

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
 Data File : VF060037.D
 Acq On : 22 Aug 2018 13:54
 Operator : VA/AP
 Sample : J4555-02RE
 Misc : 5.05g/5mL/MSVOA_F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-02-3.5-4.0RE

Quant Time: Aug 23 04:25:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	8401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	10244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	7061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	2953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	1974	17.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.34%	
35) Dibromofluoromethane	4.31	113	2560	31.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.64%	
50) Toluene-d8	7.73	98	8689	38.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.06%	
62) 4-Bromofluorobenzene	11.52	95	3836	31.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.48%	

Target Compounds						Qvalue
3) Chloromethane	1.08	50	710	6.685	ug/l #	40
5) Bromomethane	1.34	94	141	2.702	ug/l #	69
6) Chloroethane	1.40	64	415	15.331	ug/l #	45
10) Methyl Iodide	1.95	142	341	3.558	ug/l #	26
12) 1,1-Dichloroethene	1.66	96	88	1.648	ug/l #	1
13) Acrolein	2.08	56	62	41.168	ug/l #	8
14) Allyl chloride	2.19	41	347	3.659	ug/l #	49
16) Acetone	2.34	43	164	5.427	ug/l #	63
20) Methylene Chloride	2.30	84	299	Below Cal	#	27
23) Vinyl Acetate	3.37	43	130	1.155	ug/l #	80
25) 2-Butanone	4.54	43	60	1.529	ug/l #	58
28) Bromochloromethane	3.82	49	80	1.444	ug/l #	4
29) Tetrahydrofuran	4.42	42	149	10.054	ug/l #	37
37) Ethyl Acetate	4.26	43	59	1.025	ug/l #	1
39) Methylcyclohexane	5.78	83	179	1.983	ug/l #	18
41) Methacrylonitrile	4.95	41	173	5.941	ug/l #	23
48) Methyl methacrylate	6.87	41	577	12.033	ug/l #	47
49) 1,4-Dioxane	6.52	88	70	152.072	ug/l #	18
51) 4-Methyl-2-Pentanone	8.42	43	148	2.365	ug/l #	39
52) Toluene	7.85	92	62	Below Cal	#	50
55) 1,1,2-Trichloroethane	8.66	97	141	2.485	ug/l #	15
56) Ethyl methacrylate	8.72	69	245	3.567	ug/l #	74
58) 2-Chloroethyl Vinyl ether	7.75	63	63	11.556	ug/l	100
59) 2-Hexanone	9.64	43	367	7.246	ug/l	90
71) Bromoform	10.97	173	60	1.701	ug/l #	28
74) N-amyl acetate	11.47	43	1007	18.226	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.81	83	310	7.986	ug/l #	52
78) n-propylbenzene	11.71	91	489	2.229	ug/l #	54
79) 2-Chlorotoluene	11.88	91	383	2.969	ug/l #	42
82) 4-Chlorotoluene	11.99	91	179	1.278	ug/l #	45
83) tert-Butylbenzene	12.22	119	313	2.072	ug/l #	56
84) 1,2,4-Trimethylbenzene	12.29	105	216	1.312	ug/l #	30
85) sec-Butylbenzene	12.40	105	471	2.240	ug/l #	1
90) Hexachloroethane	12.88	117	61	1.556	ug/l #	11

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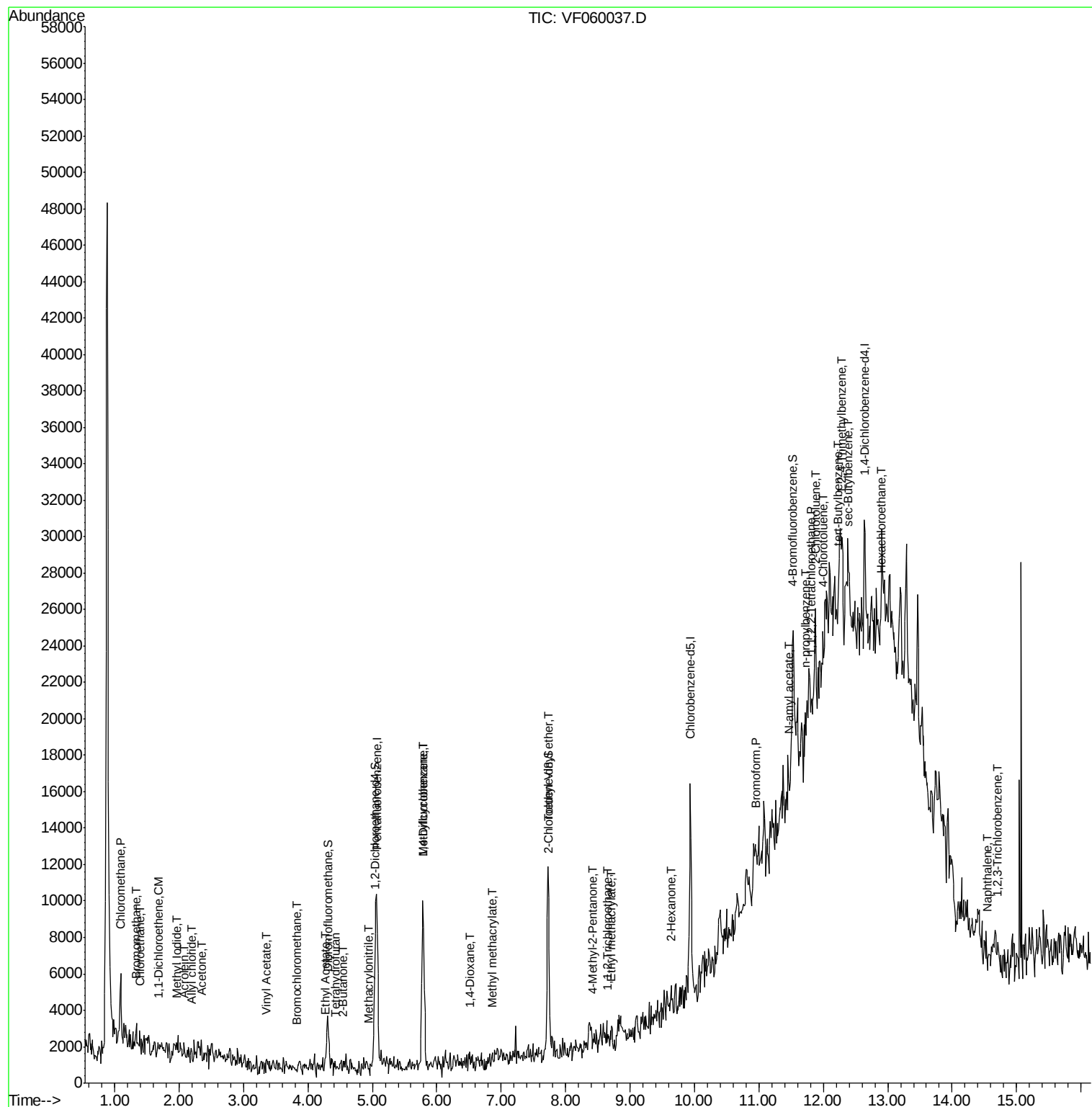
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.55	128	86	3.033	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.71	180	91	1.507	ug/l #	11

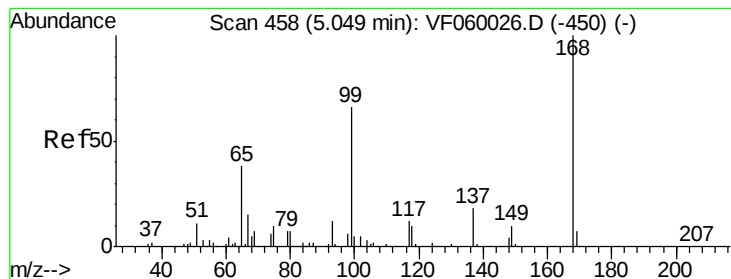
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

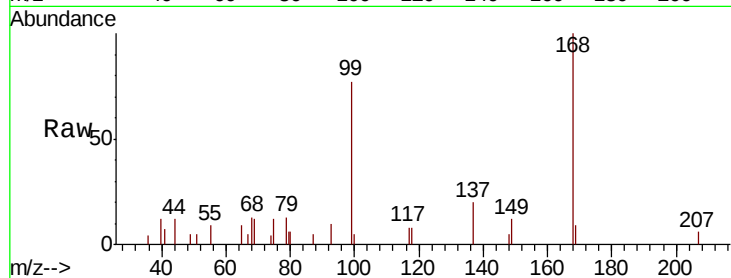
SB-02-3.5-4.0RE

Tgt Ion:168 Resp: 8401

Ion Ratio Lower Upper

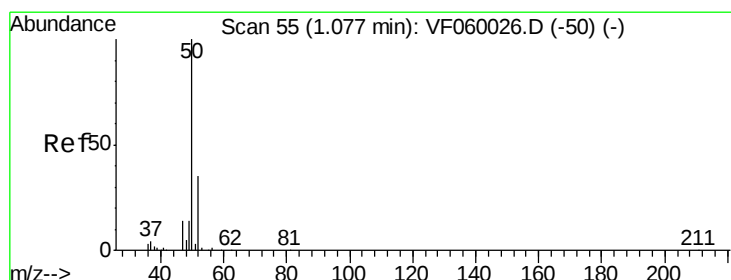
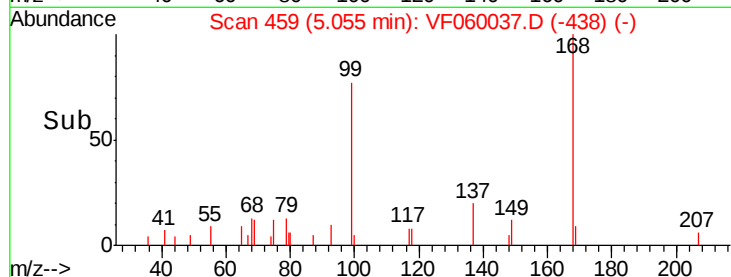
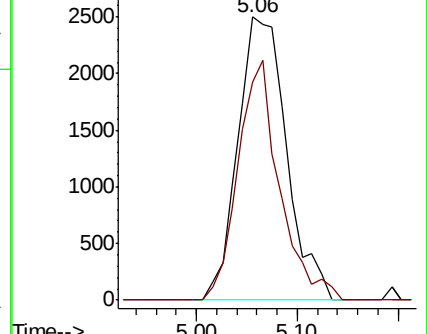
168 100

99 82.1 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 6.685 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060037.D

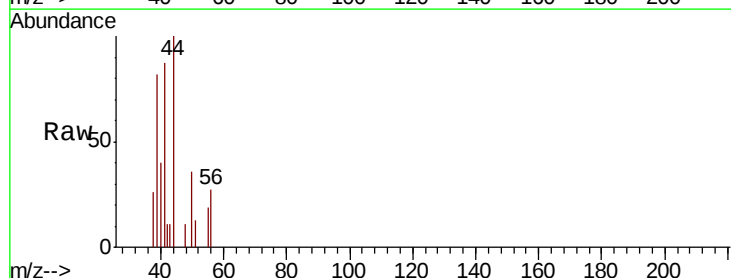
Acq: 22 Aug 2018 13:54

Tgt Ion: 50 Resp: 710

Ion Ratio Lower Upper

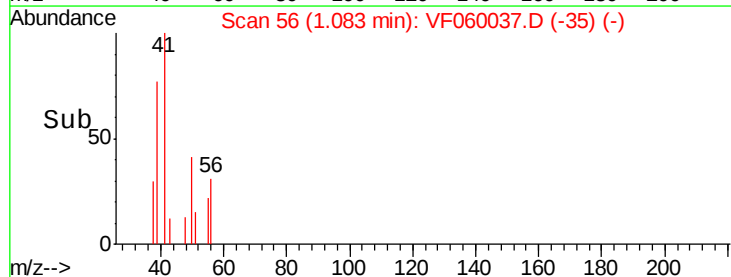
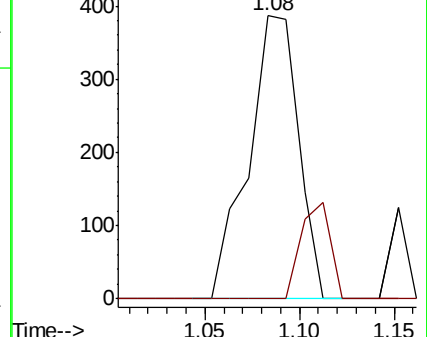
50 100

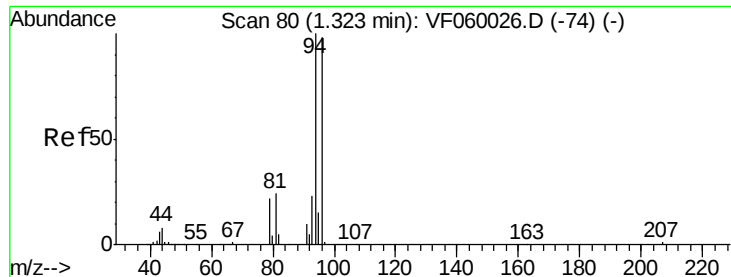
52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 2.702 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

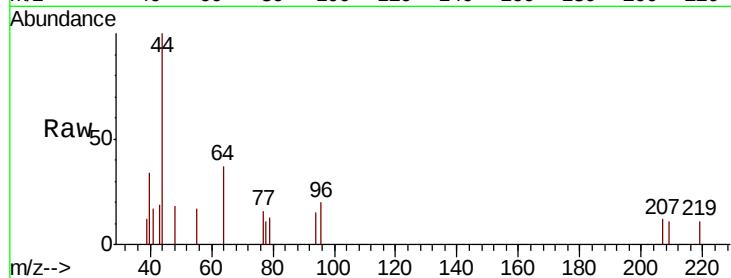
SB-02-3.5-4.0RE

Tgt Ion: 94 Resp: 141

Ion Ratio Lower Upper

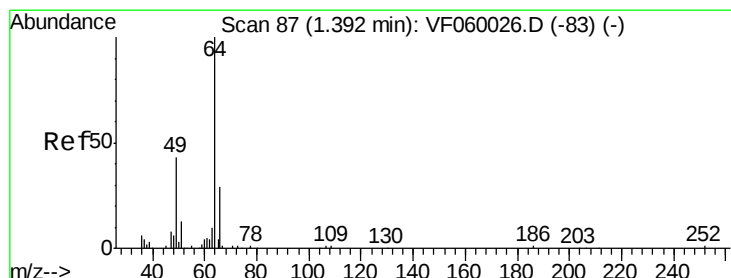
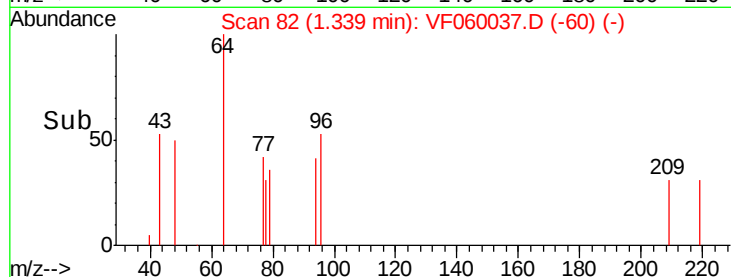
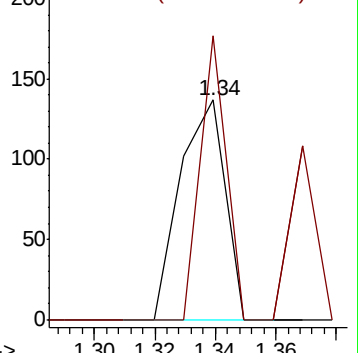
94 100

96 129.2 78.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 15.331 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060037.D

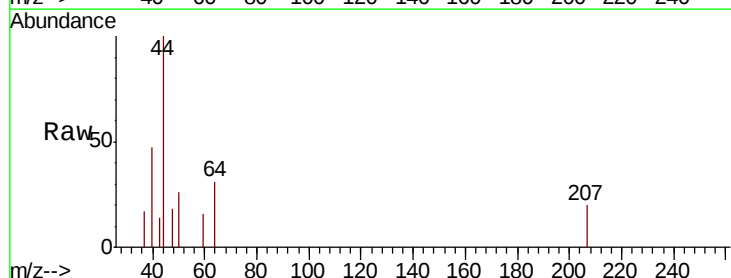
Acq: 22 Aug 2018 13:54

Tgt Ion: 64 Resp: 415

Ion Ratio Lower Upper

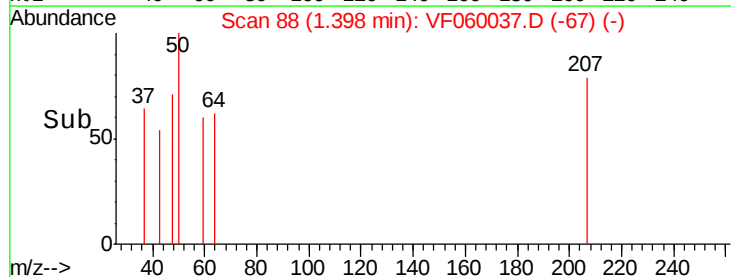
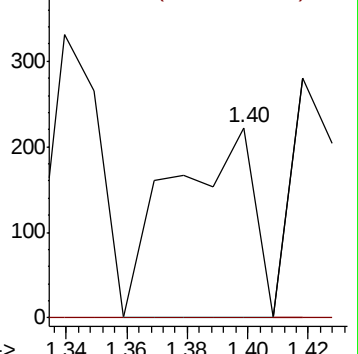
64 100

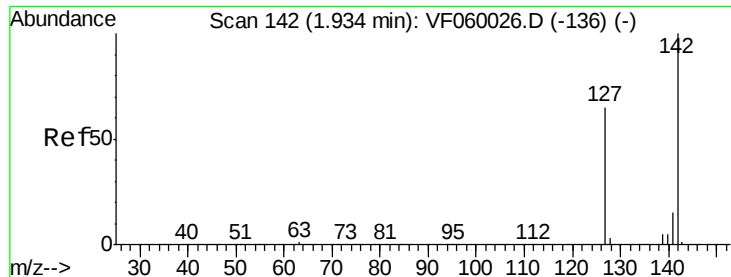
66 0.0 24.1 36.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

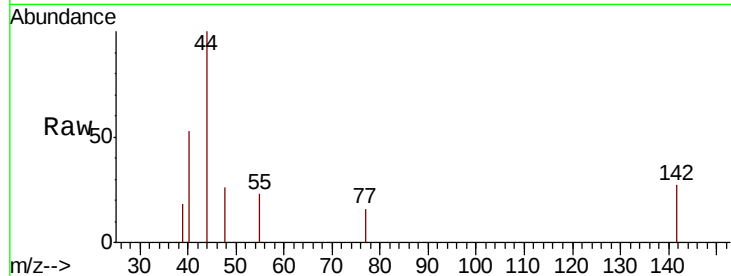




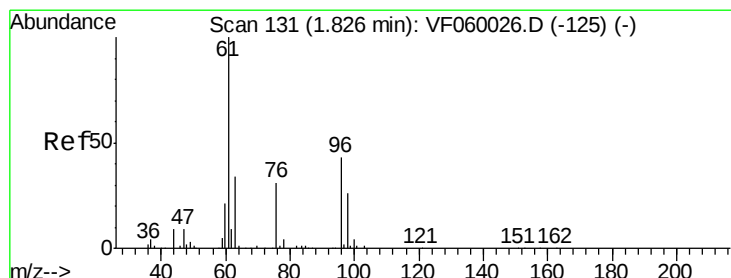
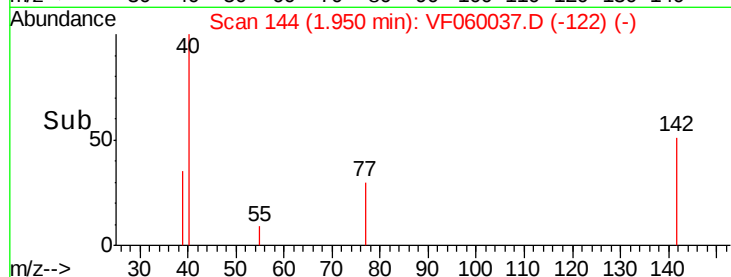
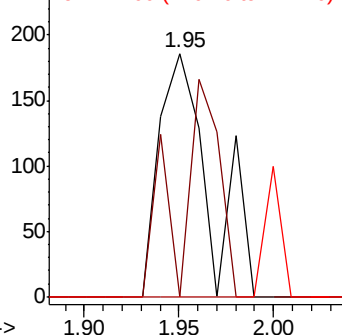
#10
Methyl Iodide
Concen: 3.558 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.02 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Instrument :
MSVOA_F
ClientSampleId :
SB-02-3.5-4.0RE

Tgt Ion: 142 Resp: 341
Ion Ratio Lower Upper
142 100
127 0.0 51.8 77.6#
141 0.0 11.9 17.9#

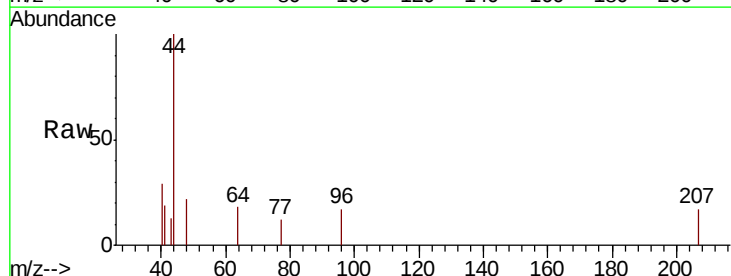


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

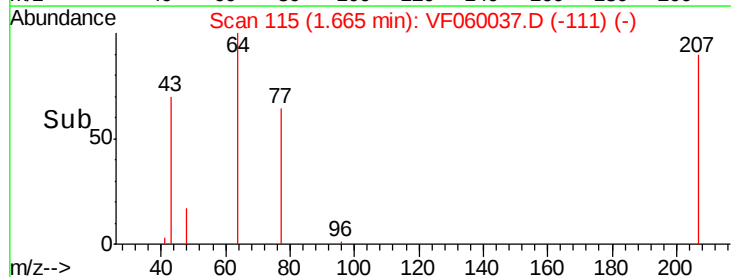
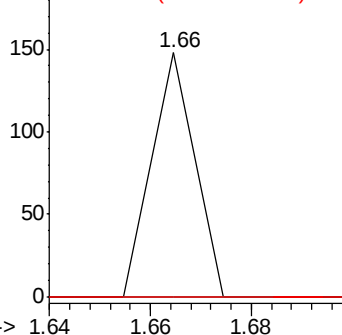


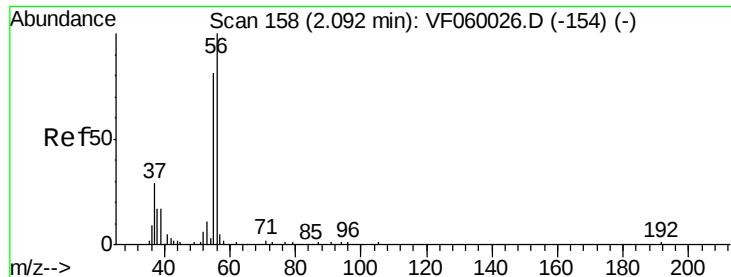
#12
1,1-Dichloroethene
Concen: 1.648 ug/l
RT: 1.66 min Scan# 115
Delta R.T. -0.16 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Tgt Ion: 96 Resp: 88
Ion Ratio Lower Upper
96 100
61 0.0 185.0 277.6#
98 0.0 47.8 71.8#



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: 41.168 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

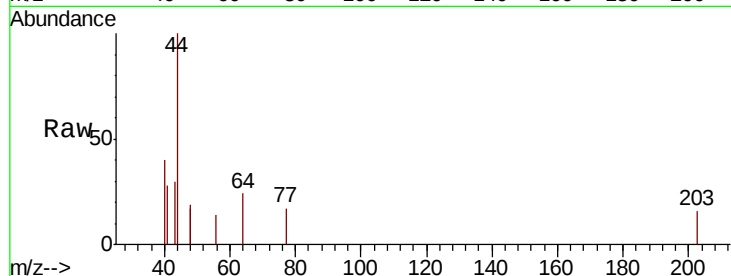
SB-02-3.5-4.0RE

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

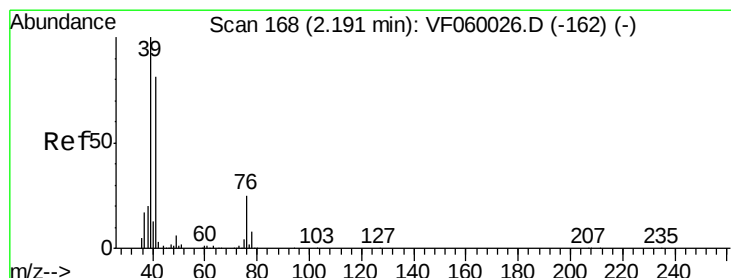
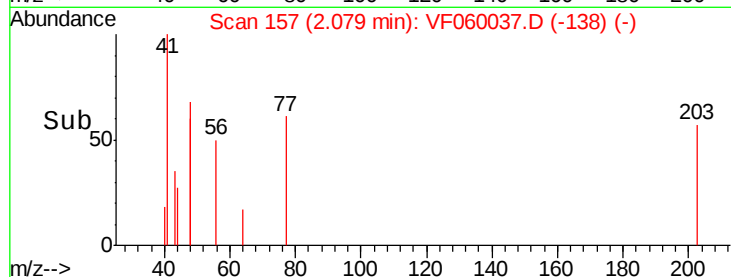
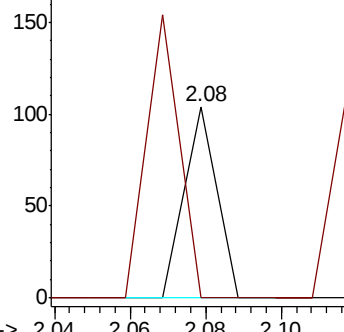
56 100

55 0.0 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 3.659 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

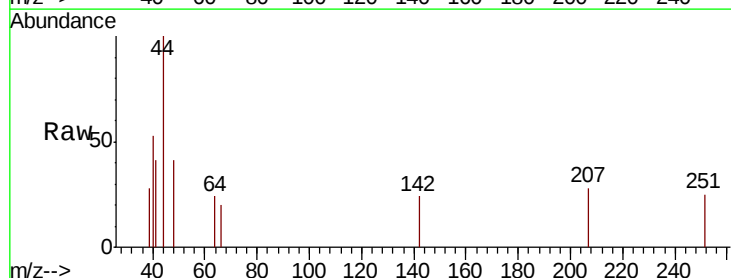
Tgt Ion: 41 Resp: 347

Ion Ratio Lower Upper

41 100

39 67.3 99.3 148.9#

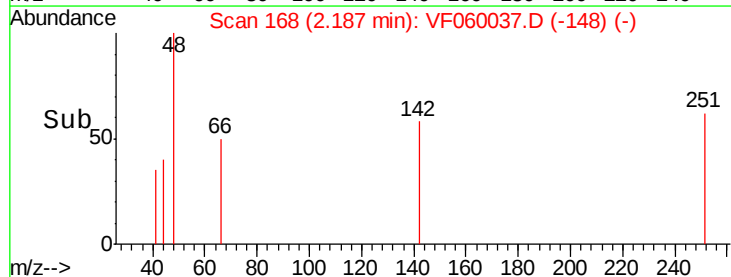
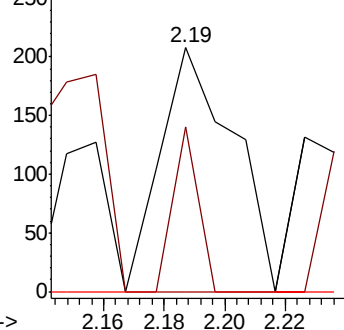
76 0.0 24.3 36.5#

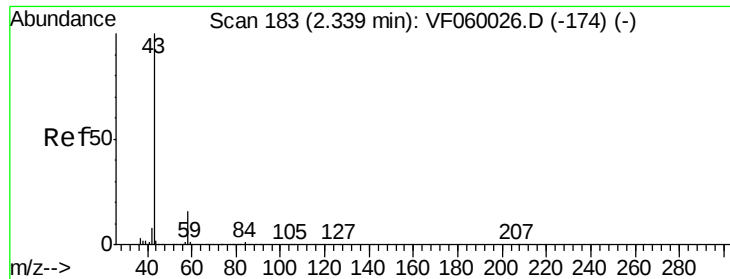


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#16

Acetone

Concen: 5.427 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

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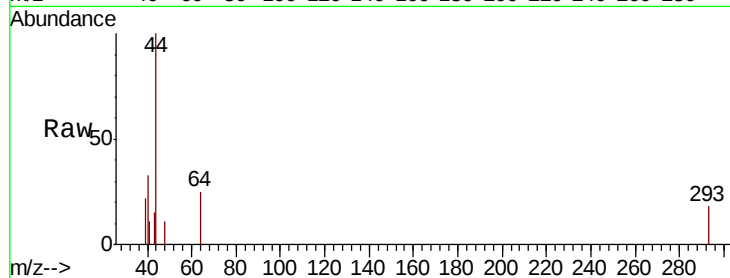
SB-02-3.5-4.0RE

Tgt Ion: 43 Resp: 164

Ion Ratio Lower Upper

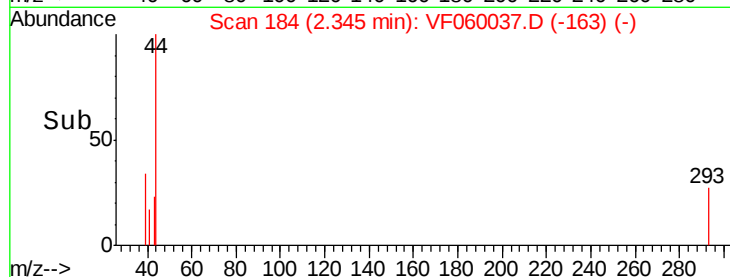
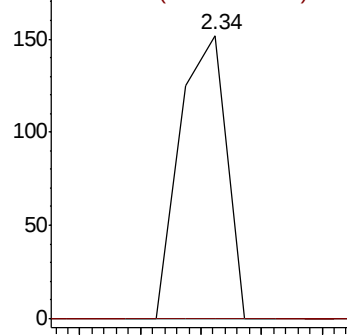
43 100

58 0.0 12.6 19.0#

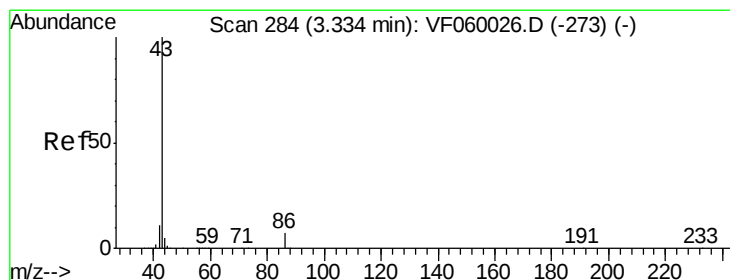


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#23

Vinyl Acetate

Concen: 1.155 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.04 min

Lab File: VF060037.D

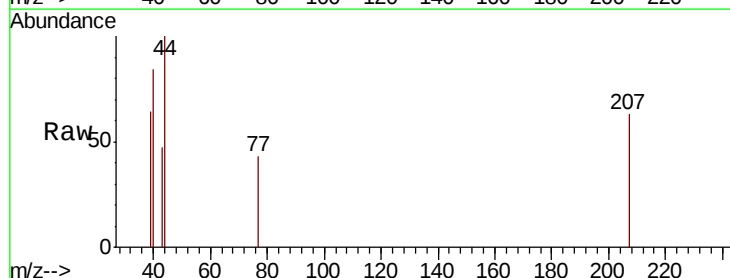
Acq: 22 Aug 2018 13:54

Tgt Ion: 43 Resp: 130

Ion Ratio Lower Upper

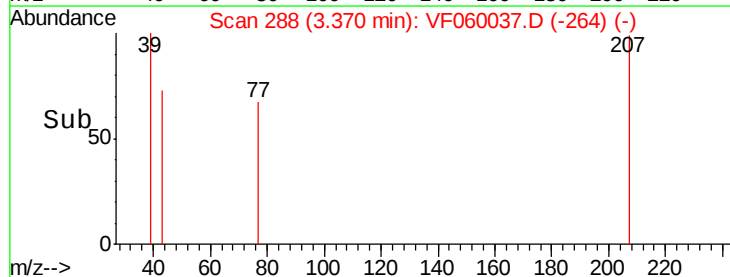
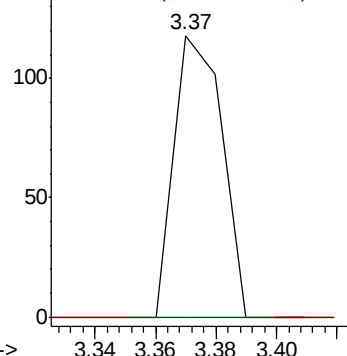
43 100

86 0.0 5.6 8.4#

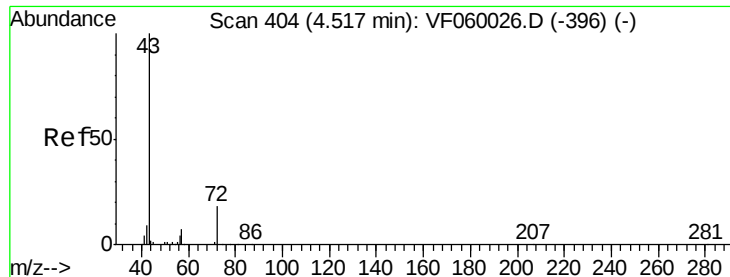


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#25

2-Butanone

Concen: 1.529 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF060037.D

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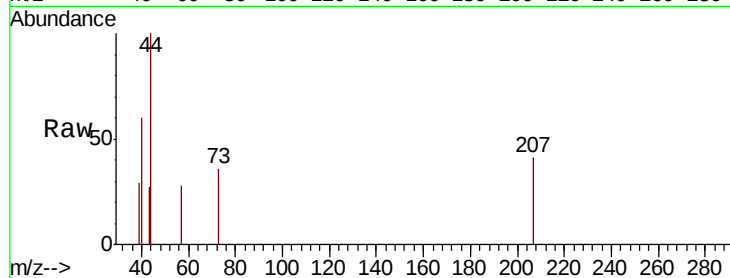
SB-02-3.5-4.0RE

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 15.0 22.6#

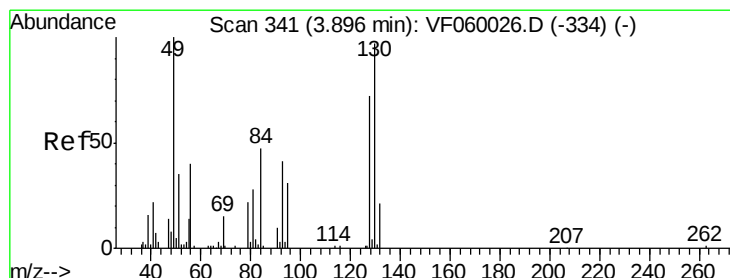
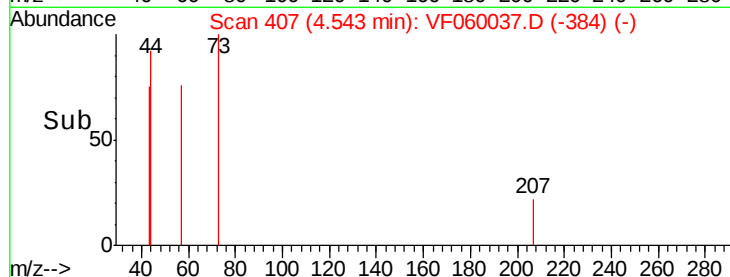


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.54

Time-->



#28

Bromochloromethane

Concen: 1.444 ug/l

RT: 3.82 min Scan# 334

Delta R.T. -0.07 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

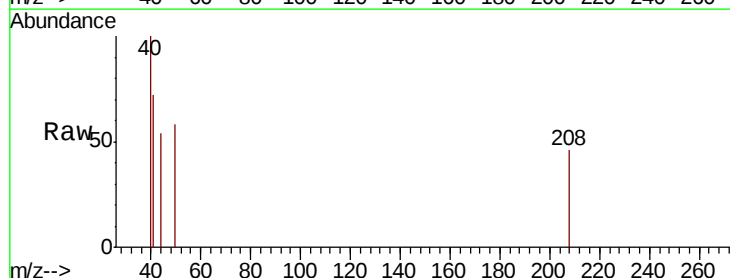
Tgt Ion: 49 Resp: 80

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.4

130 0.0 78.0 117.0#



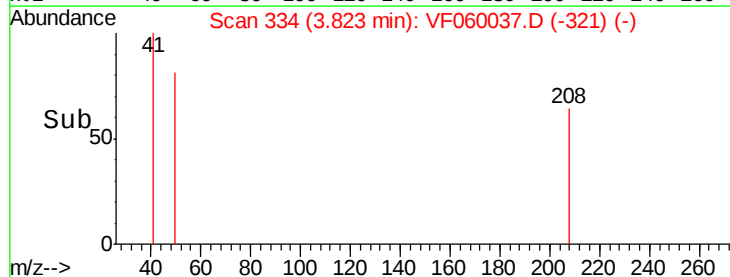
Abundance Ion 49.00 (48.70 to 49.70): VF0

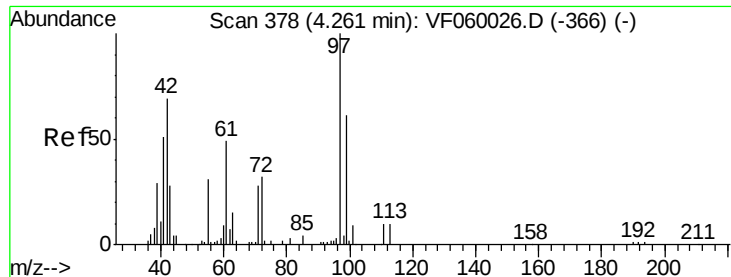
Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

3.82

Time-->





#29

Tetrahydrofuran

Concen: 10.054 ug/l

RT: 4.42 min Scan# 395

Delta R.T. 0.16 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

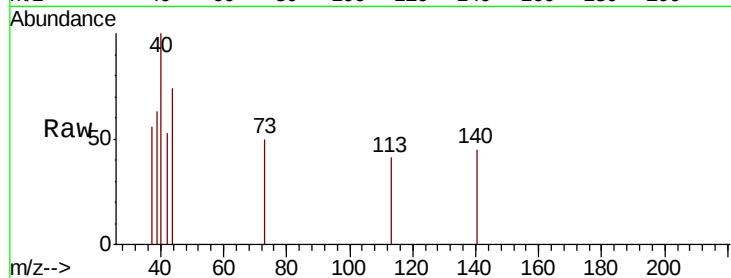
Tgt Ion: 42 Resp: 149

Ion Ratio Lower Upper

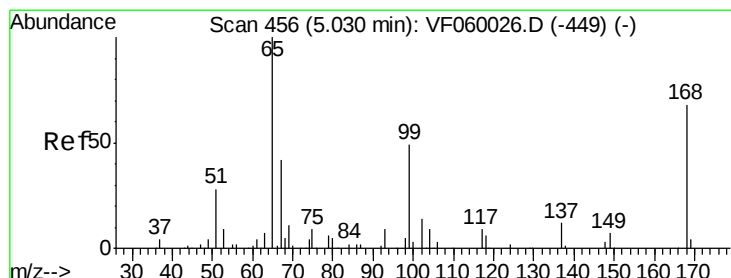
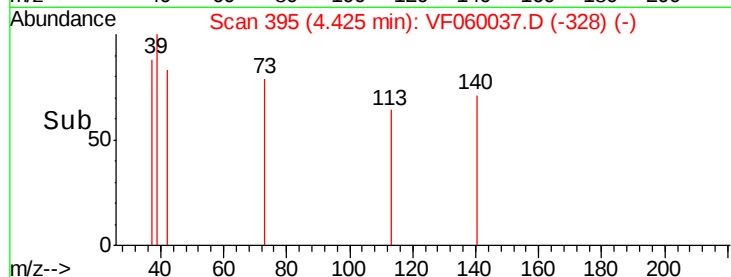
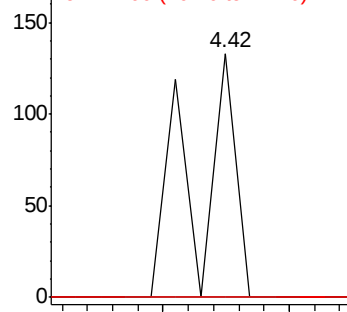
42 100

72 0.0 31.4 47.2#

71 0.0 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 17.168 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060037.D

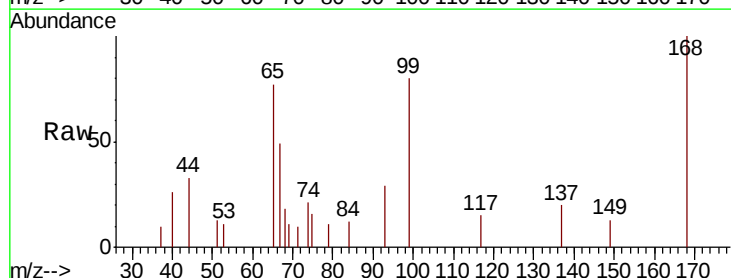
Acq: 22 Aug 2018 13:54

Tgt Ion: 65 Resp: 1974

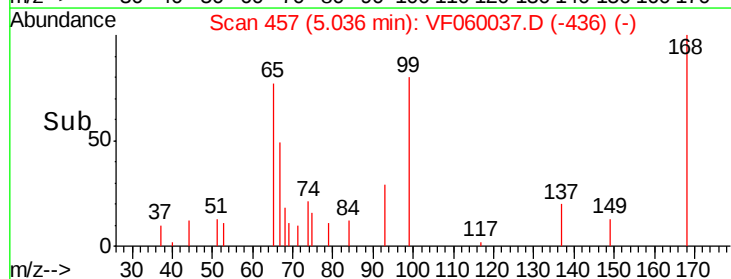
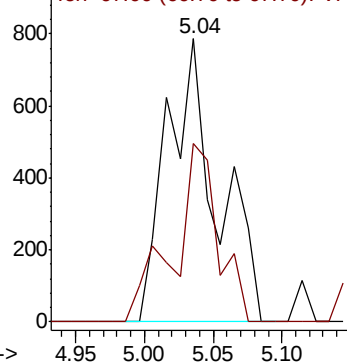
Ion Ratio Lower Upper

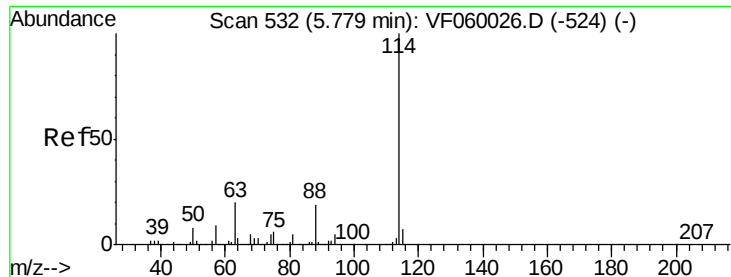
65 100

67 63.2 0.0 92.0



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: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

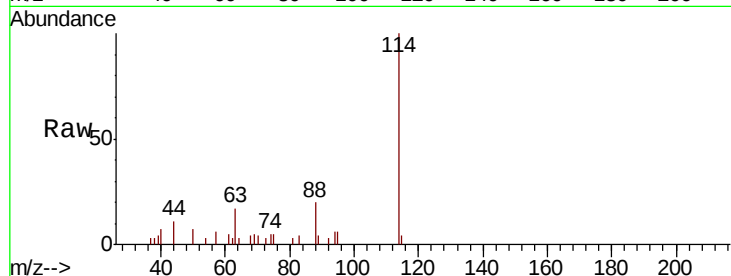
Tgt Ion:114 Resp: 10244

Ion Ratio Lower Upper

114 100

63 16.5 0.0 40.4

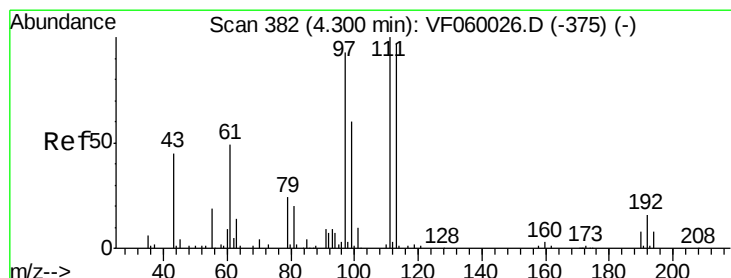
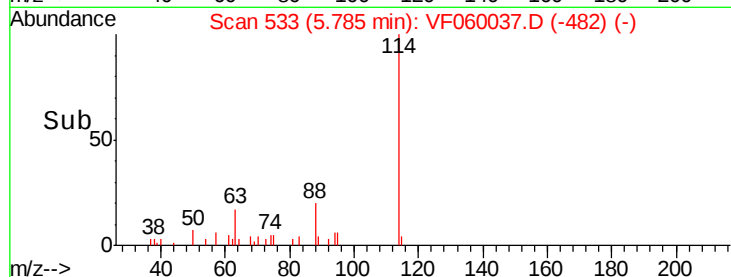
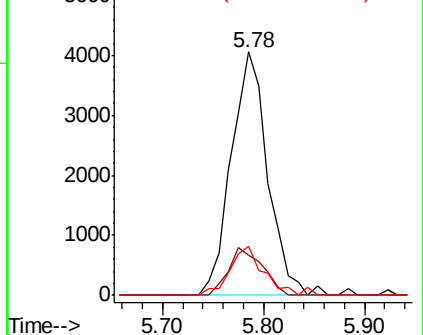
88 20.3 0.0 38.6



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: 31.825 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

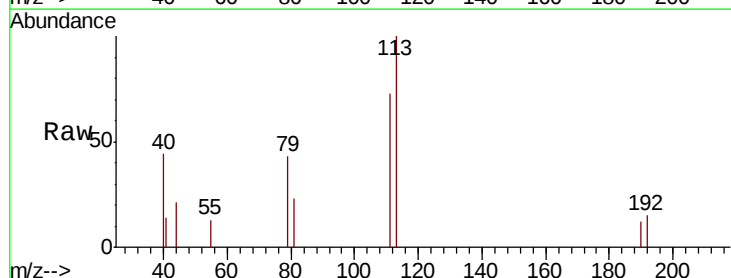
Tgt Ion:113 Resp: 2560

Ion Ratio Lower Upper

113 100

111 72.8 82.7 124.1#

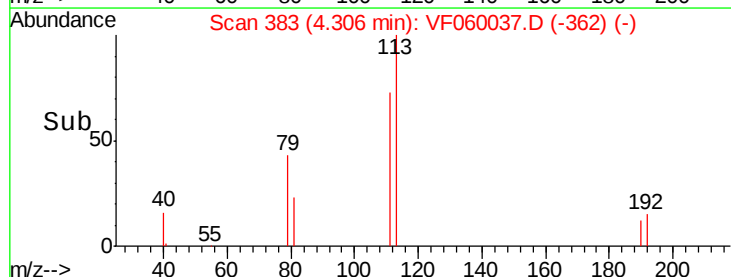
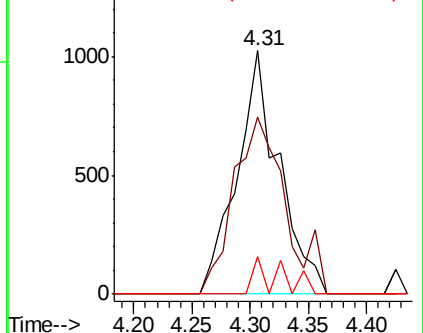
192 15.2 13.0 19.4

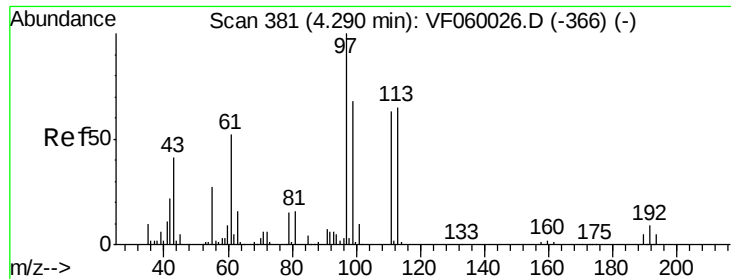


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

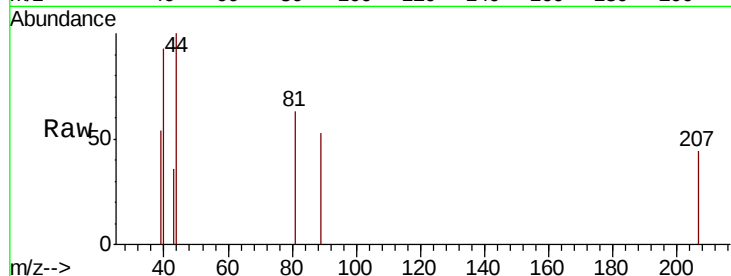




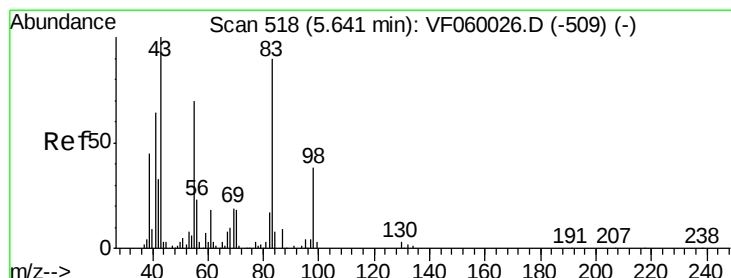
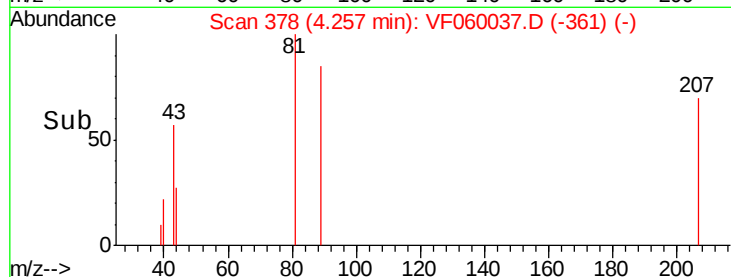
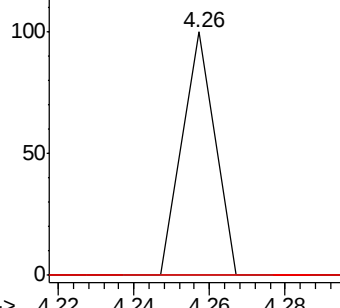
#37
Ethyl Acetate
Concen: 1.025 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Instrument :
MSVOA_F
ClientSampleId :
SB-02-3.5-4.0RE

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 101.5 152.3#
70 0.0 6.4 9.6#

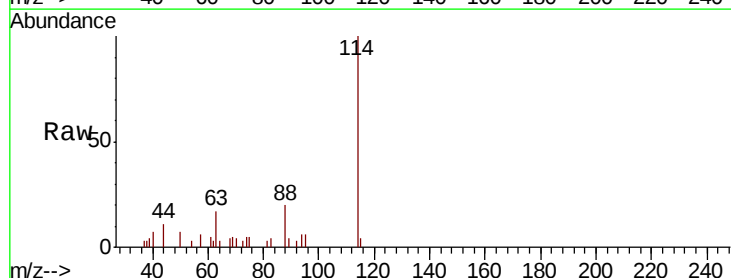


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

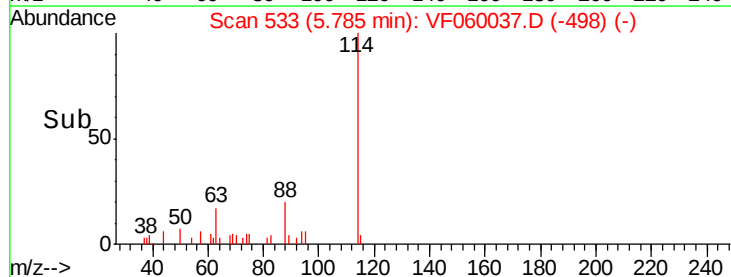
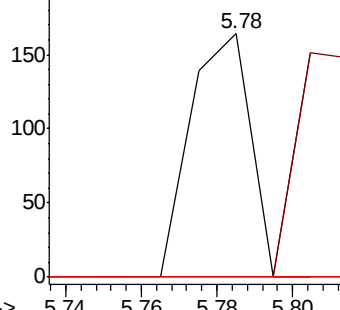


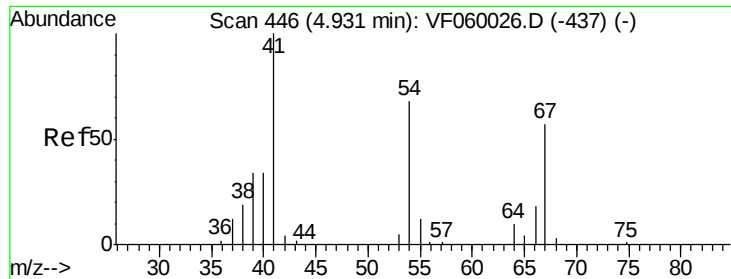
#39
Methylcyclohexane
Concen: 1.983 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.14 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Tgt Ion: 83 Resp: 179
Ion Ratio Lower Upper
83 100
55 0.0 62.7 94.1#
98 0.0 33.8 50.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#41

Methacrylonitrile

Concen: 5.941 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

Tgt Ion: 41 Resp: 173

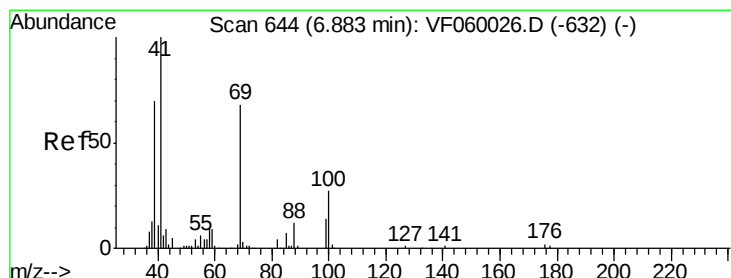
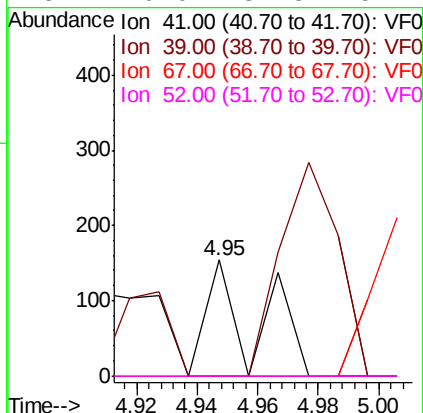
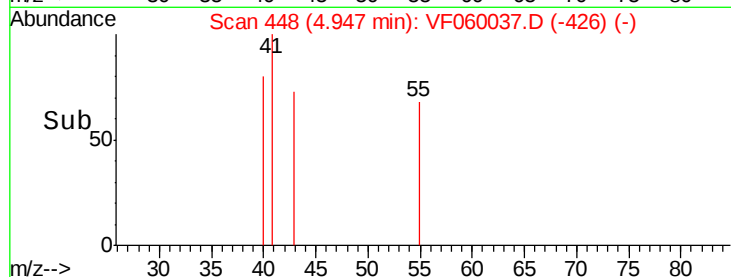
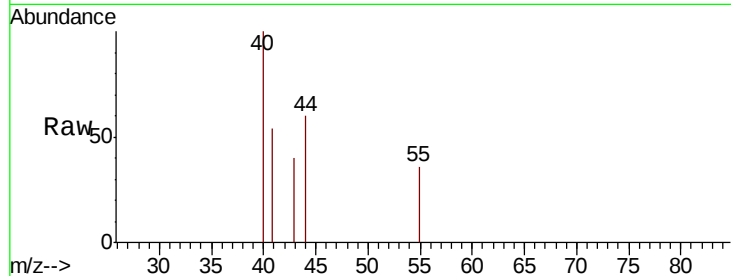
Ion Ratio Lower Upper

41 100

39 0.0 52.9 79.3#

67 0.0 45.3 67.9#

52 0.0 34.8 52.2#



#48

Methyl methacrylate

Concen: 12.033 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

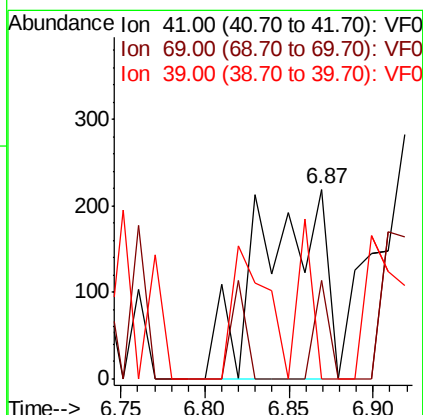
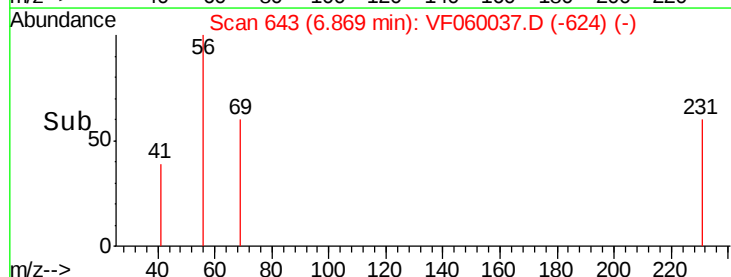
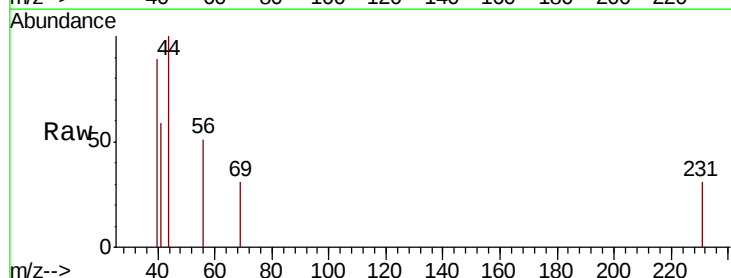
Tgt Ion: 41 Resp: 577

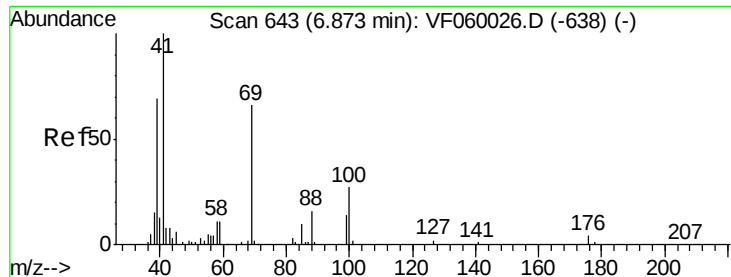
Ion Ratio Lower Upper

41 100

69 52.1 54.6 81.8#

39 0.0 56.5 84.7#

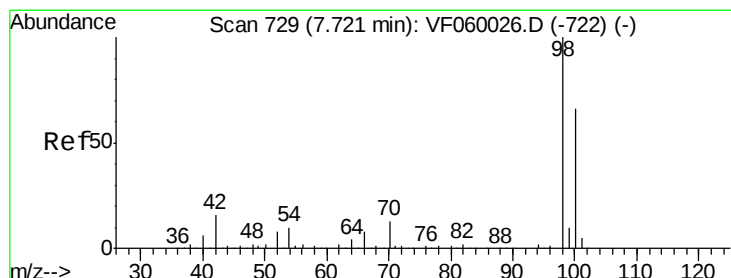
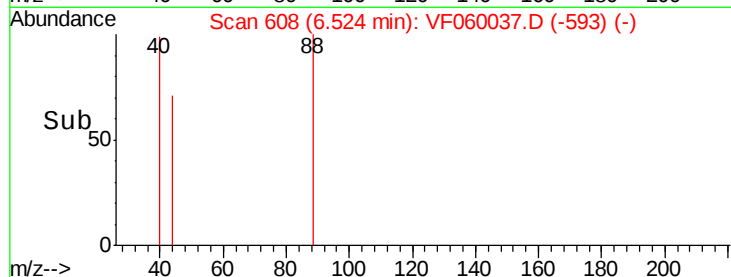
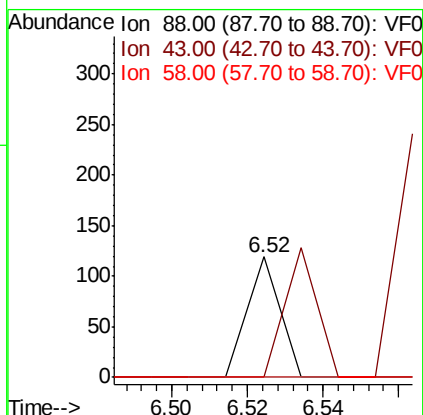
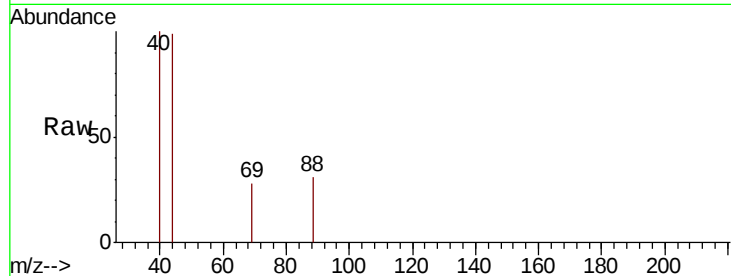




#49
1,4-Dioxane
Concen: 152.072 ug/l
RT: 6.52 min Scan# 608
Delta R.T. -0.35 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

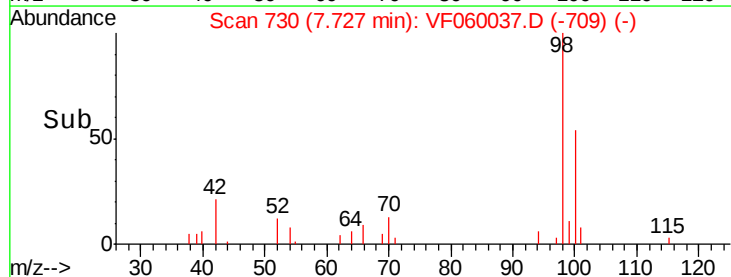
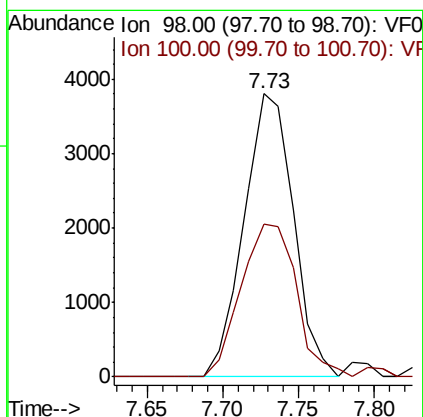
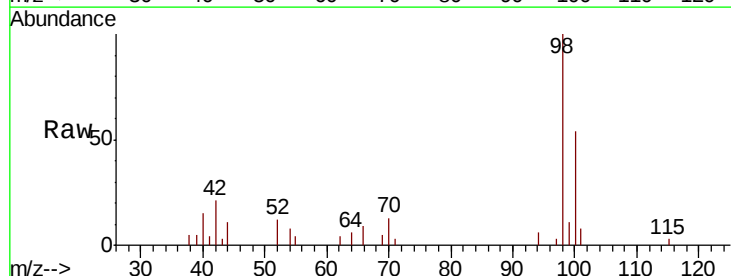
Instrument :
MSVOA_F
ClientSampleId :
SB-02-3.5-4.0RE

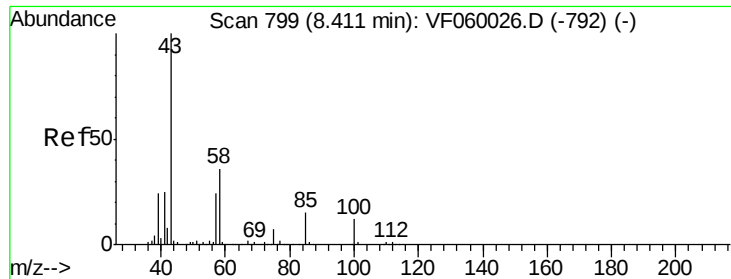
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 46.5 69.7#
58 0.0 54.8 82.2#



#50
Toluene-d8
Concen: 38.034 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Tgt Ion: 98 Resp: 8689
Ion Ratio Lower Upper
98 100
100 53.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 2.365 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

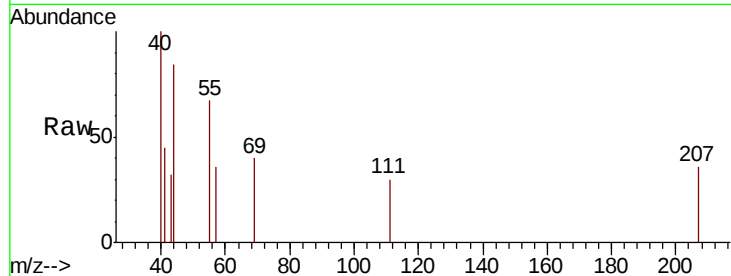
SB-02-3.5-4.0RE

Tgt Ion: 43 Resp: 148

Ion Ratio Lower Upper

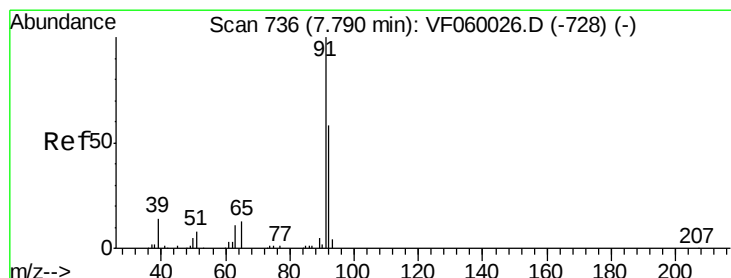
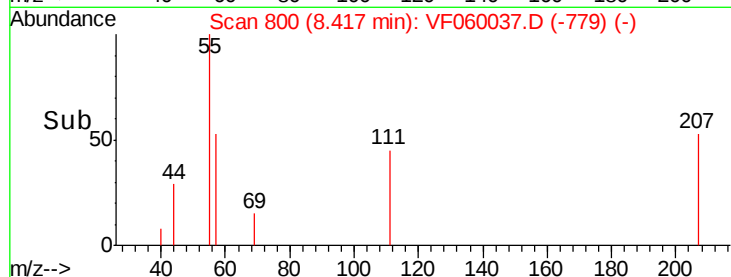
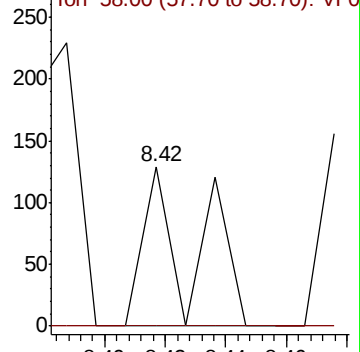
43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.85 min Scan# 743

Delta R.T. 0.07 min

Lab File: VF060037.D

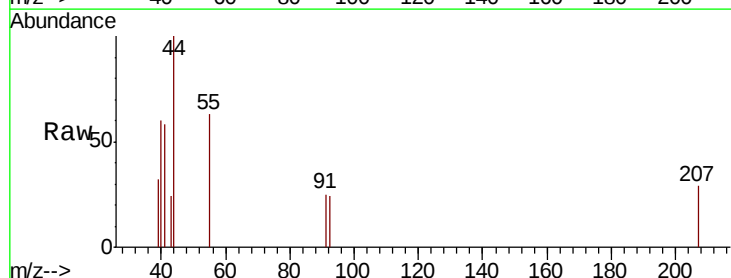
Acq: 22 Aug 2018 13:54

Tgt Ion: 92 Resp: 62

Ion Ratio Lower Upper

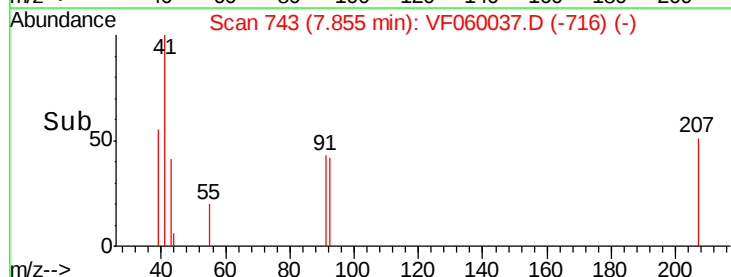
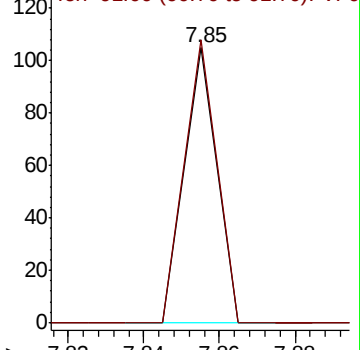
92 100

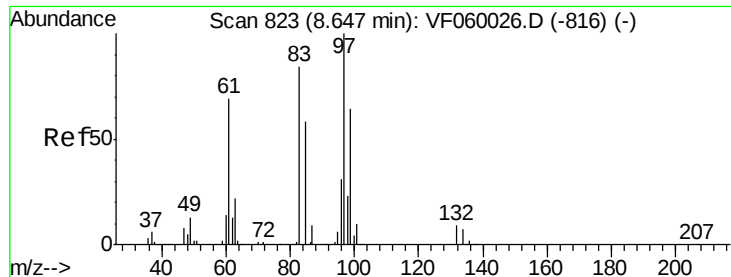
91 102.9 137.7 206.5#



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: 2.485 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.02 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

Tgt Ion: 97 Resp: 141

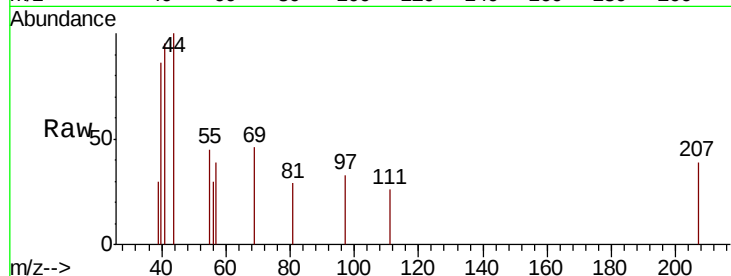
Ion Ratio Lower Upper

97 100

83 0.0 67.4 101.2#

85 0.0 46.2 69.2#

99 0.0 51.1 76.7#



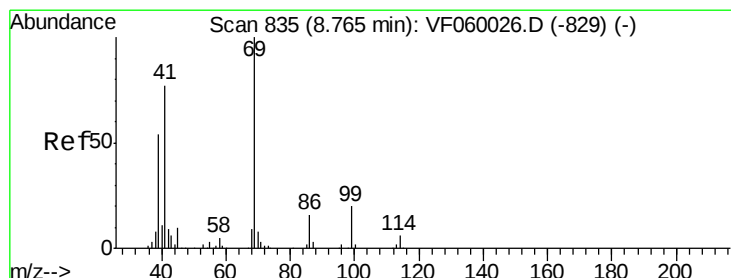
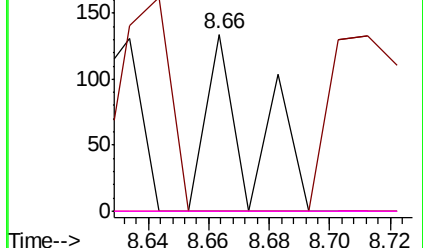
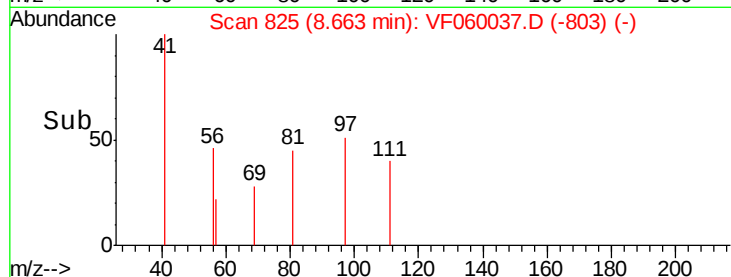
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 3.567 ug/l

RT: 8.72 min Scan# 831

Delta R.T. -0.04 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

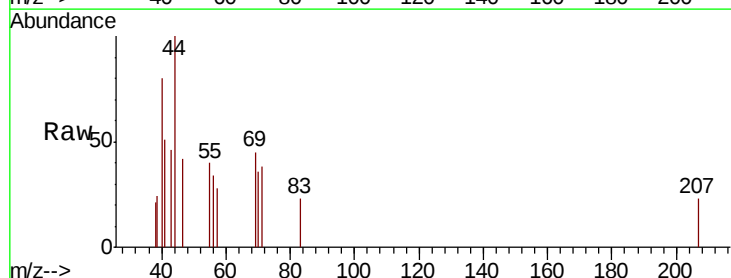
Tgt Ion: 69 Resp: 245

Ion Ratio Lower Upper

69 100

41 114.6 61.6 92.4#

39 54.5 43.9 65.9

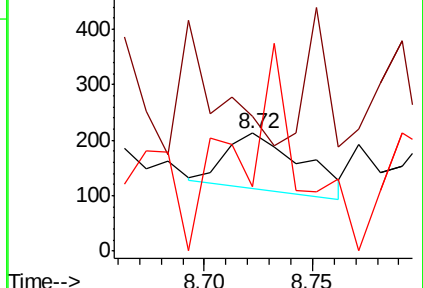
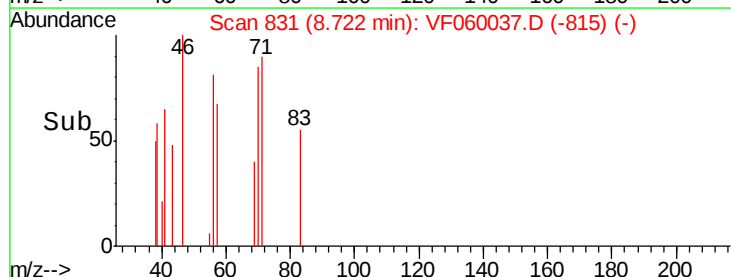


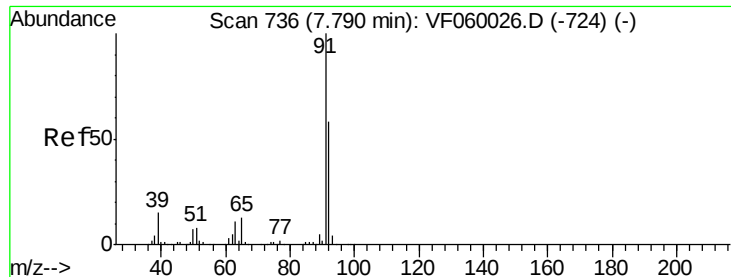
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 11.556 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.04 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

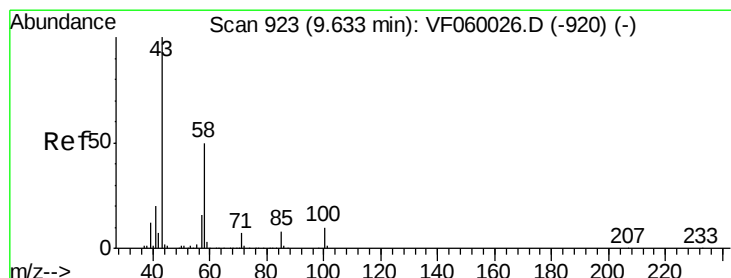
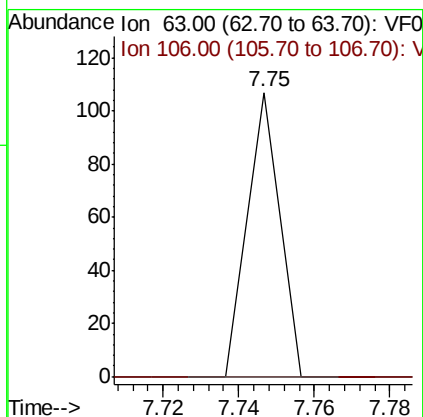
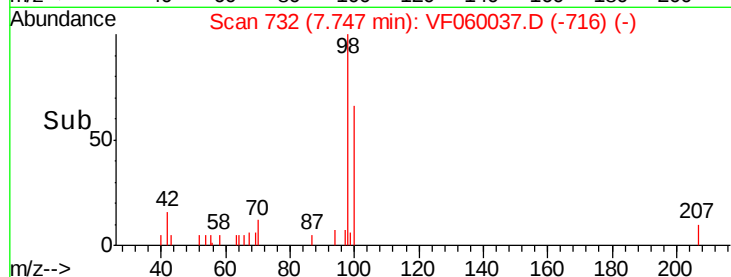
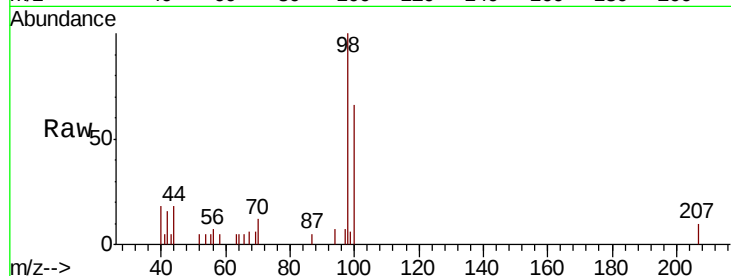
SB-02-3.5-4.0RE

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



#59

2-Hexanone

Concen: 7.246 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.01 min

Lab File: VF060037.D

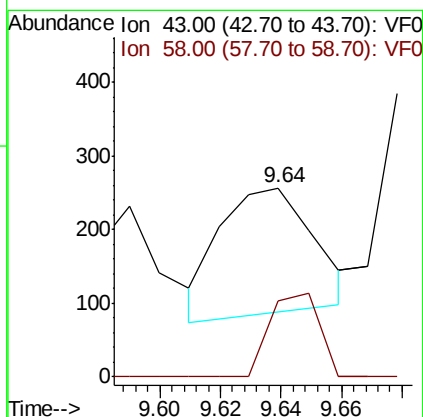
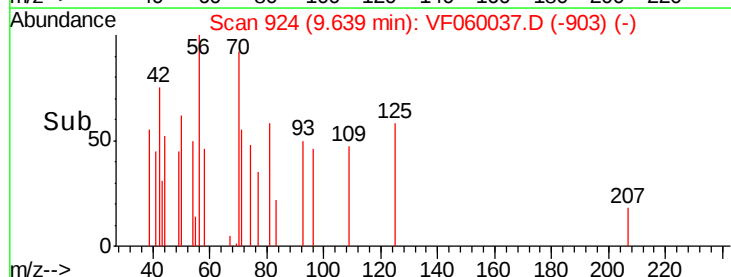
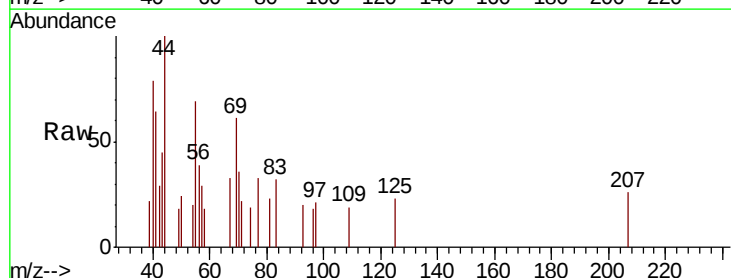
Acq: 22 Aug 2018 13:54

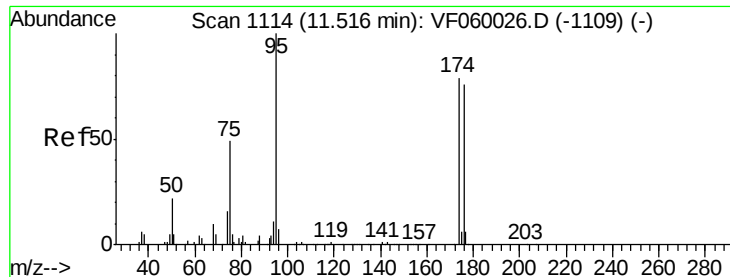
Tgt Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

58 39.8 23.4 70.2





#62

4-Bromofluorobenzene

Concen: 31.741 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

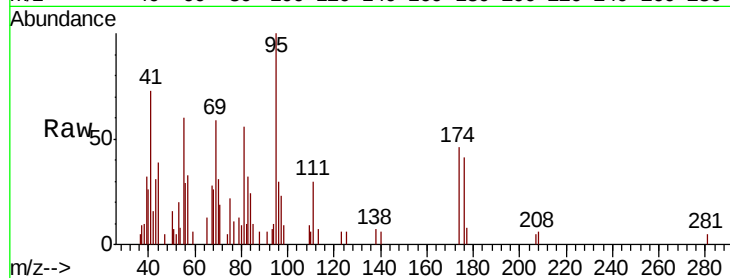
Tgt Ion: 95 Resp: 3836

Ion Ratio Lower Upper

95 100

174 46.2 0.0 158.4

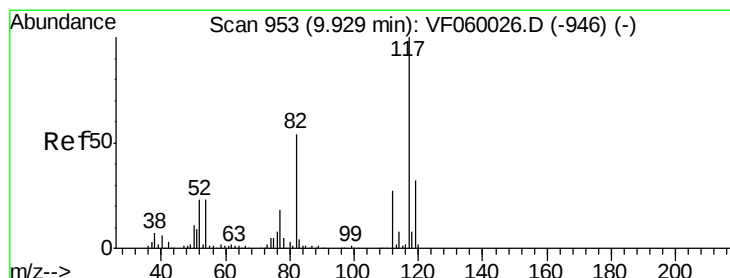
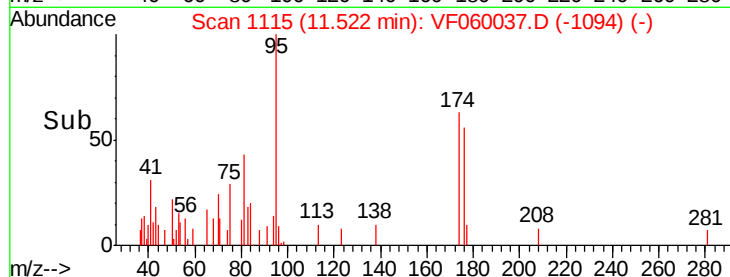
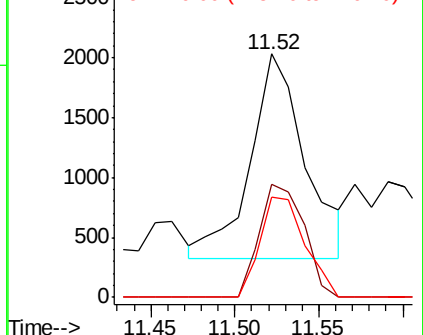
176 41.2 0.0 153.0



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: 9.93 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

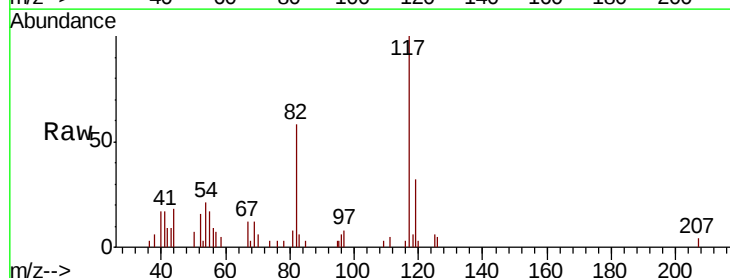
Tgt Ion: 117 Resp: 7061

Ion Ratio Lower Upper

117 100

82 57.7 43.6 65.4

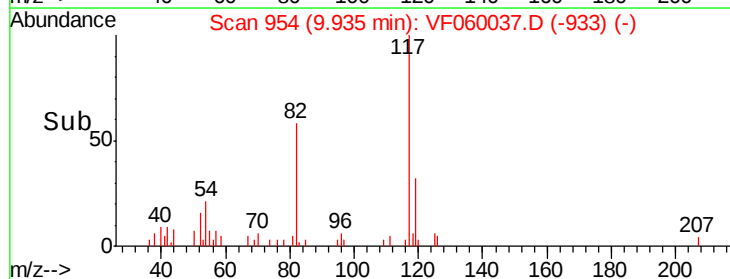
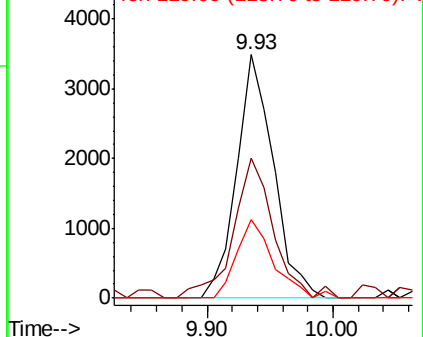
119 32.2 25.6 38.4

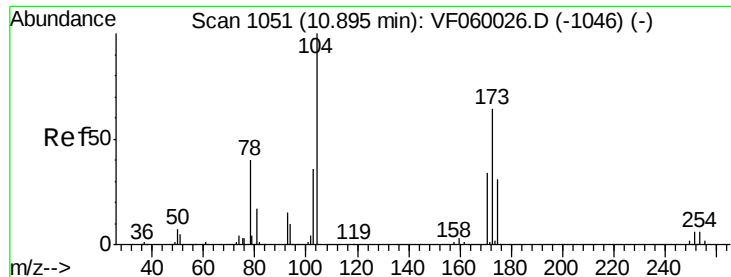


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#71

Bromoform

Concen: 1.701 ug/l

RT: 10.97 min Scan# 1059

Delta R.T. 0.08 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

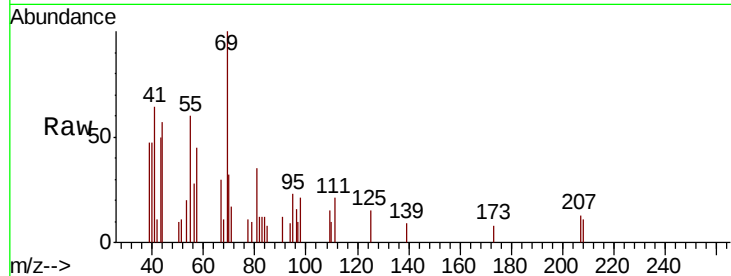
Tgt Ion:173 Resp: 60

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

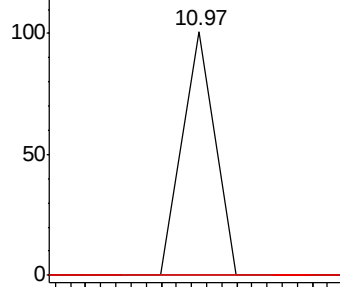
254 0.0 0.0 0.0



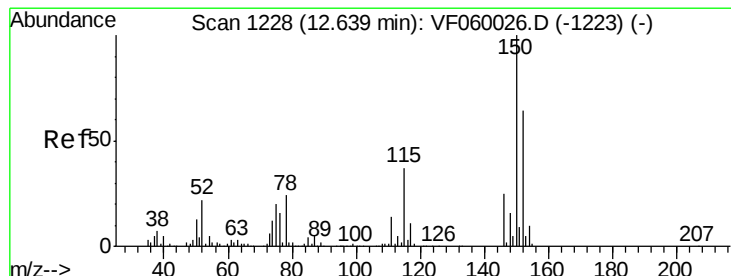
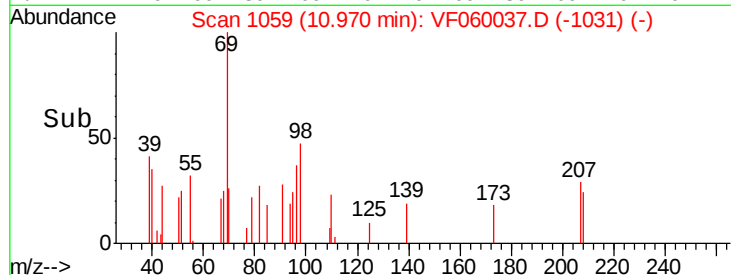
Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

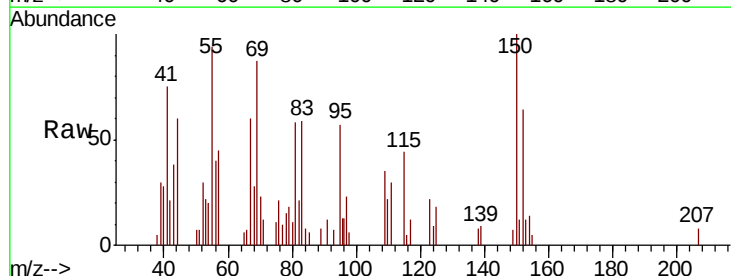
Tgt Ion:152 Resp: 2953

Ion Ratio Lower Upper

152 100

115 68.9 28.6 85.9

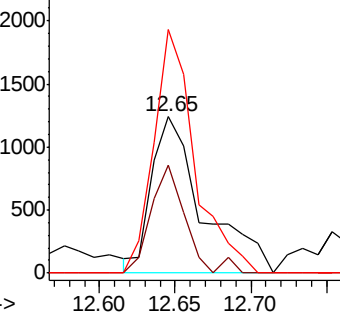
150 156.0 0.0 312.0



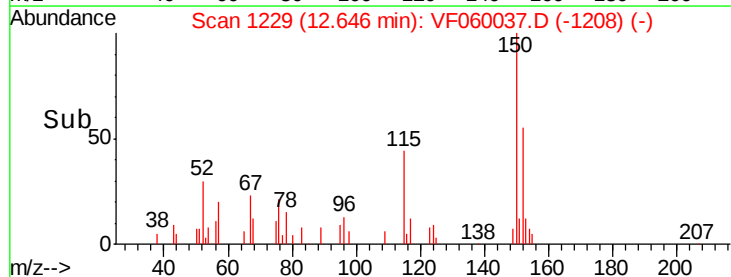
Abundance Ion 152.00 (151.70 to 152.70): V

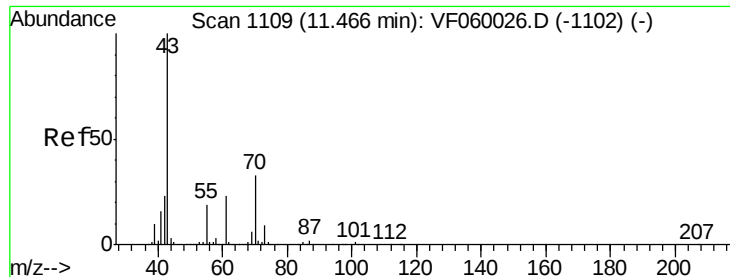
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



Time-->





#74

N-amyI acetate

Concen: 18.226 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

SB-02-3.5-4.0RE

Tgt Ion: 43 Resp: 1007

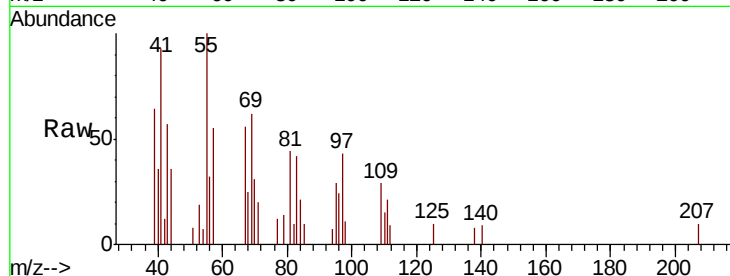
Ion Ratio Lower Upper

43 100

70 55.3 26.4 39.6#

55 176.0 15.0 22.4#

61 0.0 18.4 27.6#

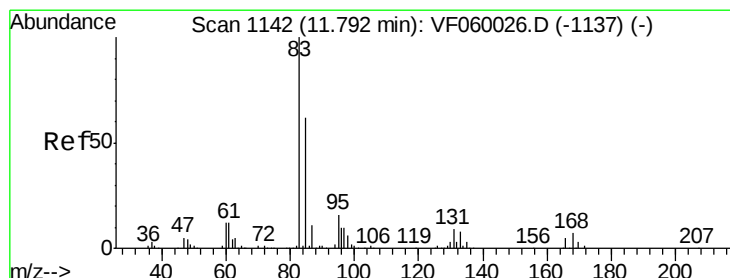
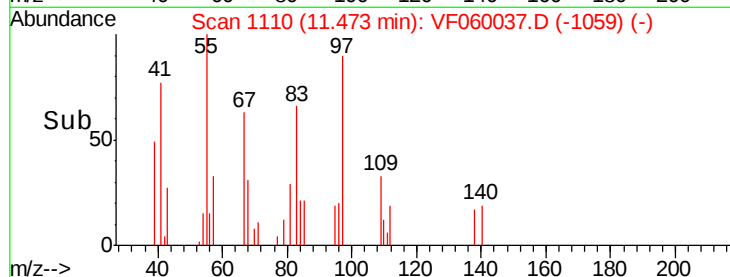
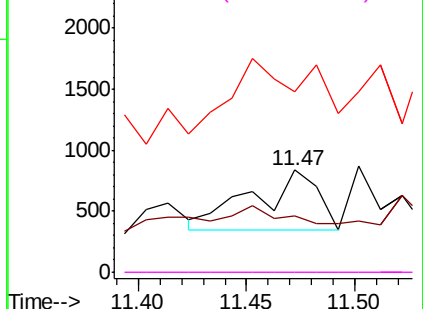


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 7.986 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

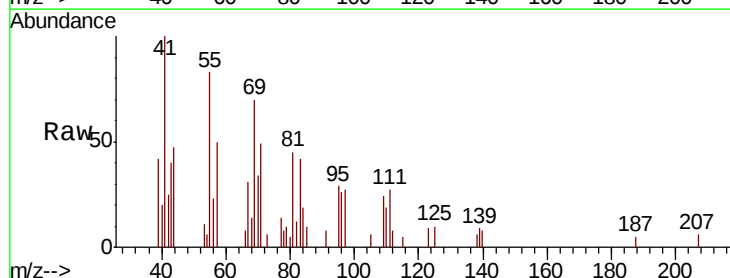
Tgt Ion: 83 Resp: 310

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

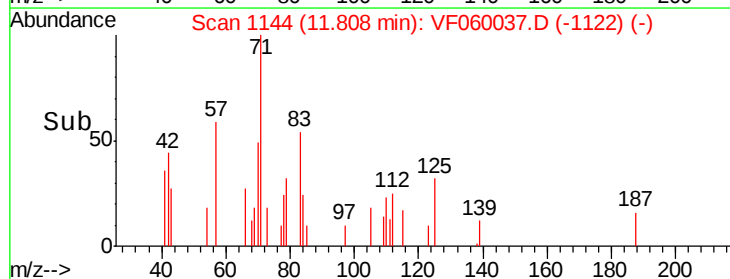
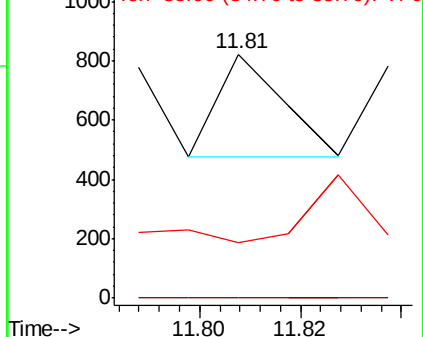
85 22.8 31.3 93.9#

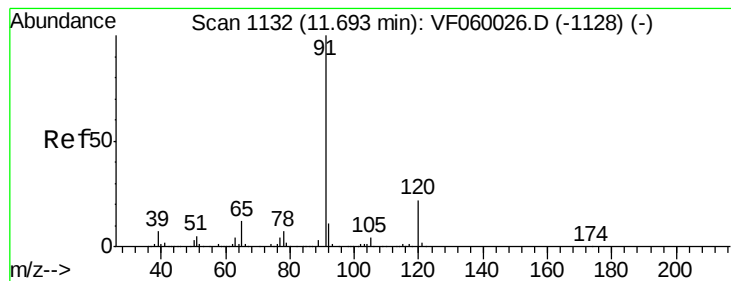


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#78

n-propylbenzene

Concen: 2.229 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. 0.02 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

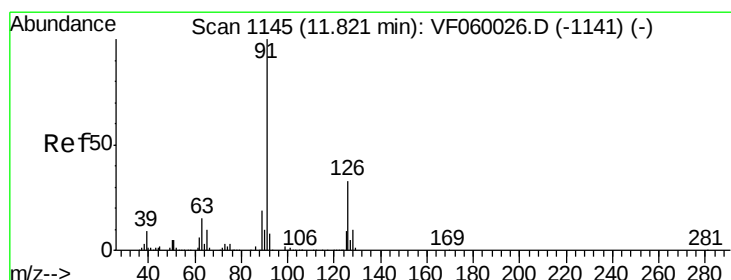
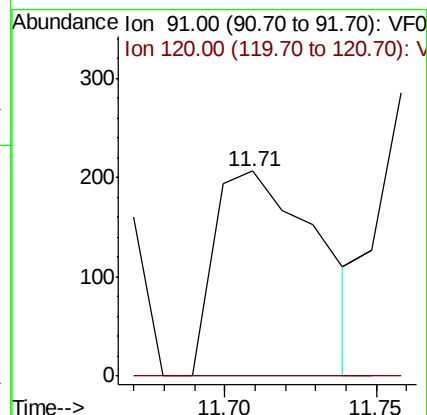
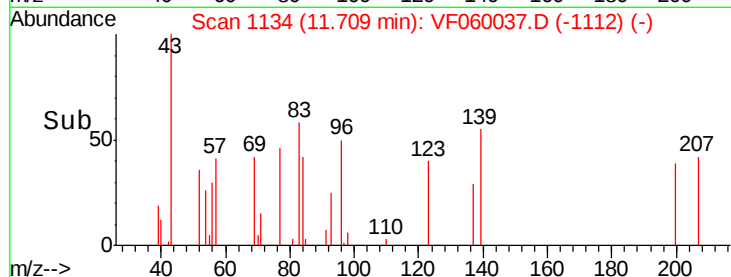
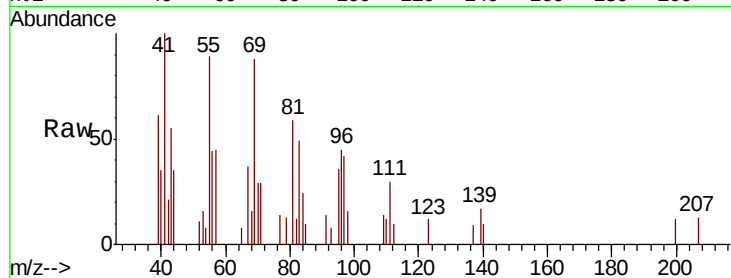
SB-02-3.5-4.0RE

Tgt Ion: 91 Resp: 489

Ion Ratio Lower Upper

91 100

120 0.0 10.9 32.7#



#79

2-Chlorotoluene

Concen: 2.969 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.06 min

Lab File: VF060037.D

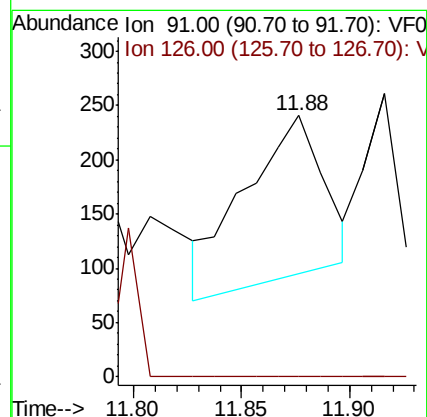
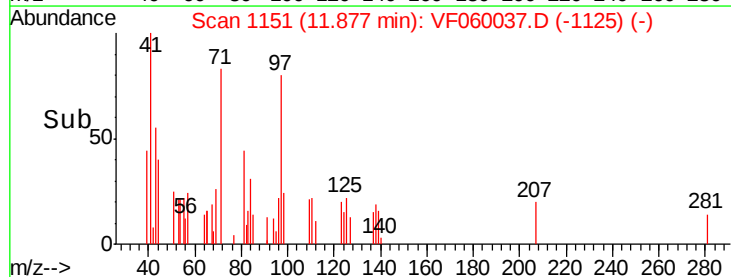
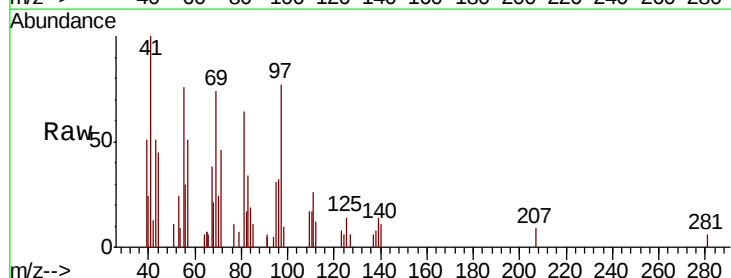
Acq: 22 Aug 2018 13:54

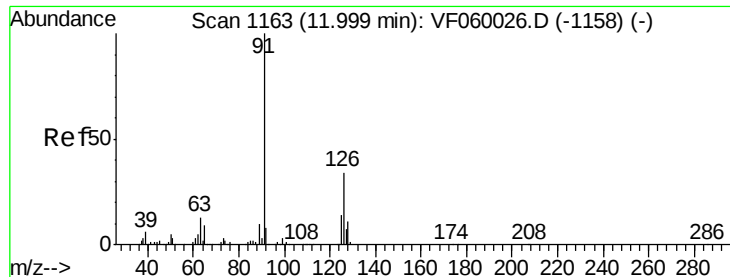
Tgt Ion: 91 Resp: 383

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#

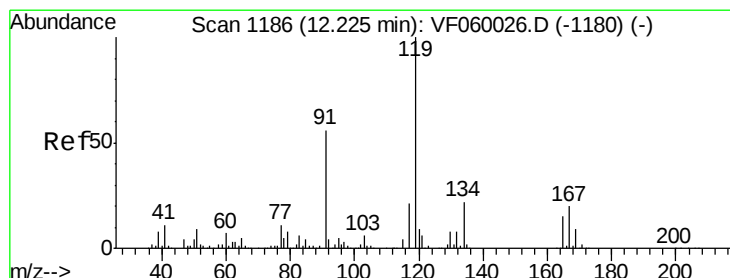
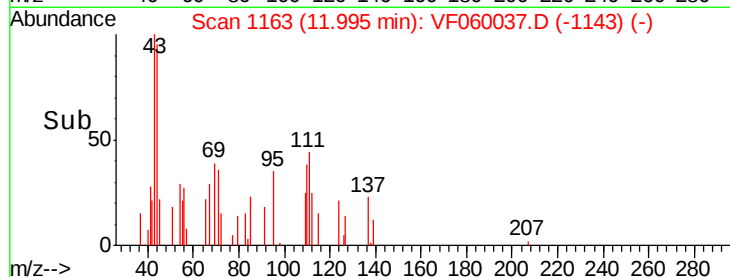
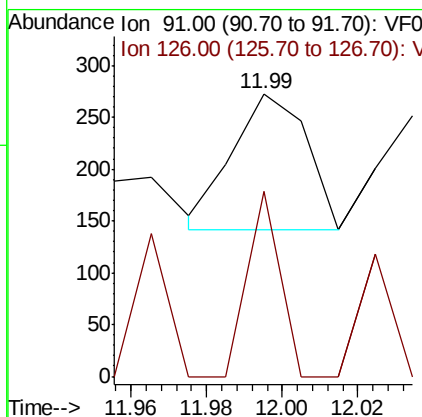
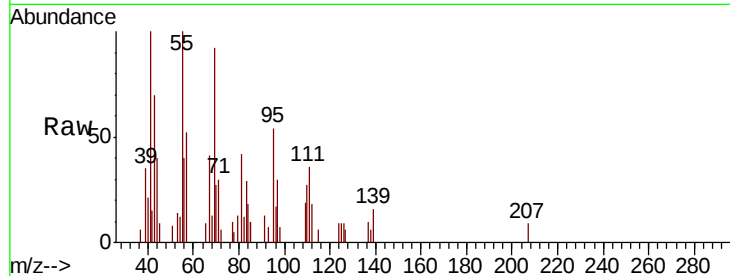




#82
4-Chlorotoluene
Concen: 1.278 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

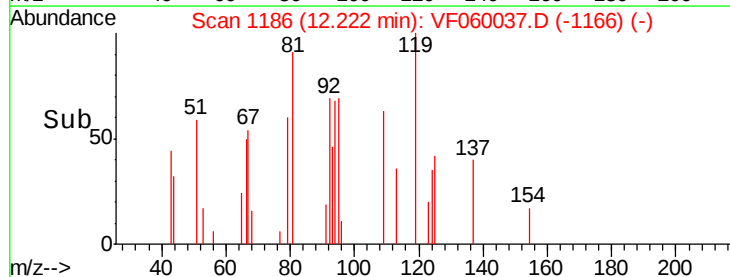
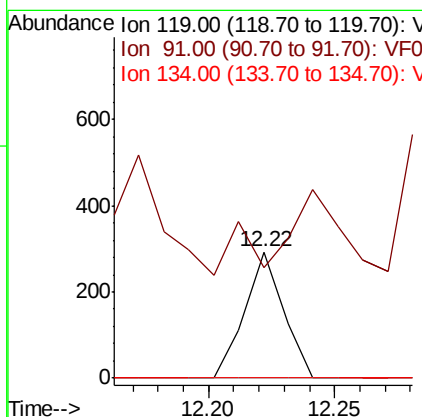
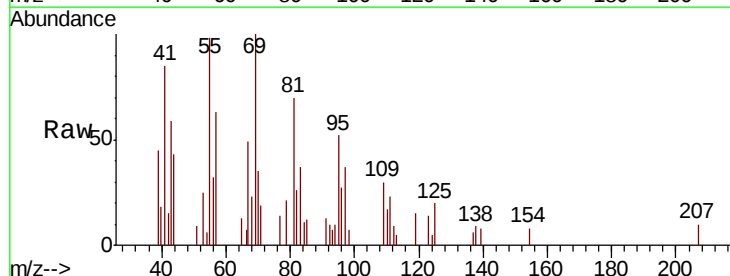
Instrument :
MSVOA_F
ClientSampleId :
SB-02-3.5-4.0RE

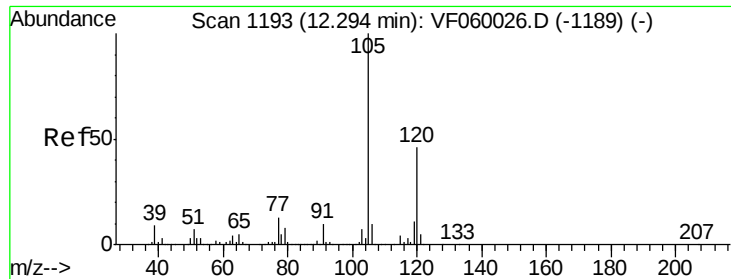
Tgt Ion: 91 Resp: 179
Ion Ratio Lower Upper
91 100
126 65.6 17.0 50.9#



#83
tert-Butylbenzene
Concen: 2.072 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Tgt Ion: 119 Resp: 313
Ion Ratio Lower Upper
119 100
91 87.4 28.1 84.3#
134 0.0 11.1 33.3#

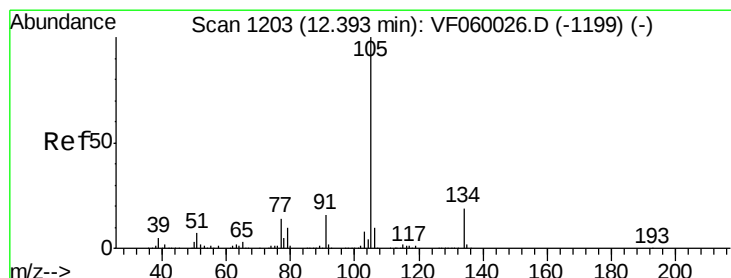
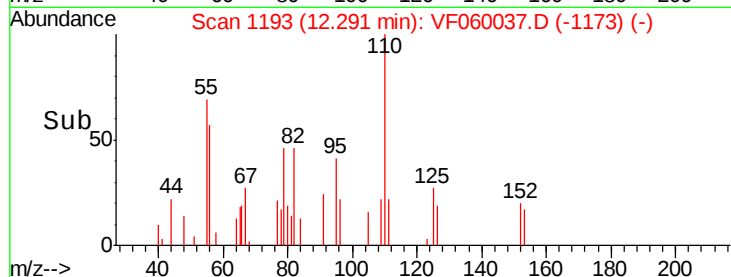
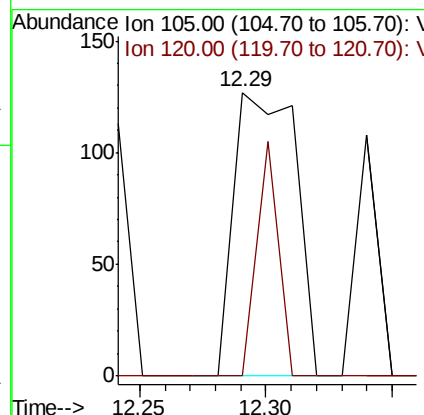
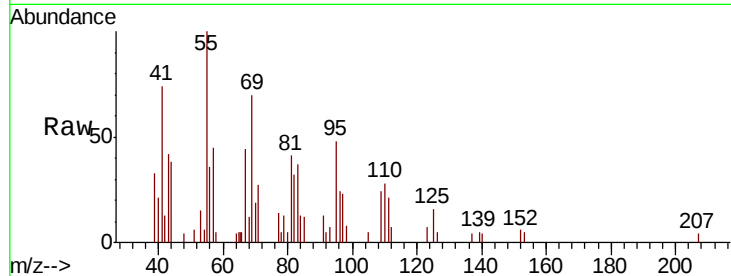




#84
1,2,4-Trimethylbenzene
Concen: 1.312 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

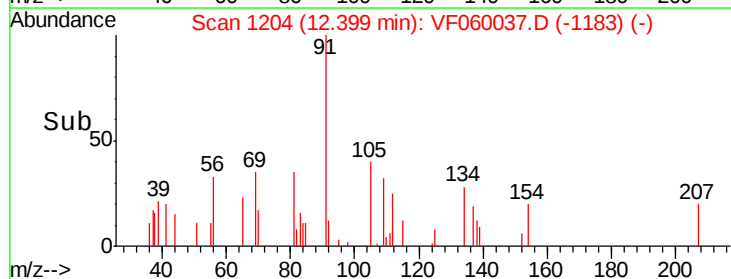
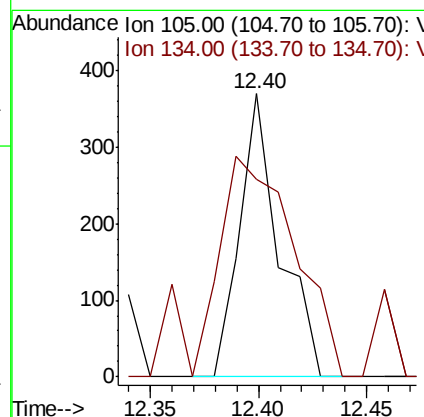
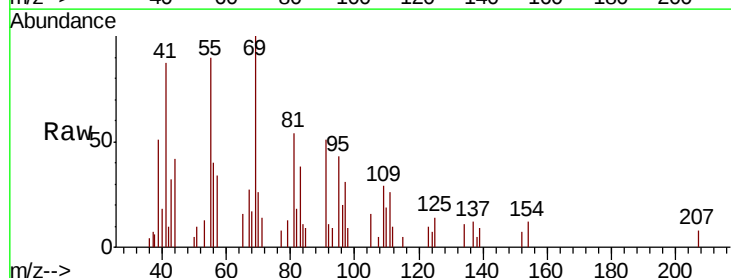
Instrument :
MSVOA_F
ClientSampleId :
SB-02-3.5-4.0RE

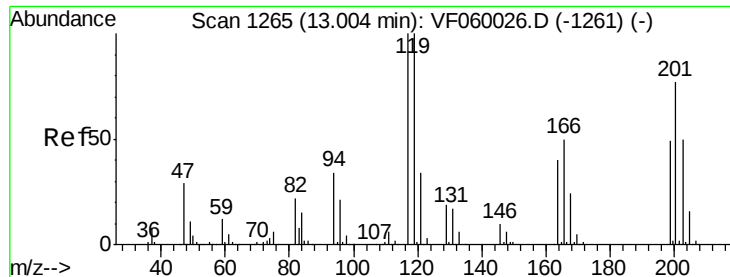
Tgt Ion:105 Resp: 216
Ion Ratio Lower Upper
105 100
120 0.0 23.3 69.8#



#85
sec-Butylbenzene
Concen: 2.240 ug/l
RT: 12.40 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VF060037.D
Acq: 22 Aug 2018 13:54

Tgt Ion:105 Resp: 471
Ion Ratio Lower Upper
105 100
134 69.6 9.3 27.9#





#90

Hexachloroethane

Concen: 1.556 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.12 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

Instrument :

MSVOA_F

ClientSampleId :

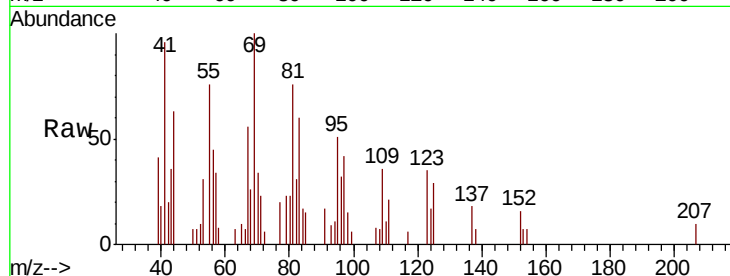
SB-02-3.5-4.0RE

Tgt Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

201 0.0 38.6 115.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.88

100

80

60

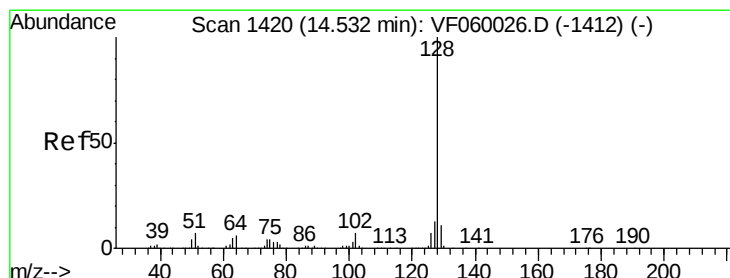
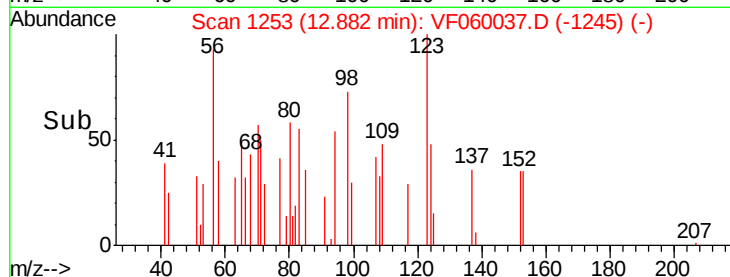
40

20

0

12.86 12.88 12.90

Time-->



#95

Naphthalene

Concen: 3.033 ug/l

RT: 14.55 min Scan# 1422

Delta R.T. 0.02 min

Lab File: VF060037.D

Acq: 22 Aug 2018 13:54

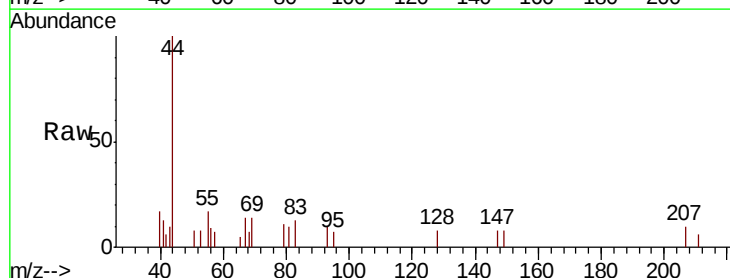
Tgt Ion:128 Resp: 86

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.55

150

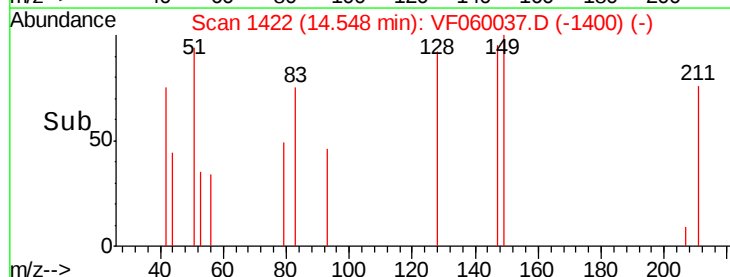
100

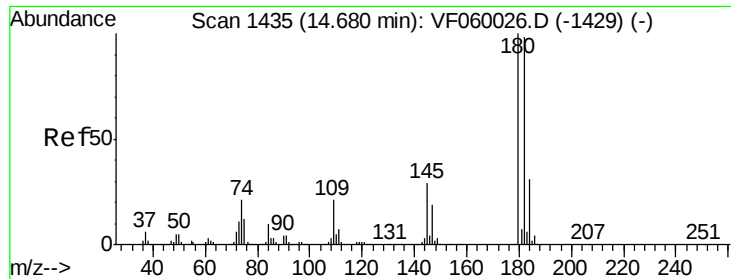
50

0

14.52 14.54 14.56 14.58

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 1.507 ug/l
 RT: 14.71 min Scan# 1438
 Delta R.T. 0.03 min
 Lab File: VF060037.D
 Acq: 22 Aug 2018 13:54

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-02-3.5-4.0RE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.0	147.2#
145	0.0	14.4	43.2#

