

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060931.D
 Acq On : 6 Dec 2018 21:56
 Operator : VA/AP
 Sample : J6214-29
 Misc : 5.79g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-(12.5-14.5)

Quant Time: Dec 07 00:25:36 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	4.88	168	3319	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	4074	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	2214	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	527	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	632	16.16	ug/l	-0.04
Spiked Amount			Recovery	=	32.32%	
35) Dibromofluoromethane	4.11	113	854	26.42	ug/l	-0.04
Spiked Amount			Recovery	=	52.84%	
50) Toluene-d8	7.55	98	3004	31.55	ug/l	-0.04
Spiked Amount			Recovery	=	63.10%	
62) 4-Bromofluorobenzene	11.41	95	613	14.17	ug/l	-0.03
Spiked Amount			Recovery	=	28.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.12	50	60	1.858	ug/l #	1
4) Vinyl Chloride	1.09	62	72	2.390	ug/l #	1
5) Bromomethane	1.32	94	375	17.655	ug/l #	2
6) Chloroethane	1.46	64	60	4.608	ug/l #	1
8) Diethyl Ether	1.64	74	98	10.545	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.76	101	61	1.867	ug/l #	20
11) Tert butyl alcohol	2.64	59	62	38.683	ug/l #	62
12) 1,1-Dichloroethene	1.79	96	133	5.061	ug/l #	1
13) Acrolein	1.98	56	634	417.500	ug/l	94
14) Allyl chloride	2.12	41	615	18.775	ug/l #	50
15) Acrylonitrile	3.00	53	691	192.304	ug/l #	11
16) Acetone	2.13	43	468	64.909	ug/l	95
18) Methyl Acetate	2.26	43	411	33.431	ug/l	95
19) Methyl tert-butyl Ether	2.39	73	70	1.183	ug/l #	58
20) Methylene Chloride	2.19	84	205	7.750	ug/l #	52
21) trans-1,2-Dichloroethene	2.32	96	69	2.723	ug/l #	1
22) Diisopropyl ether	2.82	45	108	1.211	ug/l #	1
23) Vinyl Acetate	3.21	43	355	8.710	ug/l #	80
24) 1,1-Dichloroethane	2.88	63	66	1.244	ug/l #	86
25) 2-Butanone	4.29	43	405	32.476	ug/l #	57
26) 2,2-Dichloropropane	3.61	77	62	1.803	ug/l #	60
27) cis-1,2-Dichloroethene	3.56	96	65	1.576	ug/l	1
29) Tetrahydrofuran	4.09	42	82	15.512	ug/l #	37
31) Cyclohexane	3.69	56	62	1.126	ug/l #	15
37) Ethyl Acetate	4.08	43	377	20.530	ug/l #	14
41) Methacrylonitrile	4.76	41	145	12.328	ug/l #	23
43) Isopropyl Acetate	6.88	43	362	14.021	ug/l #	49
44) Trichloroethene	5.64	130	78	2.390	ug/l	1
48) Methyl methacrylate	6.72	41	95	5.715	ug/l #	53
51) 4-Methyl-2-Pentanone	8.21	43	305	18.012	ug/l #	38
56) Ethyl methacrylate	8.63	69	66	2.908	ug/l #	53
57) 1,3-Dichloropropane	8.88	76	82	2.294	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.21	63	88	37.904	ug/l #	46
59) 2-Hexanone	9.46	43	316	26.599	ug/l #	27

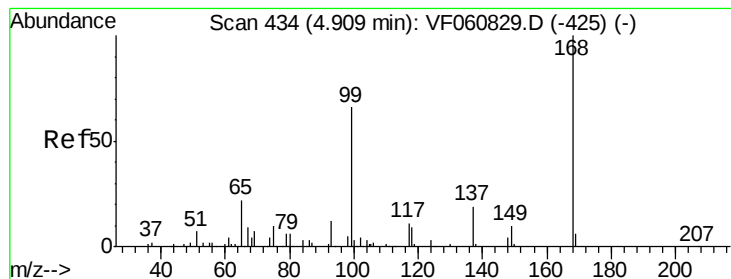
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	8.96	107	64	2.900	ug/l #	4
73) Isopropylbenzene	11.11	105	105	2.521	ug/l #	51
74) N-amyl acetate	11.39	43	189	19.653	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.79	83	83	12.110	ug/l #	25
85) sec-Butylbenzene	12.48	105	71	1.506	ug/l #	58
86) p-Isopropyltoluene	12.46	119	99	2.505	ug/l #	51
89) n-Butylbenzene	12.96	91	78	1.952	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.53	75	75	56.597	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

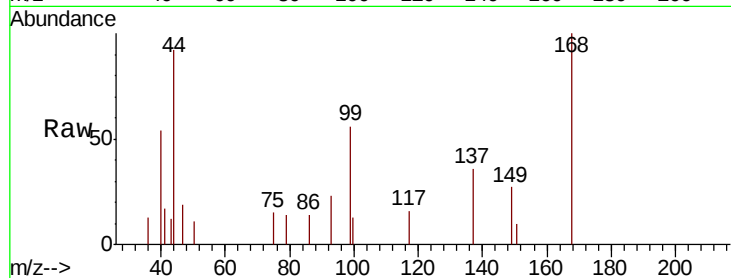
SB-2-(12.5-14.5)

Tot Ion:168 Resp: 3319

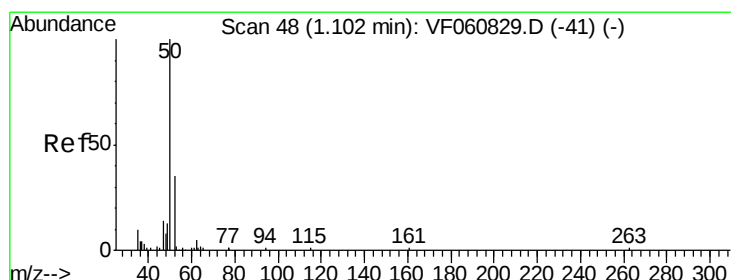
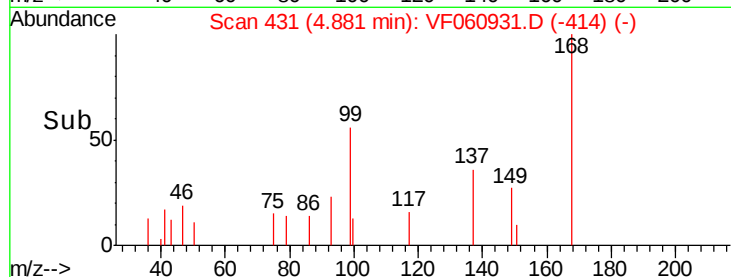
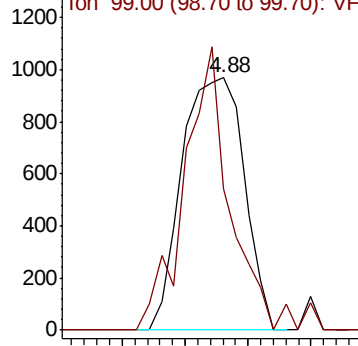
Ion Ratio Lower Upper

168 100

99 55.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 1.858 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF060931.D

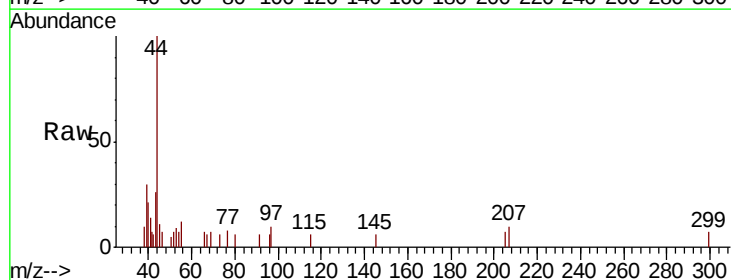
Acq: 6 Dec 2018 21:56

Tgt Ion: 50 Resp: 60

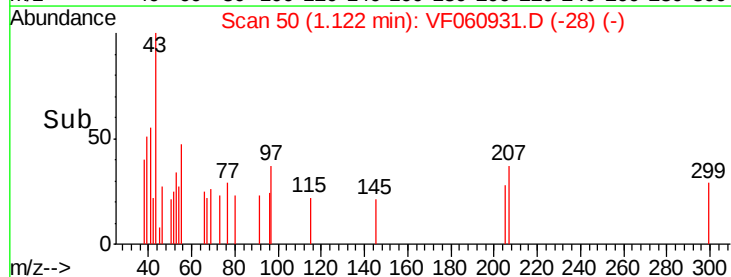
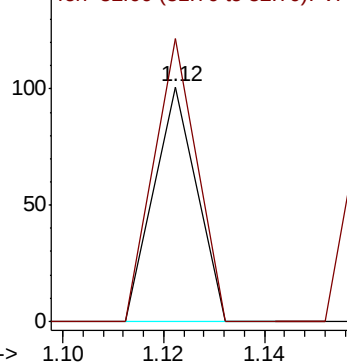
Ion Ratio Lower Upper

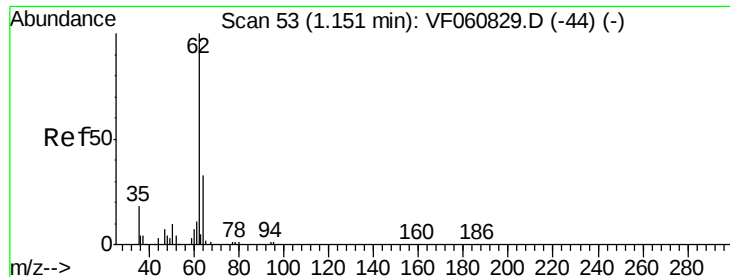
50 100

52 120.8 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 2.390 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.06 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

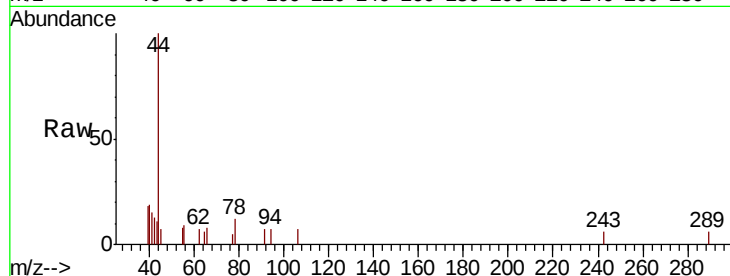
SB-2-(12.5-14.5)

Tot Ion: 62 Resp: 72

Ion Ratio Lower Upper

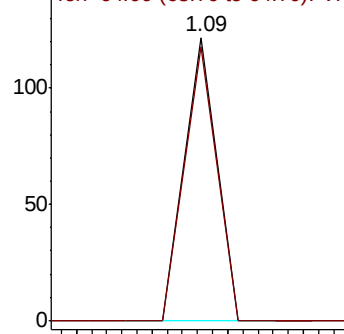
62 100

64 96.7 26.4 39.6#

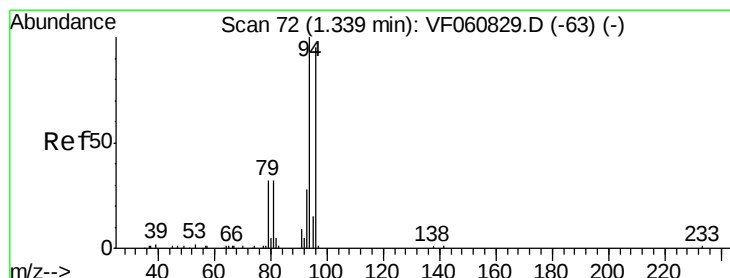
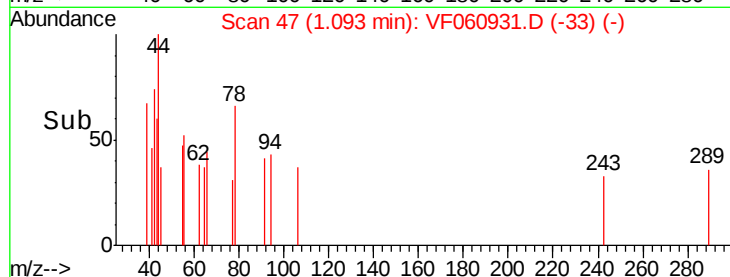


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time-->



#5

Bromomethane

Concen: 17.655 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060931.D

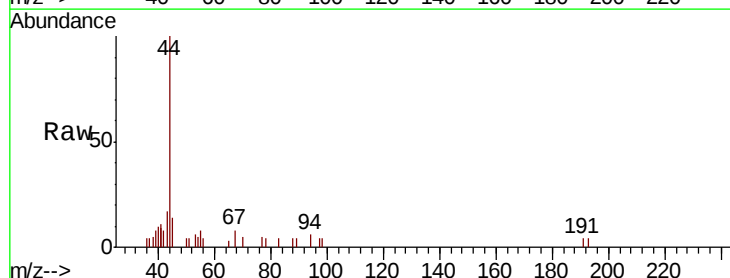
Acq: 6 Dec 2018 21:56

Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

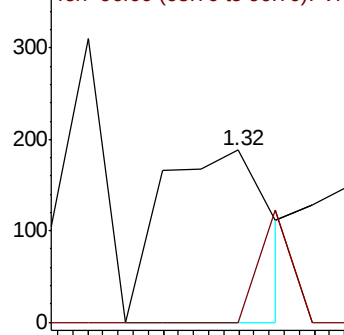
94 100

96 0.0 75.9 113.9#

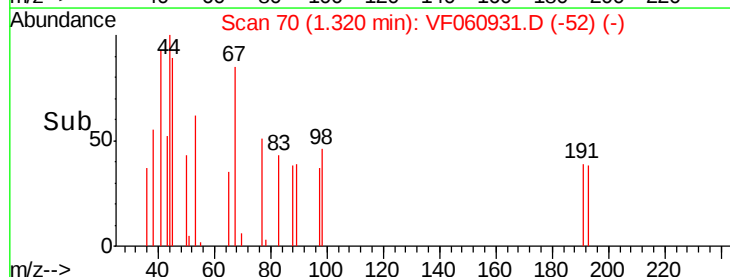


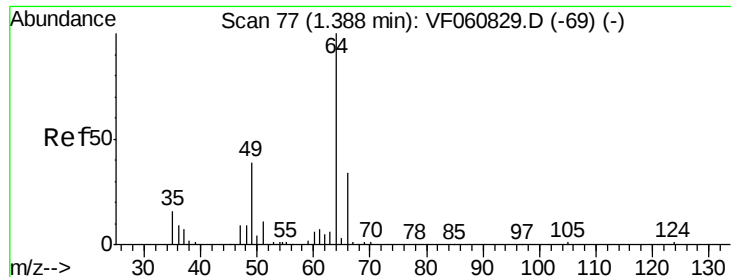
Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time-->





#6

Chloroethane

Concen: 4.608 ug/l

RT: 1.46 min Scan# 84

Delta R.T. 0.07 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

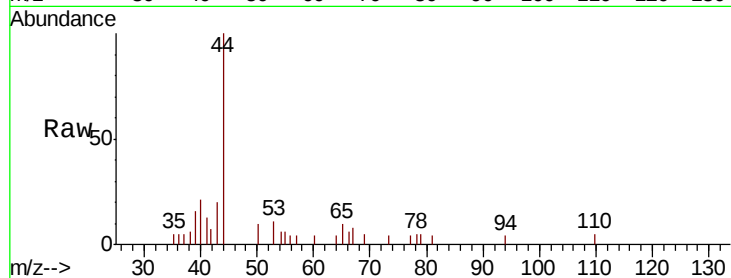
SB-2-(12.5-14.5)

Tot Ion: 64 Resp: 60

Ion Ratio Lower Upper

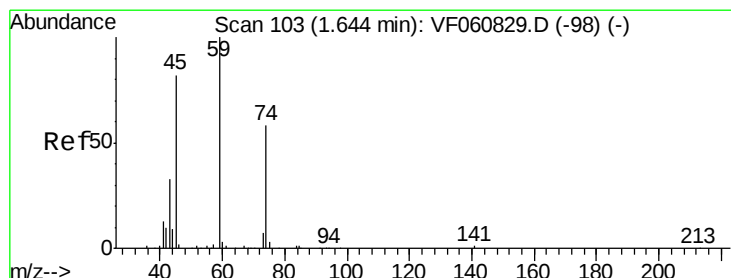
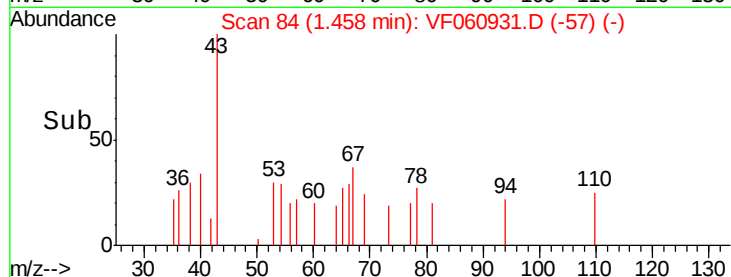
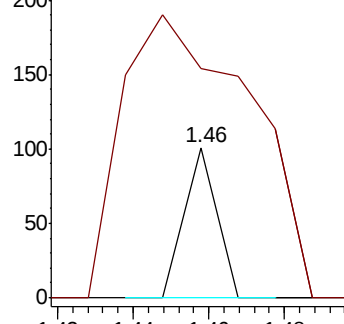
64 100

66 152.5 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: 10.545 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060931.D

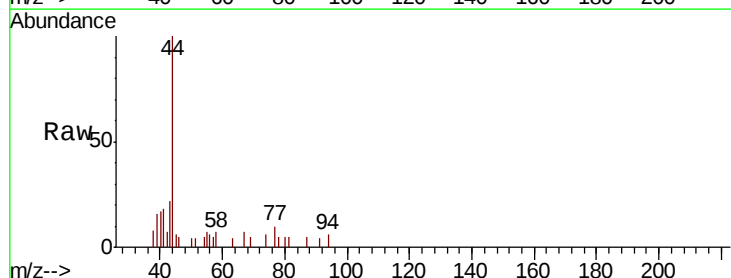
Acq: 6 Dec 2018 21:56

Tgt Ion: 74 Resp: 98

Ion Ratio Lower Upper

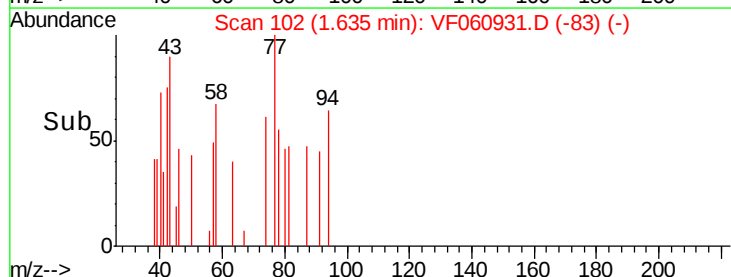
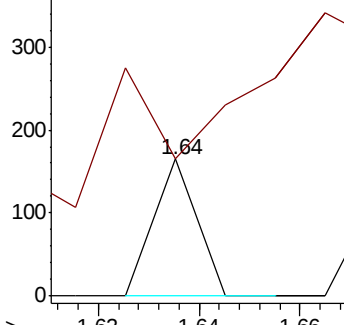
74 100

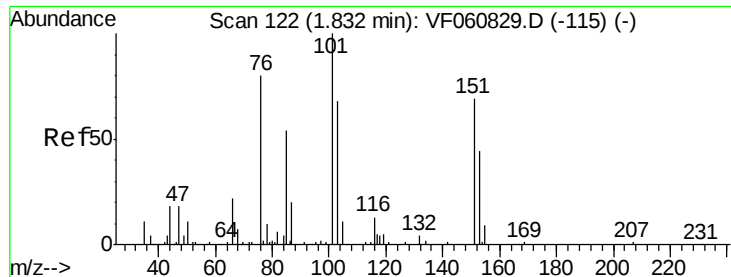
45 100.6 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.867 ug/l

RT: 1.76 min Scan# 115

Delta R.T. -0.07 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

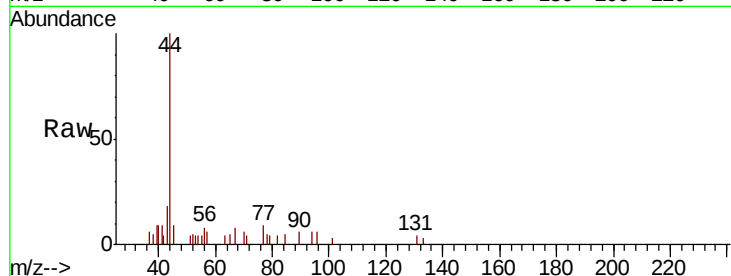
Tot Ion:101 Resp: 61

Ion Ratio Lower Upper

101 100

85 0.0 42.8 64.2#

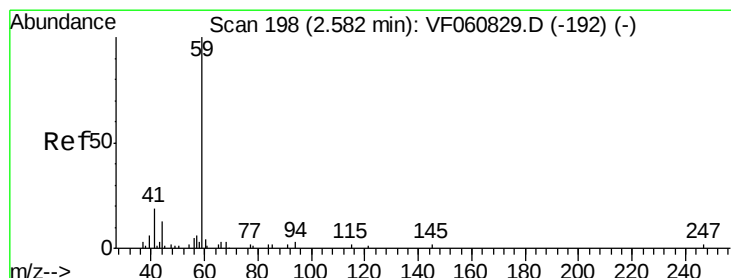
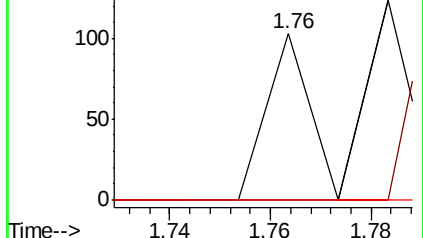
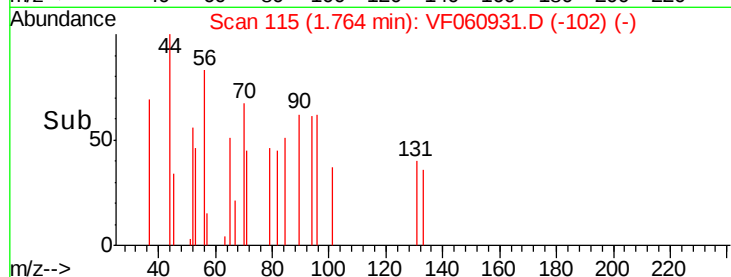
151 0.0 54.4 81.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#11

Tert butyl alcohol

Concen: 38.683 ug/l

RT: 2.64 min Scan# 204

Delta R.T. 0.06 min

Lab File: VF060931.D

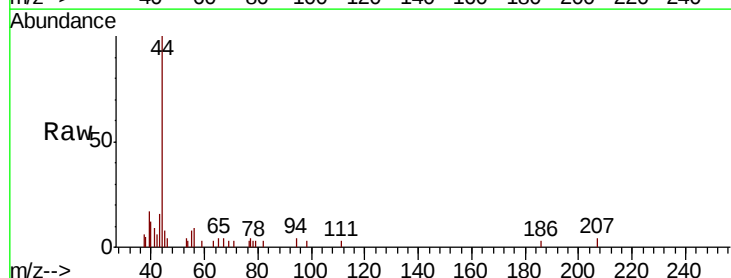
Acq: 6 Dec 2018 21:56

Tgt Ion: 59 Resp: 62

Ion Ratio Lower Upper

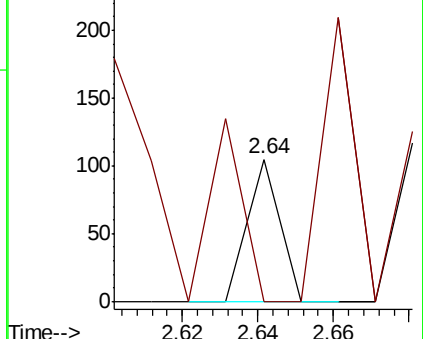
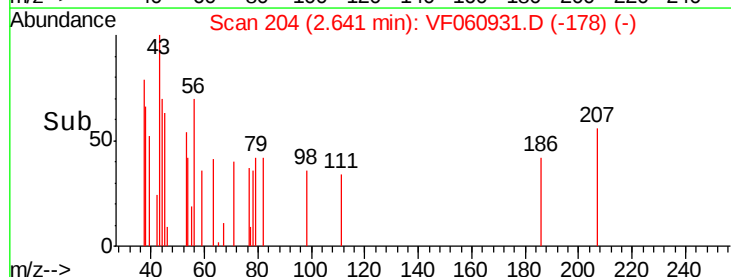
59 100

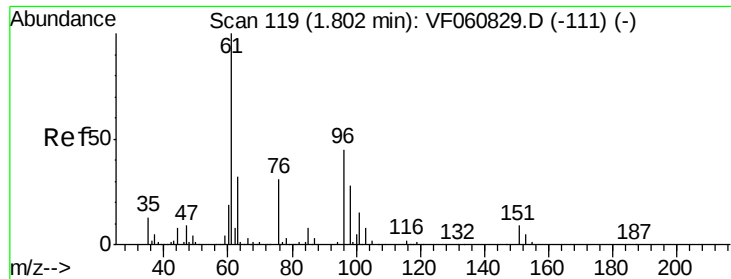
57 0.0 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 5.061 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

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MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

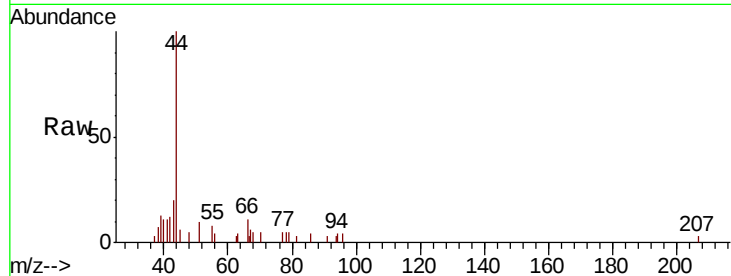
Tot Ion: 96 Resp: 133

Ion Ratio Lower Upper

96 100

61 0.0 177.3 265.9#

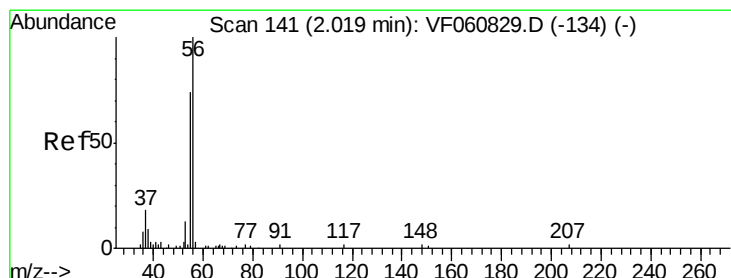
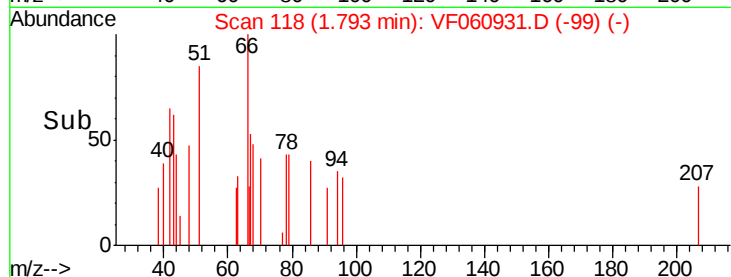
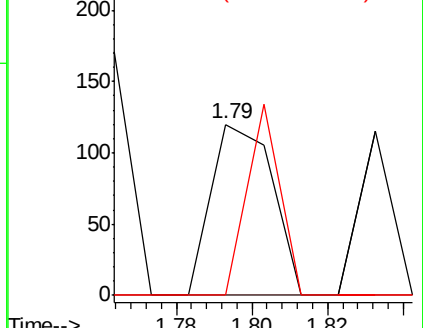
98 0.0 49.6 74.4#



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: 417.500 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.04 min

Lab File: VF060931.D

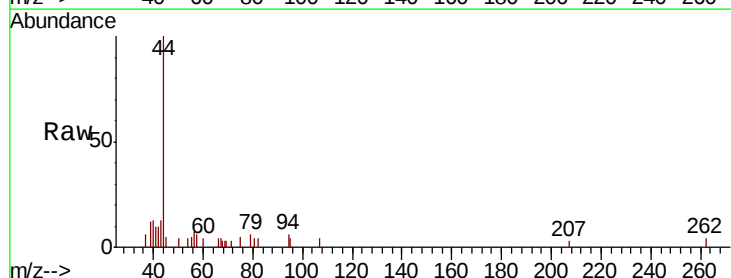
Acq: 6 Dec 2018 21:56

Tgt Ion: 56 Resp: 634

Ion Ratio Lower Upper

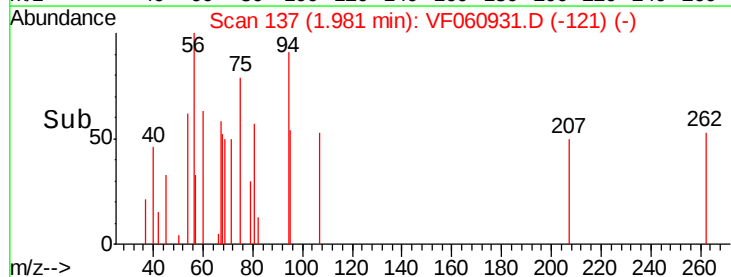
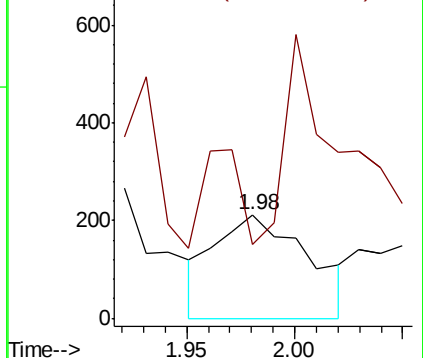
56 100

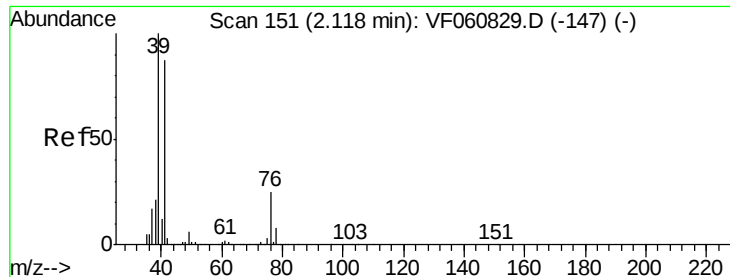
55 71.7 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

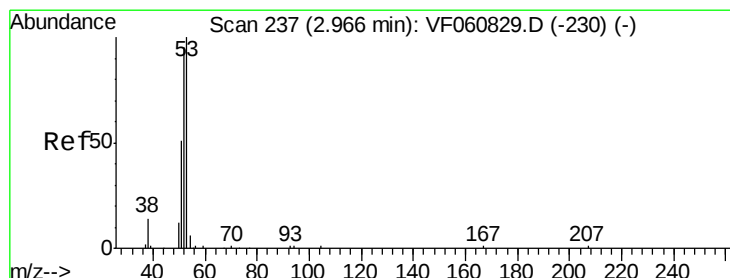
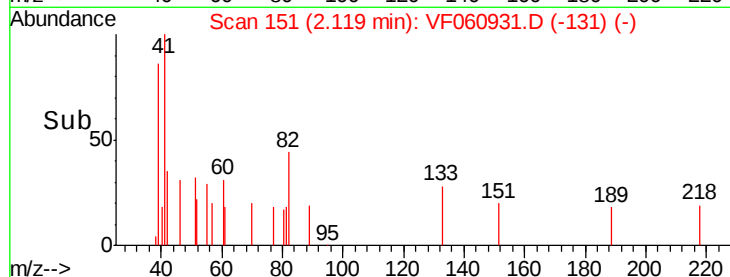
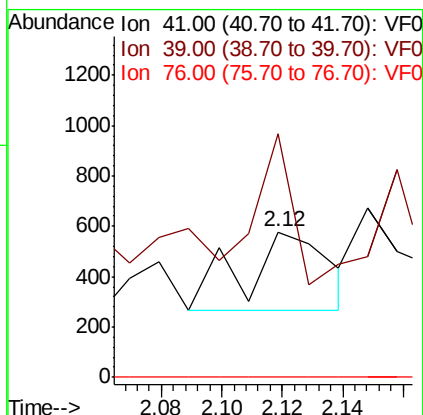
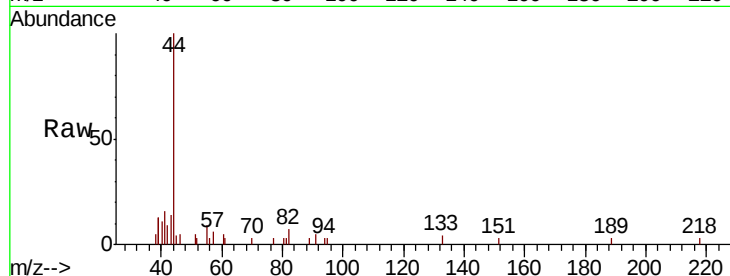




#14
Allvl chloride
Concen: 18.775 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.00 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

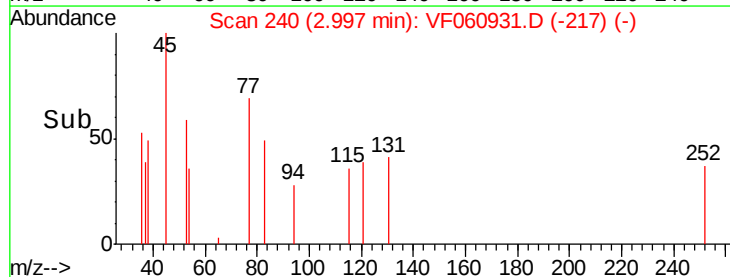
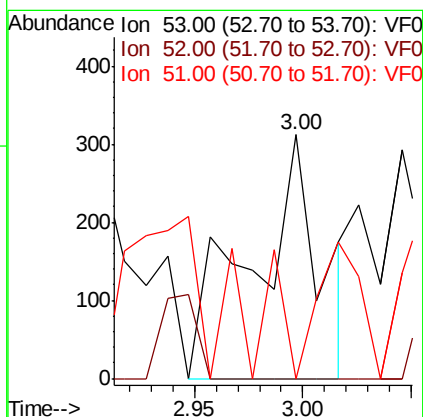
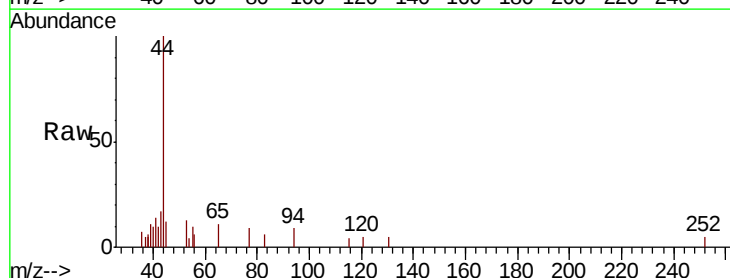
Instrument :
MSVOA_F
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SB-2-(12.5-14.5)

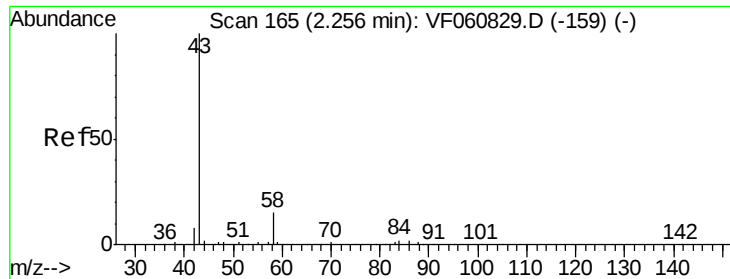
Tot Ion: 41 Resp: 615
Ion Ratio Lower Upper
41 100
39 167.6 91.7 137.5#
76 0.0 23.5 35.3#



#15
Acrylonitrile
Concen: 192.304 ug/l
RT: 3.00 min Scan# 240
Delta R.T. 0.03 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Tgt Ion: 53 Resp: 691
Ion Ratio Lower Upper
53 100
52 0.0 76.5 114.7#
51 0.0 40.7 61.1#





#16

Acetone

Concen: 64.909 ug/l

RT: 2.13 min Scan# 152

Delta R.T. -0.13 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

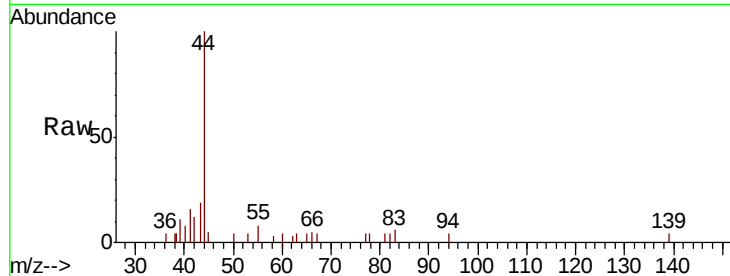
SB-2-(12.5-14.5)

Tot Ion: 43 Resp: 468

Ion Ratio Lower Upper

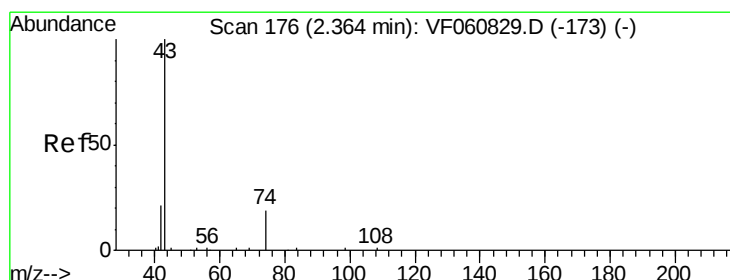
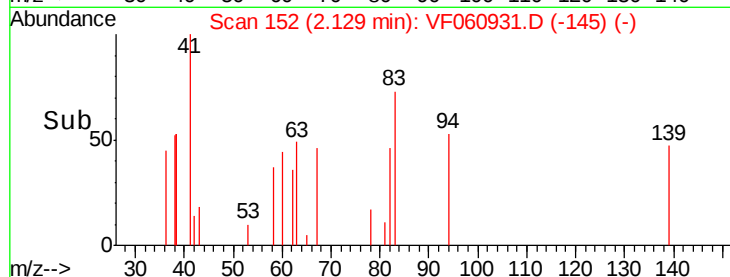
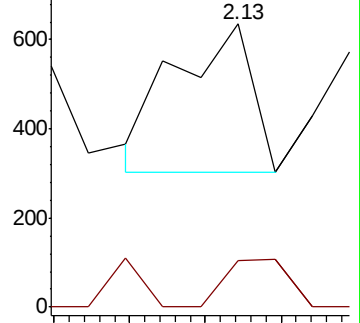
43 100

58 16.5 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: 33.431 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.11 min

Lab File: VF060931.D

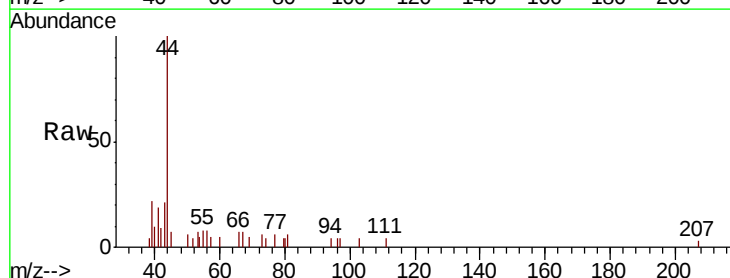
Acq: 6 Dec 2018 21:56

Tgt Ion: 43 Resp: 411

Ion Ratio Lower Upper

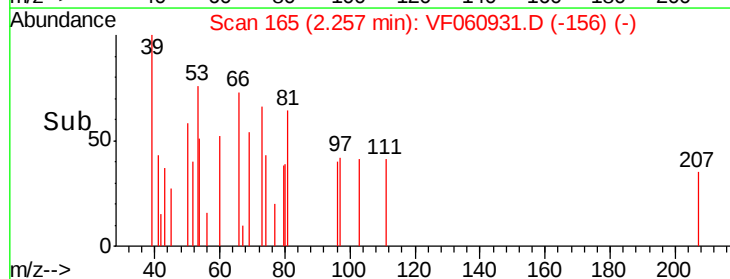
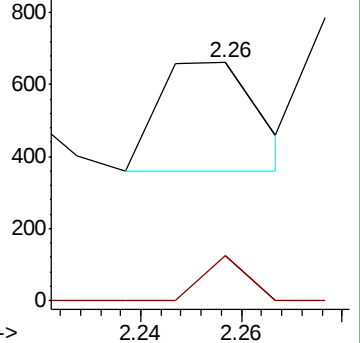
43 100

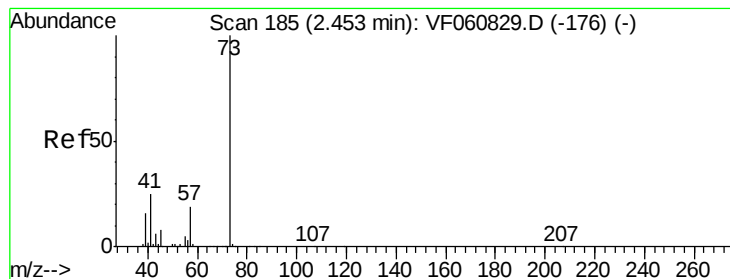
74 18.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



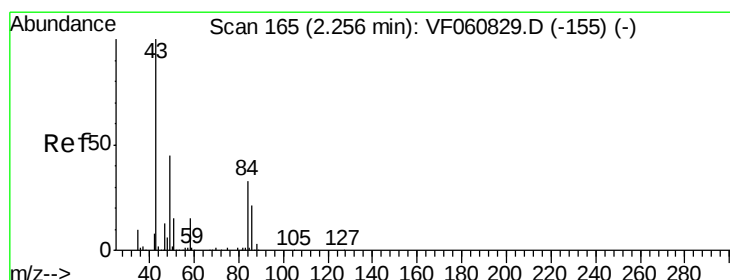
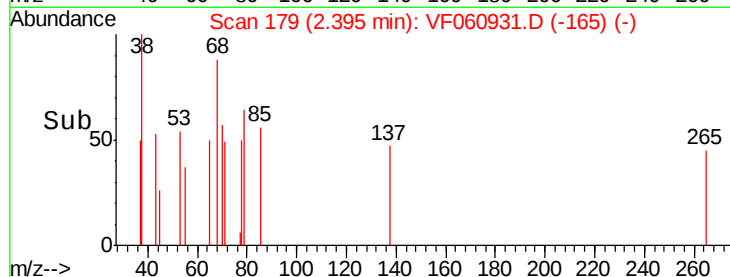
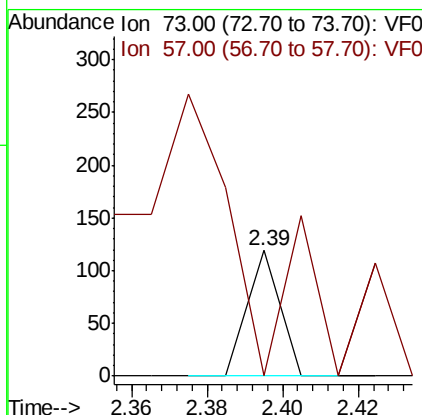
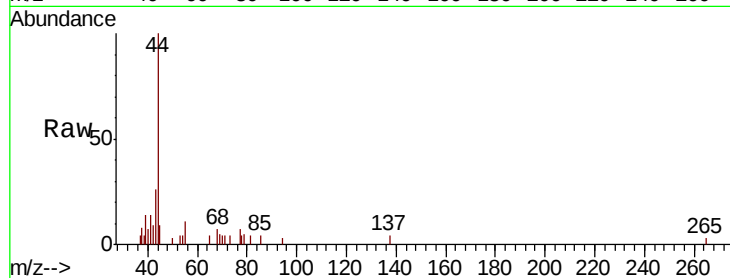


#19

Methyl tert-butyl Ether
 Concen: 1.183 ug/l
 RT: 2.39 min Scan# 179
 Delta R.T. -0.06 min
 Lab File: VF060931.D
 Acq: 6 Dec 2018 21:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-(12.5-14.5)

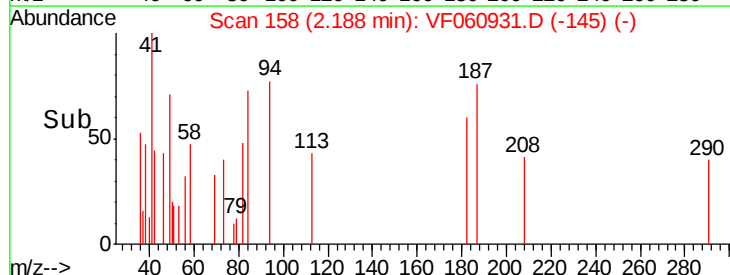
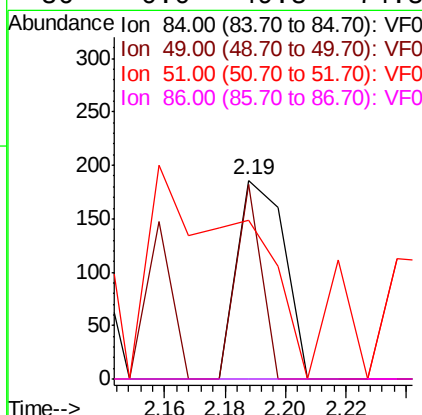
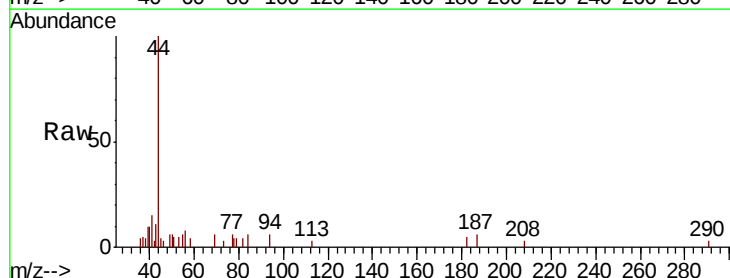
Tot Ion: 73 Resp: 70
 Ion Ratio Lower Upper
 73 100
 57 0.0 15.3 22.9#

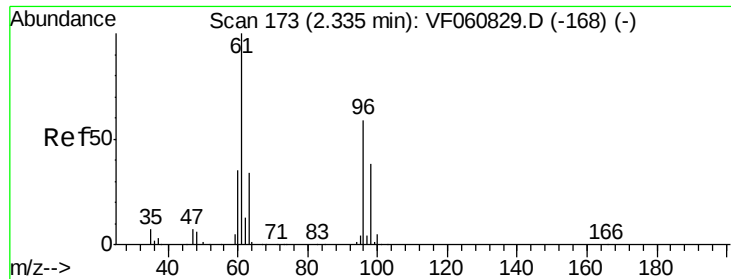


#20

Methylene Chloride
 Concen: 7.750 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.07 min
 Lab File: VF060931.D
 Acq: 6 Dec 2018 21:56

Tgt Ion: 84 Resp: 205
 Ion Ratio Lower Upper
 84 100
 49 97.8 111.3 166.9#
 51 80.1 38.0 57.0#
 86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 2.723 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

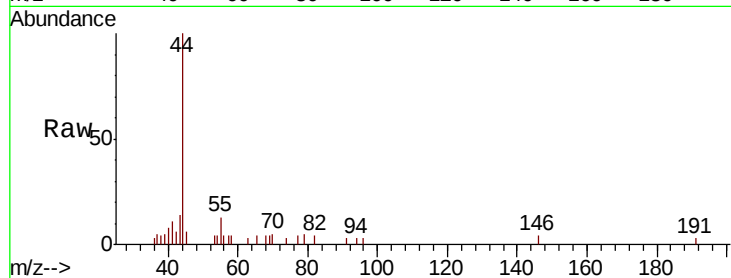
Tot Ion: 96 Resp: 69

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

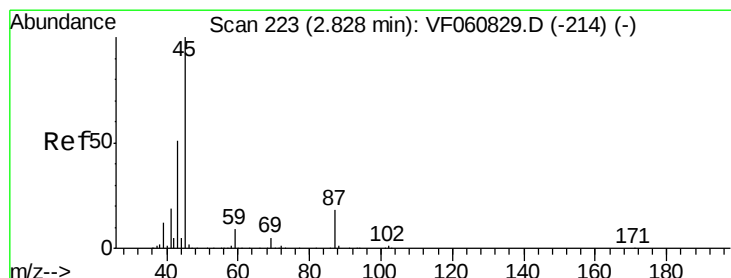
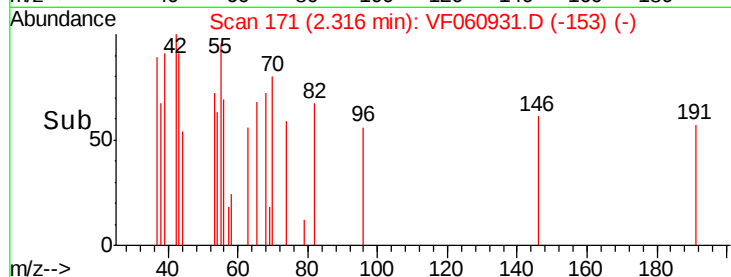
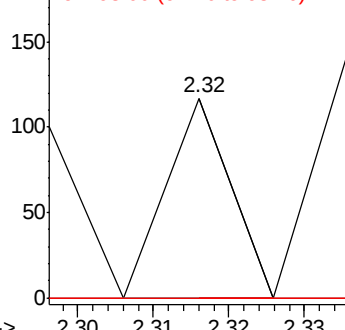
98 0.0 51.6 77.4#



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: 1.211 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Tgt Ion: 45 Resp: 108

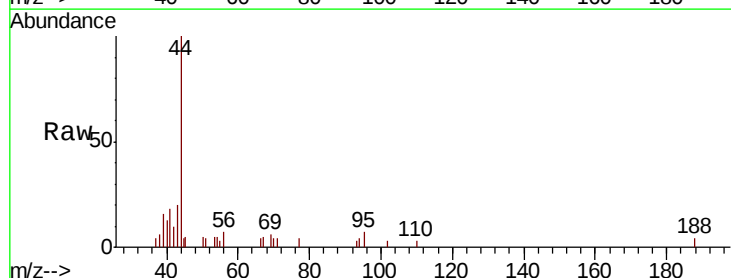
Ion Ratio Lower Upper

45 100

43 220.6 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

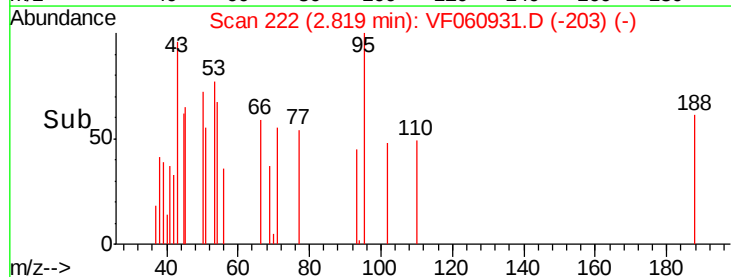
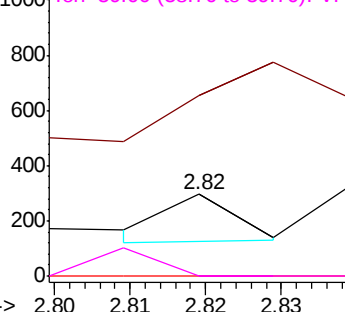


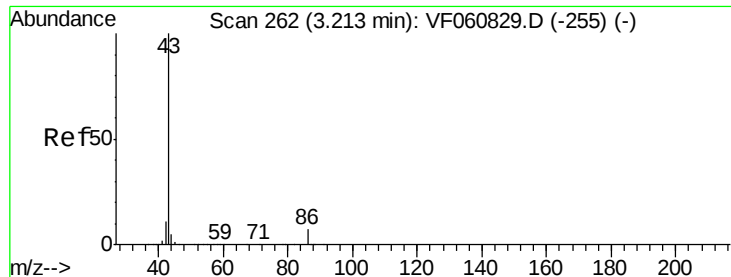
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 8.710 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

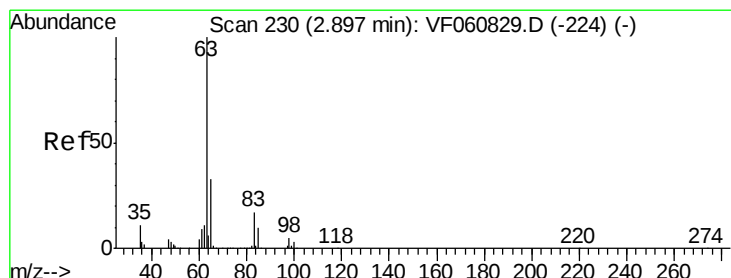
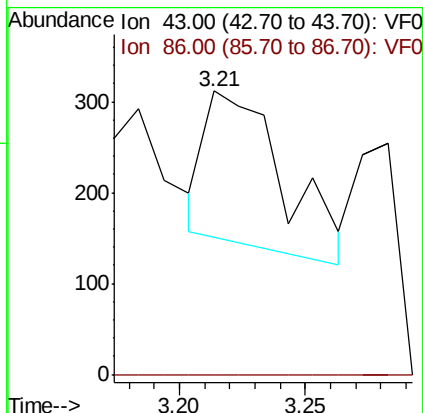
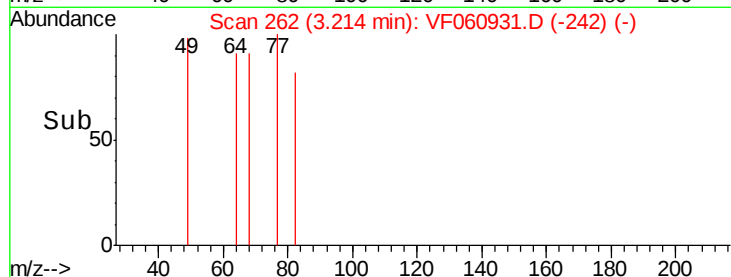
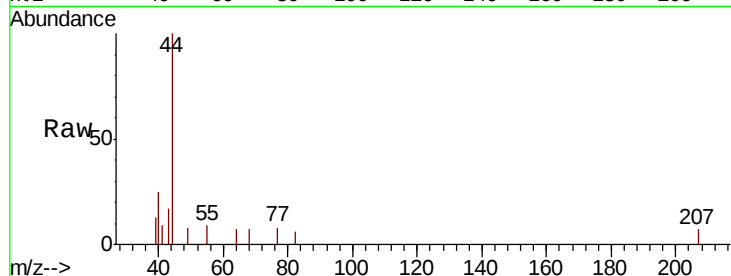
SB-2-(12.5-14.5)

Tot Ion: 43 Resp: 355

Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



#24

1,1-Dichloroethane

Concen: 1.244 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

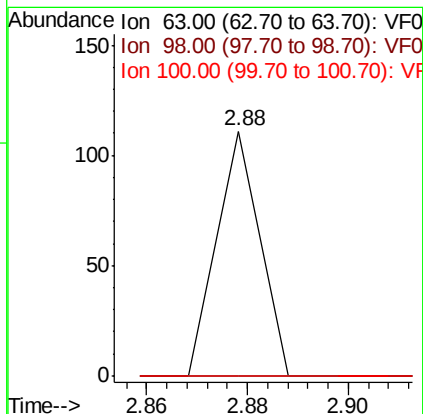
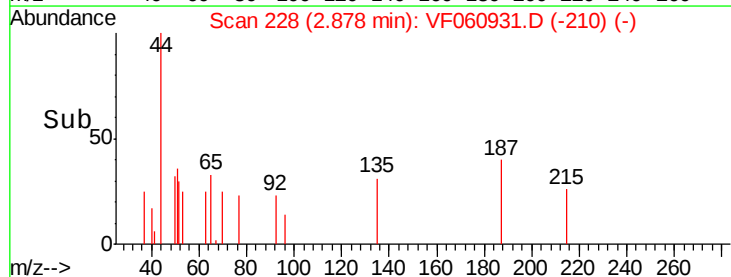
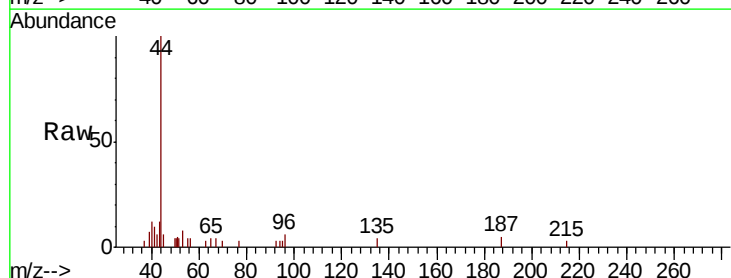
Tgt Ion: 63 Resp: 66

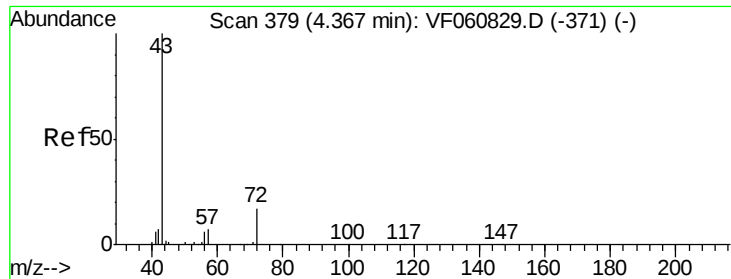
Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

100 0.0 1.5 4.5#





#25

2-Butanone

Concen: 32.476 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.08 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

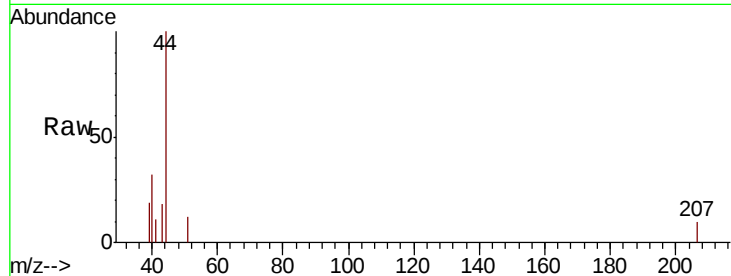
SB-2-(12.5-14.5)

Tot Ion: 43 Resp: 405

Ion Ratio Lower Upper

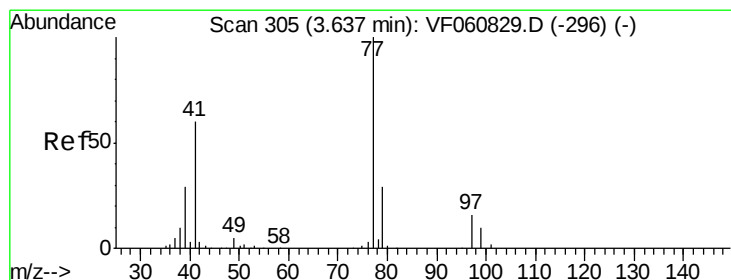
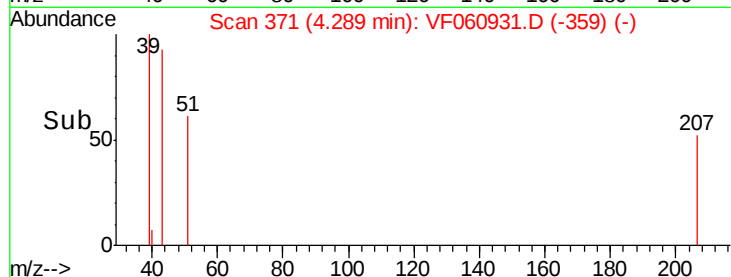
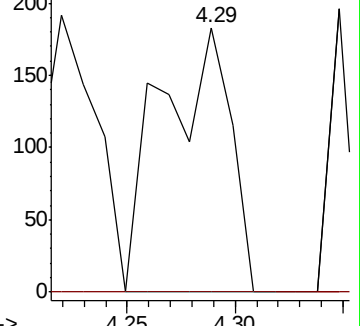
43 100

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: 1.803 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF060931.D

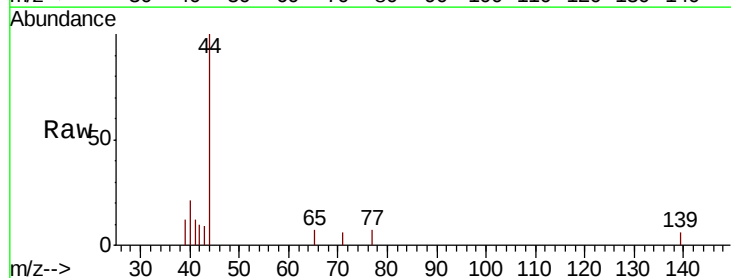
Acq: 6 Dec 2018 21:56

Tgt Ion: 77 Resp: 62

Ion Ratio Lower Upper

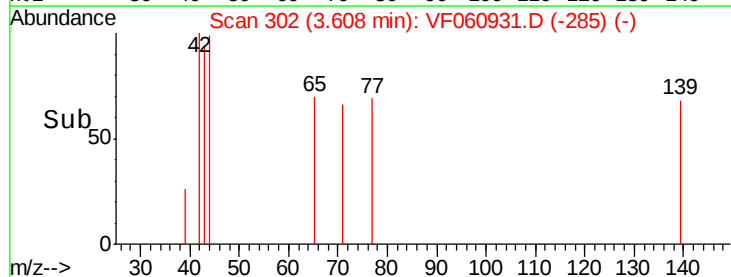
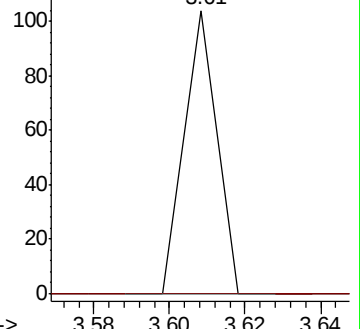
77 100

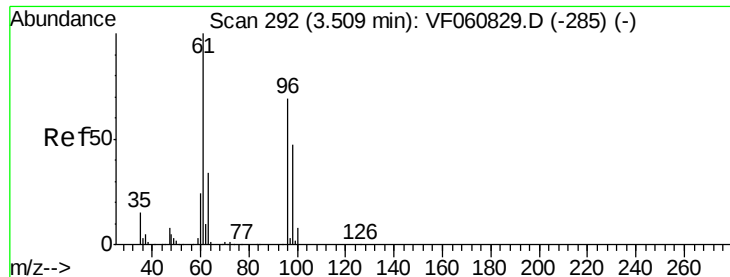
97 0.0 8.6 25.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



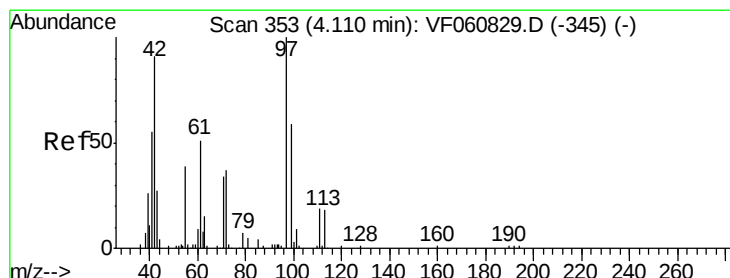
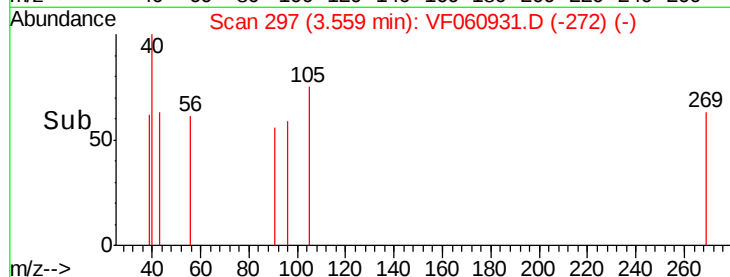
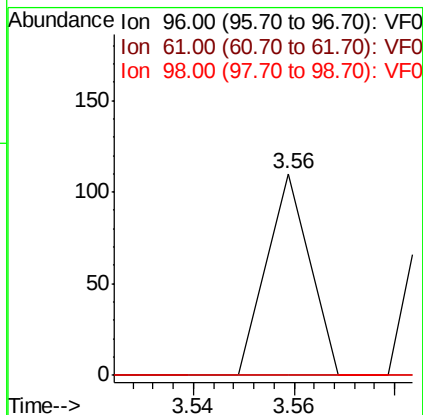
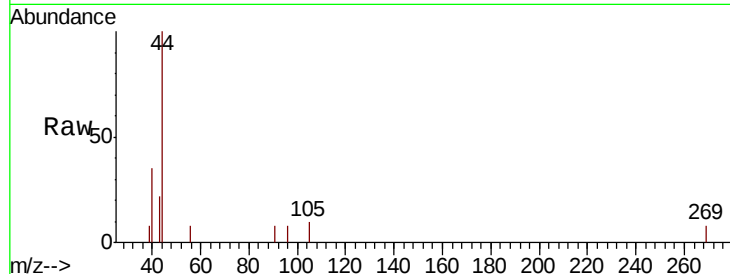


#27

cis-1,2-Dichloroethene
 Concen: 1.576 ug/l
 RT: 3.56 min Scan# 297
 Delta R.T. 0.05 min
 Lab File: VF060931.D
 Acq: 6 Dec 2018 21:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-(12.5-14.5)

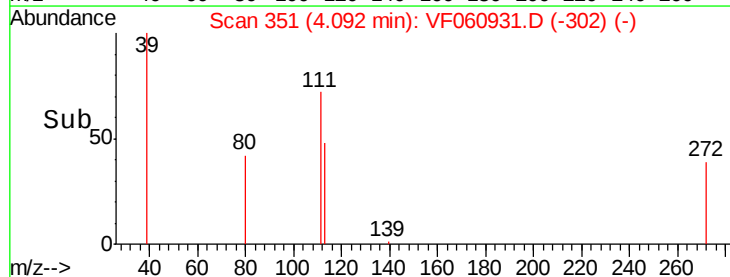
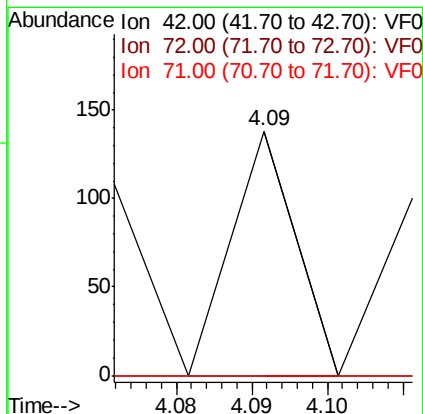
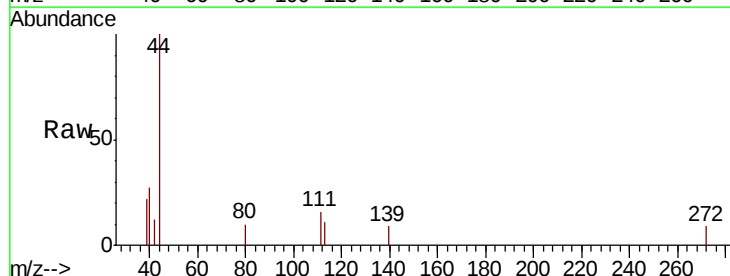
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	290.6
98	0.0	0.0	137.8

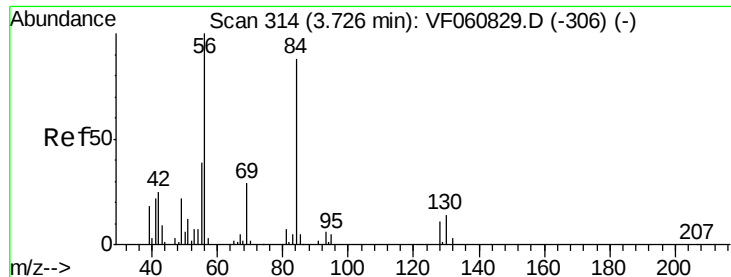


#29

Tetrahydrofuran
 Concen: 15.512 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF060931.D
 Acq: 6 Dec 2018 21:56

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	28.7	43.1#

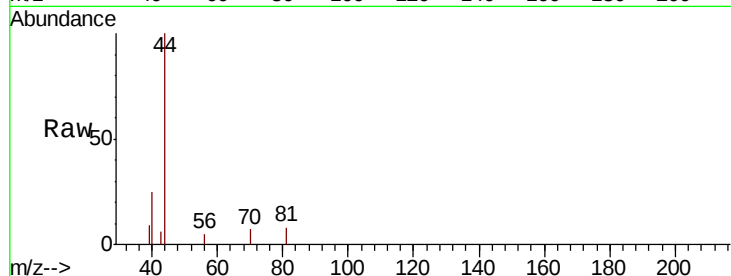




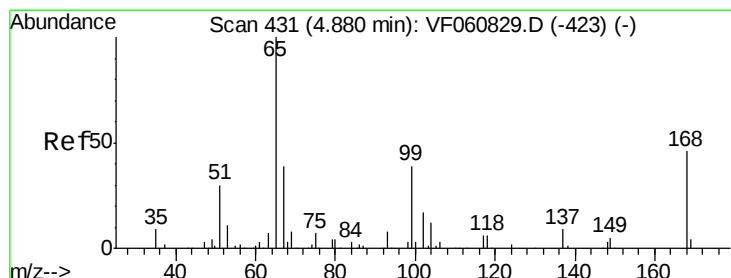
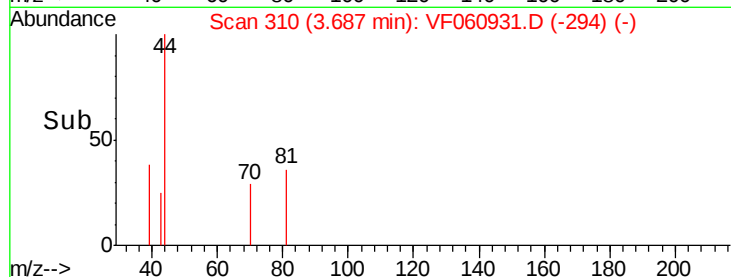
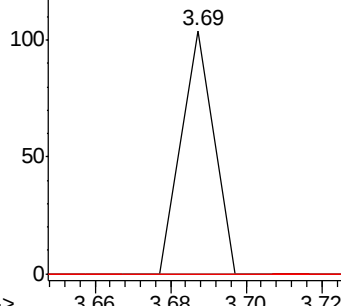
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Instrument :
MSVOA_F
ClientSampleId :
SB-2-(12.5-14.5)

Tot Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 70.4 105.6#

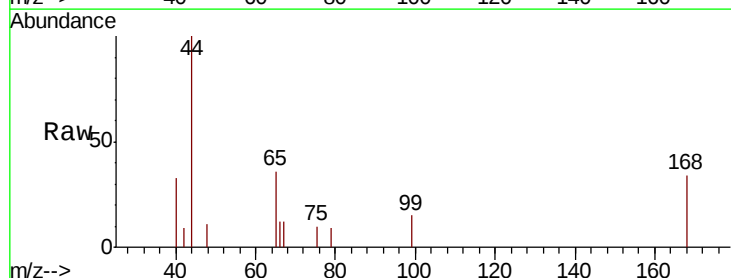


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

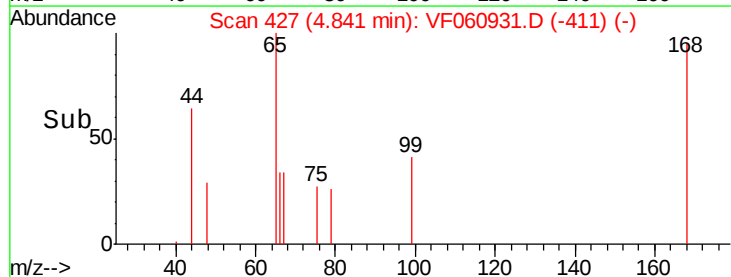
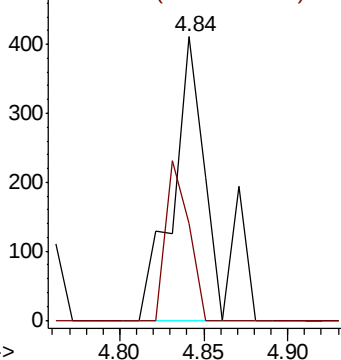


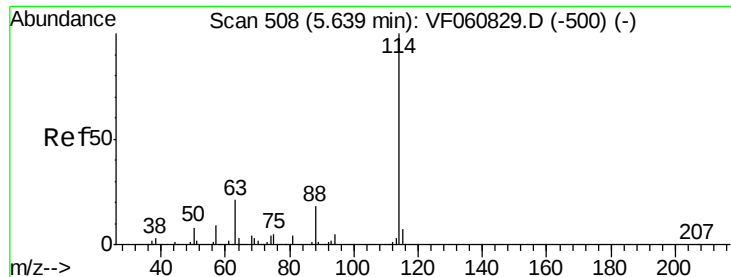
#33
1,2-Dichloroethane-d4
Concen: 16.164 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Tgt Ion: 65 Resp: 632
Ion Ratio Lower Upper
65 100
67 34.1 0.0 96.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

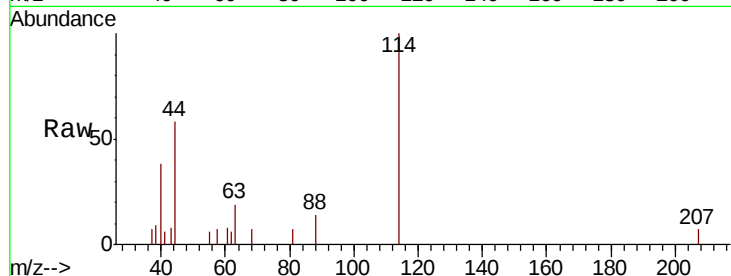
Tot Ion:114 Resp: 4074

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.6

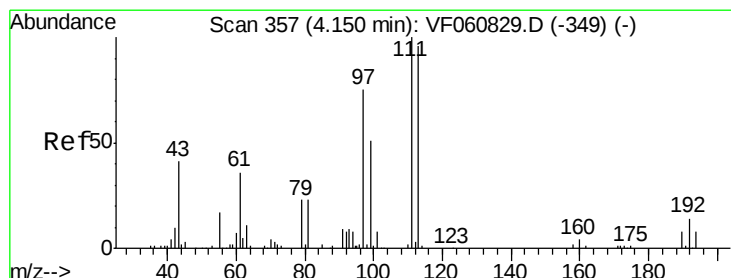
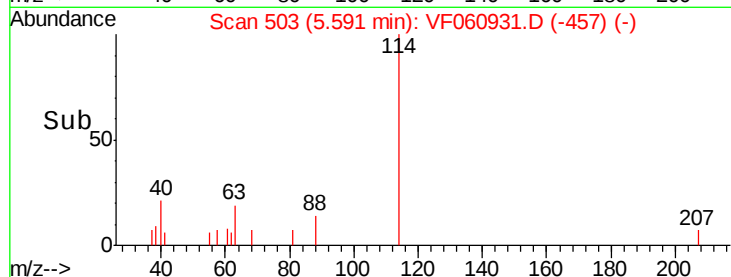
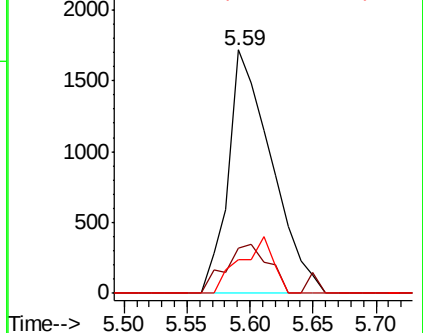
88 13.7 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 26.423 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

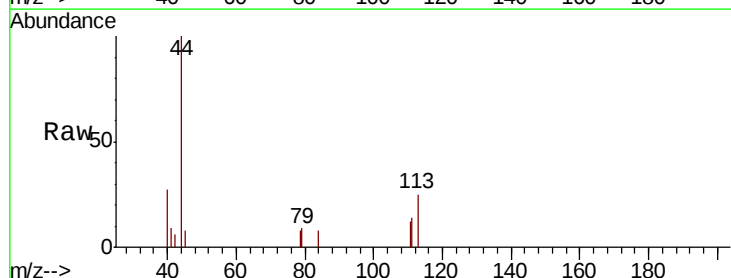
Tgt Ion:113 Resp: 854

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.6

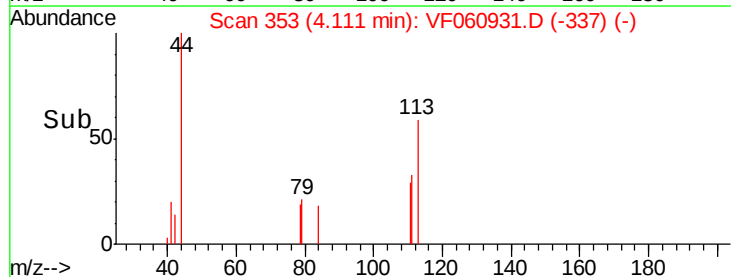
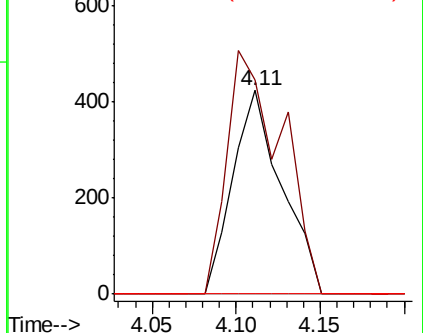
192 0.0 12.3 18.5#

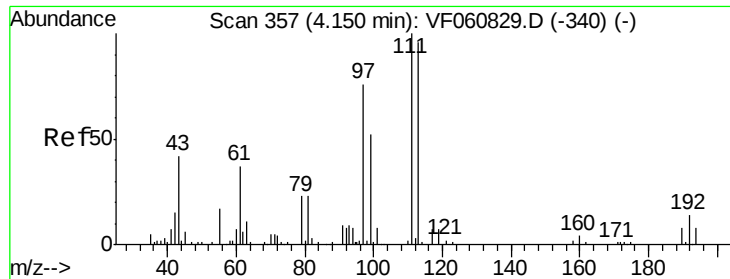


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 20.530 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.07 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

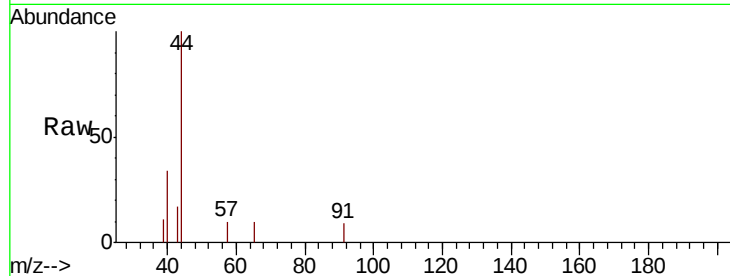
Tot Ion: 43 Resp: 377

Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

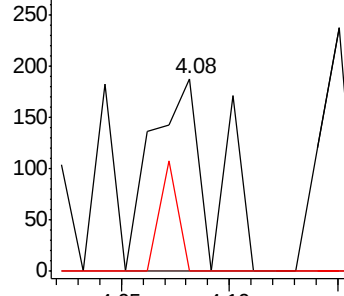
70 0.0 9.0 13.4#



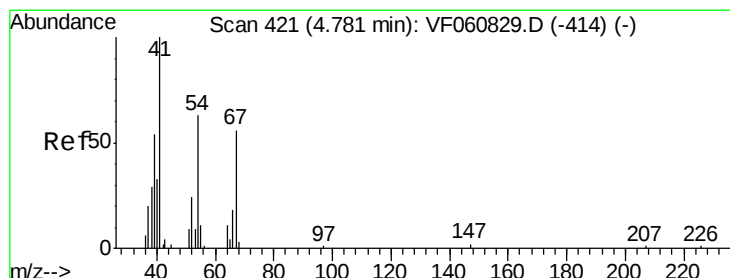
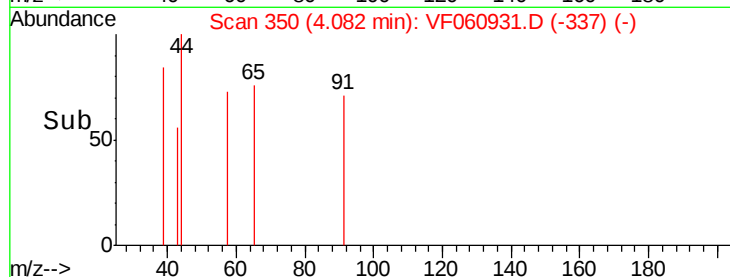
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 12.328 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.02 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Tgt Ion: 41 Resp: 145

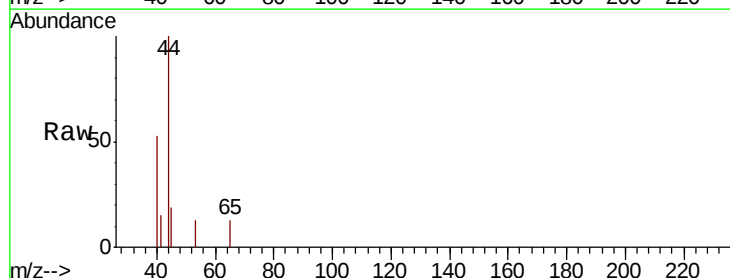
Ion Ratio Lower Upper

41 100

39 0.0 53.0 79.6#

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

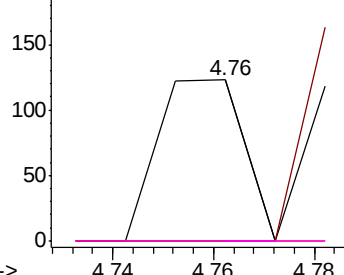


Abundance Ion 41.00 (40.70 to 41.70): VF0

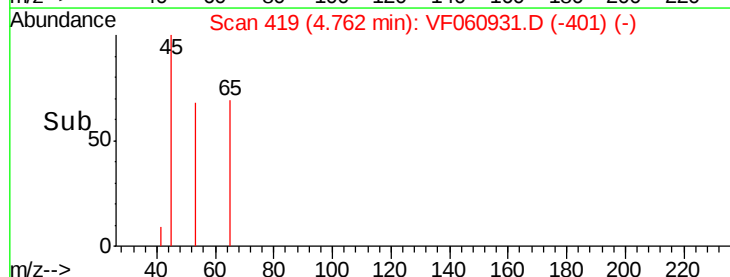
Ion 39.00 (38.70 to 39.70): VF0

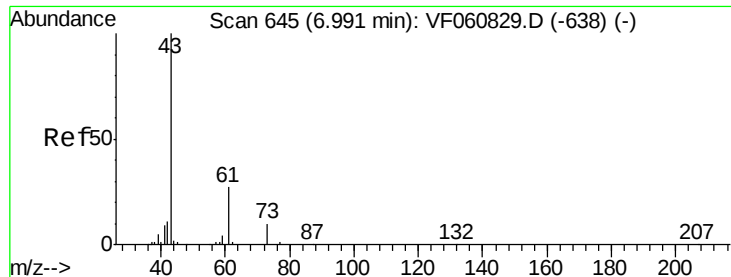
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->





#43

Isopropyl Acetate

Concen: 14.021 ug/l

RT: 6.88 min Scan# 634

Delta R.T. -0.11 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

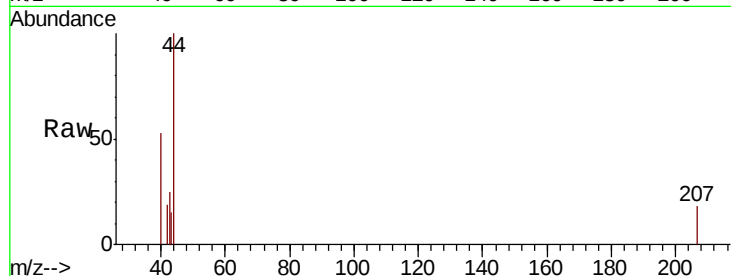
Tot Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

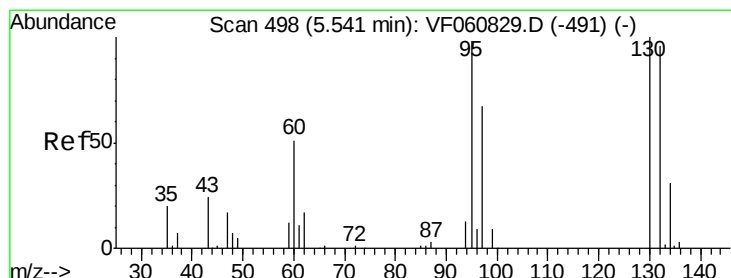
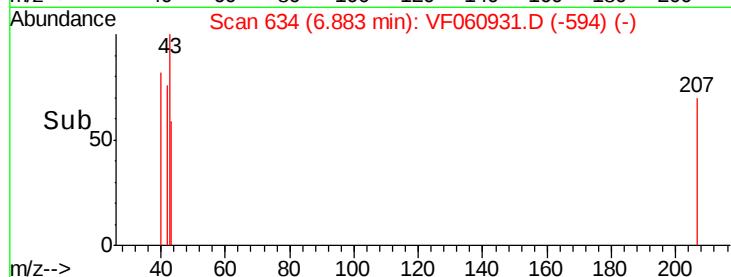
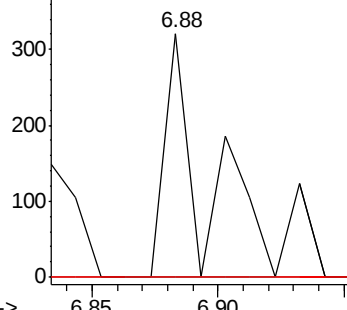
87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 2.390 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.10 min

Lab File: VF060931.D

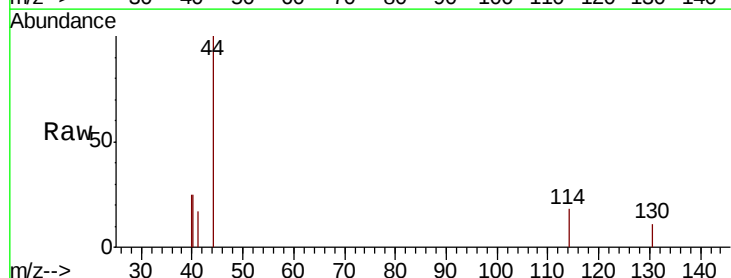
Acq: 6 Dec 2018 21:56

Tgt Ion:130 Resp: 78

Ion Ratio Lower Upper

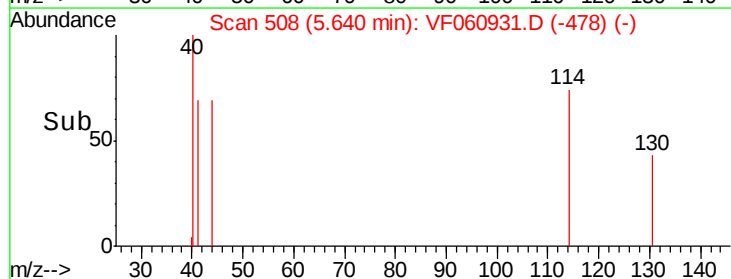
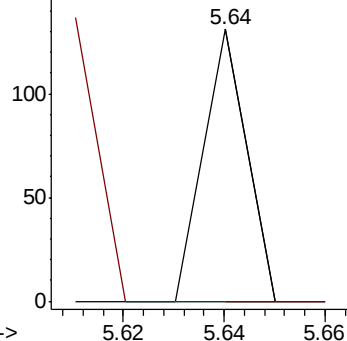
130 100

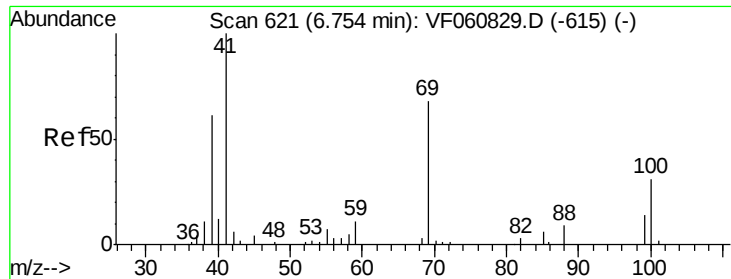
95 0.0 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#48

Methyl methacrylate

Concen: 5.715 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

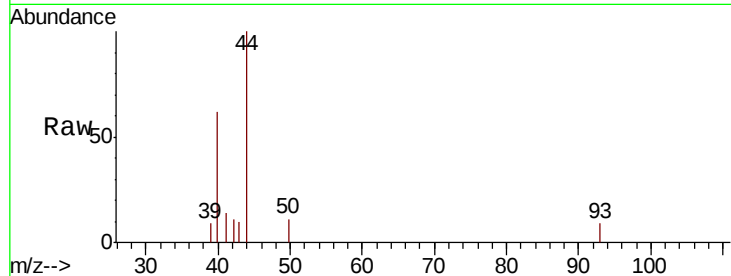
Tot Ion: 41 Resp: 95

Ion Ratio Lower Upper

41 100

69 0.0 53.9 80.9#

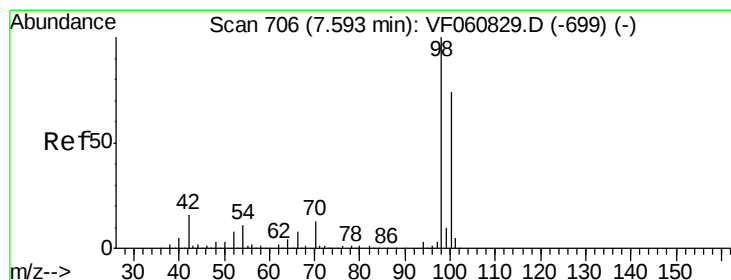
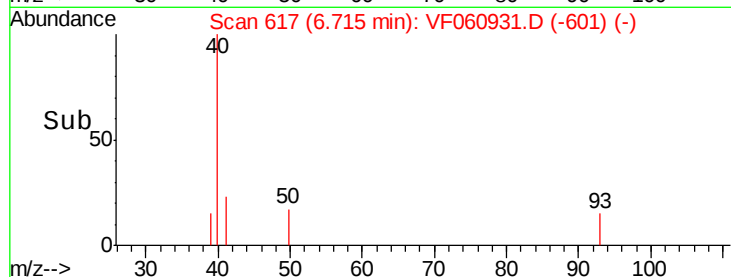
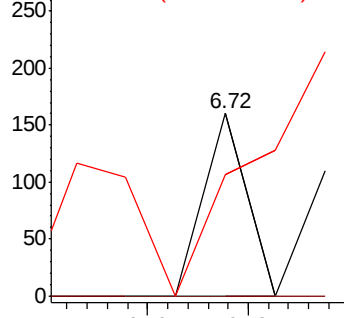
39 66.9 49.0 73.6



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



#50

Toluene-d8

Concen: 31.553 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060931.D

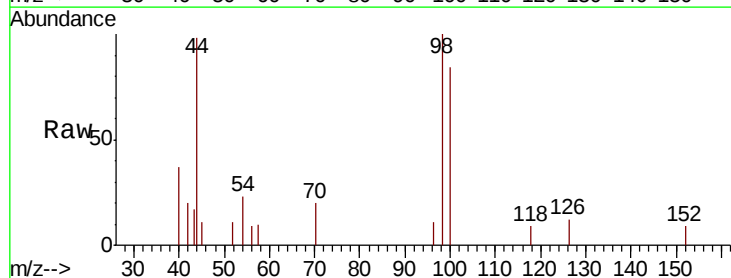
Acq: 6 Dec 2018 21:56

Tgt Ion: 98 Resp: 3004

Ion Ratio Lower Upper

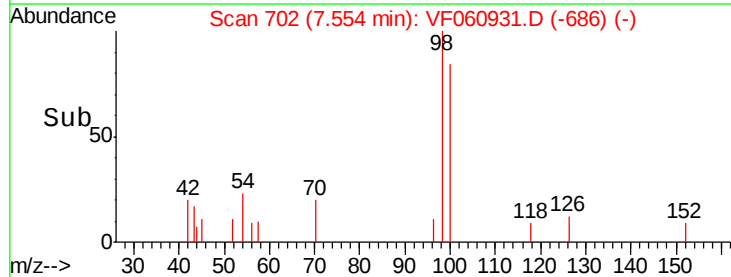
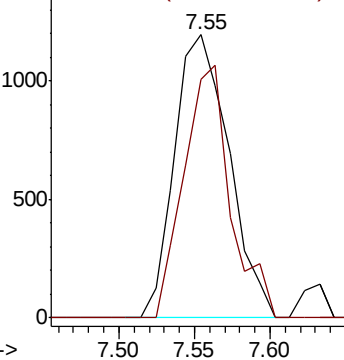
98 100

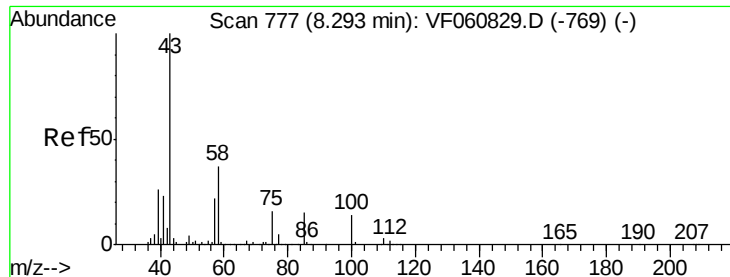
100 84.4 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 18.012 ug/l

RT: 8.21 min Scan# 769

Delta R.T. -0.08 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

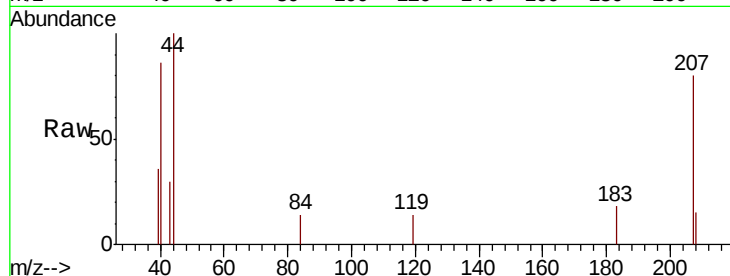
SB-2-(12.5-14.5)

Tot Ion: 43 Resp: 305

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

8.21

250

200

150

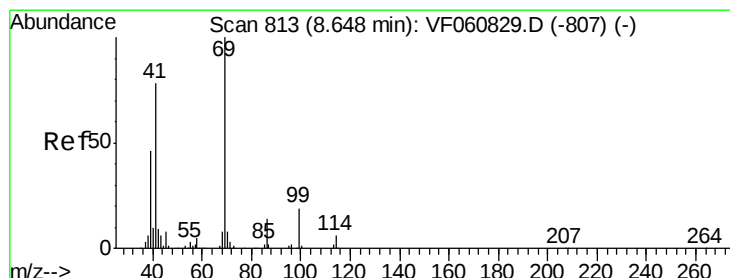
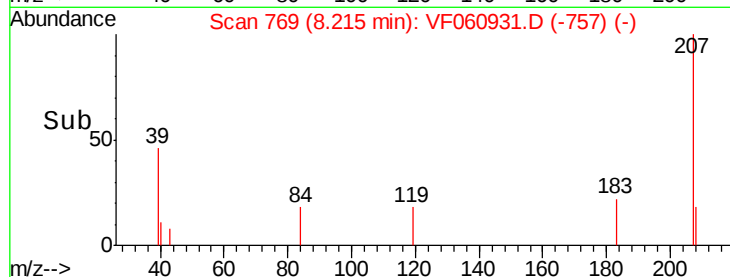
100

50

0

8.20 8.22 8.24 8.26

Time-->



#56

Ethyl methacrylate

Concen: 2.908 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

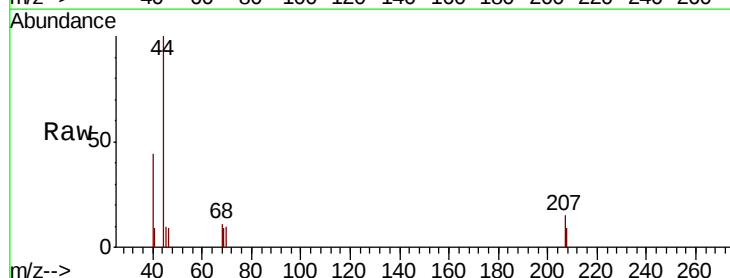
Tgt Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 50.2 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

250

200

150

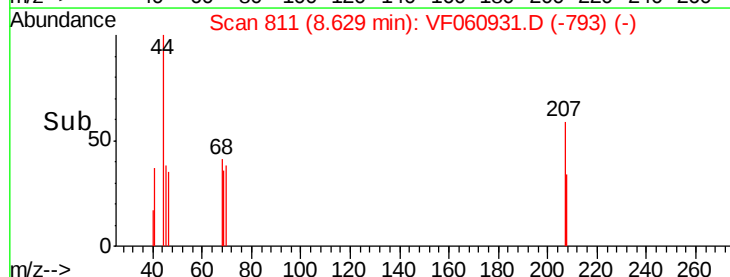
100

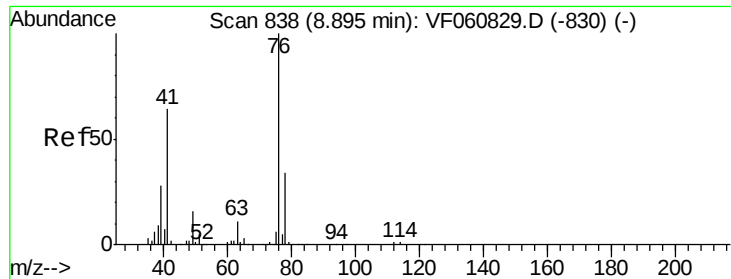
50

0

8.60 8.62 8.64 8.66

Time-->





#57

1,3-Dichloropropane

Concen: 2.294 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

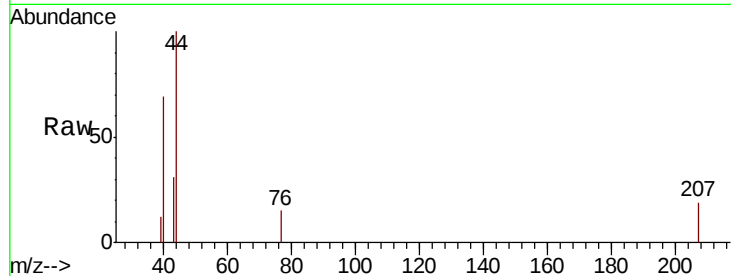
SB-2-(12.5-14.5)

Tot Ion: 76 Resp: 82

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

8.88

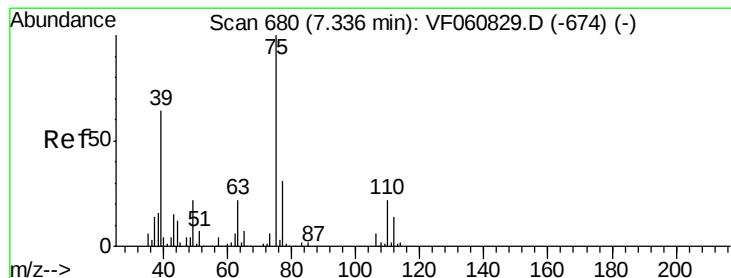
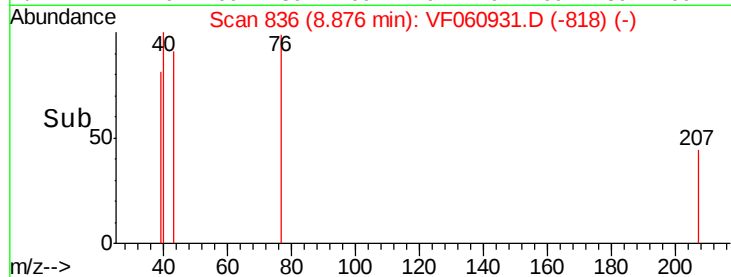
150

100

50

0

Time--> 8.84 8.86 8.88 8.90



#58

2-Chloroethyl Vinyl ether

Concen: 37.904 ug/l

RT: 7.21 min Scan# 667

Delta R.T. -0.13 min

Lab File: VF060931.D

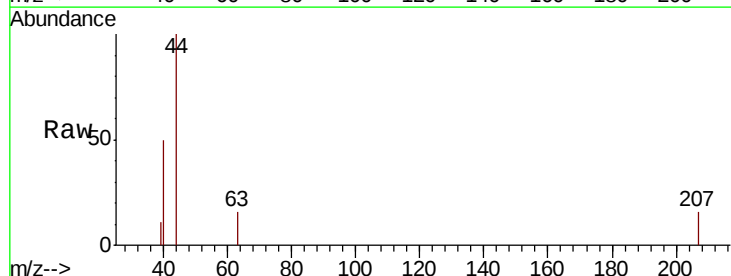
Acq: 6 Dec 2018 21:56

Tgt Ion: 63 Resp: 88

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.21

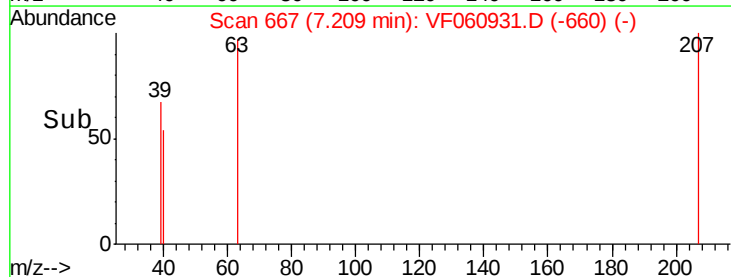
150

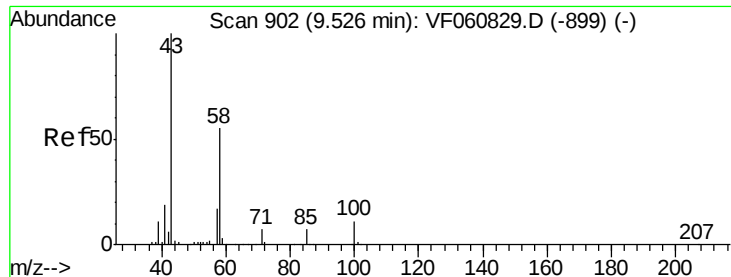
100

50

0

Time--> 7.18 7.20 7.22 7.24

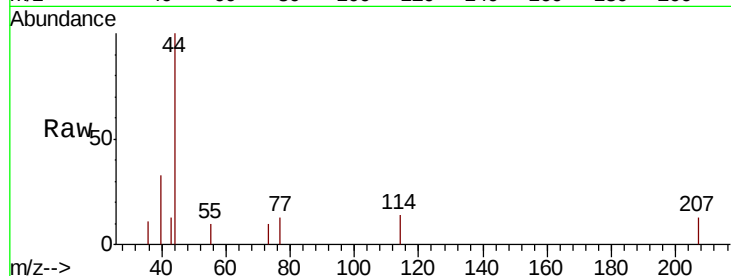




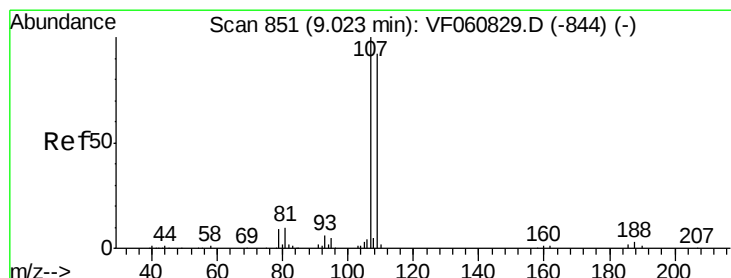
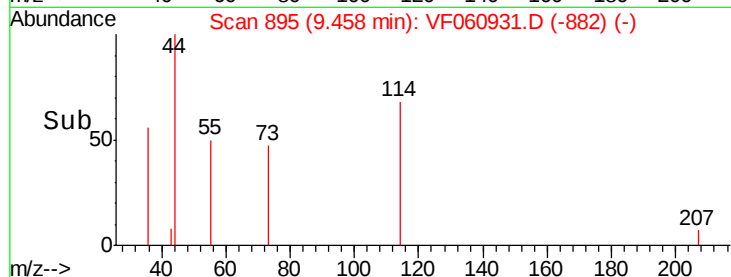
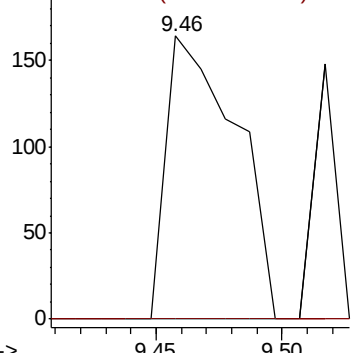
#59
2-Hexanone
Concen: 26.599 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.07 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Instrument :
MSVOA_F
ClientSampleId :
SB-2-(12.5-14.5)

Tot Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#

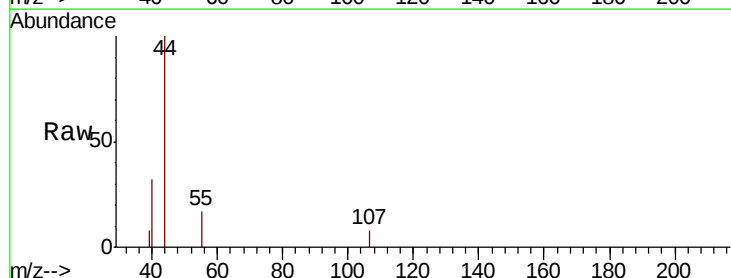


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

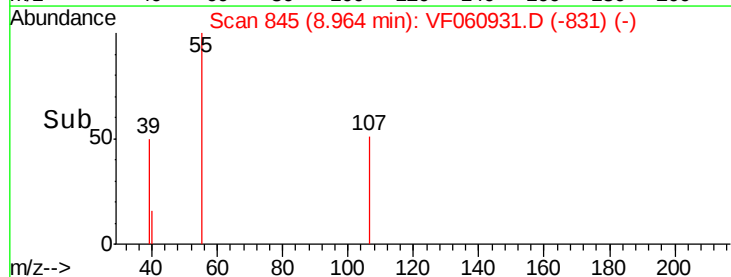
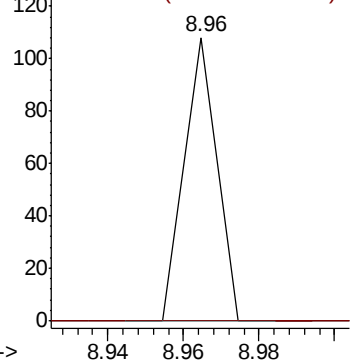


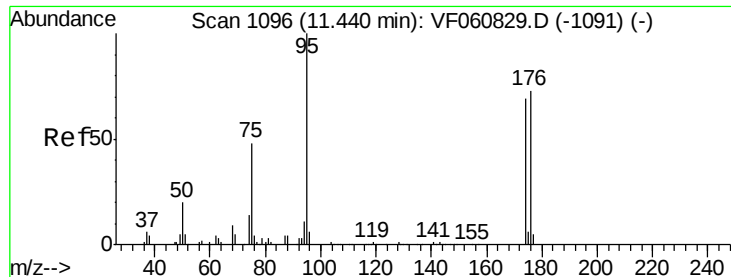
#61
1,2-Dibromoethane
Concen: 2.900 ug/l
RT: 8.96 min Scan# 845
Delta R.T. -0.06 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Tgt Ion: 107 Resp: 64
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: 14.167 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

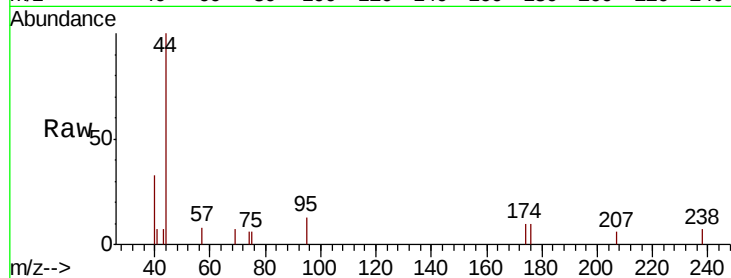
Tot Ion: 95 Resp: 613

Ion Ratio Lower Upper

95 100

174 72.2 0.0 138.2

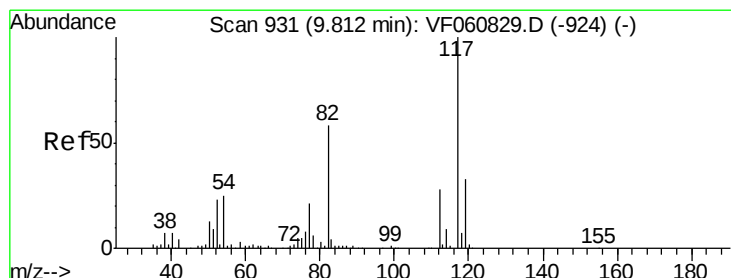
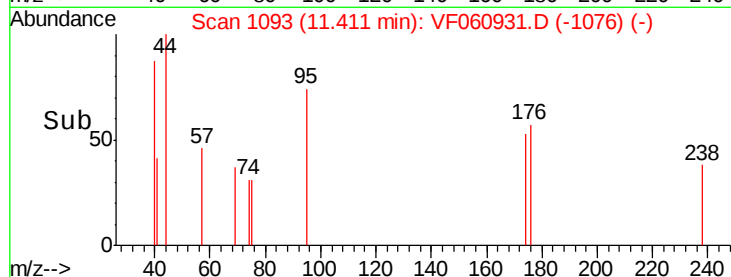
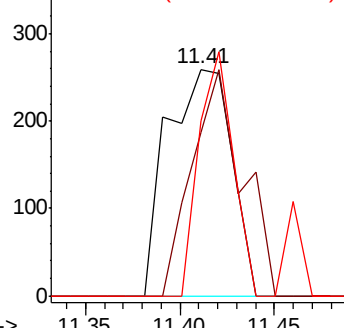
176 77.6 0.0 146.2



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: 9.78 min Scan# 928

Delta R.T. -0.03 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

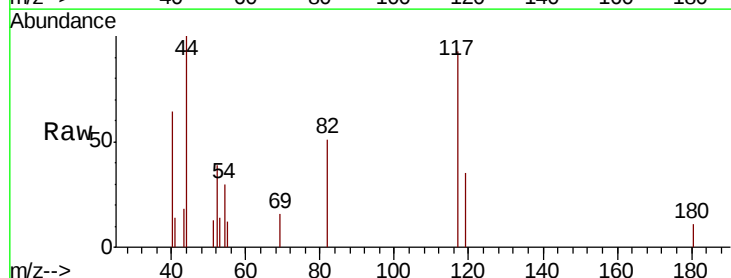
Tgt Ion: 117 Resp: 2214

Ion Ratio Lower Upper

117 100

82 55.0 46.6 69.8

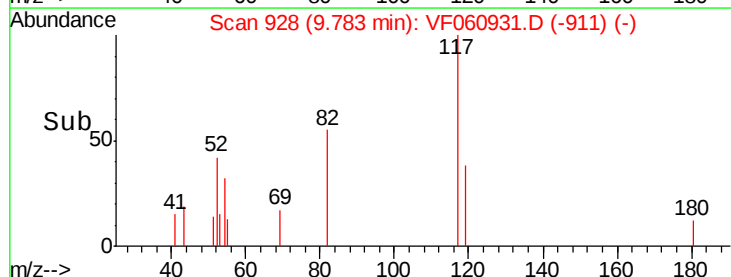
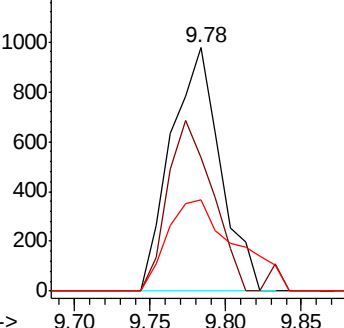
119 37.7 26.4 39.6

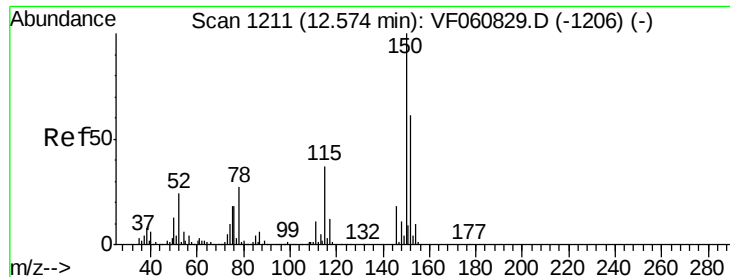


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



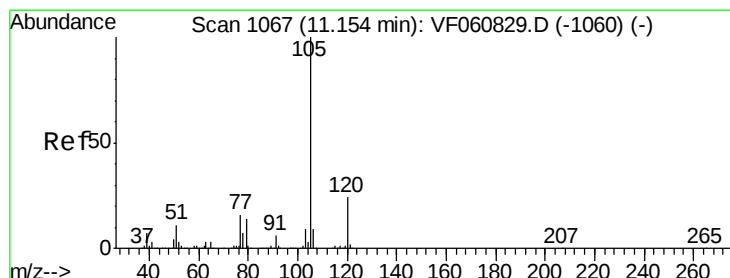
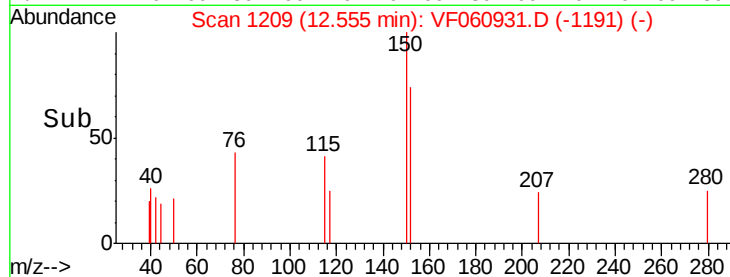
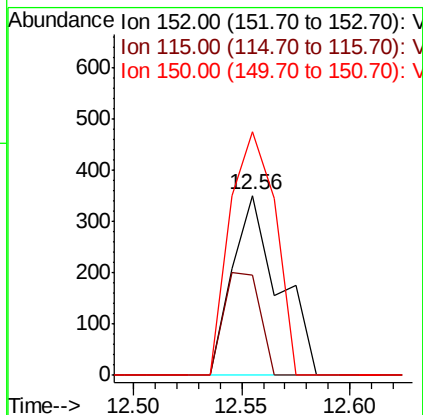
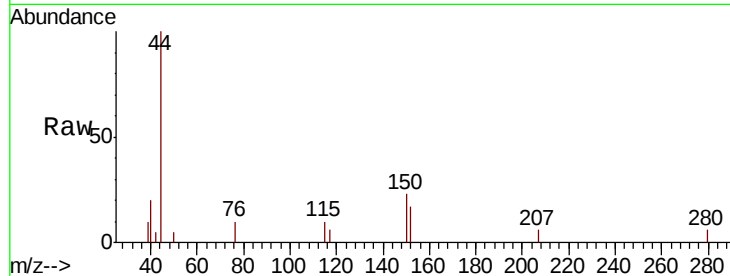


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Instrument :
MSVOA_F
ClientSampleId :
SB-2-(12.5-14.5)

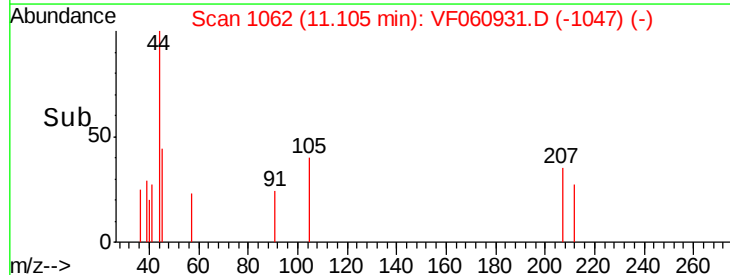
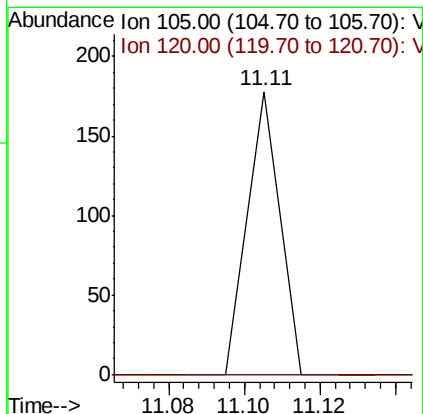
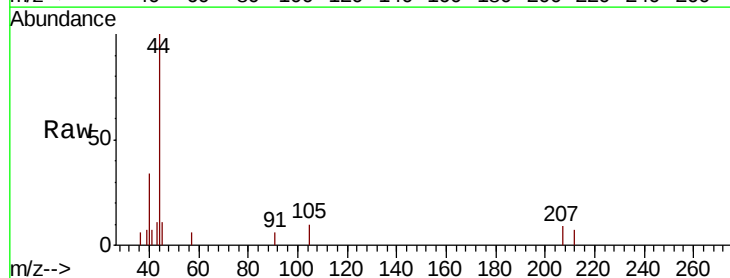
Tot Ion:152 Resp: 527
Ion Ratio Lower Upper
152 100
115 56.1 30.1 90.5
150 135.3 0.0 327.6

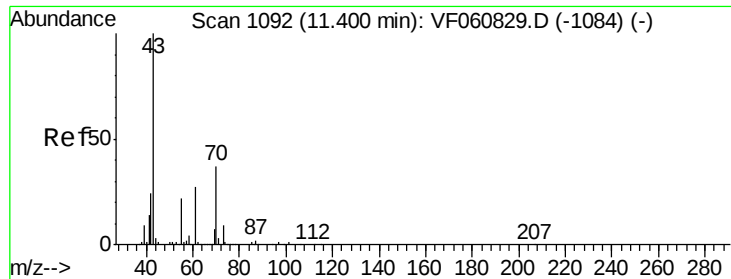


#73

Isopropylbenzene
Concen: 2.521 ug/l
RT: 11.11 min Scan# 1062
Delta R.T. -0.05 min
Lab File: VF060931.D
Acq: 6 Dec 2018 21:56

Tgt Ion:105 Resp: 105
Ion Ratio Lower Upper
105 100
120 0.0 12.2 36.4#





#74

N-amvl acetate

Concen: 19.653 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

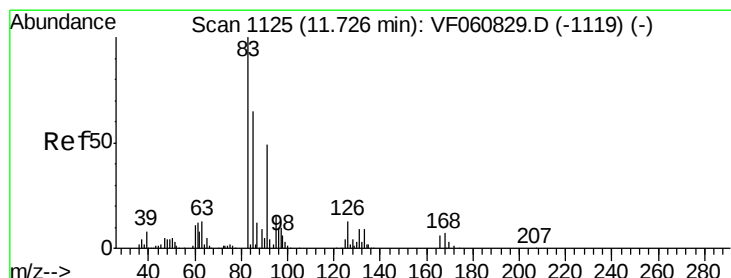
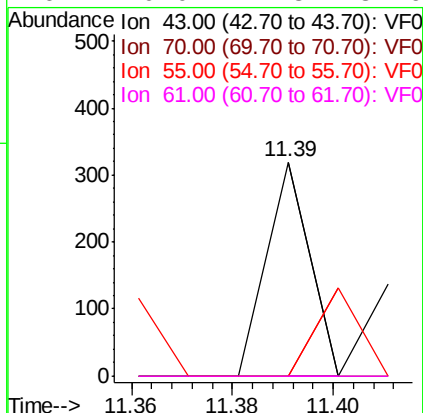
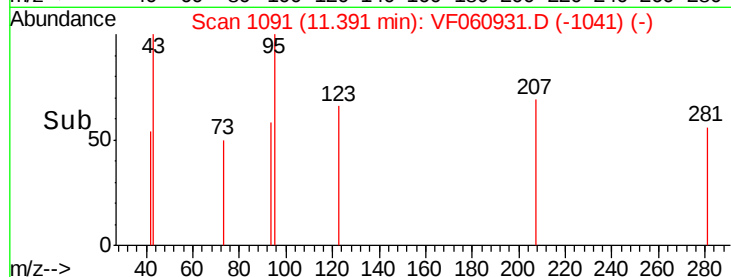
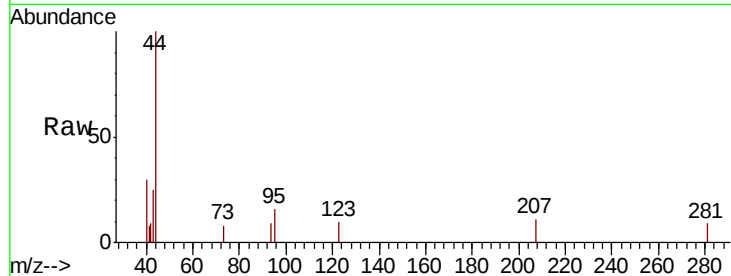
MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

Tot Ion: 43 Resp: 189

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#



#75

1,1,2,2-Tetrachloroethane

Concen: 12.110 ug/l

RT: 11.79 min Scan# 1131

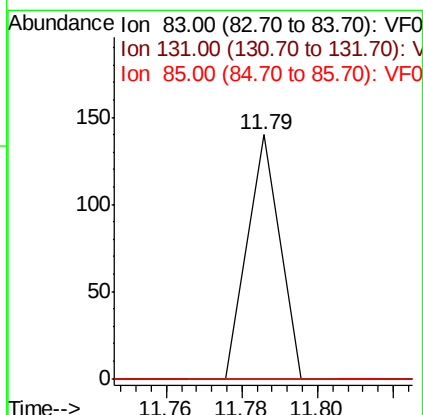
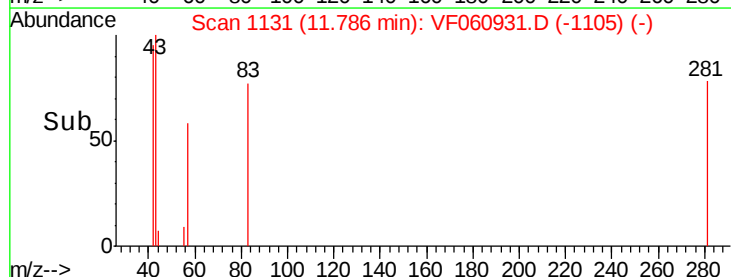
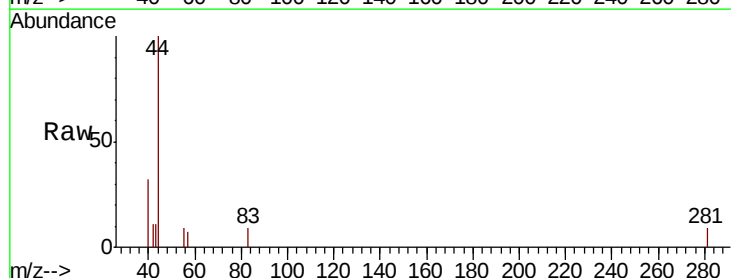
Delta R.T. 0.06 min

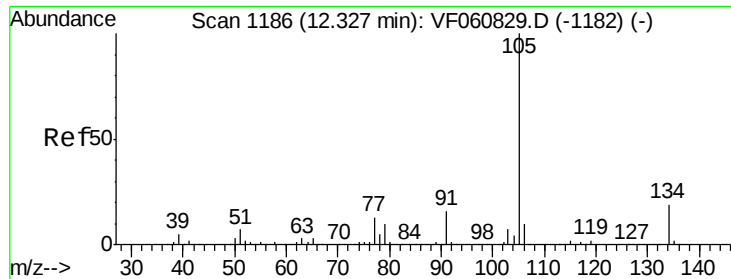
Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Tgt Ion: 83 Resp: 83

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

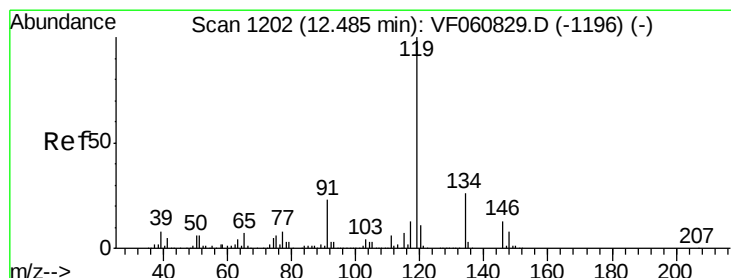
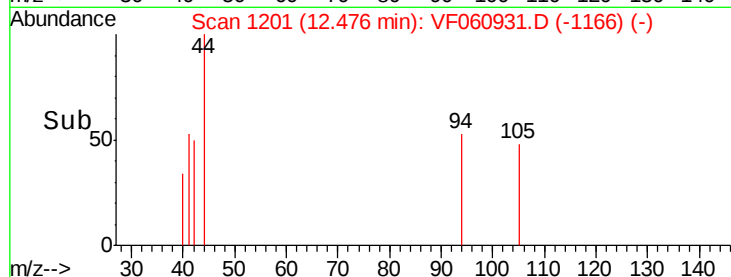
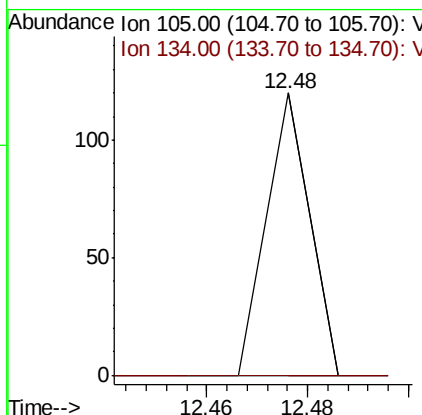
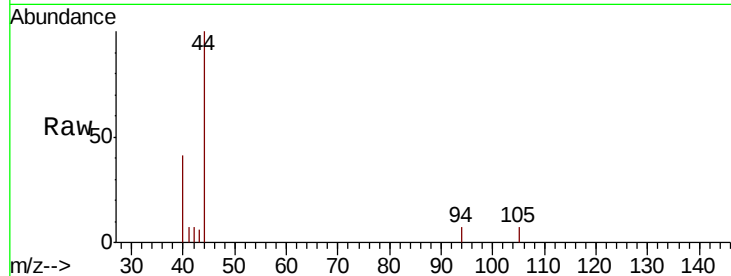




#85
 sec-Butylbenzene
 Concen: 1.506 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.15 min
 Lab File: VF060931.D
 Acq: 6 Dec 2018 21:56

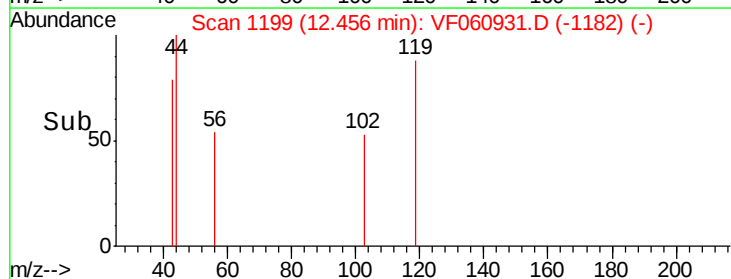
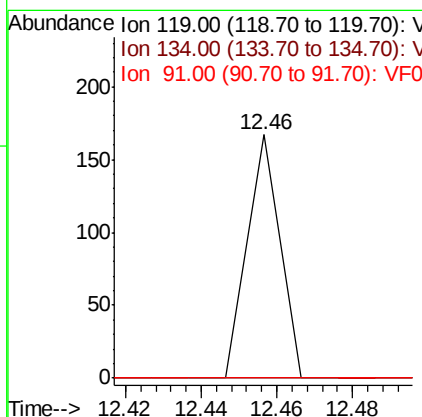
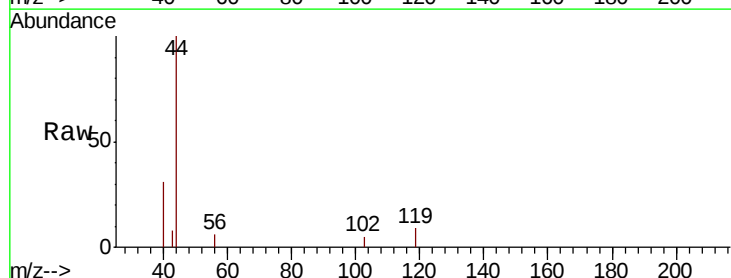
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2-(12.5-14.5)

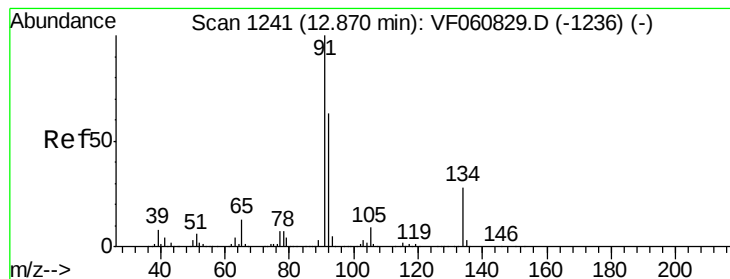
Tot Ion:105 Resp: 71
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#



#86
 p-Isopropyltoluene
 Concen: 2.505 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060931.D
 Acq: 6 Dec 2018 21:56

Tgt Ion:119 Resp: 99
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.6#
 91 0.0 11.8 35.3#





#89

n-Butylbenzene

Concen: 1.952 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. 0.09 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SB-2-(12.5-14.5)

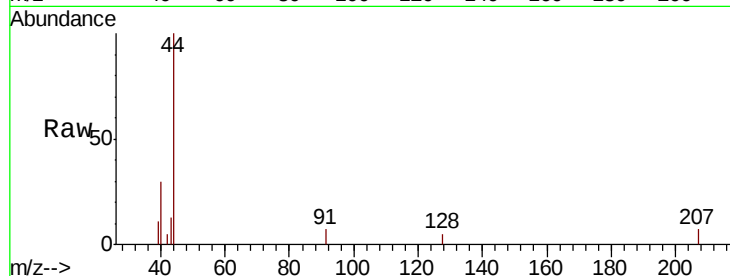
Tot Ion: 91 Resp: 78

Ion Ratio Lower Upper

91 100

92 0.0 31.6 94.7#

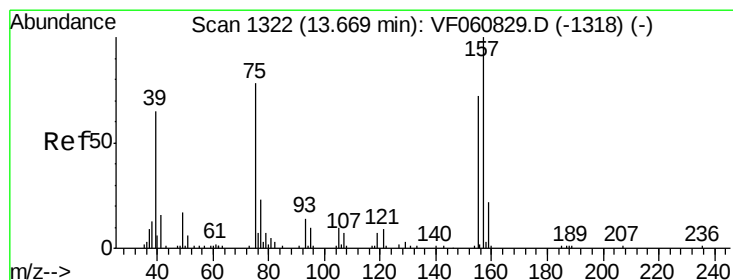
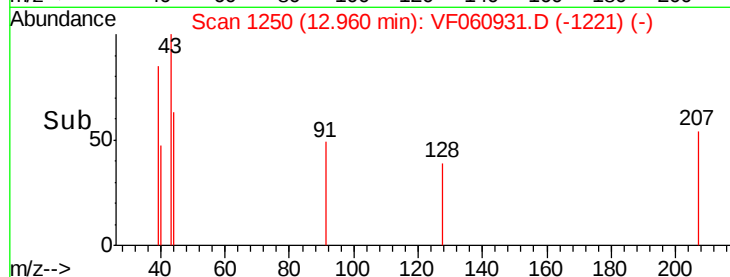
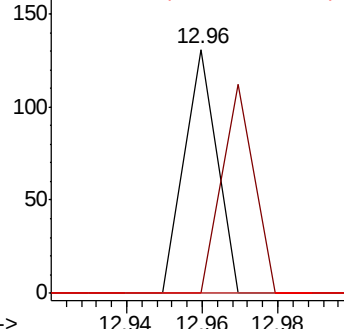
134 0.0 13.8 41.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.597 ug/l

RT: 13.53 min Scan# 1308

Delta R.T. -0.14 min

Lab File: VF060931.D

Acq: 6 Dec 2018 21:56

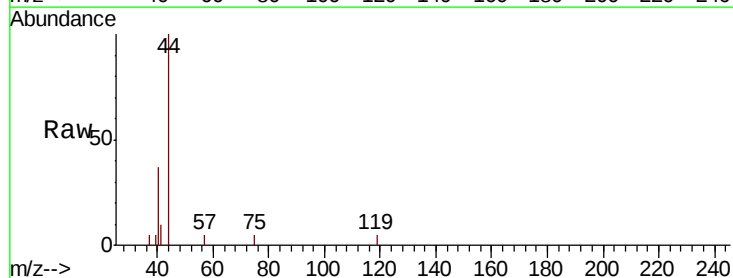
Tgt Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

155 0.0 45.6 136.9#

157 0.0 63.8 191.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

