

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061032.D
 Acq On : 14 Dec 2018 21:01
 Operator : VA/AP
 Sample : J6403-57RE
 Misc : 5.66g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-8-ARE

Quant Time: Dec 15 00:09:13 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	4680	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	5902	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	4200	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	1197	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	978	17.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	35.48%	
35) Dibromofluoromethane	4.10	113	1671	35.69	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	71.38%	
50) Toluene-d8	7.55	98	6452	46.78	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	11.41	95	1734	27.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	55.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	256	5.622	ug/l #	41
4) Vinyl Chloride	1.21	62	119	2.802	ug/l #	42
5) Bromomethane	1.42	94	808	26.979	ug/l	84
6) Chloroethane	1.29	64	63	3.431	ug/l #	1
8) Diethyl Ether	1.64	74	63	4.808	ug/l	96
11) Tert butyl alcohol	2.64	59	80	35.398	ug/l #	1
12) 1,1-Dichloroethene	1.80	96	92	2.483	ug/l #	1
13) Acrolein	2.04	56	757	353.529	ug/l	83
14) Allyl chloride	2.10	41	459	9.938	ug/l #	68
15) Acrylonitrile	2.94	53	281	55.460	ug/l #	11
16) Acetone	2.38	43	536	52.721	ug/l	98
18) Methyl Acetate	2.32	43	1393	82.752	ug/l #	61
19) Methyl tert-butyl Ether	2.43	73	146	1.749	ug/l #	1
20) Methylene Chloride	2.23	84	106	2.842	ug/l #	10
21) trans-1,2-Dichloroethene	2.30	96	90	2.519	ug/l #	1
22) Diisopropyl ether	2.78	45	708	5.631	ug/l #	45
23) Vinyl Acetate	3.15	43	163	2.836	ug/l #	80
24) 1,1-Dichloroethane	2.76	63	175	2.340	ug/l #	86
25) 2-Butanone	4.33	43	320	18.198	ug/l #	57
26) 2,2-Dichloropropane	3.59	77	134	2.763	ug/l #	60
29) Tetrahydrofuran	4.08	42	359	48.163	ug/l #	37
31) Cyclohexane	3.69	56	249	3.208	ug/l #	15
36) 1,1-Dichloropropene	4.30	75	69	1.054	ug/l #	44
37) Ethyl Acetate	4.15	43	527	19.810	ug/l #	14
41) Methacrylonitrile	4.75	41	451	31.293	ug/l #	45
43) Isopropyl Acetate	6.91	43	291	6.500	ug/l #	49
47) Bromodichloromethane	6.46	83	81	1.197	ug/l #	25
48) Methyl methacrylate	6.70	41	526	21.844	ug/l #	18
51) 4-Methyl-2-Pentanone	8.22	43	102	4.158	ug/l #	38
52) Toluene	7.63	92	1554	15.298	ug/l #	73
56) Ethyl methacrylate	8.63	69	62	1.886	ug/l #	1
57) 1,3-Dichloropropane	8.68	76	88	1.699	ug/l #	41
59) 2-Hexanone	9.43	43	204	11.853	ug/l #	27
61) 1,2-Dibromoethane	8.97	107	123	3.847	ug/l #	4

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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

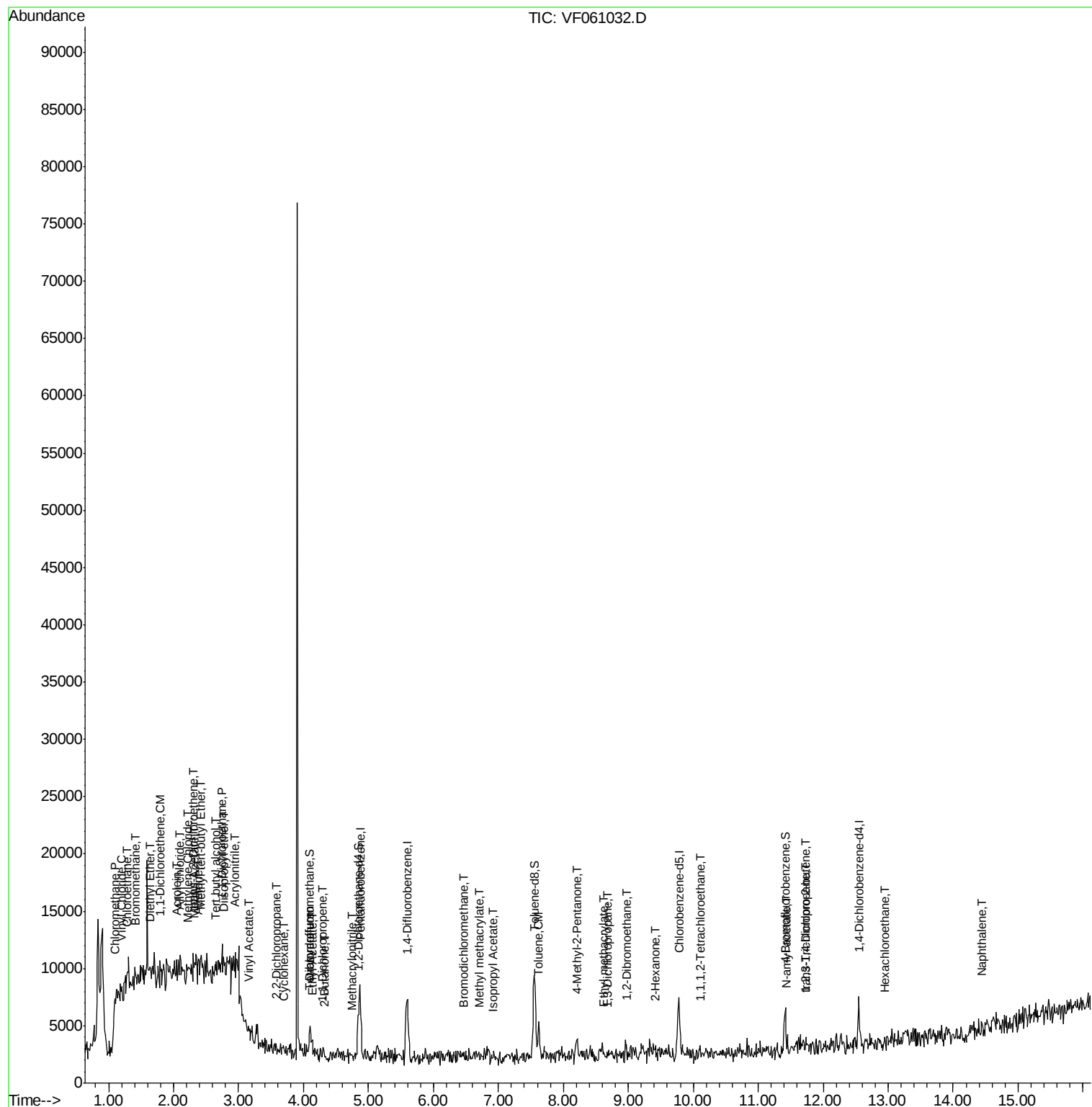
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,1,1,2-Tetrachloroethane	10.10	131	75	2.135	ug/l #	10
74) N-amyl acetate	11.44	43	72	3.296	ug/l #	45
76) 1,2,3-Trichloropropane	11.72	75	81	7.158	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.72	75	81	14.609	ug/l #	16
90) Hexachloroethane	12.96	117	60	2.775	ug/l #	25
95) Naphthalene	14.45	128	595	8.866	ug/l #	69

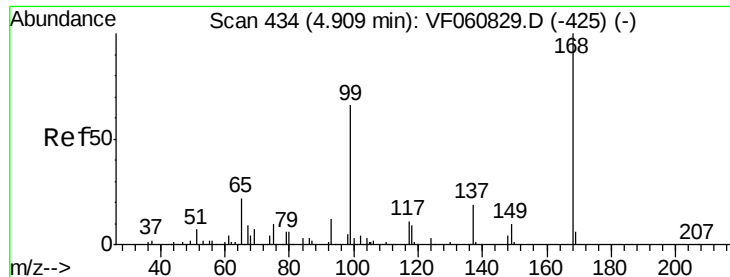
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

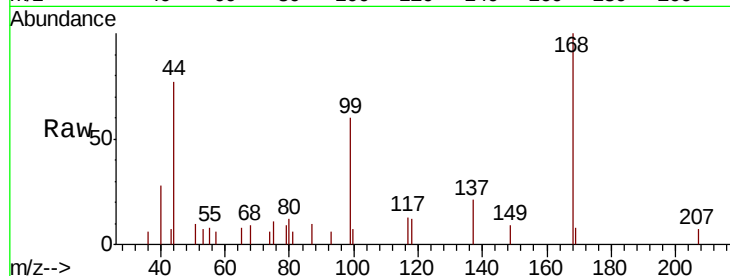
TP-8-ARE

Tgt Ion:168 Resp: 4680

Ion Ratio Lower Upper

168 100

99 60.1 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

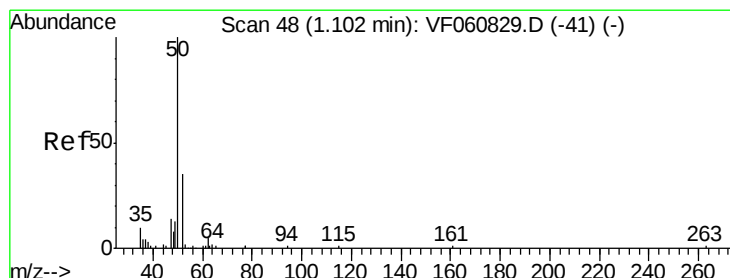
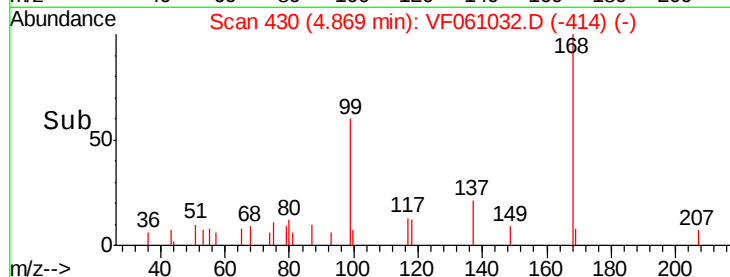
1000

500

0

4.75 4.80 4.85 4.90 4.95

Time-->



#3

Chloromethane

Concen: 5.622 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061032.D

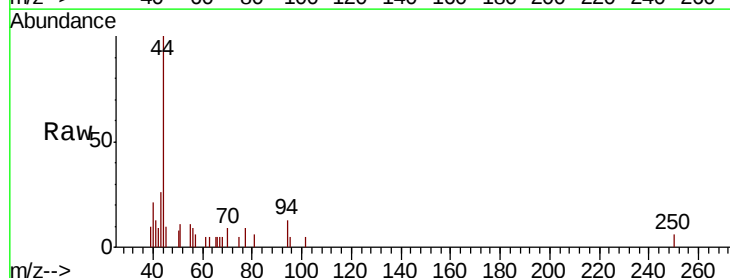
Acq: 14 Dec 2018 21:01

Tgt Ion: 50 Resp: 256

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

250

200

150

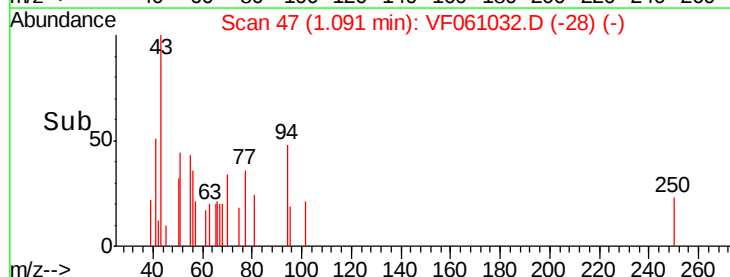
100

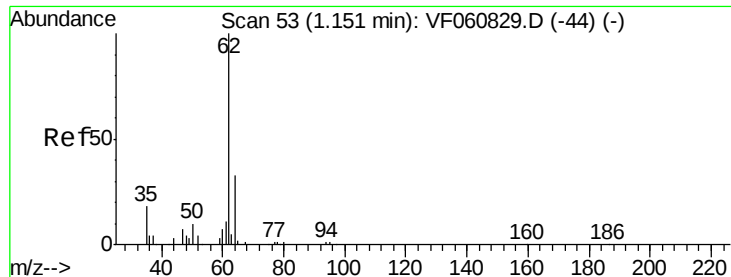
50

0

1.06 1.08 1.10 1.12

Time-->





#4

Vinyl Chloride

Concen: 2.802 ug/l

RT: 1.21 min Scan# 59

Delta R.T. 0.06 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

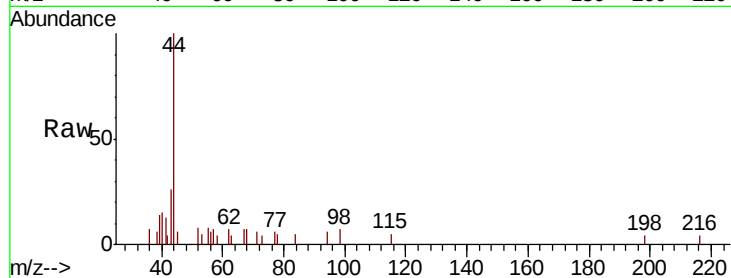
TP-8-ARE

Tgt Ion: 62 Resp: 119

Ion Ratio Lower Upper

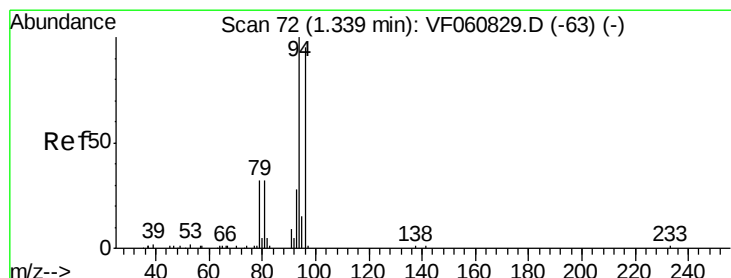
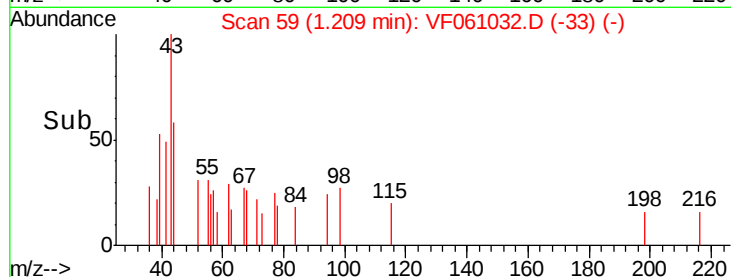
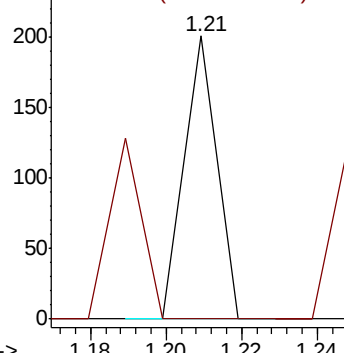
62 100

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: 26.979 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.08 min

Lab File: VF061032.D

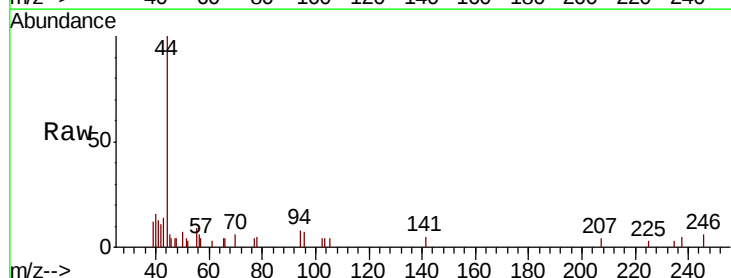
Acq: 14 Dec 2018 21:01

Tgt Ion: 94 Resp: 808

Ion Ratio Lower Upper

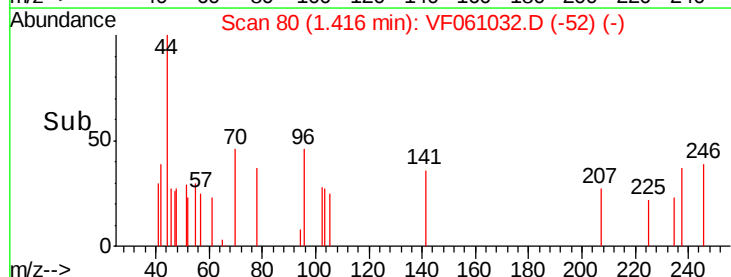
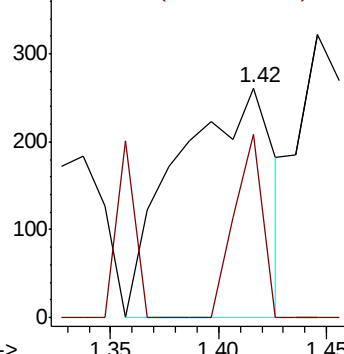
94 100

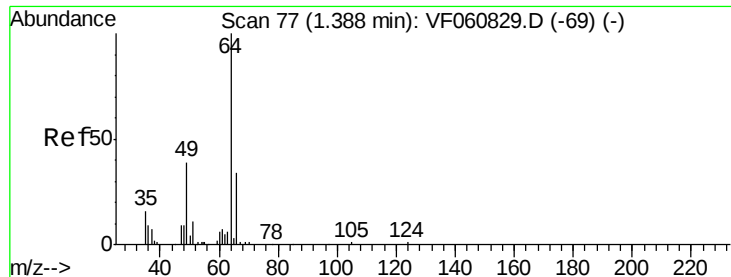
96 79.7 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 3.431 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.10 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

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ClientSampleId :

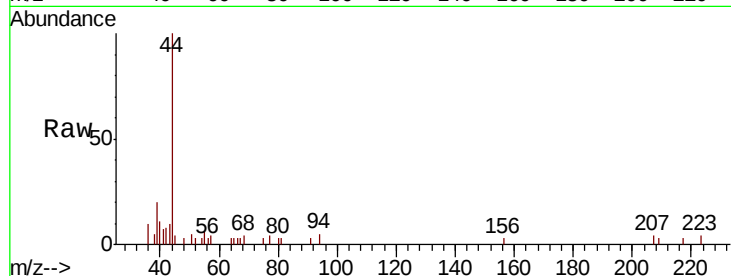
TP-8-ARE

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

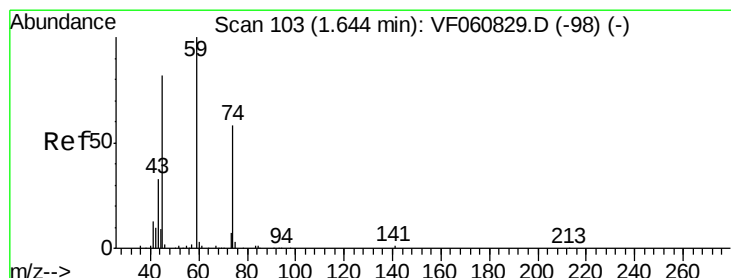
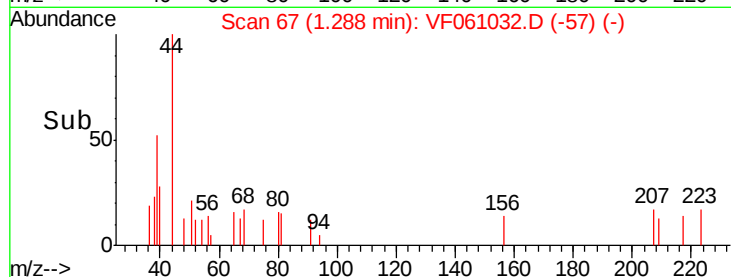
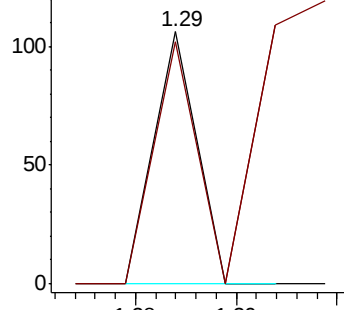
64 100

66 96.2 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: 4.808 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF061032.D

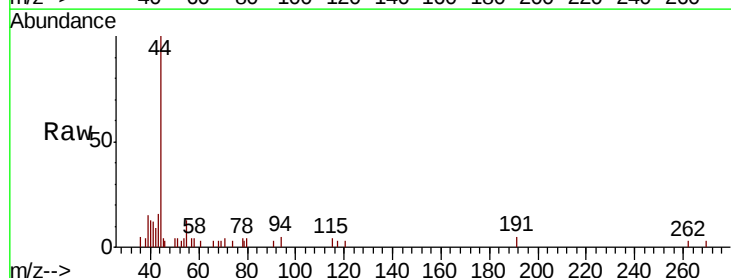
Acq: 14 Dec 2018 21:01

Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

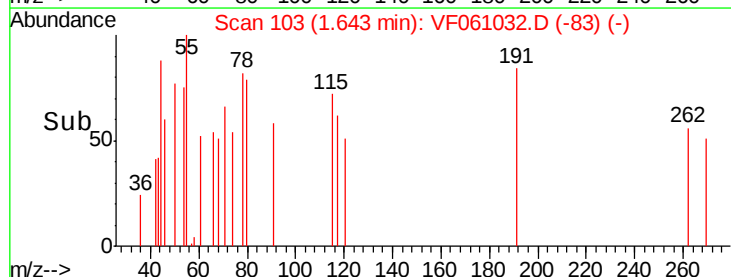
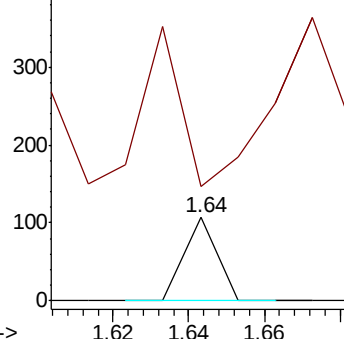
74 100

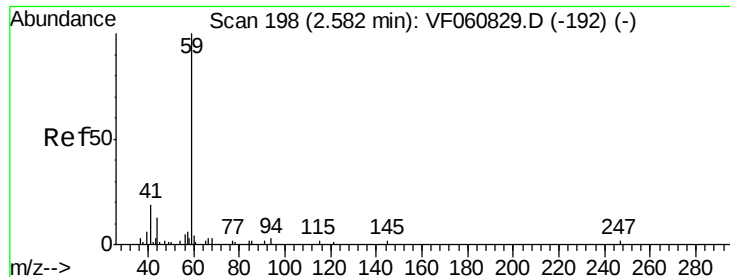
45 136.4 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



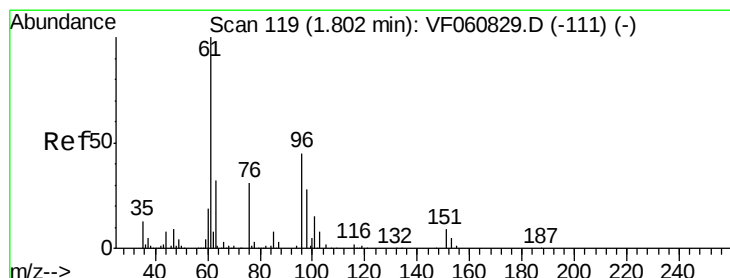
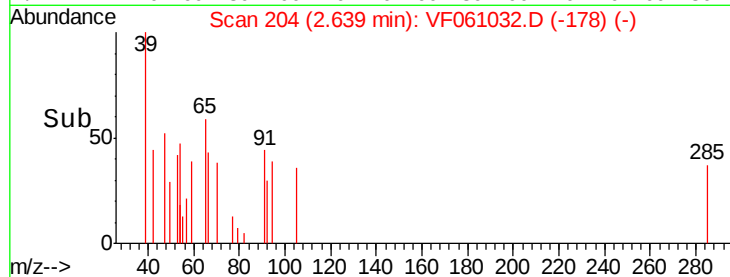
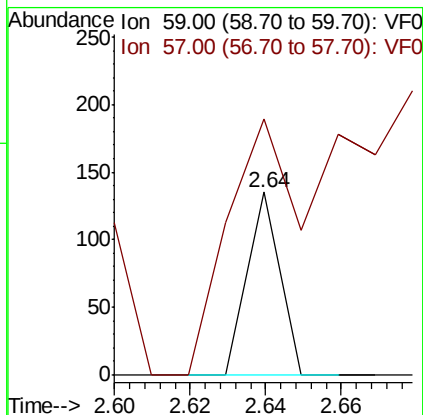
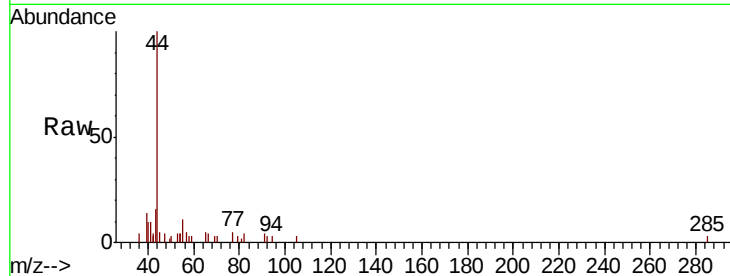


#11

Tert butyl alcohol
Concen: 35.398 ug/l
RT: 2.64 min Scan# 204
Delta R.T. 0.06 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

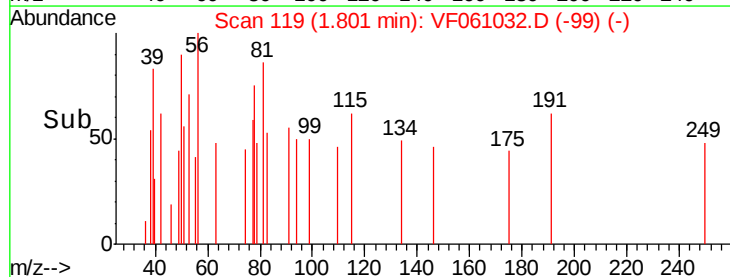
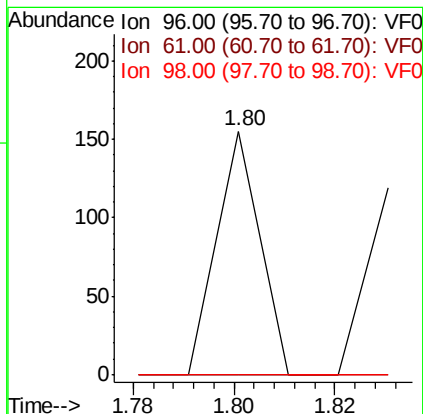
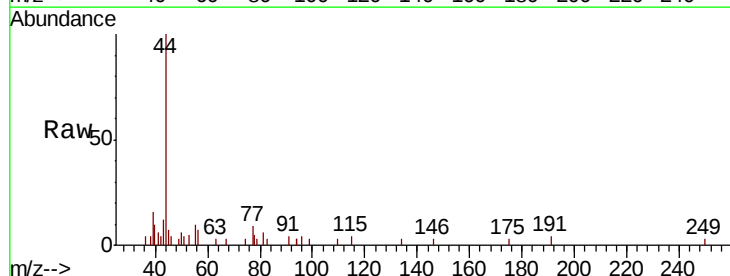
Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 140.0 12.7 19.1#

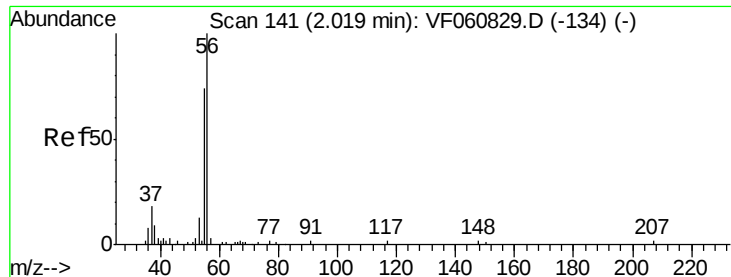


#12

1,1-Dichloroethene
Concen: 2.483 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion: 96 Resp: 92
Ion Ratio Lower Upper
96 100
61 0.0 177.3 265.9#
98 0.0 49.6 74.4#





#13

Acrolein

Concen: 353.529 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

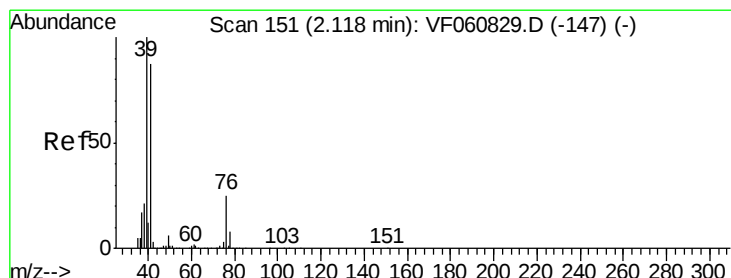
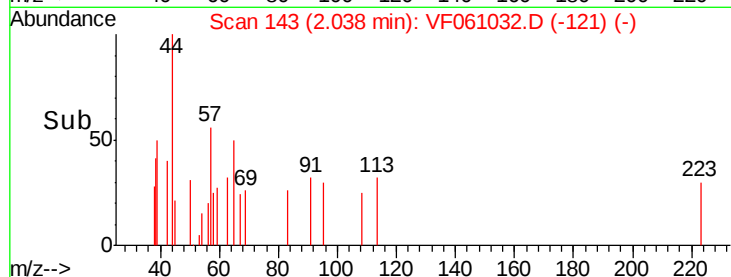
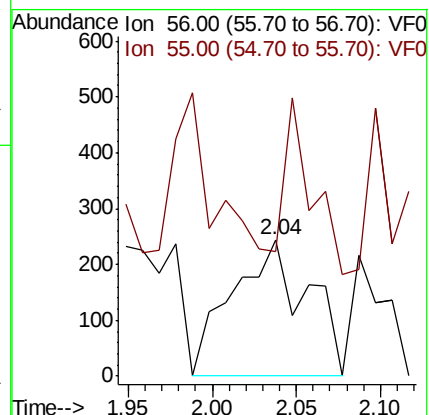
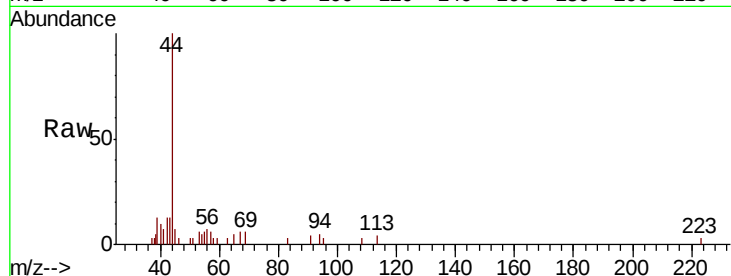
TP-8-ARE

Tgt Ion: 56 Resp: 757

Ion Ratio Lower Upper

56 100

55 91.4 61.2 91.8



#14

Allyl chloride

Concen: 9.938 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

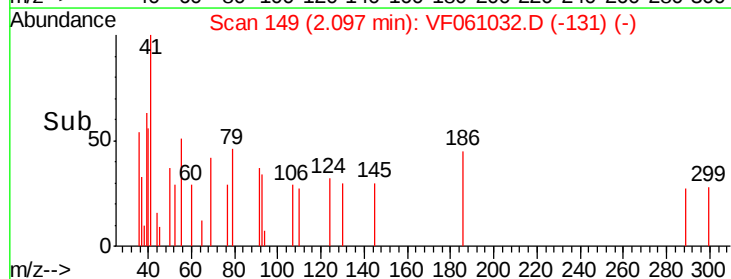
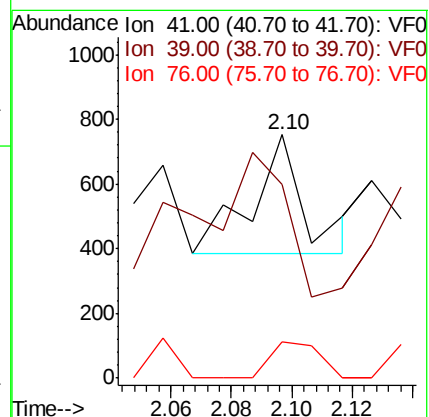
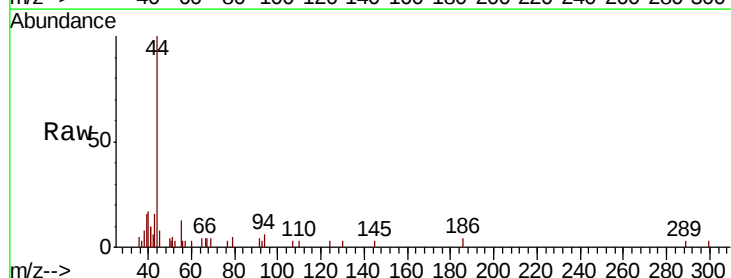
Tgt Ion: 41 Resp: 459

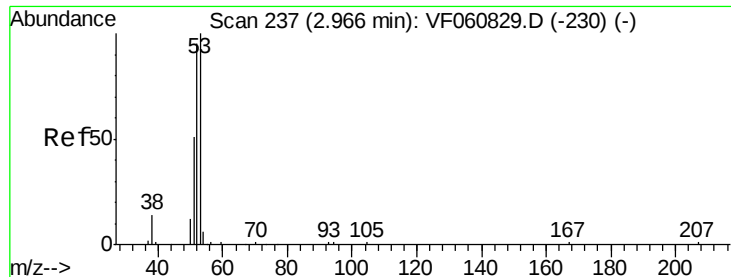
Ion Ratio Lower Upper

41 100

39 79.4 91.7 137.5#

76 14.6 23.5 35.3#

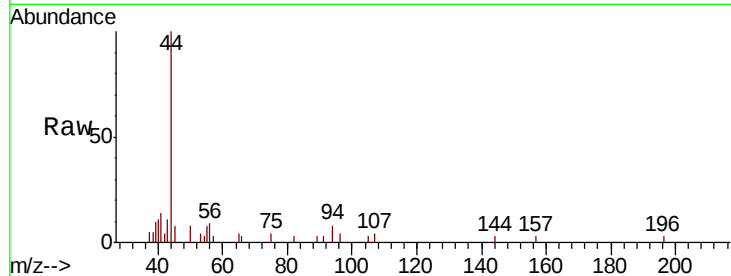




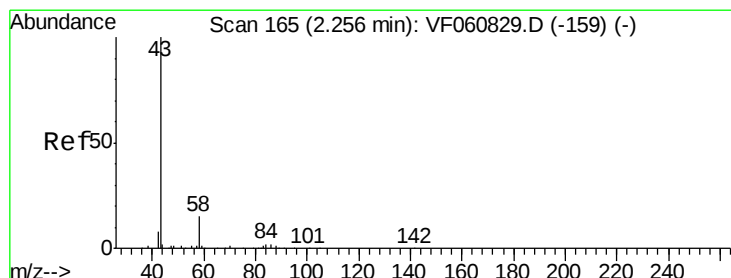
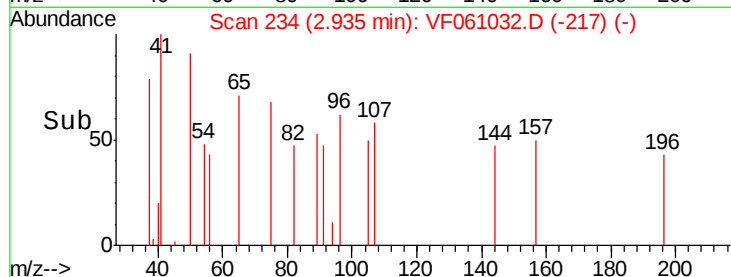
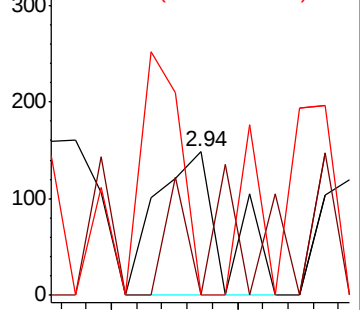
#15
Acrylonitrile
Concen: 55.460 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.03 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

Tgt Ion: 53 Resp: 281
Ion Ratio Lower Upper
53 100
52 0.0 76.5 114.7#
51 0.0 40.7 61.1#

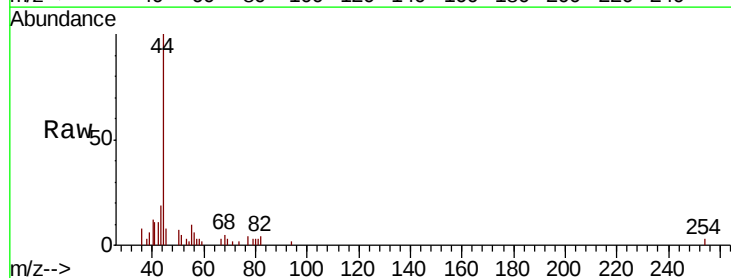


Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0

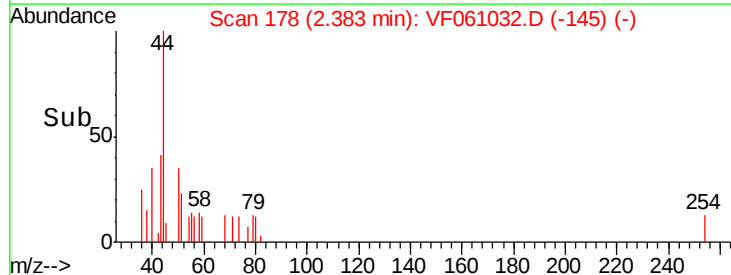
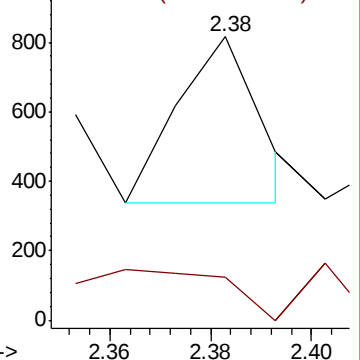


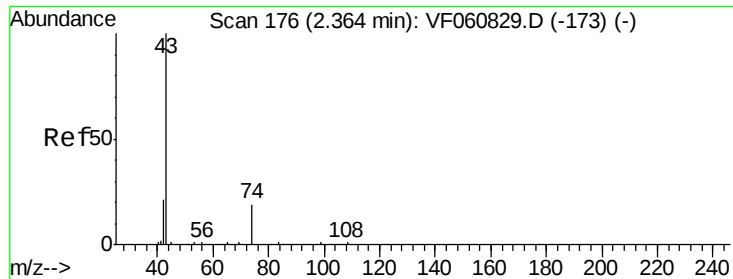
#16
Acetone
Concen: 52.721 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.13 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 15.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

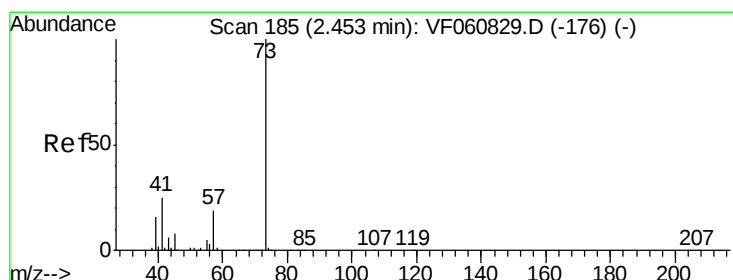
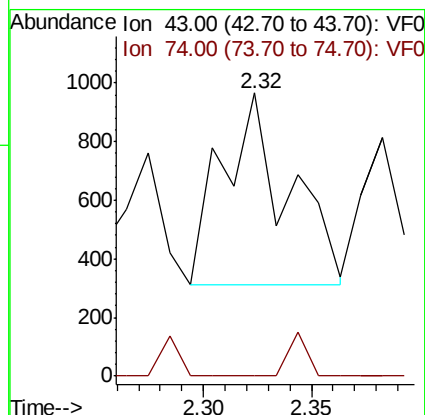
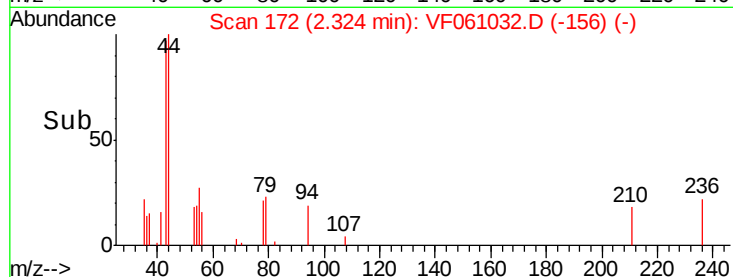
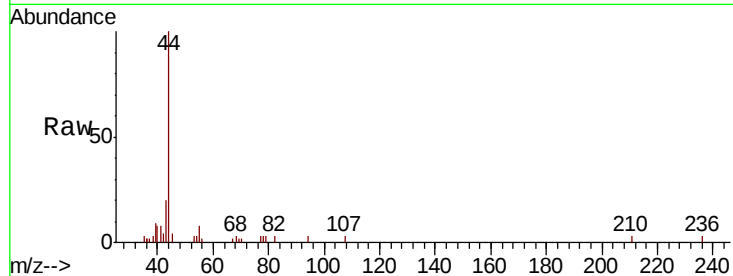




#18
Methyl Acetate
Concen: 82.752 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.04 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

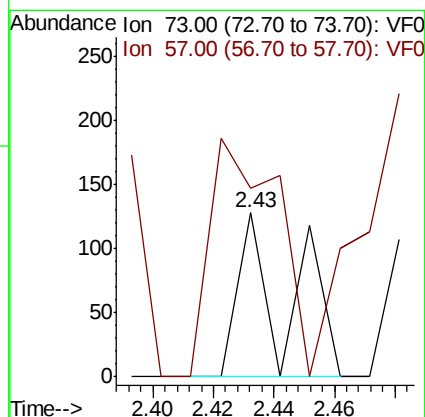
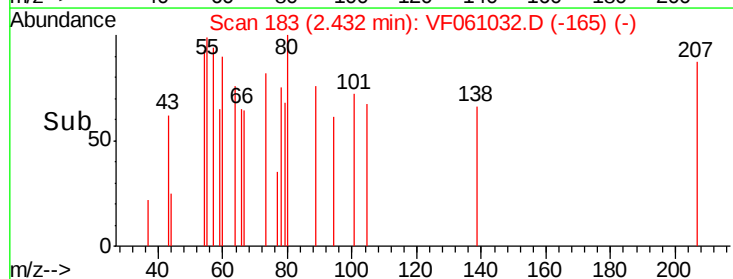
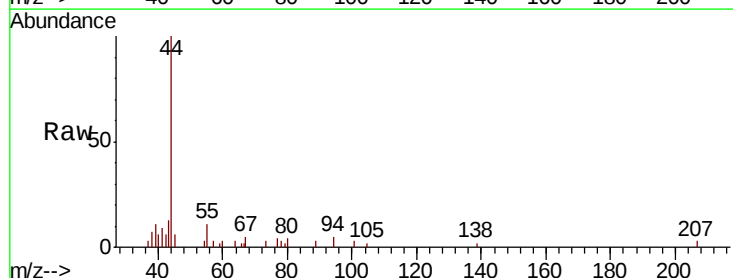
Instrument :
MSVOA_F
ClientSampled :
TP-8-ARE

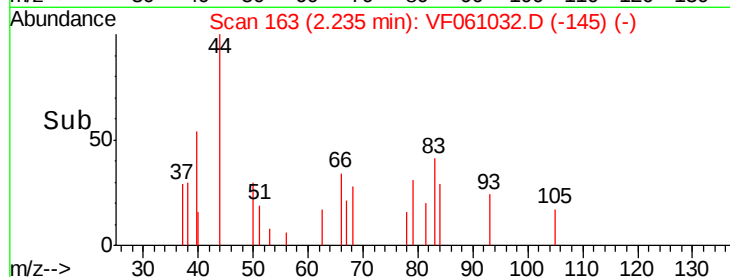
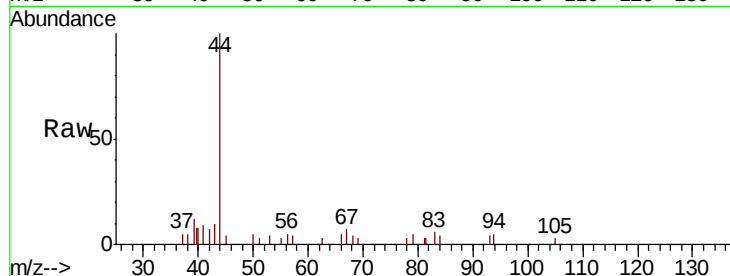
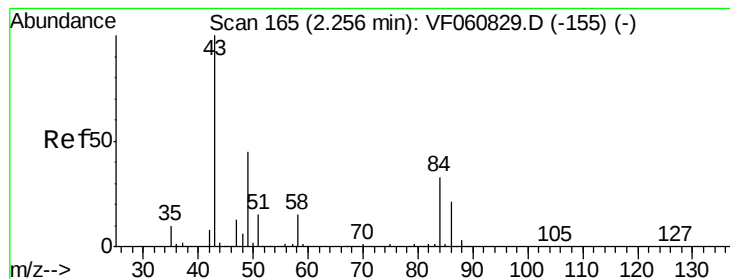
Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#19
Methyl tert-butyl Ether
Concen: 1.749 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion: 73 Resp: 146
Ion Ratio Lower Upper
73 100
57 114.8 15.3 22.9#





#20

Methylene Chloride

Concen: 2.842 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

TP-8-ARE

Tgt Ion: 84 Resp: 106

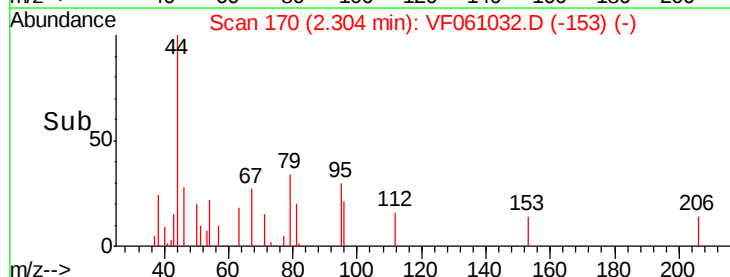
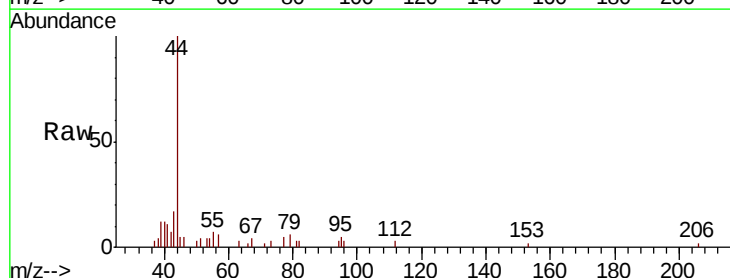
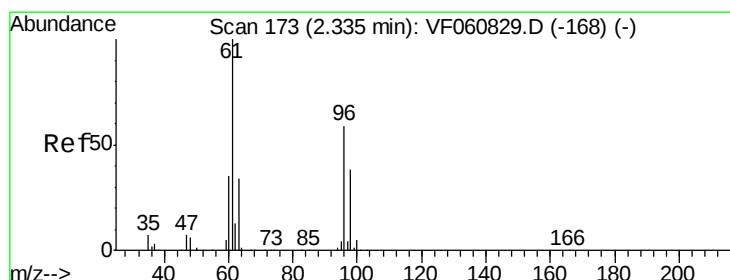
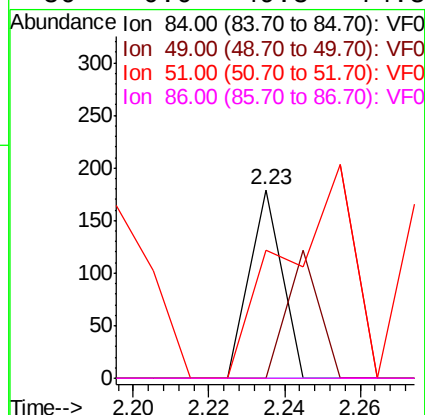
Ion Ratio Lower Upper

84 100

49 0.0 111.3 166.9#

51 68.2 38.0 57.0#

86 0.0 49.8 74.8#



#21

trans-1,2-Dichloroethene

Concen: 2.519 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

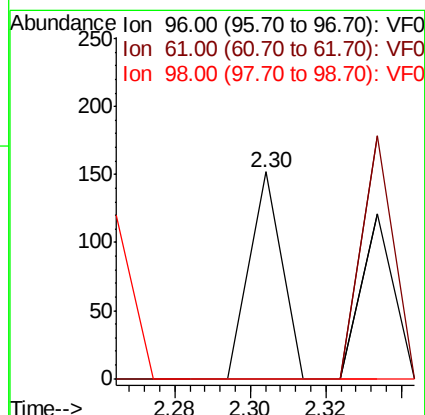
Tgt Ion: 96 Resp: 90

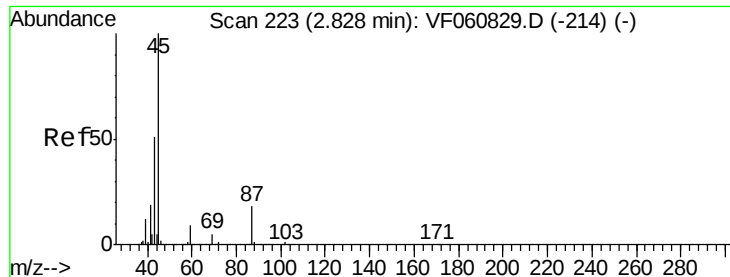
Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

98 0.0 51.6 77.4#

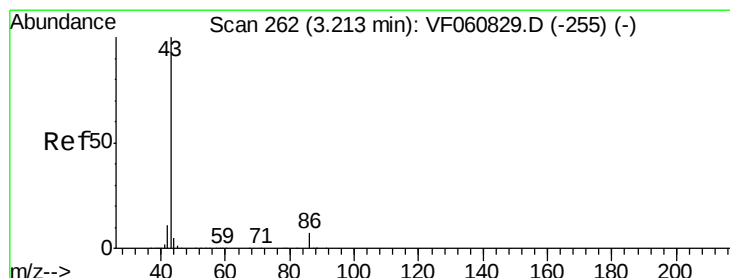
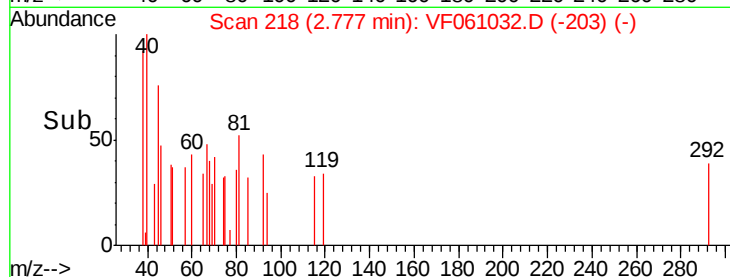
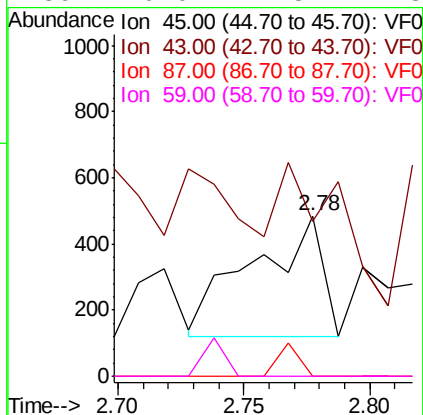
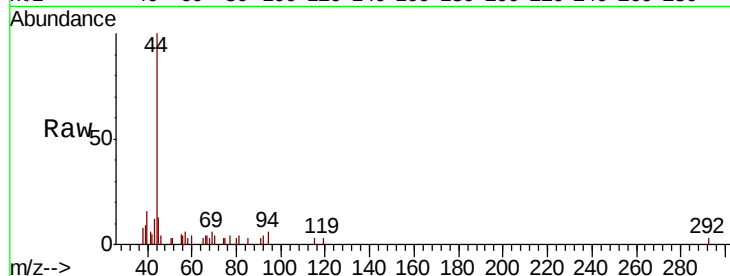




#22
Diisopropyl ether
Concen: 5.631 ug/l
RT: 2.78 min Scan# 218
Delta R.T. -0.05 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

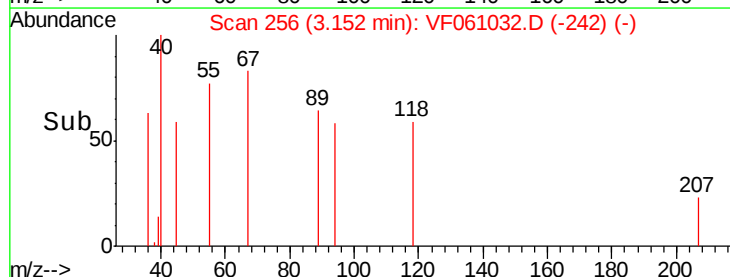
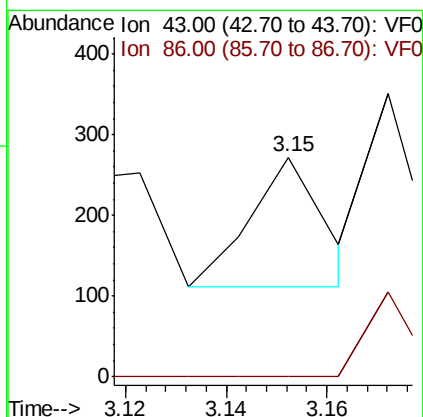
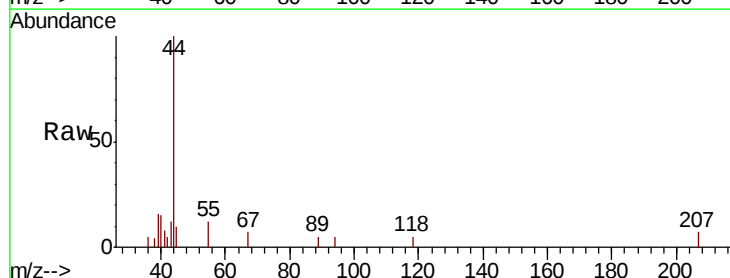
Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

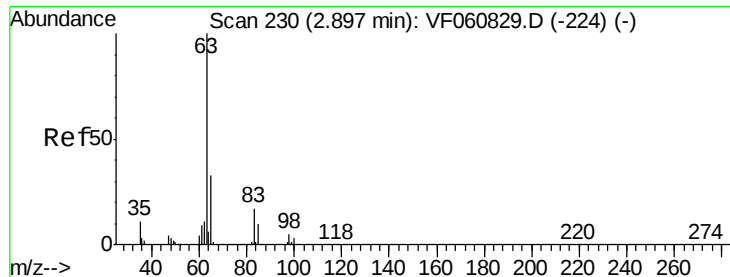
Tgt Ion:	45	Resp:	708
Ion	Ratio	Lower	Upper
45	100		
43	96.9	41.0	61.6#
87	0.0	14.6	22.0#
59	0.0	7.5	11.3#



#23
Vinyl Acetate
Concen: 2.836 ug/l
RT: 3.15 min Scan# 256
Delta R.T. -0.06 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion:	43	Resp:	163
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.4	8.0#





#24

1,1-Dichloroethane

Concen: 2.340 ug/l

RT: 2.76 min Scan# 216

Delta R.T. -0.14 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

TP-8-ARE

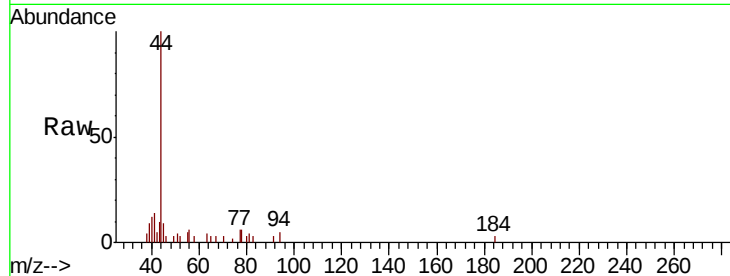
Tgt Ion: 63 Resp: 175

Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

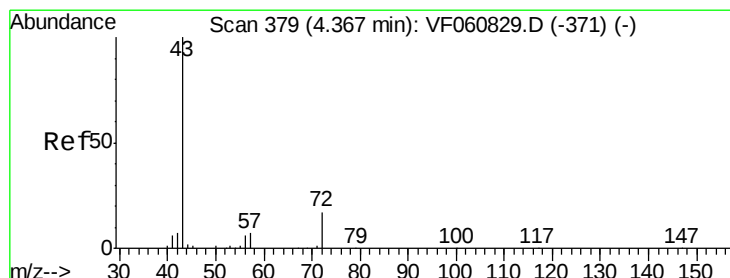
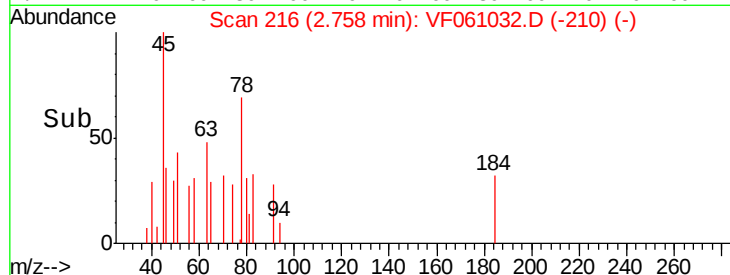
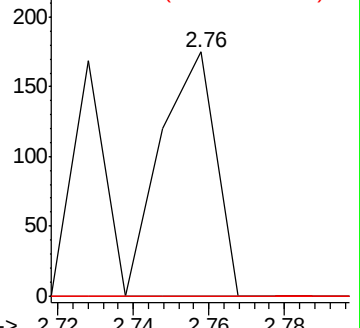
100 0.0 1.5 4.5#



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: 18.198 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF061032.D

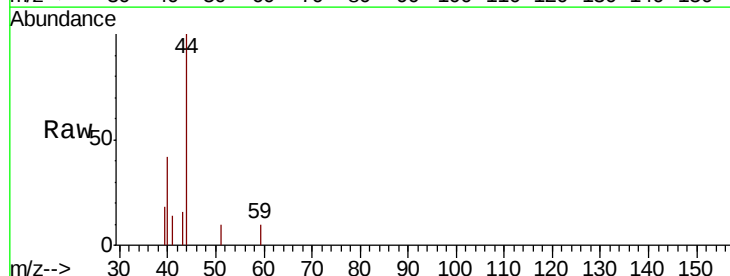
Acq: 14 Dec 2018 21:01

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

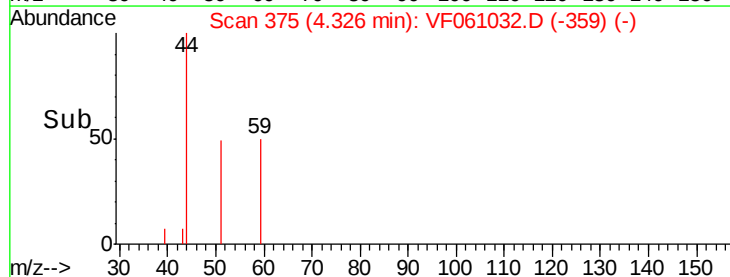
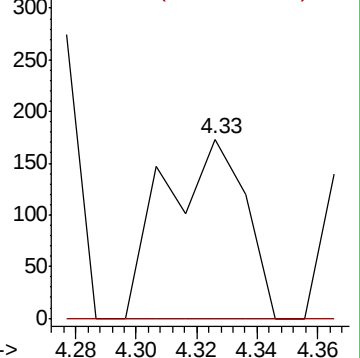
43 100

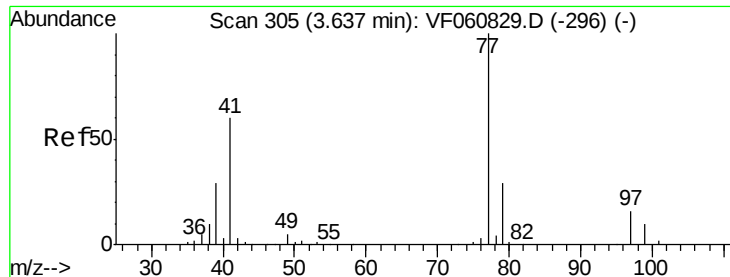
72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 2.763 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

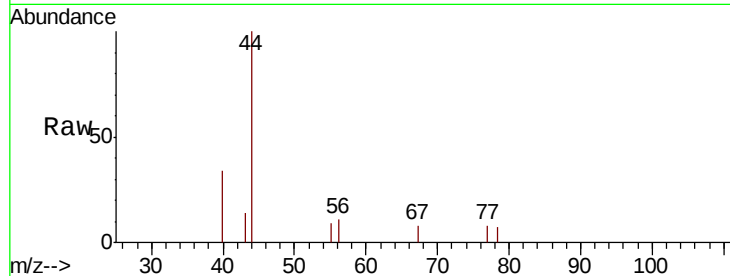
TP-8-ARE

Tgt Ion: 77 Resp: 134

Ion Ratio Lower Upper

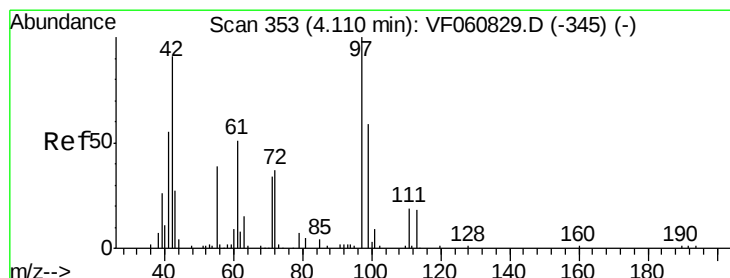
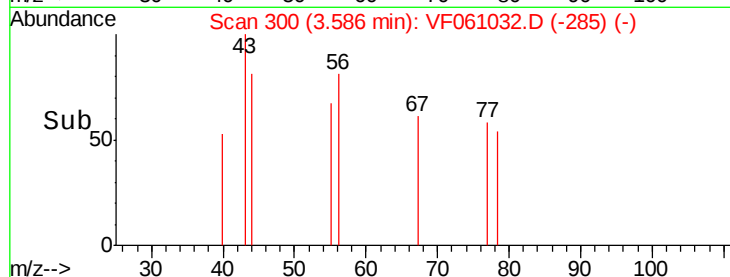
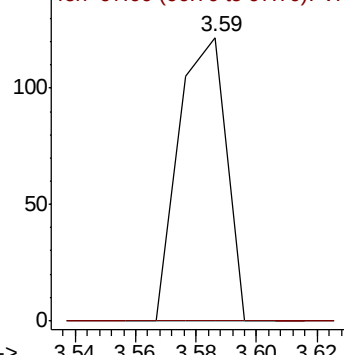
77 100

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



#29

Tetrahydrofuran

Concen: 48.163 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

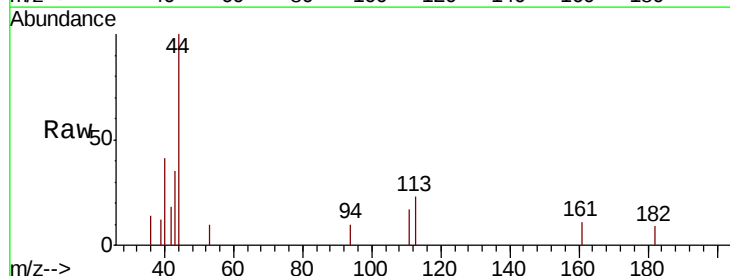
Tgt Ion: 42 Resp: 359

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

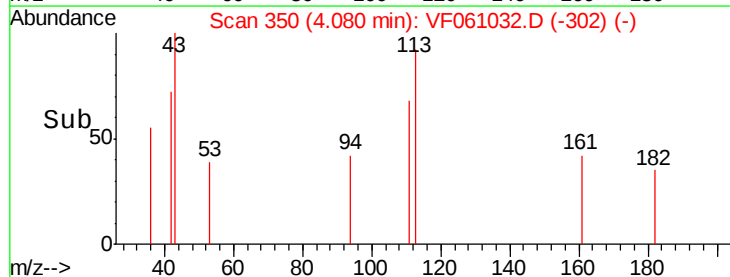
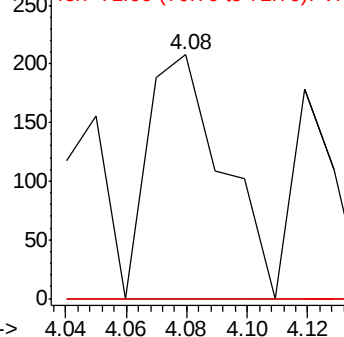
71 0.0 28.7 43.1#

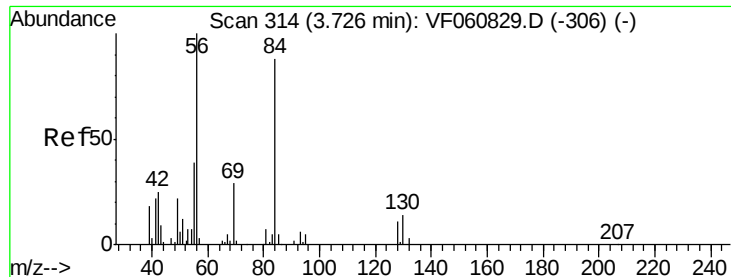


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

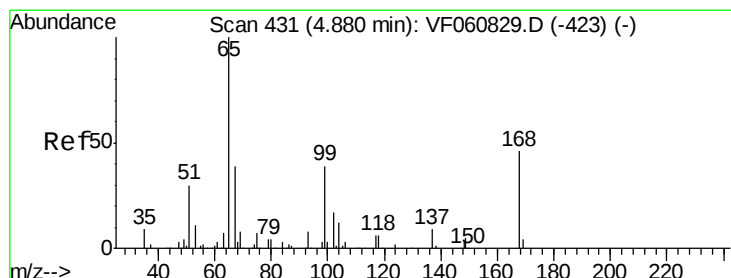
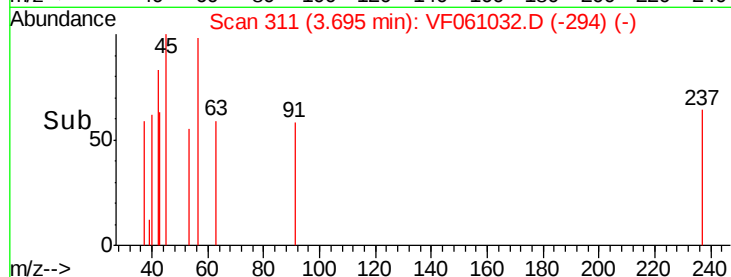
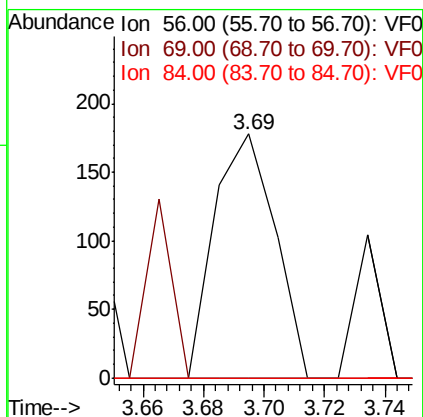
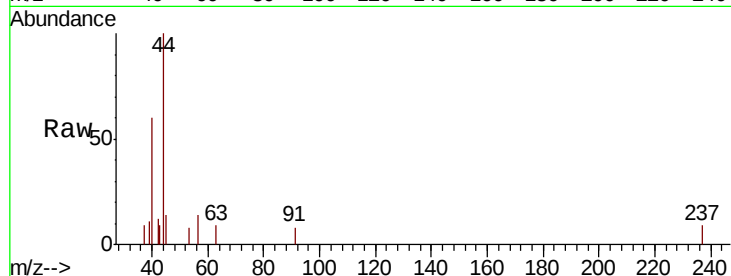




#31
Cyclohexane
Concen: 3.208 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

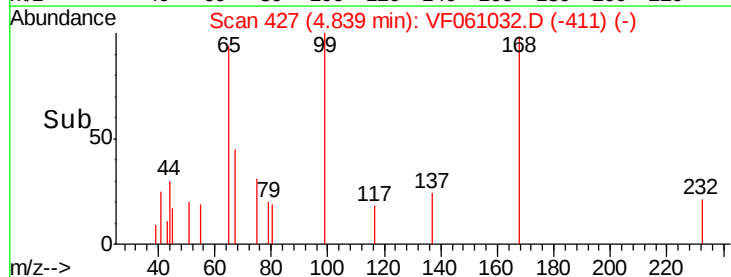
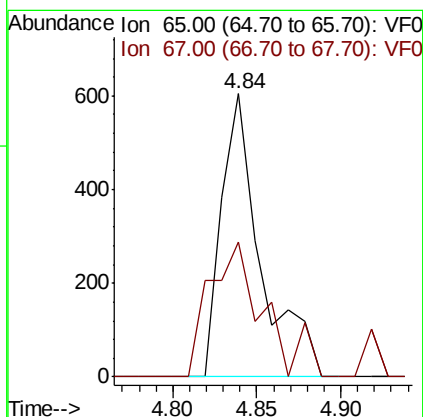
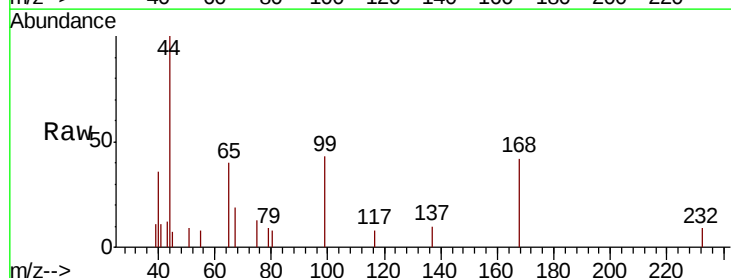
Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

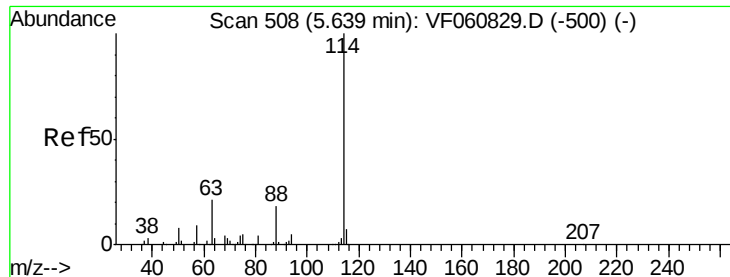
Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 17.739 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion: 65 Resp: 978
Ion Ratio Lower Upper
65 100
67 47.7 0.0 96.4

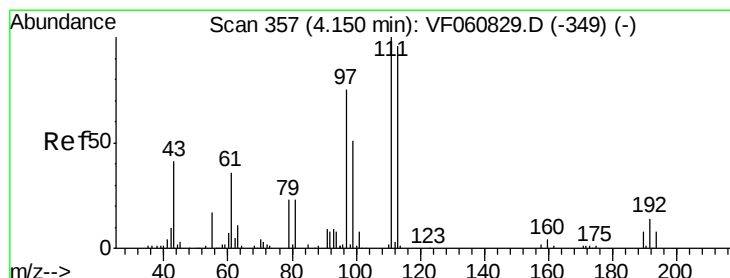
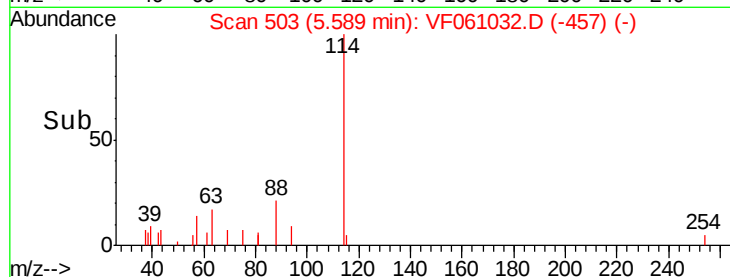
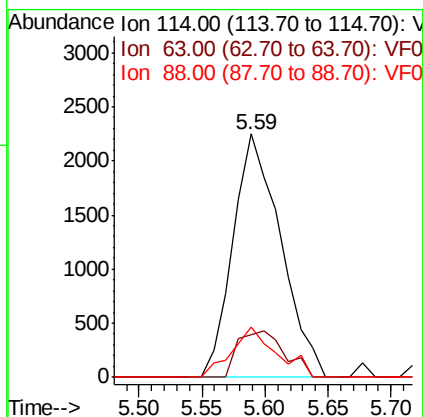
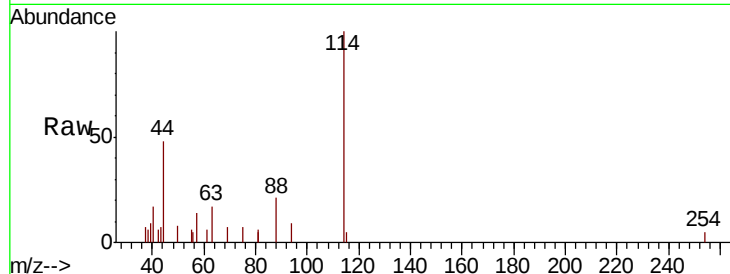




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061032.D
 Acq: 14 Dec 2018 21:01

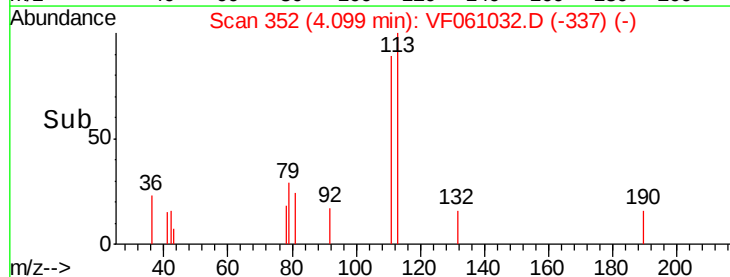
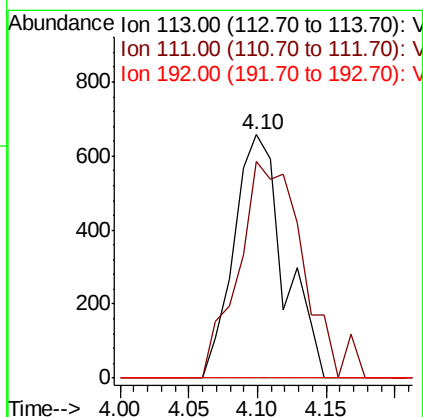
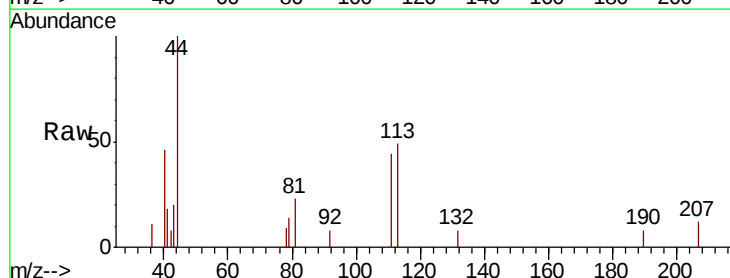
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-8-ARE

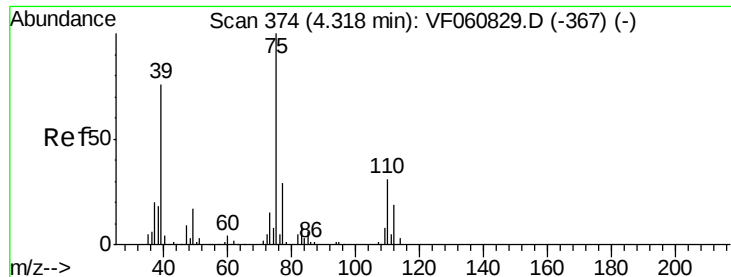
Tgt Ion:114 Resp: 5902
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 41.6
 88 20.8 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 35.688 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF061032.D
 Acq: 14 Dec 2018 21:01

Tgt Ion:113 Resp: 1671
 Ion Ratio Lower Upper
 113 100
 111 89.1 83.0 124.6
 192 0.0 12.3 18.5#





#36

1,1-Dichloropropene

Concen: 1.054 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.02 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

TP-8-ARE

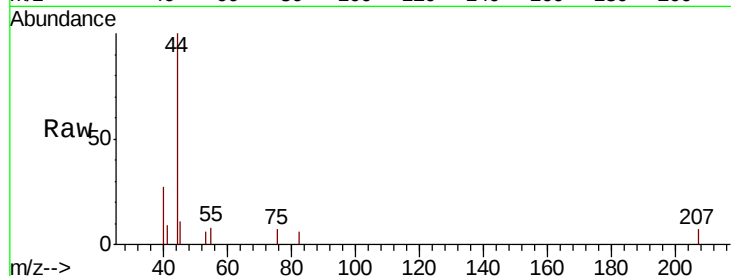
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

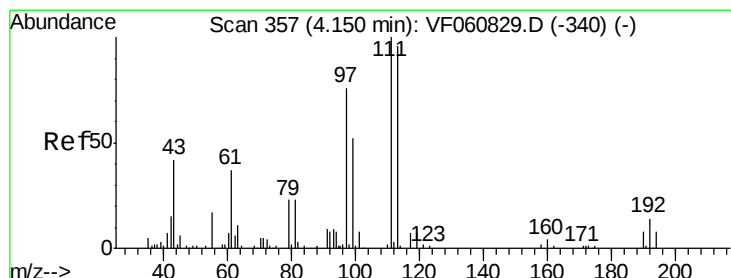
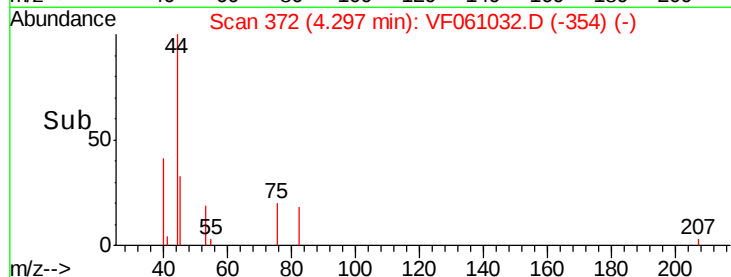
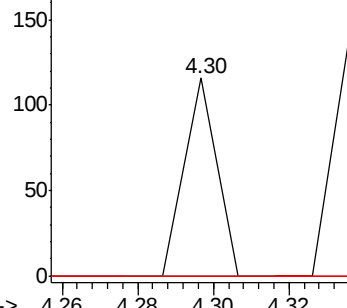
77 0.0 23.4 35.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 19.810 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

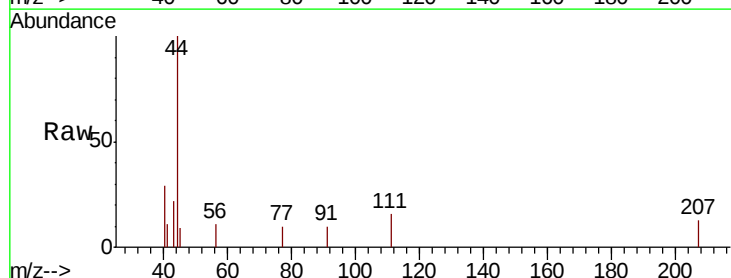
Tgt Ion: 43 Resp: 527

Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

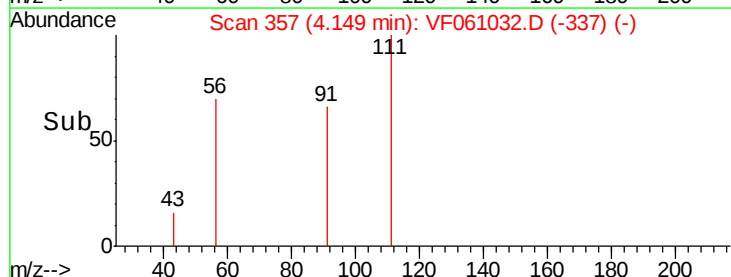
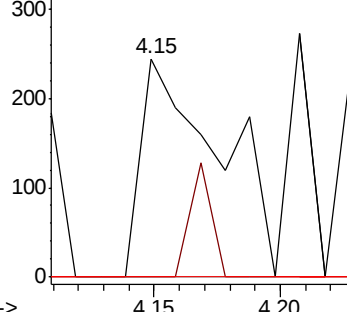
70 0.0 9.0 13.4#

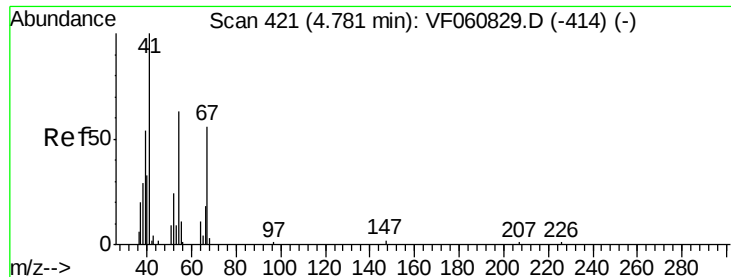


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

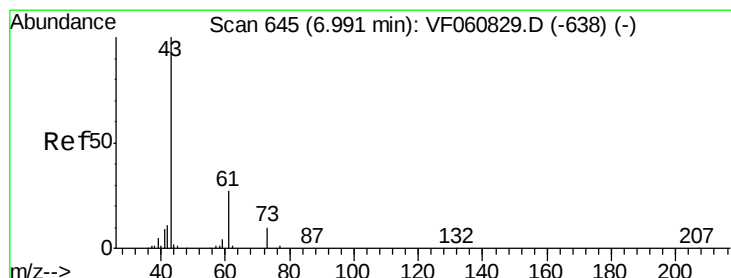
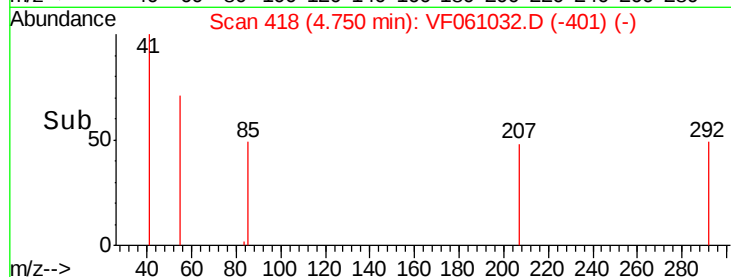
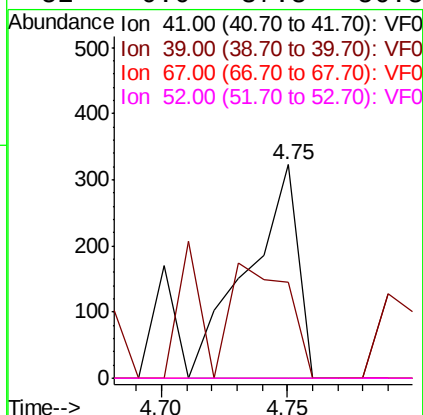
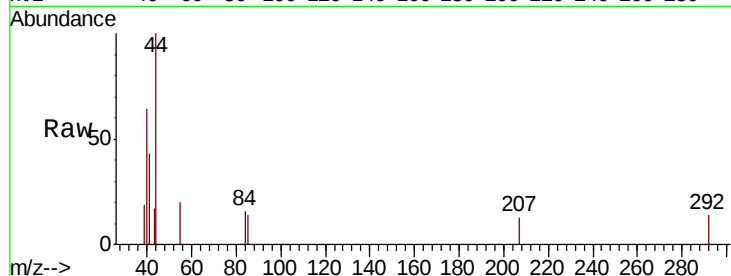




#41
Methacrylonitrile
Concen: 31.293 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

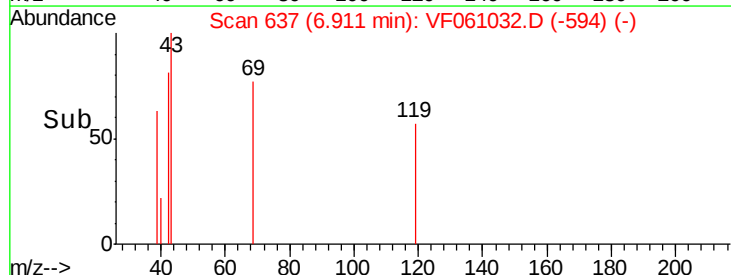
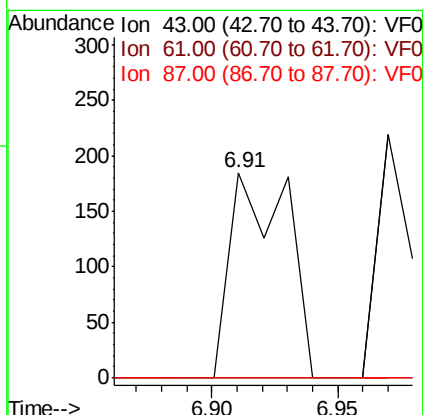
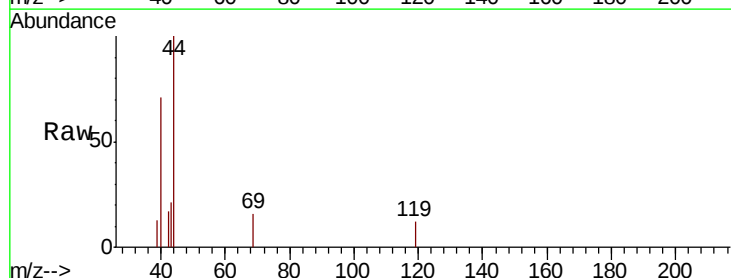
Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

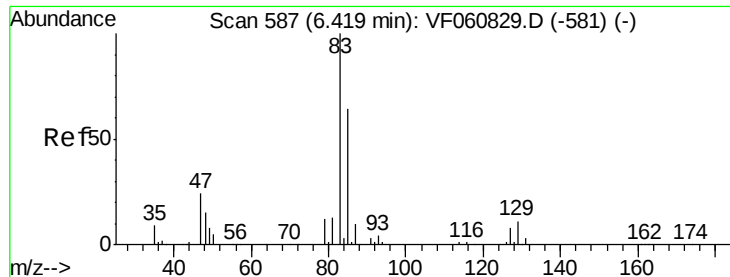
Tgt Ion:	41	Resp:	451
Ion	Ratio	Lower	Upper
41	100		
39	44.9	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: 6.500 ug/l
RT: 6.91 min Scan# 637
Delta R.T. -0.08 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion:	43	Resp:	291
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#





#47

Bromodichloromethane

Concen: 1.197 ug/l

RT: 6.46 min Scan# 591

Delta R.T. 0.04 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

TP-8-ARE

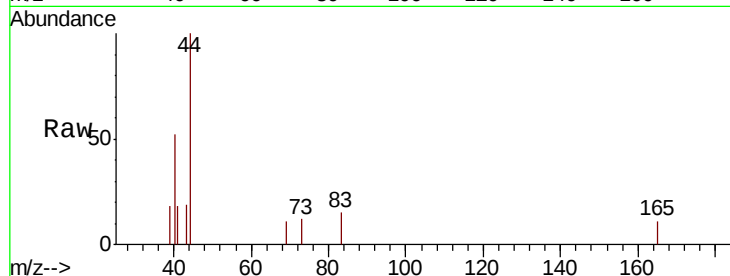
Tgt Ion: 83 Resp: 81

Ion Ratio Lower Upper

83 100

85 0.0 51.1 76.7#

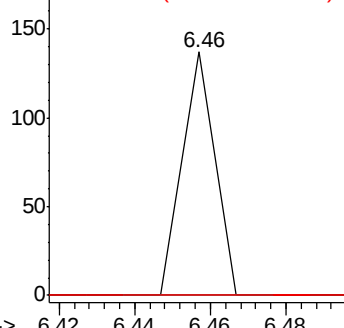
127 0.0 6.8 10.2#



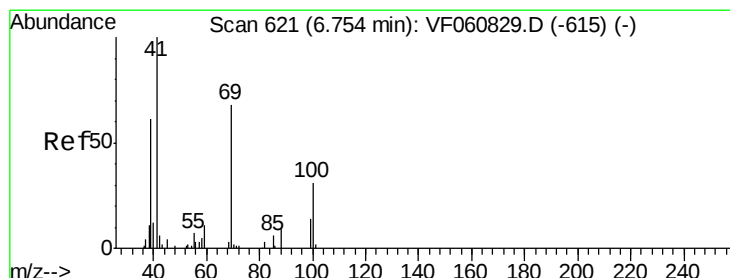
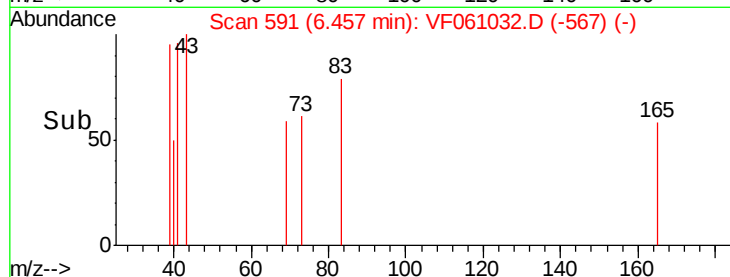
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 21.844 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.05 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

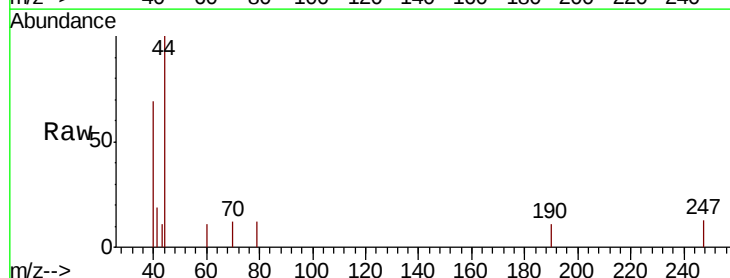
Tgt Ion: 41 Resp: 526

Ion Ratio Lower Upper

41 100

69 0.0 53.9 80.9#

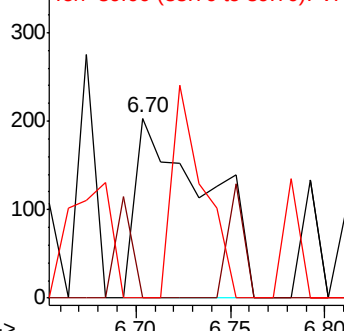
39 0.0 49.0 73.6#



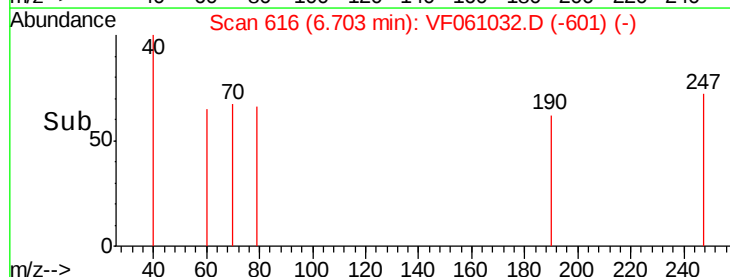
Abundance Ion 41.00 (40.70 to 41.70): VF0

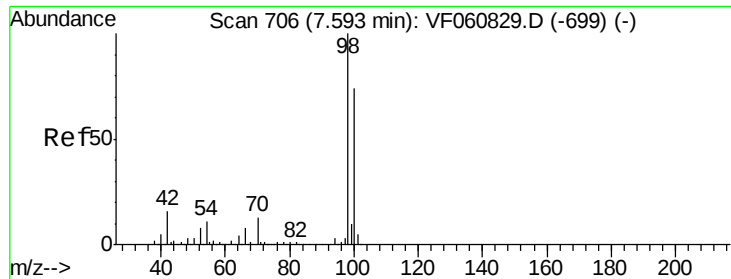
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#50

Toluene-d8

Concen: 46.779 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

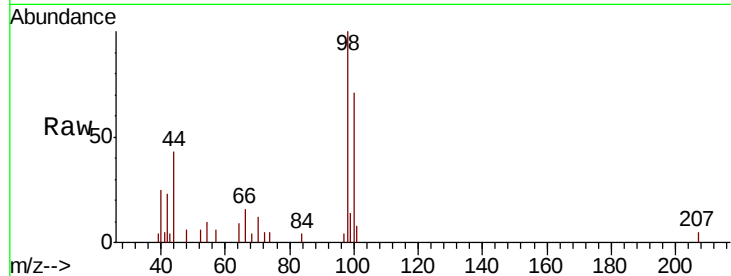
TP-8-ARE

Tgt Ion: 98 Resp: 6452

Ion Ratio Lower Upper

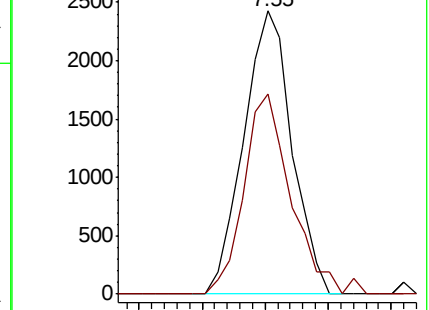
98 100

100 70.7 59.3 88.9

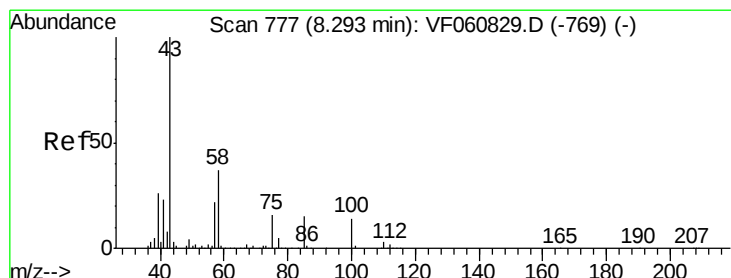
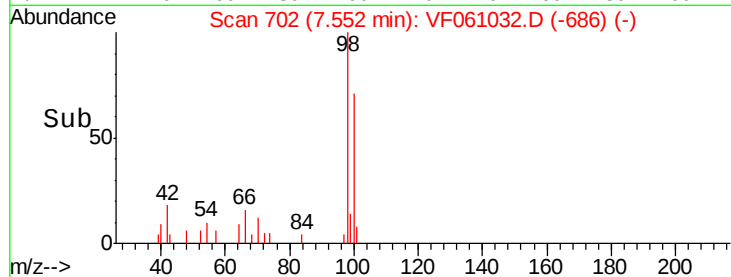


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time--> 7.45 7.50 7.55 7.60 7.65



#51

4-Methyl-2-Pentanone

Concen: 4.158 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.07 min

Lab File: VF061032.D

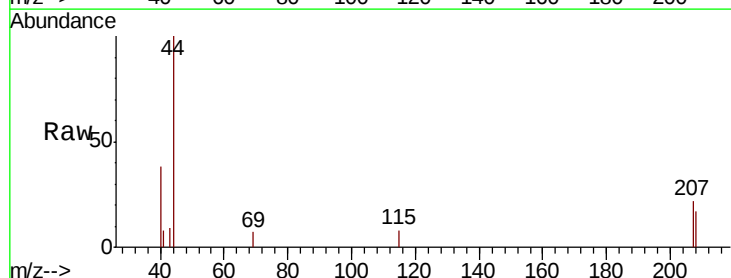
Acq: 14 Dec 2018 21:01

Tgt Ion: 43 Resp: 102

Ion Ratio Lower Upper

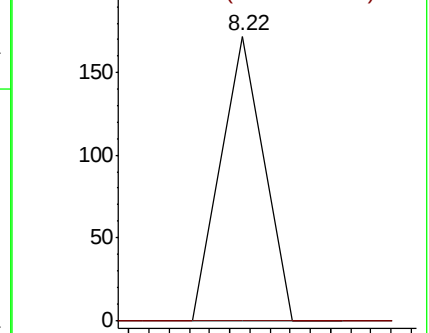
43 100

58 0.0 29.7 44.5#

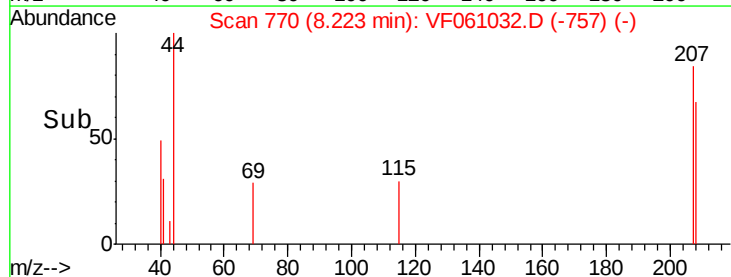


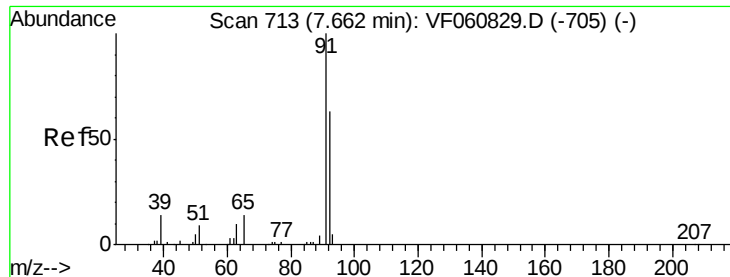
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.20 8.22 8.24





#52

Toluene

Concen: 15.298 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

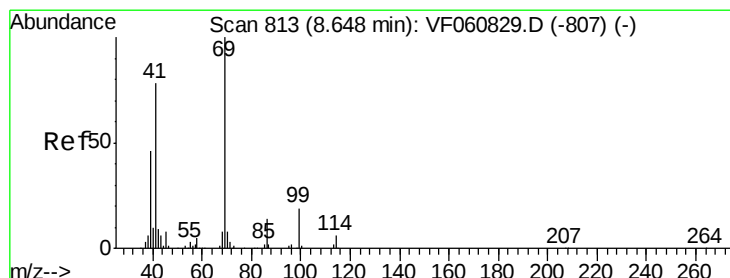
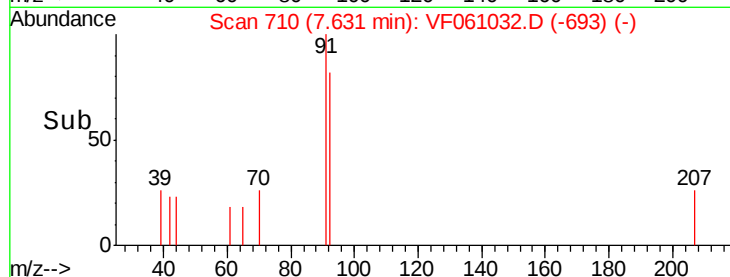
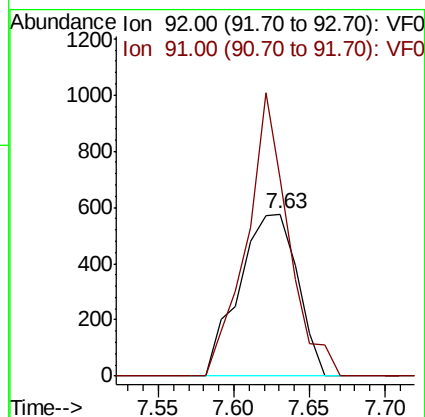
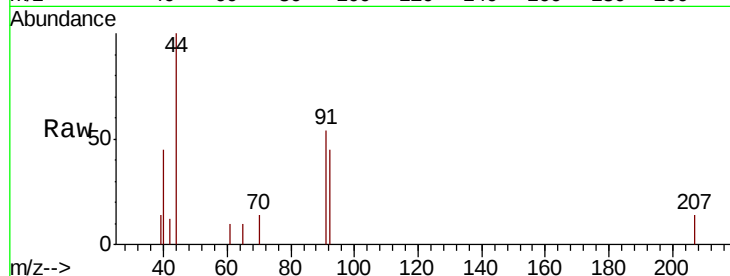
TP-8-ARE

Tgt Ion: 92 Resp: 1554

Ion Ratio Lower Upper

92 100

91 122.0 126.2 189.2#



#56

Ethyl methacrylate

Concen: 1.886 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

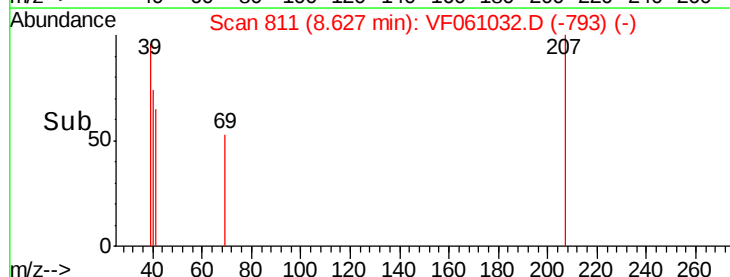
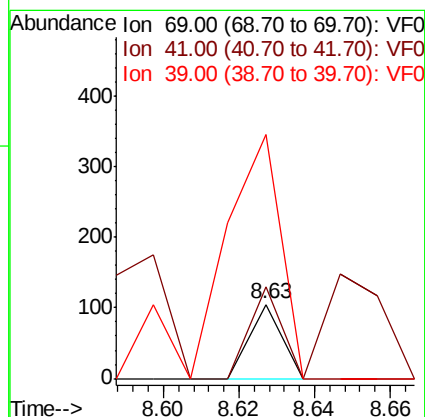
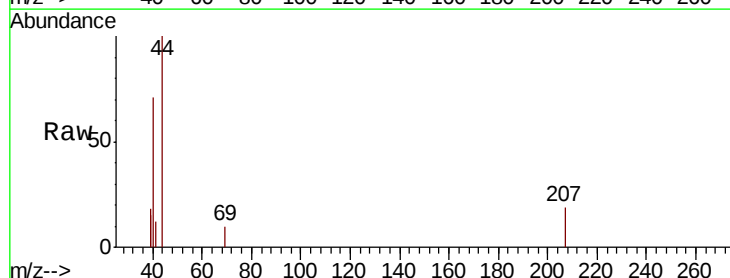
Tgt Ion: 69 Resp: 62

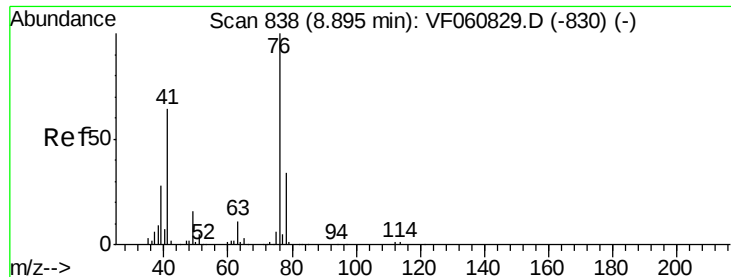
Ion Ratio Lower Upper

69 100

41 122.9 62.6 94.0#

39 329.5 37.8 56.6#





#57

1,3-Dichloropropane

Concen: 1.699 ug/l

RT: 8.68 min Scan# 816

Delta R.T. -0.22 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

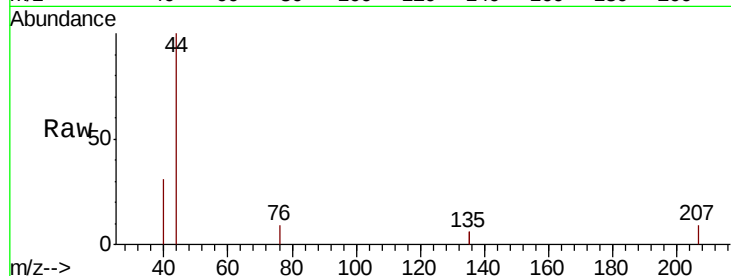
TP-8-ARE

Tgt Ion: 76 Resp: 88

Ion Ratio Lower Upper

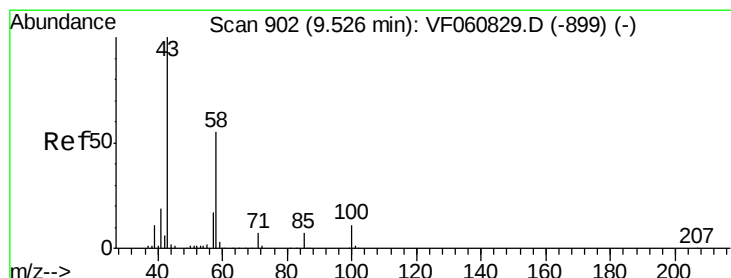
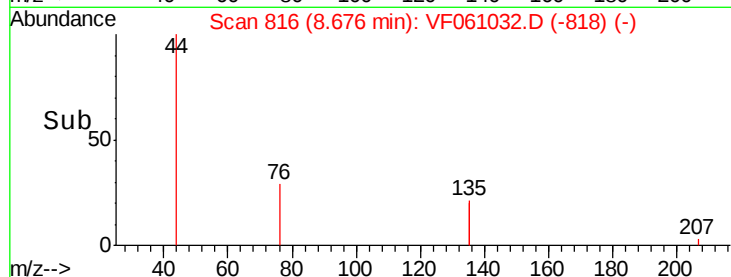
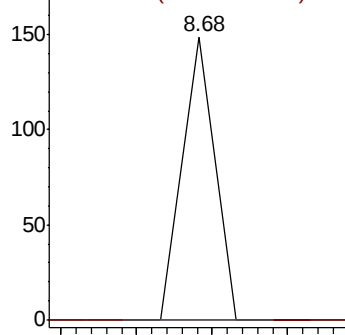
76 100

78 0.0 27.0 40.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#59

2-Hexanone

Concen: 11.853 ug/l

RT: 9.43 min Scan# 892

Delta R.T. -0.10 min

Lab File: VF061032.D

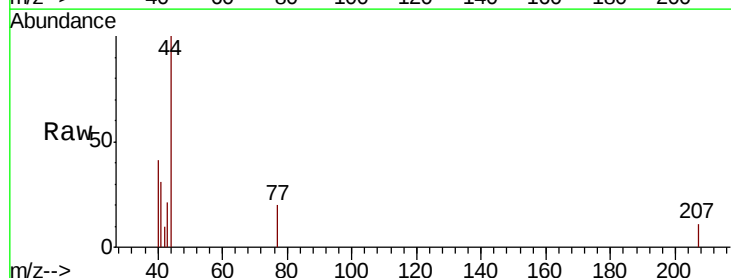
Acq: 14 Dec 2018 21:01

Tgt Ion: 43 Resp: 204

Ion Ratio Lower Upper

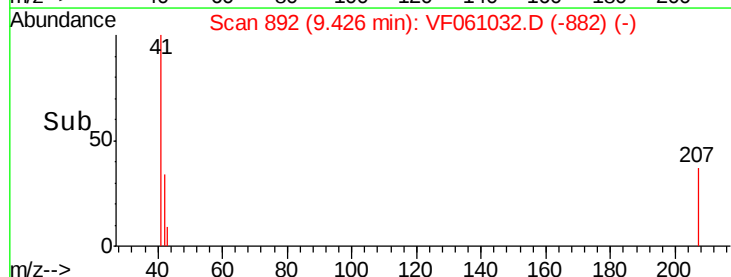
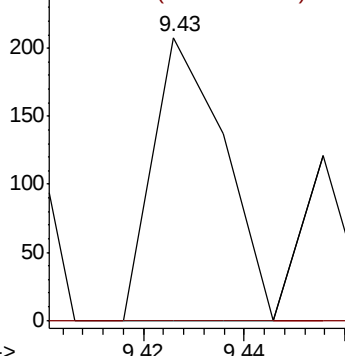
43 100

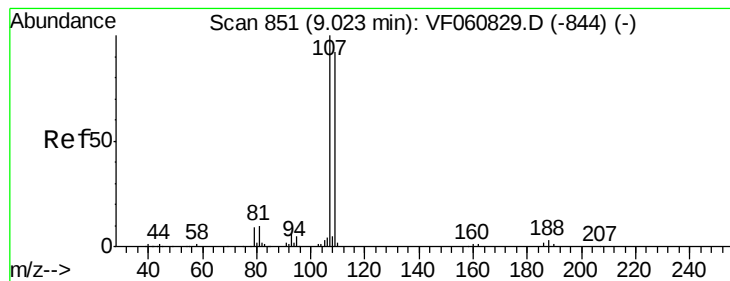
58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#61

1,2-Dibromoethane

Concen: 3.847 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

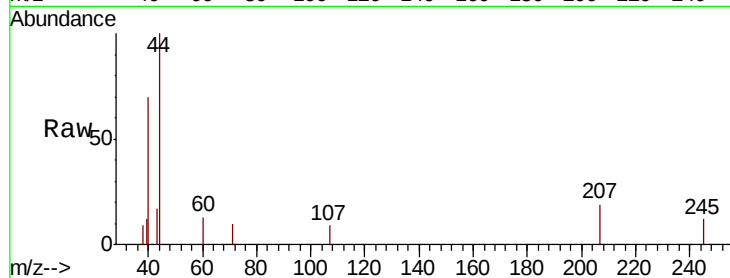
TP-8-ARE

Tgt Ion: 107 Resp: 123

Ion Ratio Lower Upper

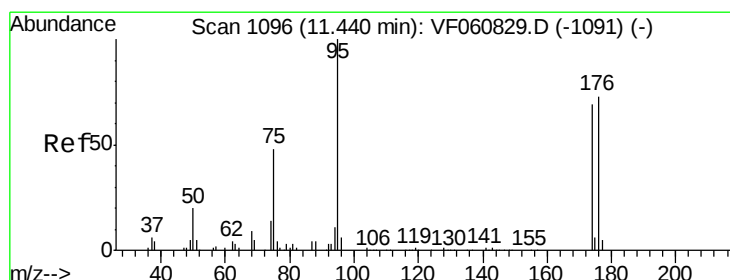
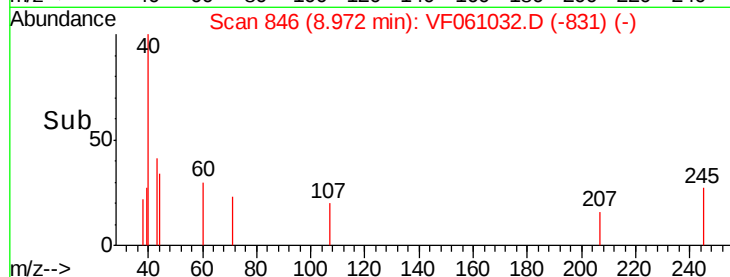
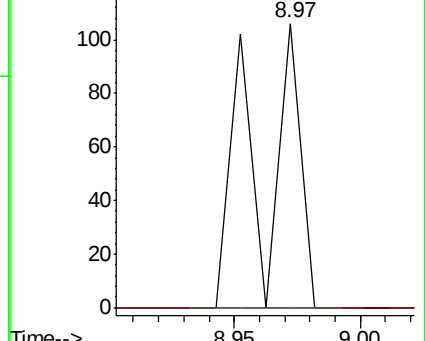
107 100

109 0.0 73.6 110.4#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 27.662 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

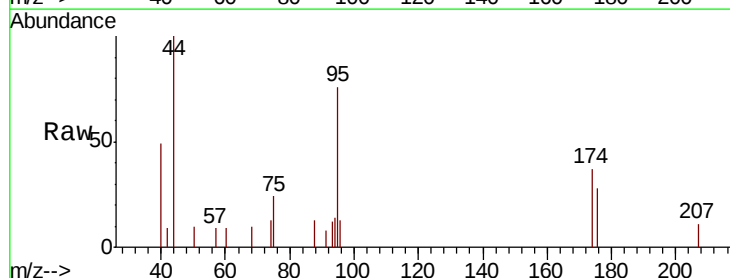
Tgt Ion: 95 Resp: 1734

Ion Ratio Lower Upper

95 100

174 49.3 0.0 138.2

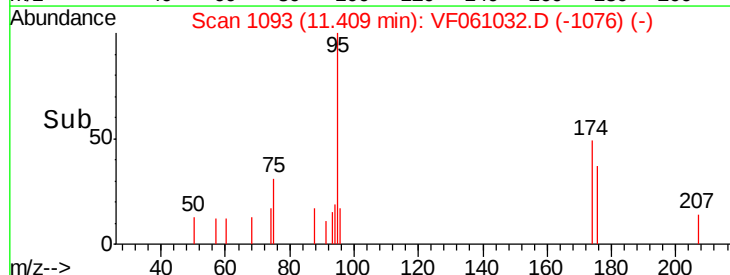
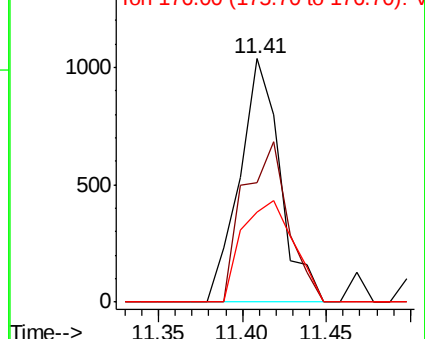
176 36.9 0.0 146.2

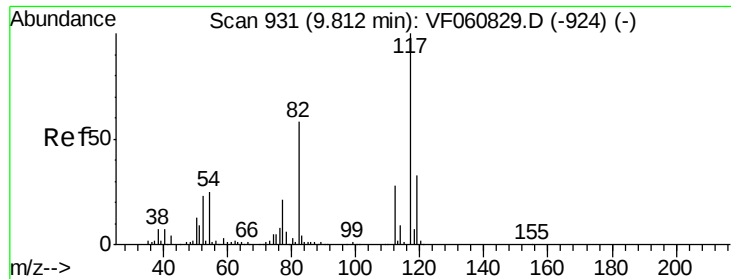


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

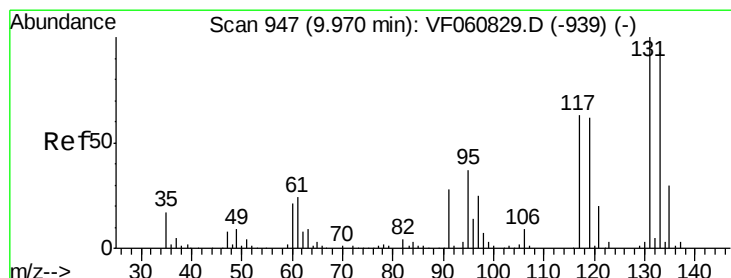
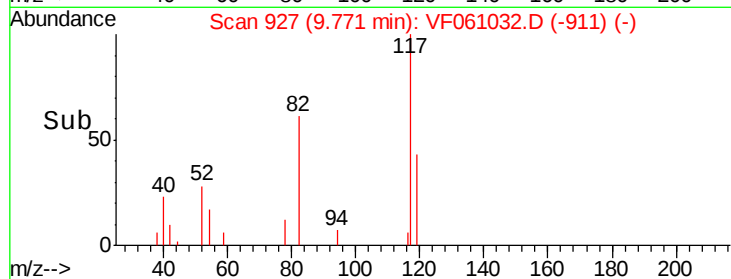
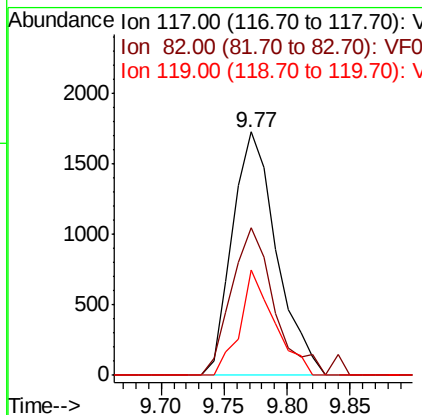
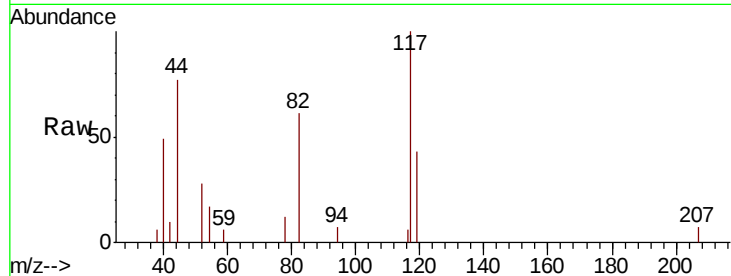




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

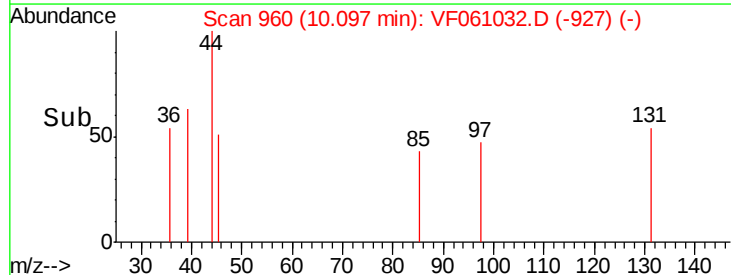
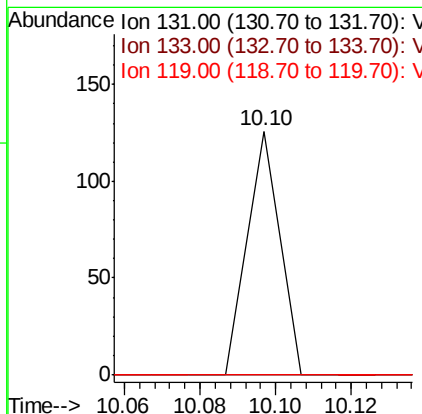
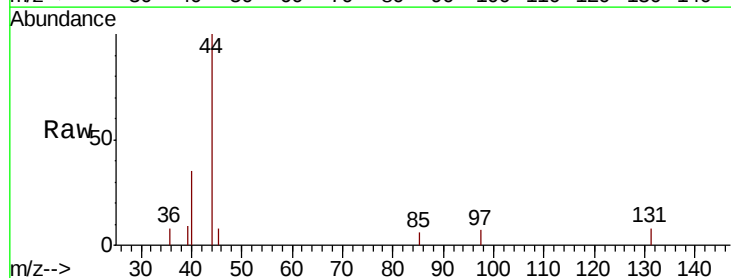
Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

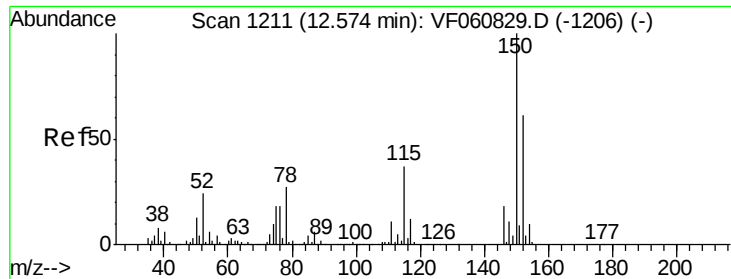
Tgt Ion:117 Resp: 4200
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 43.3 26.4 39.6#



#66
1,1,1,2-Tetrachloroethane
Concen: 2.135 ug/l
RT: 10.10 min Scan# 960
Delta R.T. 0.13 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion:131 Resp: 75
Ion Ratio Lower Upper
131 100
133 0.0 46.5 139.3#
119 0.0 31.1 93.3#



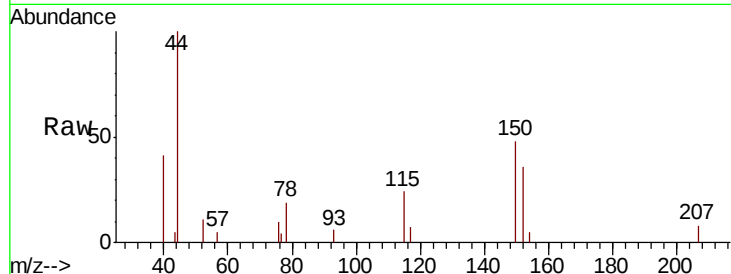


#72

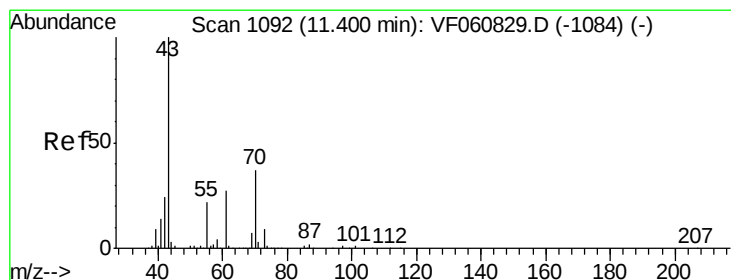
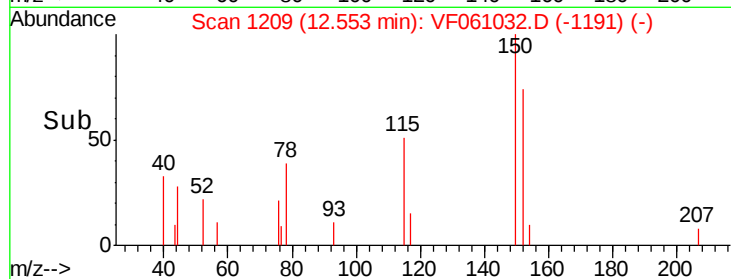
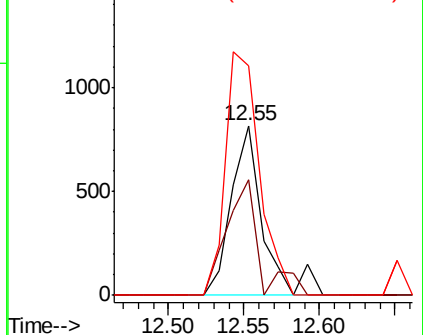
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Instrument :
MSVOA_F
ClientSampleId :
TP-8-ARE

Tgt Ion: 152 Resp: 1197
Ion Ratio Lower Upper
152 100
115 68.3 30.1 90.5
150 135.1 0.0 327.6



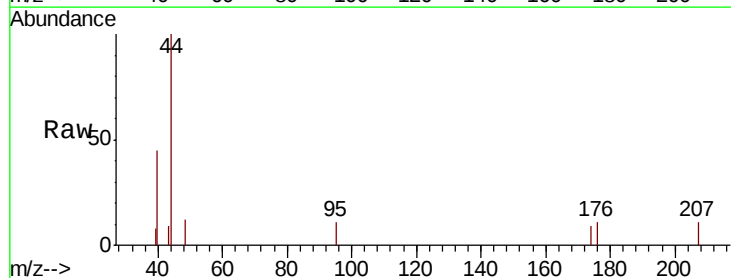
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



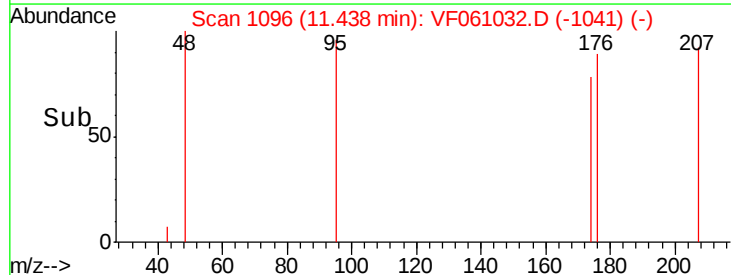
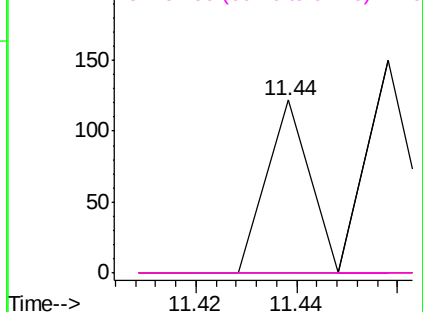
#74

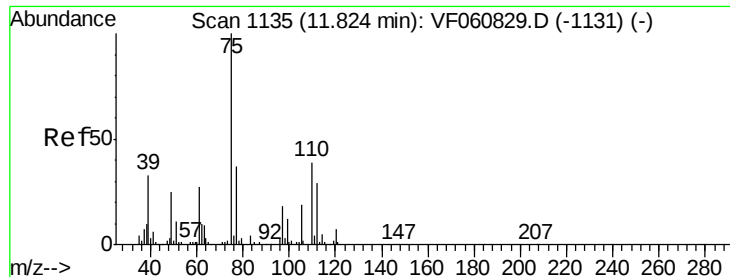
N-ethyl acetate
Concen: 3.296 ug/l
RT: 11.44 min Scan# 1096
Delta R.T. 0.04 min
Lab File: VF061032.D
Acq: 14 Dec 2018 21:01

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
70 0.0 29.6 44.4#
55 0.0 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





#76

1,2,3-Trichloropropane

Concen: 7.158 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.10 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampled :

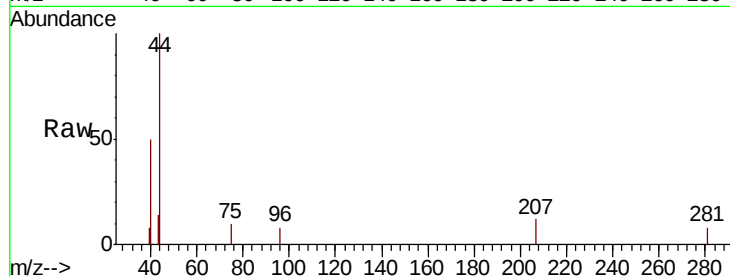
TP-8-ARE

Tgt Ion: 75 Resp: 81

Ion Ratio Lower Upper

75 100

77 0.0 18.4 55.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

11.72

11.74

11.76

11.78

11.80

11.82

11.84

11.86

11.88

11.90

11.92

11.94

11.96

11.98

12.00

12.02

12.04

12.06

12.08

12.10

12.12

12.14

12.16

12.18

12.20

12.22

12.24

12.26

12.28

12.30

12.32

12.34

12.36

12.38

12.40

12.42

12.44

12.46

12.48

12.50

12.52

12.54

12.56

12.58

12.60

12.62

12.64

12.66

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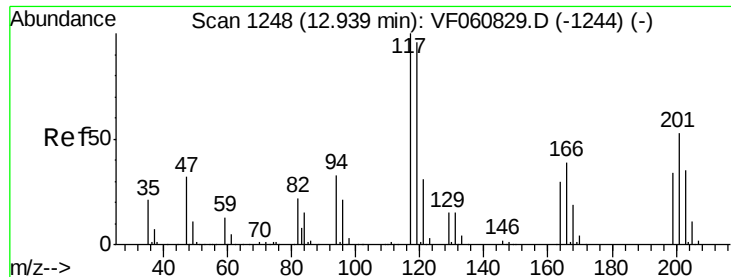
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#90

Hexachloroethane

Concen: 2.775 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. 0.02 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

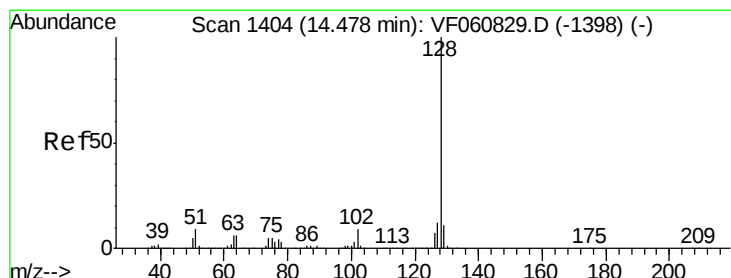
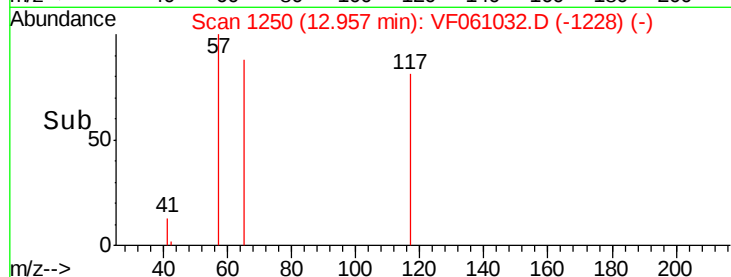
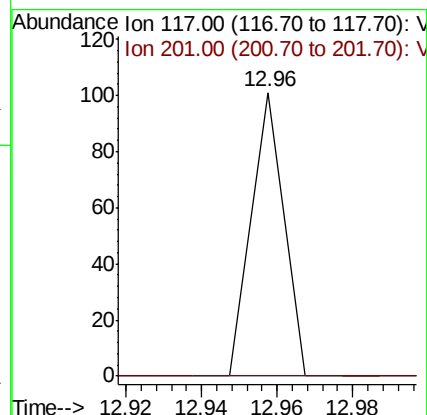
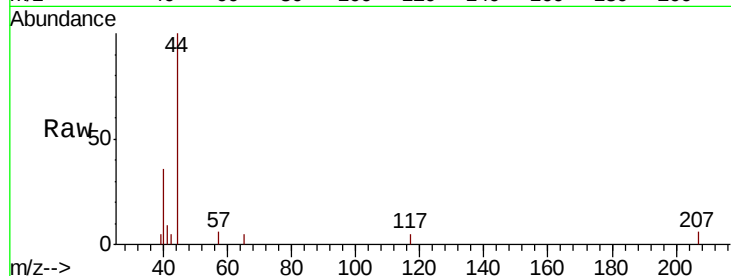
TP-8-ARE

Tgt Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

201 0.0 26.7 80.1#



#95

Naphthalene

Concen: 8.866 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF061032.D

Acq: 14 Dec 2018 21:01

Tgt Ion:128 Resp: 595

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 9.1 13.7#

