

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061342.D
 Acq On : 10 Jan 2019 14:21
 Operator : VA/AP
 Sample : K1006-07RE
 Misc : 6.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 11 00:30:32 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	2193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	3189	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	2073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	648	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	392	16.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	32.12%		
35) Dibromofluoromethane	4.12	113	832	34.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	68.20%		
50) Toluene-d8	7.56	98	3488	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.60%		
62) 4-Bromofluorobenzene	11.43	95	924	29.30	ug/l	0.01
Spiked Amount 50.000			Recovery =	58.60%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.05	50	70	1.942	ug/l #	40
5) Bromomethane	1.27	94	772	30.578	ug/l #	6
6) Chloroethane	1.33	64	75	4.770	ug/l #	45
8) Diethyl Ether	1.55	74	77	9.608	ug/l	85
11) Tert butyl alcohol	2.45	59	68	69.579	ug/l #	58
12) 1,1-Dichloroethene	1.75	96	64	2.777	ug/l #	1
13) Acrolein	1.97	56	283	267.797	ug/l	84
14) Allyl chloride	2.10	41	504	11.965	ug/l #	55
15) Acrylonitrile	2.92	53	157	45.316	ug/l #	12
16) Acetone	2.19	43	1104	194.427	ug/l #	55
18) Methyl Acetate	2.35	43	762	68.208	ug/l #	65
19) Methyl tert-butyl Ether	2.46	73	62	1.412	ug/l #	57
20) Methylene Chloride	2.02	84	66	2.747	ug/l #	1
21) trans-1,2-Dichloroethene	2.35	96	188	7.699	ug/l #	1
22) Diisopropyl ether	2.82	45	637	7.817	ug/l #	62
23) Vinyl Acetate	3.16	43	573	24.043	ug/l #	77
24) 1,1-Dichloroethane	2.83	63	88	1.867	ug/l #	87
25) 2-Butanone	4.35	43	160	17.507	ug/l #	56
26) 2,2-Dichloropropane	3.61	77	79	2.508	ug/l #	60
27) cis-1,2-Dichloroethene	3.35	96	91	2.669	ug/l	1
29) Tetrahydrofuran	4.05	42	188	49.200	ug/l #	36
31) Cyclohexane	3.69	56	170	3.438	ug/l #	14
37) Ethyl Acetate	4.12	43	168	12.388	ug/l #	1
41) Methacrylonitrile	4.73	41	125	16.506	ug/l #	24
43) Isopropyl Acetate	6.94	43	128	7.149	ug/l #	45
48) Methyl methacrylate	6.69	41	100	8.605	ug/l #	21
51) 4-Methyl-2-Pentanone	8.22	43	508	37.591	ug/l #	38
52) Toluene	7.63	92	98	1.754	ug/l	95
59) 2-Hexanone	9.50	43	326	34.050	ug/l	97
67) Ethyl Benzene	9.91	91	362	4.485	ug/l #	48
68) m/p-Xylenes	10.16	106	234	8.311	ug/l #	3
73) Isopropylbenzene	11.16	105	60	1.052	ug/l #	49
74) N-amyl acetate	11.38	43	115	8.872	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	11.81	83	60	6.636	ug/l #	25

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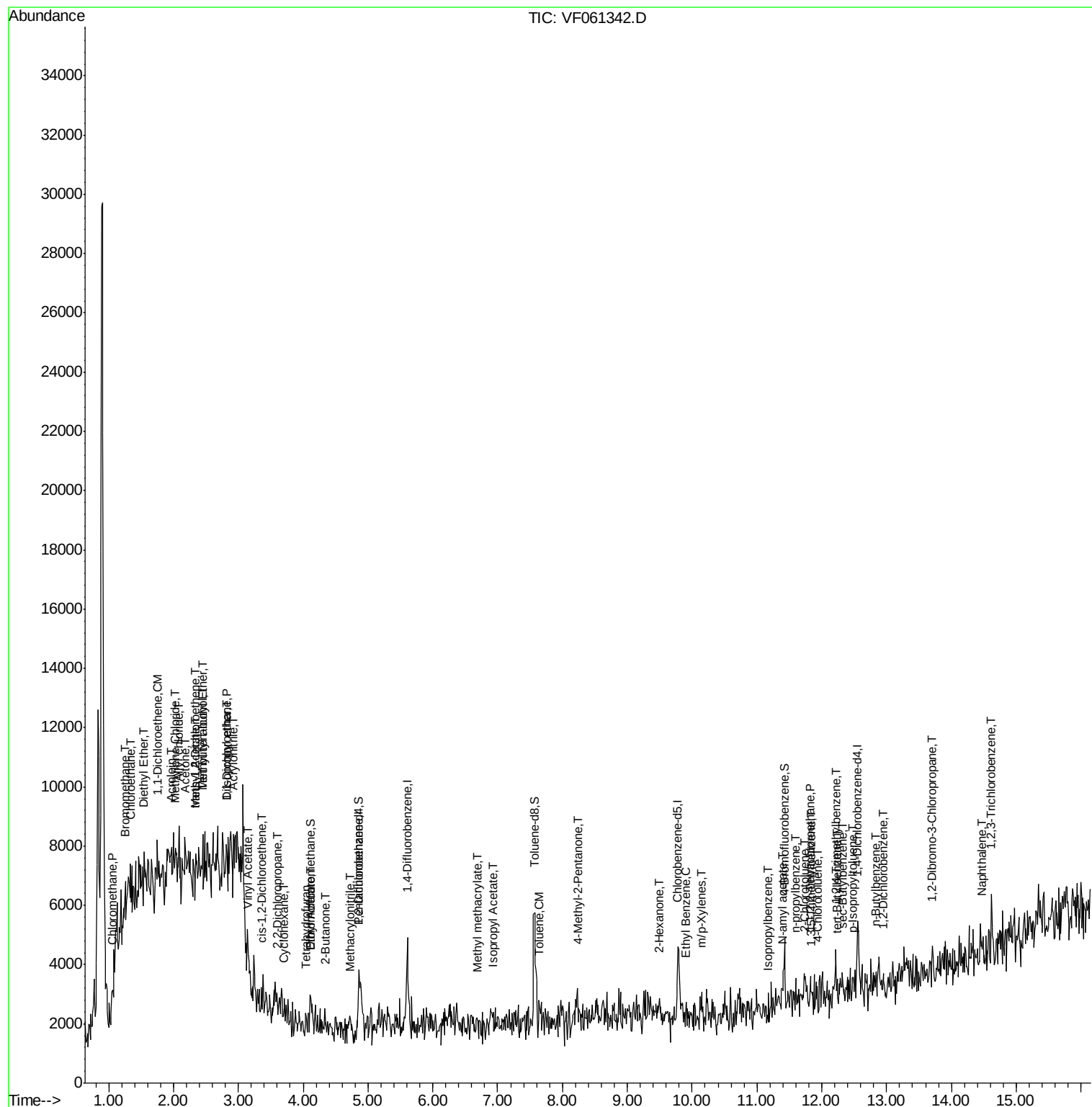
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

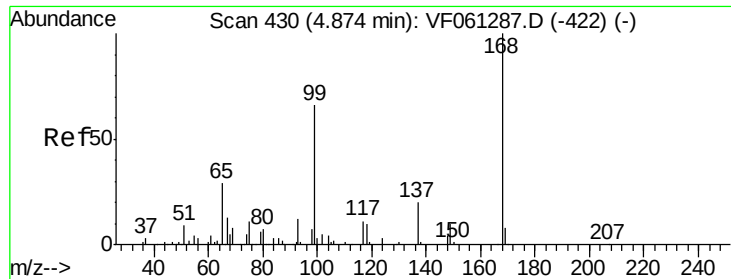
78) n-propylbenzene	11.60	91	97	1.427	ug/l #	55
79) 2-Chlorotoluene	11.74	91	158	4.171	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.84	105	426	9.389	ug/l #	27
82) 4-Chlorotoluene	11.93	91	74	1.923	ug/l #	42
83) tert-Butylbenzene	12.25	119	72	1.593	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.22	105	1119	24.841	ug/l	77
85) sec-Butylbenzene	12.32	105	404	6.277	ug/l #	57
86) p-Isopropyltoluene	12.48	119	280	5.348	ug/l #	50
89) n-Butylbenzene	12.85	91	415	7.715	ug/l #	76
91) 1,2-Dichlorobenzene	12.94	146	129	6.101	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	72	47.133	ug/l #	1
95) Naphthalene	14.47	128	104	3.793	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.61	180	65	4.742	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061342.D

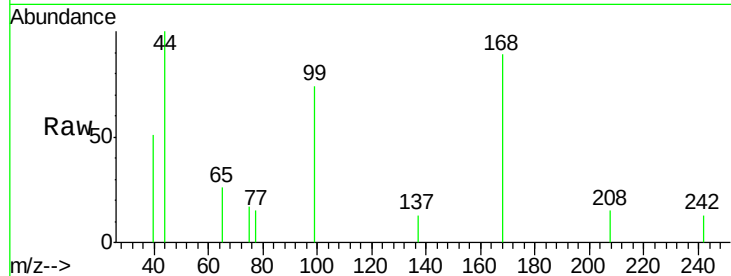
Acq: 10 Jan 2019 14:21

Tot Ion:168 Resp: 2193

Ion Ratio Lower Upper

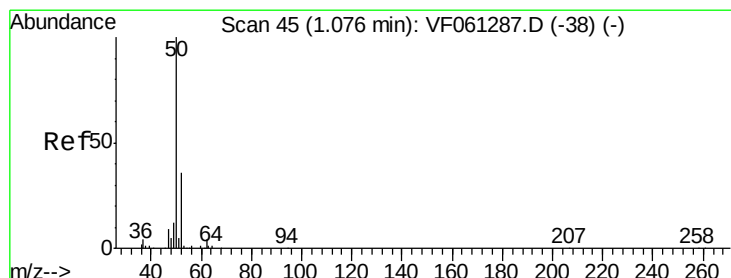
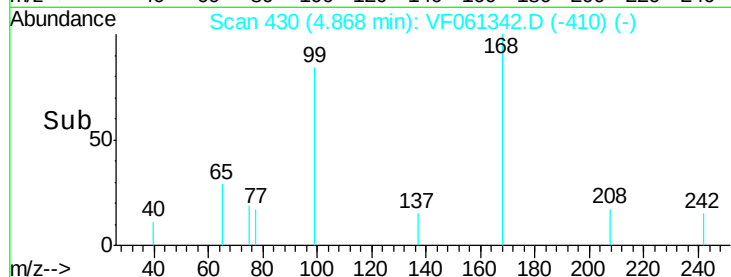
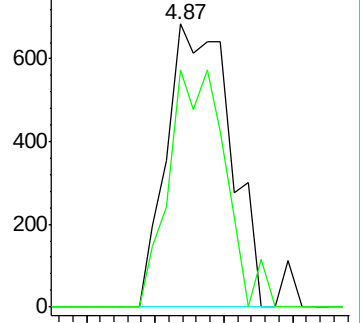
168 100

99 83.8 52.7 79.1#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.942 ug/l

RT: 1.05 min Scan# 43

Delta R.T. -0.03 min

Lab File: VF061342.D

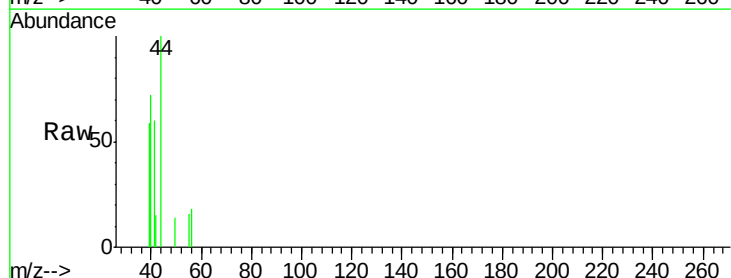
Acq: 10 Jan 2019 14:21

Tgt Ion: 50 Resp: 70

Ion Ratio Lower Upper

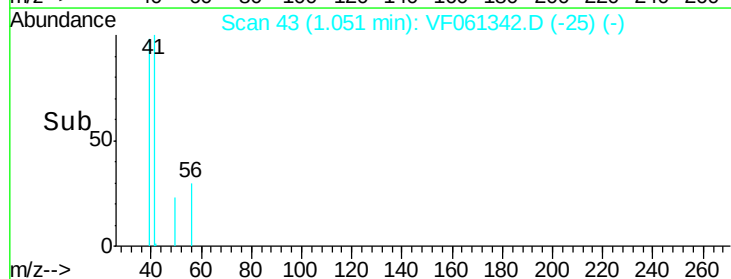
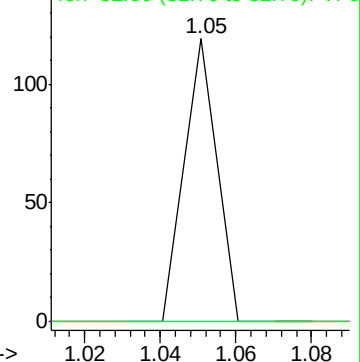
50 100

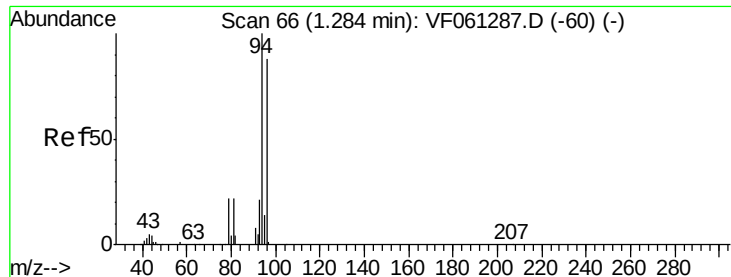
52 0.0 28.2 42.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 30.578 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.02 min

Lab File: VF061342.D

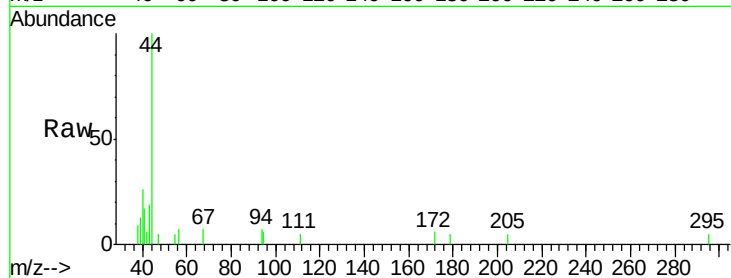
Acq: 10 Jan 2019 14:21

Tot Ion: 94 Resp: 772

Ion Ratio Lower Upper

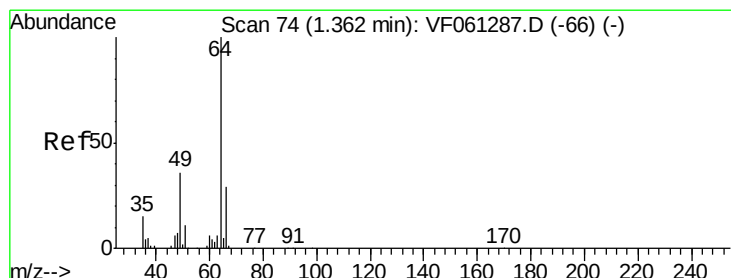
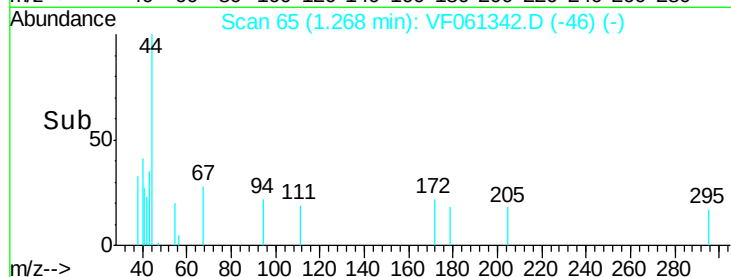
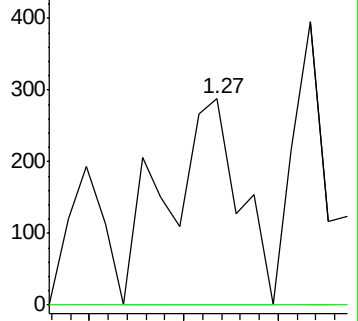
94 100

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



#6

Chloroethane

Concen: 4.770 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.04 min

Lab File: VF061342.D

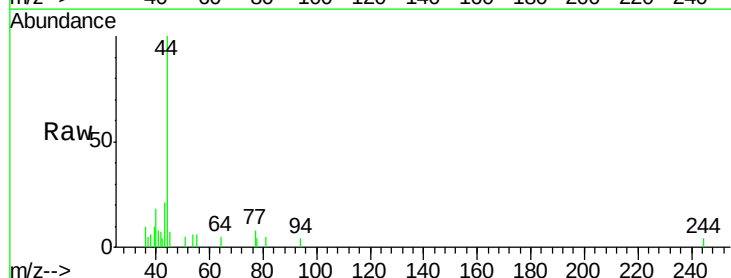
Acq: 10 Jan 2019 14:21

Tgt Ion: 64 Resp: 75

Ion Ratio Lower Upper

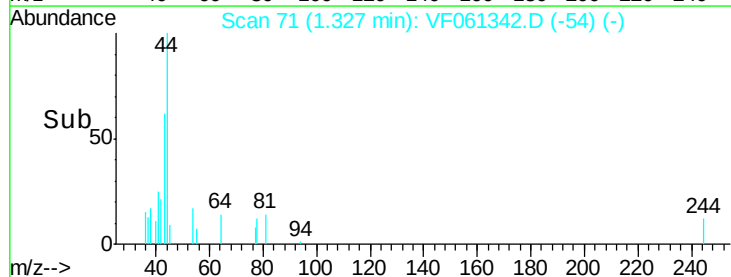
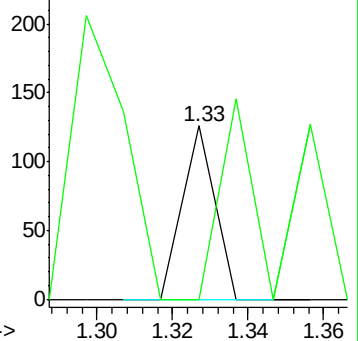
64 100

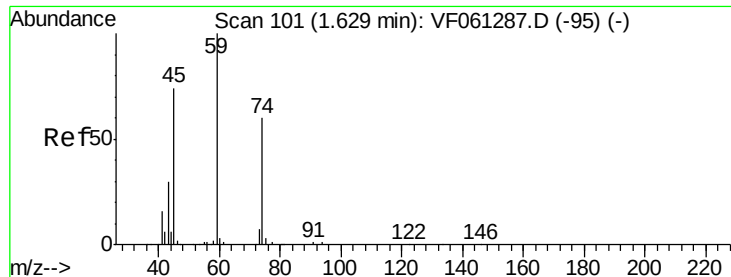
66 0.0 23.4 35.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 9.608 ug/l

RT: 1.55 min Scan# 94

Delta R.T. -0.08 min

Lab File: VF061342.D

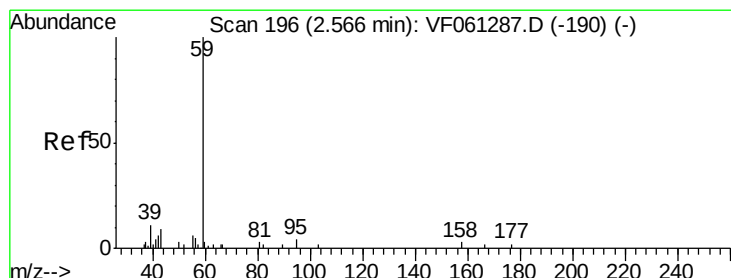
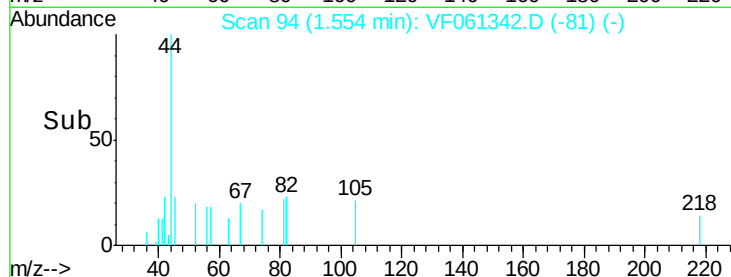
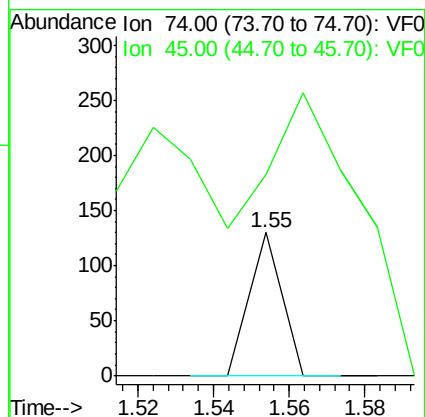
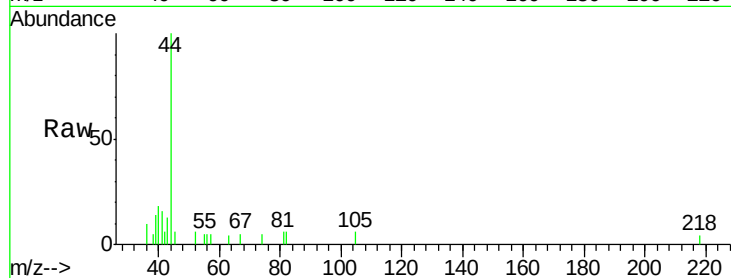
Acq: 10 Jan 2019 14:21

Tot Ion: 74 Resp: 77

Ion Ratio Lower Upper

74 100

45 140.8 62.1 186.3



#11

Tert butyl alcohol

Concen: 69.579 ug/l

RT: 2.45 min Scan# 185

Delta R.T. -0.11 min

Lab File: VF061342.D

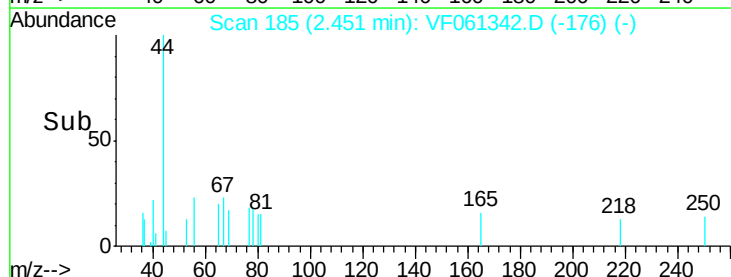
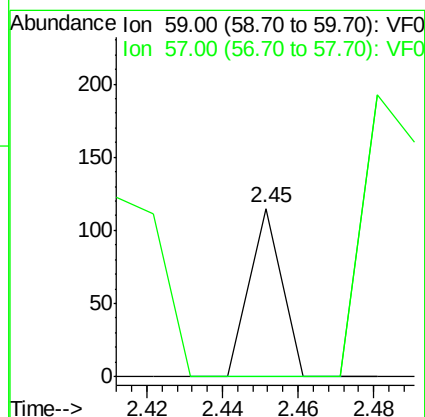
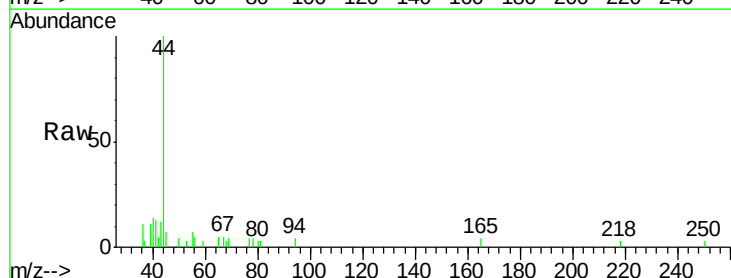
Acq: 10 Jan 2019 14:21

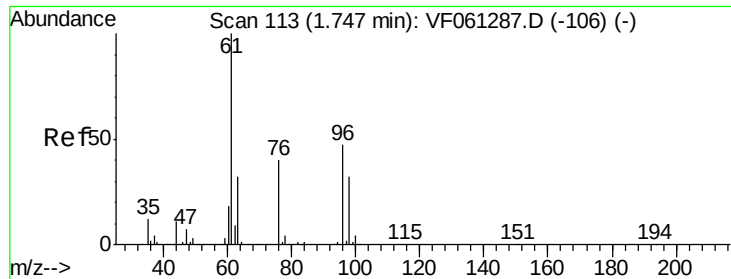
Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 15.1 22.7#





#12

1,1-Dichloroethene

Concen: 2.777 ug/l

RT: 1.75 min Scan# 114

Delta R.T. 0.00 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

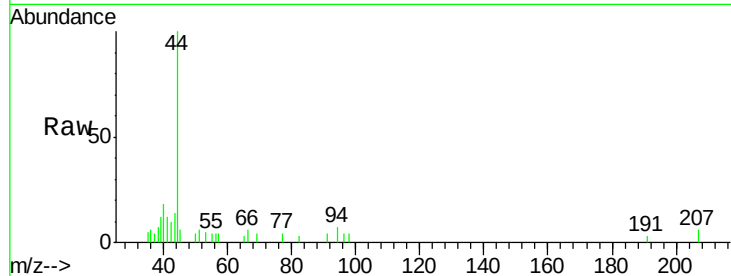
Tot Ion: 96 Resp: 64

Ion Ratio Lower Upper

96 100

61 0.0 171.8 257.8#

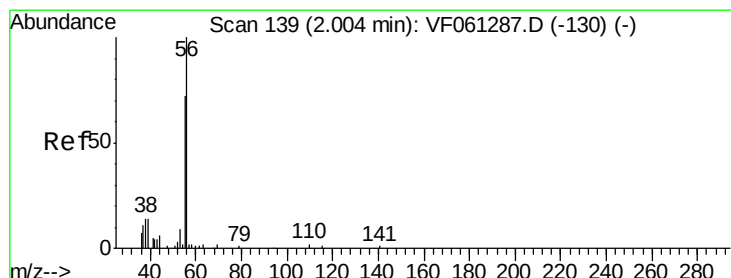
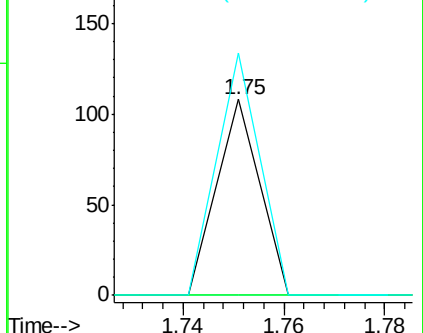
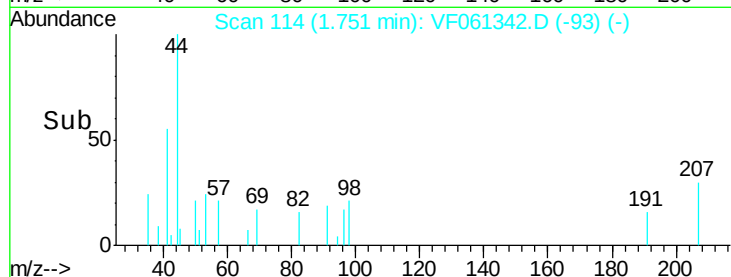
98 124.1 54.2 81.4#



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: 267.797 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.04 min

Lab File: VF061342.D

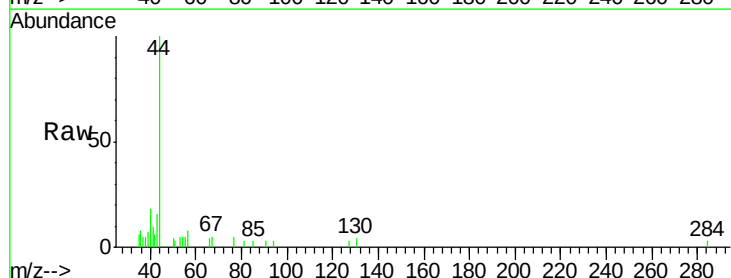
Acq: 10 Jan 2019 14:21

Tgt Ion: 56 Resp: 283

Ion Ratio Lower Upper

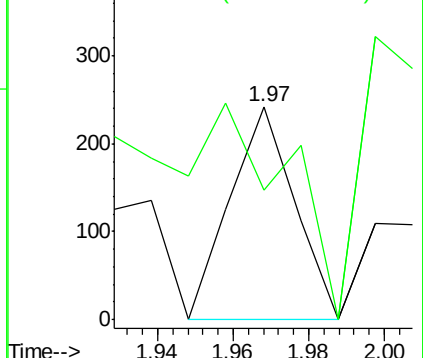
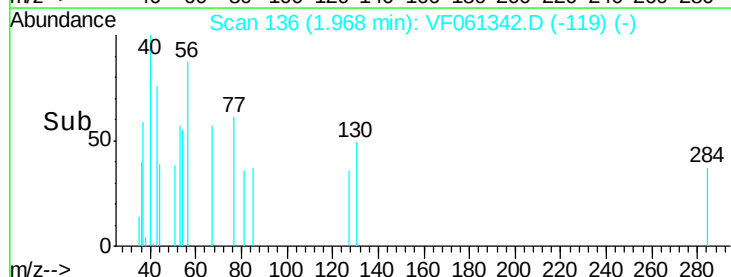
56 100

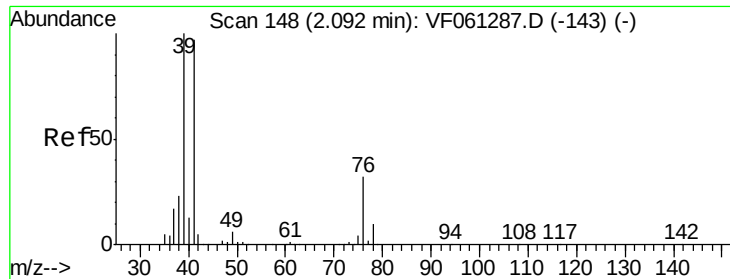
55 60.7 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

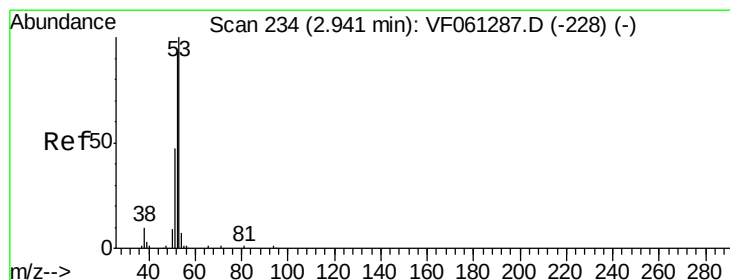
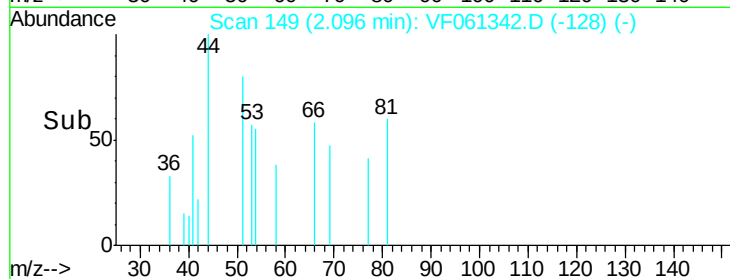
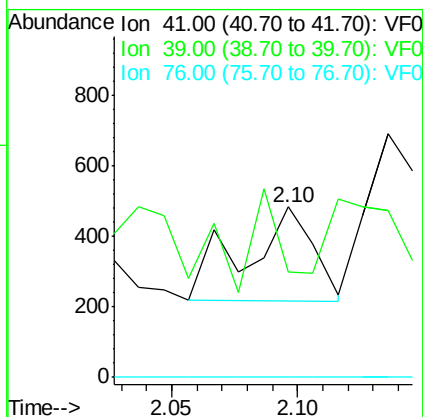
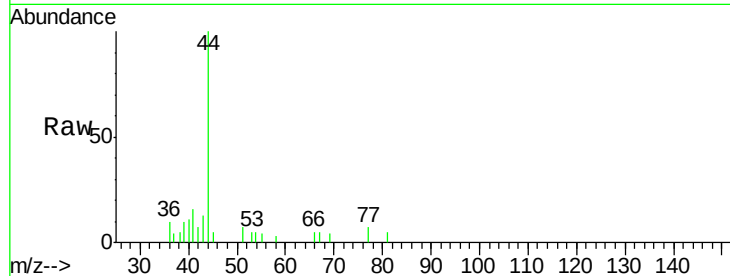
Ion 55.00 (54.70 to 55.70): VF0





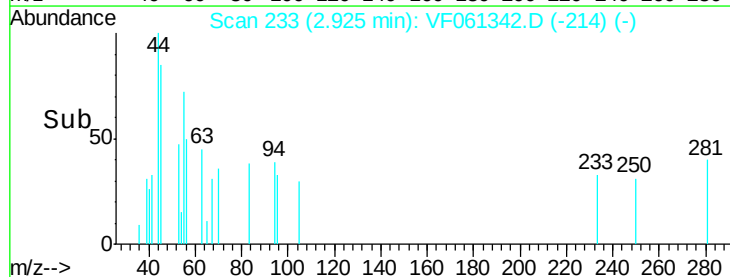
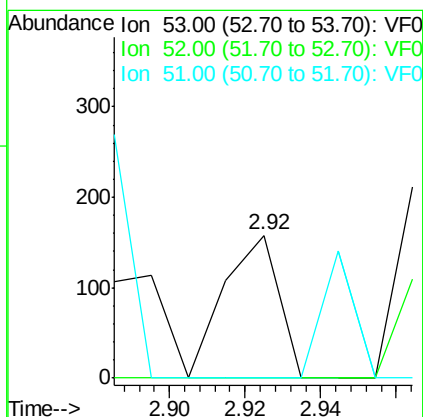
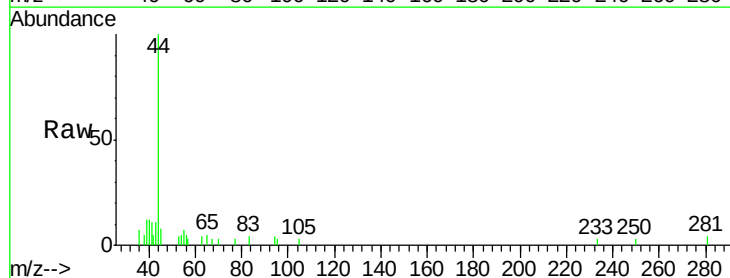
#14
Allvl chloride
Concen: 11.965 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

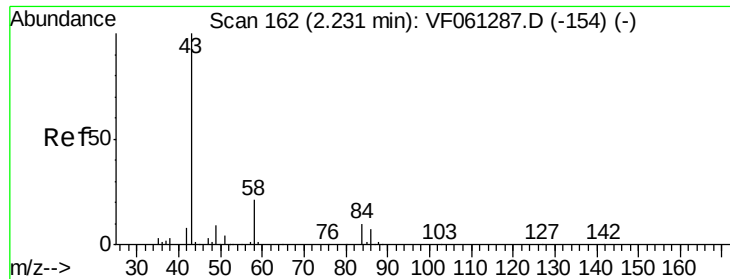
Tot Ion: 41 Resp: 504
Ion Ratio Lower Upper
41 100
39 61.6 82.6 123.8#
76 0.0 26.9 40.3#



#15
Acrylonitrile
Concen: 45.316 ug/l
RT: 2.92 min Scan# 233
Delta R.T. -0.02 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tgt Ion: 53 Resp: 157
Ion Ratio Lower Upper
53 100
52 0.0 74.6 111.8#
51 0.0 37.8 56.6#





#16

Acetone

Concen: 194.427 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.05 min

Lab File: VF061342.D

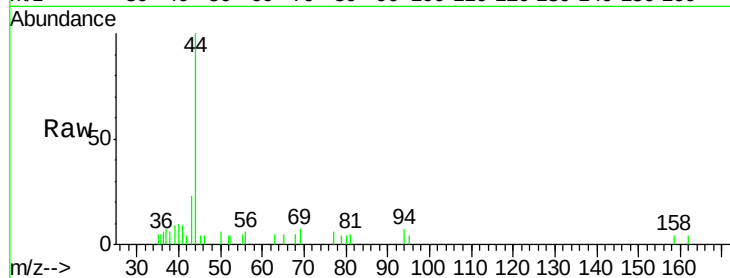
Acq: 10 Jan 2019 14:21

Tot Ion: 43 Resp: 1104

Ion Ratio Lower Upper

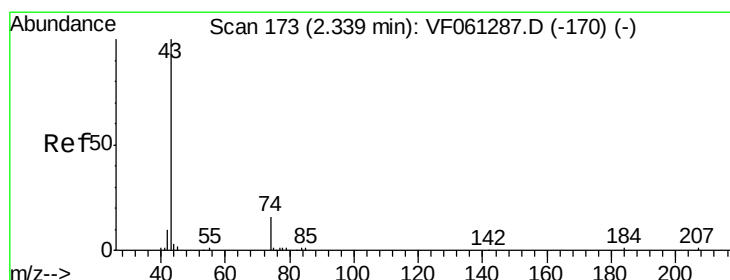
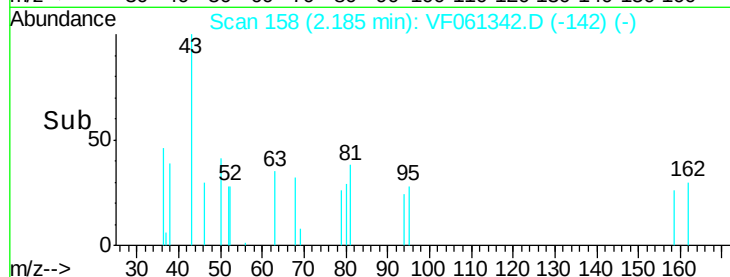
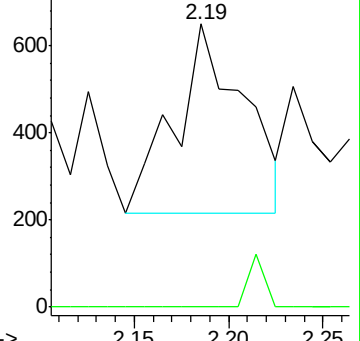
43 100

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: 68.208 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061342.D

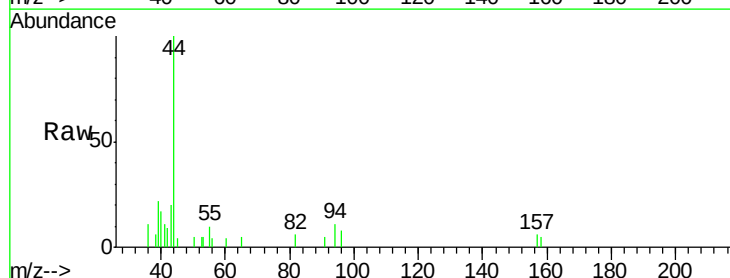
Acq: 10 Jan 2019 14:21

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

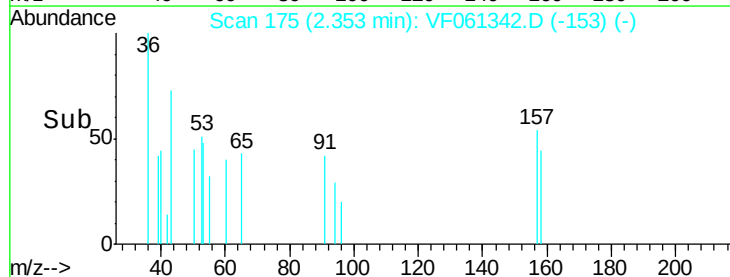
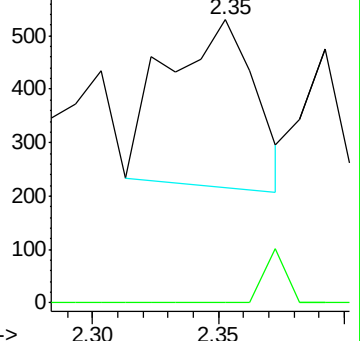
43 100

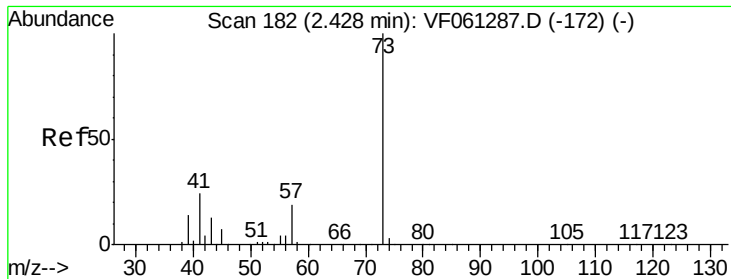
74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

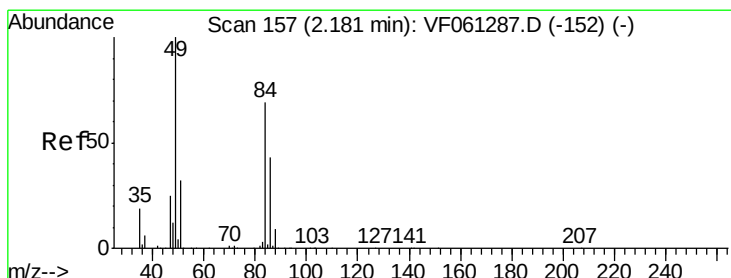
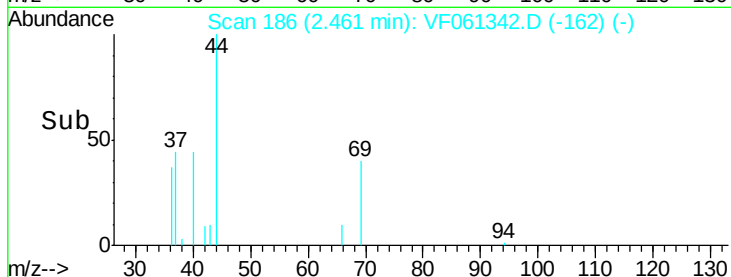
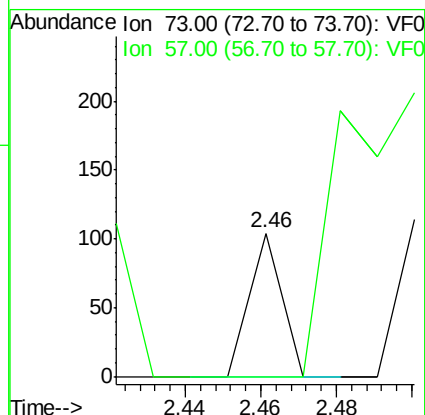
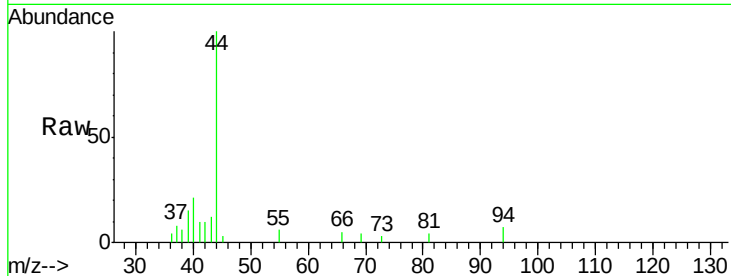




#19

Methyl tert-butyl Ether
 Concen: 1.412 ug/l
 RT: 2.46 min Scan# 186
 Delta R.T. 0.03 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

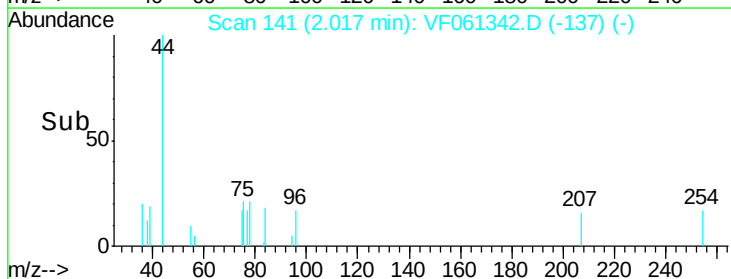
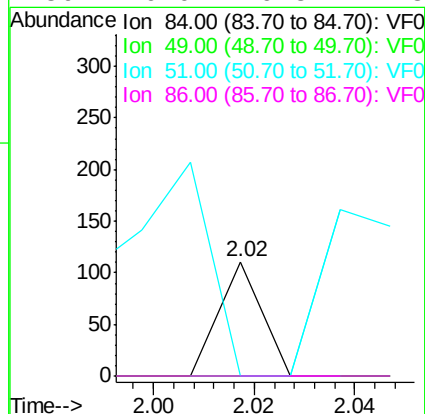
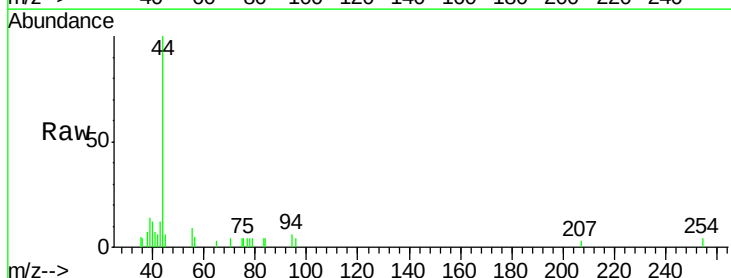
Tot Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.5	23.3#

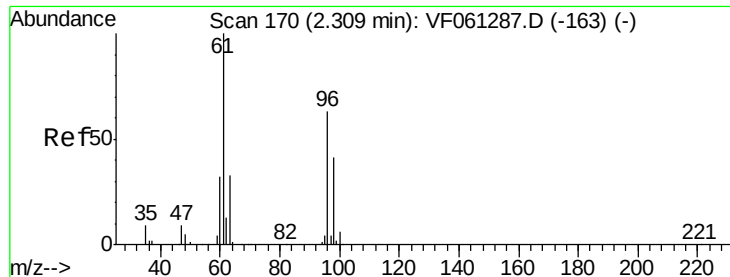


#20

Methylene Chloride
 Concen: 2.747 ug/l
 RT: 2.02 min Scan# 141
 Delta R.T. -0.16 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	0.0	116.6	175.0#
51	0.0	37.7	56.5#
86	0.0	49.8	74.8#





#21

trans-1,2-Dichloroethene

Concen: 7.699 ug/l

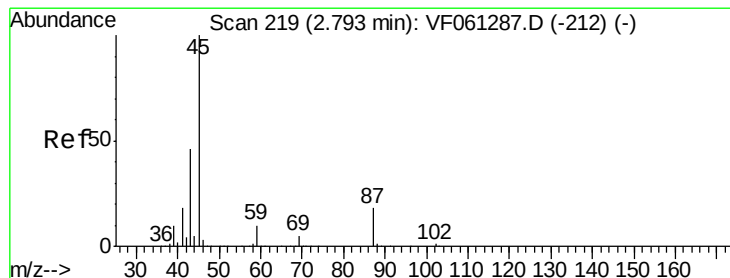
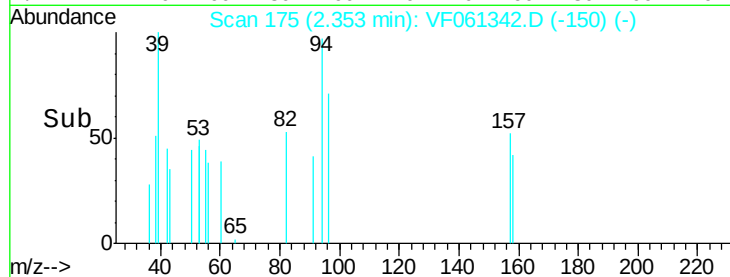
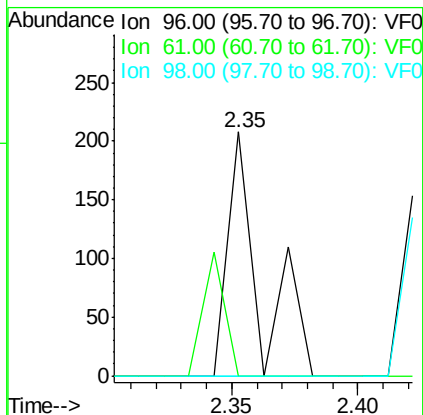
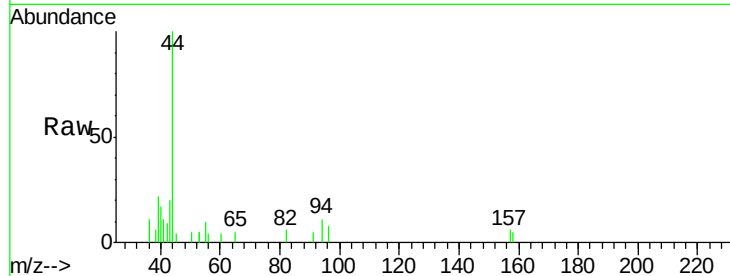
RT: 2.35 min Scan# 175

Delta R.T. 0.04 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tot Ion:	96	Resp:	188
Ion	Ratio	Lower	Upper
96	100		
61	0.0	127.0	190.4#
98	0.0	51.7	77.5#



#22

Diisopropyl ether

Concen: 7.817 ug/l

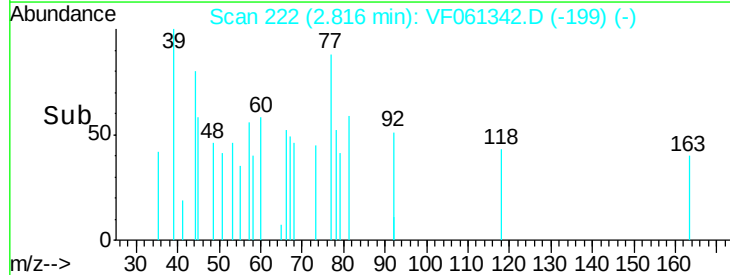
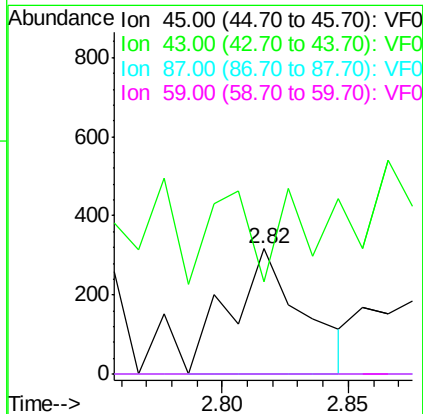
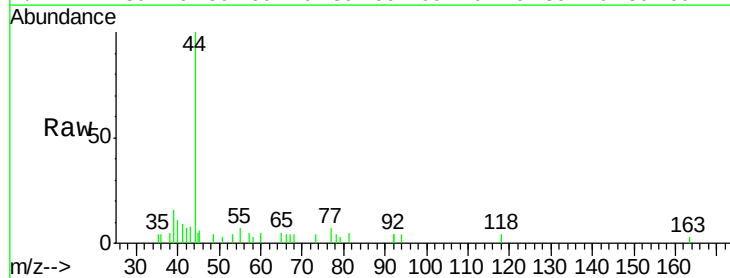
RT: 2.82 min Scan# 222

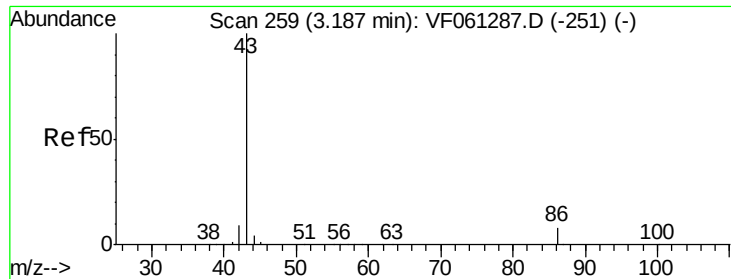
Delta R.T. 0.02 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tgt Ion:	45	Resp:	637
Ion	Ratio	Lower	Upper
45	100		
43	73.2	37.4	56.2#
87	0.0	14.2	21.2#
59	0.0	8.2	12.2#





#23

Vinyl Acetate

Concen: 24.043 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061342.D

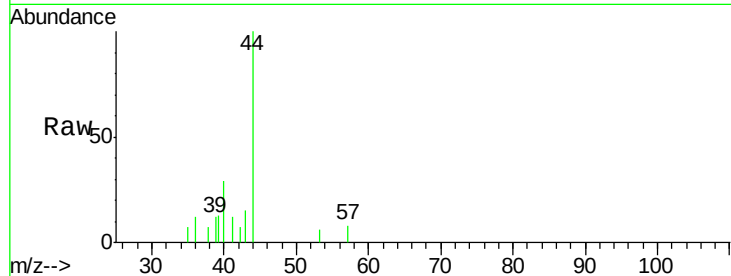
Acq: 10 Jan 2019 14:21

Tot Ion: 43 Resp: 573

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

250

200

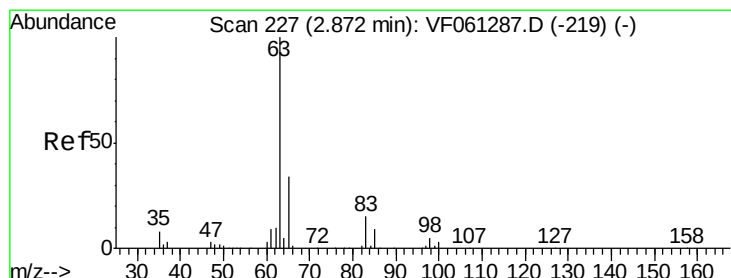
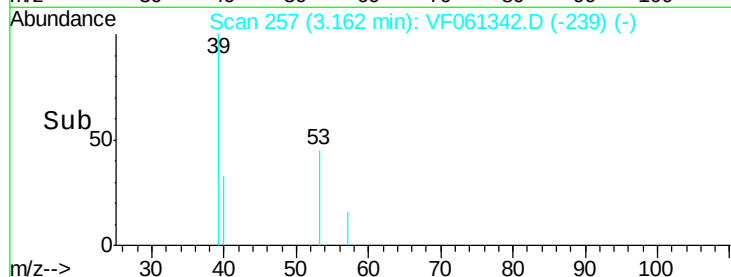
150

100

50

0

Time-->



#24

1,1-Dichloroethane

Concen: 1.867 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.05 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

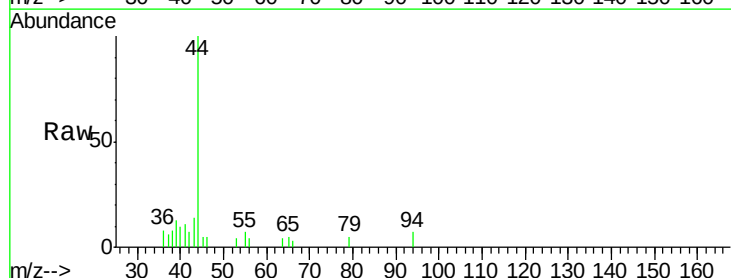
Tgt Ion: 63 Resp: 88

Ion Ratio Lower Upper

63 100

98 0.0 2.5 7.6#

100 0.0 1.7 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.83

200

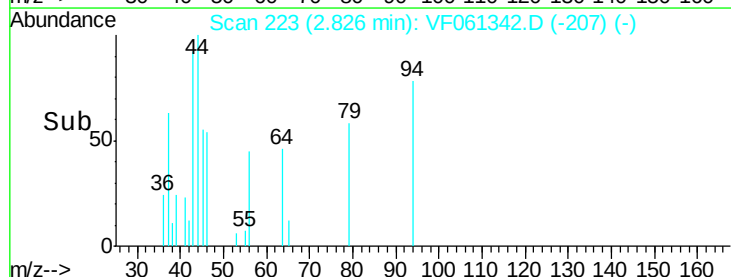
150

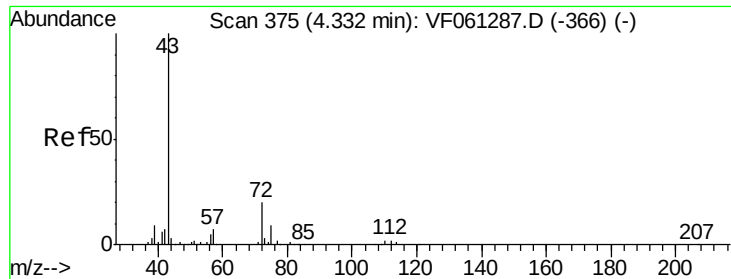
100

50

0

Time-->





#25

2-Butanone

Concen: 17.507 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061342.D

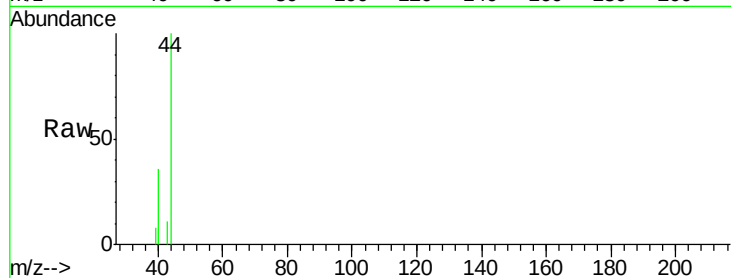
Acq: 10 Jan 2019 14:21

Tot Ion: 43 Resp: 160

Ion Ratio Lower Upper

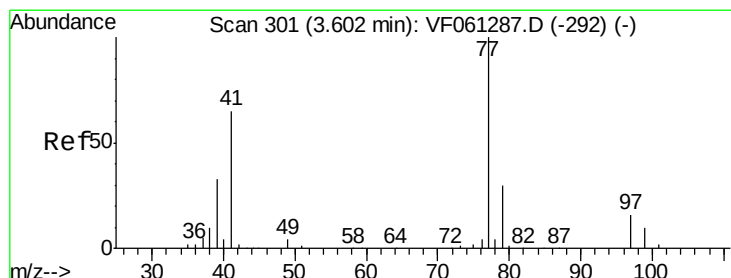
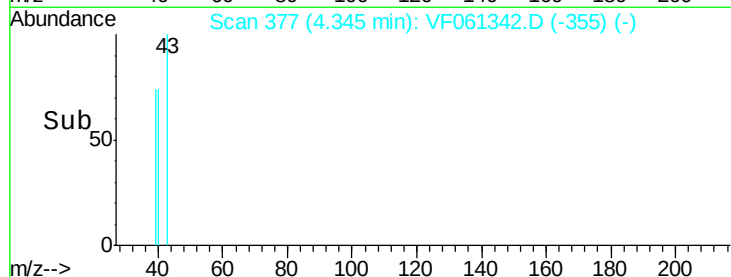
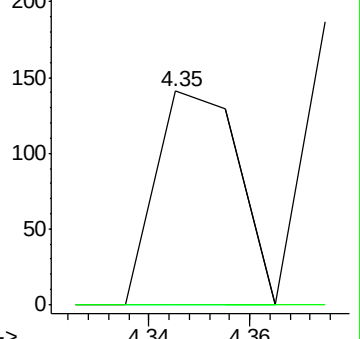
43 100

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



#26

2,2-Dichloropropane

Concen: 2.508 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.00 min

Lab File: VF061342.D

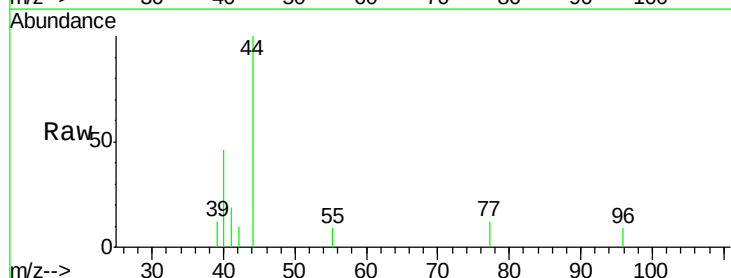
Acq: 10 Jan 2019 14:21

Tgt Ion: 77 Resp: 79

Ion Ratio Lower Upper

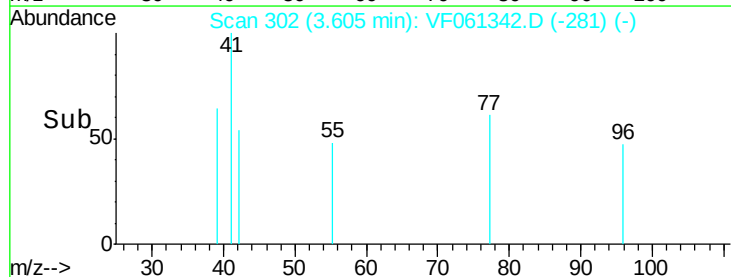
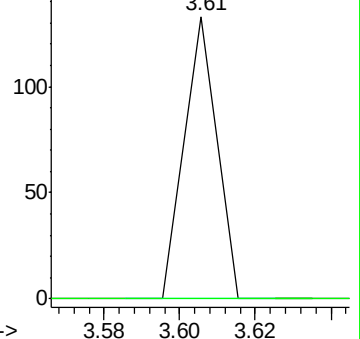
77 100

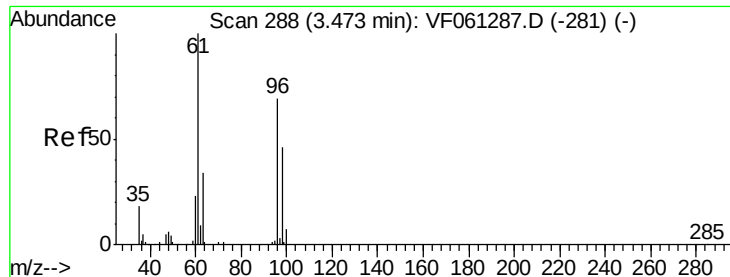
97 0.0 8.6 25.9#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

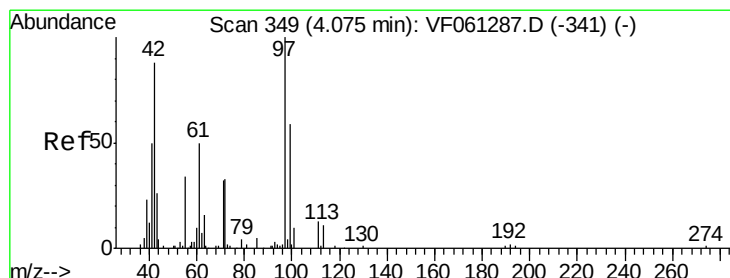
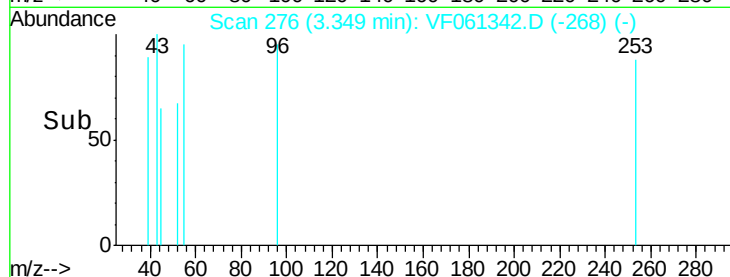
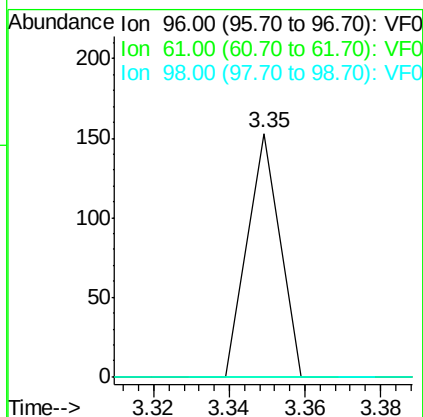
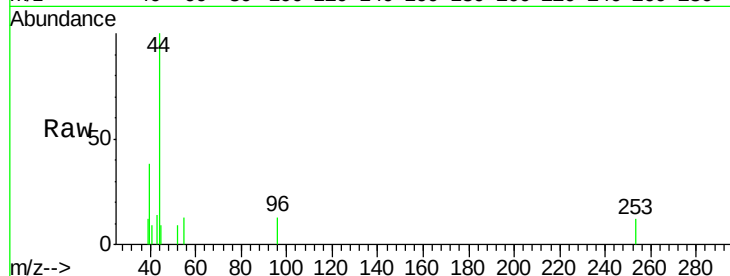




#27

cis-1,2-Dichloroethene
 Concen: 2.669 ug/l
 RT: 3.35 min Scan# 276
 Delta R.T. -0.12 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

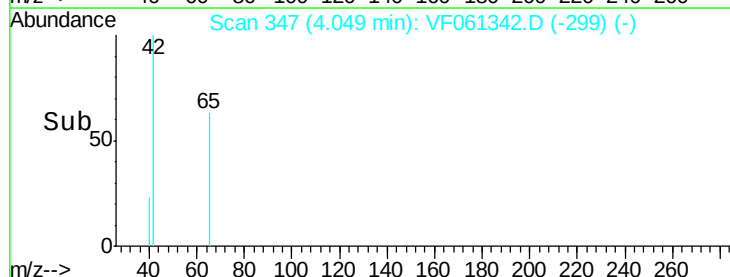
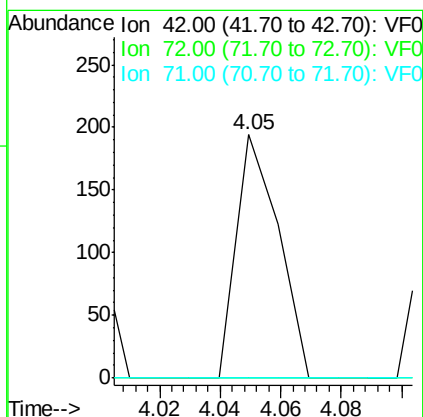
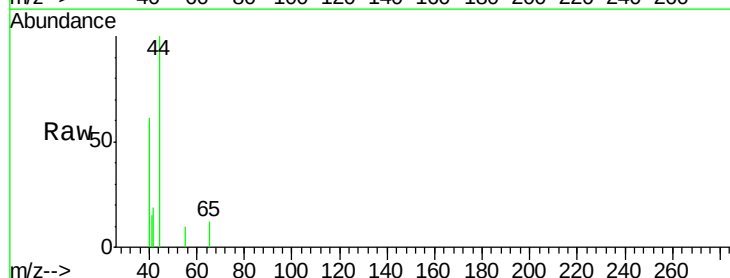
Tot Ion:	96	Resp:	91
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	288.2
98	0.0	0.0	132.2

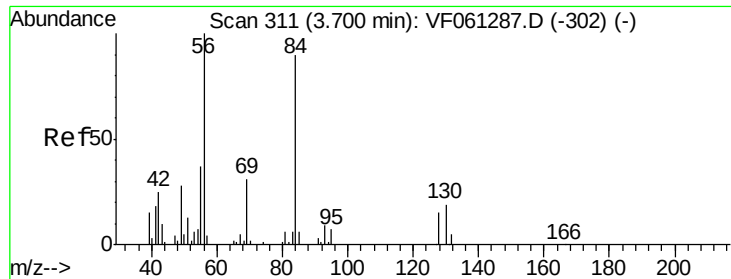


#29

Tetrahydrofuran
 Concen: 49.200 ug/l
 RT: 4.05 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

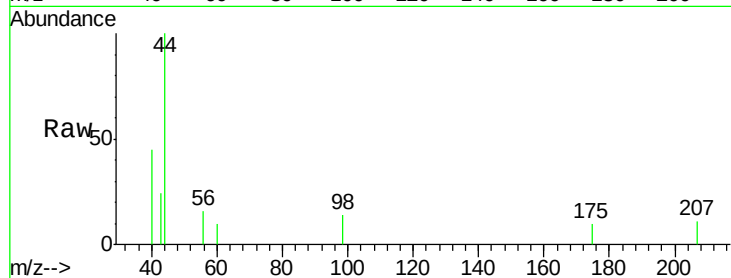
Tgt Ion:	42	Resp:	188
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#



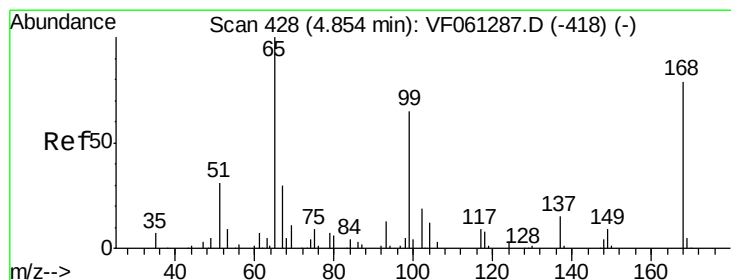
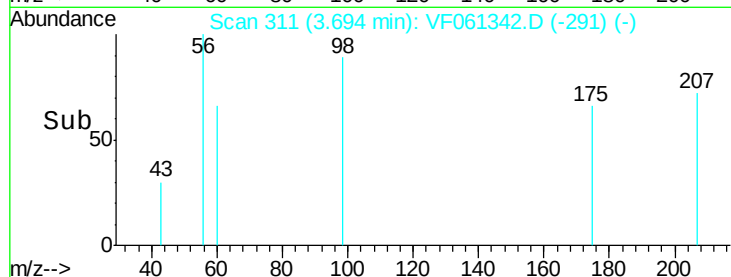
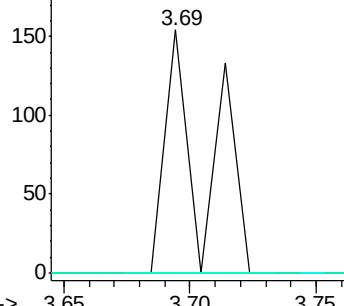


#31
Cyclohexane
Concen: 3.438 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tot Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
69 0.0 24.7 37.1#
84 0.0 72.2 108.4#

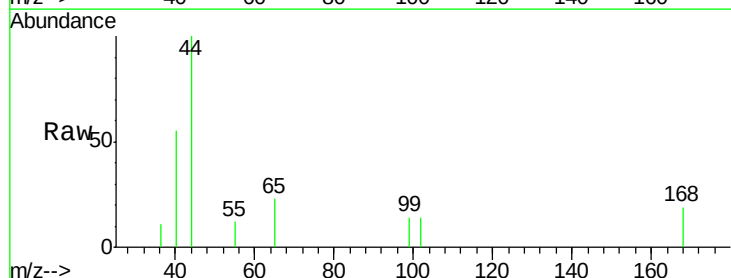


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

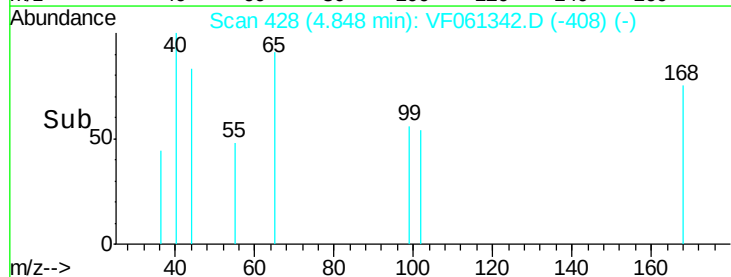
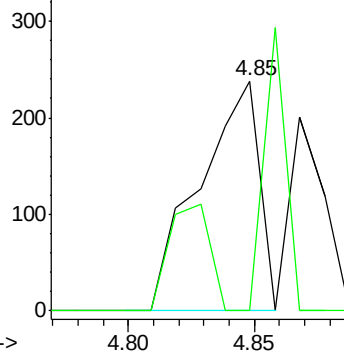


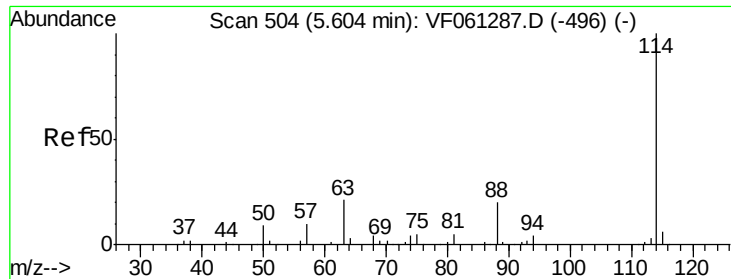
#33
1,2-Dichloroethane-d4
Concen: 16.059 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tgt Ion: 65 Resp: 392
Ion Ratio Lower Upper
65 100
67 0.0 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

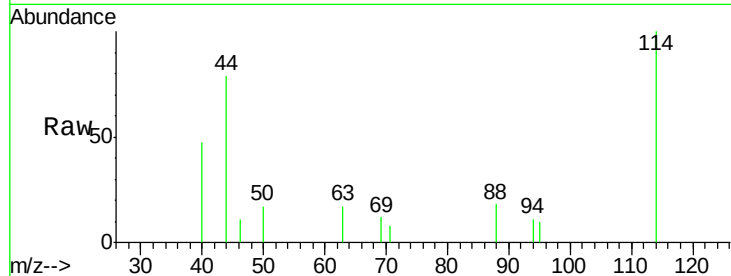
Tot Ion:114 Resp: 3189

Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.8

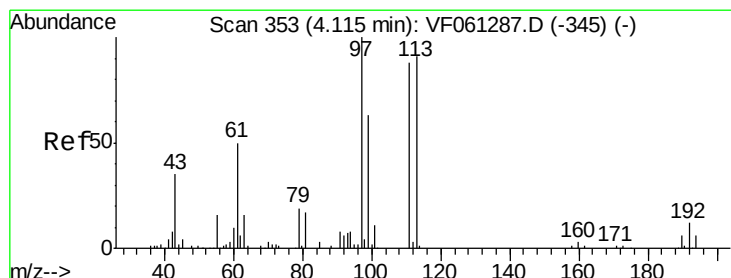
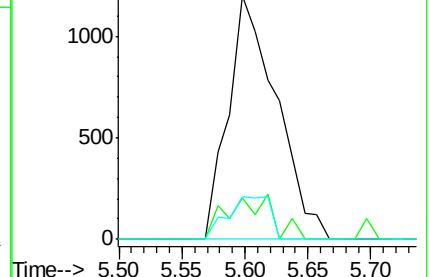
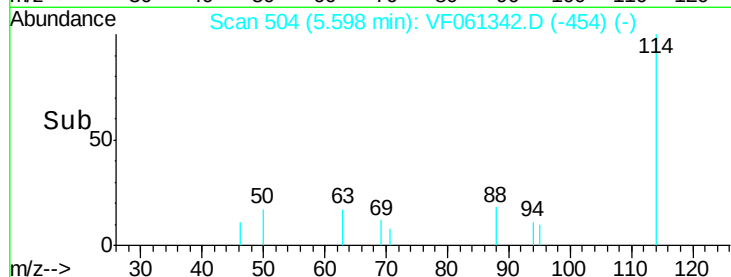
88 17.6 0.0 40.0



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: 34.097 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

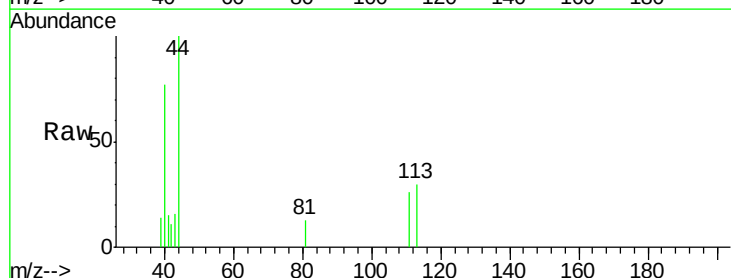
Tgt Ion:113 Resp: 832

Ion Ratio Lower Upper

113 100

111 86.4 78.0 117.0

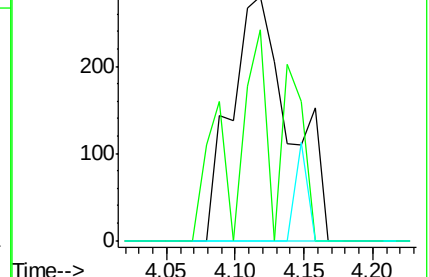
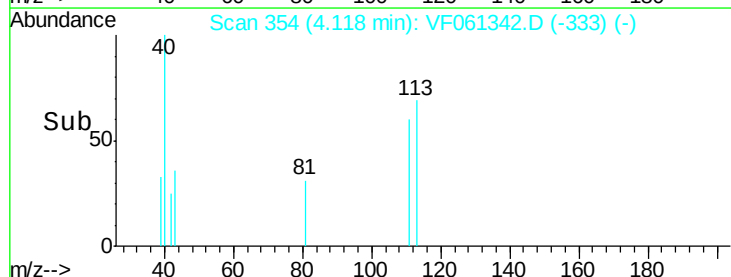
192 0.0 10.6 16.0#

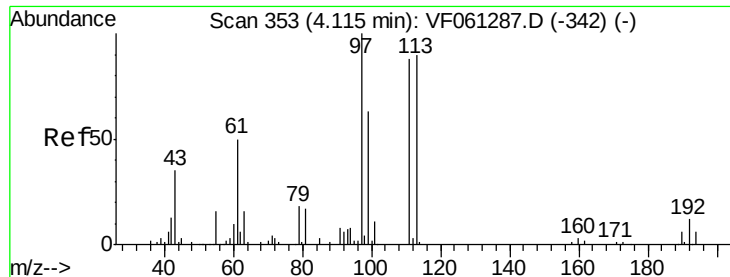


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 12.388 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

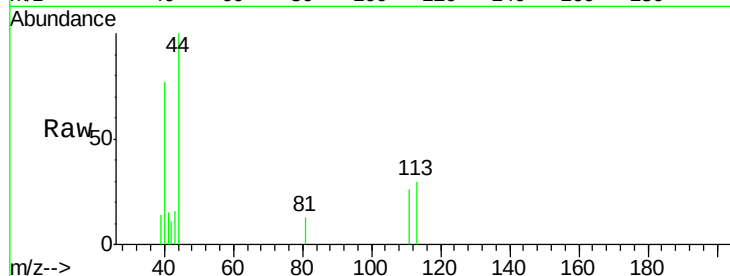
Tot Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

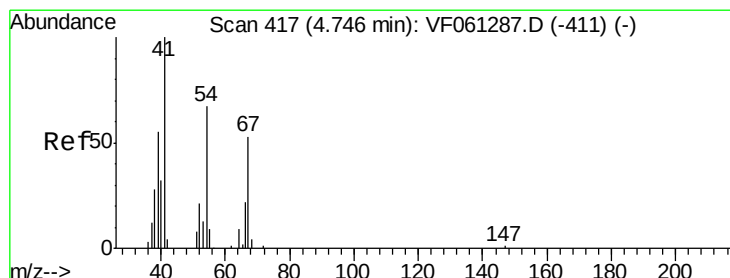
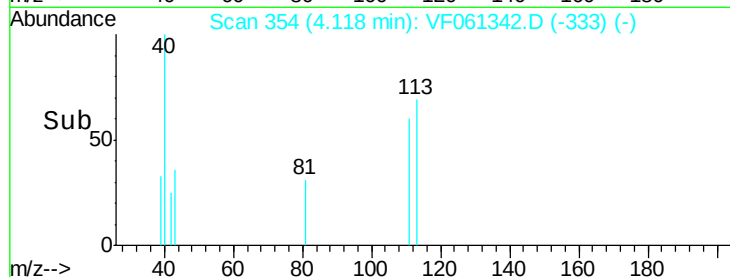
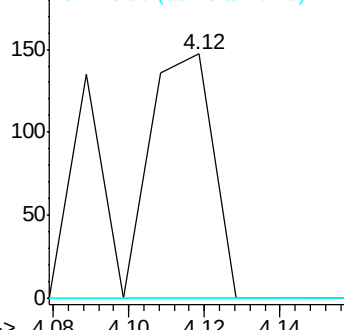
70 0.0 9.4 14.0#



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: 16.506 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.02 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tgt Ion: 41 Resp: 125

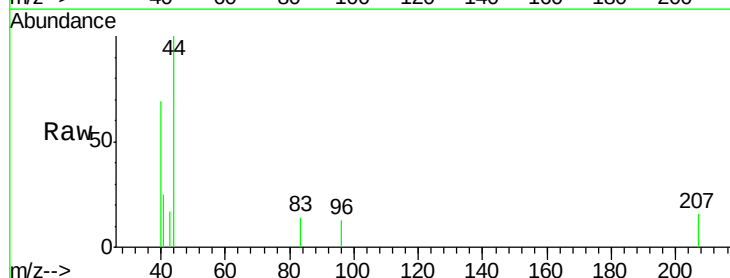
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#

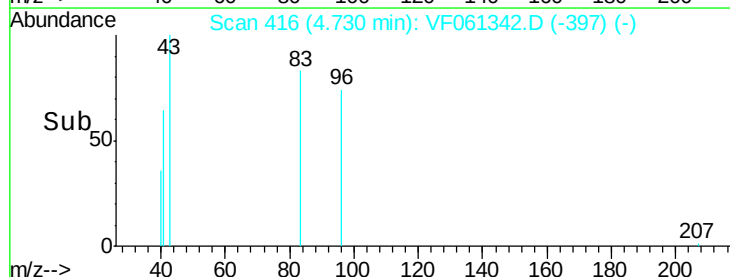
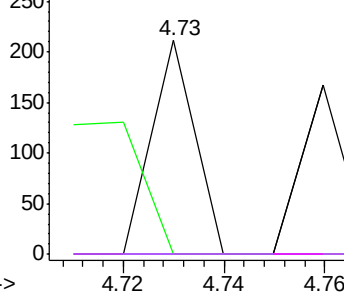


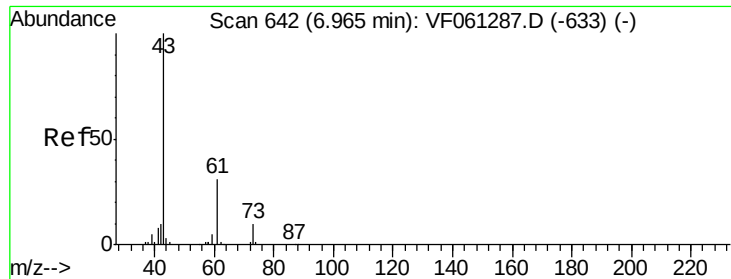
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 7.149 ug/l

RT: 6.94 min Scan# 640

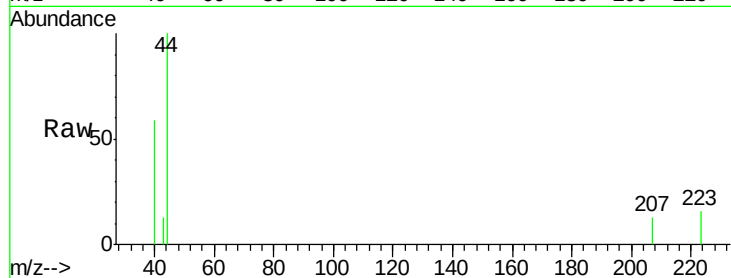
Delta R.T. -0.03 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tot Ion: 43 Resp: 128

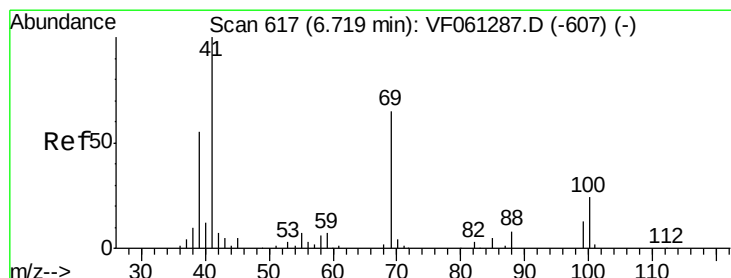
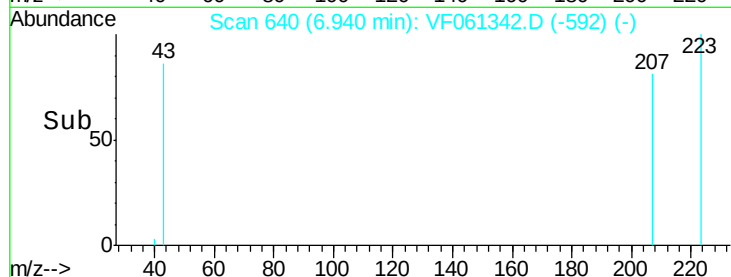
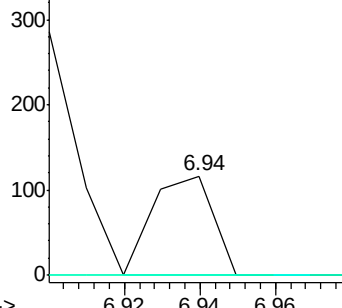
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.3	36.5#
87	0.0	0.2	0.4#



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: 8.605 ug/l

RT: 6.69 min Scan# 615

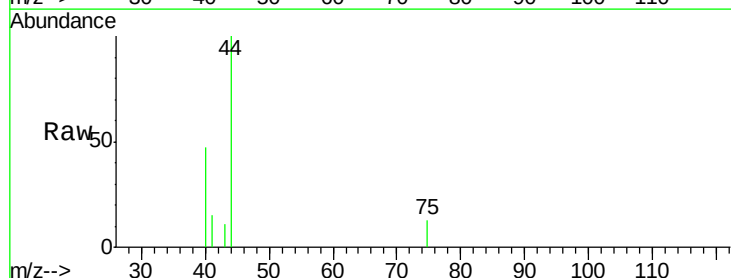
Delta R.T. -0.03 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tgt Ion: 41 Resp: 100

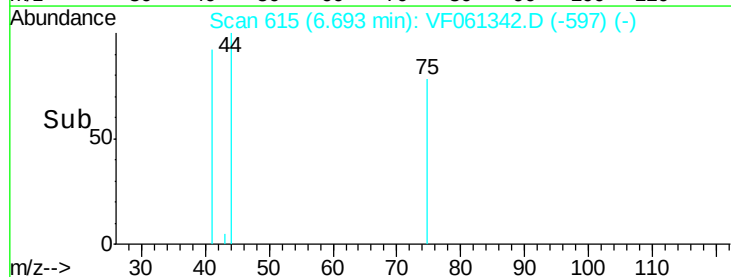
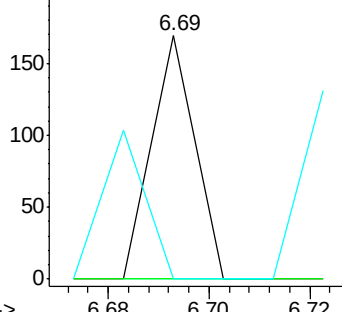
Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.5	77.3#
39	0.0	44.1	66.1#

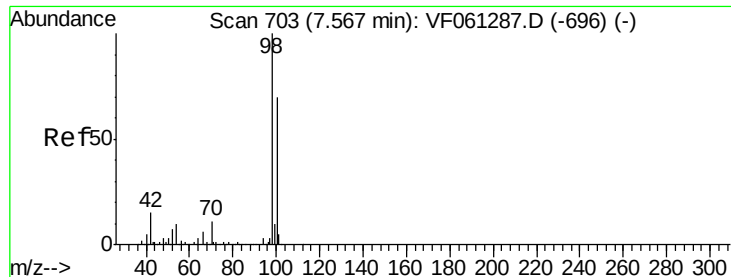


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 48.304 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF061342.D

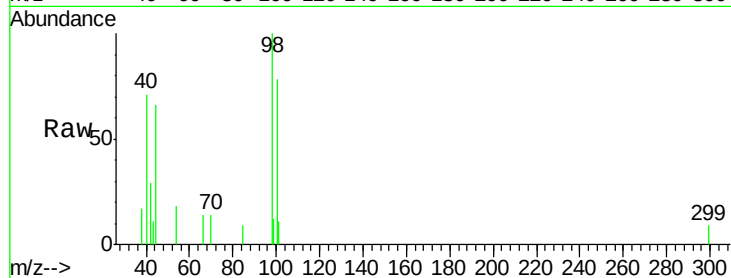
Acq: 10 Jan 2019 14:21

Tot Ion: 98 Resp: 3488

Ion Ratio Lower Upper

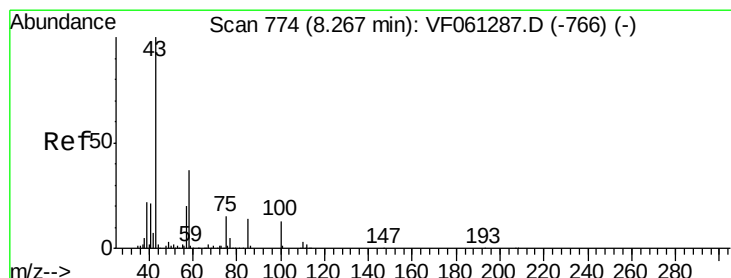
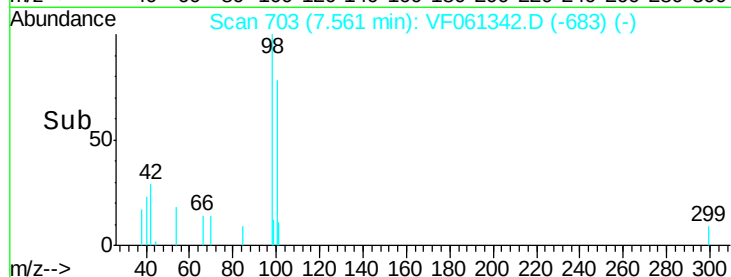
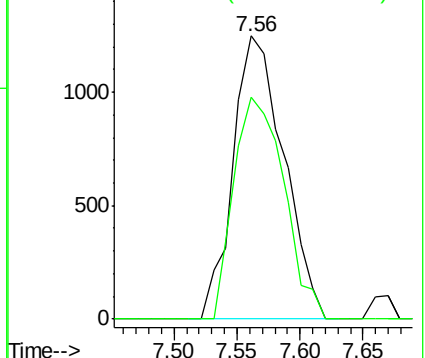
98 100

100 78.4 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: 37.591 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.05 min

Lab File: VF061342.D

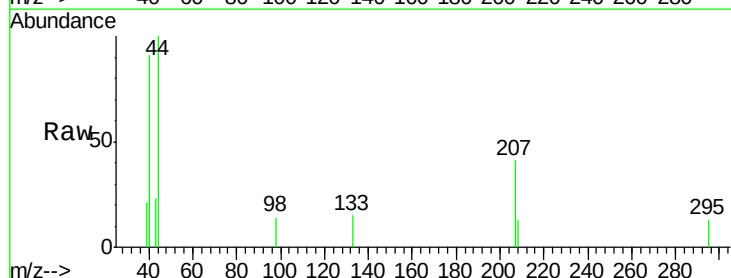
Acq: 10 Jan 2019 14:21

Tgt Ion: 43 Resp: 508

Ion Ratio Lower Upper

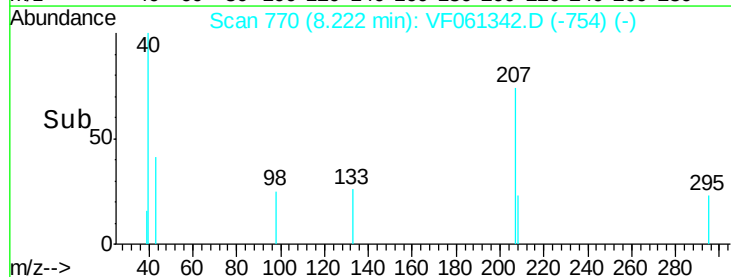
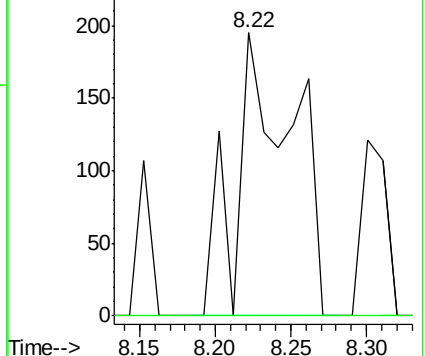
43 100

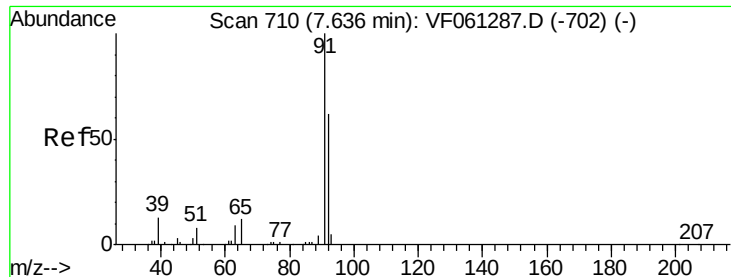
58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 1.754 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF061342.D

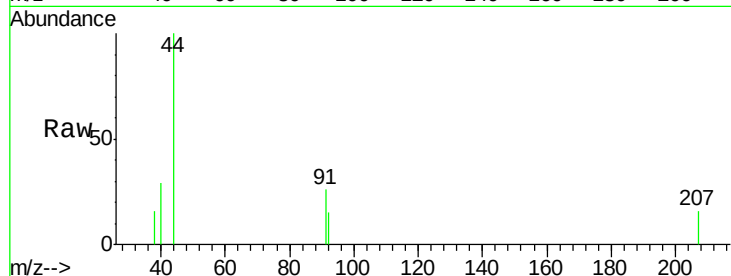
Acq: 10 Jan 2019 14:21

Tot Ion: 92 Resp: 98

Ion Ratio Lower Upper

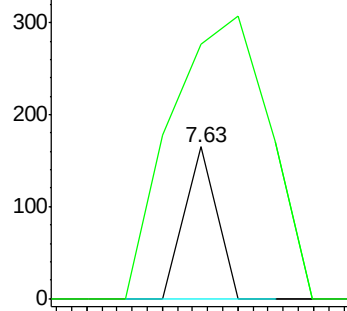
92 100

91 167.9 129.2 193.8

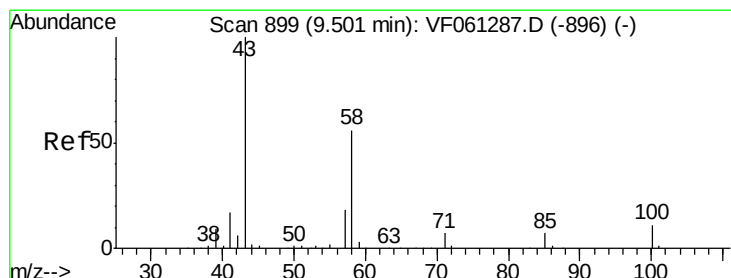
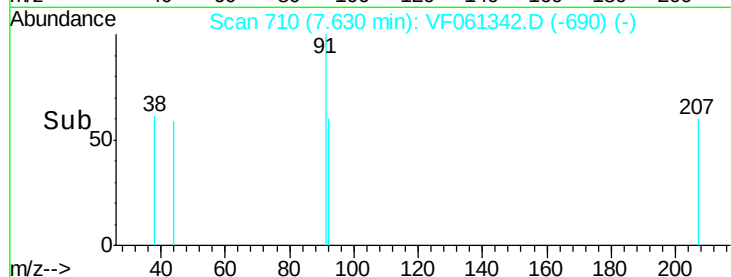


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#59

2-Hexanone

Concen: 34.050 ug/l

RT: 9.50 min Scan# 900

Delta R.T. 0.00 min

Lab File: VF061342.D

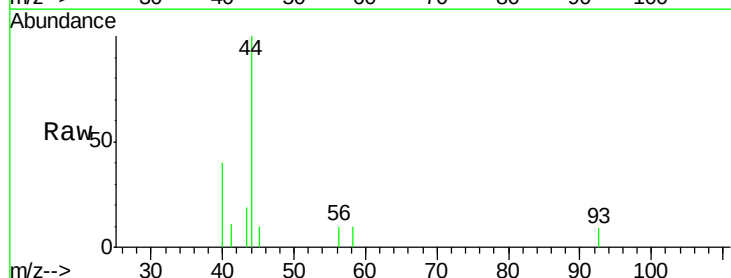
Acq: 10 Jan 2019 14:21

Tgt Ion: 43 Resp: 326

Ion Ratio Lower Upper

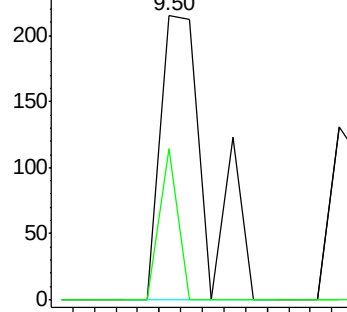
43 100

58 53.0 25.6 76.8

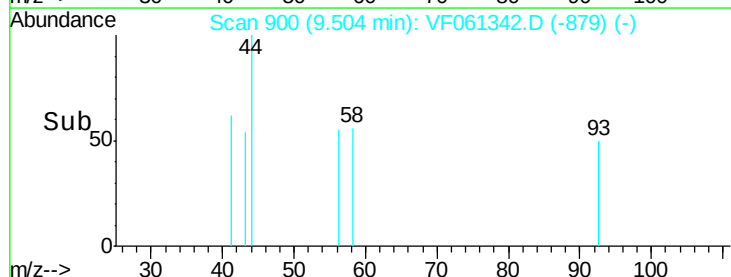


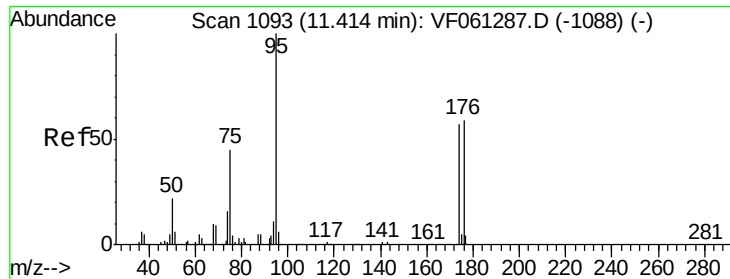
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#62

4-Bromofluorobenzene

Concen: 29.305 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

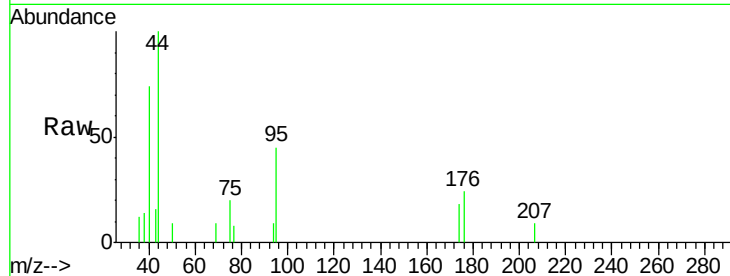
Tot Ion: 95 Resp: 924

Ion Ratio Lower Upper

95 100

174 40.2 0.0 114.2

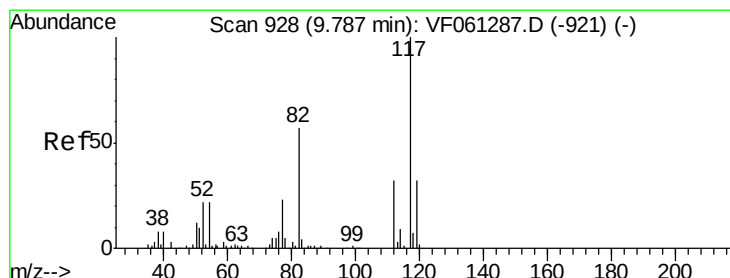
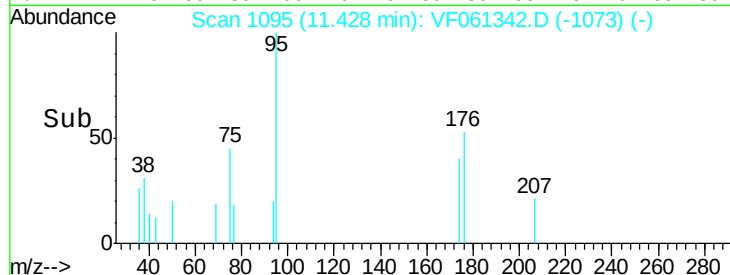
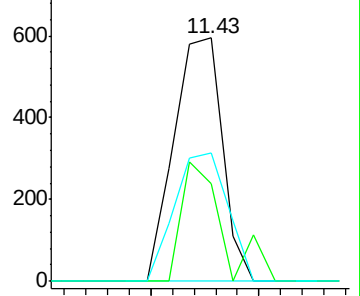
176 52.9 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

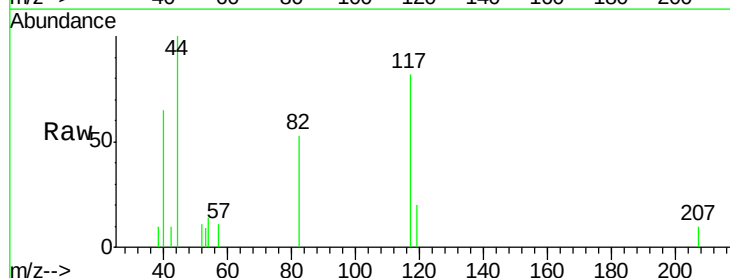
Tgt Ion: 117 Resp: 2073

Ion Ratio Lower Upper

117 100

82 64.7 45.3 67.9

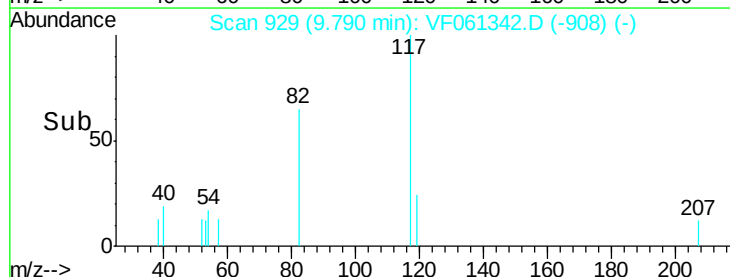
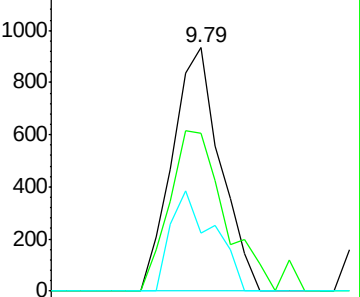
119 24.1 25.4 38.0#

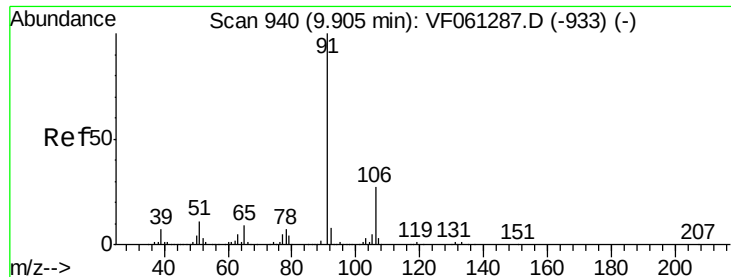


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

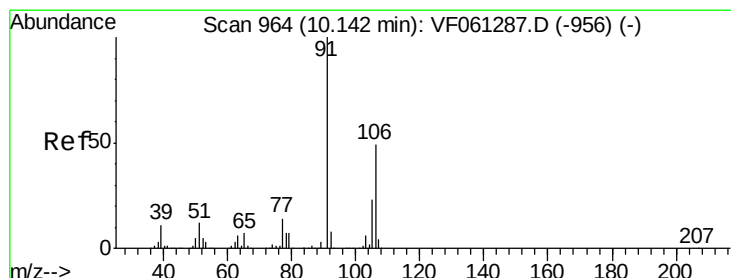
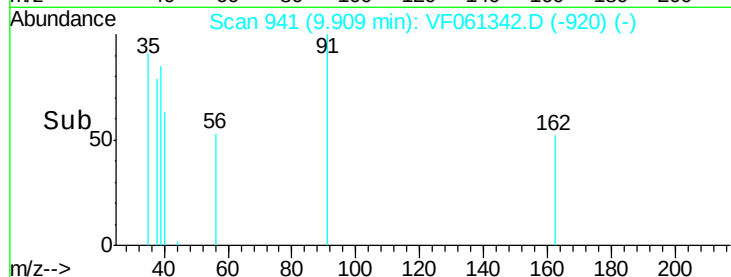
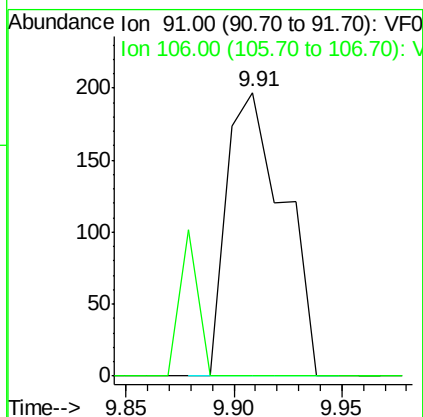
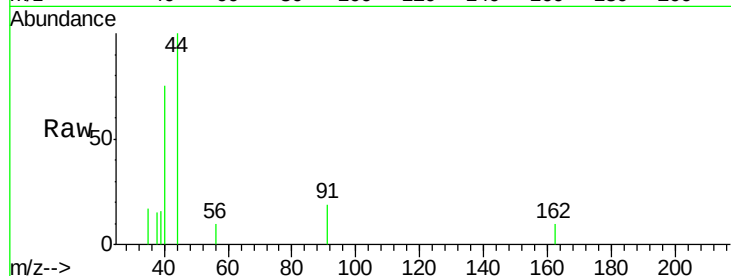
Ion 119.00 (118.70 to 119.70): V





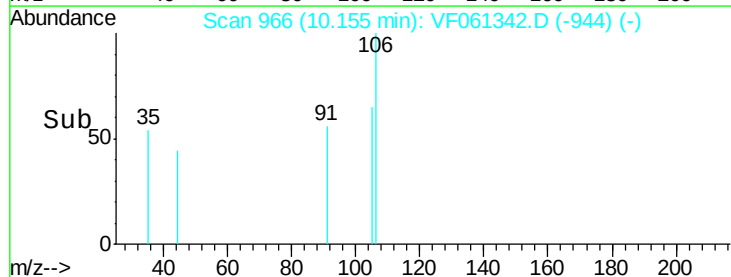
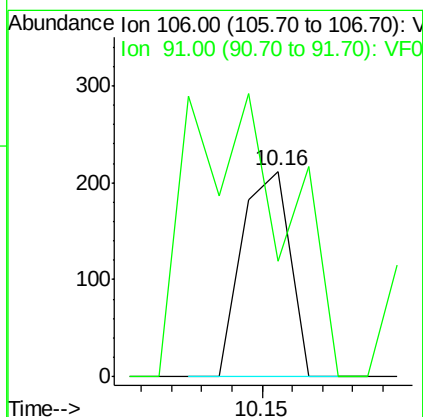
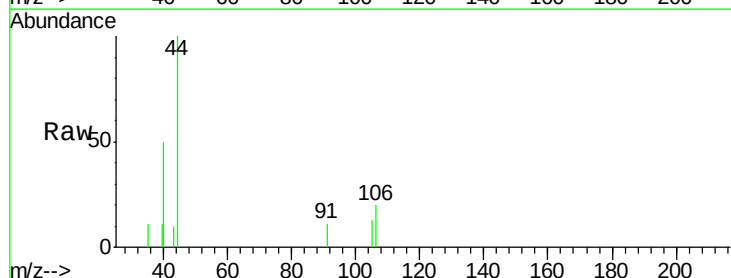
#67
Ethyl Benzene
Concen: 4.485 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.00 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

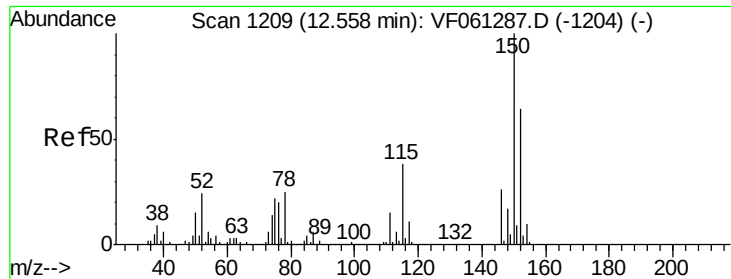
Tot Ion: 91 Resp: 362
Ion Ratio Lower Upper
91 100
106 0.0 21.4 32.2#



#68
m/p-Xylenes
Concen: 8.311 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tgt Ion: 106 Resp: 234
Ion Ratio Lower Upper
106 100
91 56.1 165.0 247.6#

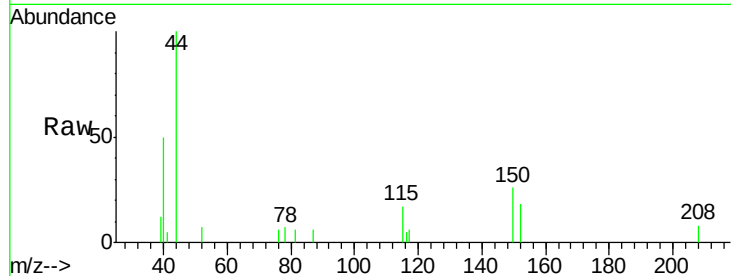




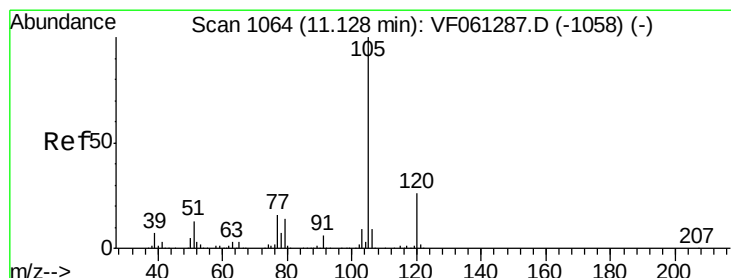
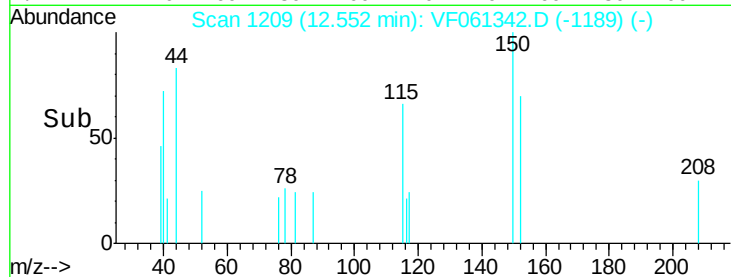
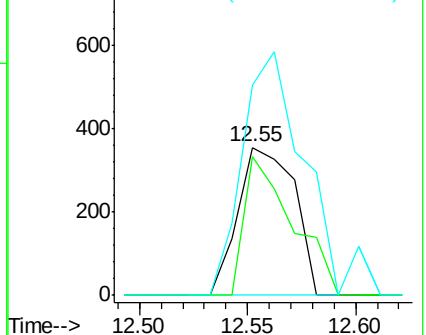
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tot Ion:152 Resp: 648
Ion Ratio Lower Upper
152 100
115 93.8 29.6 88.9#
150 142.4 0.0 315.4



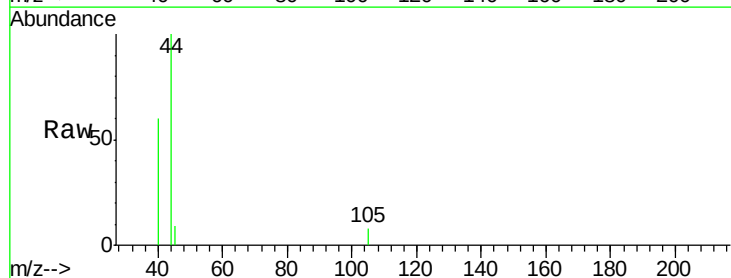
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



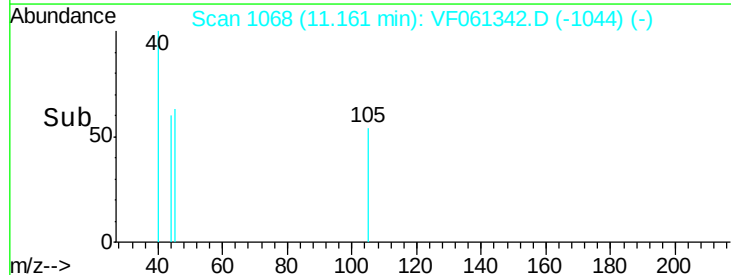
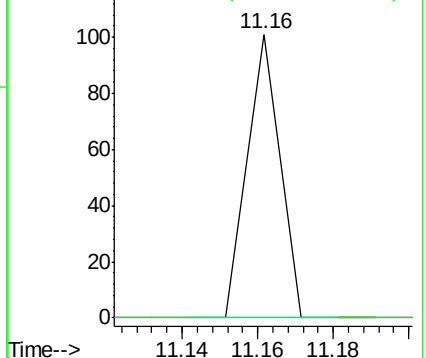
#73

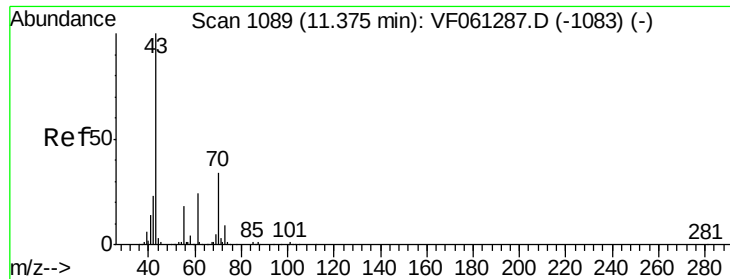
Isopropylbenzene
Concen: 1.052 ug/l
RT: 11.16 min Scan# 1068
Delta R.T. 0.03 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tgt Ion:105 Resp: 60
Ion Ratio Lower Upper
105 100
120 0.0 12.9 38.7#



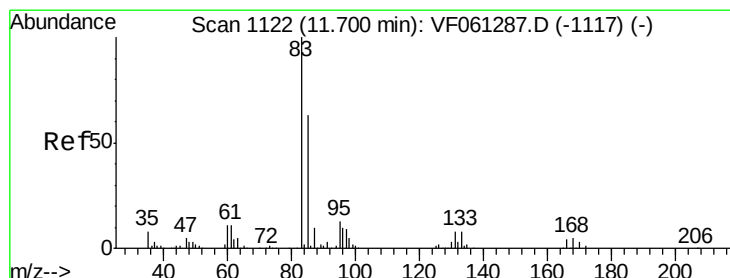
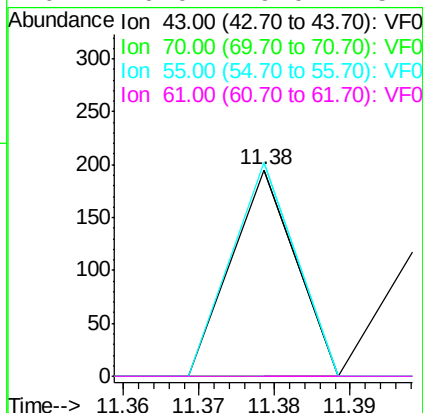
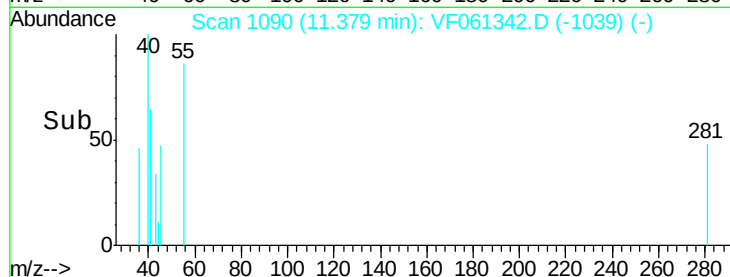
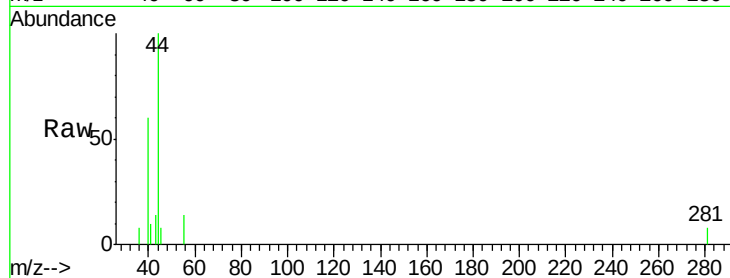
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





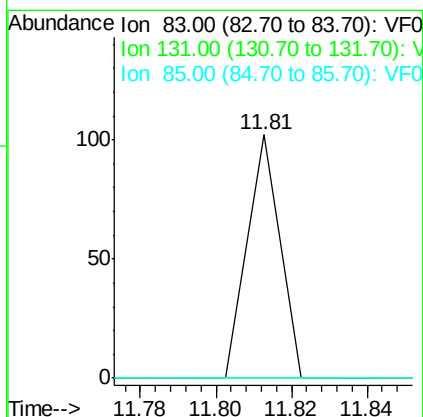
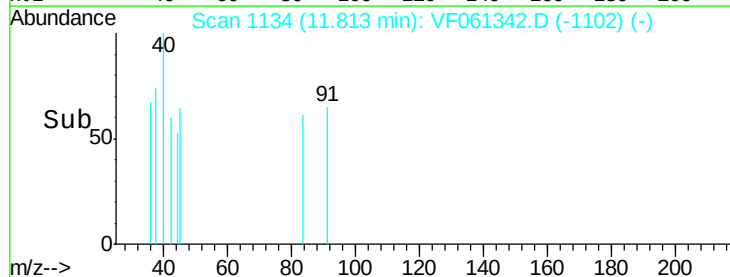
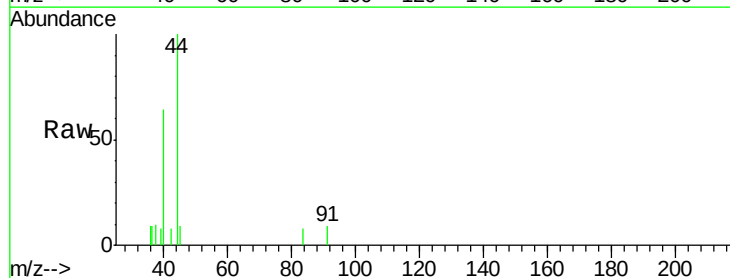
#74
N-amvl acetate
Concen: 8.872 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

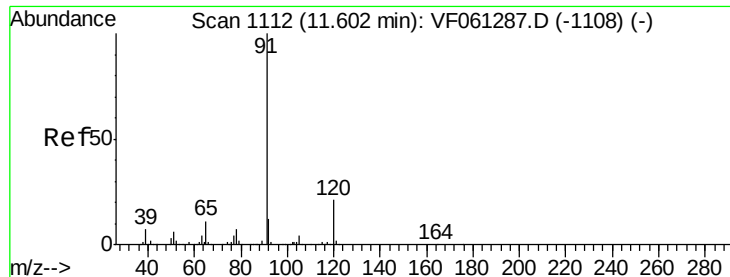
Tot Ion:	43	Resp:	115
Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.4	41.0#
55	103.6	14.7	22.1#
61	0.0	19.0	28.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 6.636 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. 0.11 min
Lab File: VF061342.D
Acq: 10 Jan 2019 14:21

Tgt Ion:	83	Resp:	60
Ion	Ratio	Lower	Upper
83	100		
131	0.0	3.9	11.7#
85	0.0	31.6	94.7#





#78

n-propylbenzene

Concen: 1.427 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061342.D

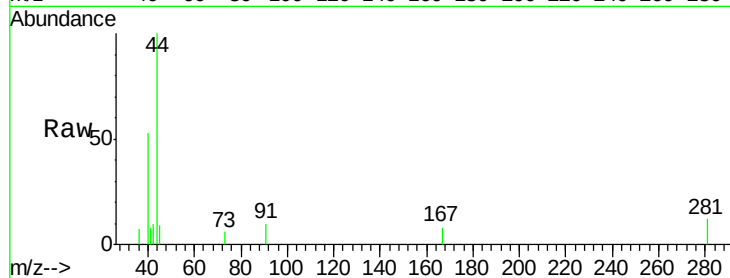
Acq: 10 Jan 2019 14:21

Tot Ion: 91 Resp: 97

Ion Ratio Lower Upper

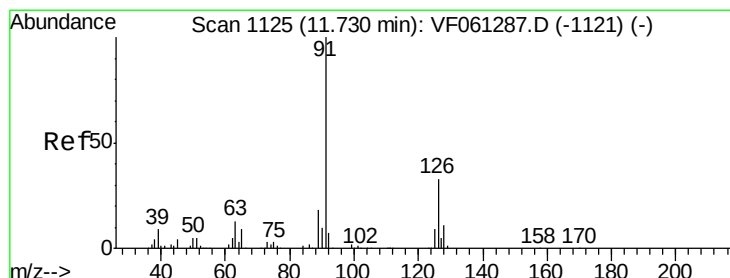
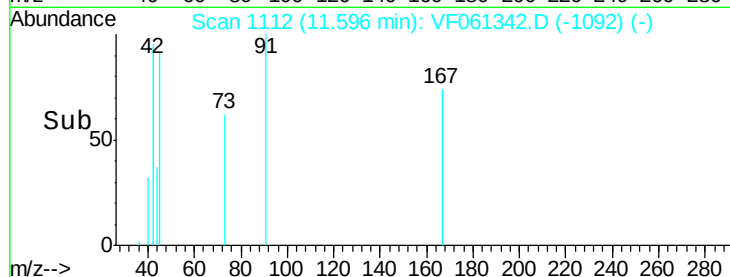
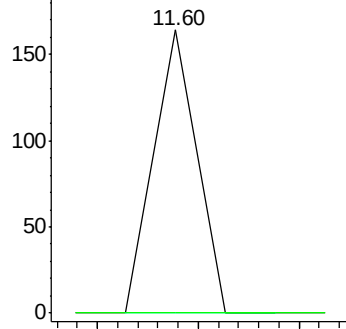
91 100

120 0.0 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 4.171 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VF061342.D

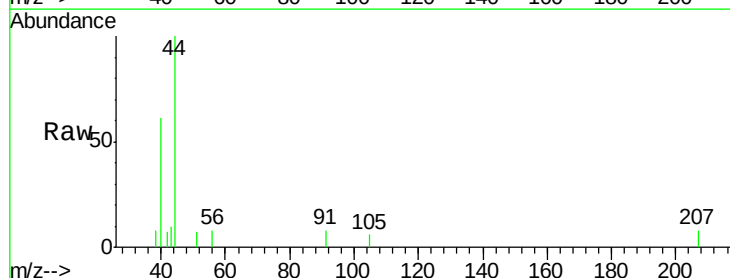
Acq: 10 Jan 2019 14:21

Tgt Ion: 91 Resp: 158

Ion Ratio Lower Upper

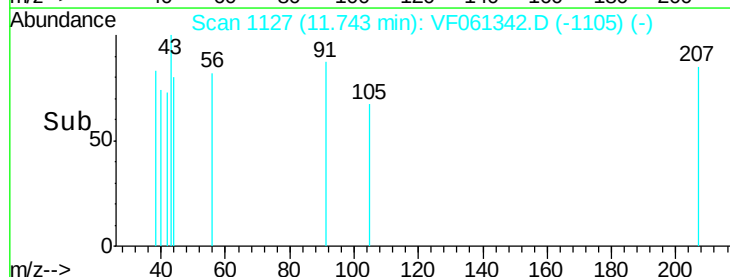
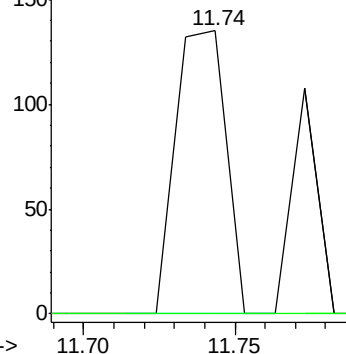
91 100

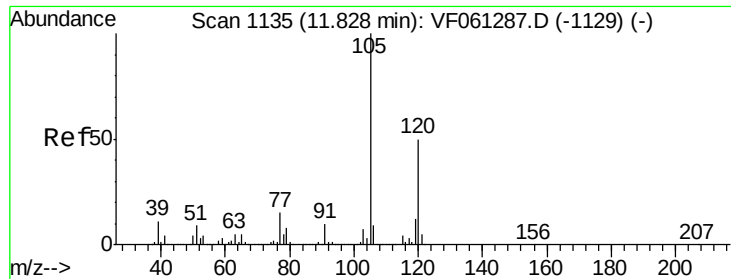
126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

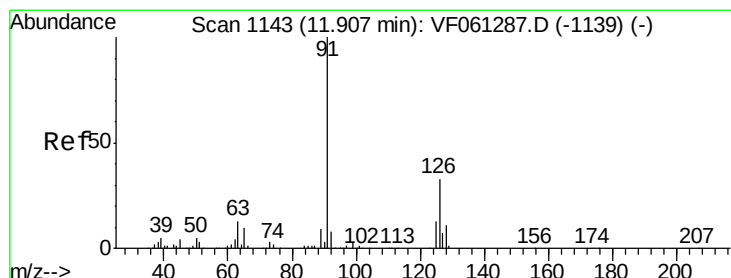
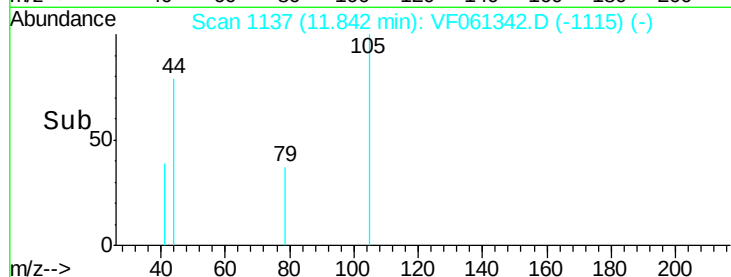
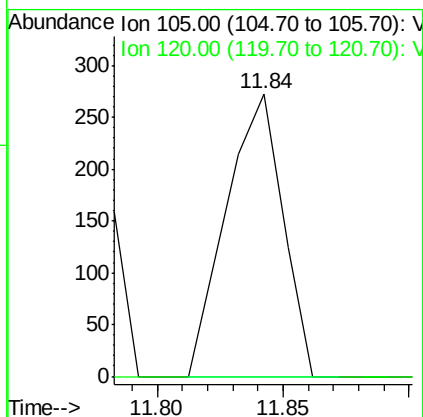
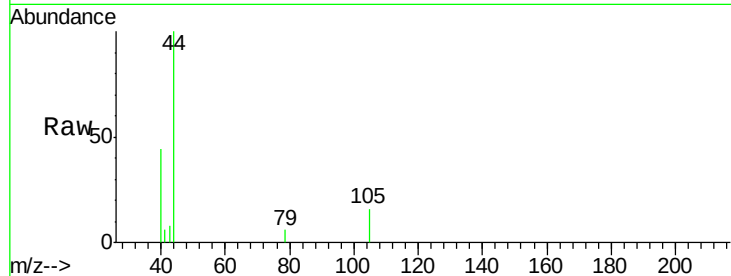
Ion 126.00 (125.70 to 126.70): V





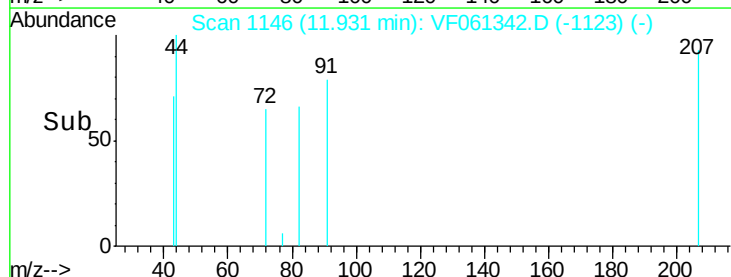
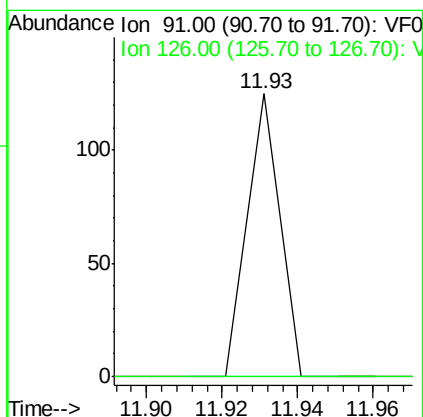
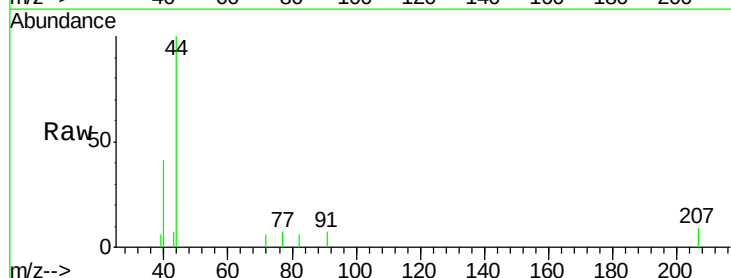
#80
 1,3,5-Trimethylbenzene
 Concen: 9.389 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

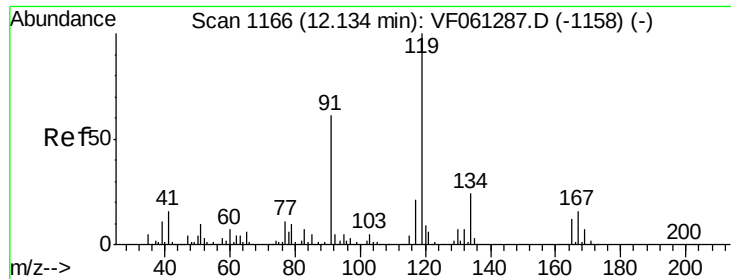
Tot Ion: 105 Resp: 426
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.2 75.6#



#82
 4-Chlorotoluene
 Concen: 1.923 ug/l
 RT: 11.93 min Scan# 1146
 Delta R.T. 0.02 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

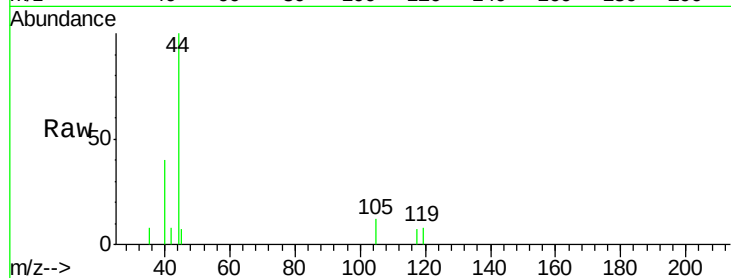
Tgt Ion: 91 Resp: 74
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.4 49.4#



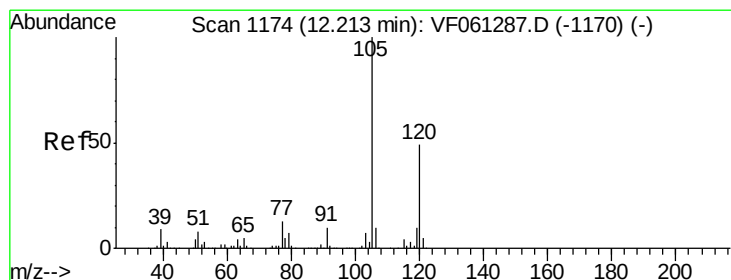
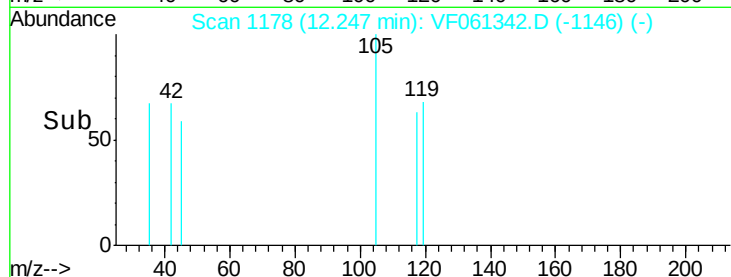
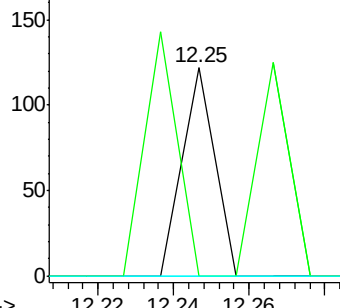


#83
 tert-Butylbenzene
 Concen: 1.593 ug/l
 RT: 12.25 min Scan# 1178
 Delta R.T. 0.11 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

Tot Ion:119 Resp: 72
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.8 92.4#
 134 0.0 11.9 35.9#

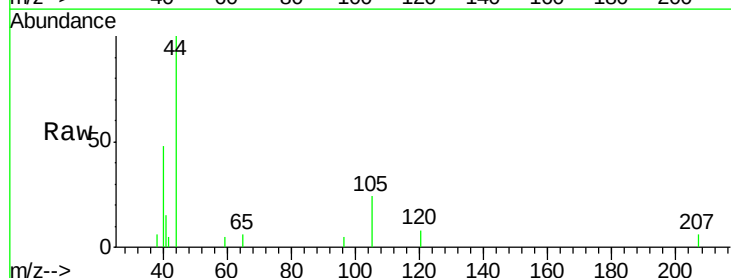


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

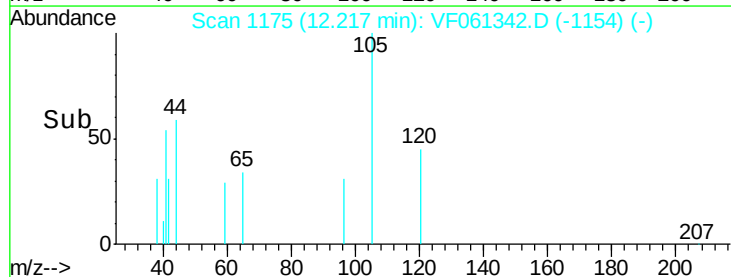
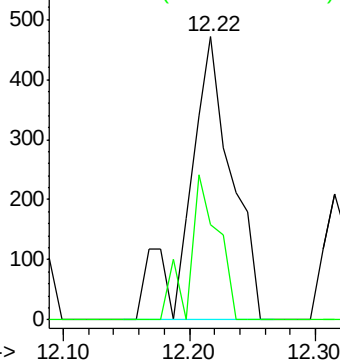


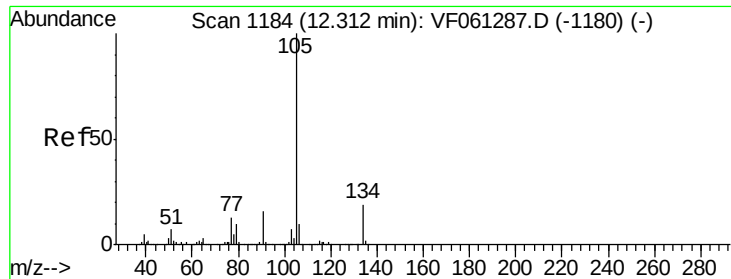
#84
 1,2,4-Trimethylbenzene
 Concen: 24.841 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

Tgt Ion:105 Resp: 1119
 Ion Ratio Lower Upper
 105 100
 120 33.8 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: 6.277 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF061342.D

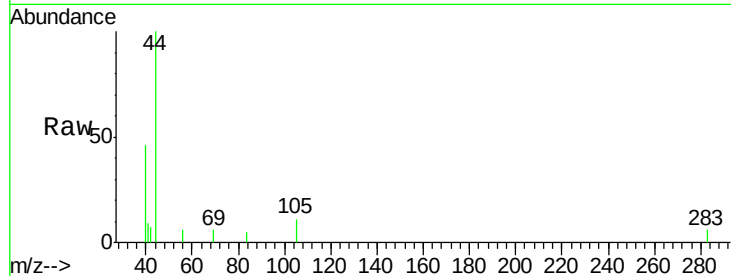
Acq: 10 Jan 2019 14:21

Tot Ion:105 Resp: 404

Ion Ratio Lower Upper

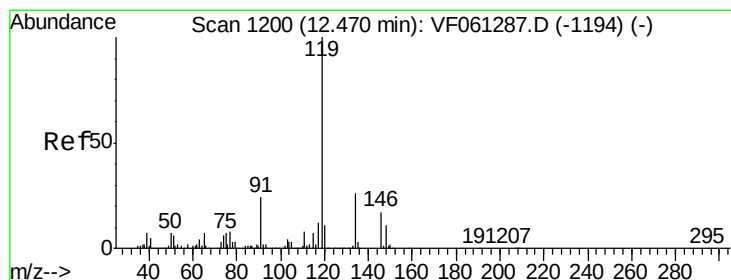
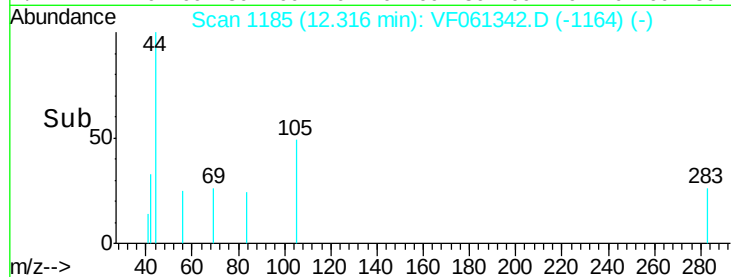
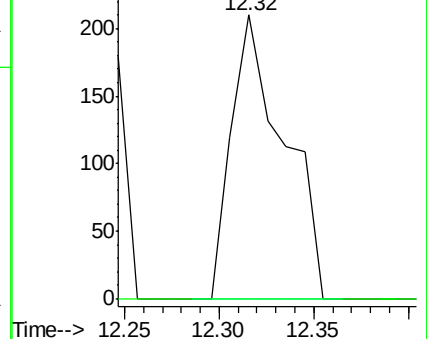
105 100

134 0.0 9.7 28.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.348 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

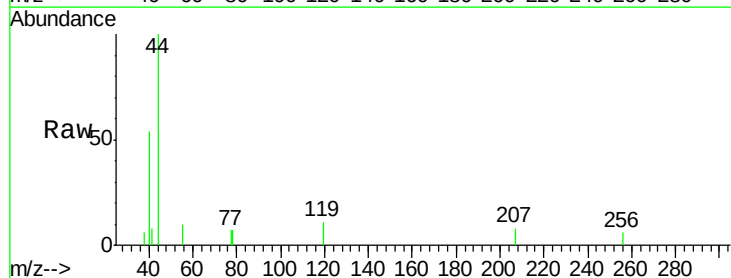
Tgt Ion:119 Resp: 280

Ion Ratio Lower Upper

119 100

134 0.0 13.0 39.0#

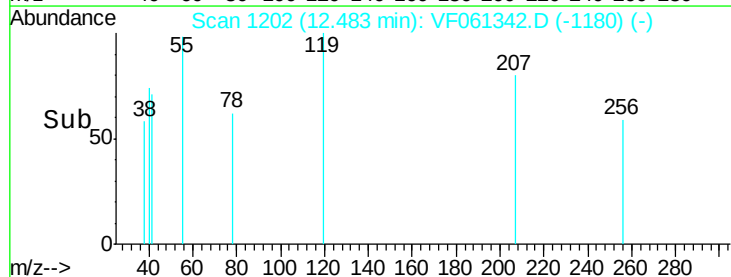
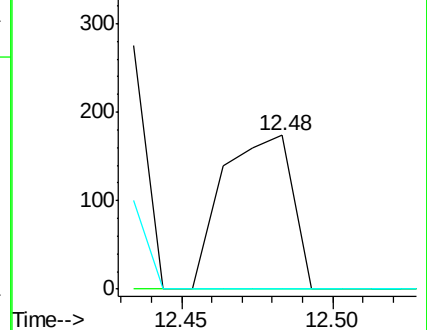
91 0.0 12.2 36.4#

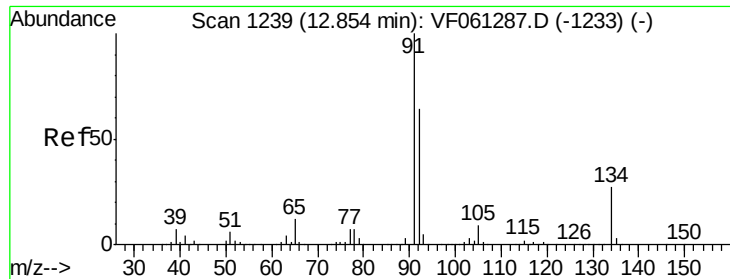


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 7.715 ug/l

RT: 12.85 min Scan# 1239

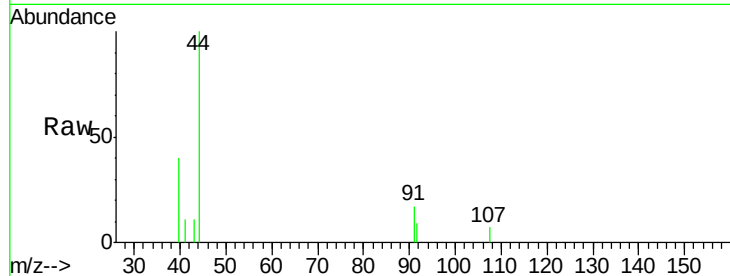
Delta R.T. -0.01 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tot Ion: 91 Resp: 415

Ion	Ratio	Lower	Upper
91	100		
92	54.8	32.1	96.3
134	0.0	13.4	40.1#

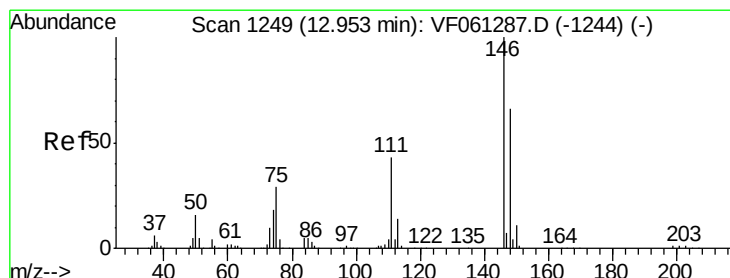
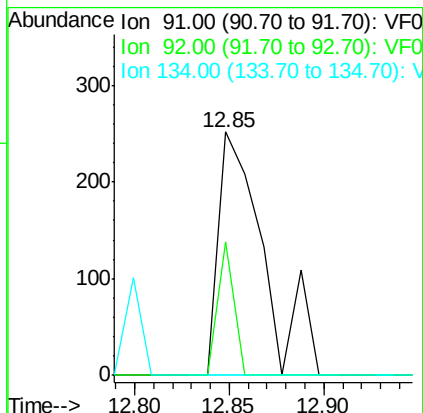
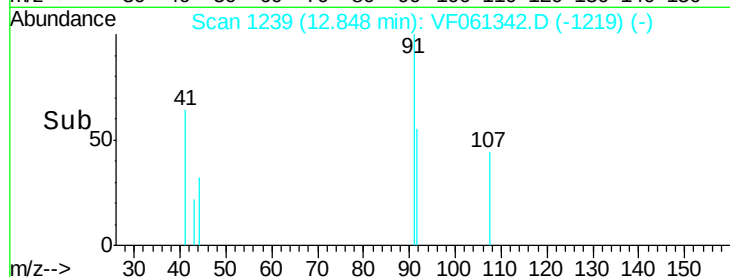


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

Time-->



#91

1,2-Dichlorobenzene

Concen: 6.101 ug/l

RT: 12.94 min Scan# 1248

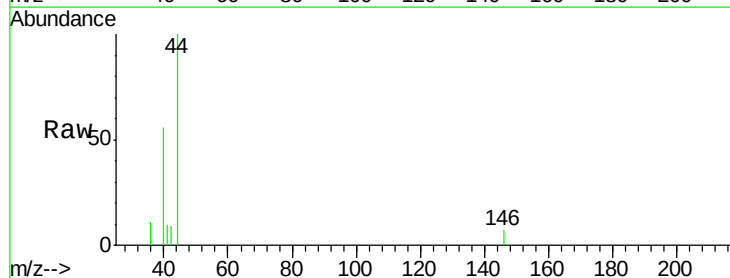
Delta R.T. -0.02 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

Tgt Ion: 146 Resp: 129

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.3#
148	0.0	33.1	99.2#

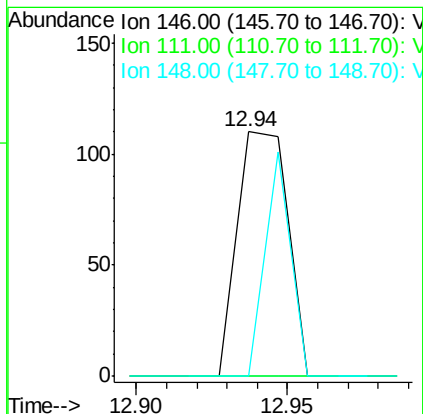
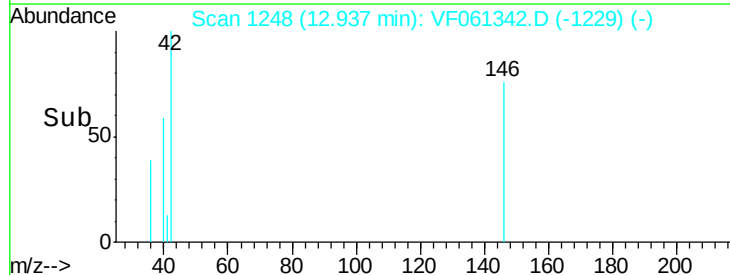


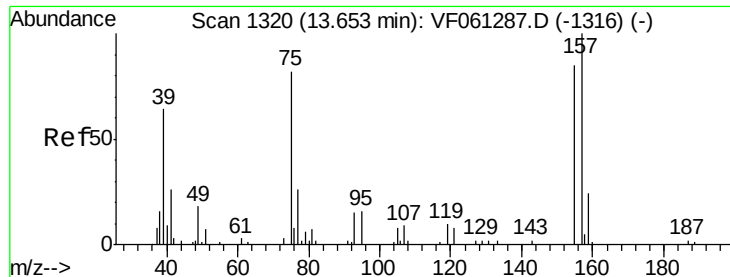
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.133 ug/l

RT: 13.70 min Scan# 1325

Delta R.T. 0.04 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

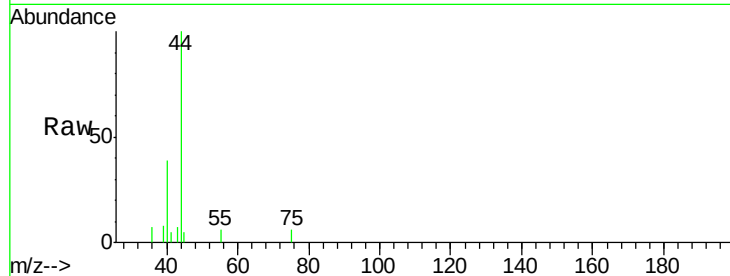
Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

155 0.0 51.3 154.0#

157 0.0 60.7 182.0#

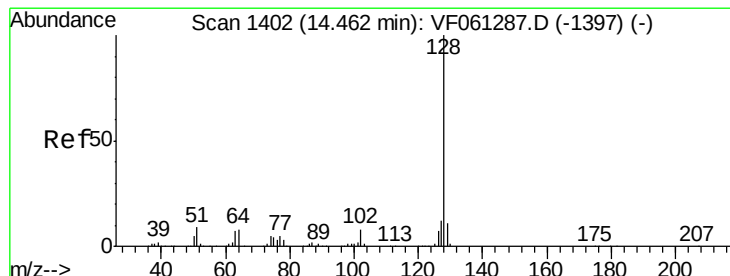
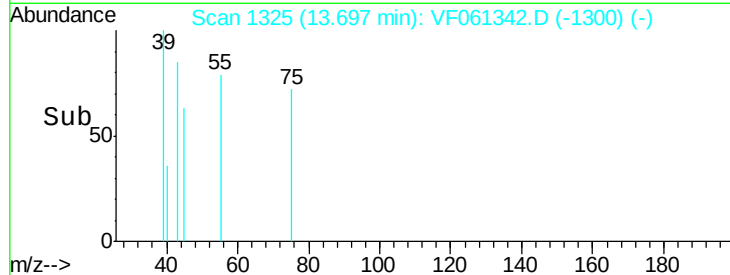
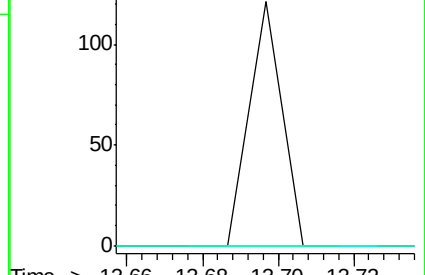


Abundance Ion 75.00 (74.70 to 75.70): VF061287.D (-1316) (-)

Ion 155.00 (154.70 to 155.70): VF061287.D (-1316) (-)

Ion 157.00 (156.70 to 157.70): VF061287.D (-1316) (-)

13.70



#95

Naphthalene

Concen: 3.793 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF061342.D

Acq: 10 Jan 2019 14:21

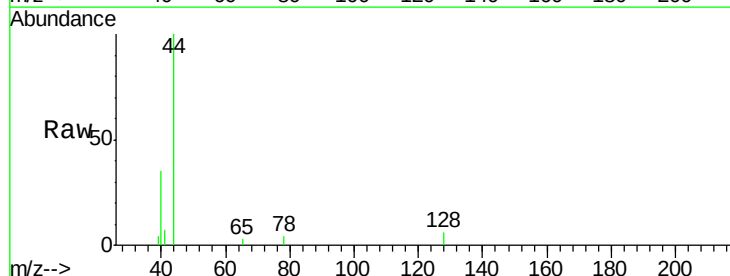
Tgt Ion: 128 Resp: 104

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.0#

129 0.0 8.8 13.2#

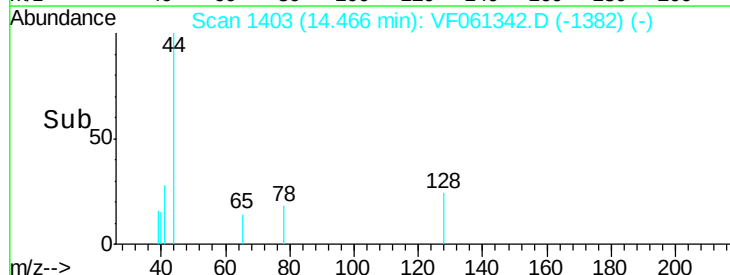
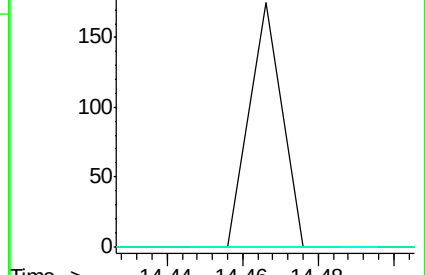


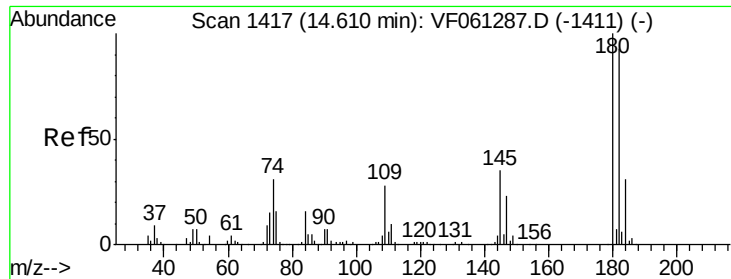
Abundance Ion 128.00 (127.70 to 128.70): VF061287.D (-1397) (-)

Ion 127.00 (126.70 to 127.70): VF061287.D (-1397) (-)

Ion 129.00 (128.70 to 129.70): VF061287.D (-1397) (-)

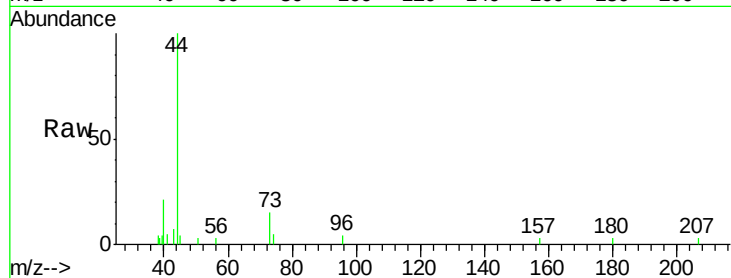
14.47





#96
 1,2,3-Trichlorobenzene
 Concen: 4.742 ug/l
 RT: 14.61 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VF061342.D
 Acq: 10 Jan 2019 14:21

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.5	139.3#
145	0.0	17.5	52.6#



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

