

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060940.D
 Acq On : 7 Dec 2018 20:32
 Operator : VA/AP
 Sample : J6214-25RE
 Misc : 4.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3(12.5-14.5)RE

Quant Time: Dec 08 01:57:56 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	4.84	168	3571	50.00	ug/l	-0.07
34) 1,4-Difluorobenzene	5.58	114	5409	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	2827	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	452	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	790	18.78	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	37.56%	
35) Dibromofluoromethane	4.08	113	1373	32.00	ug/l	-0.07
Spiked Amount				50.000		
			Recovery	=	64.00%	
50) Toluene-d8	7.52	98	4555	36.04	ug/l	-0.07
Spiked Amount				50.000		
			Recovery	=	72.08%	
62) 4-Bromofluorobenzene	11.32	95	91	1.58	ug/l	-0.12
Spiked Amount				50.000		
			Recovery	=	3.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	69	1.292	ug/l #	41
3) Chloromethane	1.10	50	386	11.110	ug/l #	41
4) Vinyl Chloride	1.19	62	72	2.222	ug/l #	42
5) Bromomethane	1.33	94	391	17.110	ug/l #	40
6) Chloroethane	1.37	64	126	8.994	ug/l #	1
8) Diethyl Ether	1.54	74	66	6.601	ug/l	71
11) Tert butyl alcohol	2.57	59	71	41.172	ug/l #	1
12) 1,1-Dichloroethene	1.73	96	68	2.405	ug/l #	1
13) Acrolein	2.06	56	240	146.891	ug/l	87
14) Allyl chloride	2.06	41	913	25.906	ug/l #	35
15) Acrylonitrile	2.90	53	426	110.189	ug/l #	11
16) Acetone	2.21	43	703	90.622	ug/l #	65
17) Carbon Disulfide	1.75	76	233	3.073	ug/l #	68
18) Methyl Acetate	2.33	43	554	42.314	ug/l #	61
19) Methyl tert-butyl Ether	2.39	73	98	1.539	ug/l #	58
20) Methylene Chloride	2.24	84	120	4.217	ug/l #	2
21) trans-1,2-Dichloroethene	2.34	96	180	6.603	ug/l #	1
22) Diisopropyl ether	2.76	45	391	4.076	ug/l #	1
23) Vinyl Acetate	3.14	43	506	11.539	ug/l #	80
24) 1,1-Dichloroethane	2.84	63	74	1.297	ug/l #	86
25) 2-Butanone	4.27	43	484	36.072	ug/l #	57
26) 2,2-Dichloropropane	3.61	77	78	2.108	ug/l #	60
27) cis-1,2-Dichloroethene	3.43	96	67	1.510	ug/l	1
29) Tetrahydrofuran	4.03	42	75	13.187	ug/l #	37
31) Cyclohexane	3.72	56	152	2.566	ug/l #	15
37) Ethyl Acetate	4.15	43	1156	47.415	ug/l #	14
40) Benzene	4.62	78	1853	13.981	ug/l #	80
41) Methacrylonitrile	4.72	41	279	19.756	ug/l #	23
43) Isopropyl Acetate	6.93	43	141	2.081	ug/l #	49
47) Bromodichloromethane	6.32	83	64	1.032	ug/l #	25
48) Methyl methacrylate	6.70	41	249	11.283	ug/l #	53
49) 1,4-Dioxane	6.95	88	75	464.362	ug/l #	1
51) 4-Methyl-2-Pentanone	8.20	43	758	33.715	ug/l #	38
52) Toluene	7.59	92	212	2.277	ug/l	76

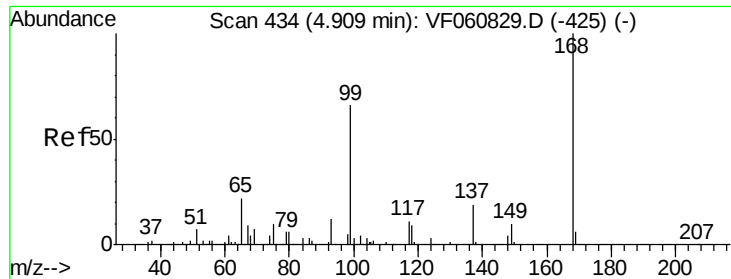
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
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 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) t-1,3-Dichloropropene	8.06	75	63	1.249	ug/l #	40
56) Ethyl methacrylate	8.65	69	87	2.887	ug/l #	69
59) 2-Hexanone	9.45	43	436	27.642	ug/l #	27
70) Styrene	10.78	104	386	6.857	ug/l #	61
74) N-amyl acetate	11.37	43	262	31.765	ug/l #	19
75) 1,1,2,2-Tetrachloroethane	11.60	83	62	10.547	ug/l #	25
76) 1,2,3-Trichloropropane	11.70	75	99	23.169	ug/l #	38
78) n-propylbenzene	11.45	91	64	1.530	ug/l #	56
89) n-Butylbenzene	12.70	91	66	1.925	ug/l #	27

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

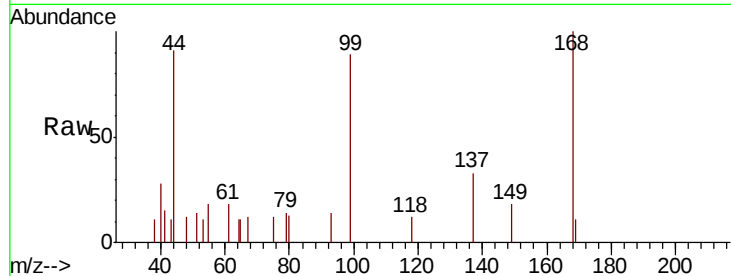
SB-3(12.5-14.5)RE

Tot Ion:168 Resp: 3571

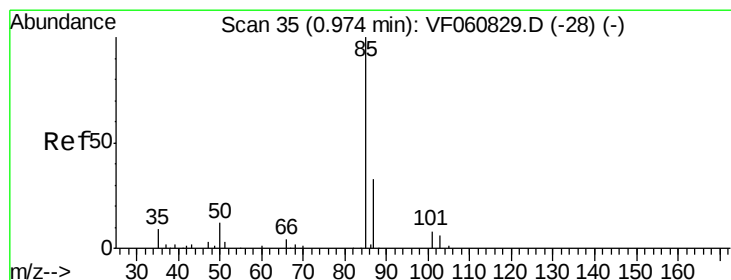
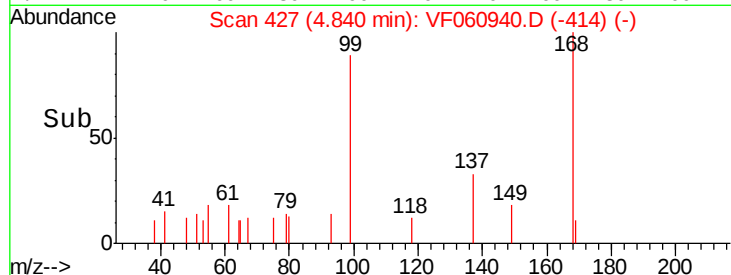
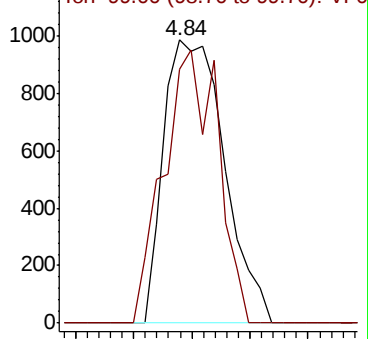
Ion Ratio Lower Upper

168 100

99 89.5 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.292 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060940.D

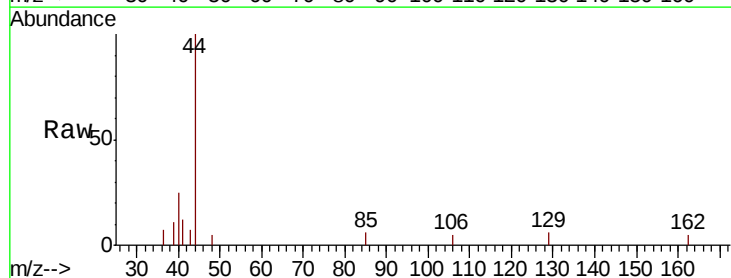
Acq: 7 Dec 2018 20:32

Tgt Ion: 85 Resp: 69

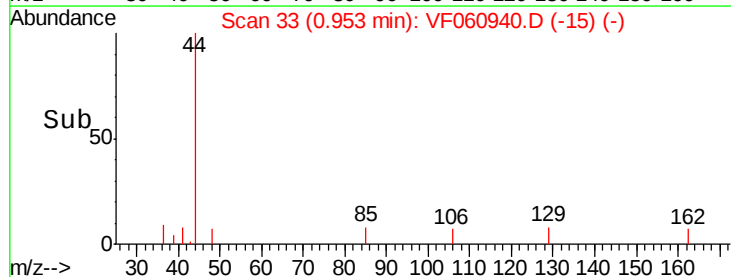
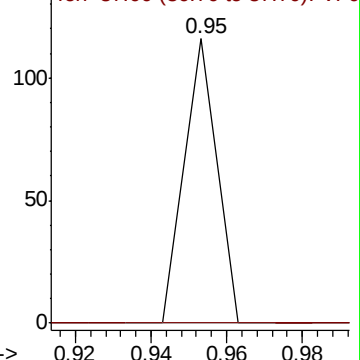
Ion Ratio Lower Upper

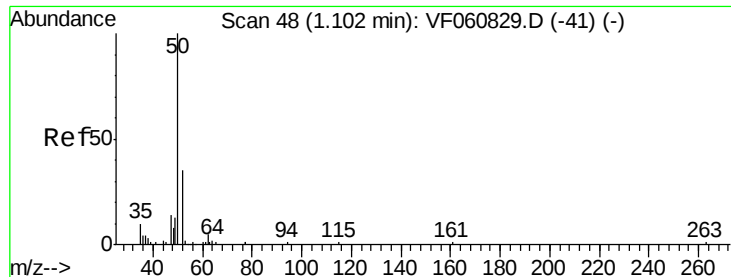
85 100

87 0.0 16.7 50.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 11.110 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

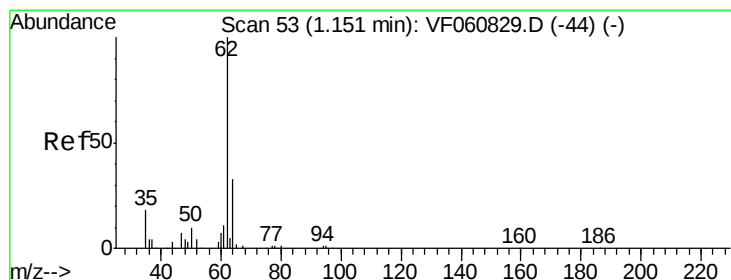
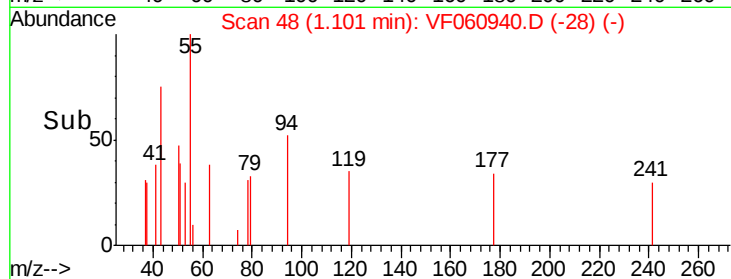
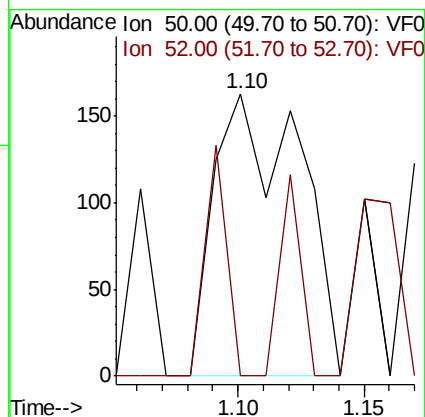
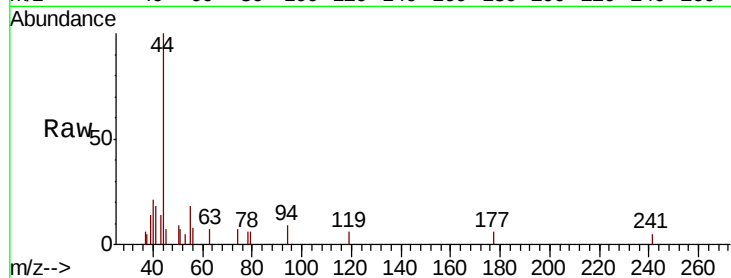
SB-3(12.5-14.5)RE

Tot Ion: 50 Resp: 386

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



#4

Vinyl Chloride

Concen: 2.222 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.04 min

Lab File: VF060940.D

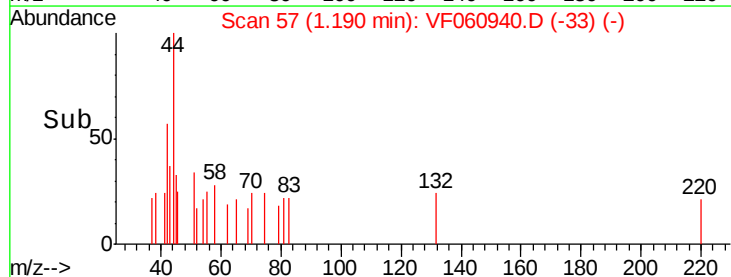
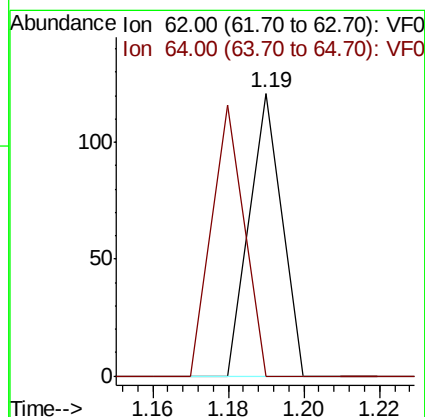
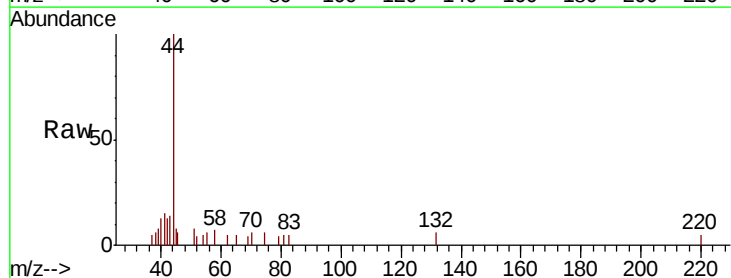
Acq: 7 Dec 2018 20:32

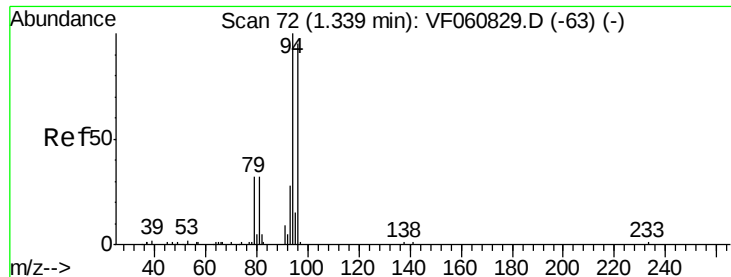
Tgt Ion: 62 Resp: 72

Ion Ratio Lower Upper

62 100

64 0.0 26.4 39.6#





#5

Bromomethane

Concen: 17.110 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

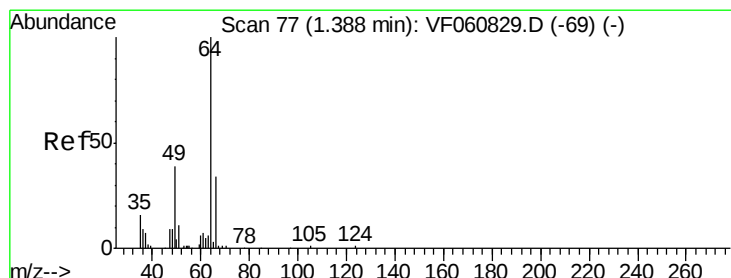
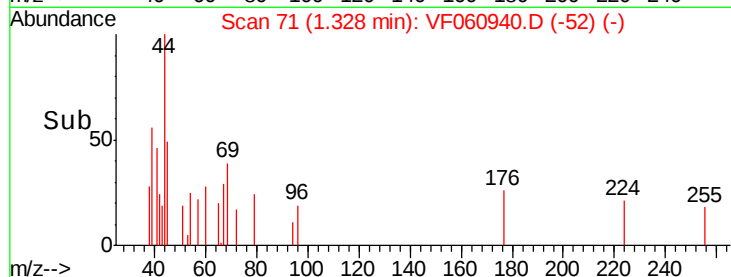
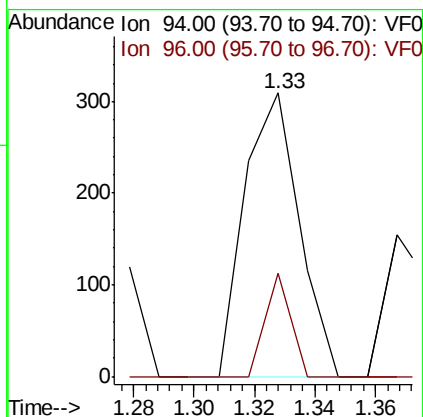
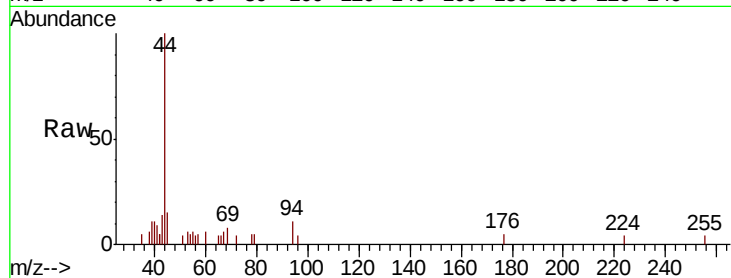
SB-3(12.5-14.5)RE

Tot Ion: 94 Resp: 391

Ion Ratio Lower Upper

94 100

96 36.2 75.9 113.9#



#6

Chloroethane

Concen: 8.994 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060940.D

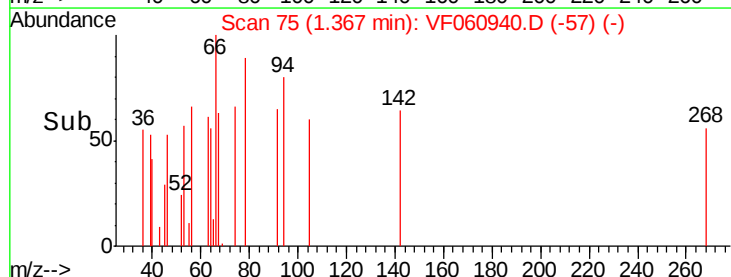
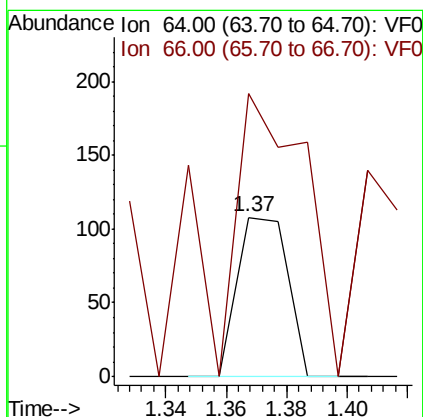
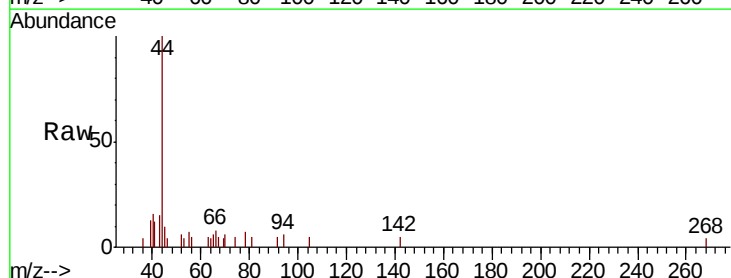
Acq: 7 Dec 2018 20:32

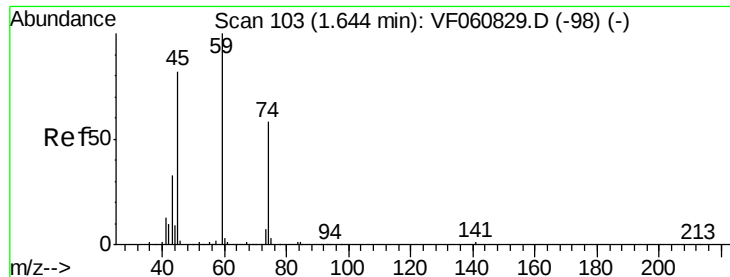
Tgt Ion: 64 Resp: 126

Ion Ratio Lower Upper

64 100

66 177.8 28.1 42.1#





#8

Diethyl Ether

Concen: 6.601 ug/l

RT: 1.54 min Scan# 93

Delta R.T. -0.10 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

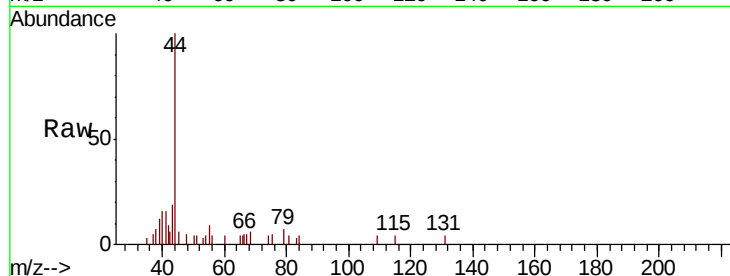
SB-3(12.5-14.5)RE

Tot Ion: 74 Resp: 66

Ion Ratio Lower Upper

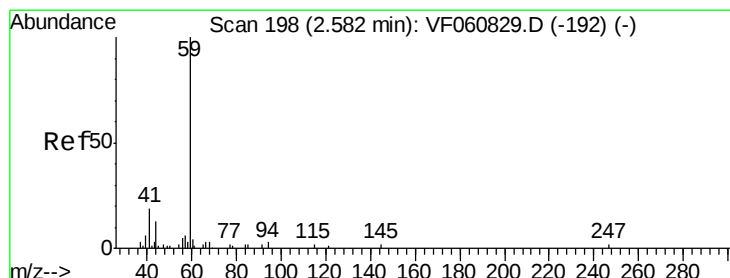
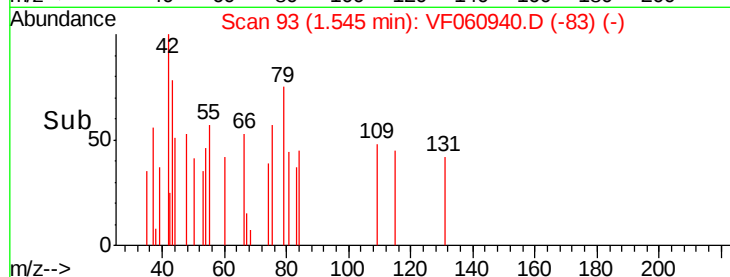
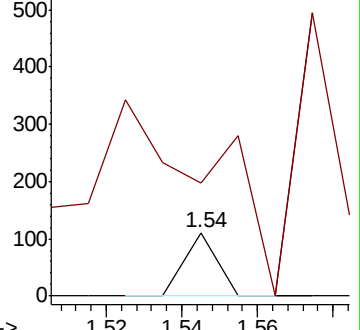
74 100

45 177.5 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 41.172 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060940.D

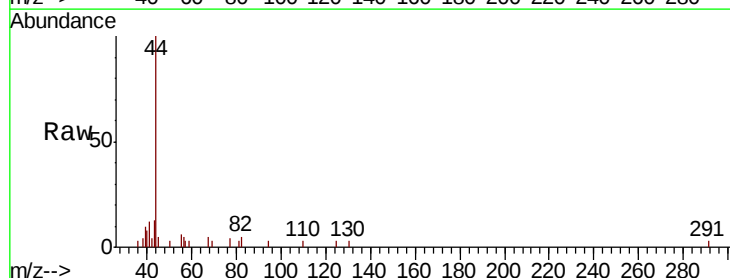
Acq: 7 Dec 2018 20:32

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

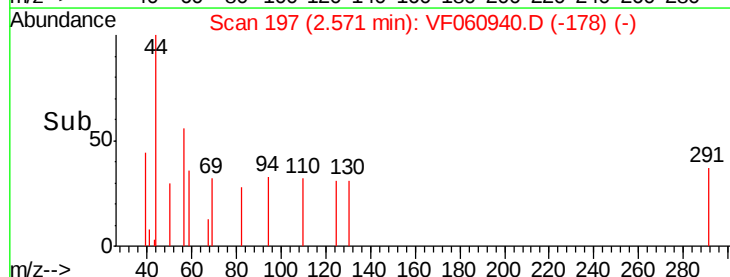
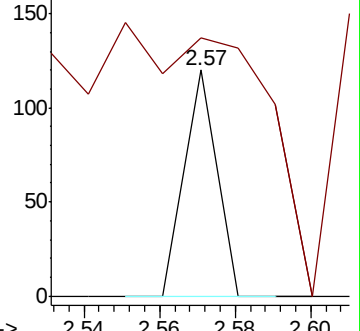
59 100

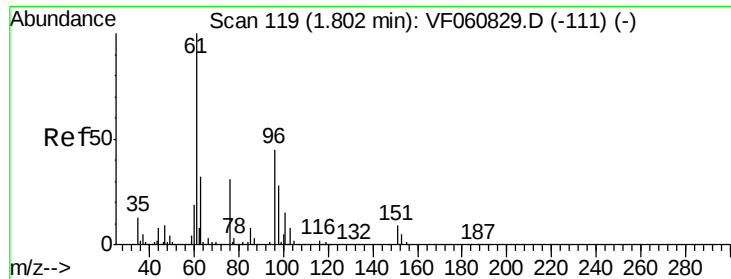
57 114.2 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 2.405 ug/l

RT: 1.73 min Scan# 112

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

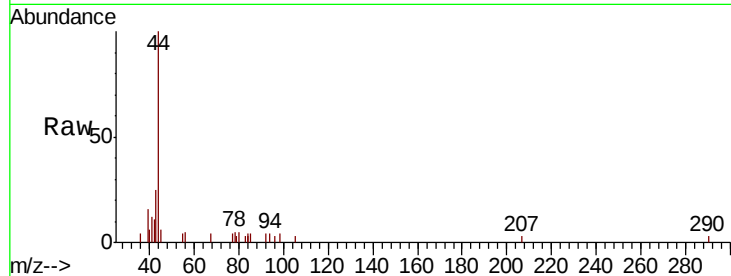
Tot Ion: 96 Resp: 68

Ion Ratio Lower Upper

96 100

61 0.0 177.3 265.9#

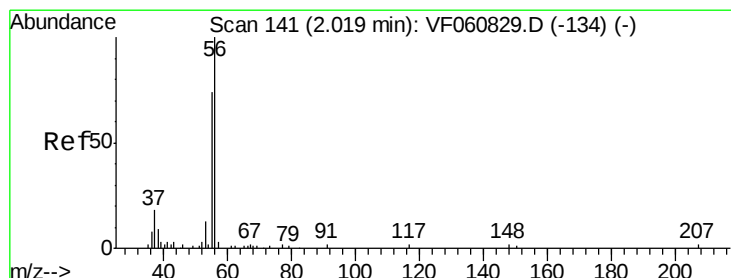
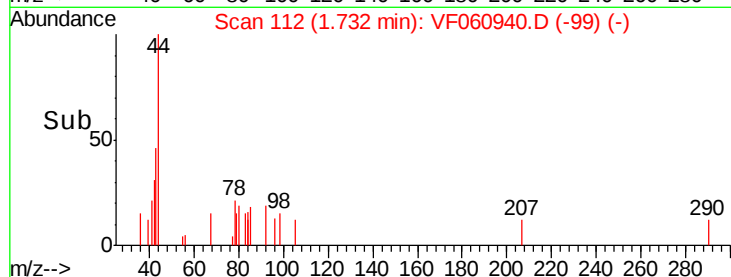
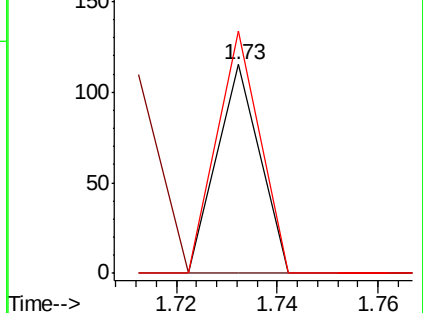
98 116.5 49.6 74.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 146.891 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.04 min

Lab File: VF060940.D

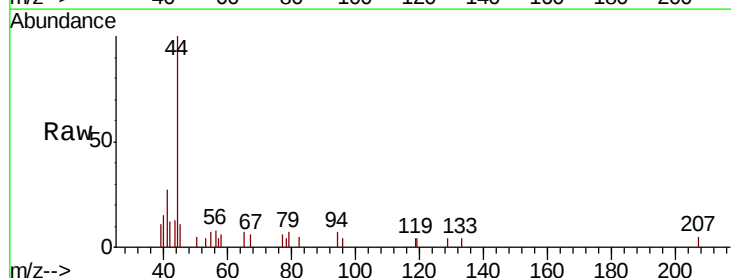
Acq: 7 Dec 2018 20:32

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

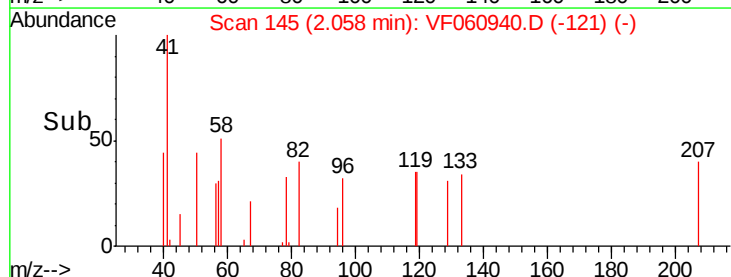
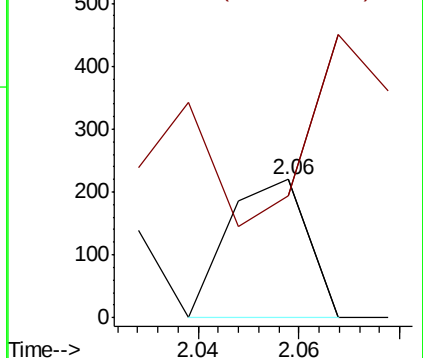
56 100

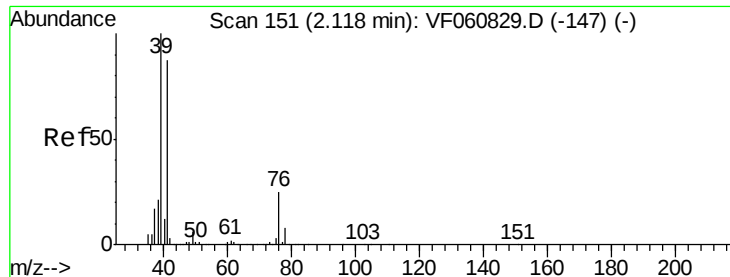
55 87.7 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 25.906 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.06 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

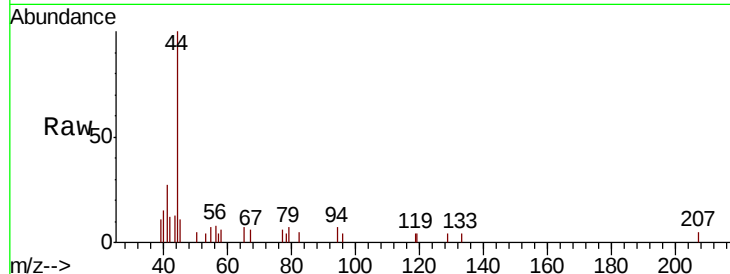
Tot Ion: 41 Resp: 913

Ion Ratio Lower Upper

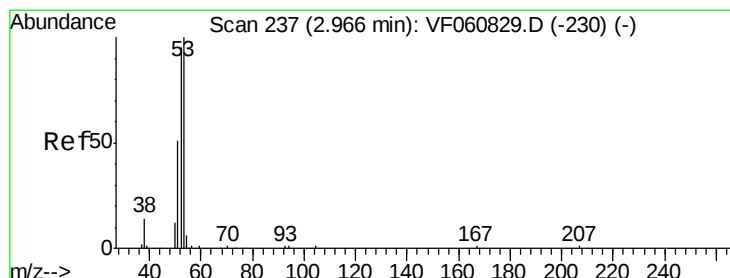
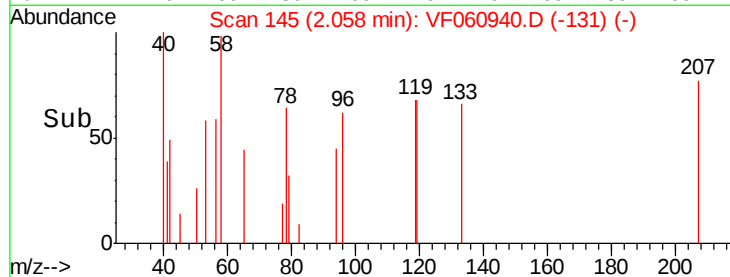
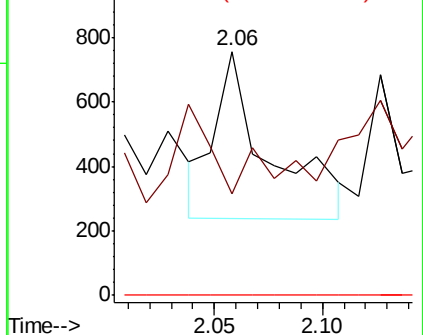
41 100

39 41.7 91.7 137.5#

76 0.0 23.5 35.3#



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



#15

Acrylonitrile

Concen: 110.189 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

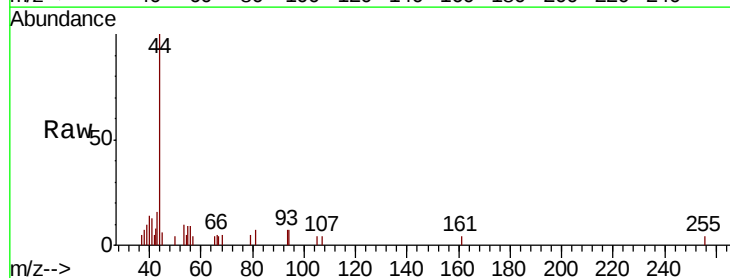
Tgt Ion: 53 Resp: 426

Ion Ratio Lower Upper

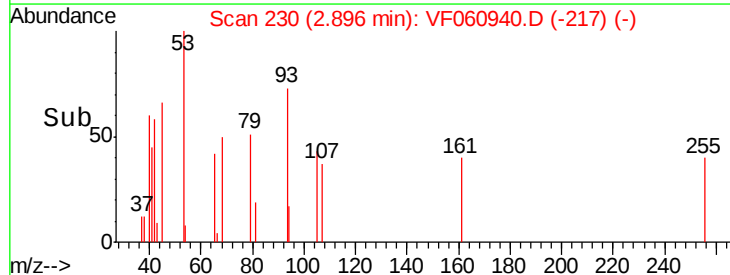
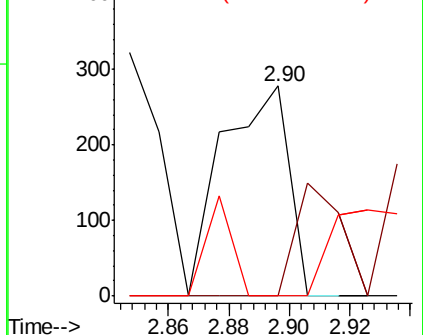
53 100

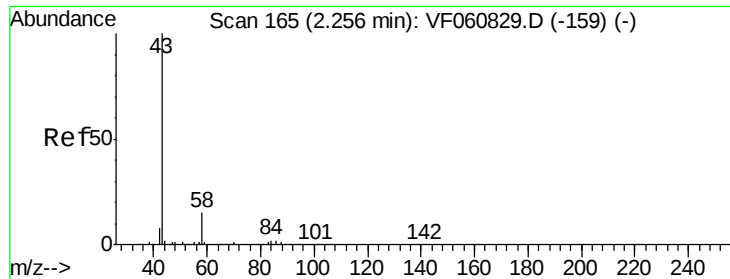
52 0.0 76.5 114.7#

51 0.0 40.7 61.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 90.622 ug/l

RT: 2.21 min Scan# 160

Delta R.T. -0.05 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

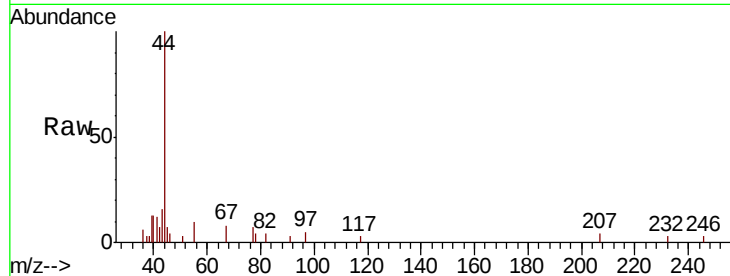
SB-3(12.5-14.5)RE

Tot Ion: 43 Resp: 703

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.21

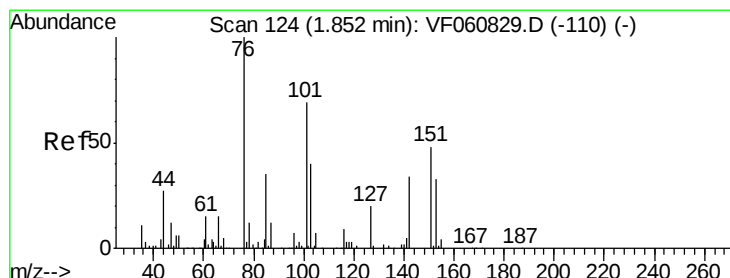
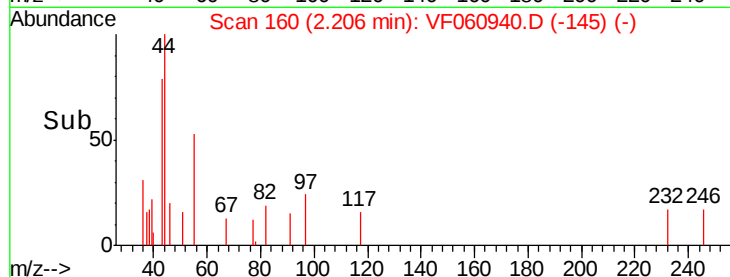
600

400

200

0

Time-->



#17

Carbon Disulfide

Concen: 3.073 ug/l

RT: 1.75 min Scan# 114

Delta R.T. -0.10 min

Lab File: VF060940.D

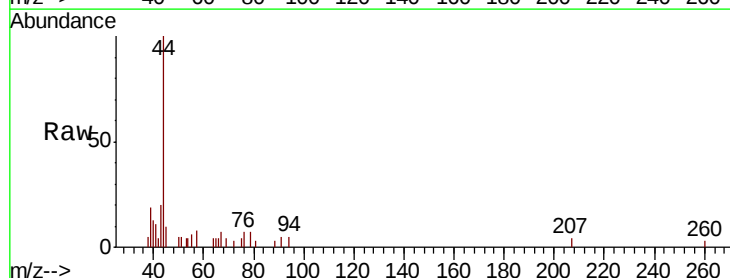
Acq: 7 Dec 2018 20:32

Tgt Ion: 76 Resp: 233

Ion Ratio Lower Upper

76 100

78 0.0 10.2 15.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

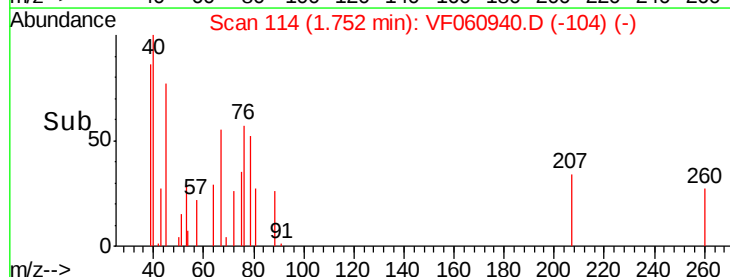
300

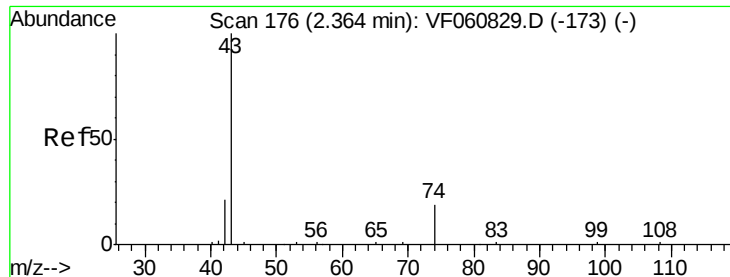
200

100

0

Time-->

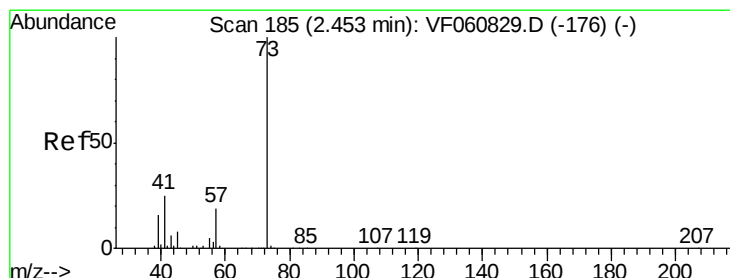
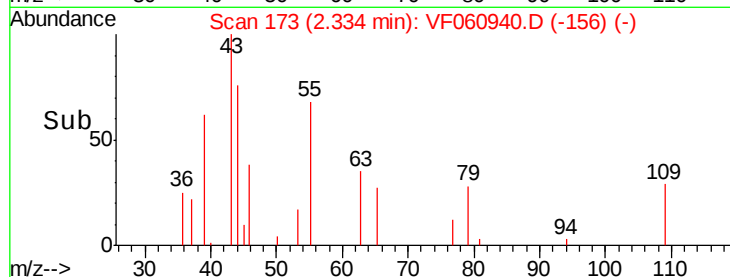
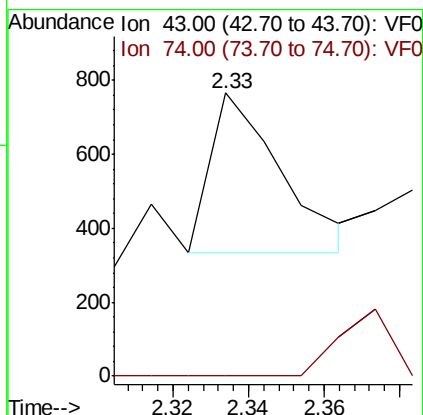
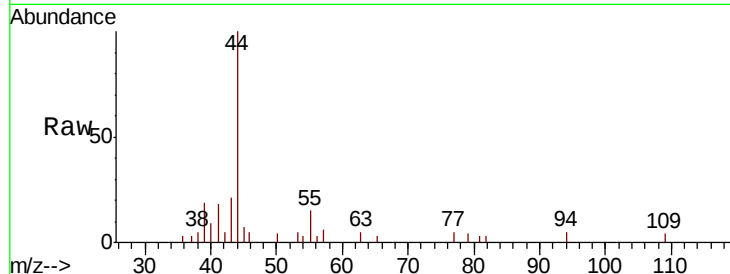




#18
Methyl Acetate
Concen: 42.314 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF060940.D
Acq: 7 Dec 2018 20:32

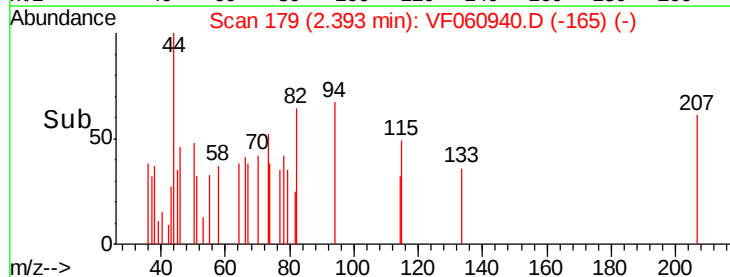
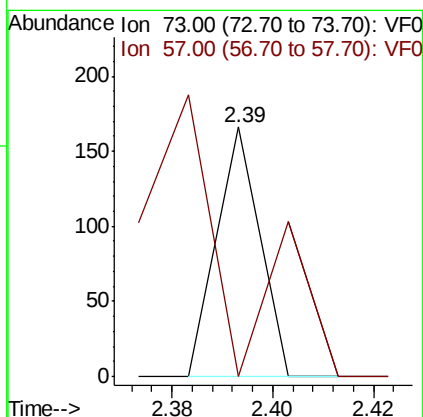
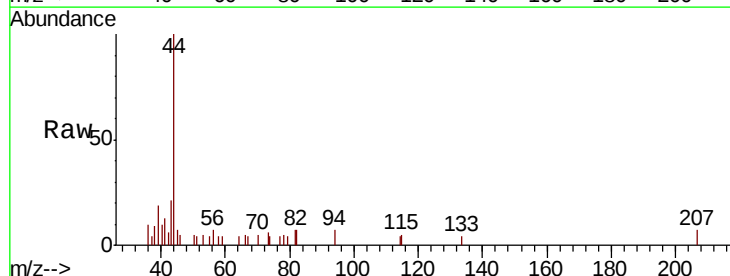
Instrument :
MSVOA_F
ClientSampleId :
SB-3(12.5-14.5)RE

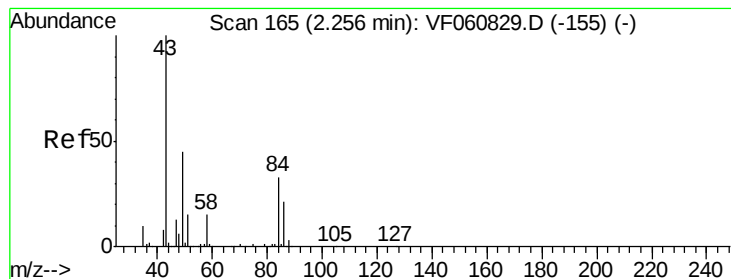
Tot Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#19
Methyl tert-butyl Ether
Concen: 1.539 ug/l
RT: 2.39 min Scan# 179
Delta R.T. -0.06 min
Lab File: VF060940.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 73 Resp: 98
Ion Ratio Lower Upper
73 100
57 0.0 15.3 22.9#





#20

Methylene Chloride

Concen: 4.217 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

Tot Ion: 84 Resp: 120

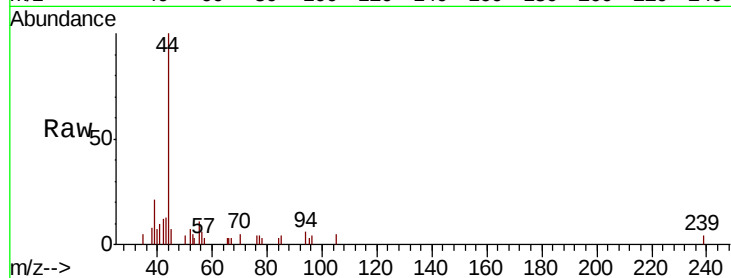
Ion Ratio Lower Upper

84 100

49 0.0 111.3 166.9#

51 0.0 38.0 57.0#

86 0.0 49.8 74.8#

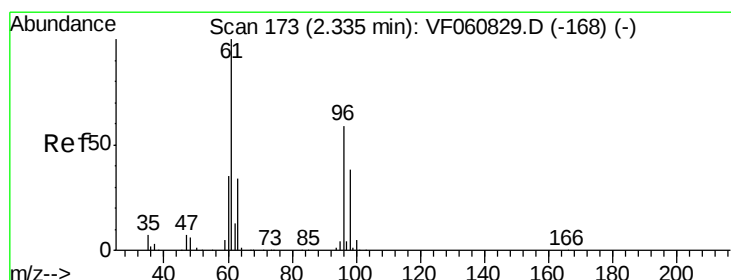
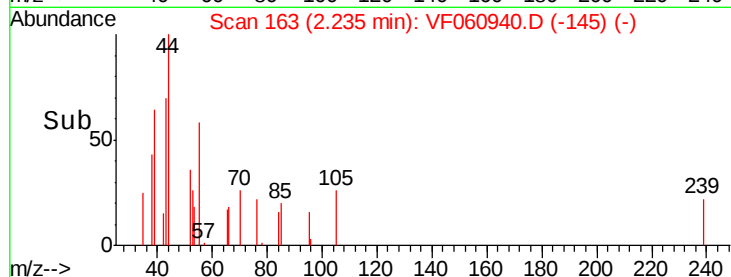
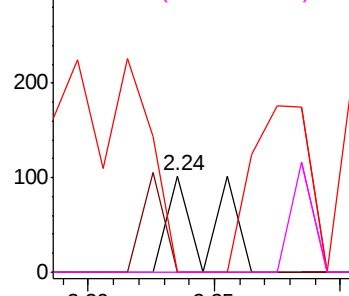


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#21

trans-1,2-Dichloroethene

Concen: 6.603 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

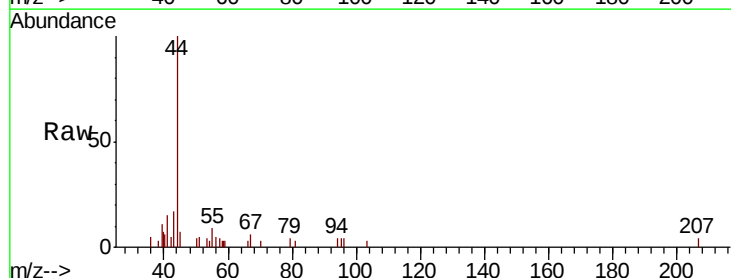
Tgt Ion: 96 Resp: 180

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

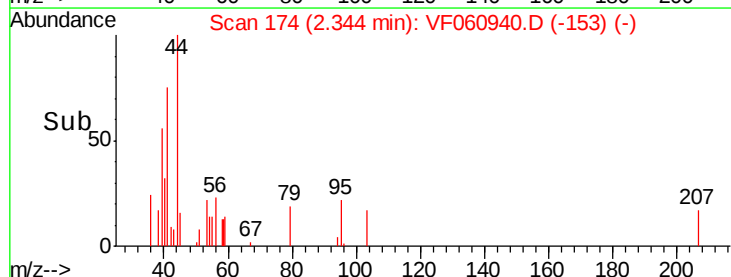
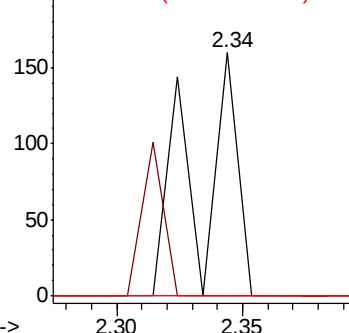
98 0.0 51.6 77.4#

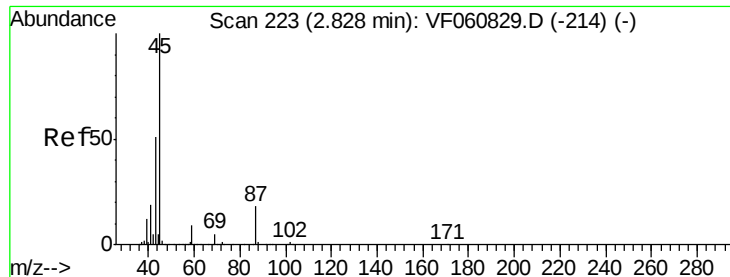


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#22

Diisopropyl ether

Concen: 4.076 ug/l

RT: 2.76 min Scan# 216

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

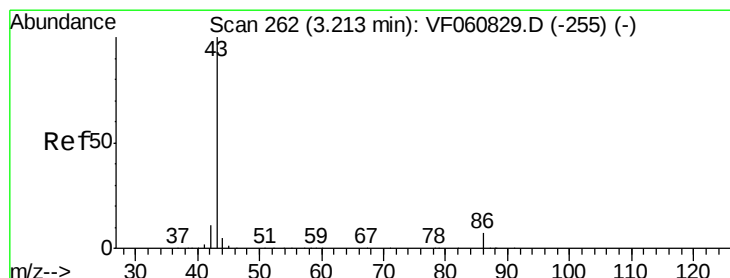
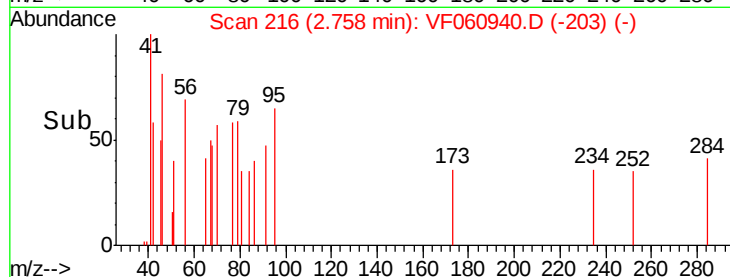
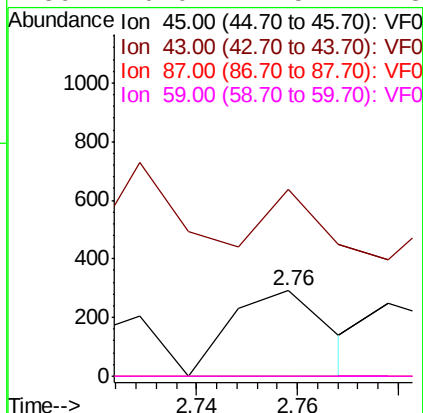
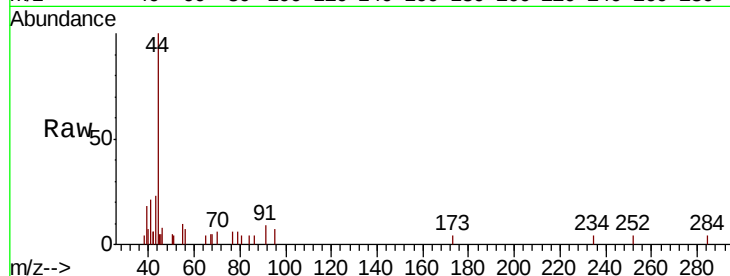
Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

Tot Ion:	45	Resp:	391
Ion	Ratio	Lower	Upper
45	100		
43	219.2	41.0	61.6#
87	0.0	14.6	22.0#
59	0.0	7.5	11.3#



#23

Vinyl Acetate

Concen: 11.539 ug/l

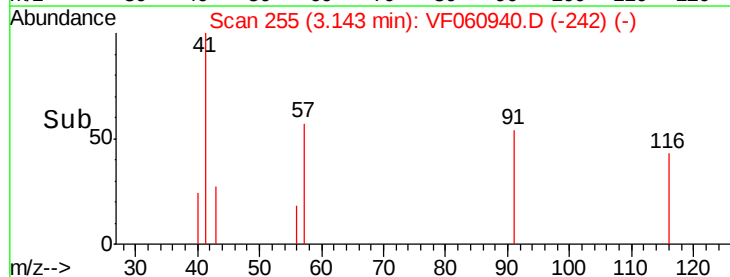
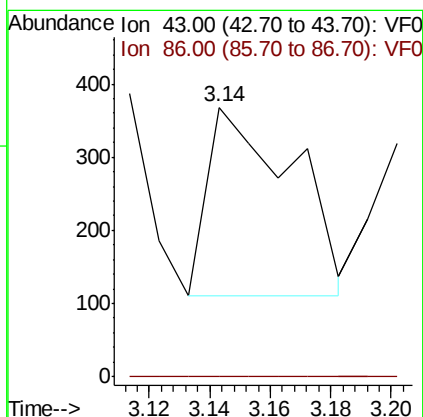
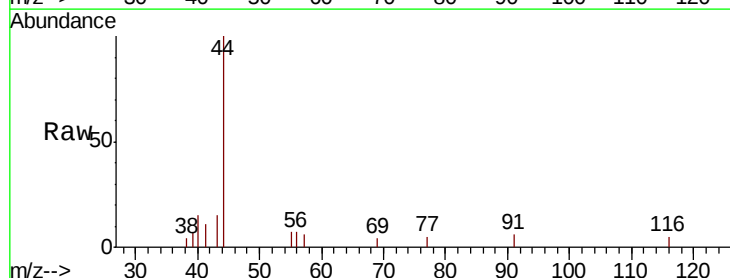
RT: 3.14 min Scan# 255

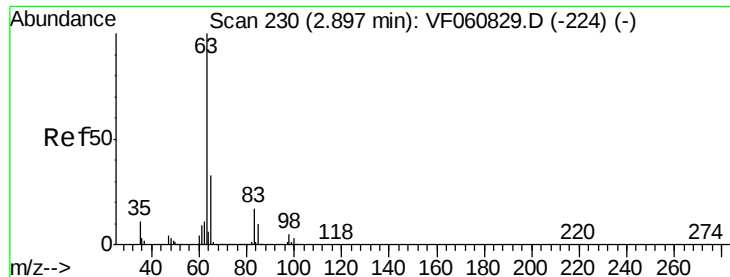
Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Tgt Ion:	43	Resp:	506
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.4	8.0#





#24

1,1-Dichloroethane

Concen: 1.297 ug/l

RT: 2.84 min Scan# 224

Delta R.T. -0.06 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

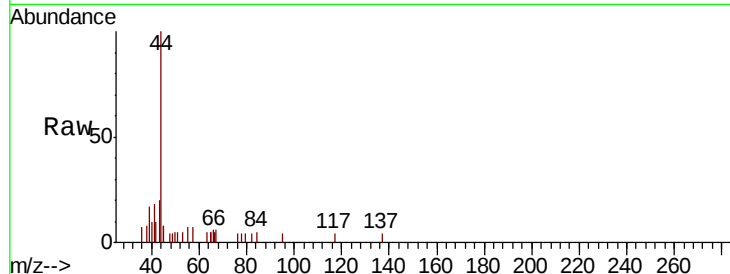
Tot Ion: 63 Resp: 74

Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

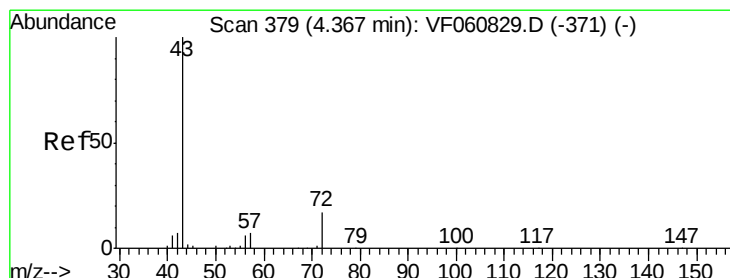
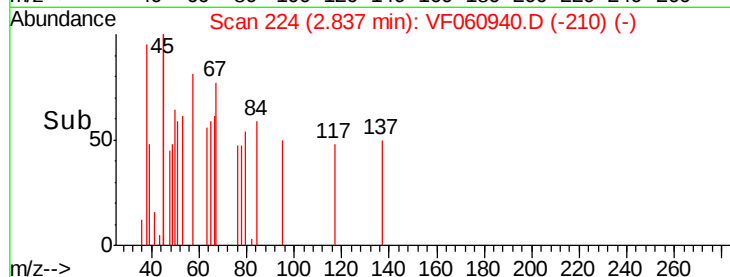
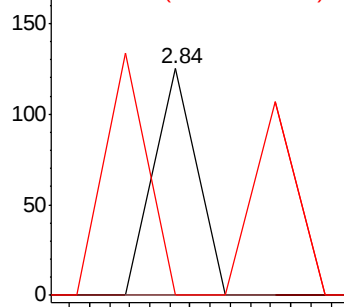
100 0.0 1.5 4.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 36.072 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.10 min

Lab File: VF060940.D

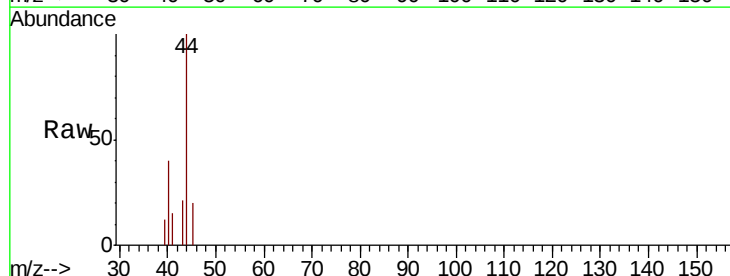
Acq: 7 Dec 2018 20:32

Tgt Ion: 43 Resp: 484

Ion Ratio Lower Upper

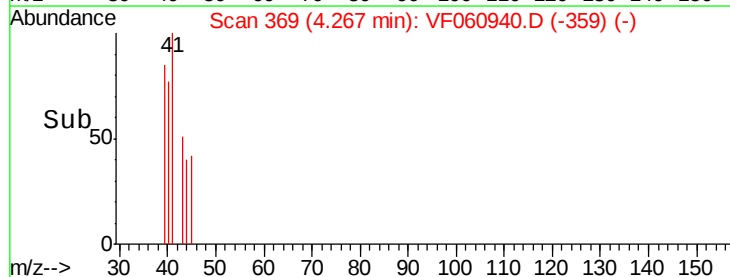
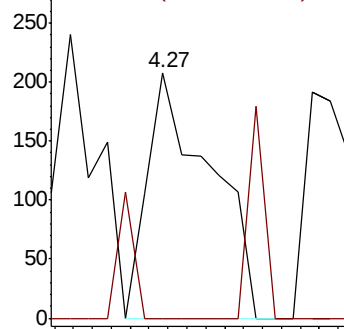
43 100

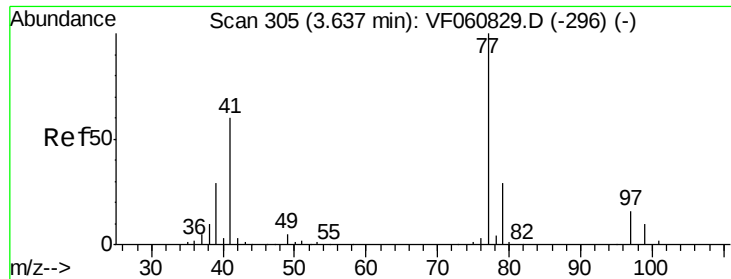
72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 2.108 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

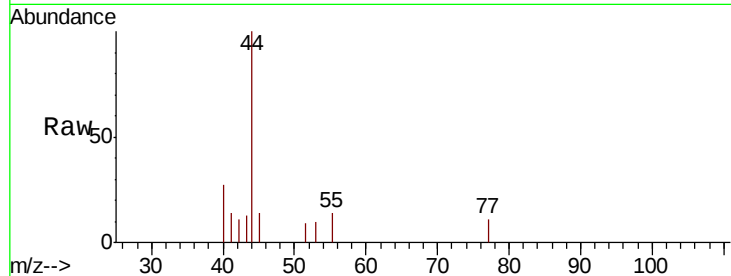
SB-3(12.5-14.5)RE

Tot Ion: 77 Resp: 78

Ion Ratio Lower Upper

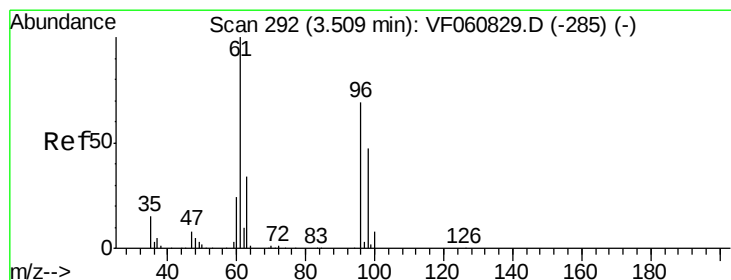
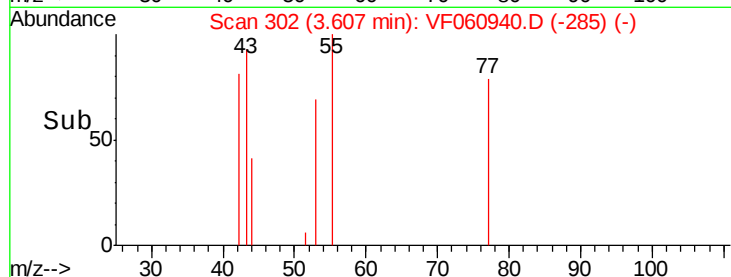
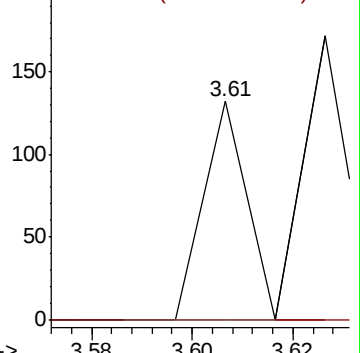
77 100

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



#27

cis-1,2-Dichloroethene

Concen: 1.510 ug/l

RT: 3.43 min Scan# 284

Delta R.T. -0.08 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

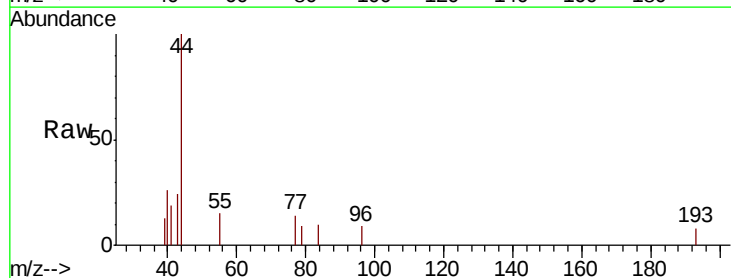
Tgt Ion: 96 Resp: 67

Ion Ratio Lower Upper

96 100

61 0.0 0.0 290.6

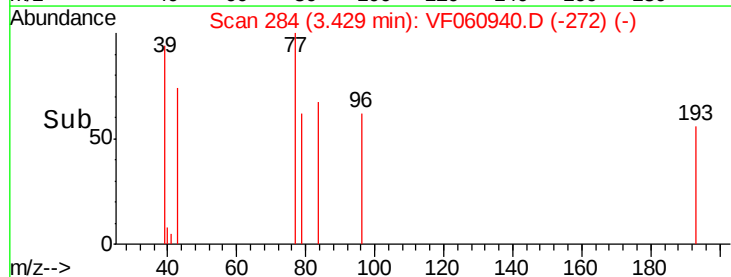
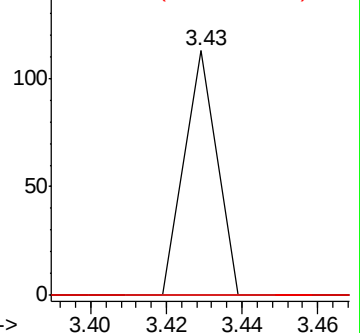
98 0.0 0.0 137.8

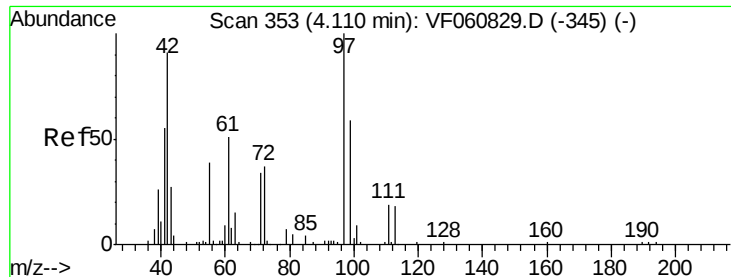


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

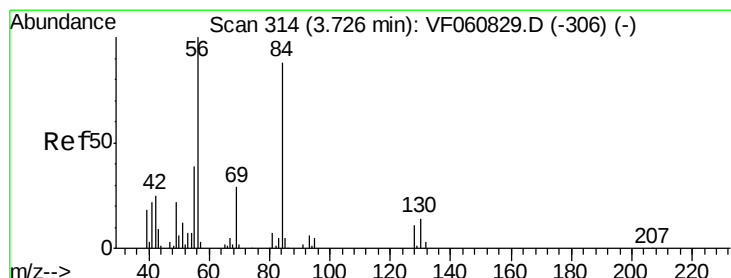
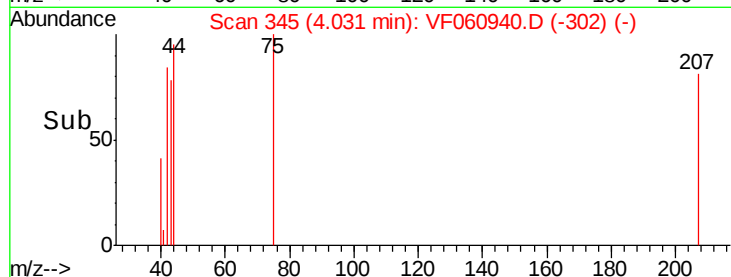
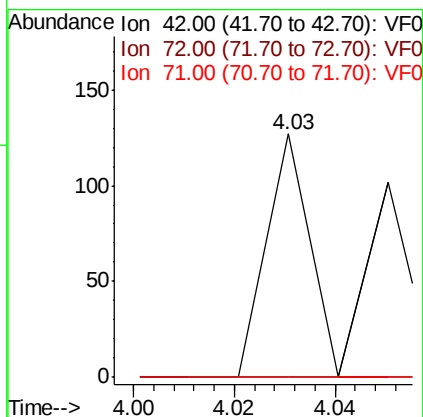
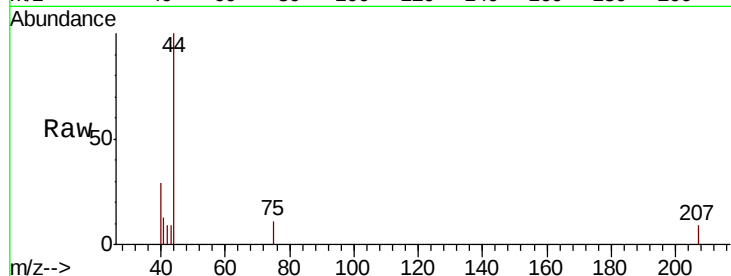




#29
Tetrahydrofuran
Concen: 13.187 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.08 min
Lab File: VF060940.D
Acq: 7 Dec 2018 20:32

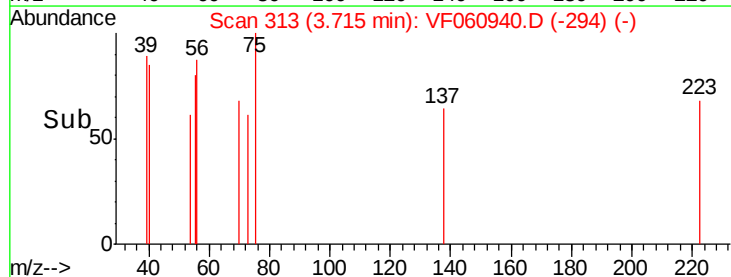
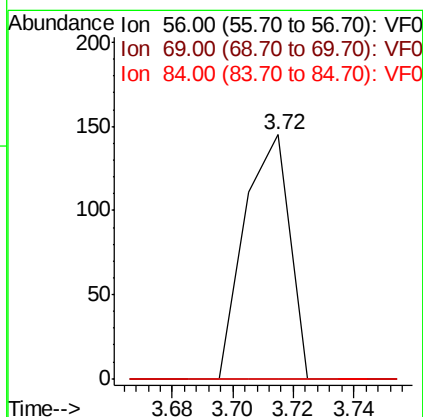
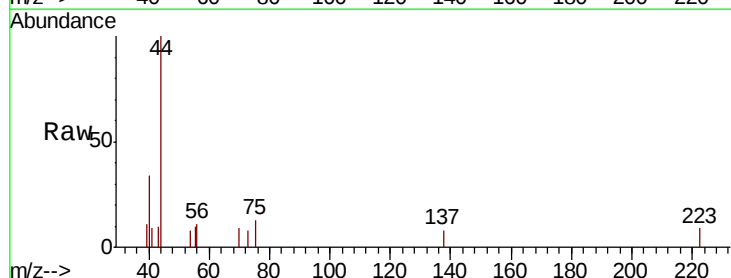
Instrument :
MSVOA_F
ClientSampleId :
SB-3(12.5-14.5)RE

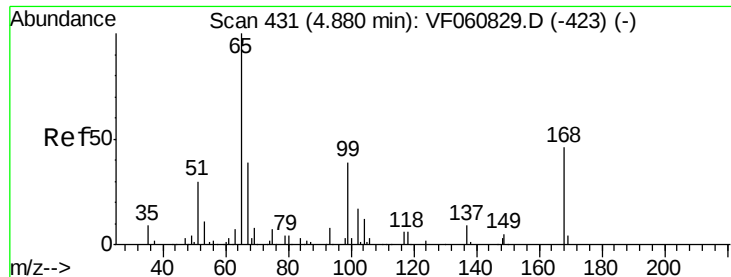
Tot Ion: 42 Resp: 75
Ion Ratio Lower Upper
42 100
72 0.0 31.9 47.9#
71 0.0 28.7 43.1#



#31
Cyclohexane
Concen: 2.566 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF060940.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 18.779 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

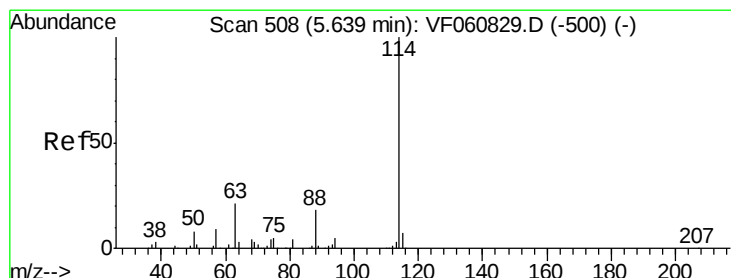
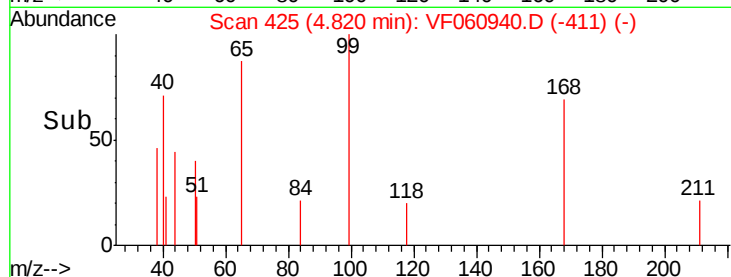
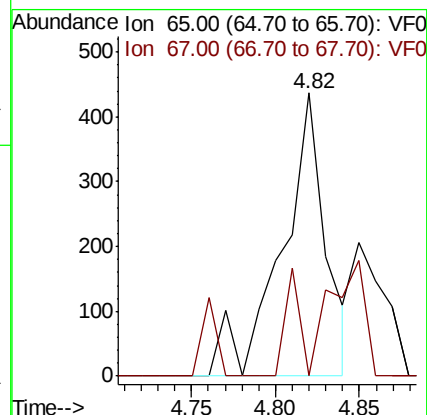
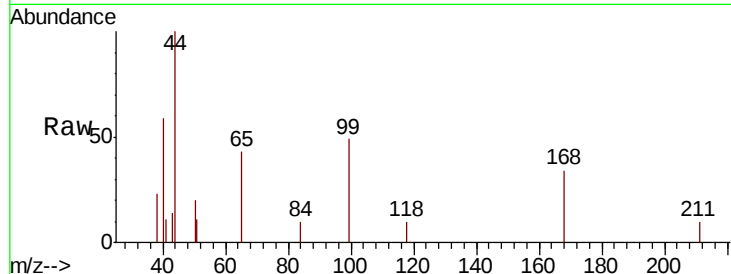
SB-3(12.5-14.5)RE

Tot Ion: 65 Resp: 790

Ion Ratio Lower Upper

65 100

67 0.0 0.0 96.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.06 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

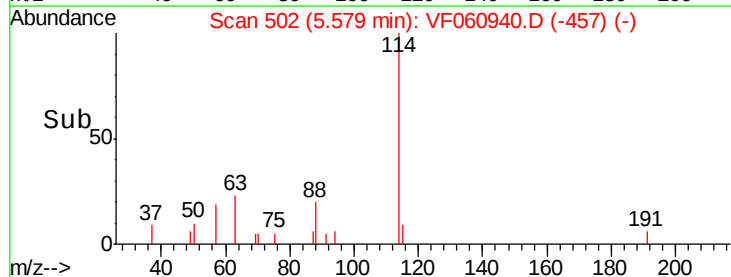
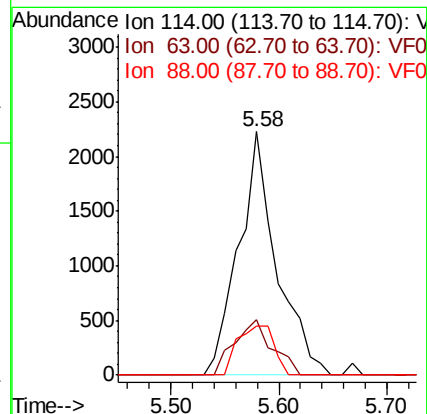
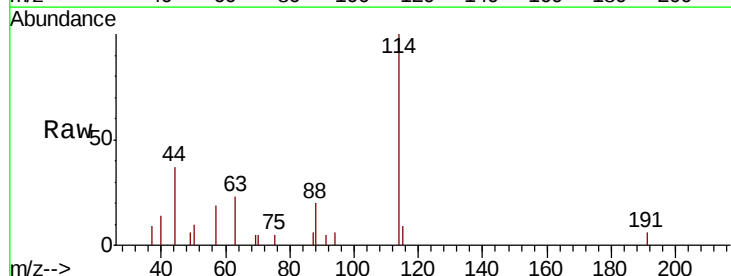
Tgt Ion: 114 Resp: 5409

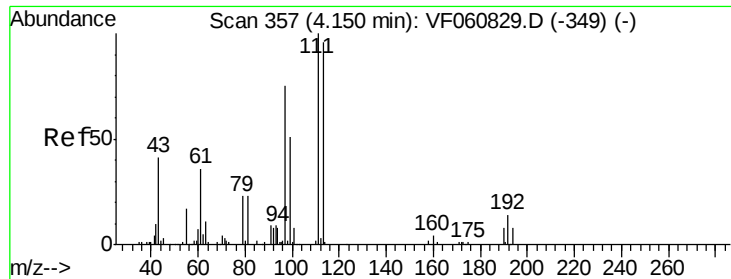
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.6

88 19.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 31.996 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

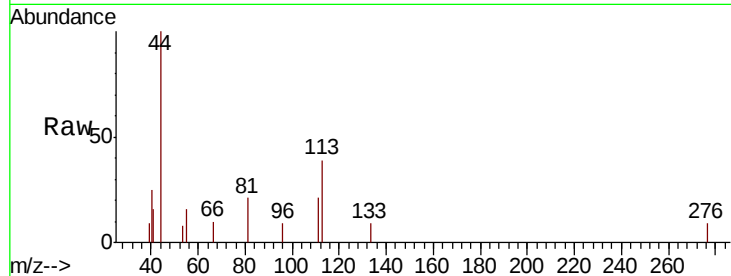
Tot Ion:113 Resp: 1373

Ion Ratio Lower Upper

113 100

111 54.0 83.0 124.6#

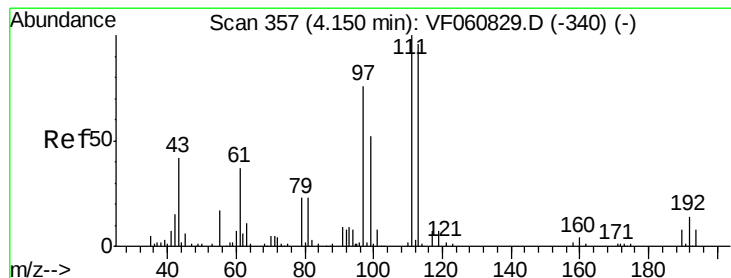
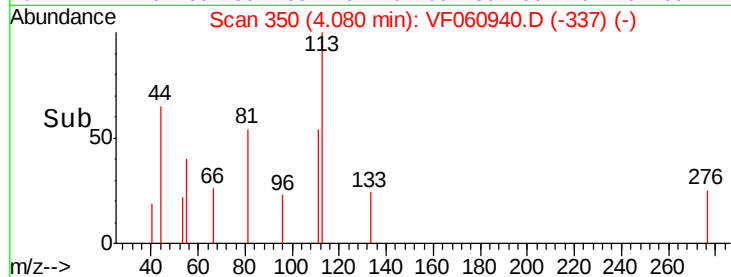
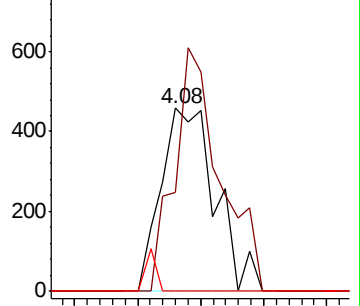
192 0.0 12.3 18.5#



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



#37

Ethyl Acetate

Concen: 47.415 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

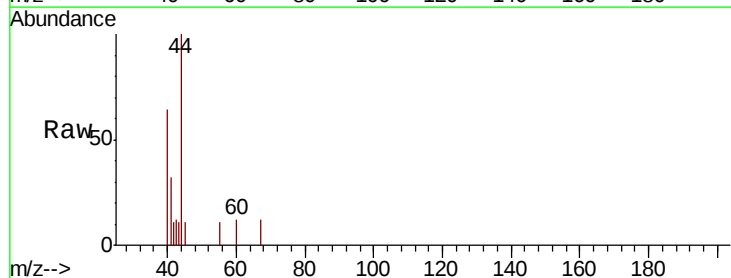
Tgt Ion: 43 Resp: 1156

Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

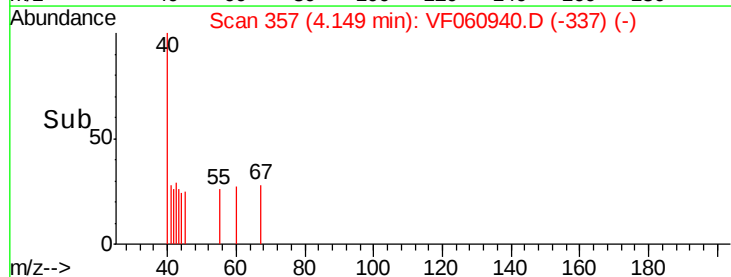
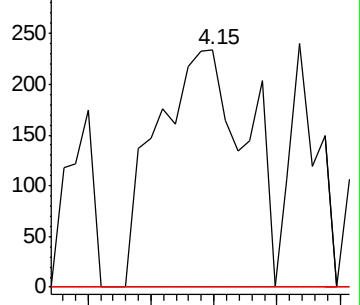
70 0.0 9.0 13.4#

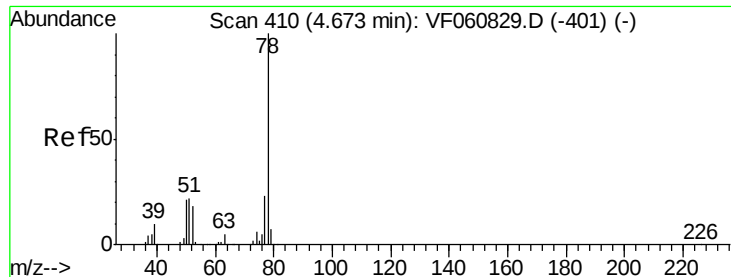


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#40

Benzene

Concen: 13.981 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.05 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

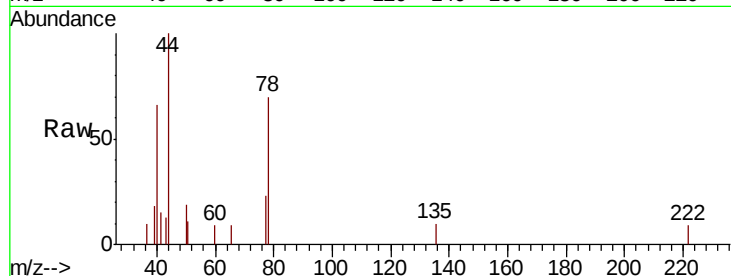
SB-3(12.5-14.5)RE

Tot Ion: 78 Resp: 1853

Ion Ratio Lower Upper

78 100

77 33.1 18.7 28.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.62

800

600

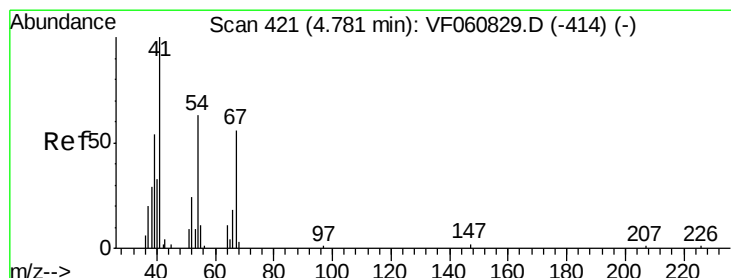
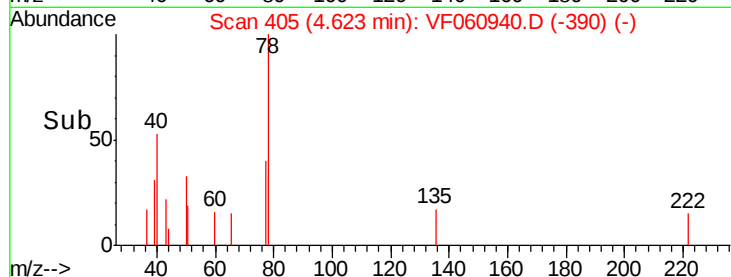
400

200

0

4.50 4.55 4.60 4.65 4.70

Time-->



#41

Methacrylonitrile

Concen: 19.756 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.06 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Tgt Ion: 41 Resp: 279

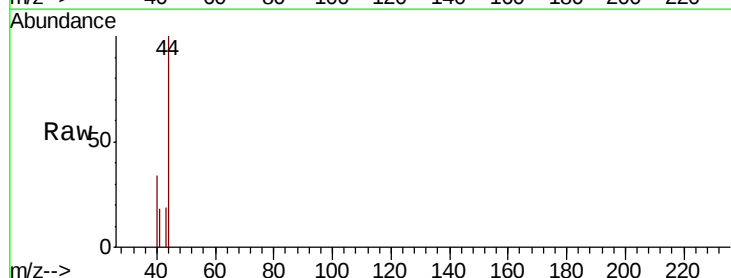
Ion Ratio Lower Upper

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

300

250

200

150

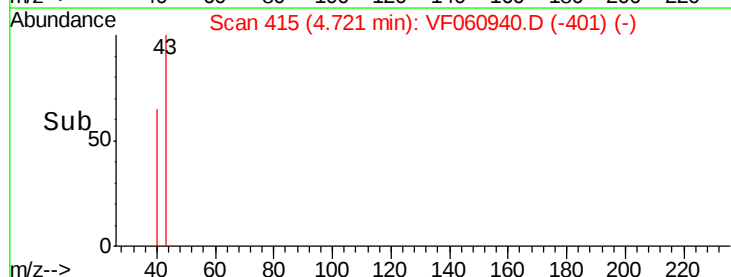
100

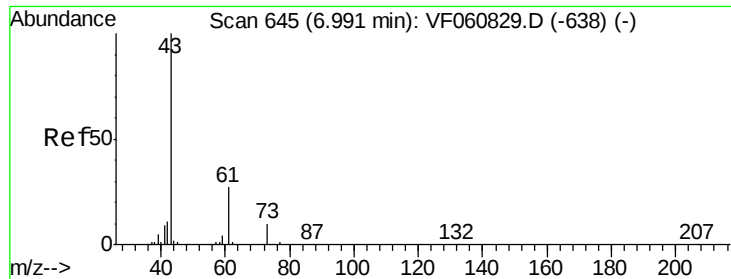
50

0

4.70 4.72 4.74

Time-->



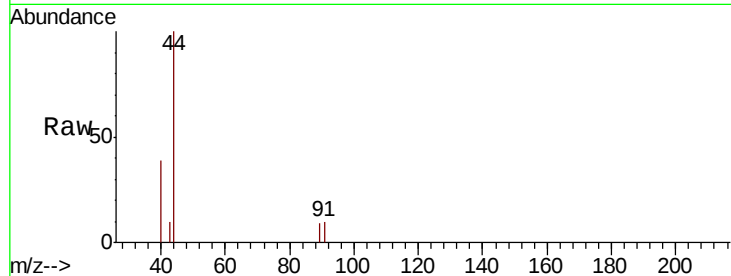


#43

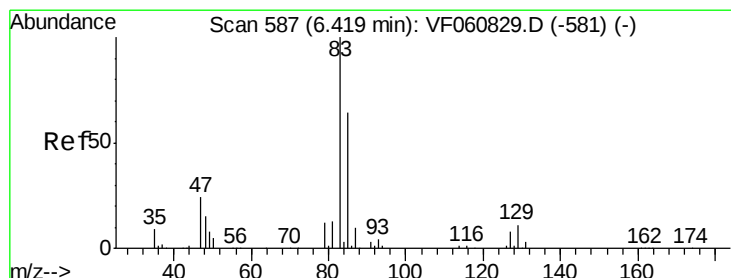
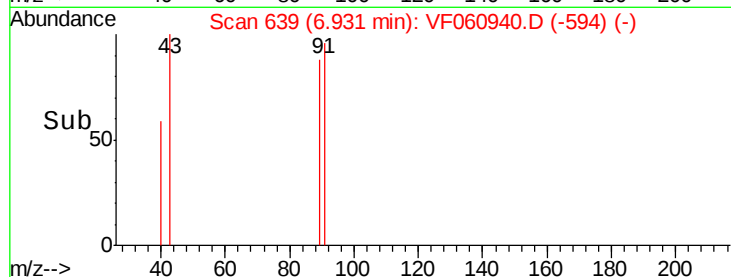
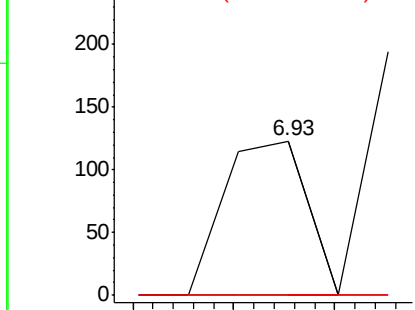
Isopropyl Acetate
 Concen: 2.081 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.06 min
 Lab File: VF060940.D
 Acq: 7 Dec 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3(12.5-14.5)RE

Tot Ion: 43 Resp: 141
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#



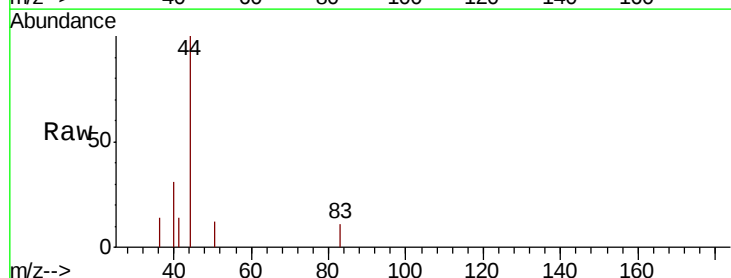
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



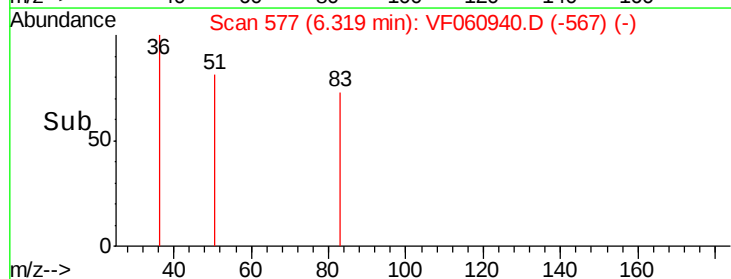
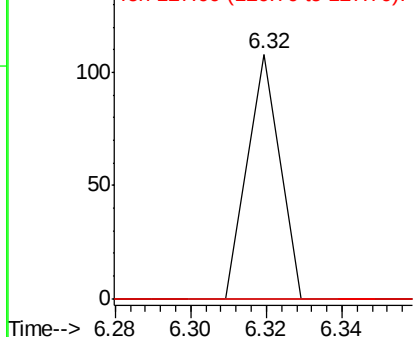
#47

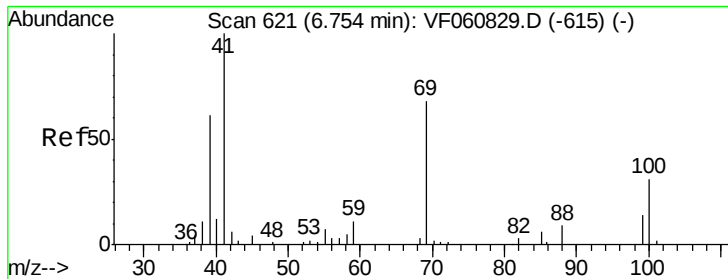
Bromodichloromethane
 Concen: 1.032 ug/l
 RT: 6.32 min Scan# 577
 Delta R.T. -0.10 min
 Lab File: VF060940.D
 Acq: 7 Dec 2018 20:32

Tgt Ion: 83 Resp: 64
 Ion Ratio Lower Upper
 83 100
 85 0.0 51.1 76.7#
 127 0.0 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VF0
 Ion 85.00 (84.70 to 85.70): VF0
 Ion 127.00 (126.70 to 127.70): V





#48

Methyl methacrylate

Concen: 11.283 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.05 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

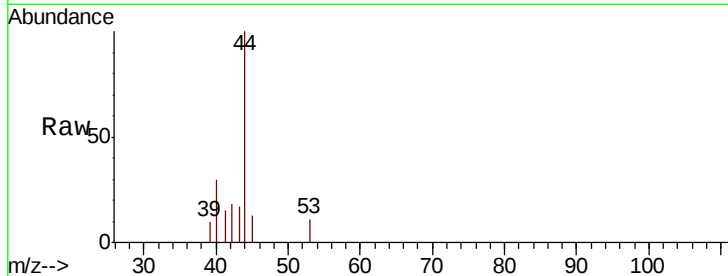
Tot Ion: 41 Resp: 249

Ion Ratio Lower Upper

41 100

69 0.0 53.9 80.9#

39 66.2 49.0 73.6



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

6.70

150

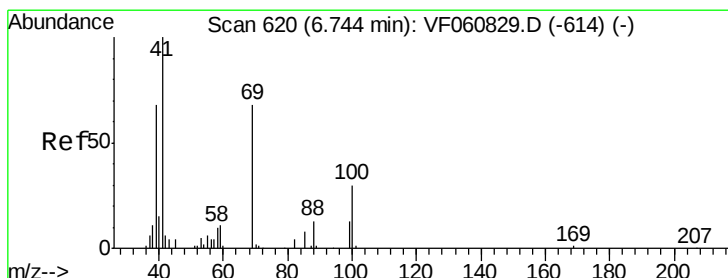
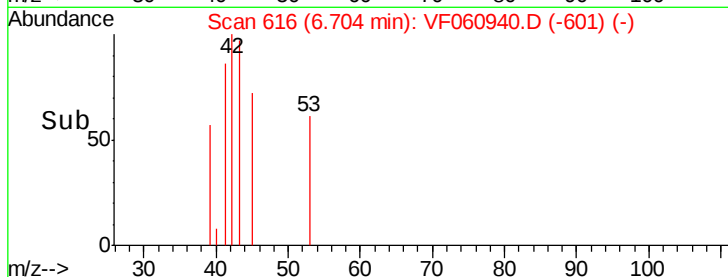
100

50

0

6.68 6.70 6.72

Time-->



#49

1,4-Dioxane

Concen: 464.362 ug/l

RT: 6.95 min Scan# 641

Delta R.T. 0.21 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

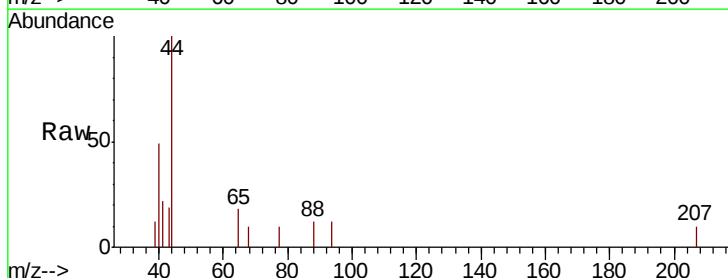
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 154.0 42.0 63.0#

58 0.0 61.8 92.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

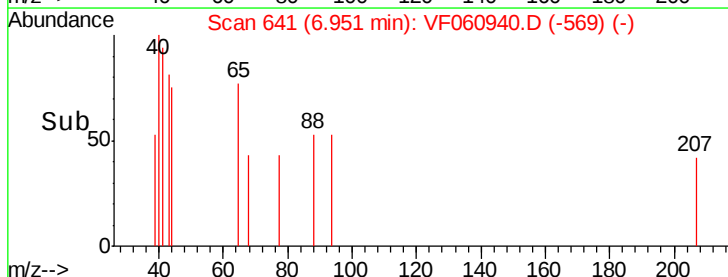
100

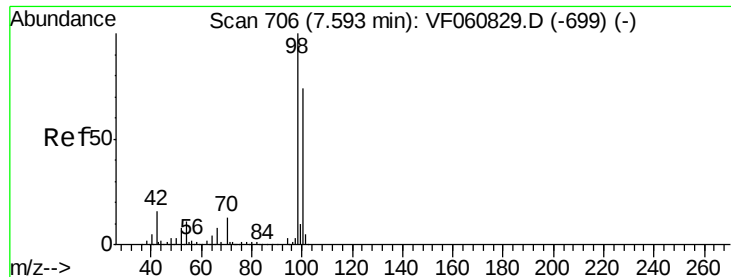
50

0

6.92 6.94 6.96 6.98

Time-->





#50

Toluene-d8

Concen: 36.036 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

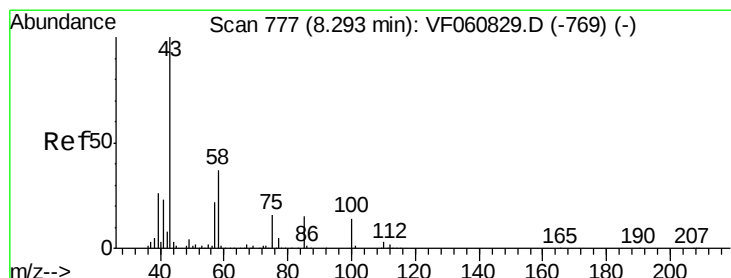
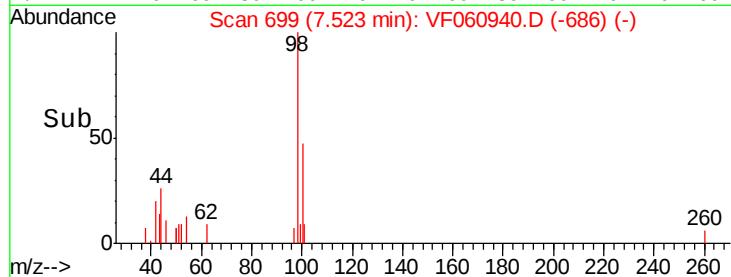
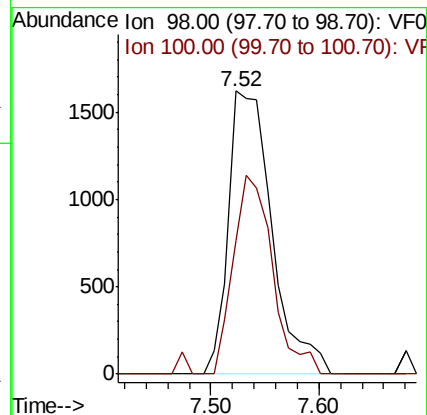
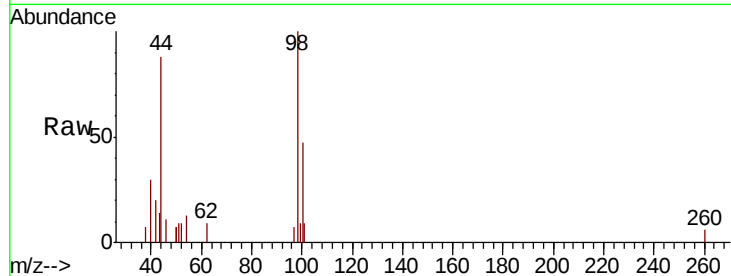
SB-3(12.5-14.5)RE

Tot Ion: 98 Resp: 4555

Ion Ratio Lower Upper

98 100

100 47.3 59.3 88.9#



#51

4-Methyl-2-Pentanone

Concen: 33.715 ug/l

RT: 8.20 min Scan# 768

Delta R.T. -0.09 min

Lab File: VF060940.D

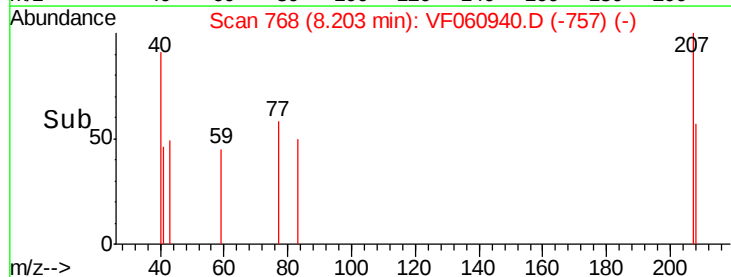
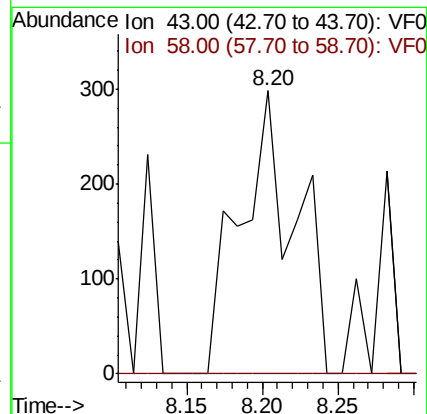
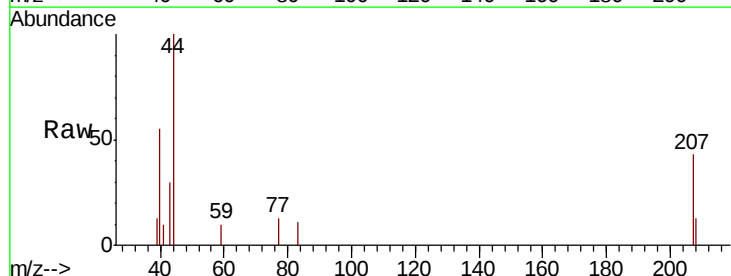
Acq: 7 Dec 2018 20:32

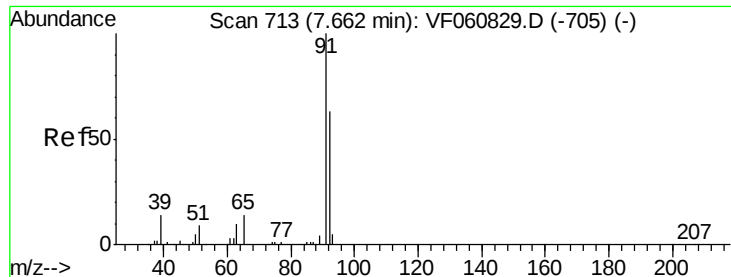
Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#





#52

Toluene

Concen: 2.277 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.07 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

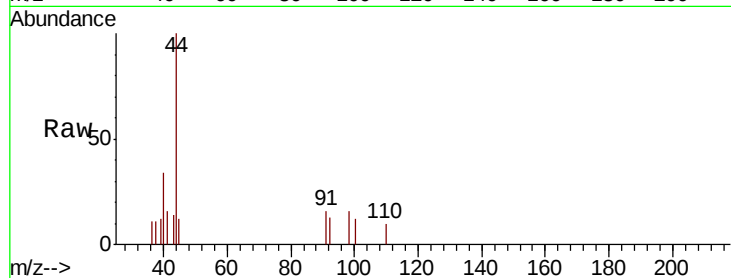
SB-3(12.5-14.5)RE

Tot Ion: 92 Resp: 212

Ion Ratio Lower Upper

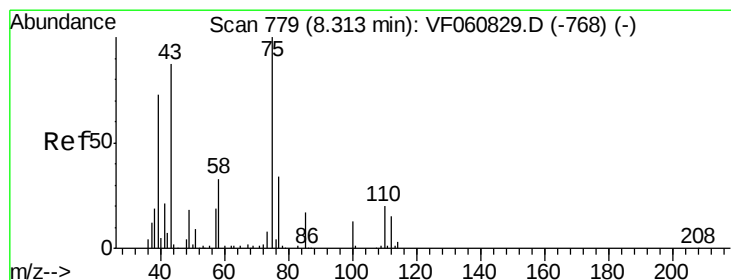
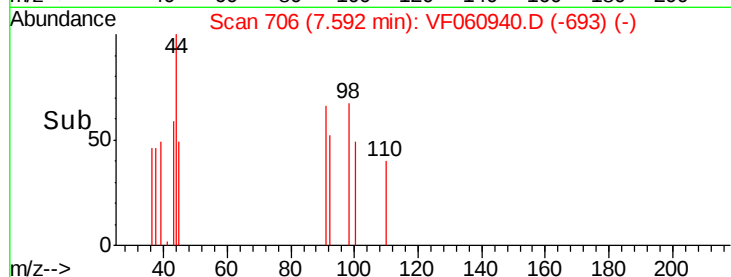
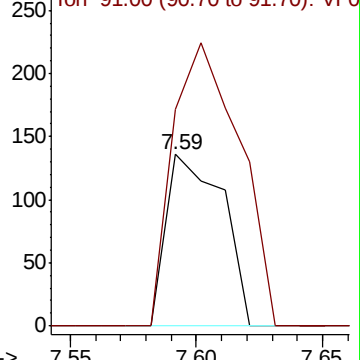
92 100

91 126.5 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.249 ug/l

RT: 8.06 min Scan# 753

Delta R.T. -0.26 min

Lab File: VF060940.D

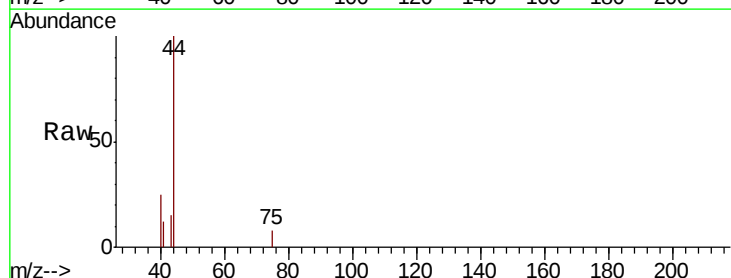
Acq: 7 Dec 2018 20:32

Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

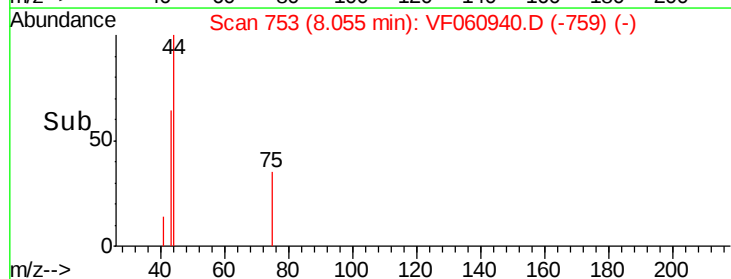
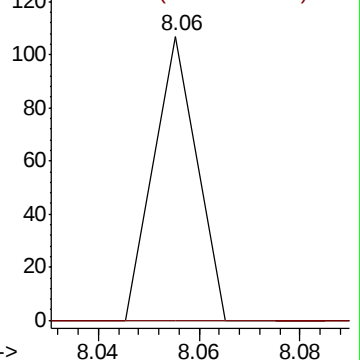
75 100

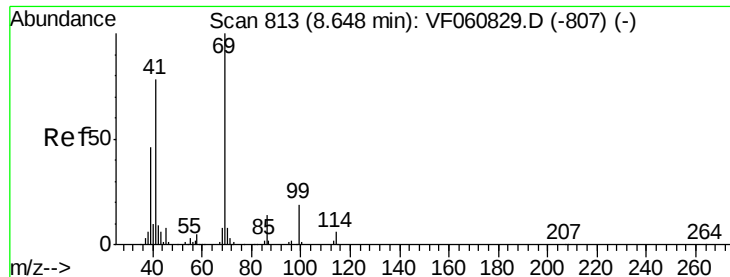
77 0.0 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#56

Ethyl methacrylate

Concen: 2.887 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.00 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

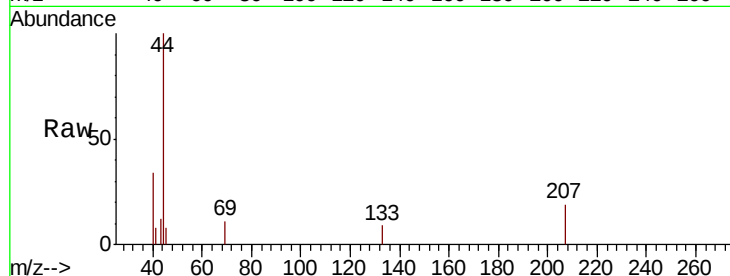
Tot Ion: 69 Resp: 87

Ion Ratio Lower Upper

69 100

41 72.1 62.6 94.0

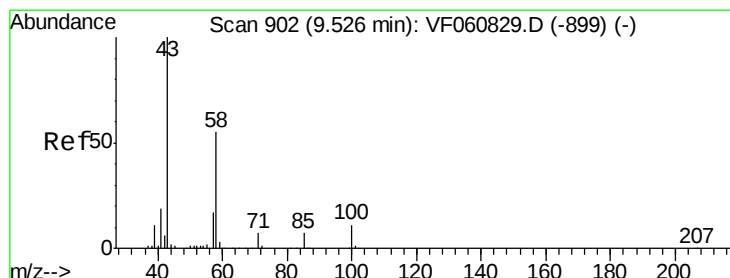
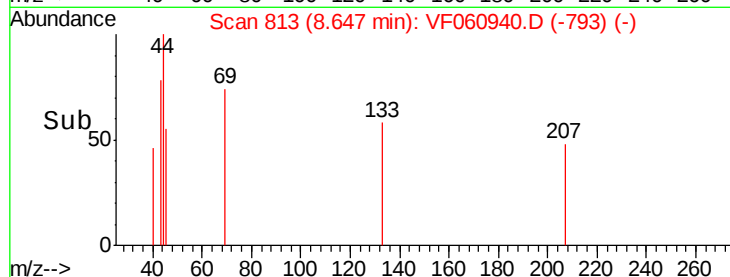
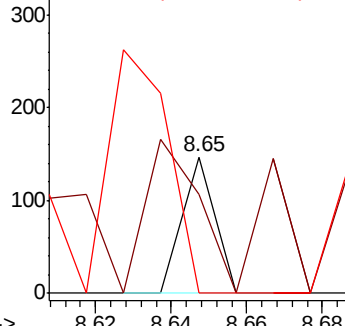
39 0.0 37.8 56.6#



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: 27.642 ug/l

RT: 9.45 min Scan# 894

Delta R.T. -0.08 min

Lab File: VF060940.D

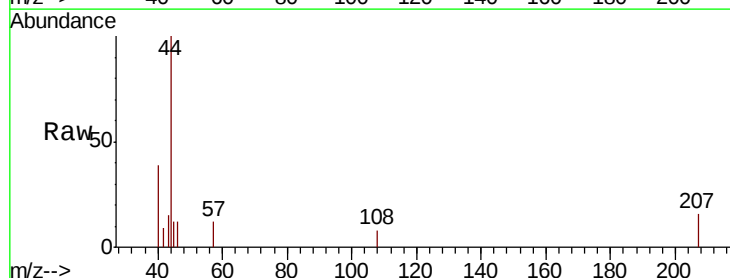
Acq: 7 Dec 2018 20:32

Tgt Ion: 43 Resp: 436

Ion Ratio Lower Upper

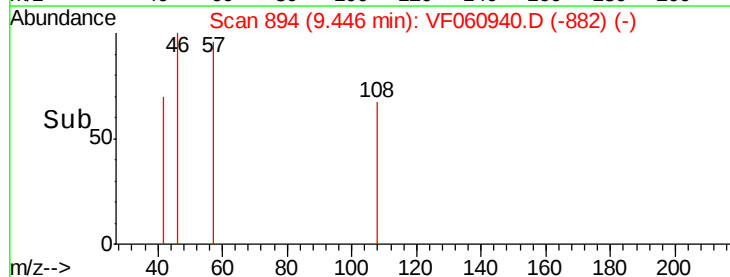
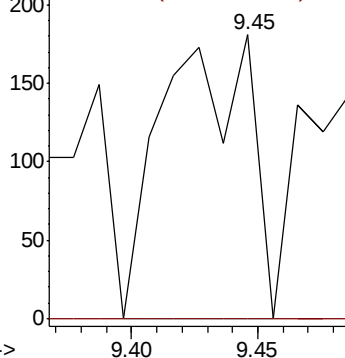
43 100

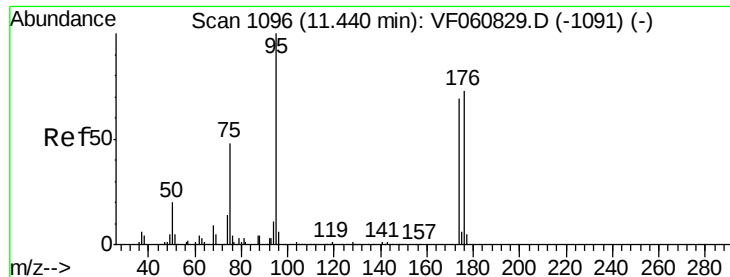
58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 1.584 ug/l

RT: 11.32 min Scan# 1084

Delta R.T. -0.12 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

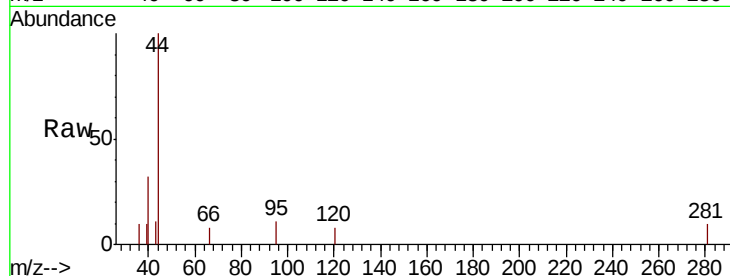
Tot Ion: 95 Resp: 91

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

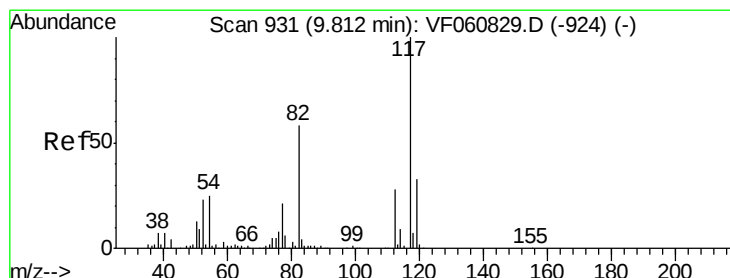
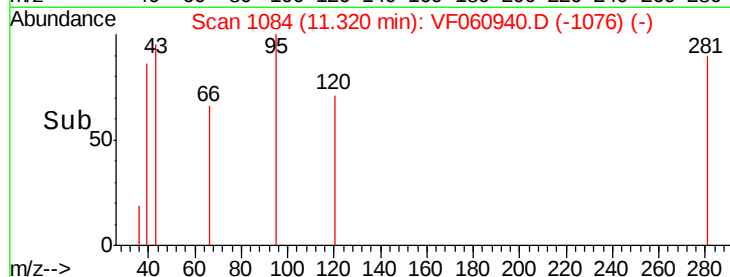
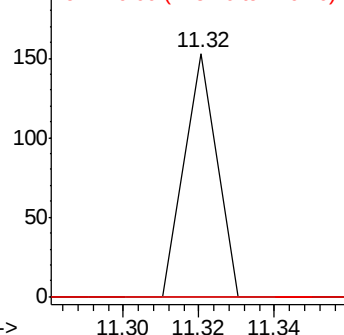
176 0.0 0.0 146.2



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: 9.76 min Scan# 926

Delta R.T. -0.05 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

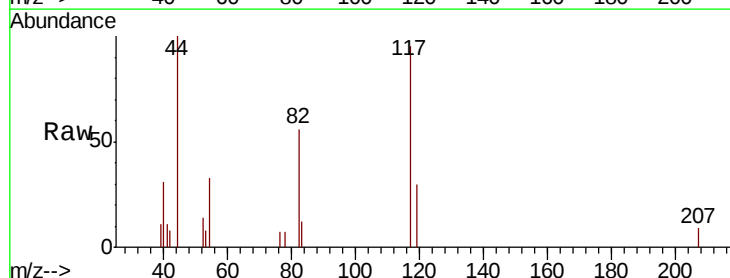
Tgt Ion: 117 Resp: 2827

Ion Ratio Lower Upper

117 100

82 58.8 46.6 69.8

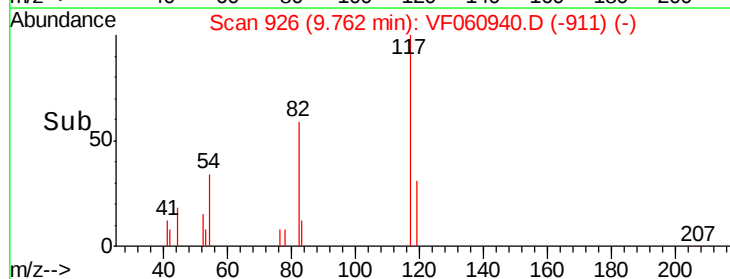
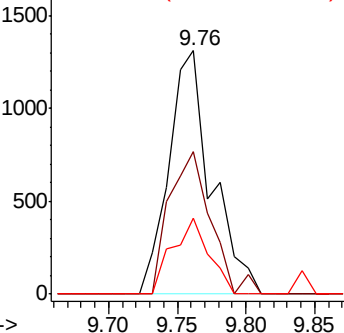
119 31.4 26.4 39.6

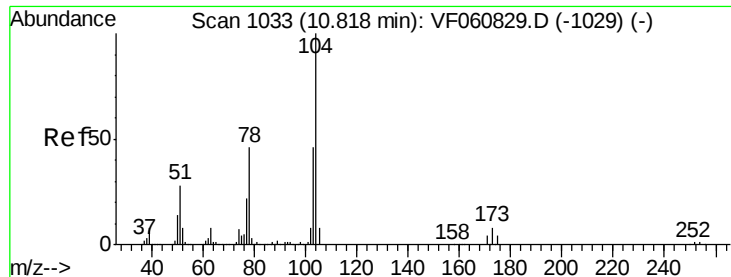


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#70

Stvrene

Concen: 6.857 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.04 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

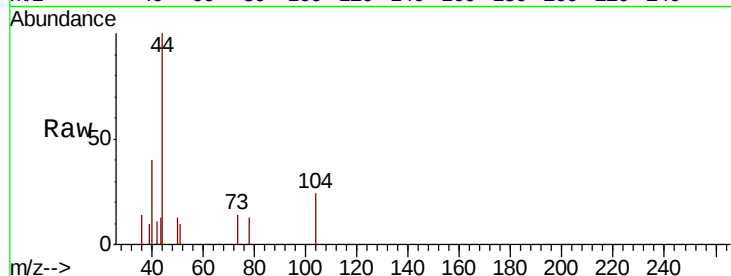
Tot Ion:104 Resp: 386

Ion Ratio Lower Upper

104 100

78 53.0 37.3 55.9

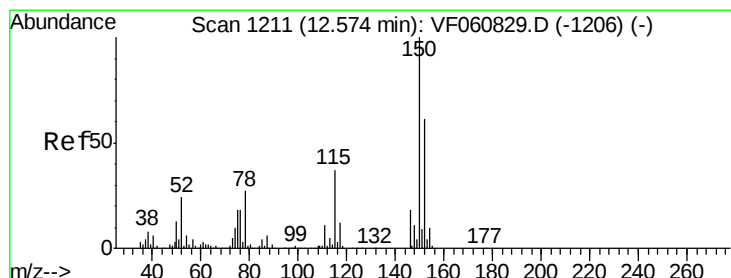
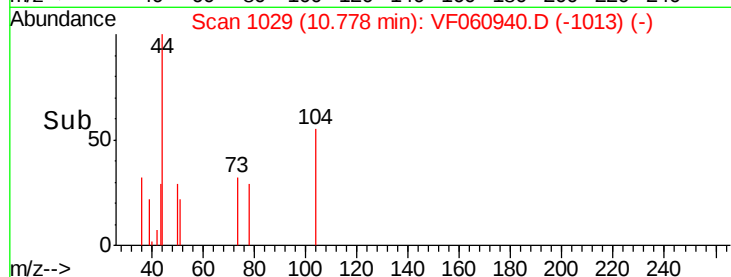
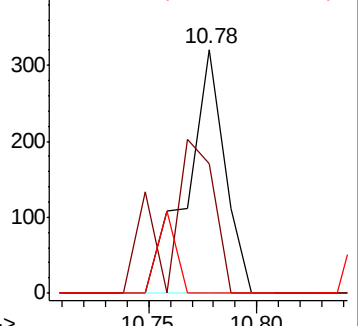
103 0.0 36.8 55.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

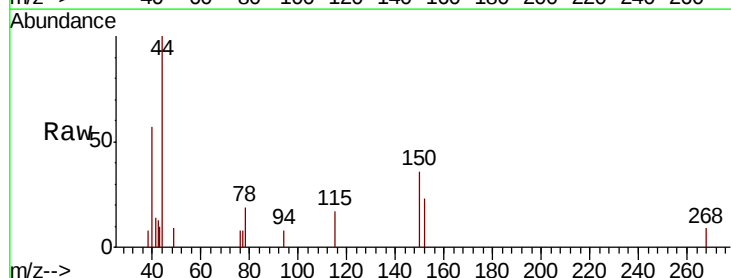
Tgt Ion:152 Resp: 452

Ion Ratio Lower Upper

152 100

115 72.8 30.1 90.5

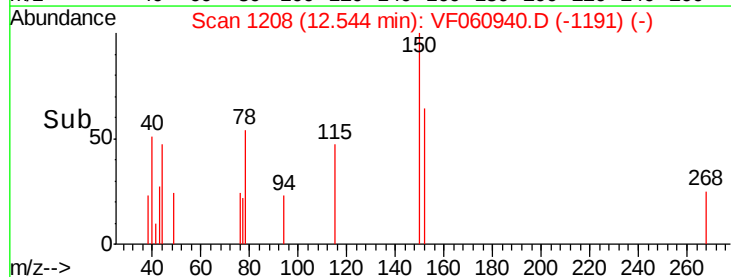
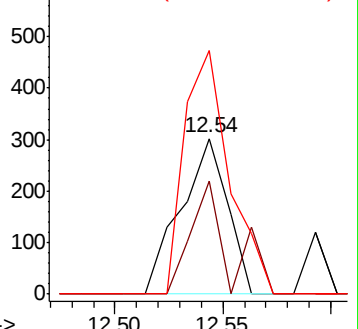
150 156.6 0.0 327.6

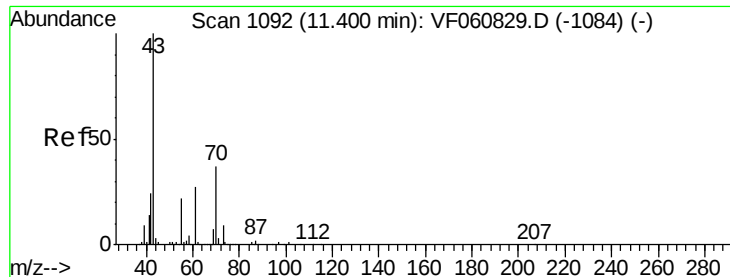


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 31.765 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

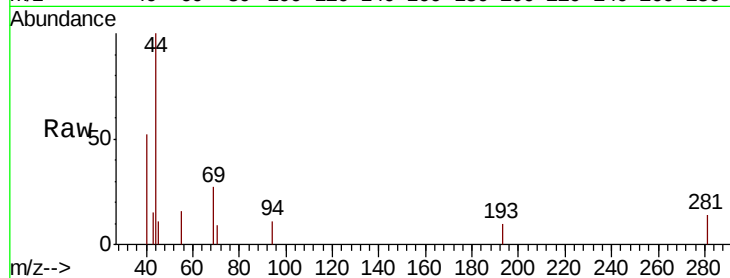
MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE

Tot Ion: 43 Resp: 262

Ion	Ratio	Lower	Upper
43	100		
70	63.5	29.6	44.4#
55	106.7	17.2	25.8#
61	0.0	21.8	32.6#



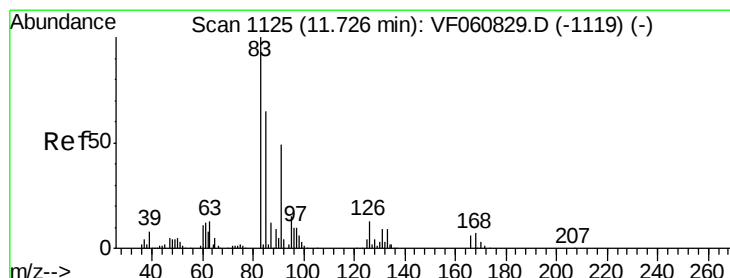
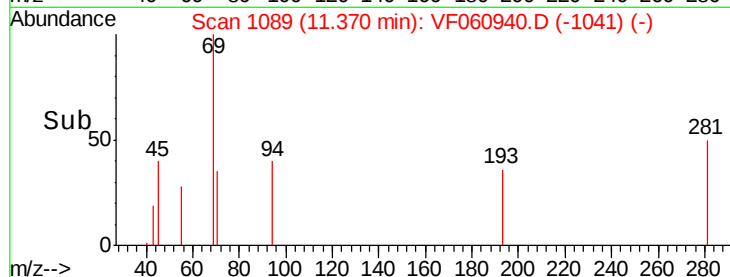
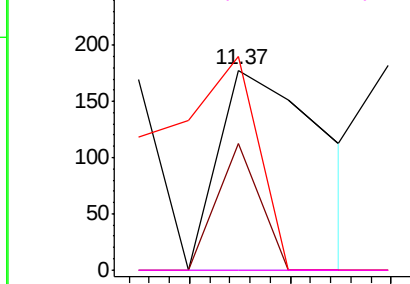
Abundance

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



#75

1,1,2,2-Tetrachloroethane

Concen: 10.547 ug/l

RT: 11.60 min Scan# 1112

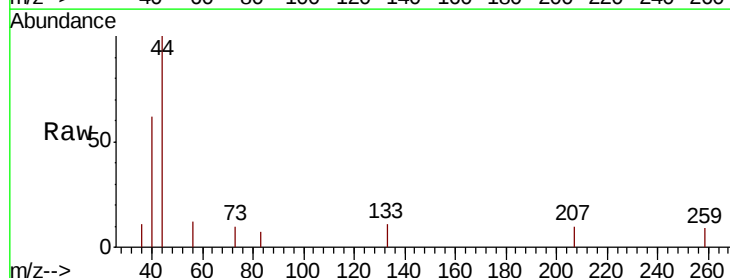
Delta R.T. -0.13 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Tgt Ion: 83 Resp: 62

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.1#
85	0.0	32.6	97.8#

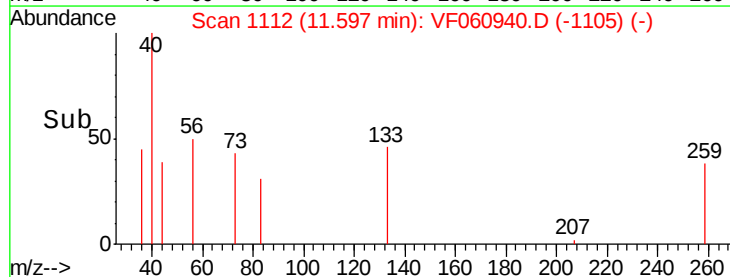
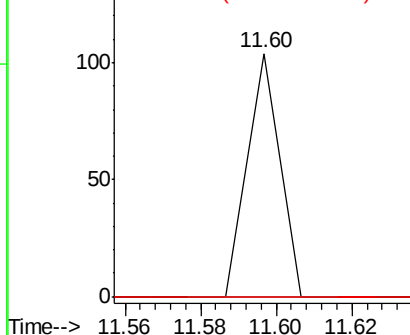


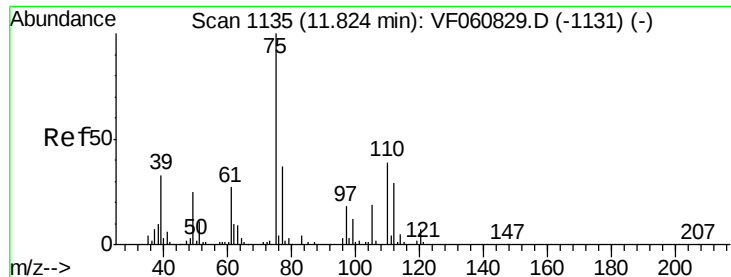
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 23.169 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.13 min

Lab File: VF060940.D

Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

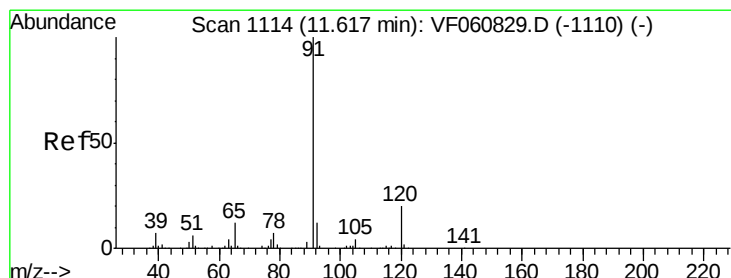
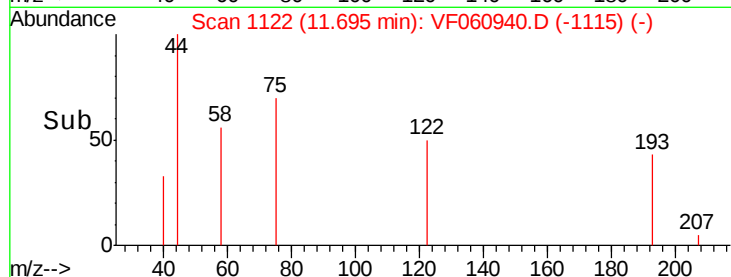
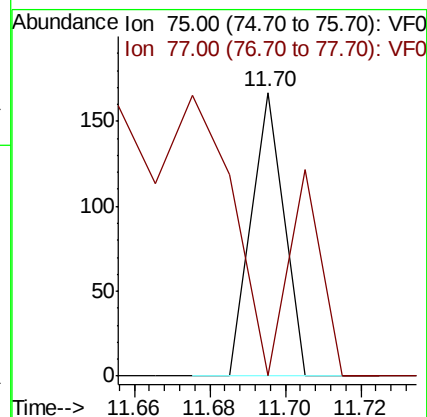
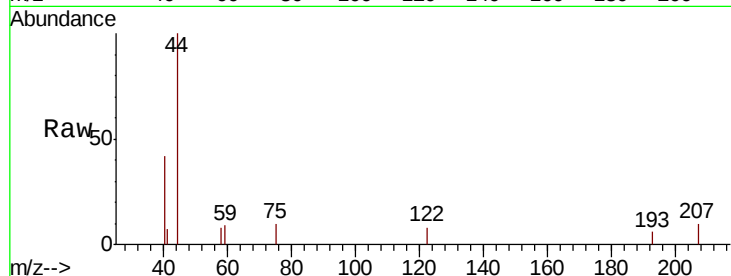
SB-3(12.5-14.5)RE

Tot Ion: 75 Resp: 99

Ion Ratio Lower Upper

75 100

77 0.0 18.4 55.4#



#78

n-propylbenzene

Concen: 1.530 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.17 min

Lab File: VF060940.D

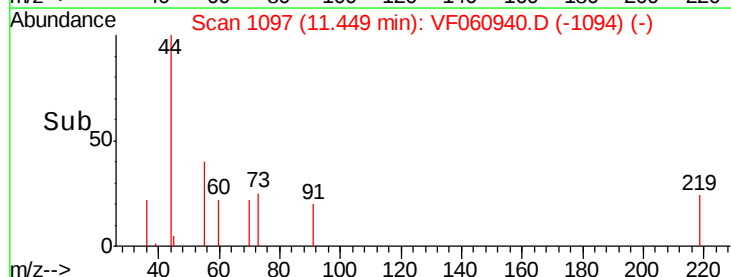
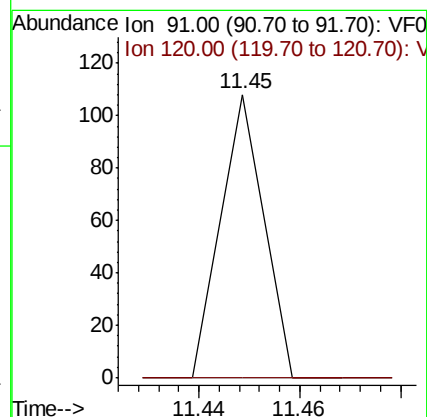
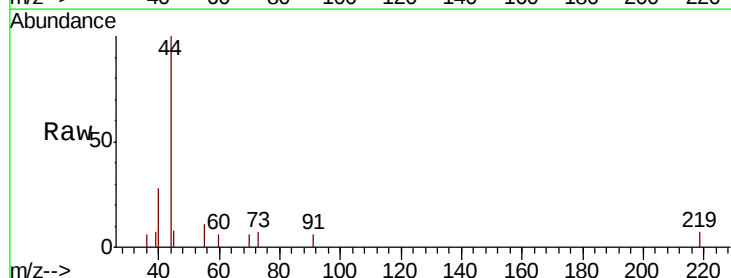
Acq: 7 Dec 2018 20:32

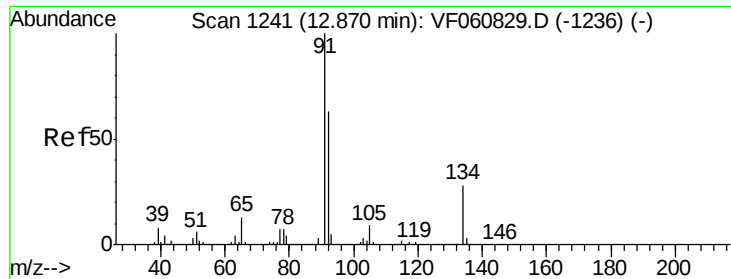
Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

120 0.0 10.3 30.8#





#89

n-Butylbenzene

Concen: 1.925 ug/l

RT: 12.70 min Scan# 1224

Delta R.T. -0.17 min

Lab File: VF060940.D

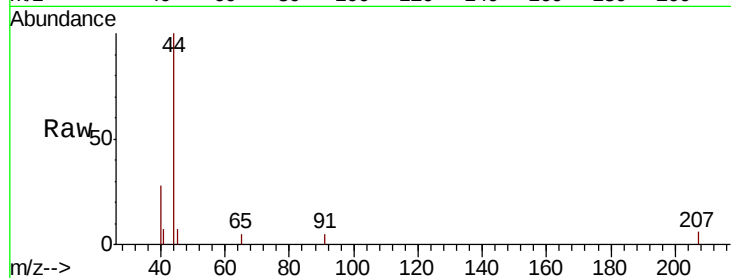
Acq: 7 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

SB-3(12.5-14.5)RE



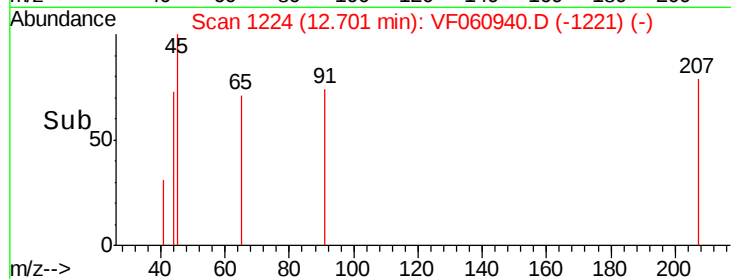
Tot Ion: 91 Resp: 66

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

