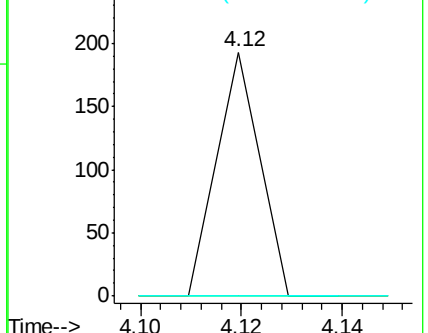
70 0.0 9.4 14.0#

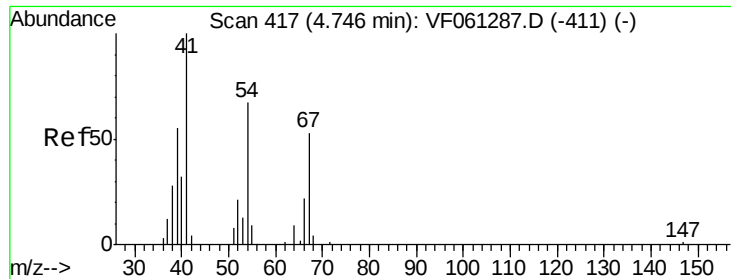


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

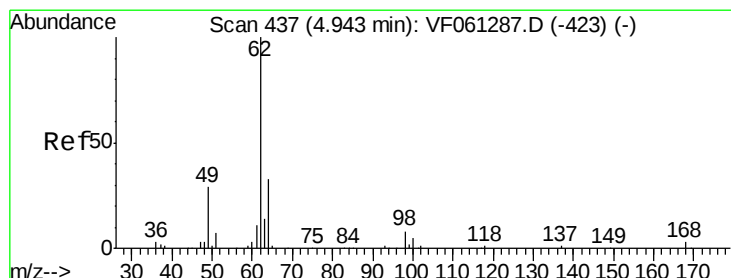
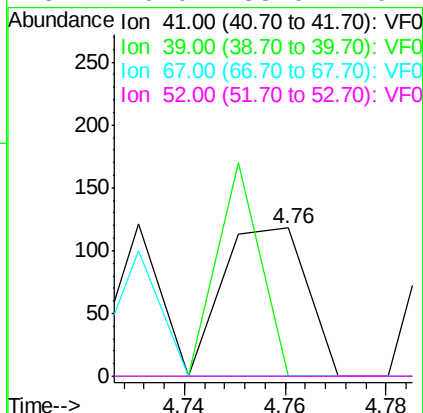
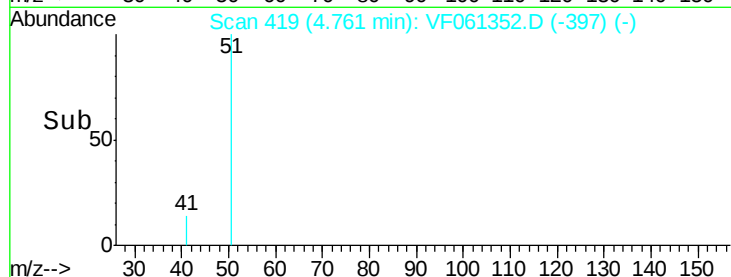
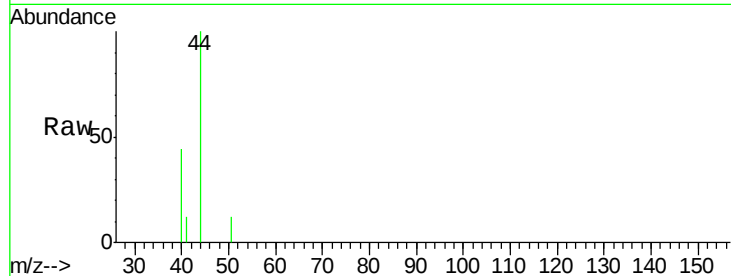
Ion 70.00 (69.70 to 70.70): VF0





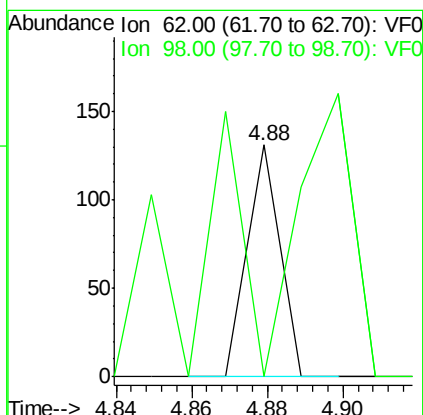
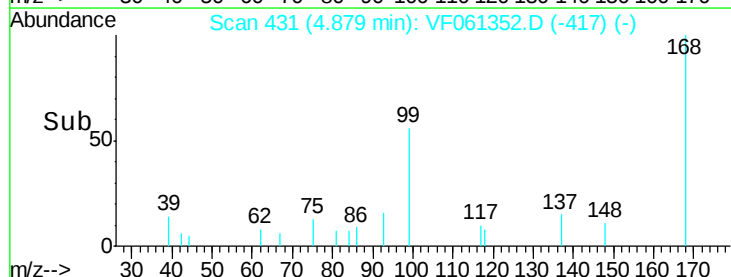
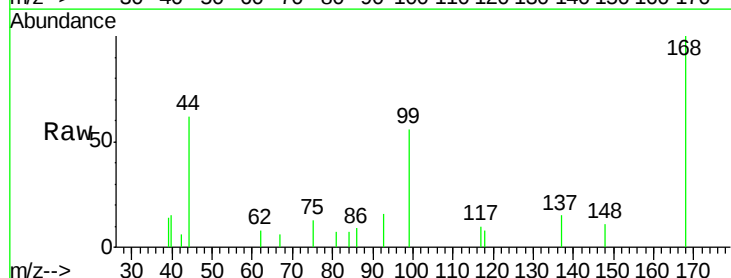
#41
Methacrylonitrile
Concen: 11.934 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

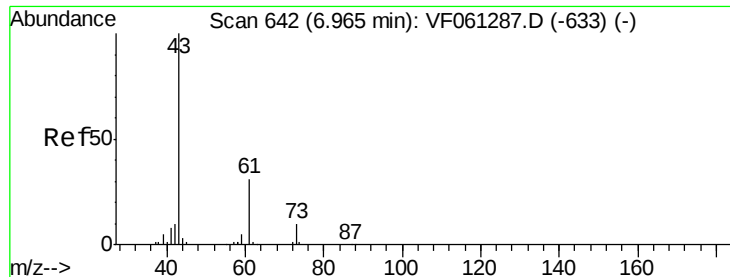
Tot Ion:	41	Resp:	137
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.7	79.1#
67	0.0	41.4	62.2#
52	0.0	33.0	49.4#



#42
1,2-Dichloroethane
Concen: 1.901 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.06 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion:	62	Resp:	78
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 2.321 ug/l

RT: 6.96 min Scan# 642

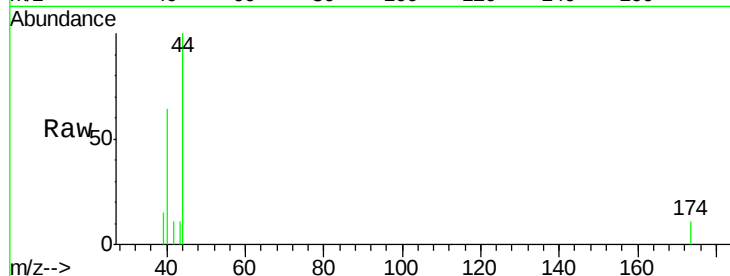
Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tot Ion: 43 Resp: 63

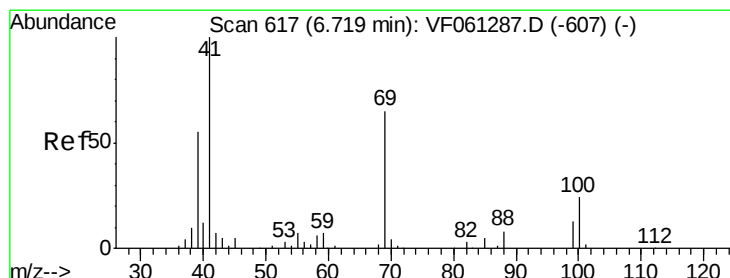
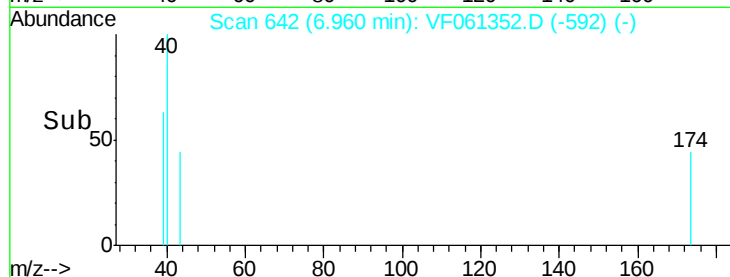
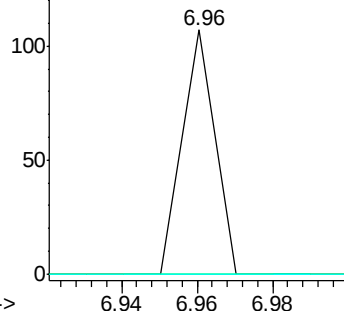
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.3	36.5#
87	0.0	0.2	0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 4.144 ug/l

RT: 6.70 min Scan# 616

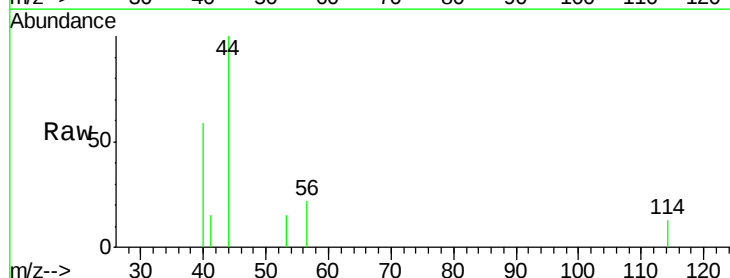
Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tgt Ion: 41 Resp: 73

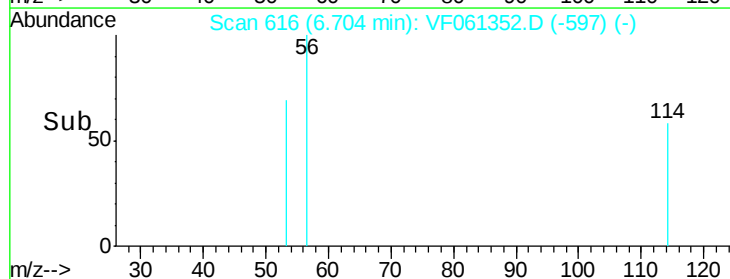
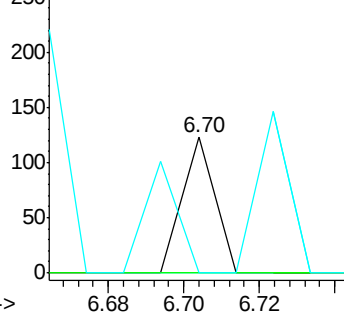
Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.5	77.3#
39	0.0	44.1	66.1#

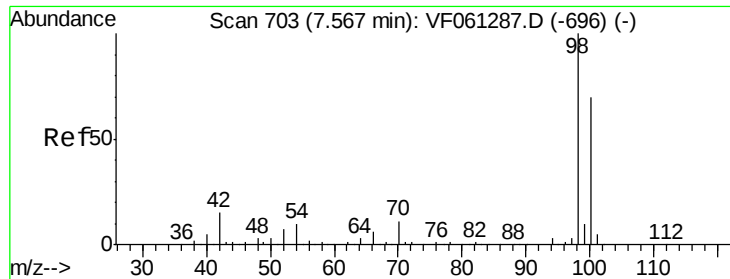


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 57.429 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061352.D

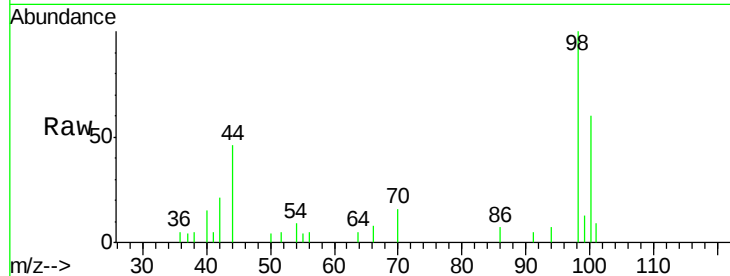
Acq: 10 Jan 2019 19:09

Tot Ion: 98 Resp: 6286

Ion Ratio Lower Upper

98 100

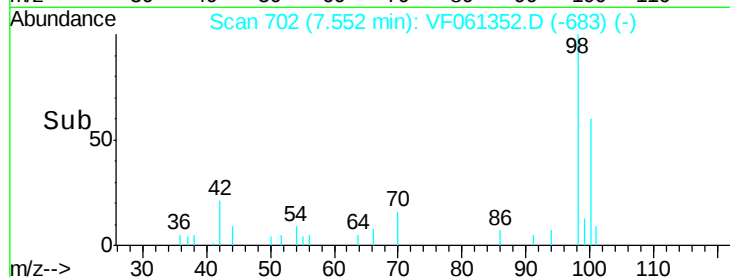
100 59.6 55.6 83.4



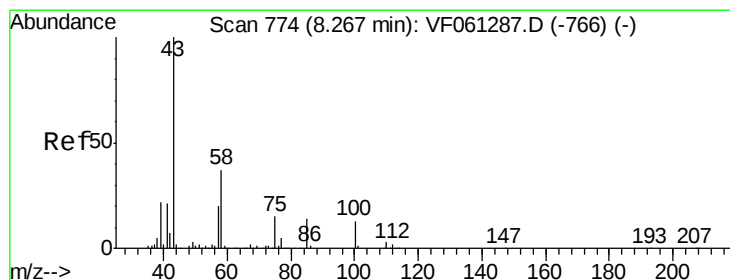
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Time-->



Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.475 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061352.D

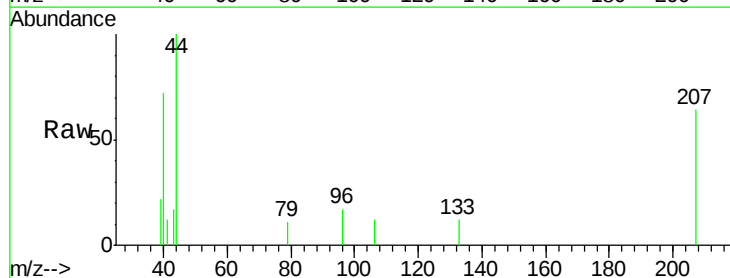
Acq: 10 Jan 2019 19:09

Tgt Ion: 43 Resp: 317

Ion Ratio Lower Upper

43 100

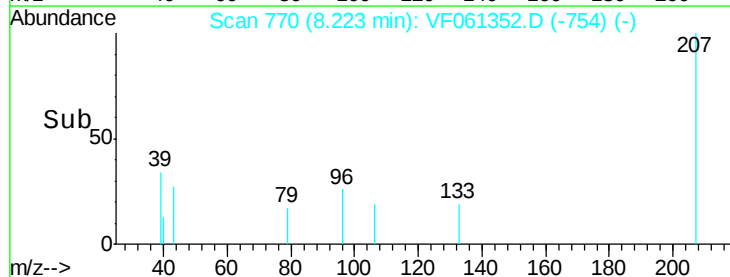
58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

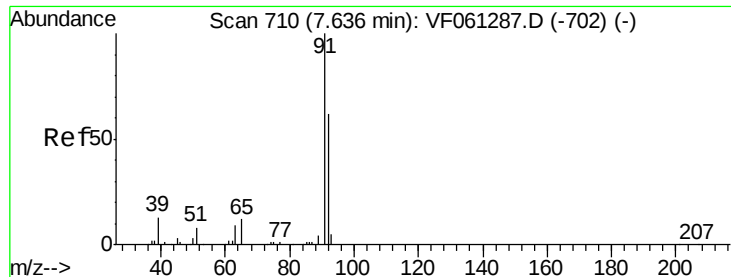
Ion 58.00 (57.70 to 58.70): VF0

Time-->



Time-->

Time-->



#52

Toluene

Concen: 1.606 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF061352.D

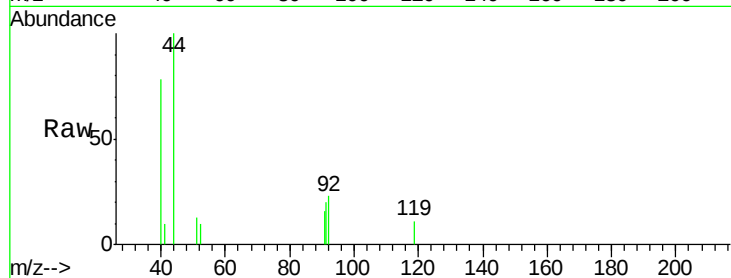
Acq: 10 Jan 2019 19:09

Tot Ion: 92 Resp: 136

Ion Ratio Lower Upper

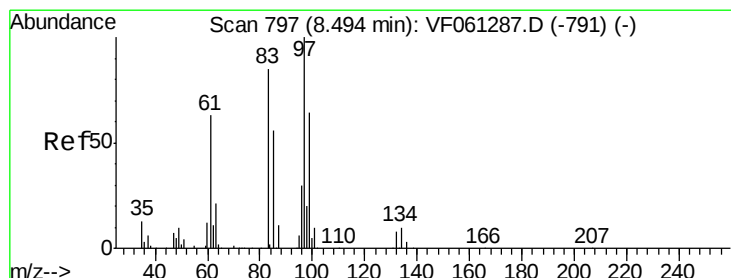
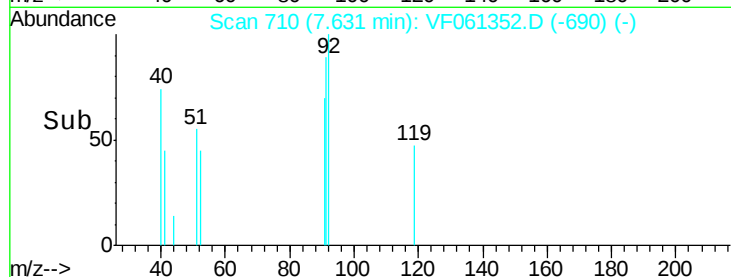
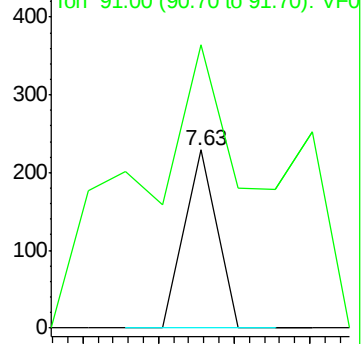
92 100

91 159.0 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#55

1,1,2-Trichloroethane

Concen: 2.911 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.06 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tgt Ion: 97 Resp: 69

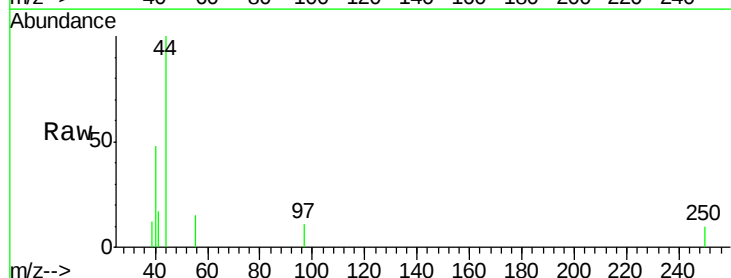
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.6#

85 0.0 45.1 67.7#

99 0.0 51.0 76.6#

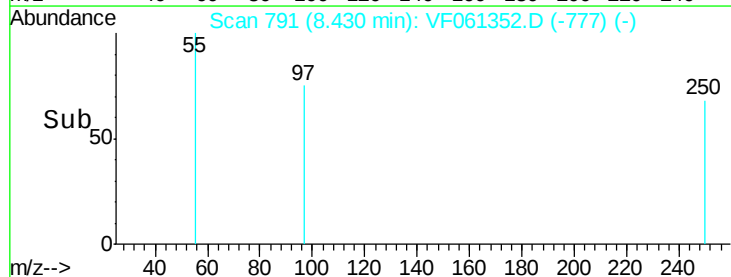
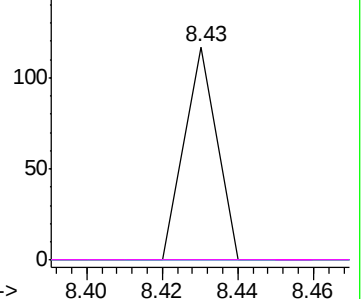


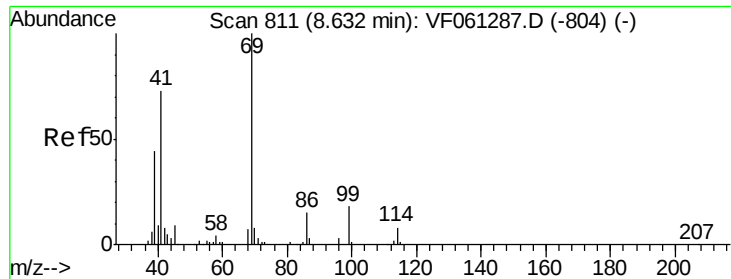
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 2.529 ug/l

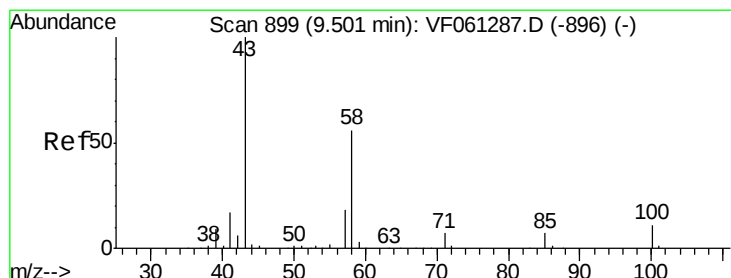
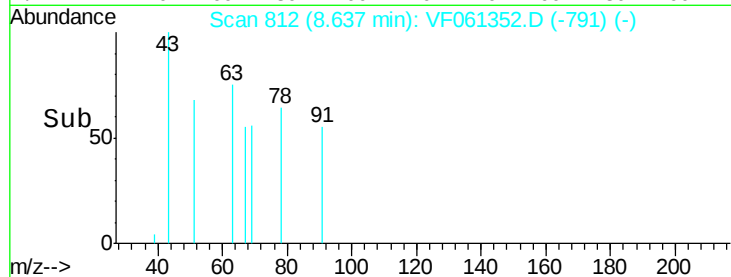
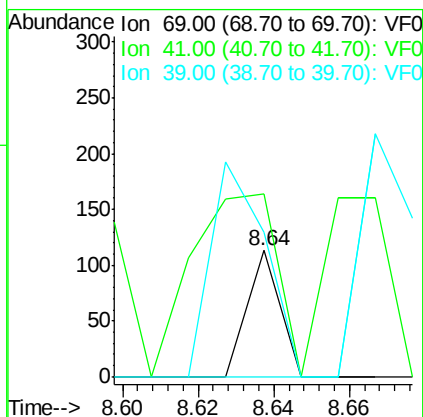
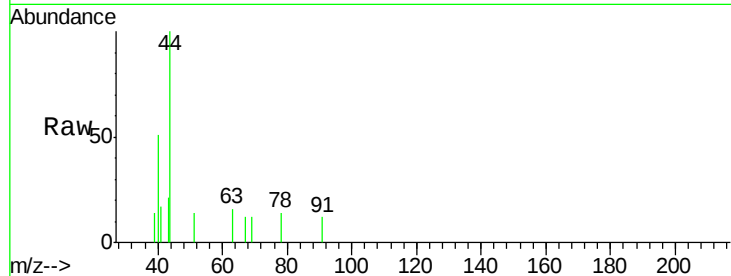
RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tot Ion:	69	Resp:	67
Ion	Ratio	Lower	Upper
69	100		
41	145.1	59.0	88.4#
39	115.0	35.3	52.9#



#59

2-Hexanone

Concen: 10.887 ug/l

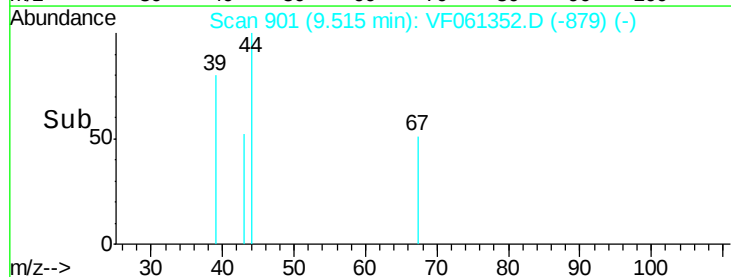
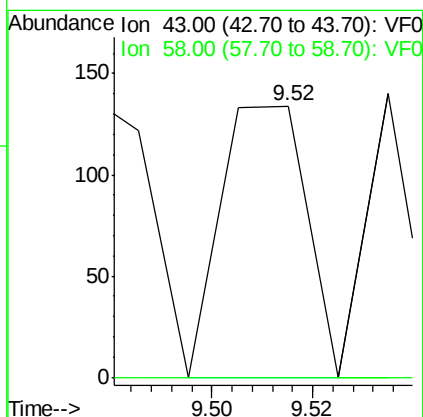
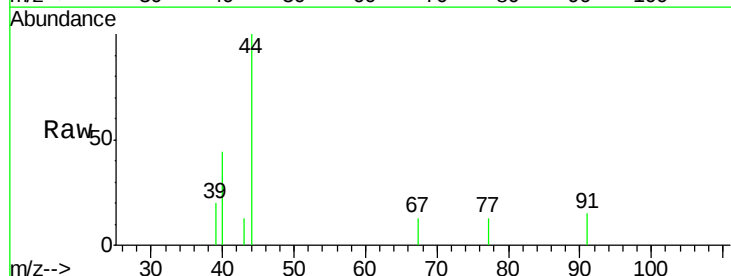
RT: 9.52 min Scan# 901

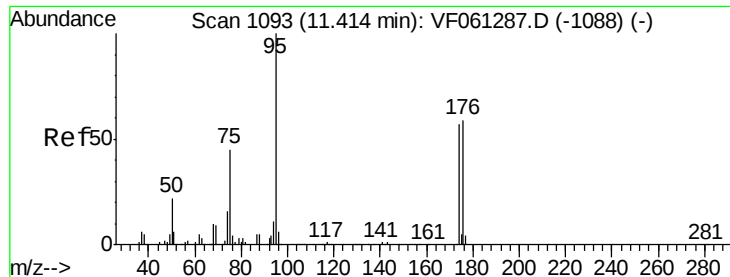
Delta R.T. 0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tgt Ion:	43	Resp:	158
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.8#





#62

4-Bromofluorobenzene

Concen: 37.640 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

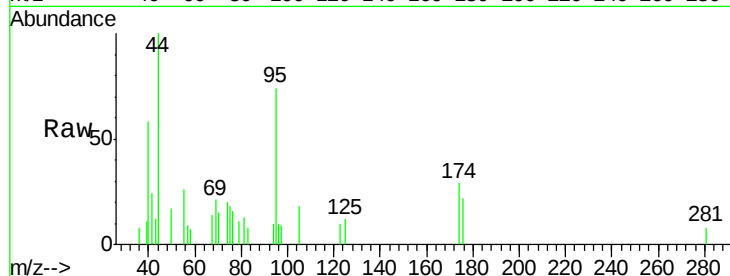
Tot Ion: 95 Resp: 1799

Ion Ratio Lower Upper

95 100

174 39.4 0.0 114.2

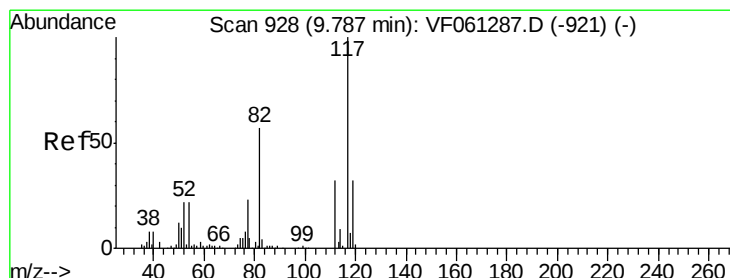
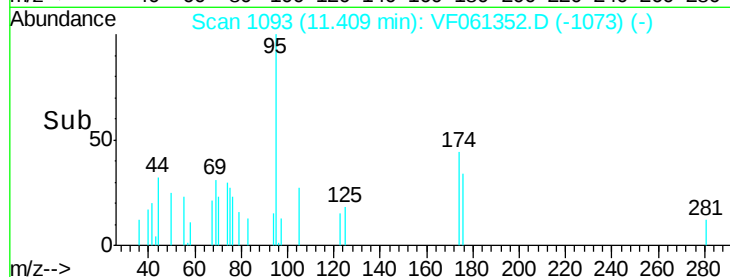
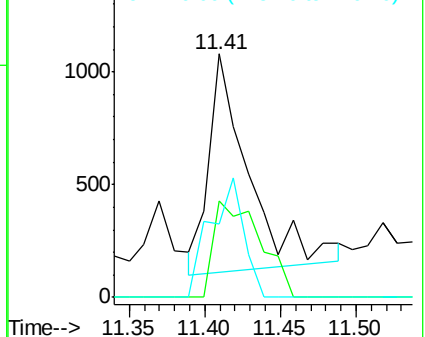
176 30.3 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

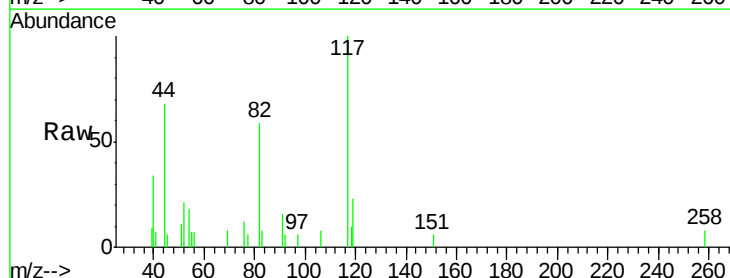
Tgt Ion: 117 Resp: 3601

Ion Ratio Lower Upper

117 100

82 59.3 45.3 67.9

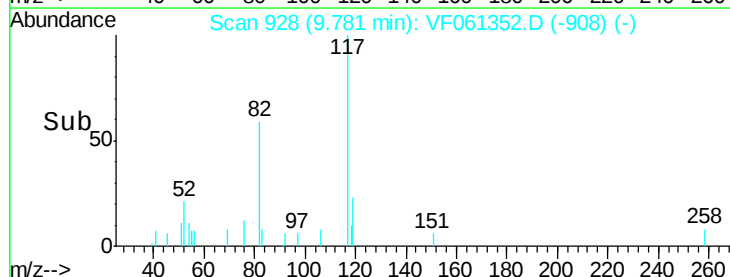
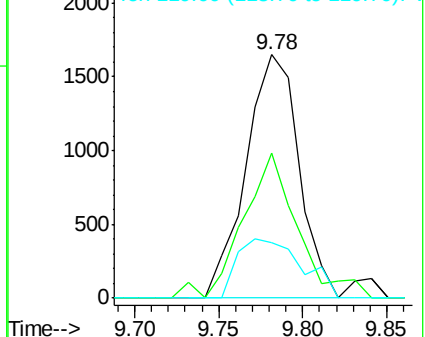
119 22.7 25.4 38.0#

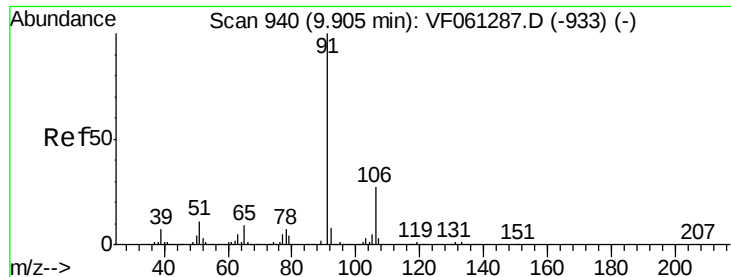


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#67

Ethyl Benzene

Concen: 24.293 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061352.D

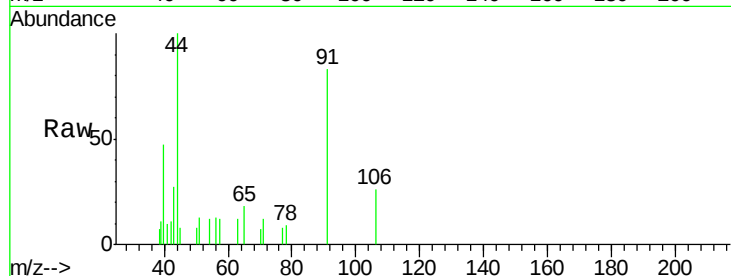
Acq: 10 Jan 2019 19:09

Tot Ion: 91 Resp: 3406

Ion Ratio Lower Upper

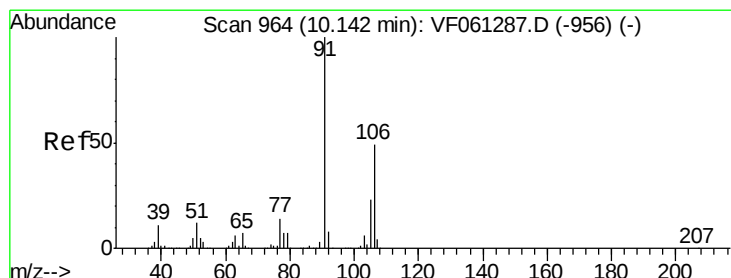
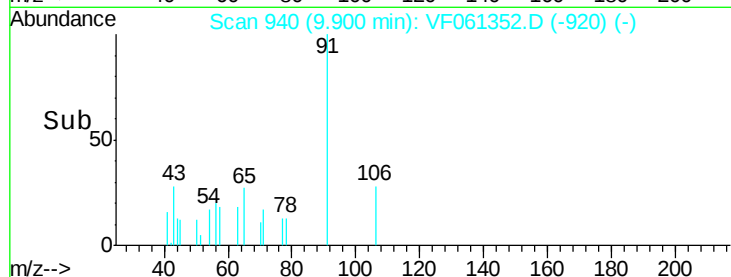
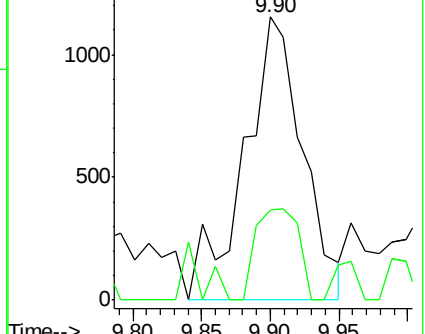
91 100

106 31.7 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 73.120 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061352.D

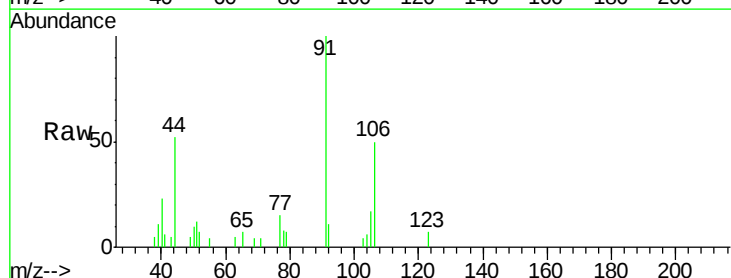
Acq: 10 Jan 2019 19:09

Tgt Ion: 106 Resp: 3576

Ion Ratio Lower Upper

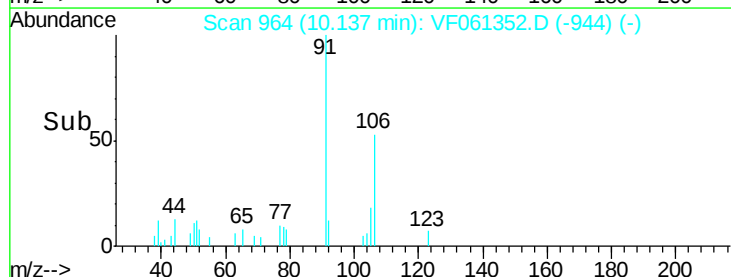
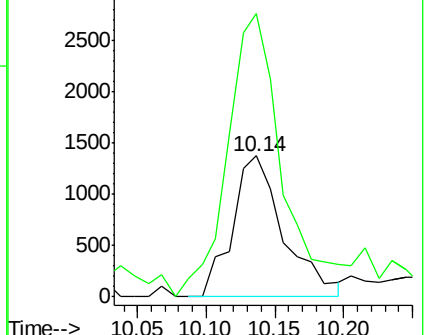
106 100

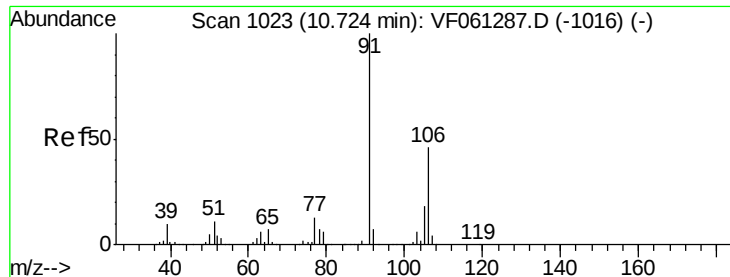
91 201.0 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

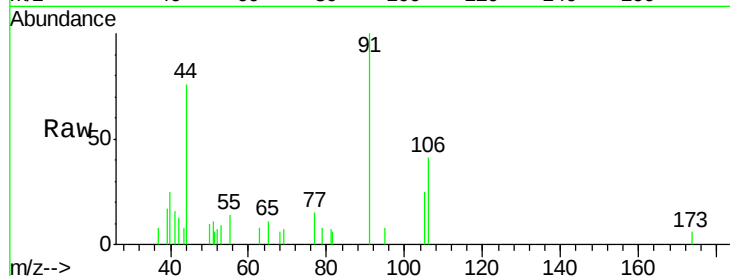
Ion 91.00 (90.70 to 91.70): VF0



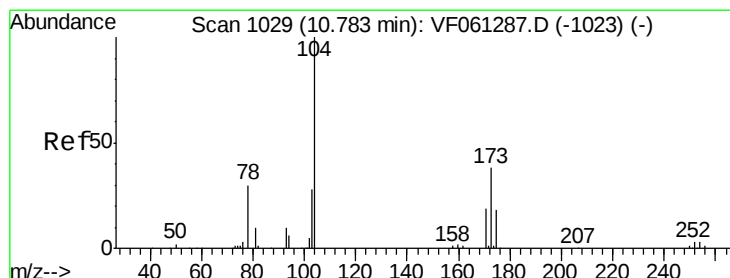
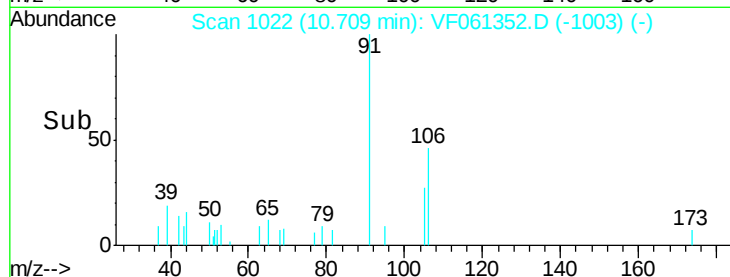
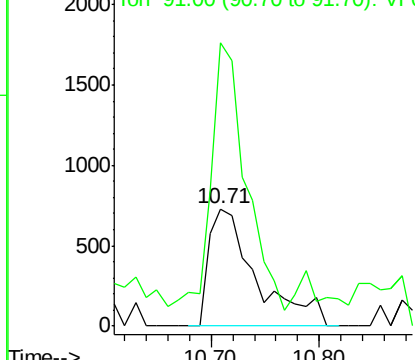


#69
o-Xylene
Concen: 40.691 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tot Ion:106 Resp: 2223
Ion Ratio Lower Upper
106 100
91 241.6 108.1 324.4

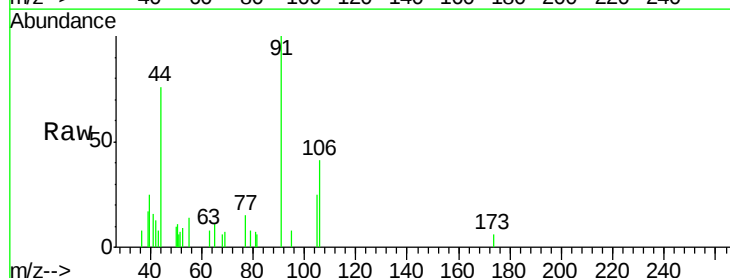


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

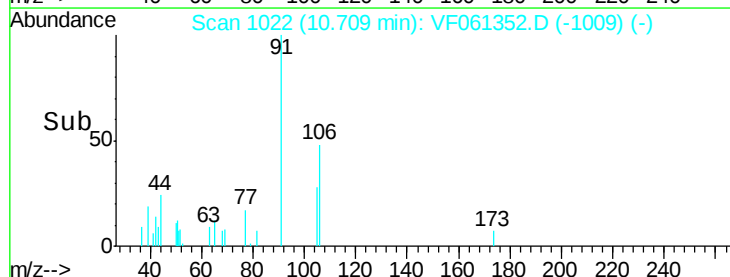
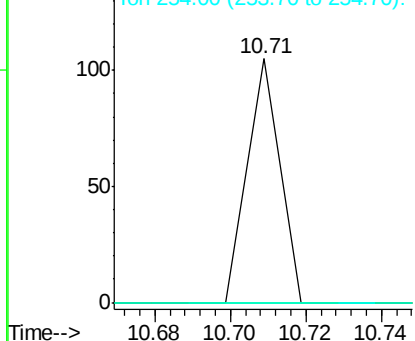


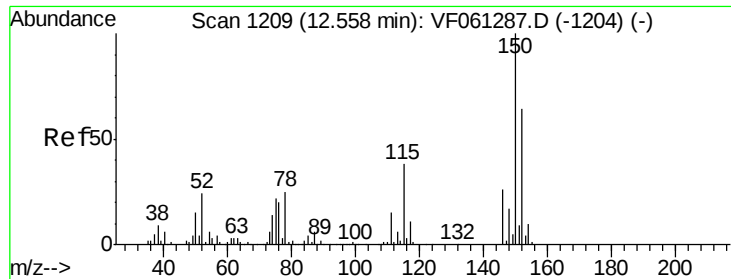
#71
Bromoform
Concen: 5.113 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.07 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion:173 Resp: 62
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

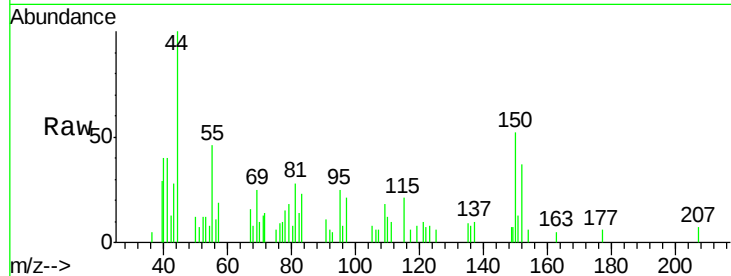




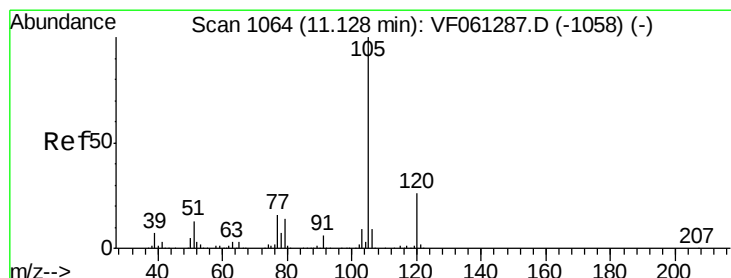
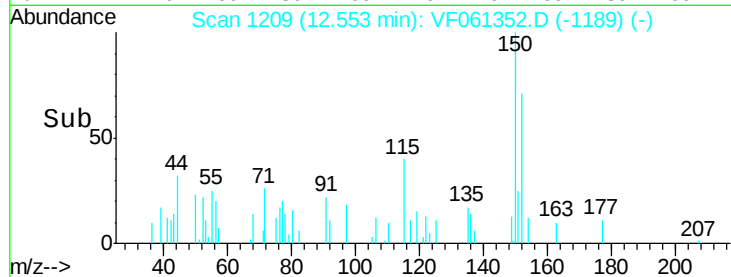
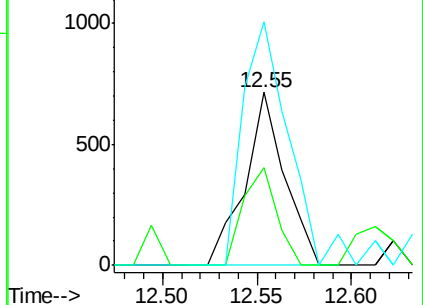
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.6	88.9
150	140.8	0.0	315.4



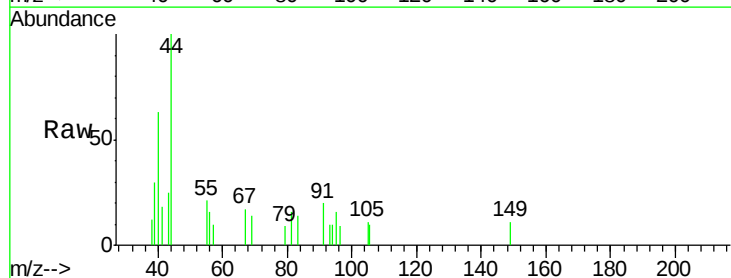
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



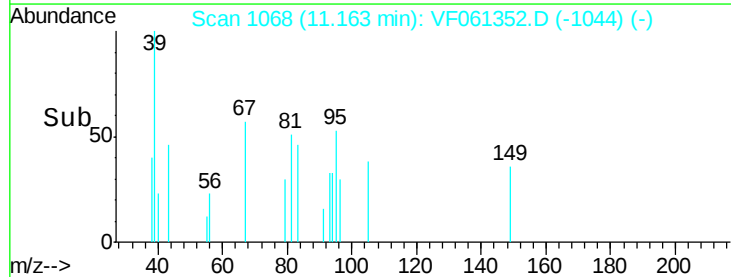
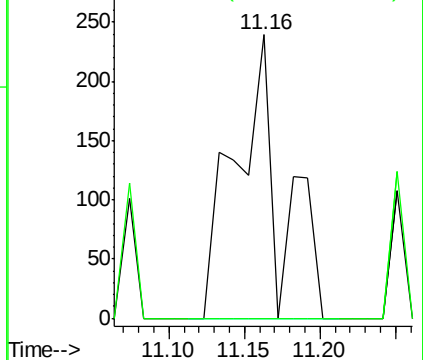
#73

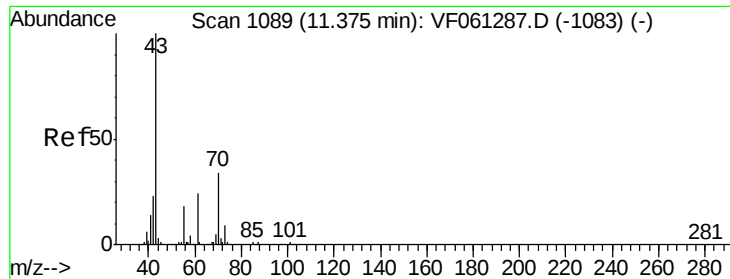
Isopropylbenzene
Concen: 5.595 ug/l
RT: 11.16 min Scan# 1068
Delta R.T. 0.03 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.9	38.7#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 7.299 ug/l

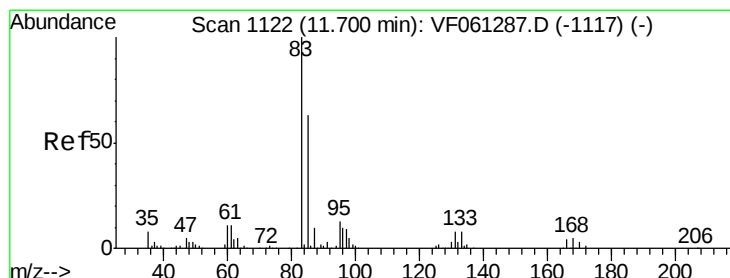
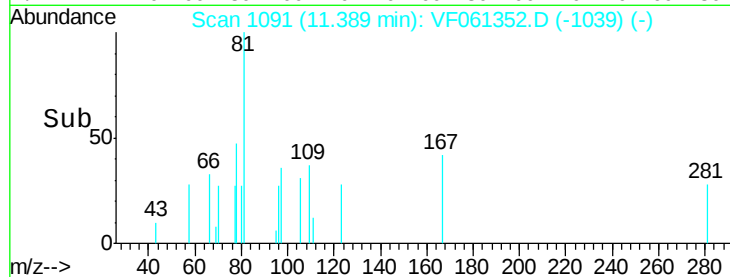
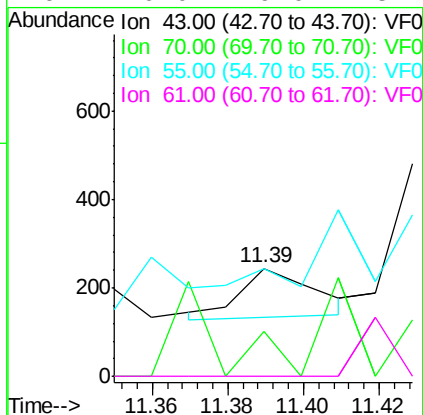
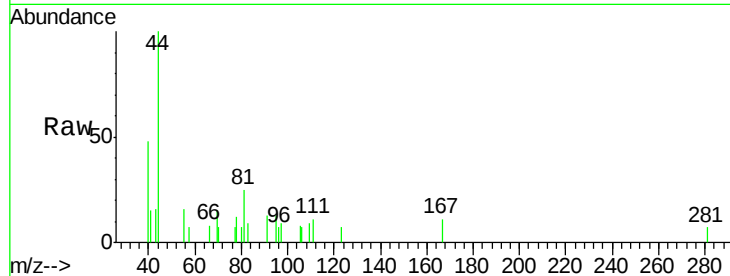
RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tot Ion:	43	Resp:	153
Ion	Ratio	Lower	Upper
43	100		
70	41.2	27.4	41.0#
55	99.6	14.7	22.1#
61	0.0	19.0	28.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 22.637 ug/l

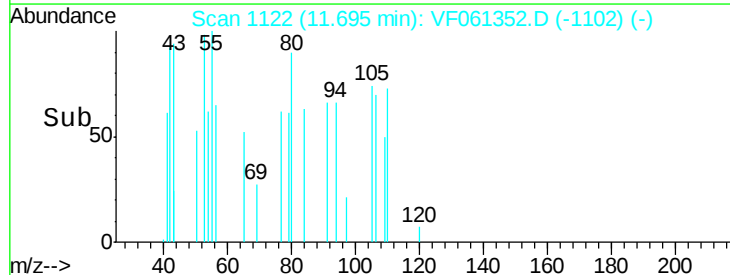
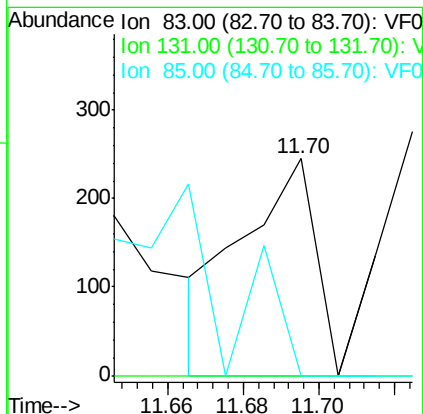
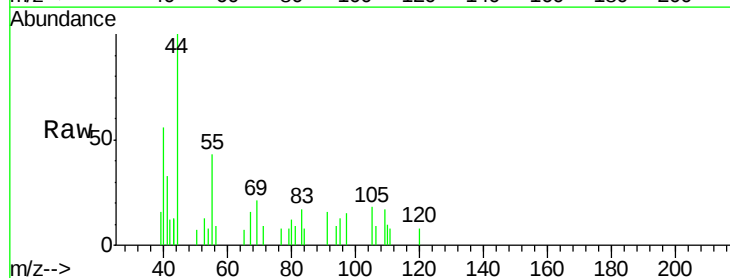
RT: 11.70 min Scan# 1122

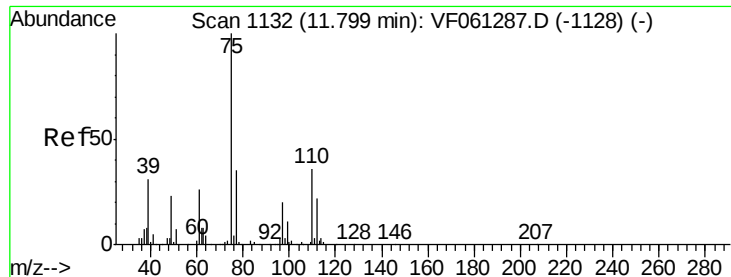
Delta R.T. -0.01 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

Tgt Ion:	83	Resp:	331
Ion	Ratio	Lower	Upper
83	100		
131	0.0	3.9	11.7#
85	0.0	31.6	94.7#

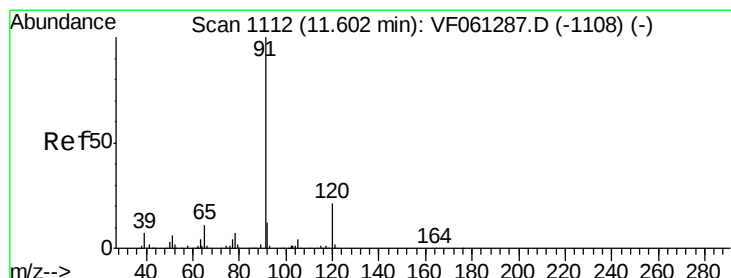
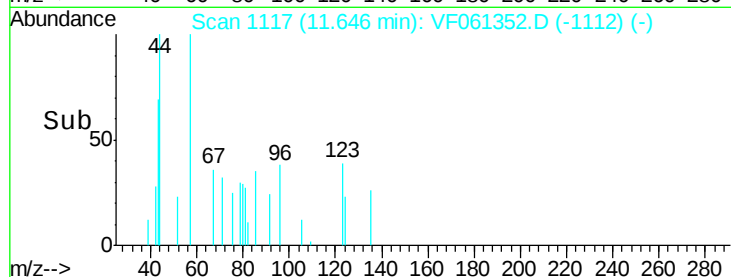
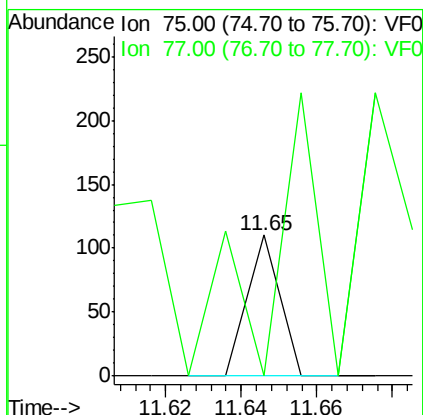
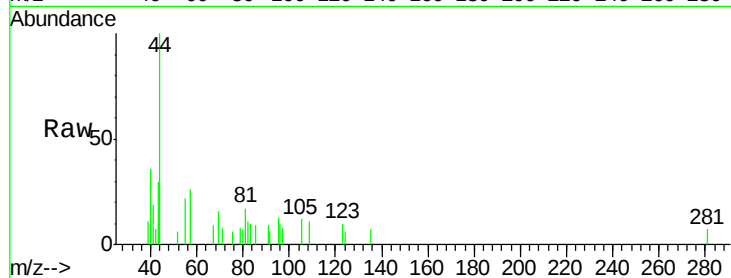




#76

1,2,3-Trichloropropane
Concen: 6.061 ug/l
RT: 11.65 min Scan# 1117
Delta R.T. -0.15 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

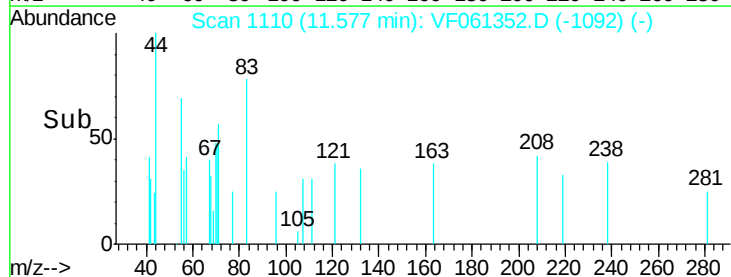
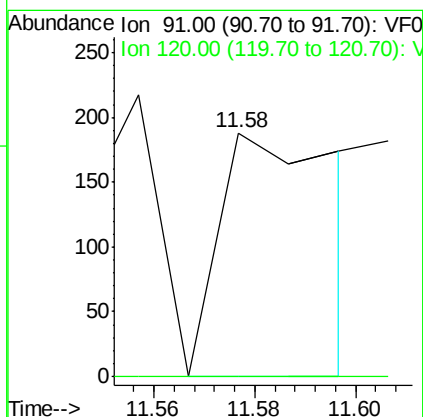
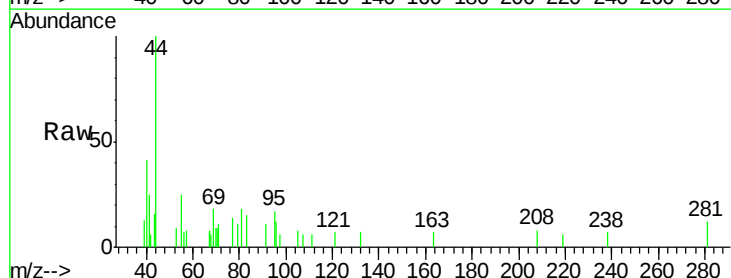
Tot Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
77 0.0 17.5 52.5#

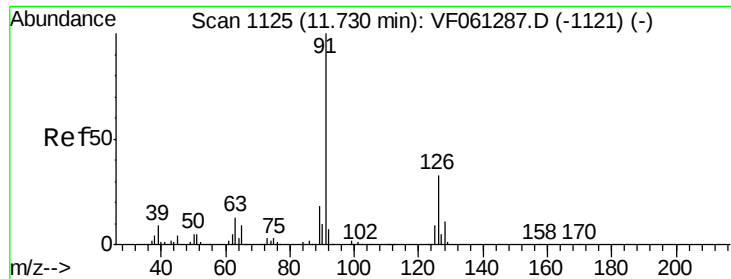


#78

n-propylbenzene
Concen: 2.829 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

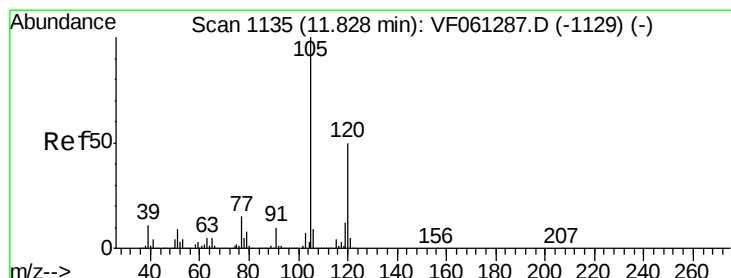
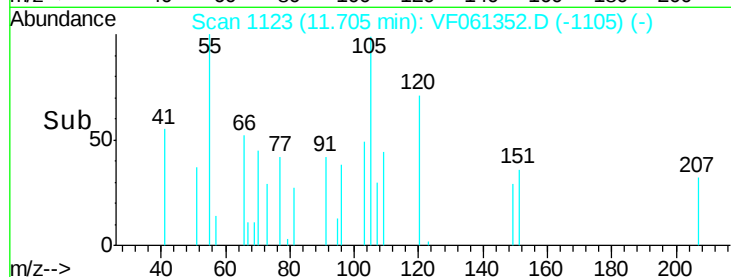
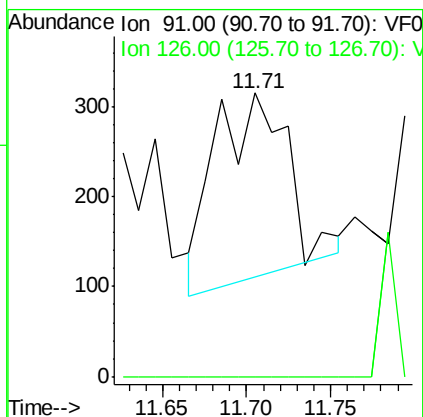
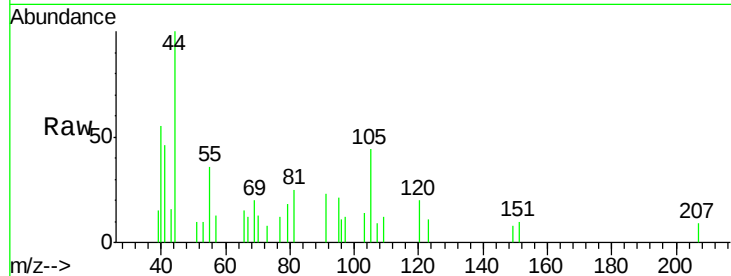
Tgt Ion: 91 Resp: 311
Ion Ratio Lower Upper
91 100
120 0.0 10.7 32.1#





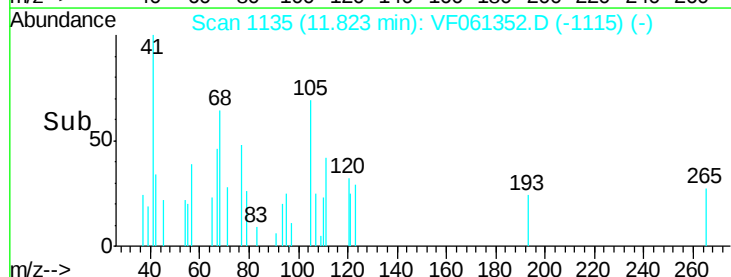
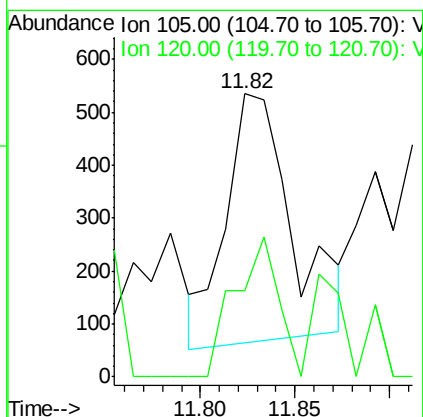
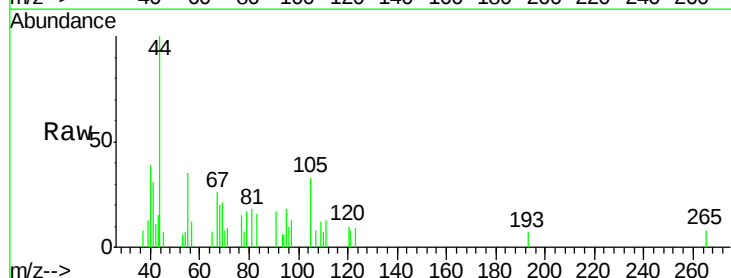
#79
2-Chlorotoluene
Concen: 10.137 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

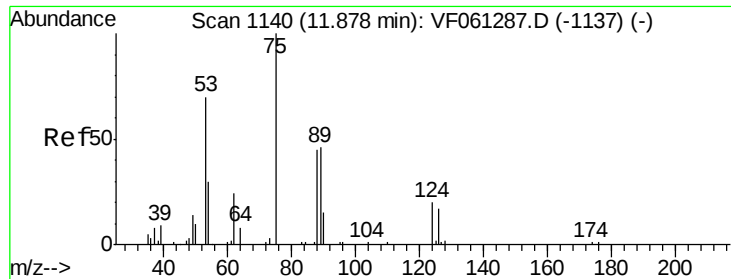
Tot Ion: 91 Resp: 621
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#80
1,3,5-Trimethylbenzene
Concen: 15.658 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

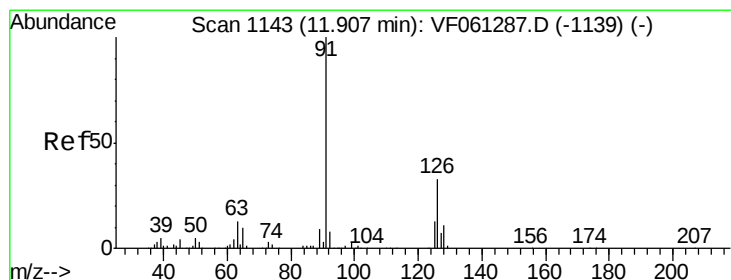
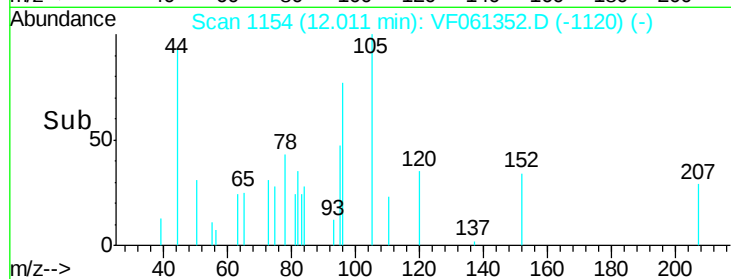
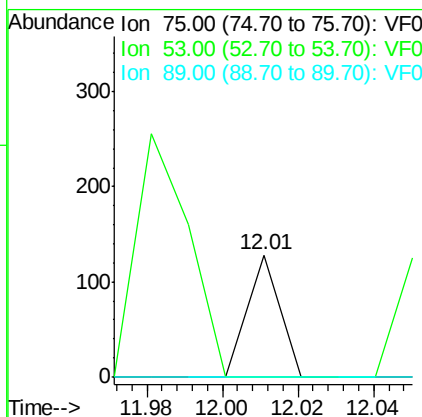
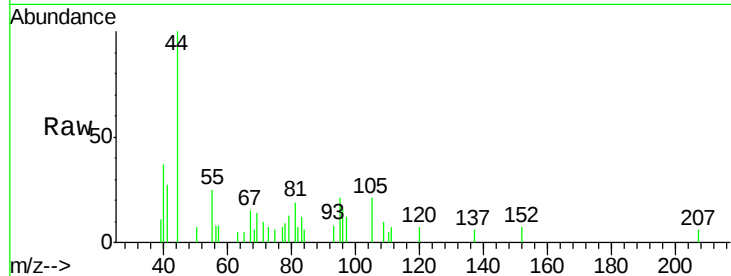
Tgt Ion:105 Resp: 1149
Ion Ratio Lower Upper
105 100
120 30.5 25.2 75.6





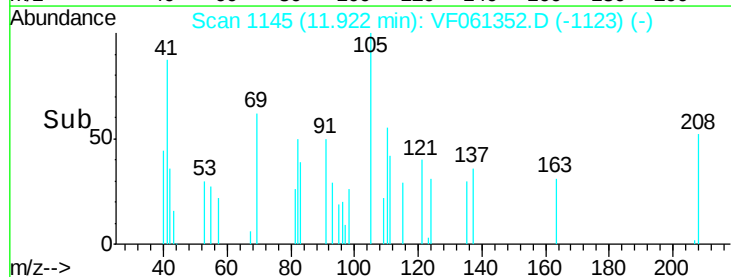
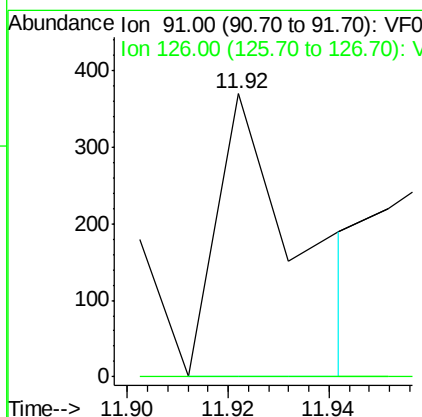
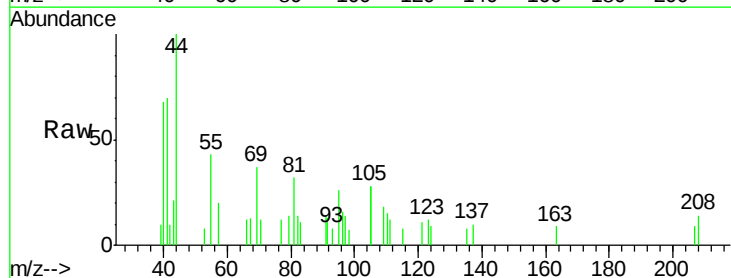
#81
trans-1,4-Dichloro-2-butene
Concen: 16.217 ug/l
RT: 12.01 min Scan# 1154
Delta R.T. 0.13 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

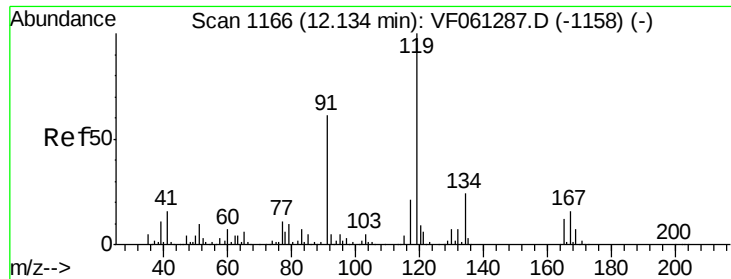
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.2	93.2#
89	0.0	40.2	60.4#



#82
4-Chlorotoluene
Concen: 6.747 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.4	49.4#





#83

tert-Butylbenzene

Concen: 5.595 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. 0.06 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

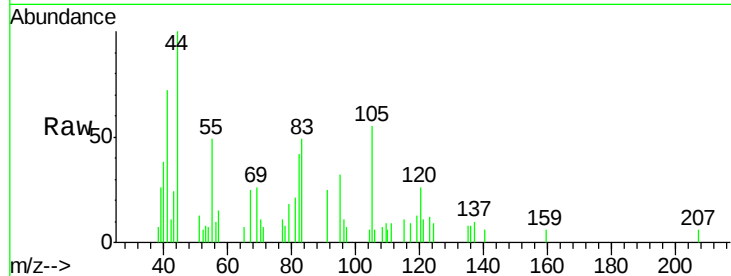
Tot Ion:119 Resp: 409

Ion Ratio Lower Upper

119 100

91 189.8 30.8 92.4#

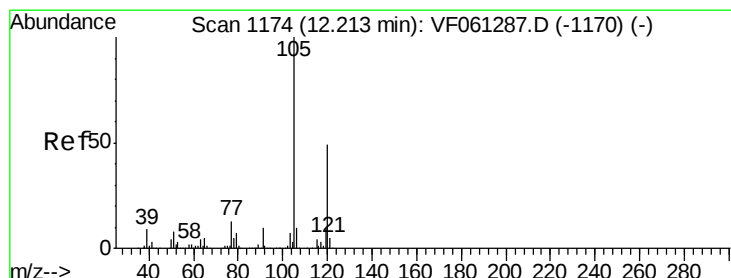
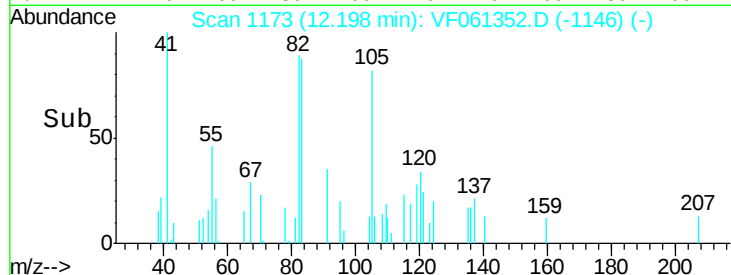
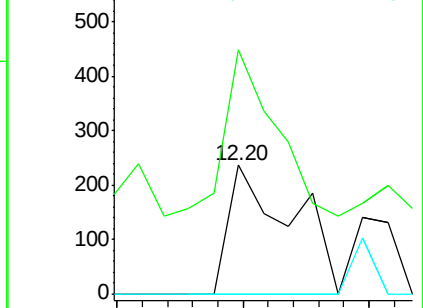
134 0.0 11.9 35.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 33.245 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061352.D

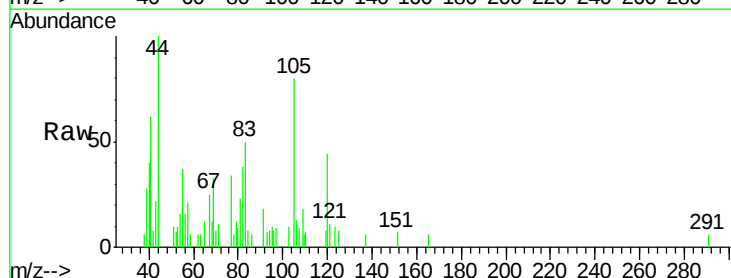
Acq: 10 Jan 2019 19:09

Tgt Ion:105 Resp: 2422

Ion Ratio Lower Upper

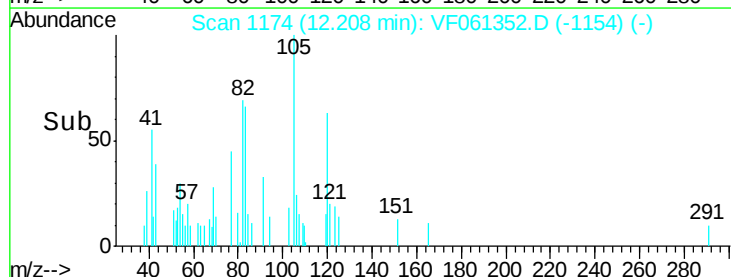
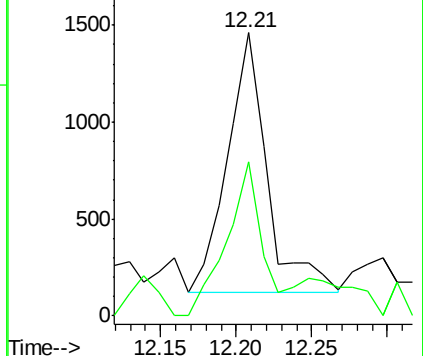
105 100

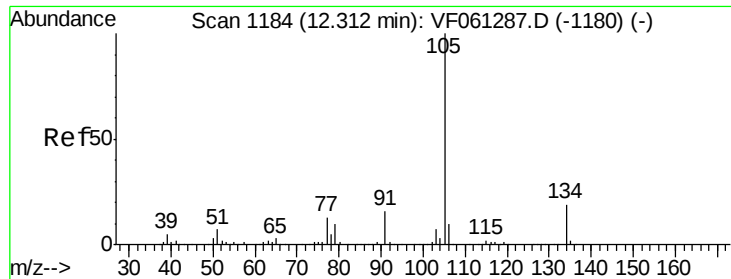
120 54.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

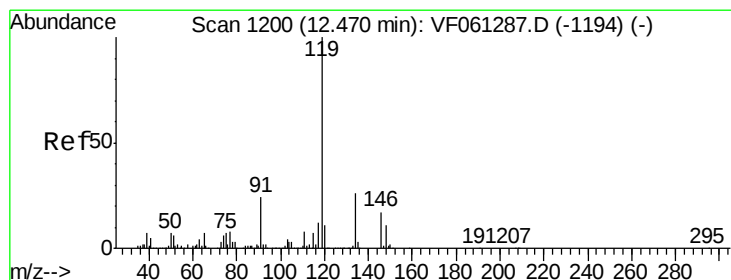
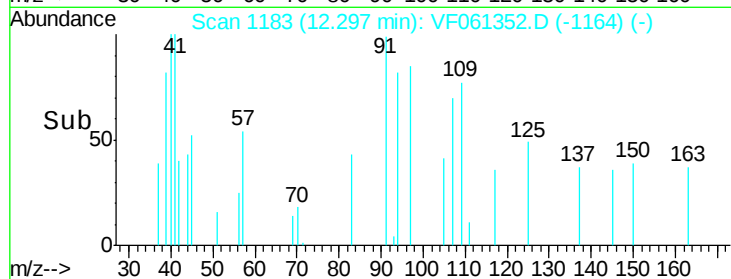
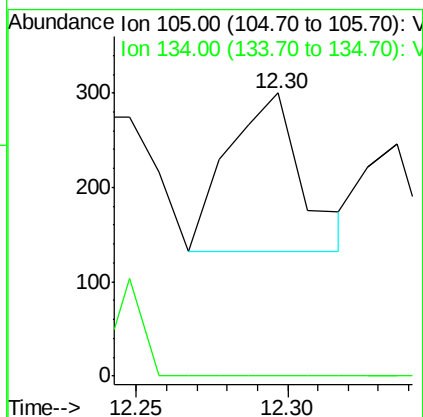
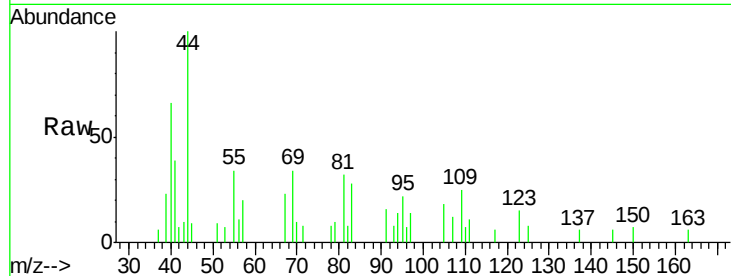
Ion 120.00 (119.70 to 120.70): V





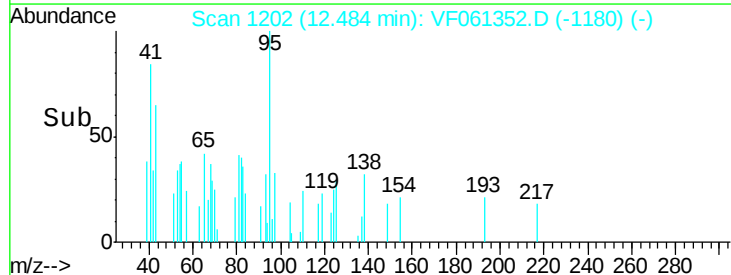
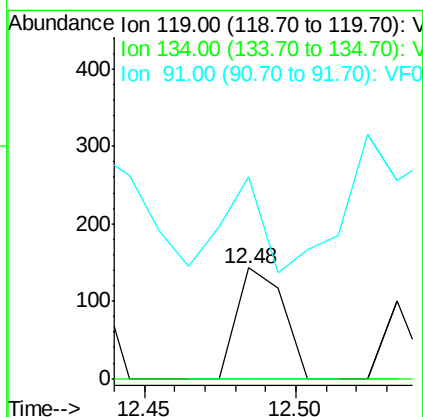
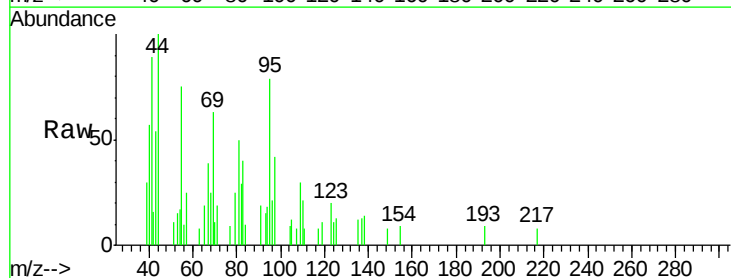
#85
 sec-Butylbenzene
 Concen: 2.767 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061352.D
 Acq: 10 Jan 2019 19:09

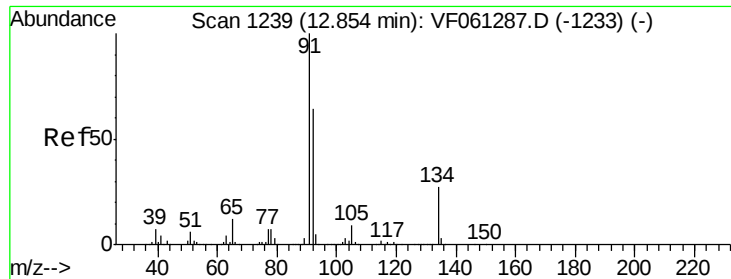
Tot Ion:105 Resp: 288
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#



#86
 p-Isopropyltoluene
 Concen: 1.819 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061352.D
 Acq: 10 Jan 2019 19:09

Tgt Ion:119 Resp: 154
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 181.8 12.2 36.4#





#89

n-Butylbenzene

Concen: 3.943 ug/l

RT: 12.81 min Scan# 1235

Delta R.T. -0.04 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

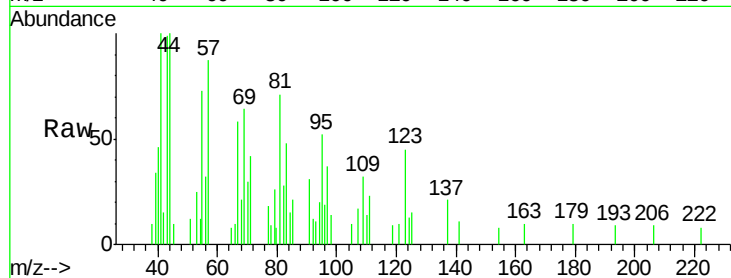
Tot Ion: 91 Resp: 343

Ion Ratio Lower Upper

91 100

92 38.0 32.1 96.3

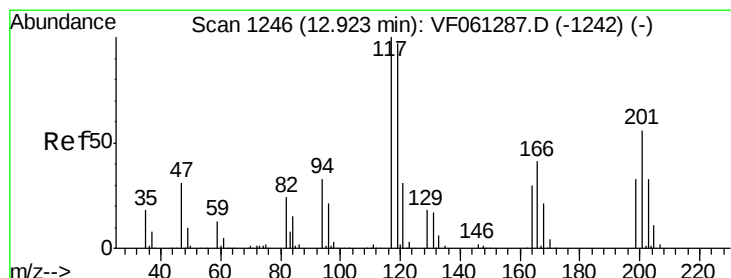
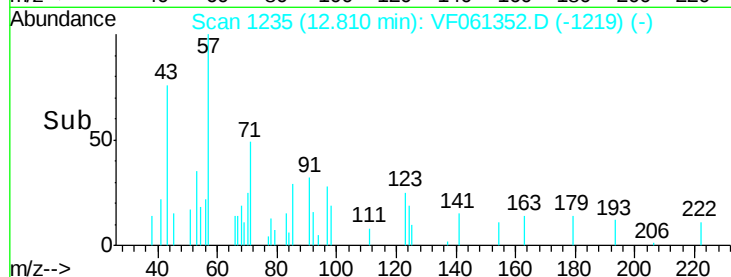
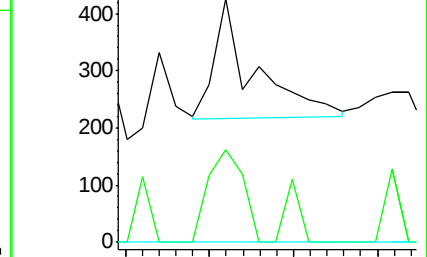
134 0.0 13.4 40.1#



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



#90

Hexachloroethane

Concen: 3.098 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.09 min

Lab File: VF061352.D

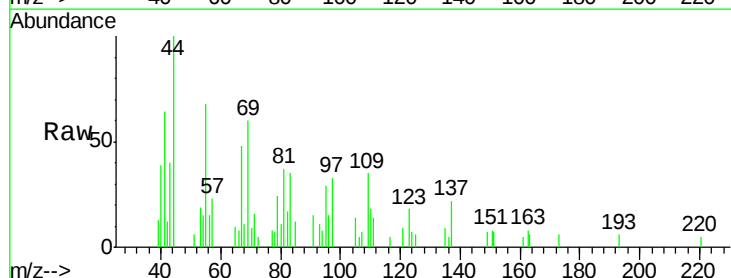
Acq: 10 Jan 2019 19:09

Tgt Ion: 117 Resp: 60

Ion Ratio Lower Upper

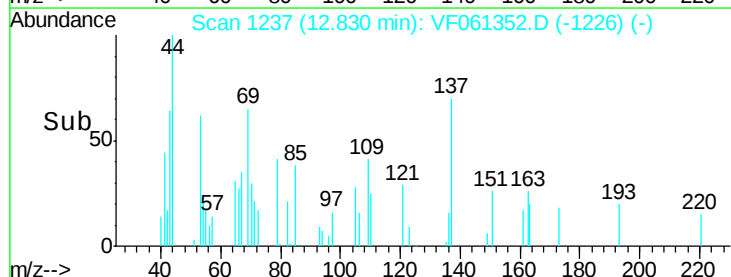
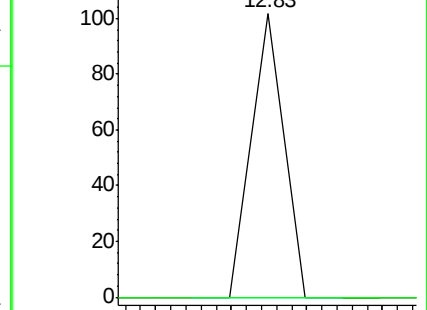
117 100

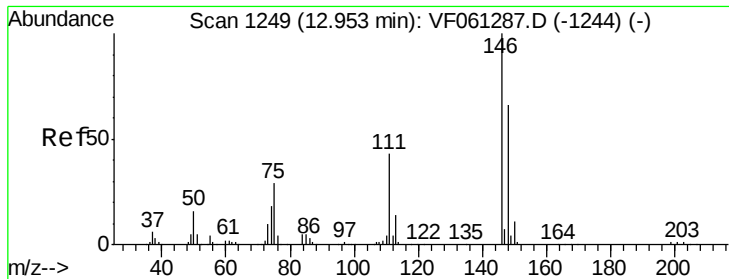
201 0.0 27.9 83.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 1.755 ug/l

RT: 12.87 min Scan# 1241

Delta R.T. -0.08 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

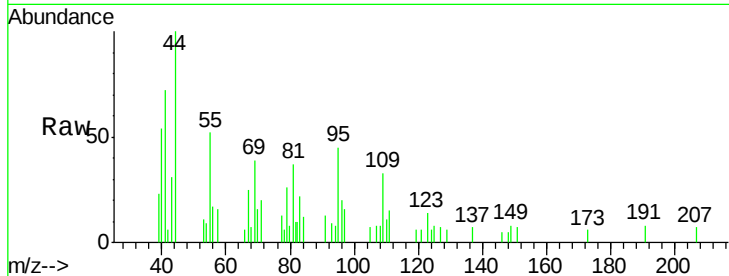
Tot Ion:146 Resp: 60

Ion Ratio Lower Upper

146 100

111 288.1 21.4 64.3#

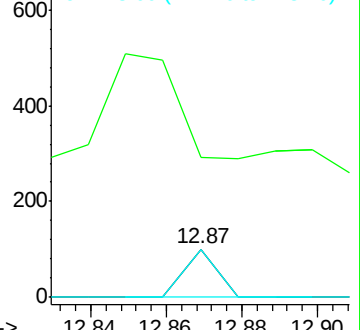
148 99.0 33.1 99.2



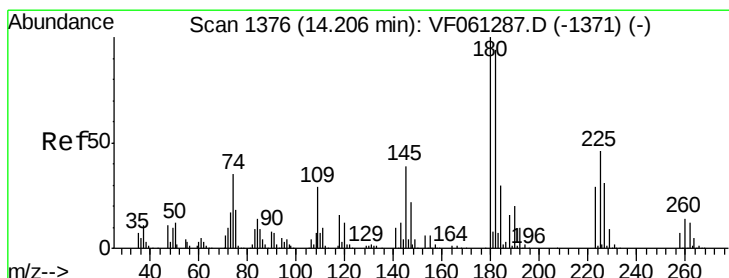
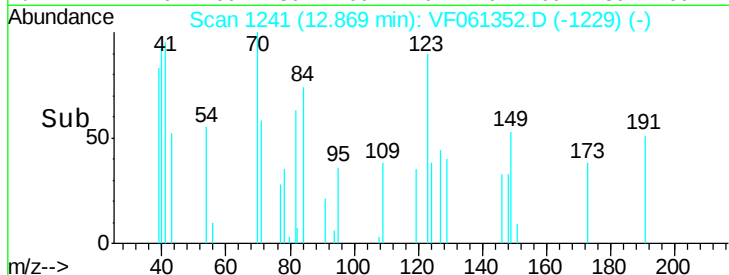
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.635 ug/l

RT: 14.34 min Scan# 1390

Delta R.T. 0.13 min

Lab File: VF061352.D

Acq: 10 Jan 2019 19:09

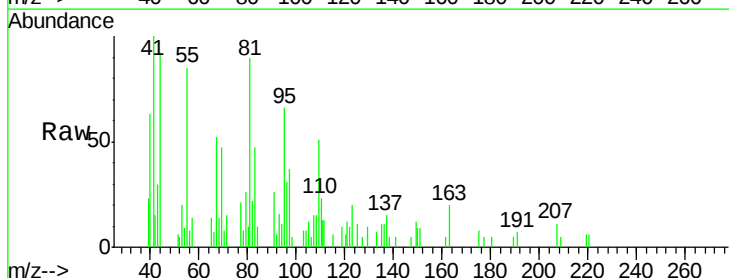
Tgt Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.2#

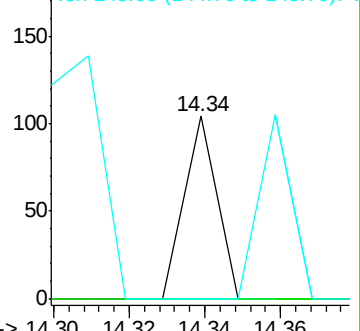
145 0.0 19.7 59.1#



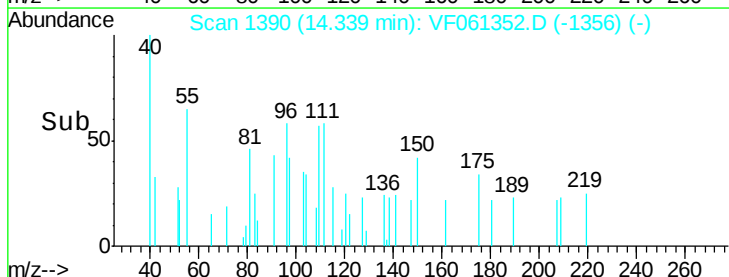
Abundance Ion 180.00 (179.70 to 180.70): V

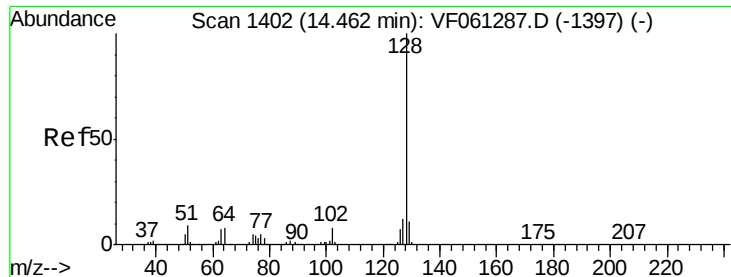
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



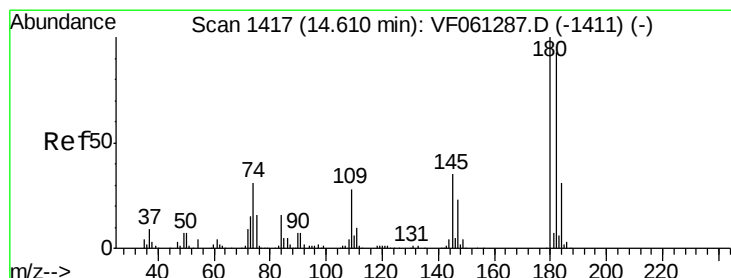
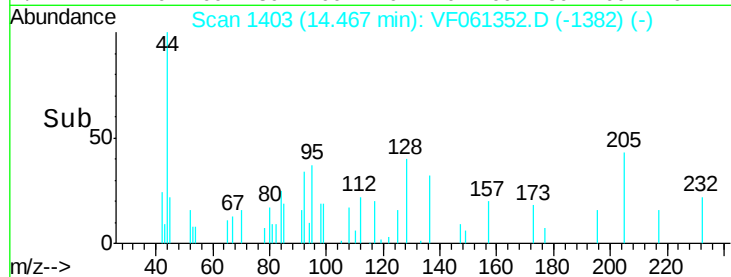
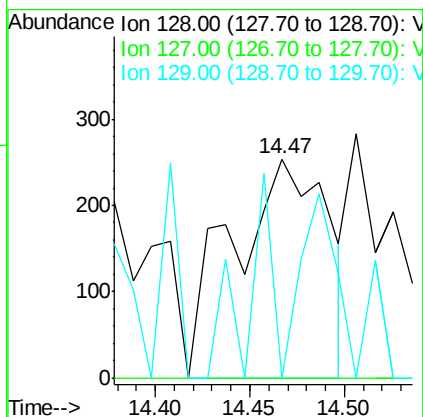
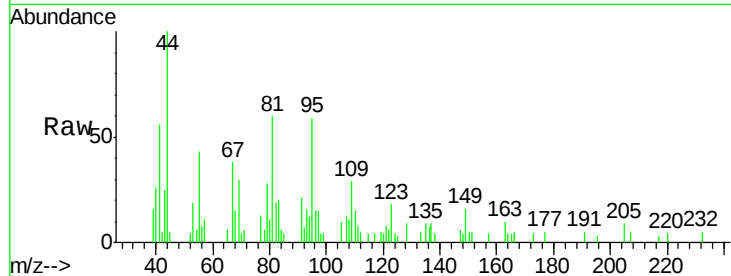
Time-->





#95
Naphthalene
Concen: 20.181 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tot Ion:128 Resp: 895
Ion Ratio Lower Upper
128 100
127 0.0 9.4 14.0#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.834 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061352.D
Acq: 10 Jan 2019 19:09

Tgt Ion:180 Resp: 85
Ion Ratio Lower Upper
180 100
182 0.0 46.5 139.3#
145 115.3 17.5 52.6#

