

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061003.D
 Acq On : 12 Dec 2018 18:45
 Operator : VA/AP
 Sample : J6194-05RE
 Misc : 6.17g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-03-121118RE

Quant Time: Dec 13 01:26:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	5548	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	6244	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	3484	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	918	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	1042	15.94	ug/l	-0.02
Spiked Amount				50.000		
Recovery						31.88%
35) Dibromofluoromethane	4.11	113	1357	27.39	ug/l	-0.04
Spiked Amount				50.000		
Recovery						54.78%
50) Toluene-d8	7.56	98	5481	37.56	ug/l	-0.03
Spiked Amount				50.000		
Recovery						75.12%
62) 4-Bromofluorobenzene	11.41	95	1288	19.42	ug/l	-0.02
Spiked Amount				50.000		
Recovery						38.84%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	105	1.266	ug/l #	41
3) Chloromethane	1.08	50	536	9.930	ug/l #	41
4) Vinyl Chloride	1.13	62	137	2.721	ug/l #	42
5) Bromomethane	1.36	94	668	18.815	ug/l #	37
6) Chloroethane	1.43	64	96	4.411	ug/l #	1
8) Diethyl Ether	1.66	74	80	5.150	ug/l	64
11) Tert butyl alcohol	2.45	59	67	25.008	ug/l #	62
12) 1,1-Dichloroethene	1.79	96	167	3.802	ug/l #	1
13) Acrolein	2.14	56	231	91.002	ug/l	85
14) Allyl chloride	2.10	41	1088	19.871	ug/l #	46
15) Acrylonitrile	2.93	53	863	143.679	ug/l #	35
16) Acetone	2.07	43	404	33.521	ug/l	100
18) Methyl Acetate	2.32	43	610	29.491	ug/l #	61
19) Methyl tert-butyl Ether	2.43	73	307	3.103	ug/l #	1
20) Methylene Chloride	2.24	84	155	3.506	ug/l #	2
21) trans-1,2-Dichloroethene	2.34	96	138	3.258	ug/l #	1
22) Diisopropyl ether	2.78	45	320	2.147	ug/l #	39
23) Vinyl Acetate	3.20	43	459	6.737	ug/l #	80
25) 2-Butanone	4.37	43	258	12.376	ug/l #	57
26) 2,2-Dichloropropane	3.69	77	63	1.096	ug/l #	60
29) Tetrahydrofuran	4.10	42	209	23.652	ug/l #	37
36) 1,1-Dichloropropene	4.24	75	123	1.776	ug/l #	44
37) Ethyl Acetate	4.13	43	209	7.426	ug/l #	14
41) Methacrylonitrile	4.73	41	313	19.081	ug/l #	23
43) Isopropyl Acetate	6.92	43	300	6.260	ug/l #	49
44) Trichloroethene	5.38	130	61	1.219	ug/l	1
48) Methyl methacrylate	6.70	41	379	14.877	ug/l #	43
49) 1,4-Dioxane	6.92	88	115	616.804	ug/l #	1
51) 4-Methyl-2-Pentanone	8.22	43	380	14.642	ug/l #	38
55) 1,1,2-Trichloroethane	8.41	97	72	2.299	ug/l #	15
56) Ethyl methacrylate	8.51	69	62	1.782	ug/l #	1
59) 2-Hexanone	9.46	43	390	21.419	ug/l #	27
74) N-amyl acetate	11.40	43	630	37.608	ug/l #	49
76) 1,2,3-Trichloropropane	11.66	75	64	7.375	ug/l #	1

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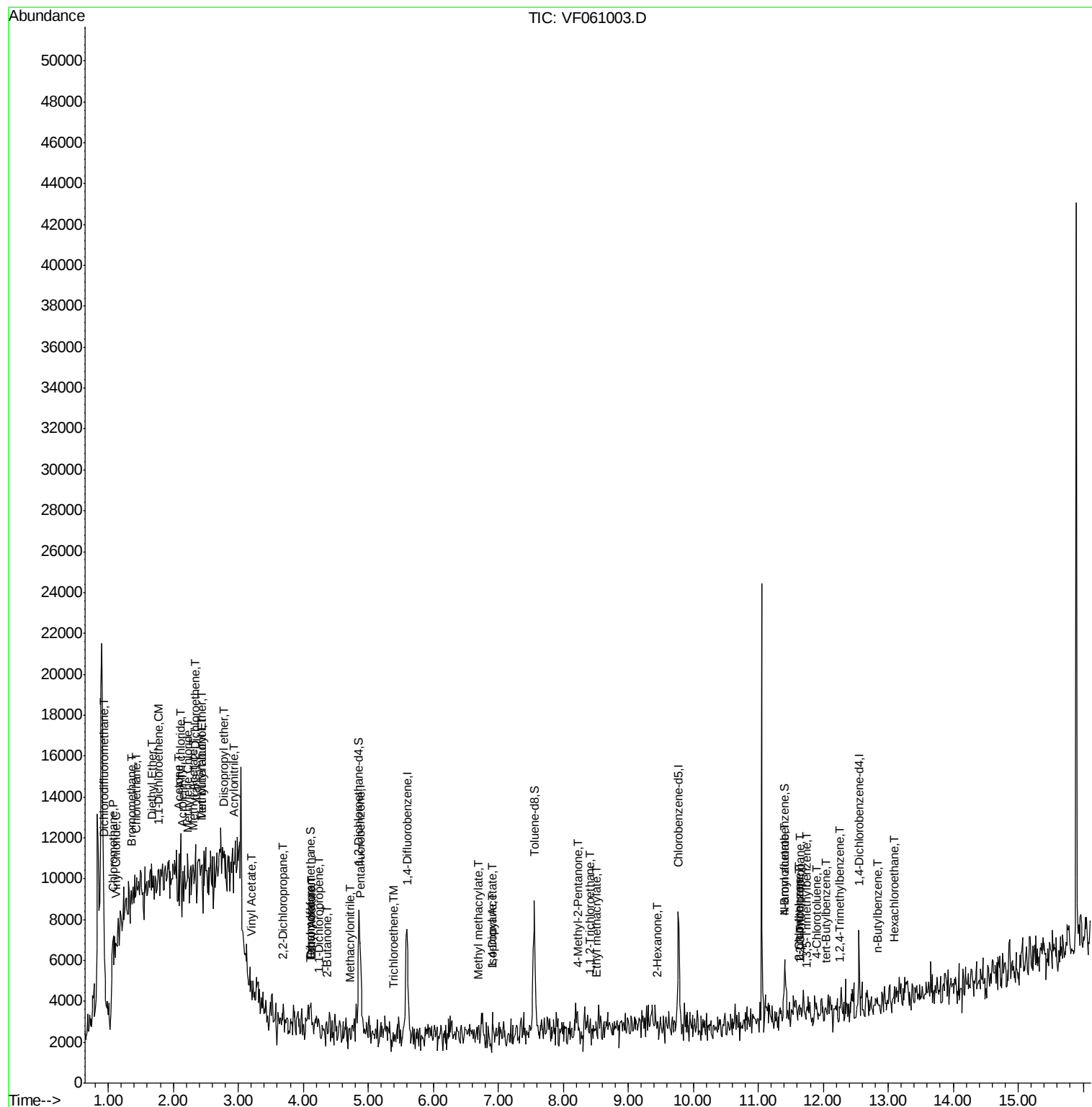
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.63	91	113	1.330	ug/l #	56
79) 2-Chlorotoluene	11.63	91	113	2.320	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.73	105	66	1.121	ug/l #	26
82) 4-Chlorotoluene	11.90	91	59	1.151	ug/l #	45
83) tert-Butylbenzene	12.05	119	92	1.534	ug/l #	45
84) 1,2,4-Trimethylbenzene	12.25	105	68	1.157	ug/l #	29
89) n-Butylbenzene	12.85	91	75	1.077	ug/l #	27
90) Hexachloroethane	13.09	117	91	5.489	ug/l #	25

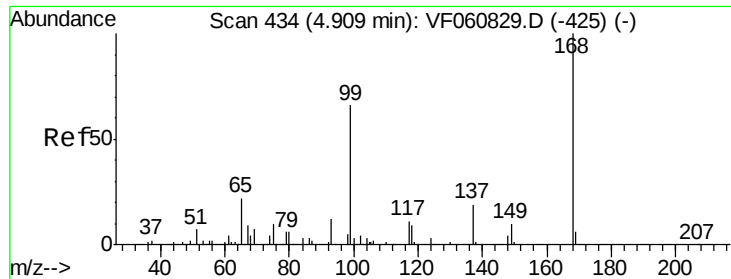
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

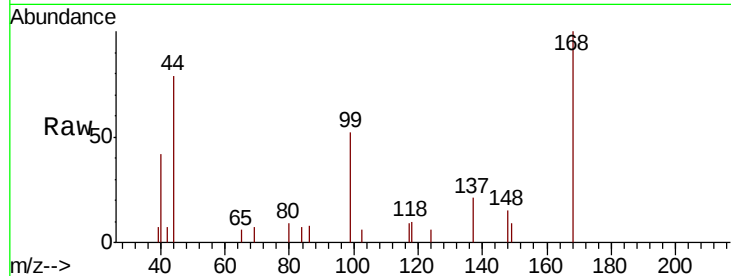
OK-03-121118RE

Tot Ion:168 Resp: 5548

Ion Ratio Lower Upper

168 100

99 52.4 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

1500

1000

500

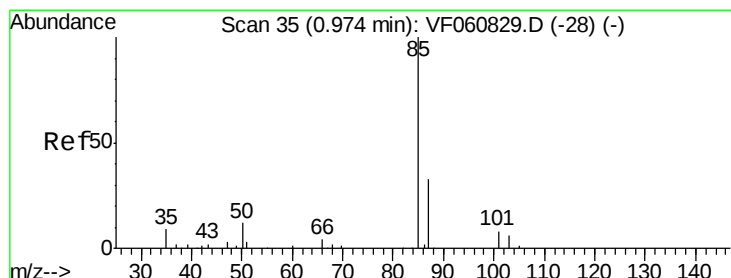
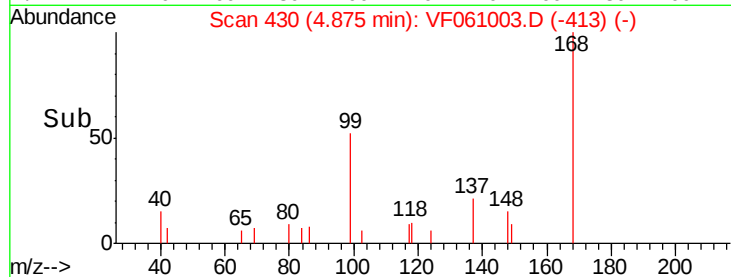
0

4.80

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 1.266 ug/l

RT: 0.94 min Scan# 31

Delta R.T. -0.03 min

Lab File: VF061003.D

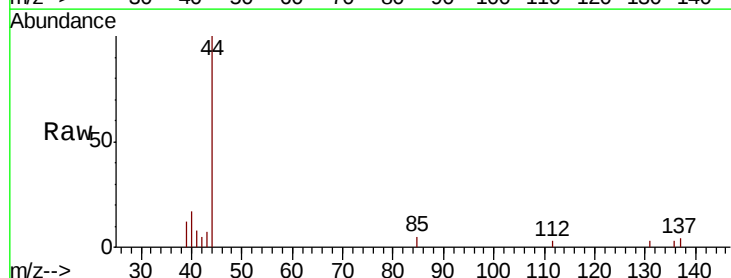
Acq: 12 Dec 2018 18:45

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

200

150

100

50

0

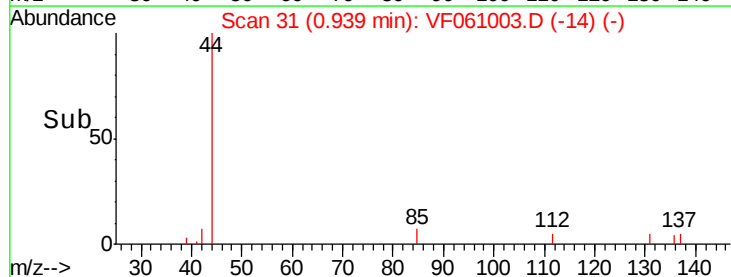
0.90

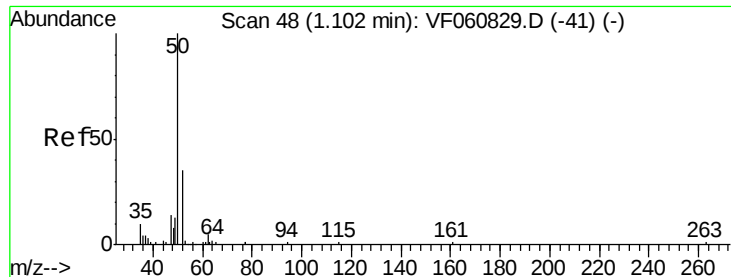
0.92

0.94

0.96

Time-->





#3

Chloromethane

Concen: 9.930 ug/l

RT: 1.08 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

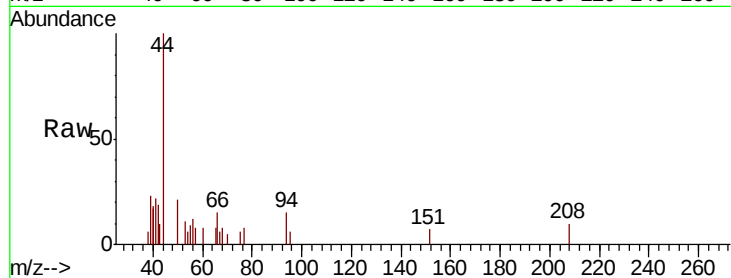
OK-03-121118RE

Tot Ion: 50 Resp: 536

Ion Ratio Lower Upper

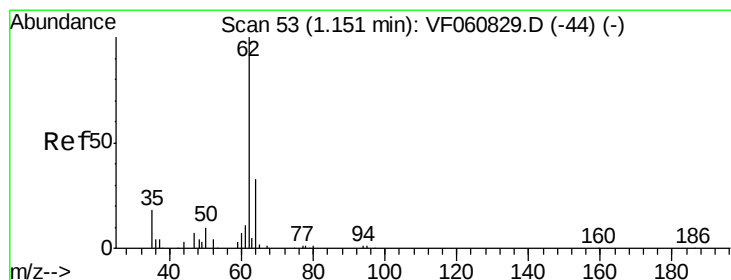
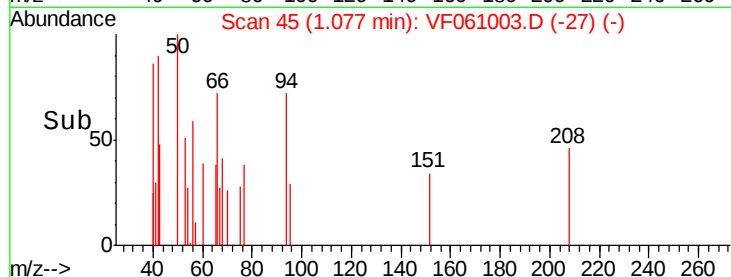
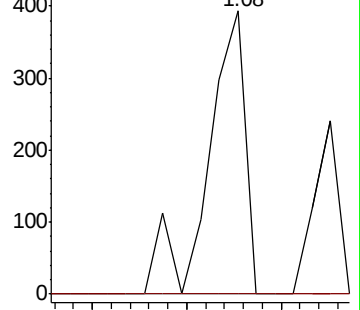
50 100

52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 2.721 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061003.D

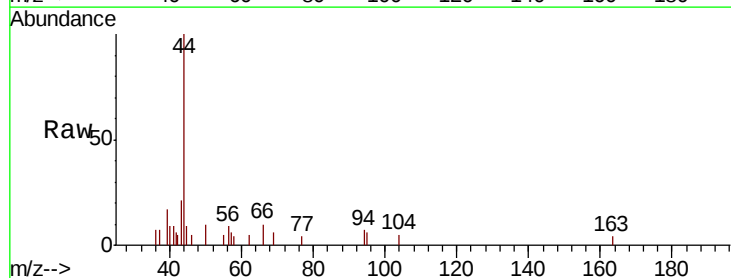
Acq: 12 Dec 2018 18:45

Tgt Ion: 62 Resp: 137

Ion Ratio Lower Upper

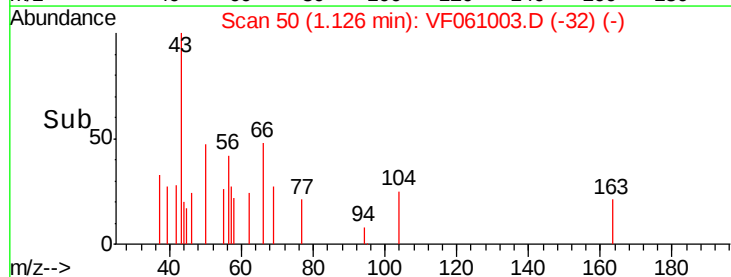
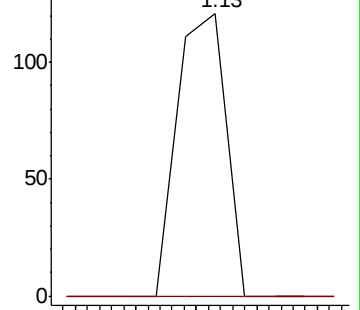
62 100

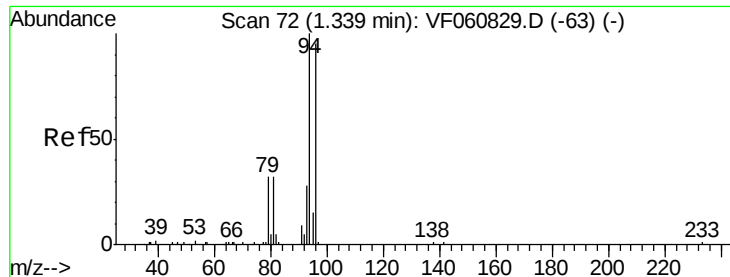
64 0.0 26.4 39.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.815 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.02 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

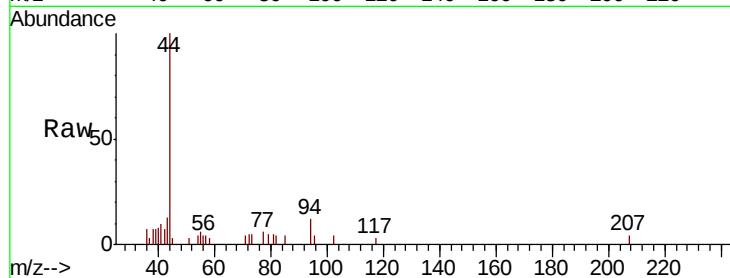
OK-03-121118RE

Tot Ion: 94 Resp: 668

Ion Ratio Lower Upper

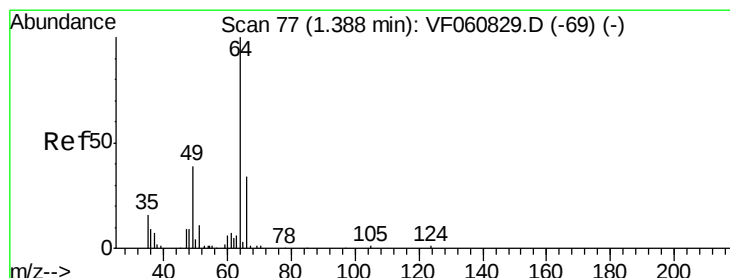
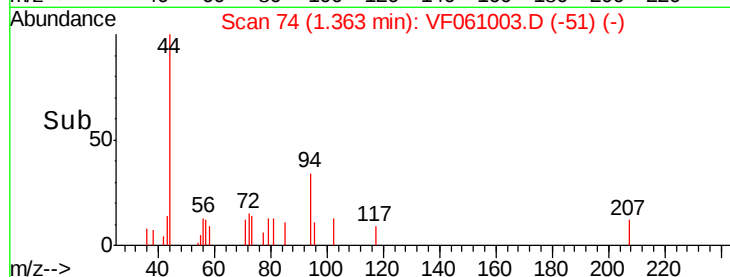
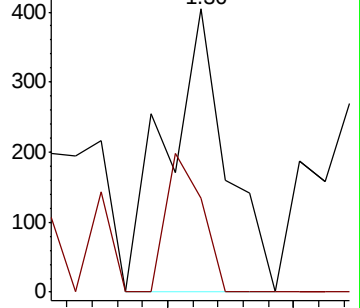
94 100

96 33.4 75.9 113.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 4.411 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.04 min

Lab File: VF061003.D

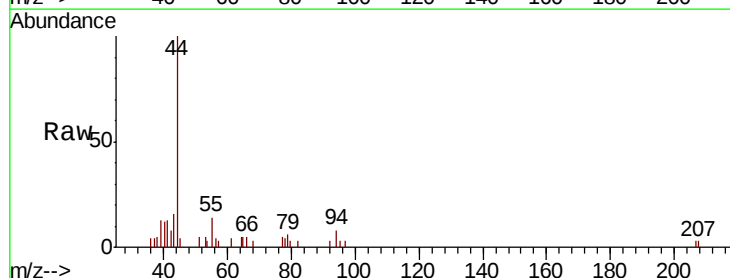
Acq: 12 Dec 2018 18:45

Tgt Ion: 64 Resp: 96

Ion Ratio Lower Upper

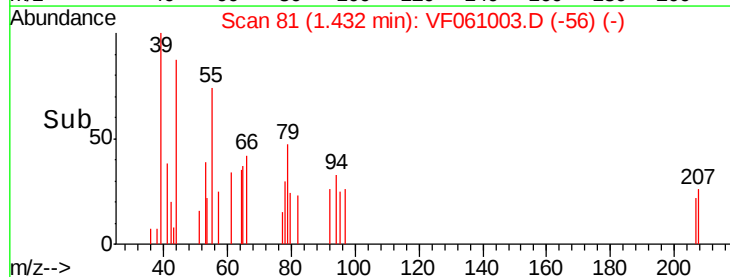
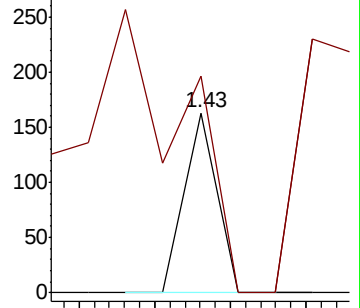
64 100

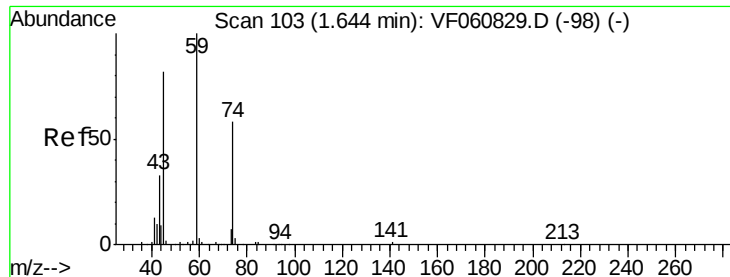
66 120.9 28.1 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 5.150 ug/l

RT: 1.66 min Scan# 104

Delta R.T. 0.01 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

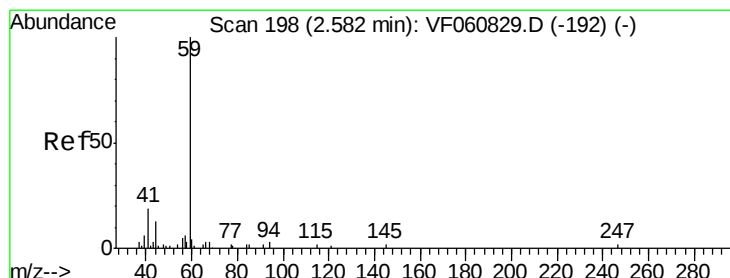
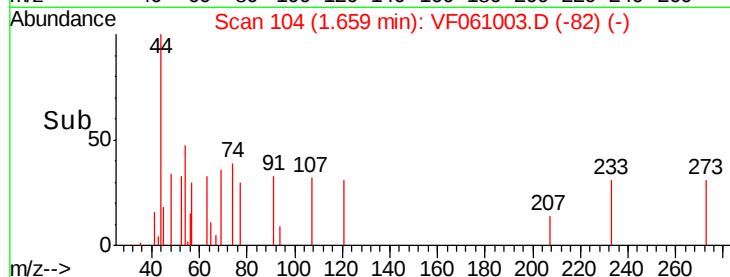
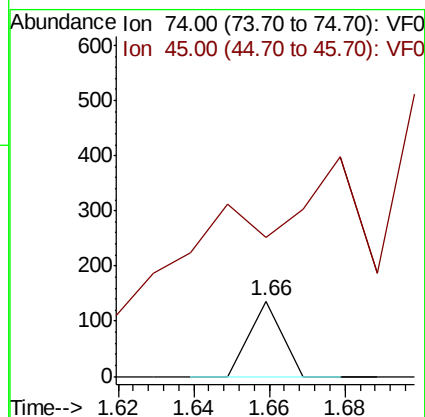
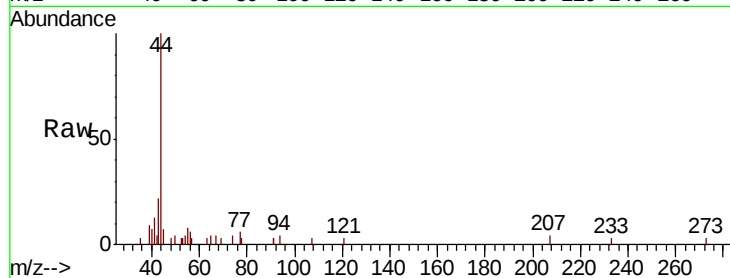
OK-03-121118RE

Tot Ion: 74 Resp: 80

Ion Ratio Lower Upper

74 100

45 186.0 71.0 212.8



#11

Tert butyl alcohol

Concen: 25.008 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.13 min

Lab File: VF061003.D

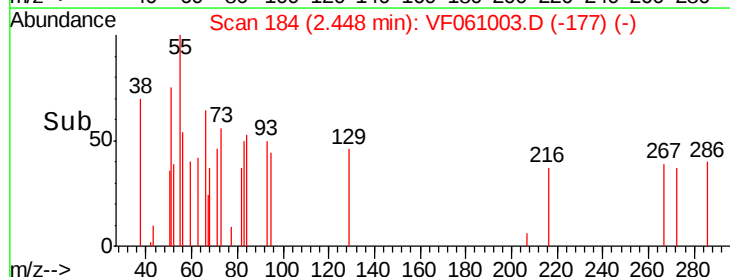
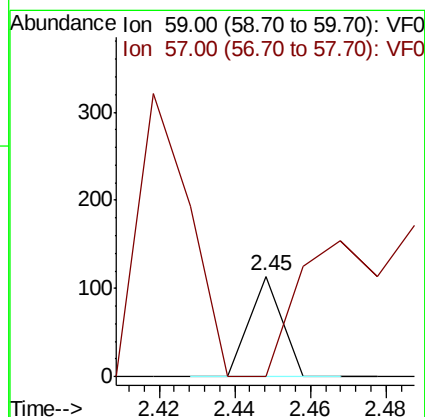
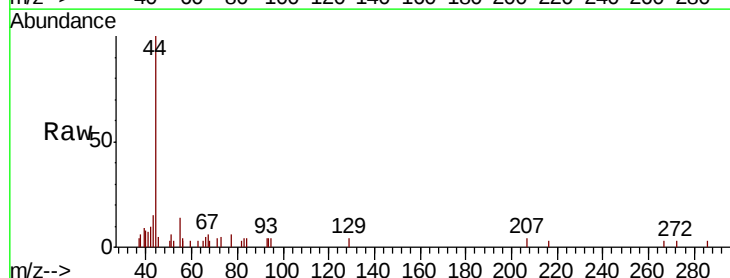
Acq: 12 Dec 2018 18:45

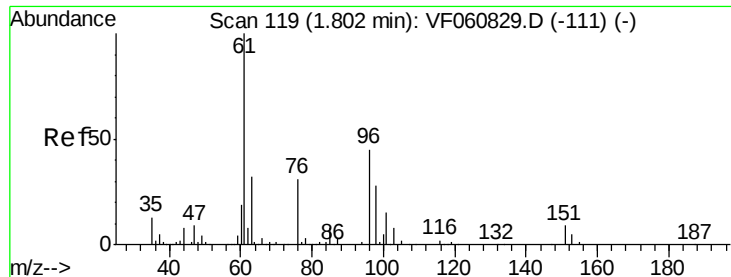
Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 12.7 19.1#





#12

1,1-Dichloroethene

Concen: 3.802 ug/l

RT: 1.79 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

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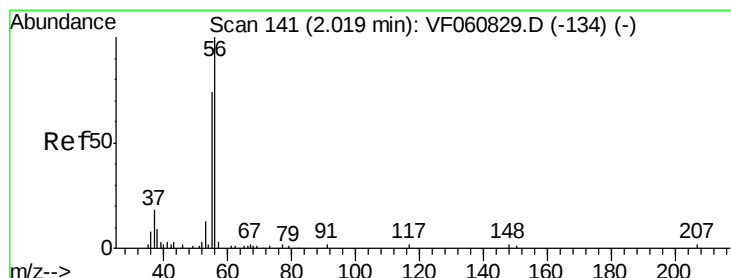
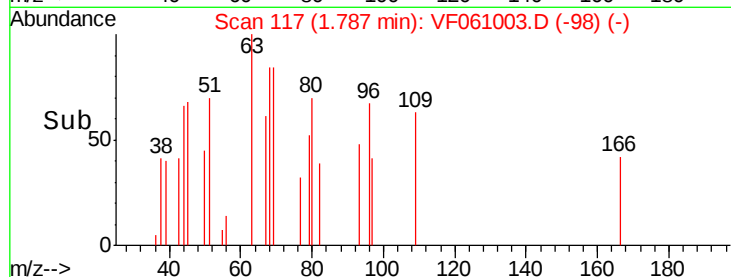
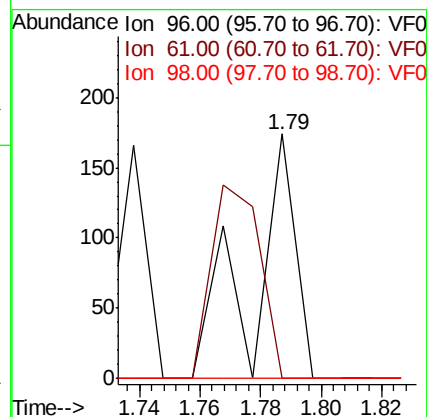
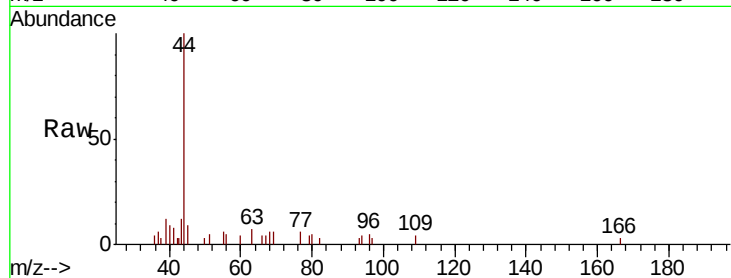
Tot Ion: 96 Resp: 167

Ion Ratio Lower Upper

96 100

61 0.0 177.3 265.9#

98 0.0 49.6 74.4#



#13

Acrolein

Concen: 91.002 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.12 min

Lab File: VF061003.D

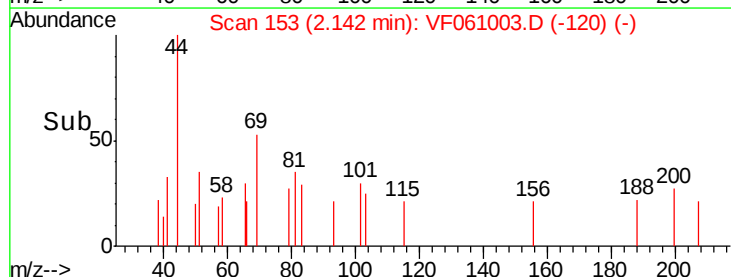
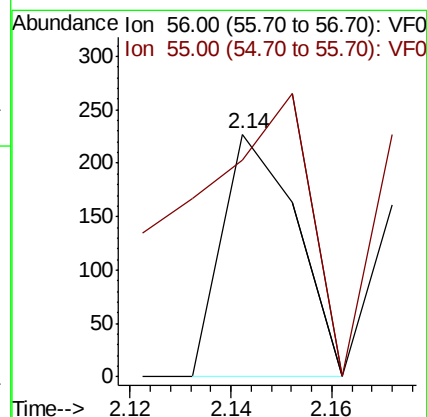
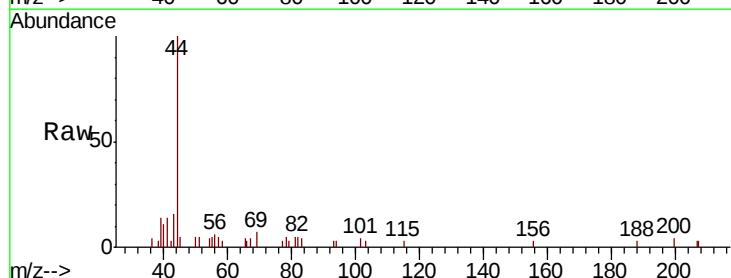
Acq: 12 Dec 2018 18:45

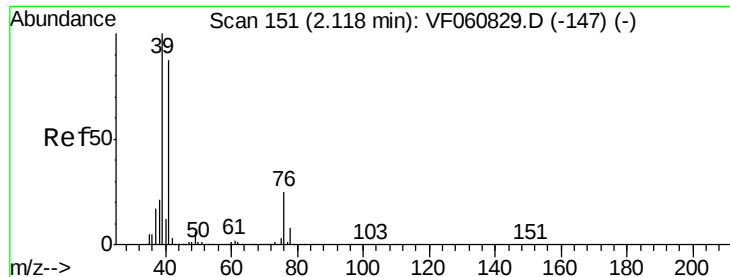
Tgt Ion: 56 Resp: 231

Ion Ratio Lower Upper

56 100

55 89.4 61.2 91.8

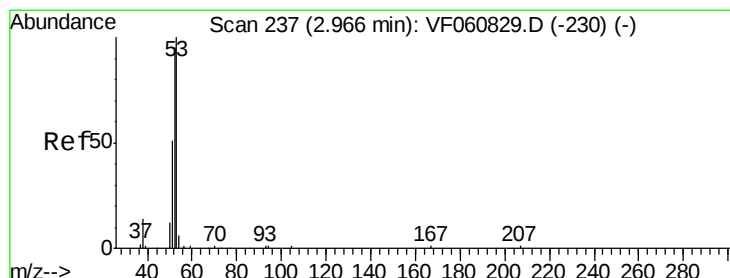
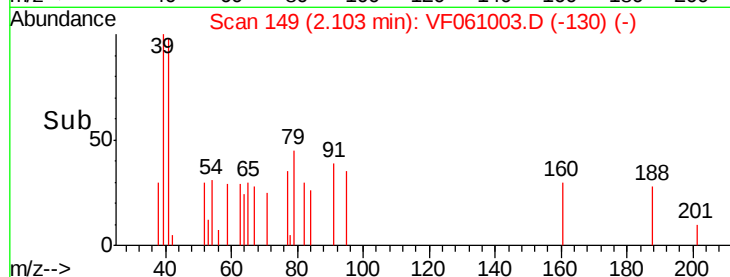
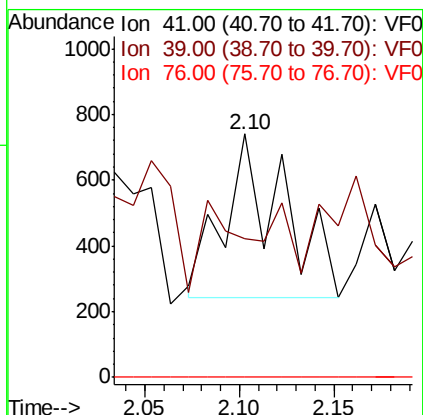
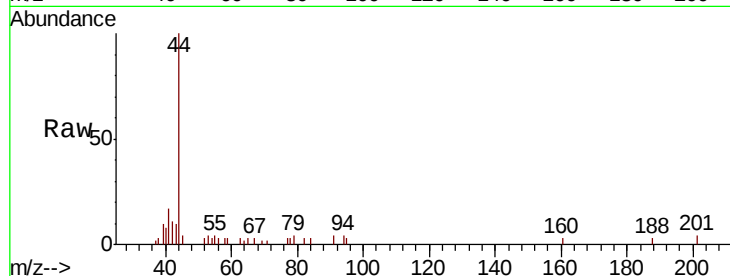




#14
Allvl chloride
Concen: 19.871 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.02 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

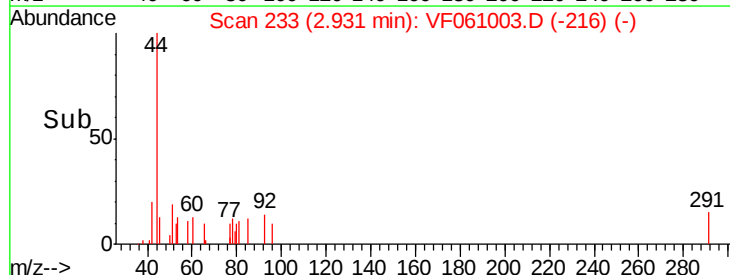
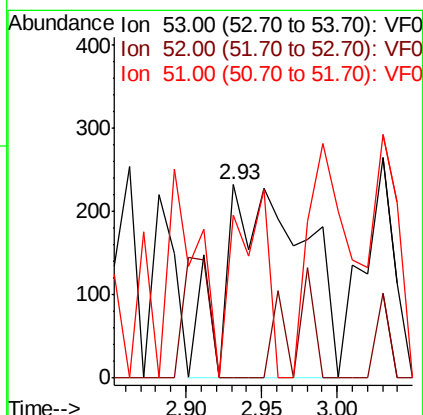
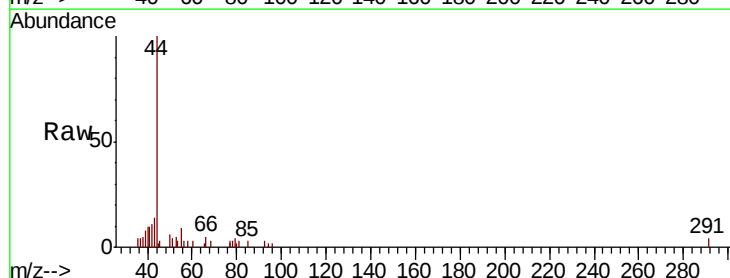
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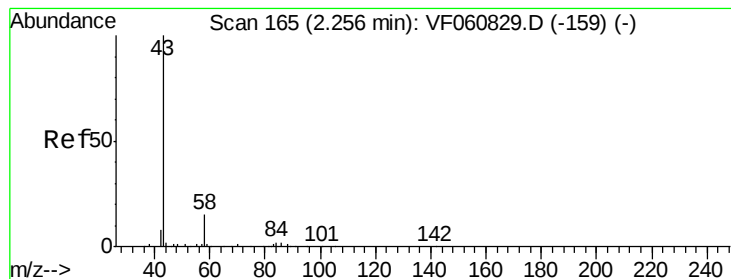
Tot Ion: 41 Resp: 1088
Ion Ratio Lower Upper
41 100
39 56.8 91.7 137.5#
76 0.0 23.5 35.3#



#15
Acrylonitrile
Concen: 143.679 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.03 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion: 53 Resp: 863
Ion Ratio Lower Upper
53 100
52 0.0 76.5 114.7#
51 52.5 40.7 61.1





#16

Acetone

Concen: 33.521 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.18 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

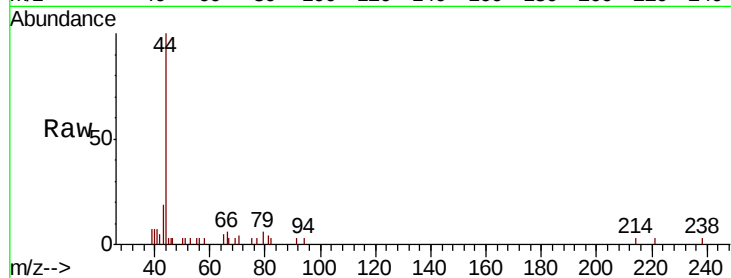
OK-03-121118RE

Tot Ion: 43 Resp: 404

Ion Ratio Lower Upper

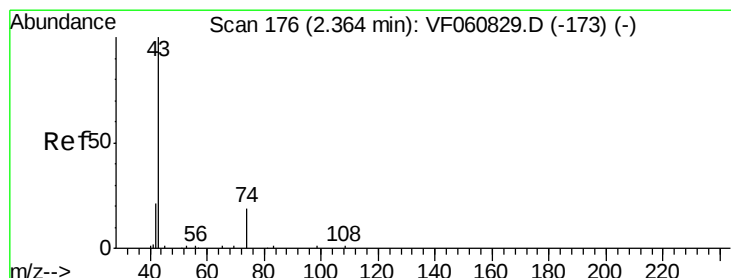
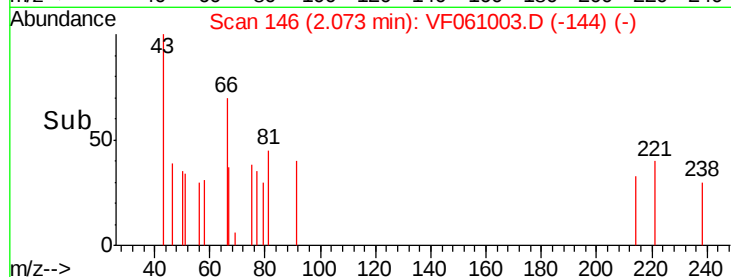
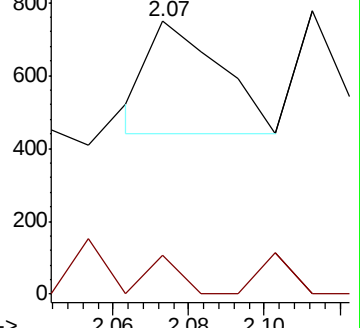
43 100

58 14.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 29.491 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.04 min

Lab File: VF061003.D

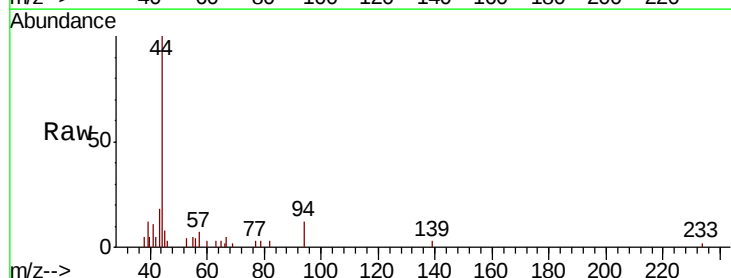
Acq: 12 Dec 2018 18:45

Tgt Ion: 43 Resp: 610

Ion Ratio Lower Upper

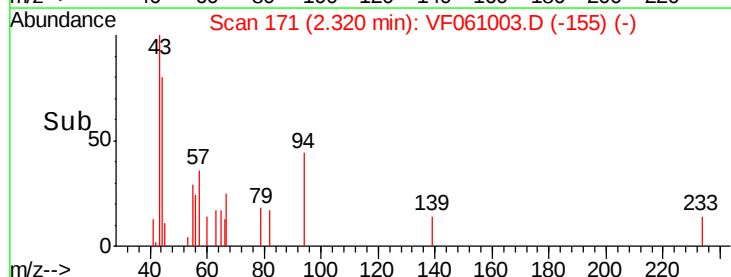
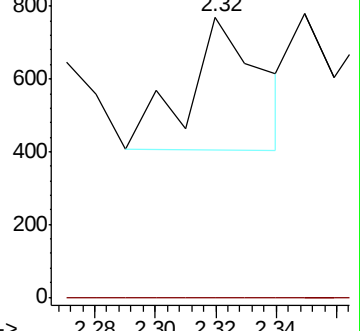
43 100

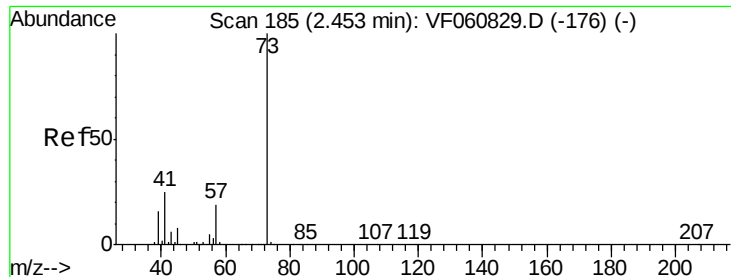
74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

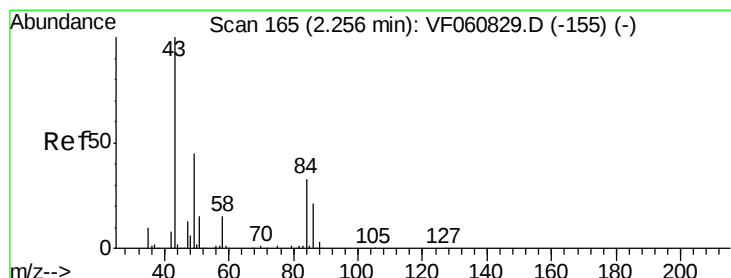
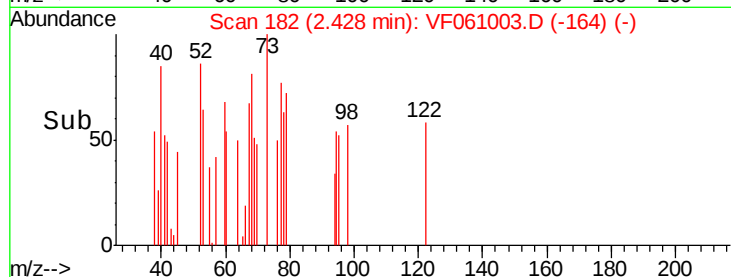
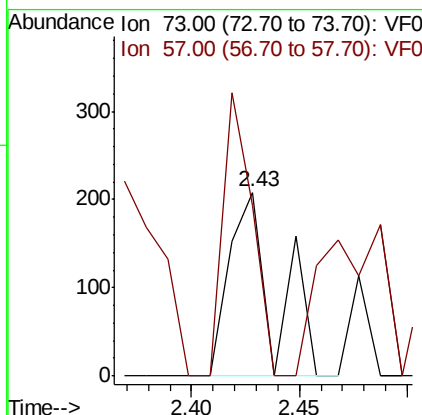
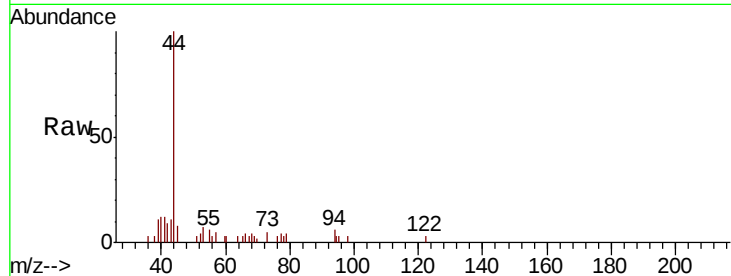




#19
Methyl tert-butyl Ether
Concen: 3.103 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

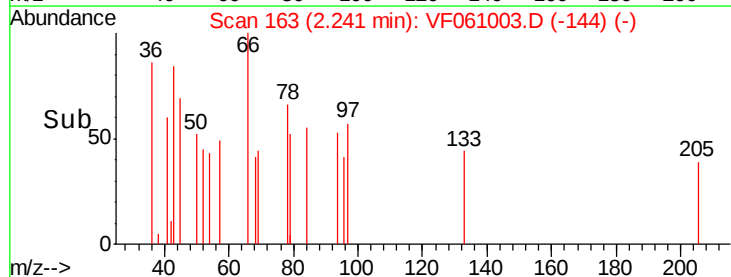
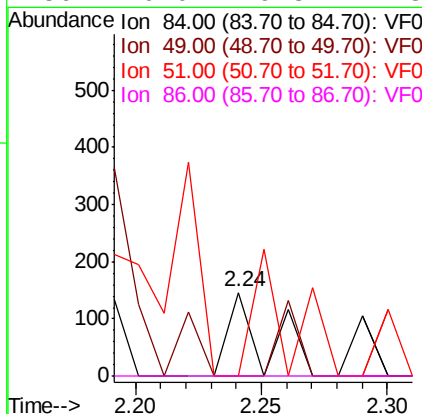
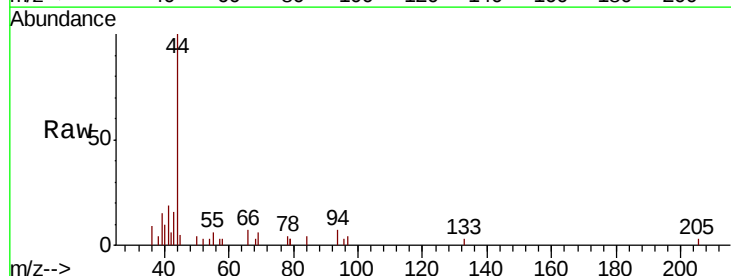
Instrument :
MSVOA_F
ClientSampleId :
OK-03-121118RE

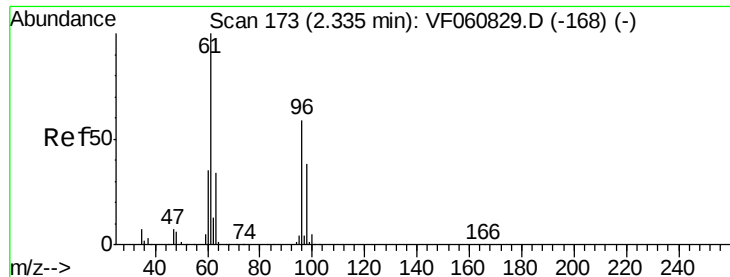
Tot Ion: 73 Resp: 307
Ion Ratio Lower Upper
73 100
57 92.8 15.3 22.9#



#20
Methylene Chloride
Concen: 3.506 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion: 84 Resp: 155
Ion Ratio Lower Upper
84 100
49 0.0 111.3 166.9#
51 0.0 38.0 57.0#
86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 3.258 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

OK-03-121118RE

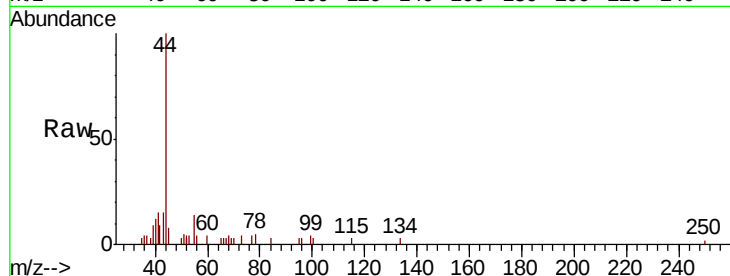
Tot Ion: 96 Resp: 138

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

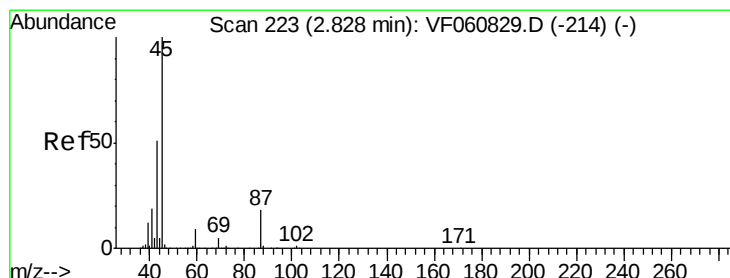
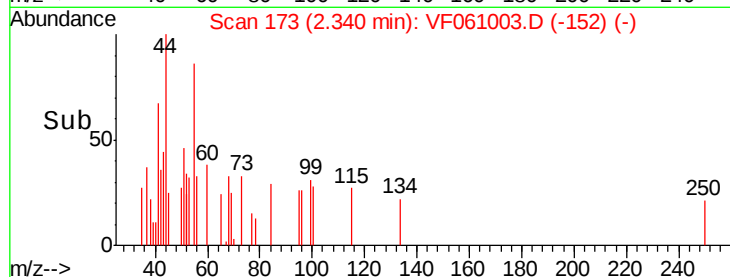
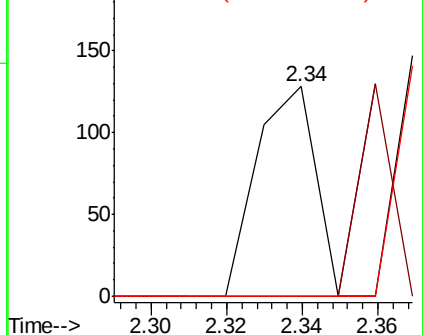
98 0.0 51.6 77.4#



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



#22

Diisopropyl ether

Concen: 2.147 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.04 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Tgt Ion: 45 Resp: 320

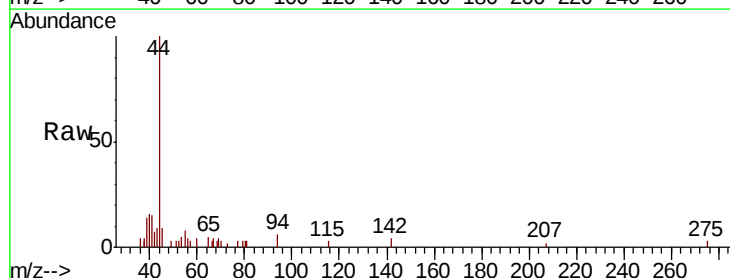
Ion Ratio Lower Upper

45 100

43 102.8 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

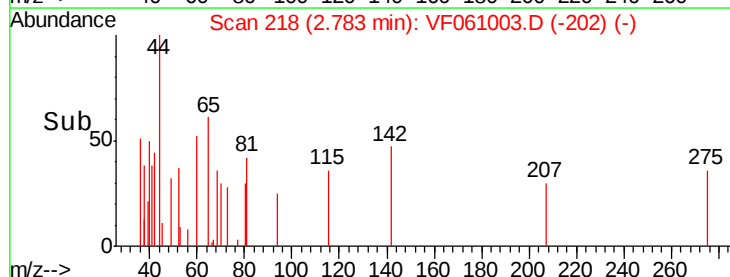
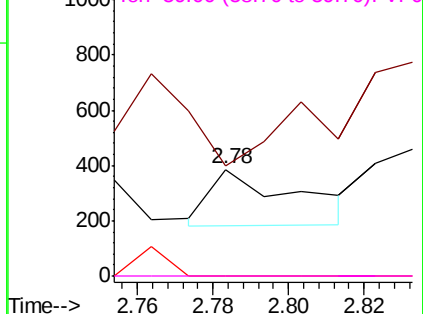


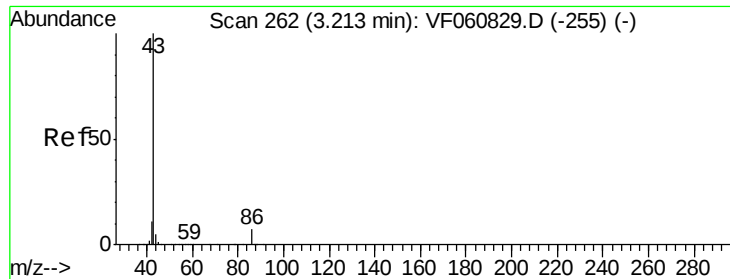
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 6.737 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

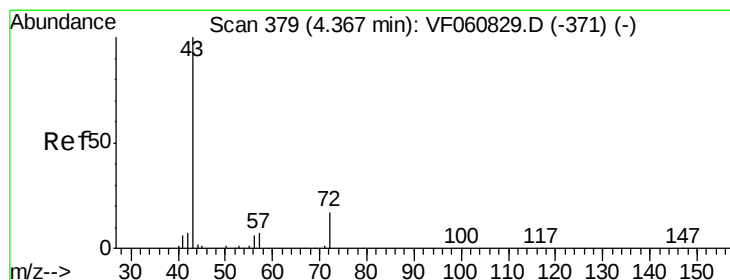
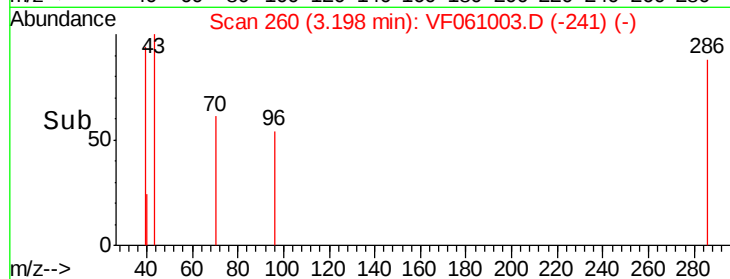
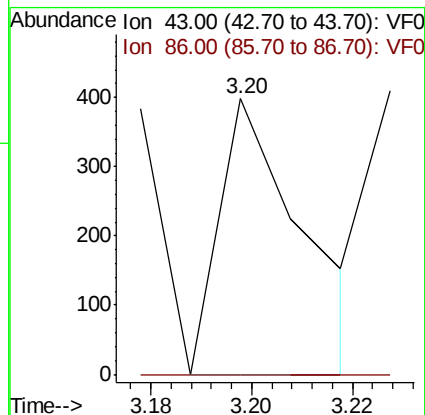
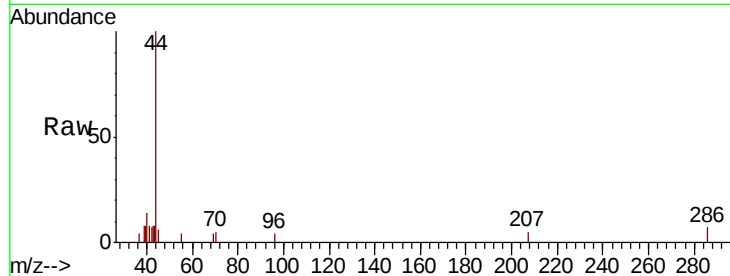
OK-03-121118RE

Tot Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



#25

2-Butanone

Concen: 12.376 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF061003.D

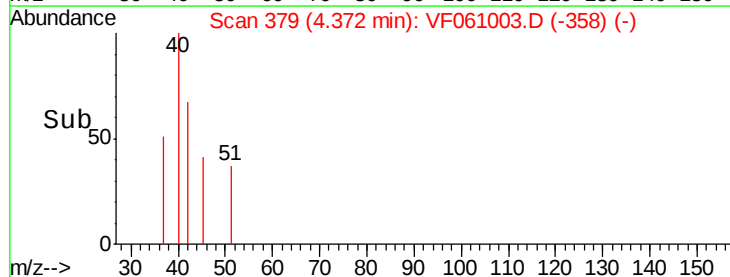
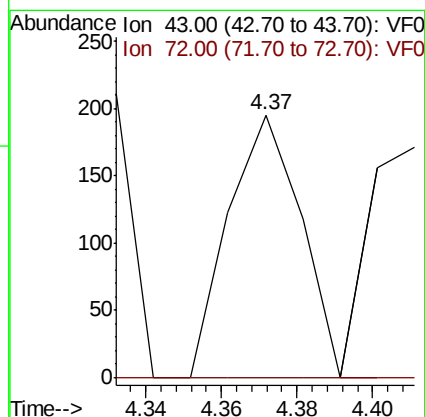
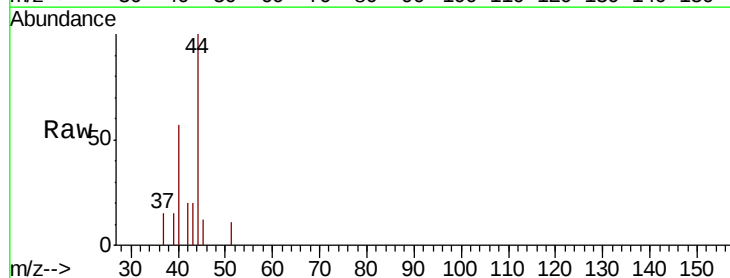
Acq: 12 Dec 2018 18:45

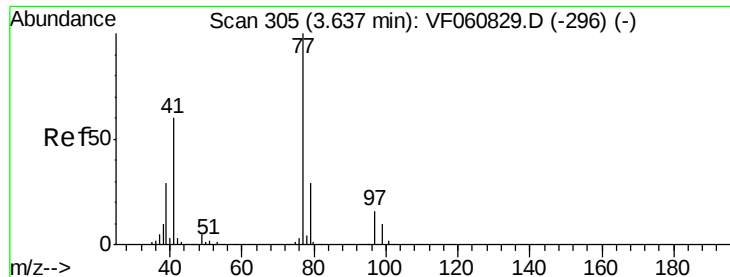
Tgt Ion: 43 Resp: 258

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#





#26

2,2-Dichloropropane

Concen: 1.096 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.05 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

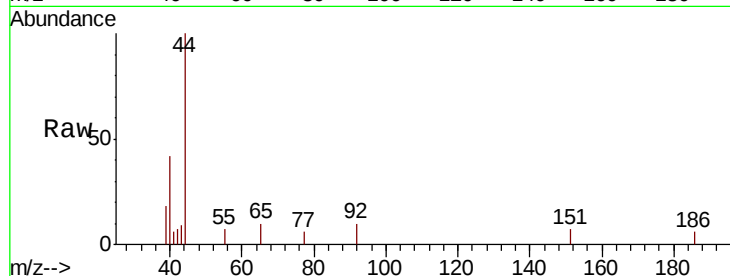
OK-03-121118RE

Tot Ion: 77 Resp: 63

Ion Ratio Lower Upper

77 100

97 0.0 8.6 25.8#

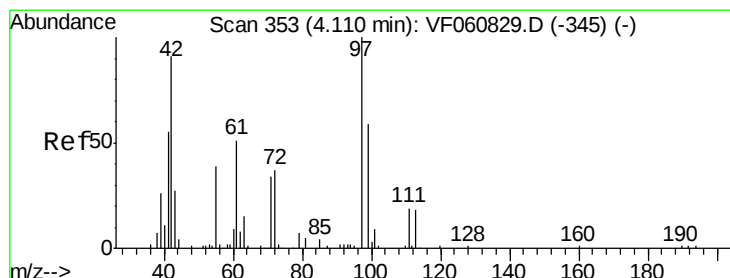
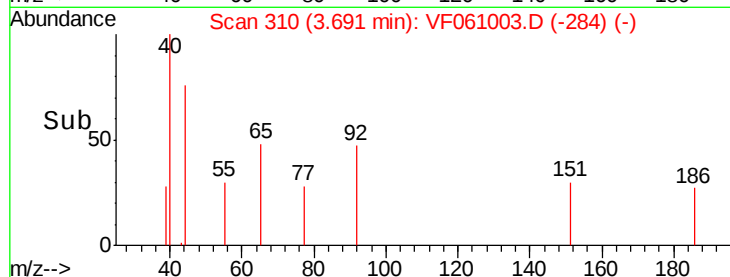


Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.69

Time-->



#29

Tetrahydrofuran

Concen: 23.652 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

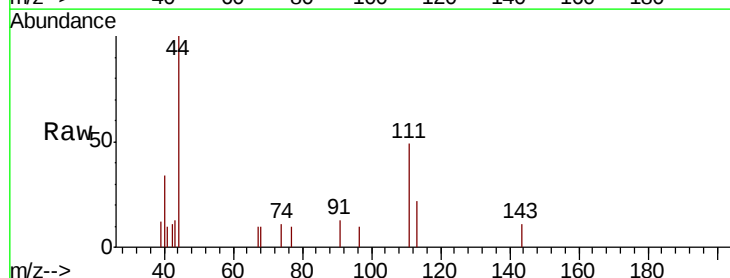
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 0.0 28.7 43.1#



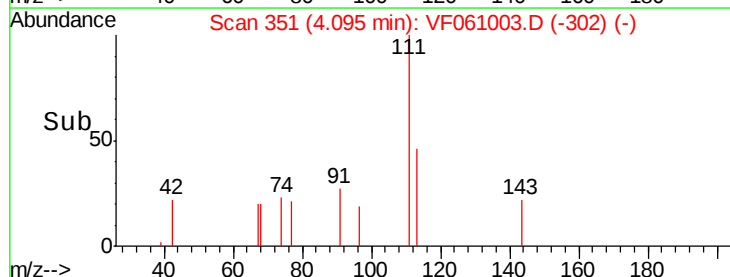
Abundance Ion 42.00 (41.70 to 42.70): VF0

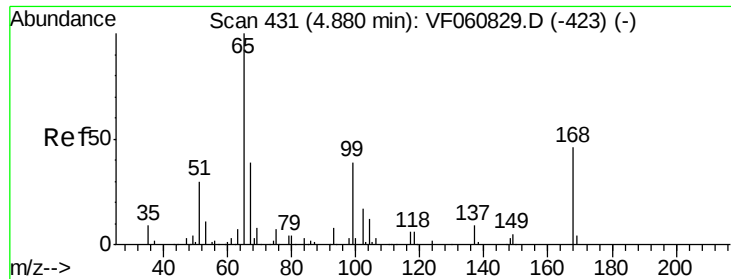
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.10

Time-->

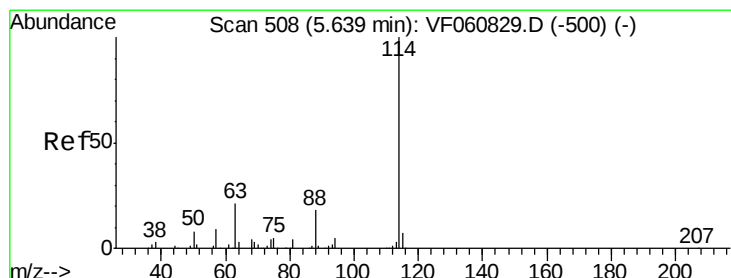
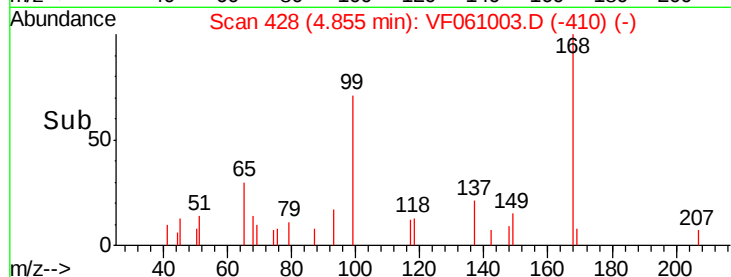
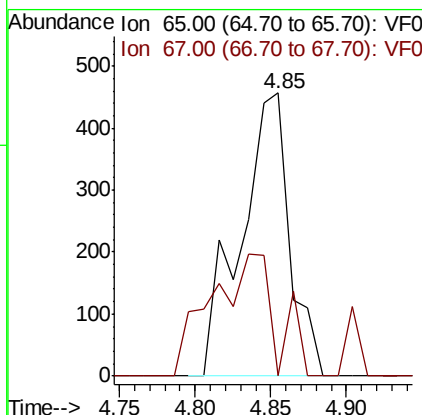
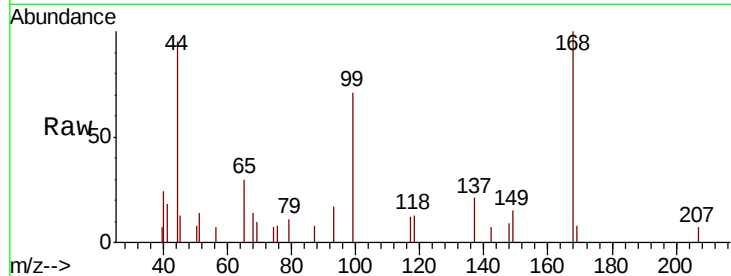




#33
 1,2-Dichloroethane-d4
 Concen: 15.943 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.02 min
 Lab File: VF061003.D
 Acq: 12 Dec 2018 18:45

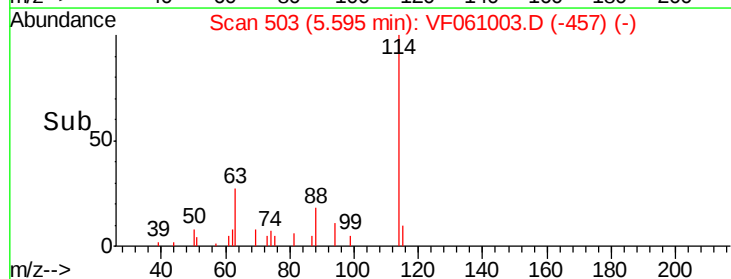
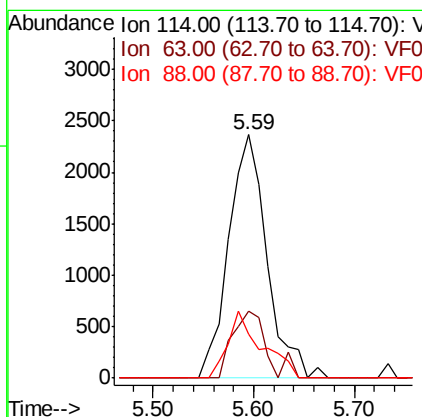
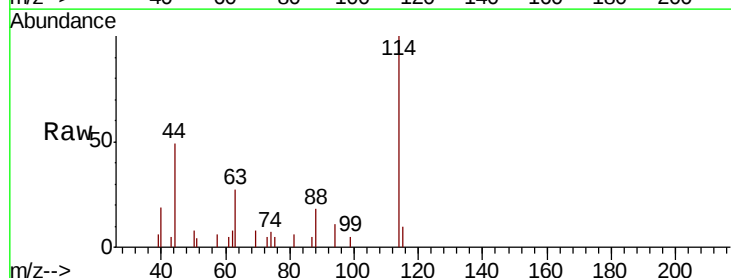
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-03-121118RE

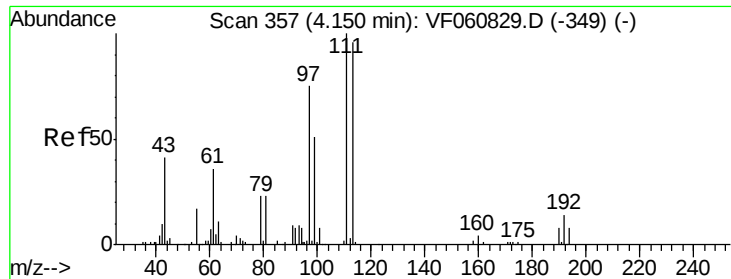
Tot Ion: 65 Resp: 1042
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VF061003.D
 Acq: 12 Dec 2018 18:45

Tgt Ion: 114 Resp: 6244
 Ion Ratio Lower Upper
 114 100
 63 27.5 0.0 41.6
 88 18.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 27.395 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.04 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

OK-03-121118RE

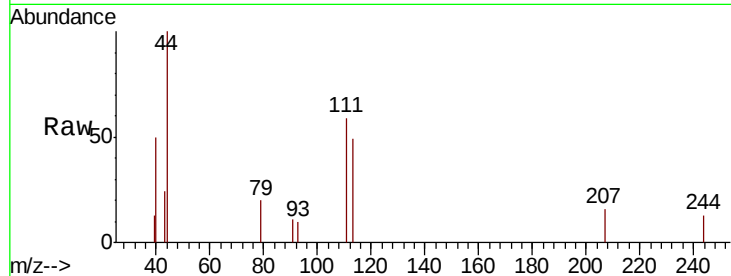
Tot Ion:113 Resp: 1357

Ion Ratio Lower Upper

113 100

111 119.6 83.0 124.6

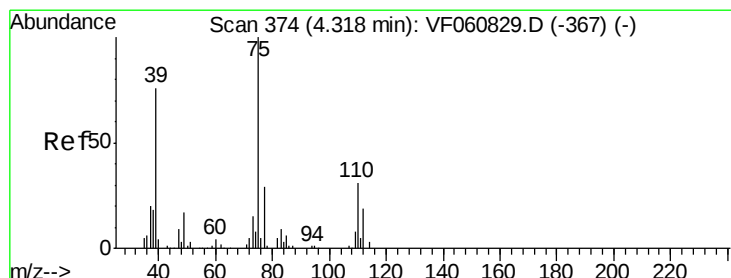
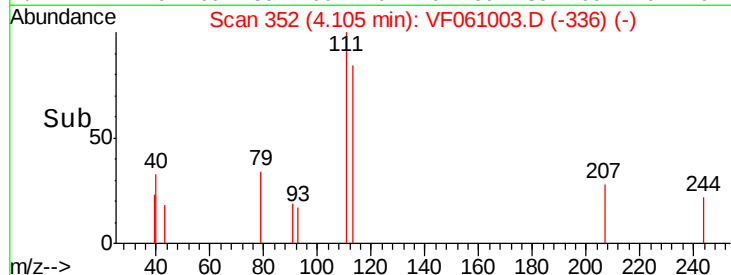
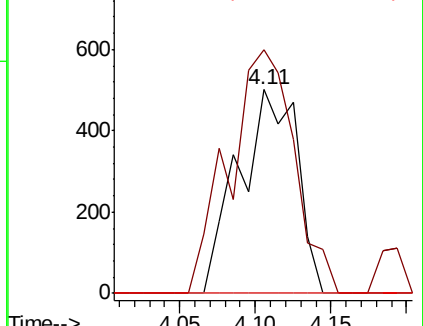
192 0.0 12.3 18.5#



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



#36

1,1-Dichloropropene

Concen: 1.776 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.07 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

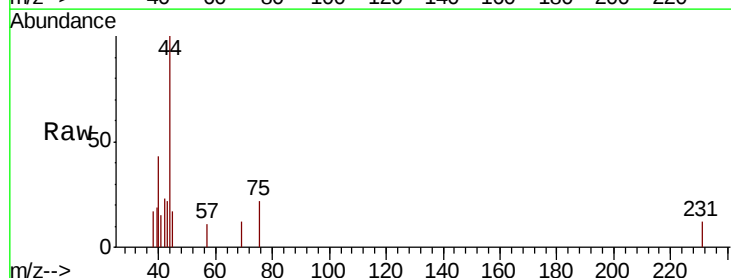
Tgt Ion: 75 Resp: 123

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

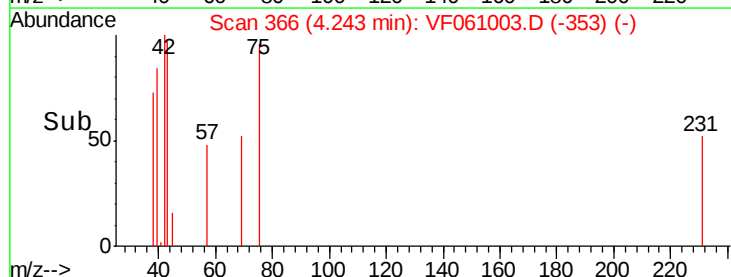
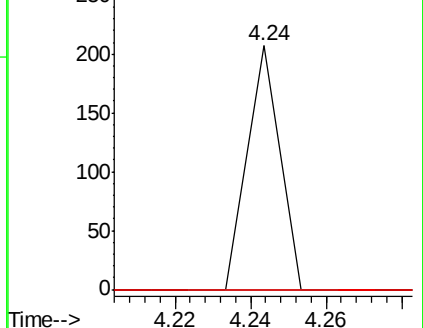
77 0.0 23.4 35.0#

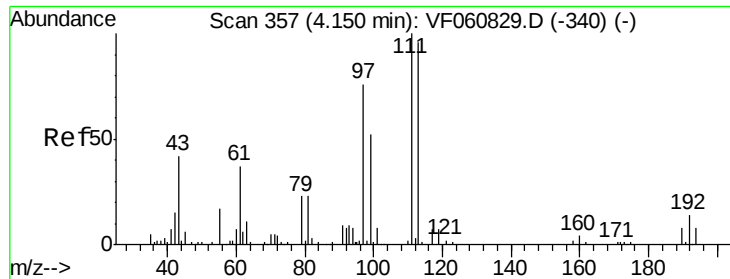


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

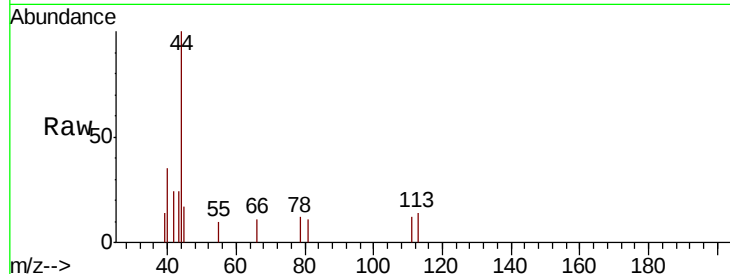




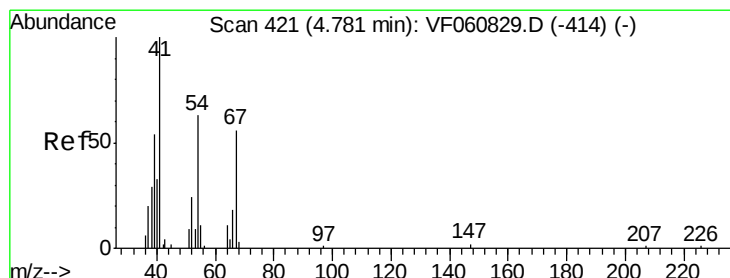
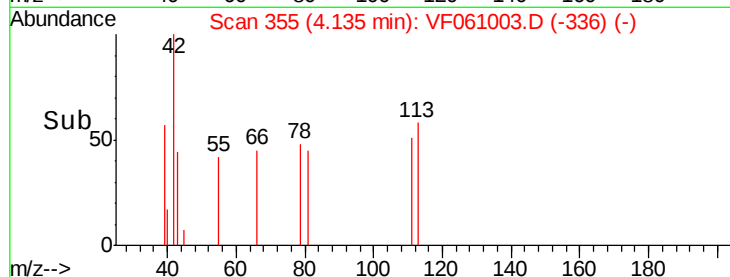
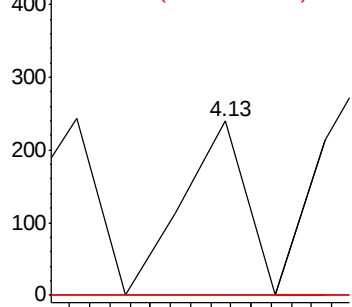
#37
Ethyl Acetate
Concen: 7.426 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Instrument :
MSVOA_F
ClientSampleId :
OK-03-121118RE

Tot Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
61 0.0 68.6 103.0#
70 0.0 9.0 13.4#

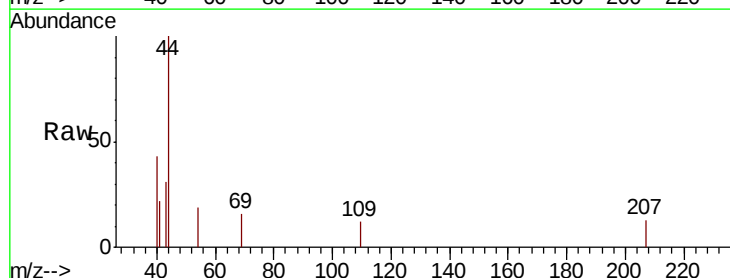


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

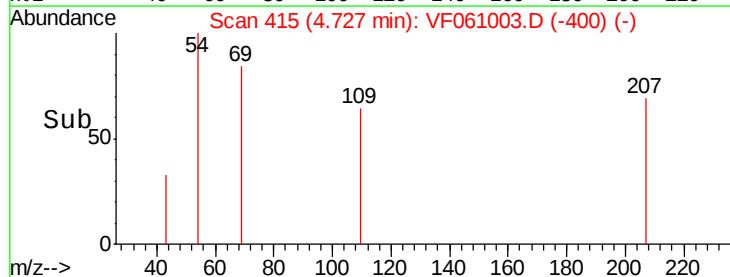
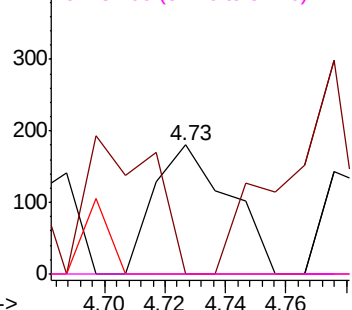


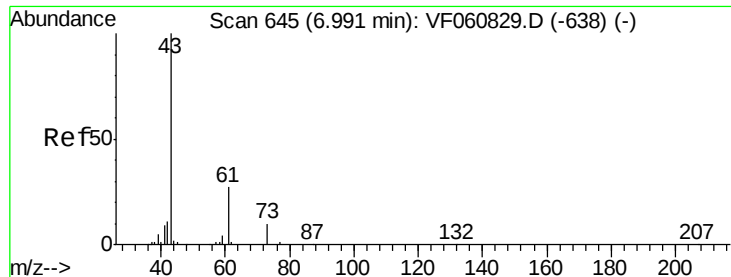
#41
Methacrylonitrile
Concen: 19.081 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.05 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion: 41 Resp: 313
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



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: 6.260 ug/l

RT: 6.92 min Scan# 637

Delta R.T. -0.07 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

OK-03-121118RE

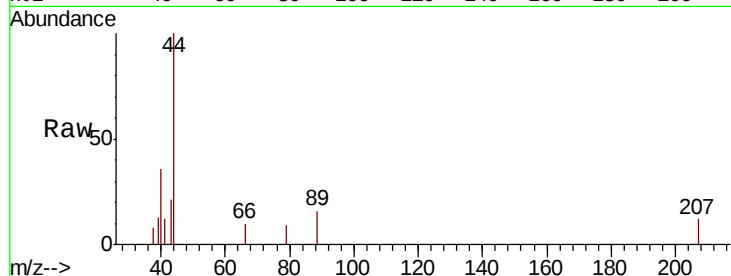
Tot Ion: 43 Resp: 300

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

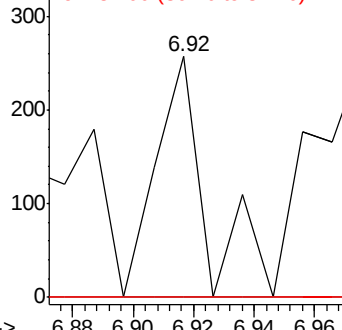
87 0.0 0.2 0.4#



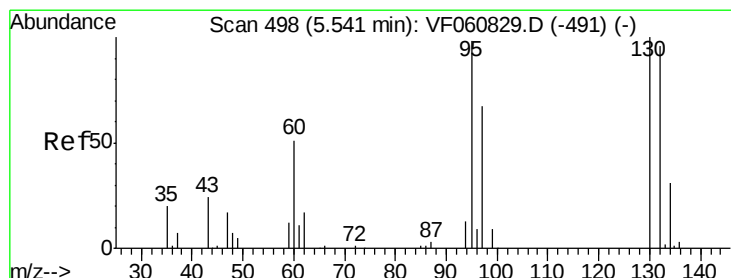
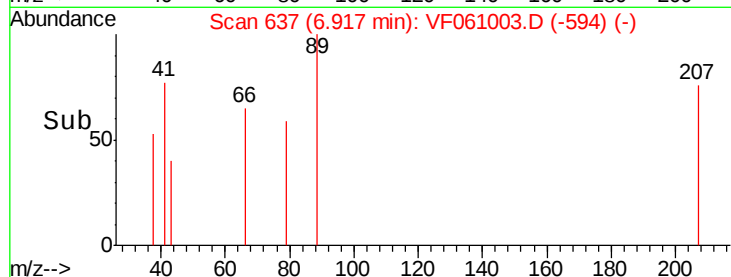
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time--> 6.88 6.90 6.92 6.94 6.96



#44

Trichloroethene

Concen: 1.219 ug/l

RT: 5.38 min Scan# 481

Delta R.T. -0.16 min

Lab File: VF061003.D

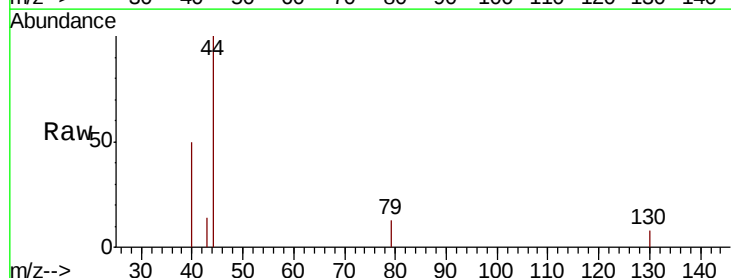
Acq: 12 Dec 2018 18:45

Tgt Ion: 130 Resp: 61

Ion Ratio Lower Upper

130 100

95 0.0 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

120

100

80

60

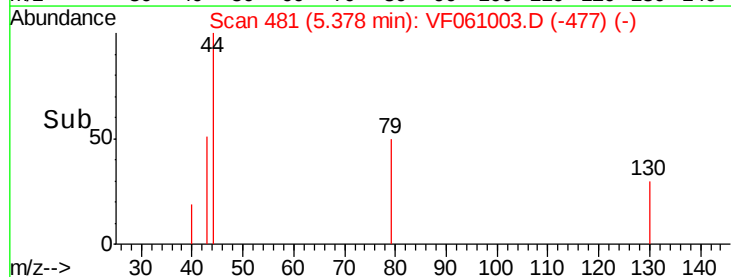
40

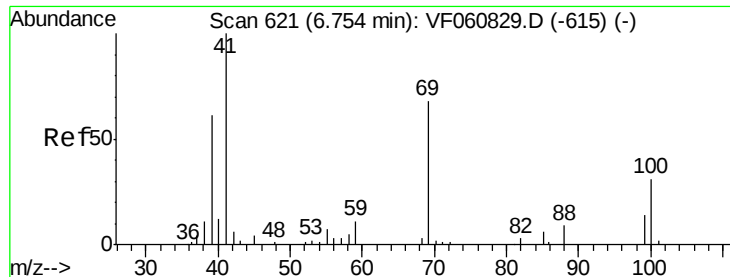
20

0

5.34 5.36 5.38 5.40

Time-->

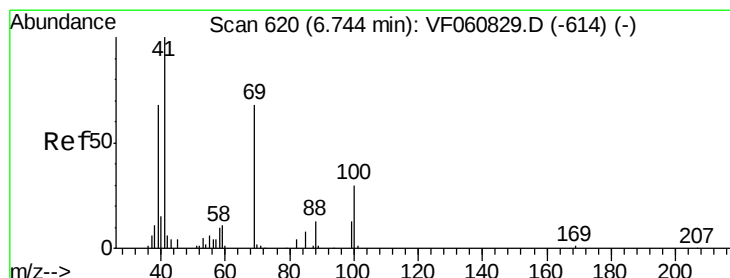
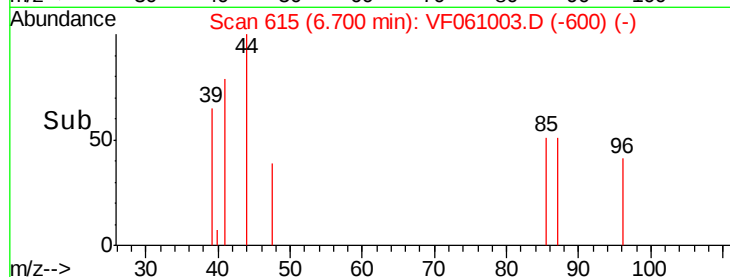
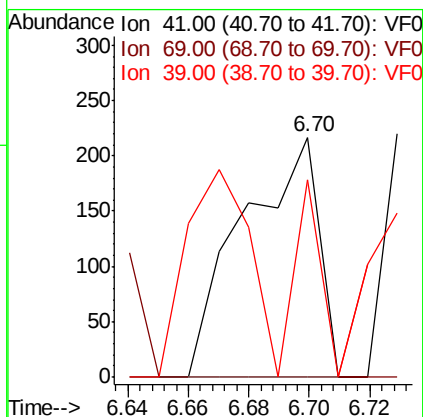
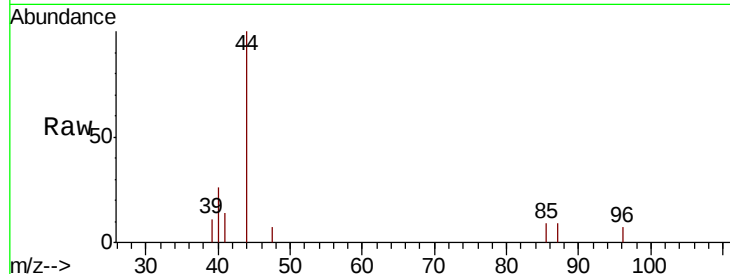




#48
Methyl methacrylate
Concen: 14.877 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

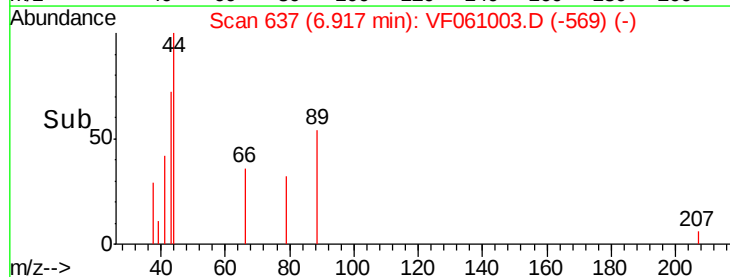
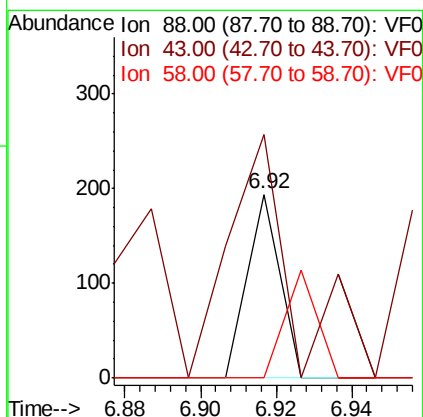
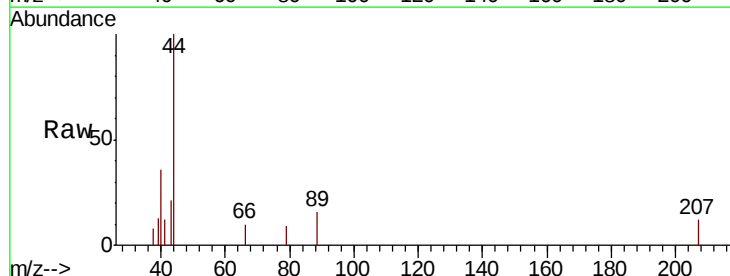
Instrument :
MSVOA_F
ClientSampled :
OK-03-121118RE

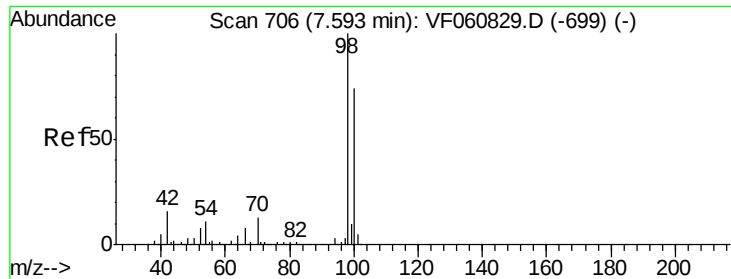
Tot Ion: 41 Resp: 379
Ion Ratio Lower Upper
41 100
69 0.0 53.9 80.9#
39 82.0 49.0 73.6#



#49
1,4-Dioxane
Concen: 616.804 ug/l
RT: 6.92 min Scan# 637
Delta R.T. 0.17 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 132.5 42.0 63.0#
58 0.0 61.8 92.8#

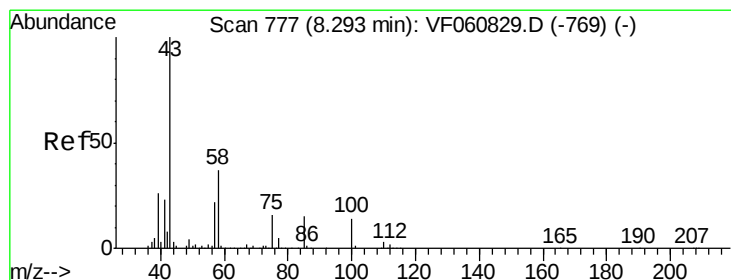
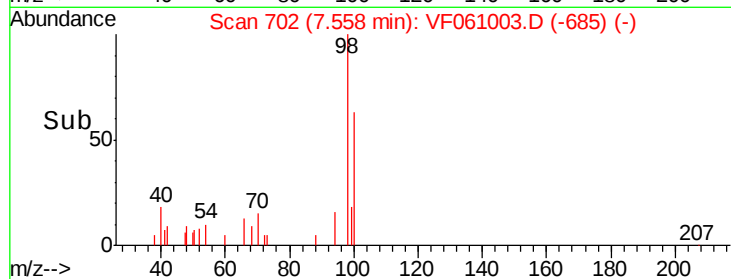
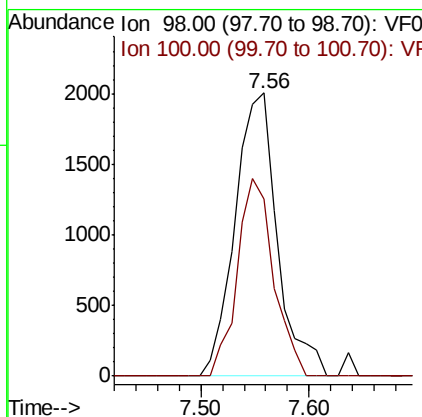
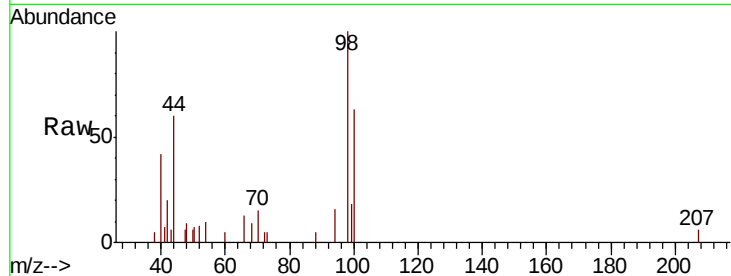




#50
Toluene-d8
Concen: 37.563 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.03 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

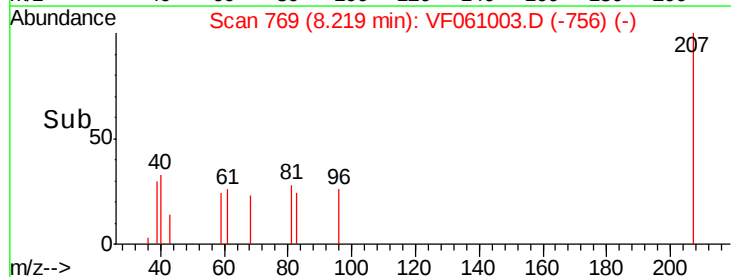
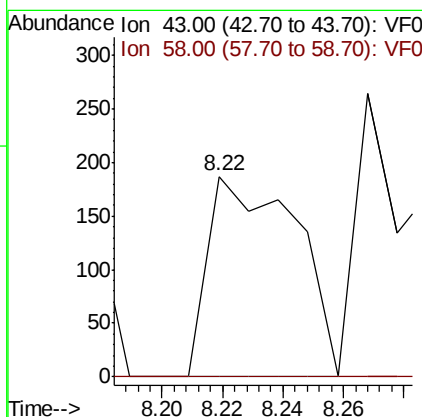
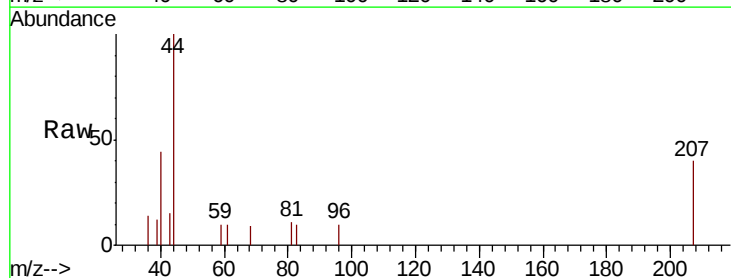
Instrument :
MSVOA_F
ClientSampleId :
OK-03-121118RE

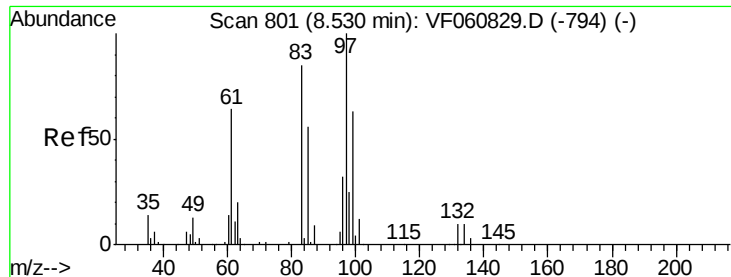
Tot Ion: 98 Resp: 5481
Ion Ratio Lower Upper
98 100
100 62.5 59.3 88.9



#51
4-Methyl-2-Pentanone
Concen: 14.642 ug/l
RT: 8.22 min Scan# 769
Delta R.T. -0.07 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#





#55

1,1,2-Trichloroethane

Concen: 2.299 ug/l

RT: 8.41 min Scan# 788

Delta R.T. -0.12 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

OK-03-121118RE

Tot Ion: 97 Resp: 72

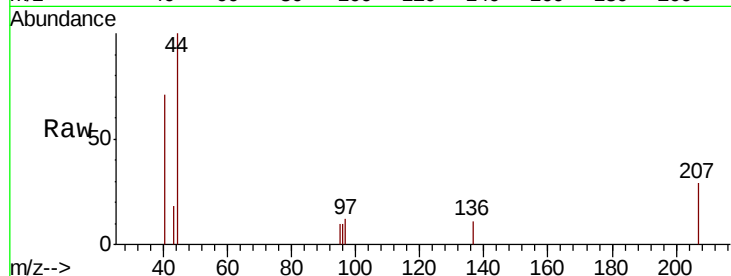
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.6#

85 0.0 45.0 67.6#

99 0.0 50.5 75.7#

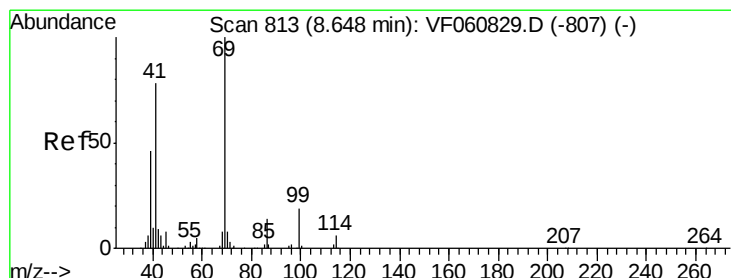
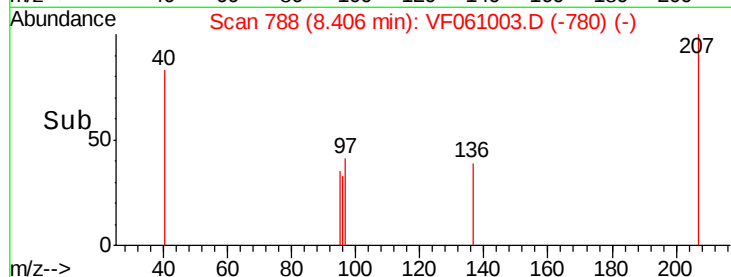
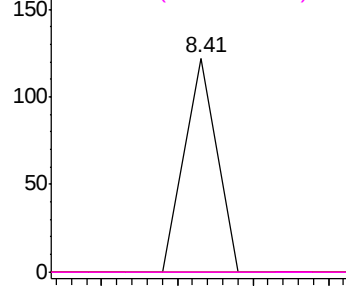


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 1.782 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.13 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

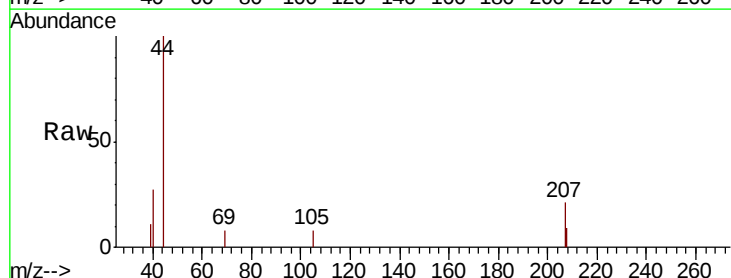
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 62.6 94.0#

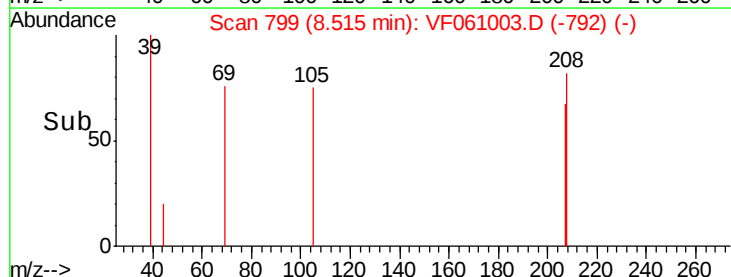
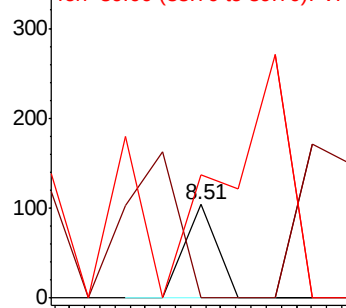
39 131.7 37.8 56.6#

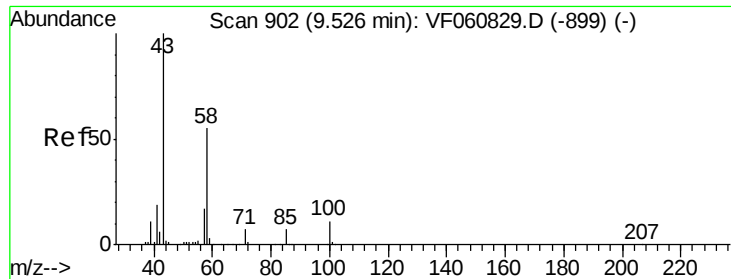


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#59

2-Hexanone

Concen: 21.419 ug/l

RT: 9.46 min Scan# 895

Delta R.T. -0.06 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

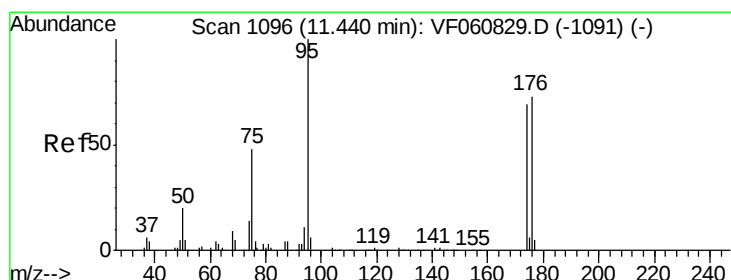
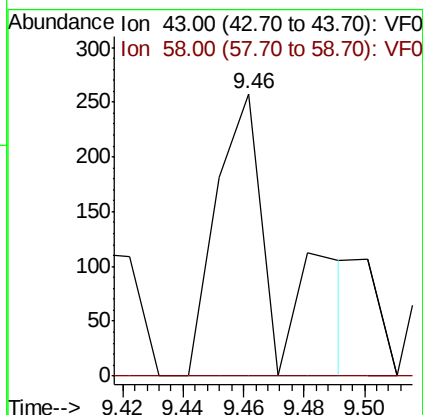
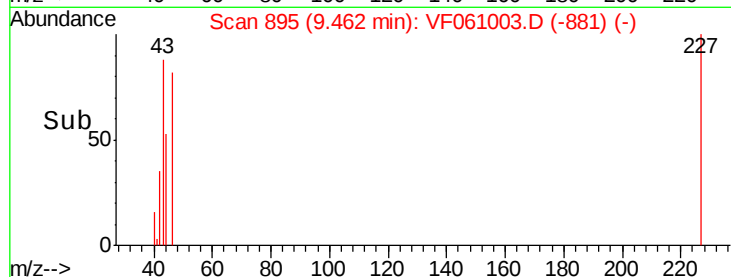
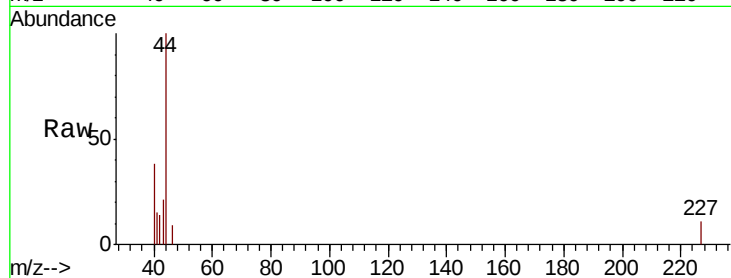
OK-03-121118RE

Tot Ion: 43 Resp: 390

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.6#



#62

4-Bromofluorobenzene

Concen: 19.422 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.02 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

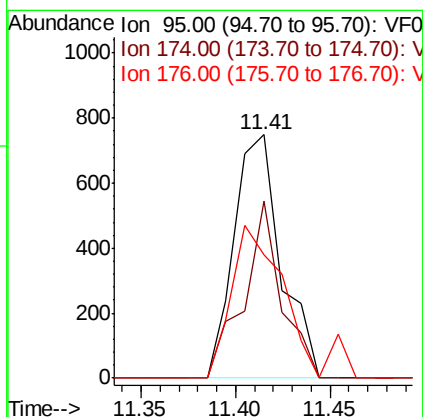
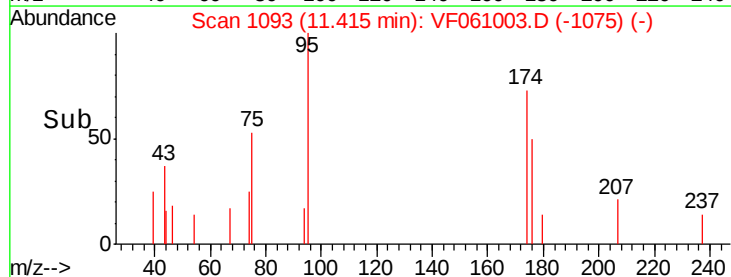
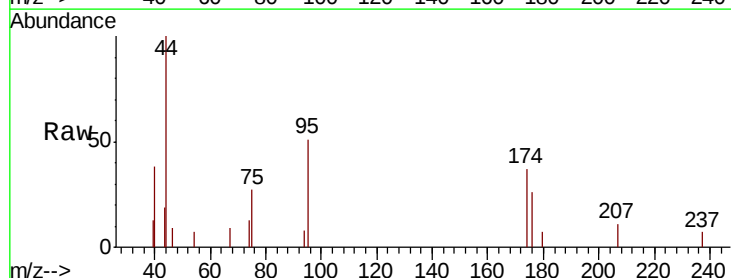
Tgt Ion: 95 Resp: 1288

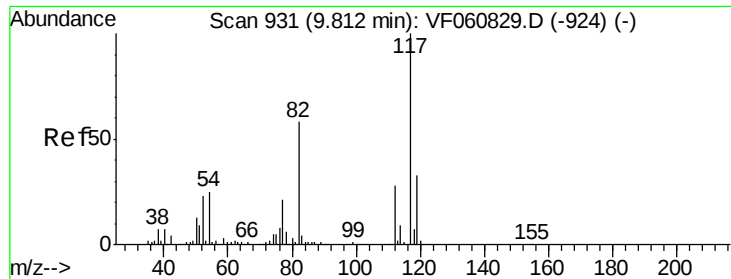
Ion Ratio Lower Upper

95 100

174 72.9 0.0 138.2

176 50.5 0.0 146.2

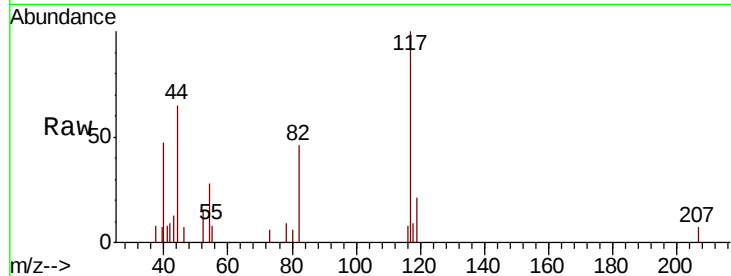




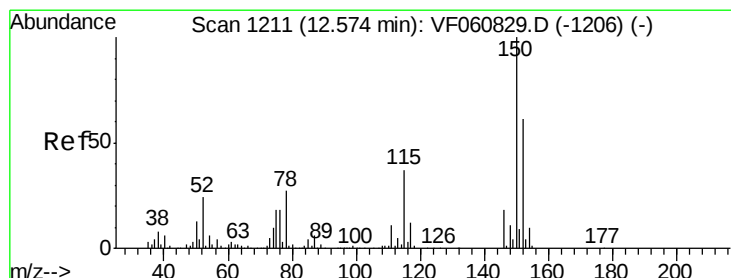
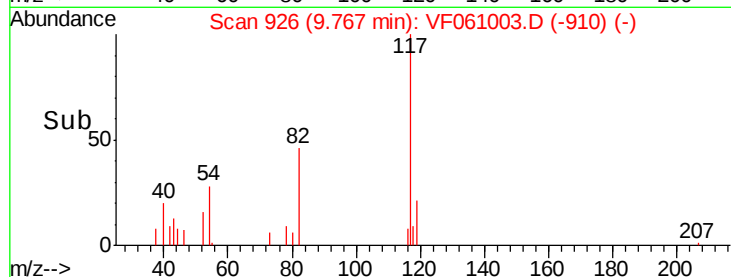
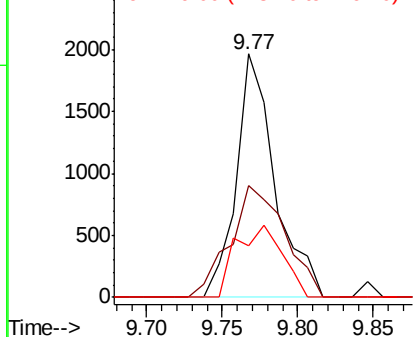
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.04 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Instrument :
MSVOA_F
ClientSampleId :
OK-03-121118RE

Tot Ion:117 Resp: 3484
Ion Ratio Lower Upper
117 100
82 46.0 46.6 69.8#
119 21.2 26.4 39.6#

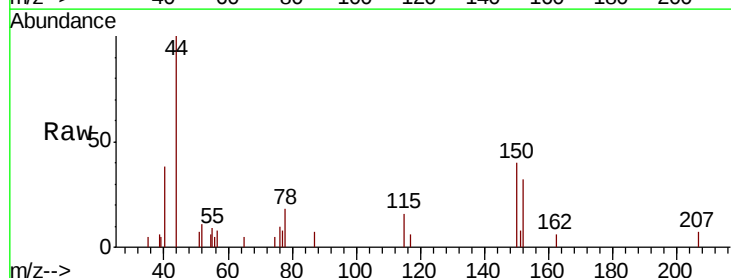


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

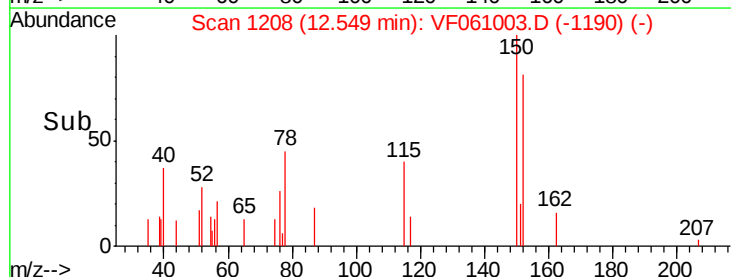
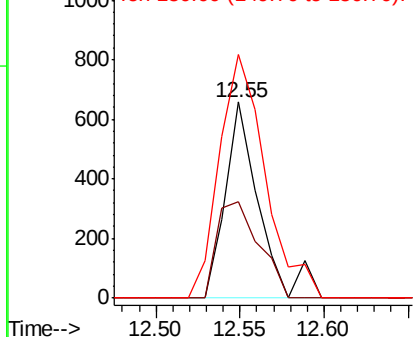


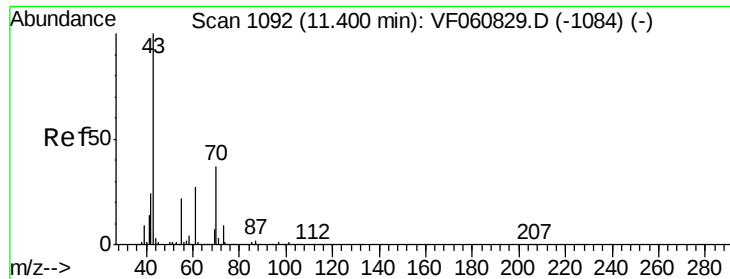
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion:152 Resp: 918
Ion Ratio Lower Upper
152 100
115 49.1 30.1 90.5
150 124.2 0.0 327.6



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





#74

N-amvl acetate

Concen: 37.608 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

OK-03-121118RE

Tot Ion: 43 Resp: 630

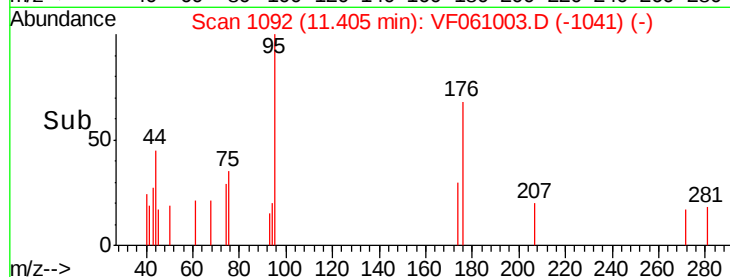
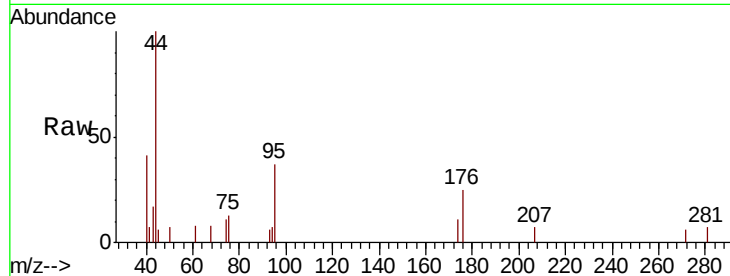
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.2 25.8#

61 47.6 21.8 32.6#

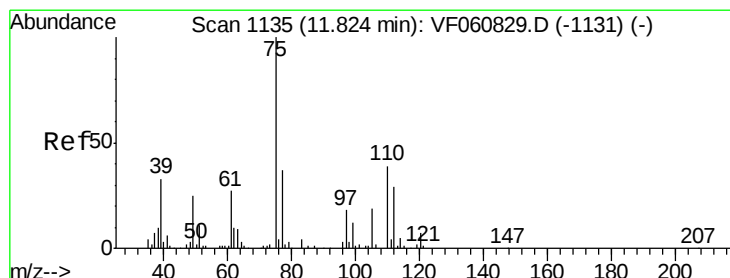
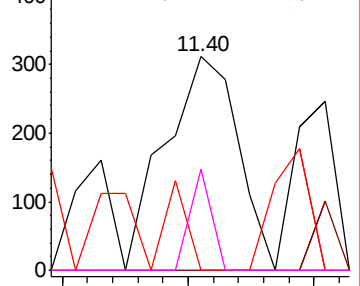


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#76

1,2,3-Trichloropropane

Concen: 7.375 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.16 min

Lab File: VF061003.D

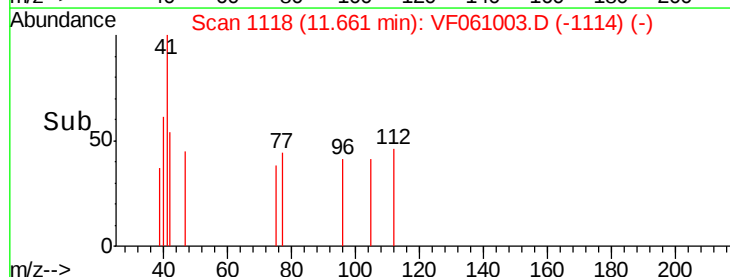
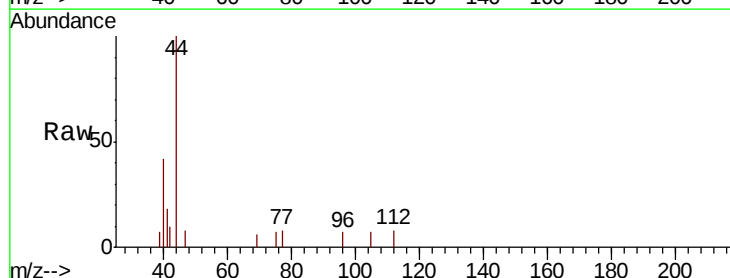
Acq: 12 Dec 2018 18:45

Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

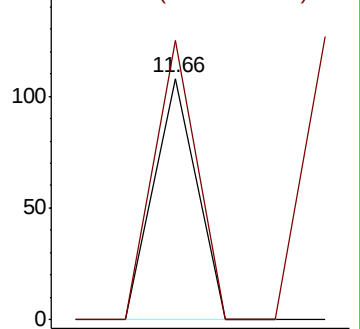
75 100

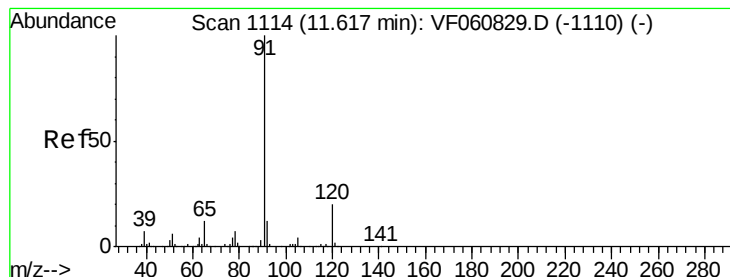
77 115.7 18.4 55.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 1.330 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

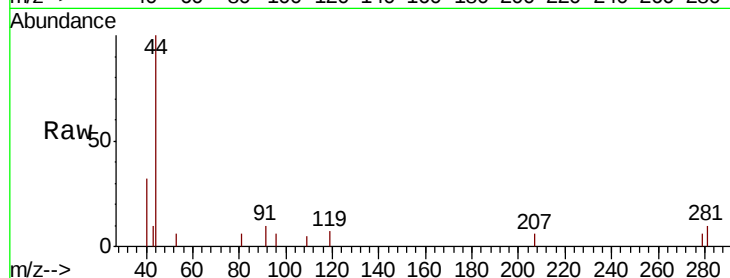
OK-03-121118RE

Tot Ion: 91 Resp: 113

Ion Ratio Lower Upper

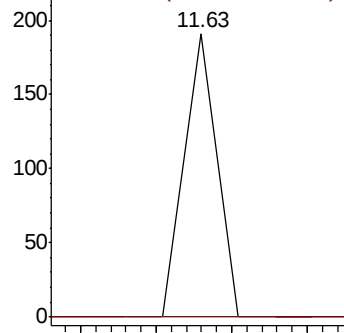
91 100

120 0.0 10.3 30.8#

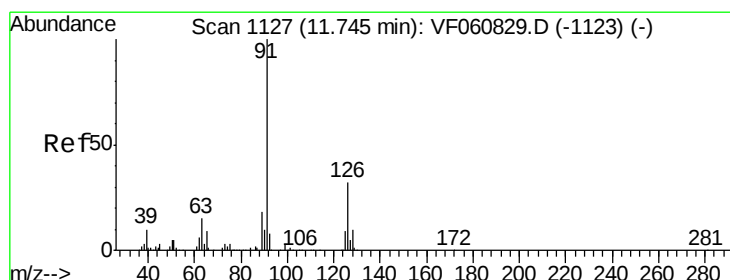
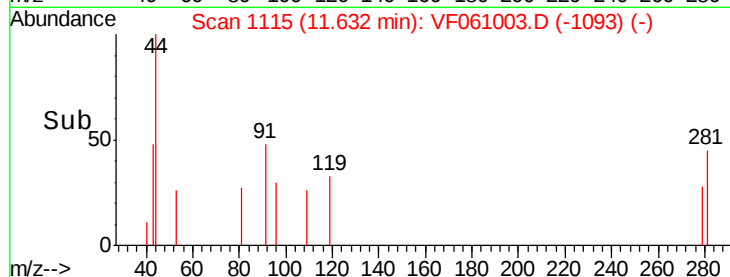


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 2.320 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. -0.11 min

Lab File: VF061003.D

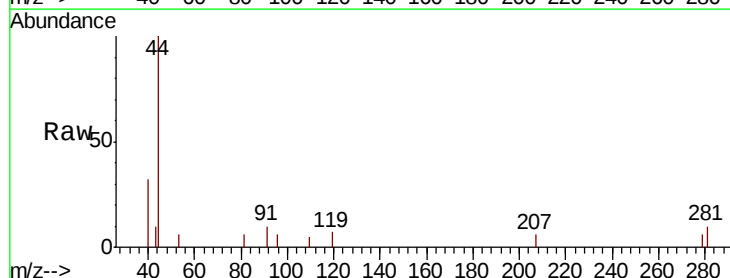
Acq: 12 Dec 2018 18:45

Tgt Ion: 91 Resp: 113

Ion Ratio Lower Upper

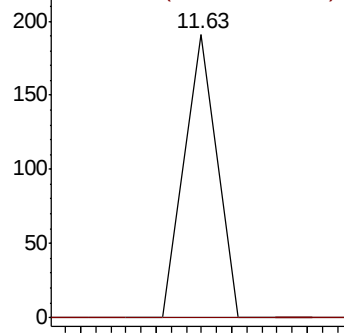
91 100

126 0.0 15.9 47.6#

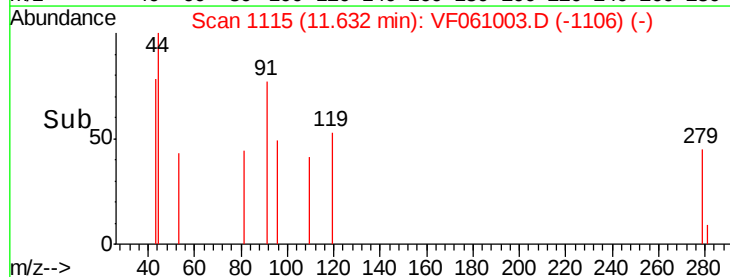


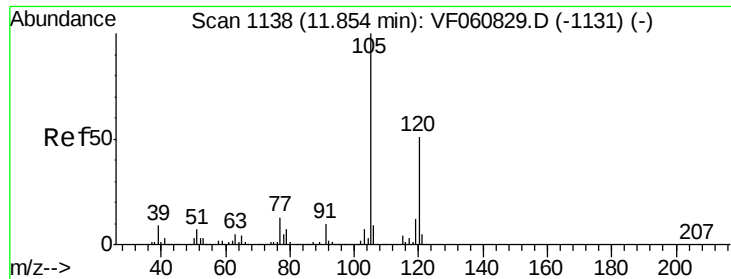
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.121 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.12 min

Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

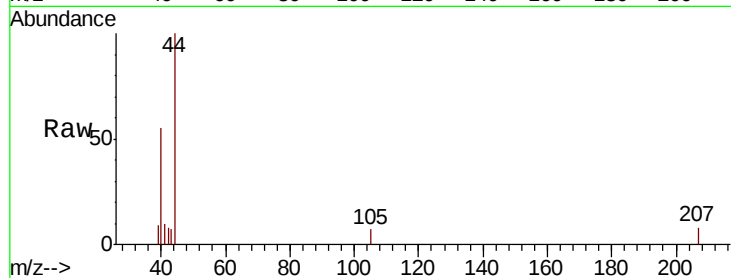
OK-03-121118RE

Tot Ion:105 Resp: 66

Ion Ratio Lower Upper

105 100

120 0.0 25.8 77.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.73

120

100

80

60

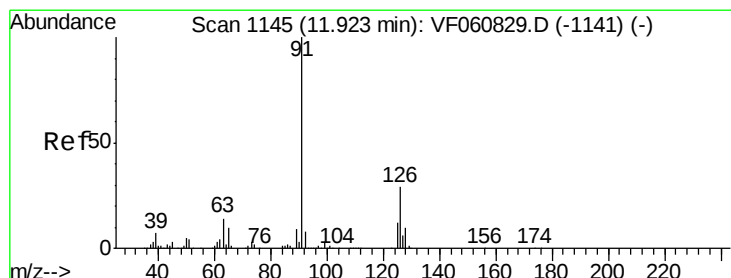
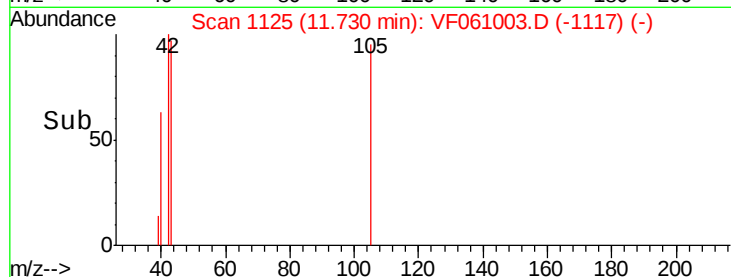
40

20

0

Time-->

11.70 11.72 11.74 11.76



#82

4-Chlorotoluene

Concen: 1.151 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF061003.D

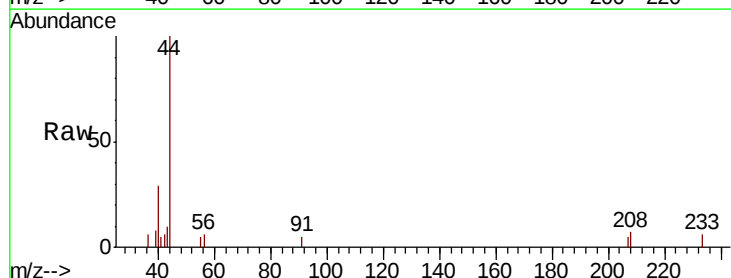
Acq: 12 Dec 2018 18:45

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

91 100

126 0.0 14.8 44.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.90

100

80

60

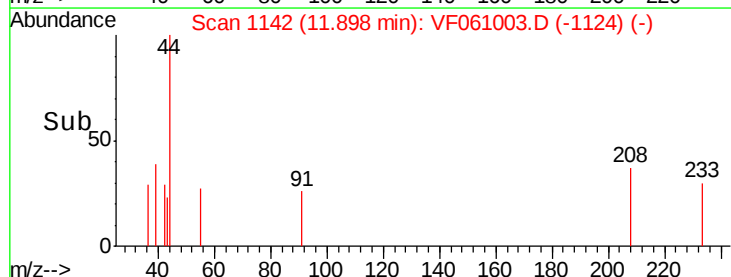
40

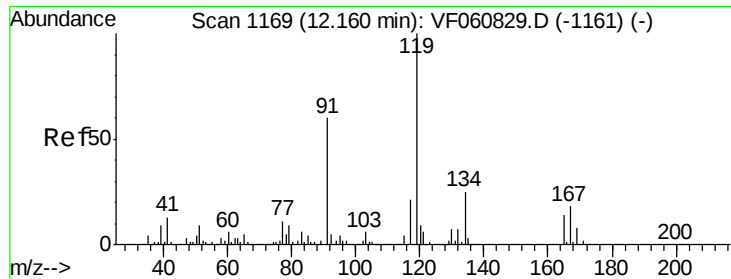
20

0

Time-->

11.86 11.88 11.90 11.92





#83

tert-Butylbenzene

Concen: 1.534 ug/l

RT: 12.05 min Scan# 1157

Delta R.T. -0.11 min

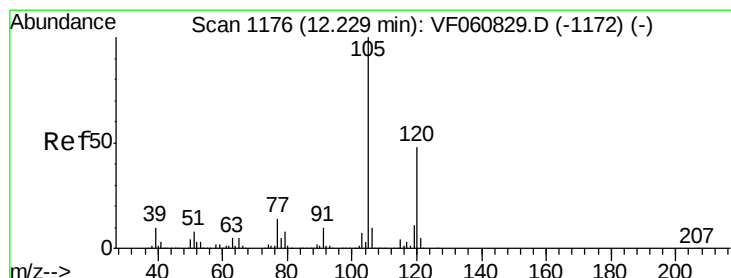
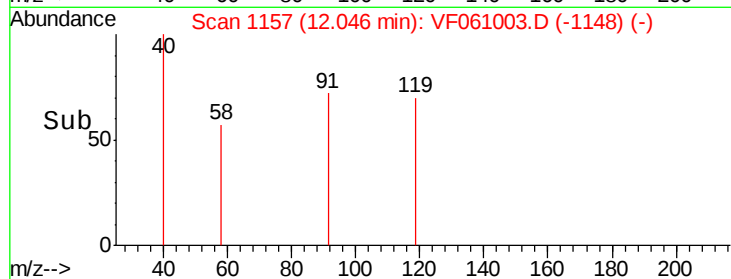
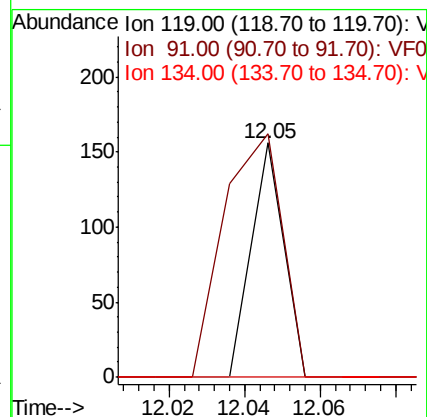
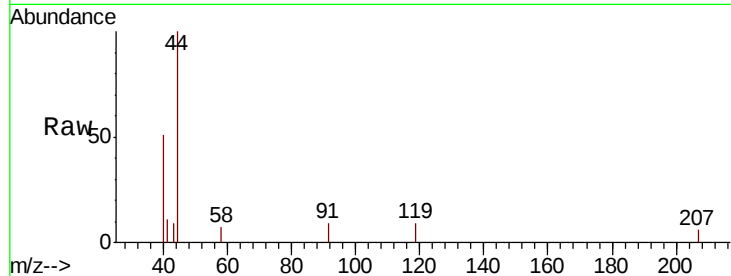
Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Instrument :
MSVOA_F
ClientSampleId :
OK-03-121118RE

Tot Ion:119 Resp: 92

Ion	Ratio	Lower	Upper
119	100		
91	103.8	30.1	90.3#
134	0.0	12.6	37.8#



#84

1,2,4-Trimethylbenzene

Concen: 1.157 ug/l

RT: 12.25 min Scan# 1178

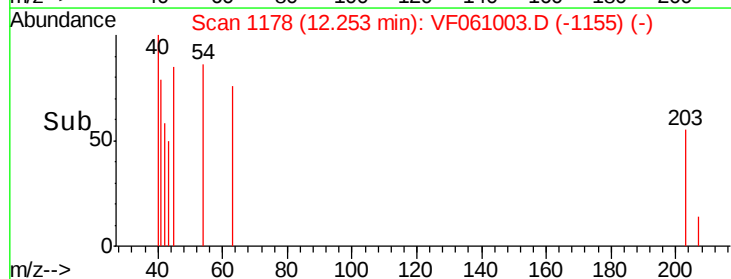
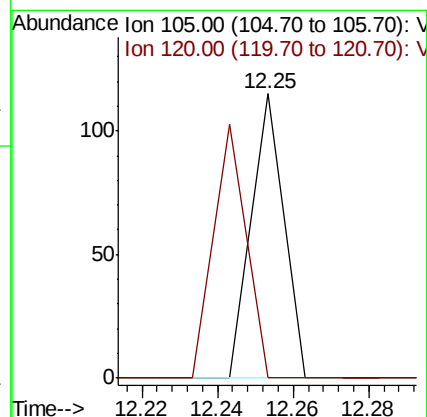
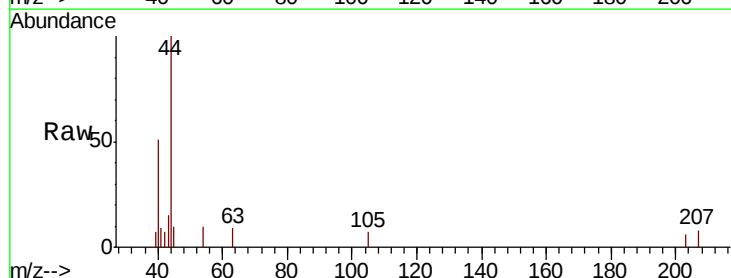
Delta R.T. 0.02 min

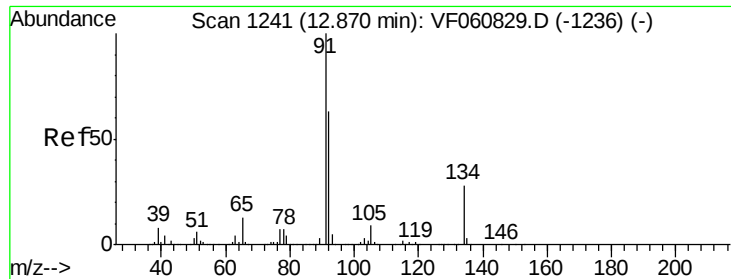
Lab File: VF061003.D

Acq: 12 Dec 2018 18:45

Tgt Ion:105 Resp: 68

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	71.5#

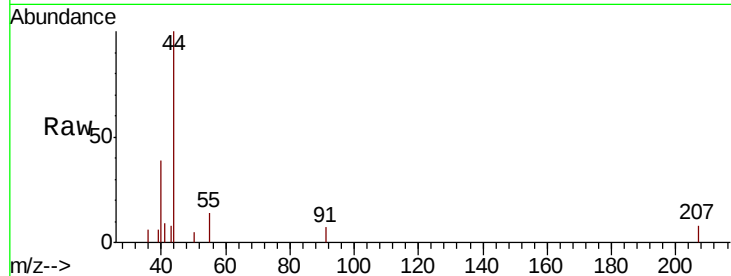




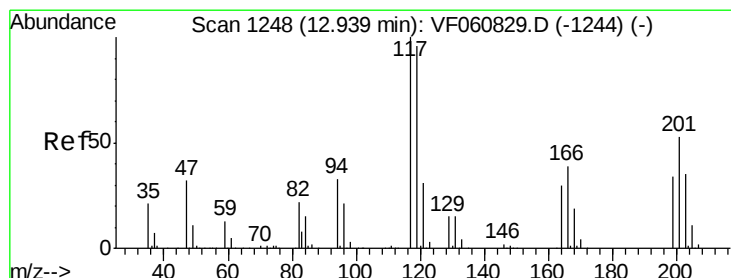
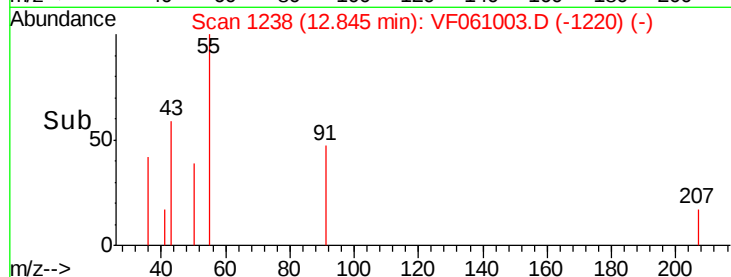
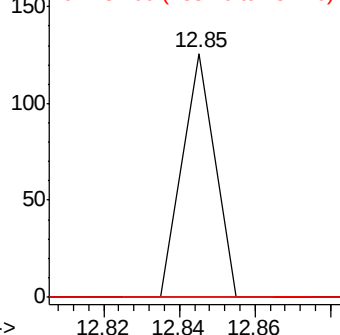
#89
n-Butylbenzene
Concen: 1.077 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Instrument :
MSVOA_F
ClientSampleId :
OK-03-121118RE

Tot Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
92 0.0 31.6 94.7#
134 0.0 13.8 41.4#

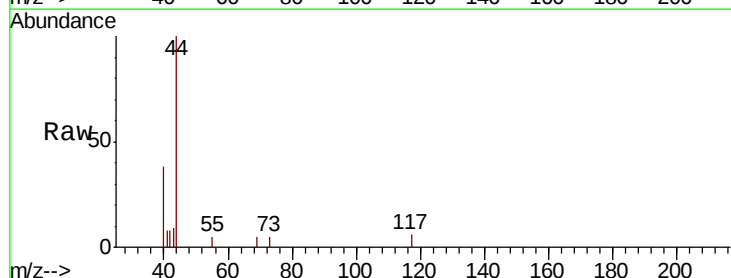


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 5.489 ug/l
RT: 13.09 min Scan# 1263
Delta R.T. 0.15 min
Lab File: VF061003.D
Acq: 12 Dec 2018 18:45

Tgt Ion: 117 Resp: 91
Ion Ratio Lower Upper
117 100
201 0.0 26.7 80.1#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

