

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061598.D
 Acq On : 11 Feb 2019 21:00
 Operator : VA/AP
 Sample : K1458-06RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4RE

Quant Time: Feb 12 03:29:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	2076	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.57	114	2605	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	1763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	244	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	307	11.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	23.96%	
35) Dibromofluoromethane	4.14	113	62	3.02	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	6.04%	
50) Toluene-d8	7.53	98	2362	41.94	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	83.88%	
62) 4-Bromofluorobenzene	11.32	95	71	2.70	ug/l	-0.08
Spiked Amount				50.000		
			Recovery	=	5.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	66	1.618	ug/l #	38
3) Chloromethane	1.12	50	331	11.067	ug/l #	44
4) Vinyl Chloride	1.14	62	87	3.270	ug/l #	1
5) Bromomethane	1.32	94	336	19.367	ug/l #	2
6) Chloroethane	1.37	64	66	5.598	ug/l #	1
7) Trichlorofluoromethane	1.47	101	65	1.257	ug/l #	19
8) Diethyl Ether	1.57	74	59	8.902	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.91	101	78	3.139	ug/l #	20
10) Methyl Iodide	1.97	142	77	1.999	ug/l #	27
11) Tert butyl alcohol	2.52	59	85	78.348	ug/l #	64
12) 1,1-Dichloroethene	1.78	96	81	4.387	ug/l #	1
13) Acrolein	2.03	56	318	336.563	ug/l	86
14) Allyl chloride	2.04	41	304	2.099	ug/l #	73
15) Acrylonitrile	2.95	53	809	291.112	ug/l #	14
16) Acetone	2.26	43	851	165.504	ug/l #	39
17) Carbon Disulfide	1.81	76	64	1.112	ug/l #	69
18) Methyl Acetate	2.31	43	1085	106.403	ug/l #	61
19) Methyl tert-butyl Ether	2.43	73	72	1.740	ug/l #	59
20) Methylene Chloride	2.17	84	98	3.998	ug/l #	1
21) trans-1,2-Dichloroethene	2.34	96	74	3.643	ug/l #	1
22) Diisopropyl ether	2.83	45	367	5.585	ug/l #	1
23) Vinyl Acetate	3.17	43	664	25.875	ug/l #	78
24) 1,1-Dichloroethane	2.88	63	78	1.891	ug/l #	1
25) 2-Butanone	4.32	43	67	7.836	ug/l #	57
26) 2,2-Dichloropropane	3.60	77	62	2.447	ug/l #	61
27) cis-1,2-Dichloroethene	3.42	96	63	2.101	ug/l	1
29) Tetrahydrofuran	4.08	42	74	20.098	ug/l #	38
31) Cyclohexane	3.67	56	72	1.748	ug/l #	13
32) 1,1,1-Trichloroethane	3.99	97	66	1.617	ug/l #	22
36) 1,1-Dichloropropene	4.13	75	91	3.013	ug/l #	44
37) Ethyl Acetate	4.07	43	143	11.844	ug/l #	5
41) Methacrylonitrile	4.77	41	89	13.854	ug/l #	45
42) 1,2-Dichloroethane	4.92	62	64	2.672	ug/l	76
43) Isopropyl Acetate	6.94	43	140	9.239	ug/l #	51

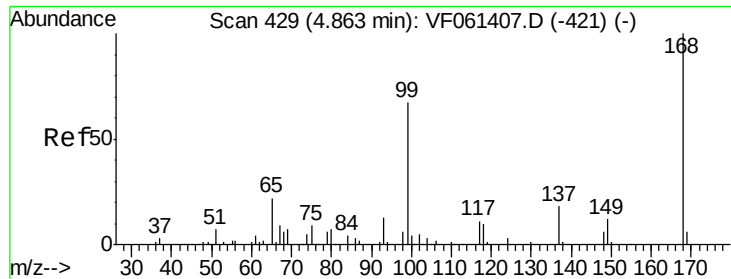
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	5.93	93	89	7.588	ug/l #	6
48) Methyl methacrylate	6.68	41	88	8.648	ug/l #	19
51) 4-Methyl-2-Pentanone	8.23	43	63	5.655	ug/l #	39
56) Ethyl methacrylate	8.46	69	64	4.377	ug/l #	21
57) 1,3-Dichloropropane	8.86	76	63	2.674	ug/l #	43
59) 2-Hexanone	9.48	43	190	24.459	ug/l	100
67) Ethyl Benzene	9.84	91	67	1.023	ug/l #	46
68) m/p-Xylenes	10.09	106	88	3.735	ug/l #	1
74) N-amyl acetate	11.40	43	242	51.570	ug/l #	47
79) 2-Chlorotoluene	11.76	91	72	5.229	ug/l #	45
82) 4-Chlorotoluene	11.76	91	72	5.182	ug/l #	43
83) tert-Butylbenzene	12.08	119	66	3.982	ug/l #	28
86) p-Isopropyltoluene	12.30	119	72	3.896	ug/l #	50
91) 1,2-Dichlorobenzene	12.77	146	64	8.163	ug/l #	24
93) 1,2,4-Trichlorobenzene	14.31	180	62	11.289	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

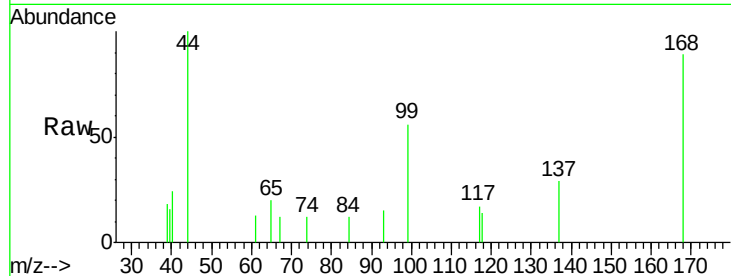
SB-4RE

Tot Ion:168 Resp: 2076

Ion Ratio Lower Upper

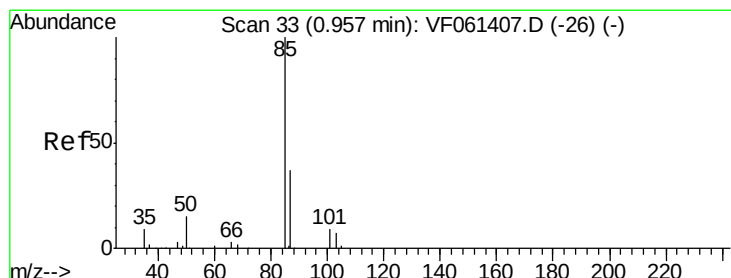
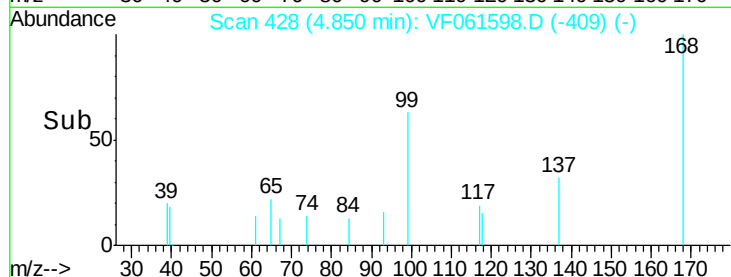
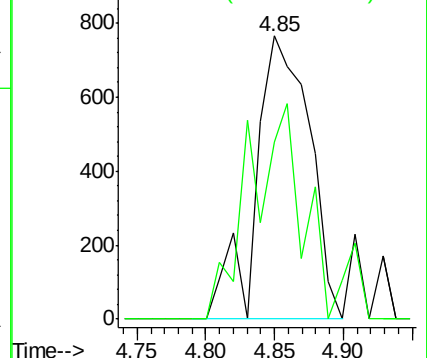
168 100

99 62.7 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.618 ug/l

RT: 0.98 min Scan# 36

Delta R.T. 0.03 min

Lab File: VF061598.D

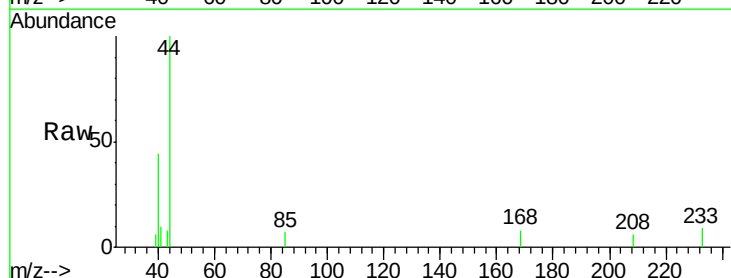
Acq: 11 Feb 2019 21:00

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

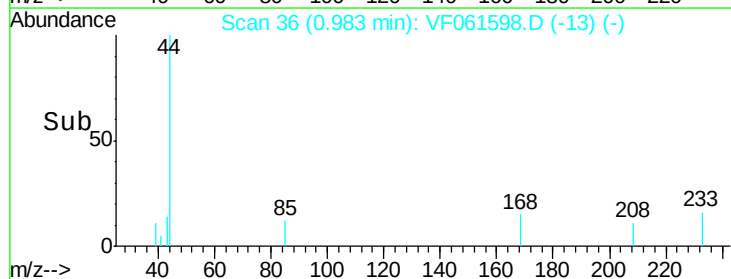
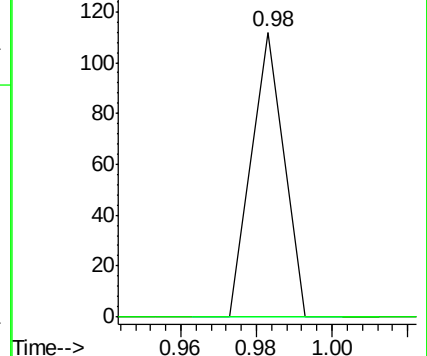
85 100

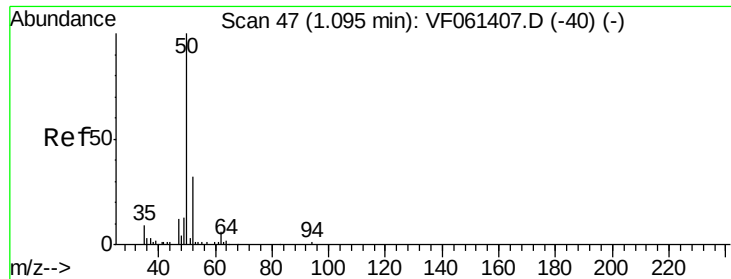
87 0.0 18.4 55.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 11.067 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.03 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

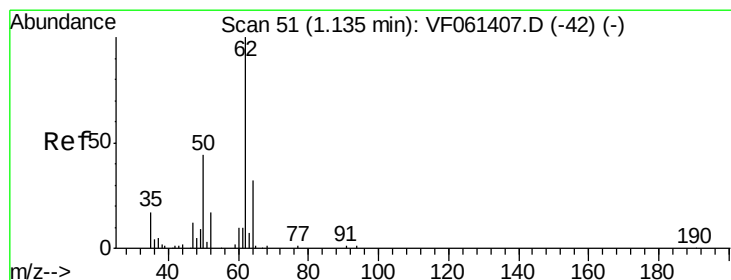
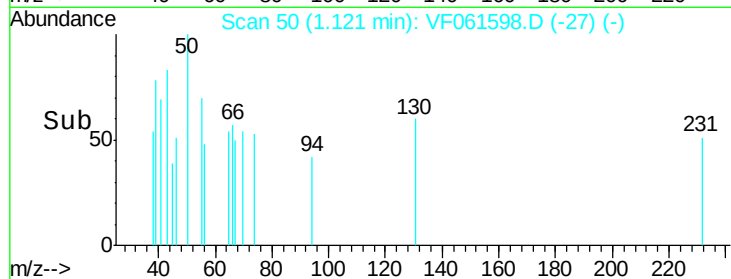
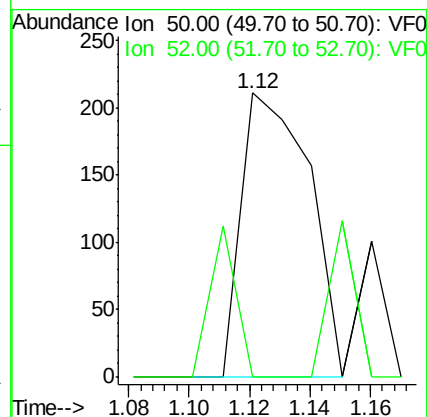
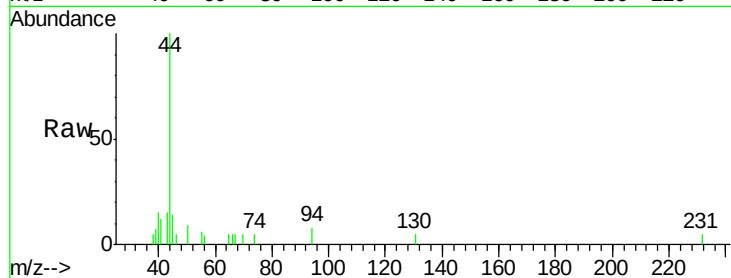
SB-4RE

Tot Ion: 50 Resp: 331

Ion Ratio Lower Upper

50 100

52 0.0 24.6 36.8#



#4

Vinyl Chloride

Concen: 3.270 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061598.D

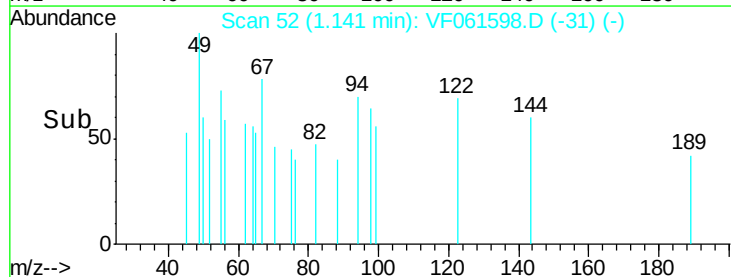
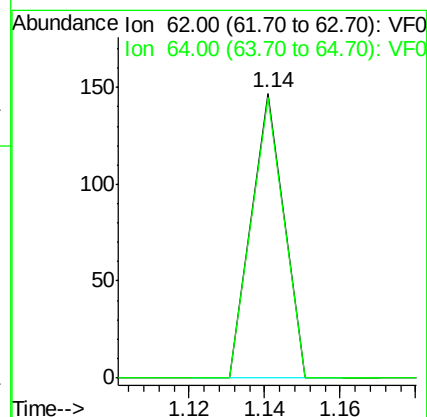
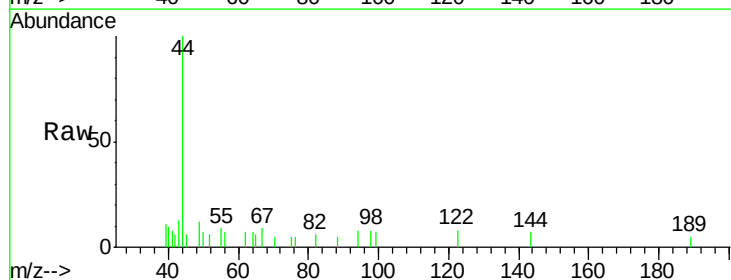
Acq: 11 Feb 2019 21:00

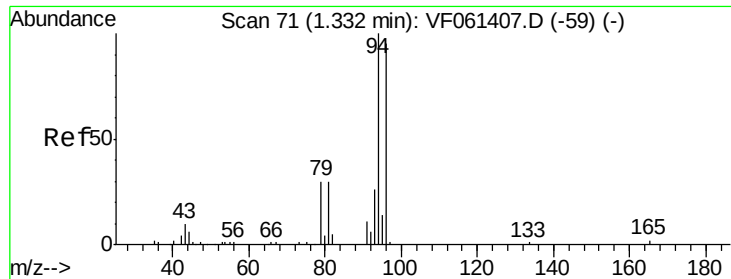
Tgt Ion: 62 Resp: 87

Ion Ratio Lower Upper

62 100

64 98.6 25.6 38.4#





#5

Bromomethane

Concen: 19.367 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

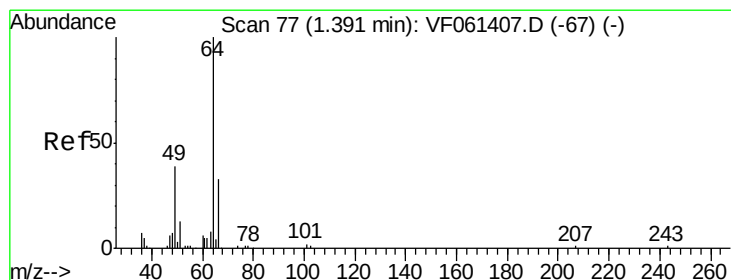
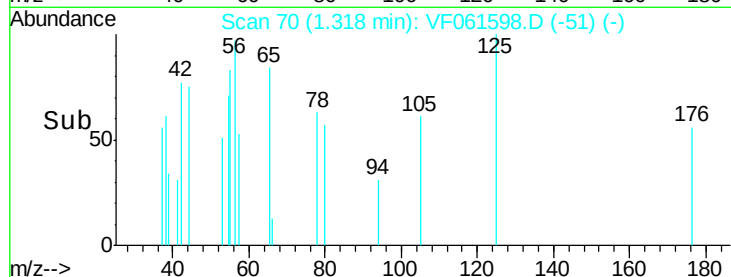
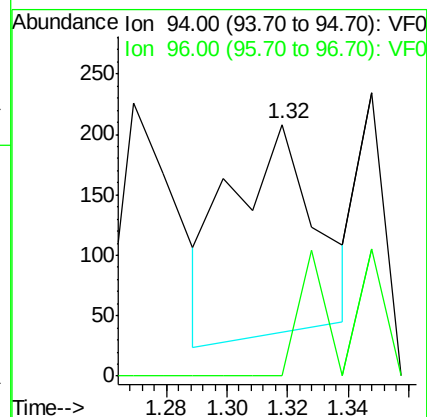
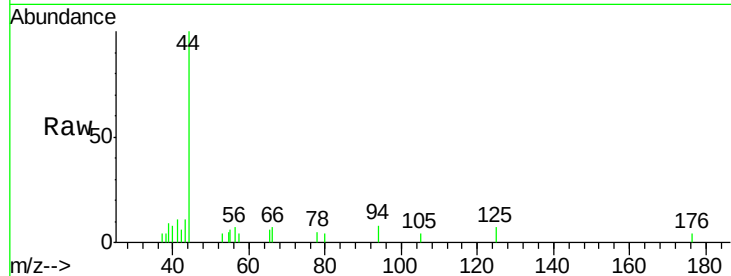
SB-4RE

Tot Ion: 94 Resp: 336

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: 5.598 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061598.D

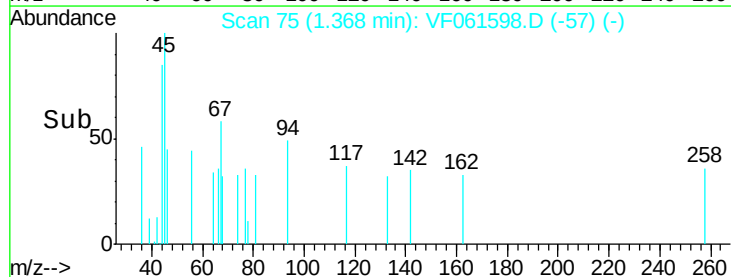
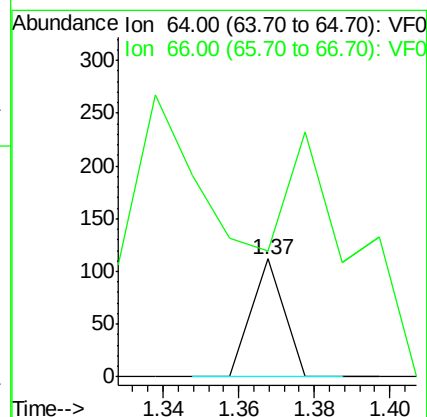
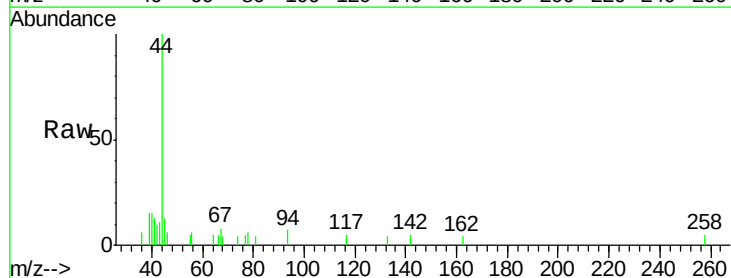
Acq: 11 Feb 2019 21:00

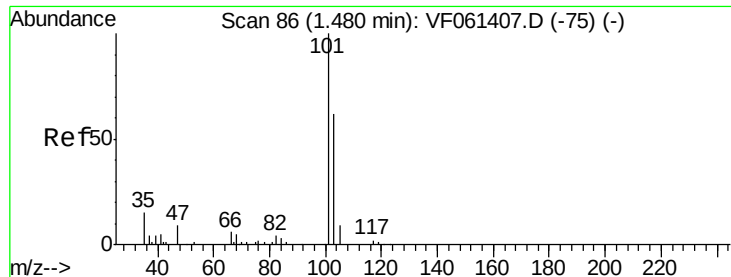
Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 107.1 26.6 40.0#





#7

Trichlorofluoromethane

Concen: 1.257 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

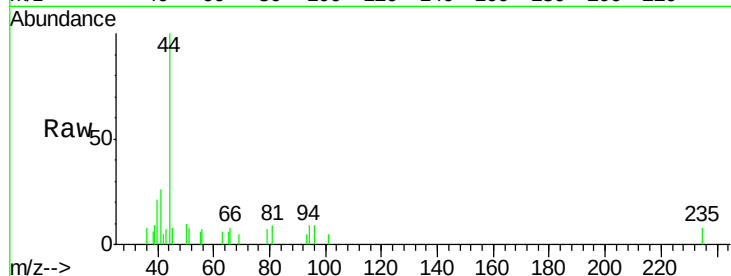
SB-4RE

Tot Ion:101 Resp: 65

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#

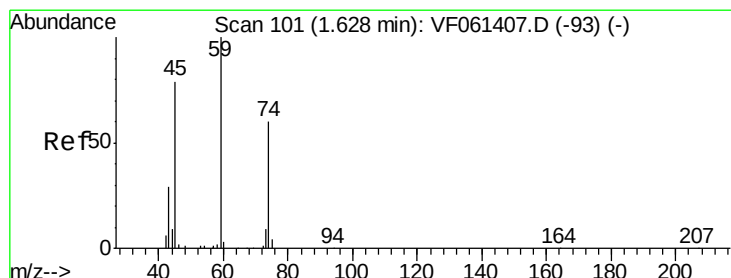
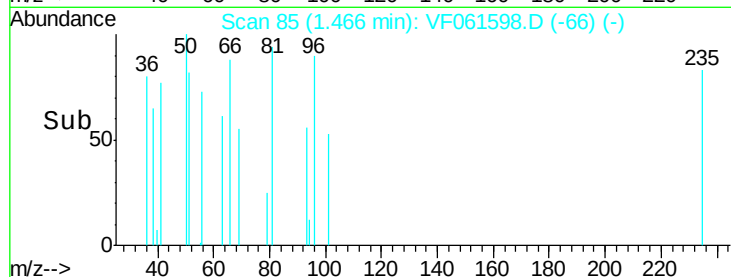


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.47

Time-->



#8

Diethyl Ether

Concen: 8.902 ug/l

RT: 1.57 min Scan# 96

Delta R.T. -0.05 min

Lab File: VF061598.D

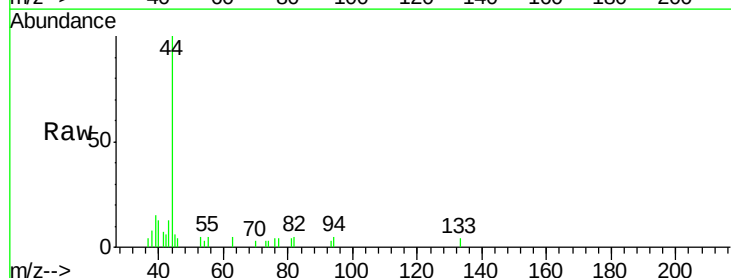
Acq: 11 Feb 2019 21:00

Tgt Ion: 74 Resp: 59

Ion Ratio Lower Upper

74 100

45 169.0 65.8 197.5

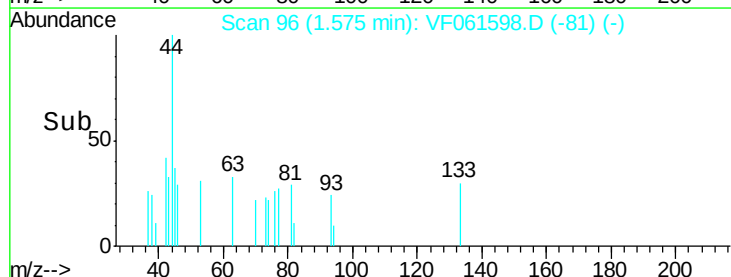


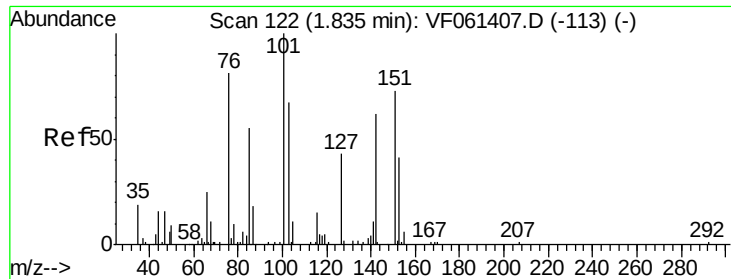
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.57

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.139 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.07 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

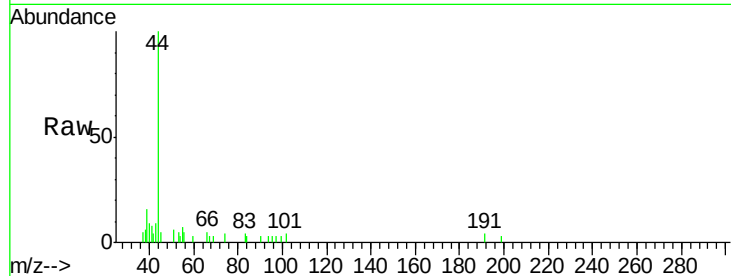
Tot Ion:101 Resp: 78

Ion Ratio Lower Upper

101 100

85 0.0 41.9 62.9#

151 0.0 55.1 82.7#



Abundance Ion 101.00 (100.70 to 101.70): V

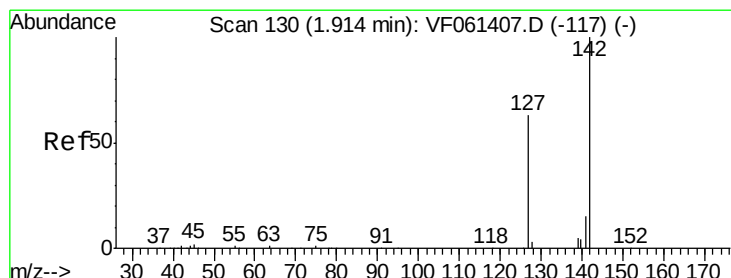
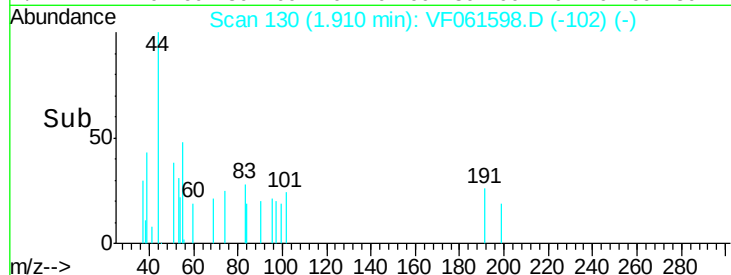
Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

1.91

1.92

Time-->



#10

Methyl Iodide

Concen: 1.999 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.06 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

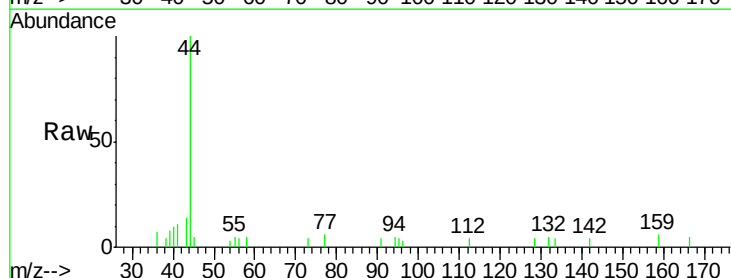
Tgt Ion:142 Resp: 77

Ion Ratio Lower Upper

142 100

127 0.0 50.7 76.1#

141 0.0 11.8 17.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

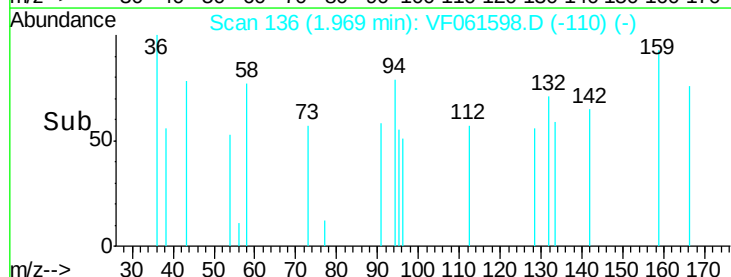
Ion 141.00 (140.70 to 141.70): V

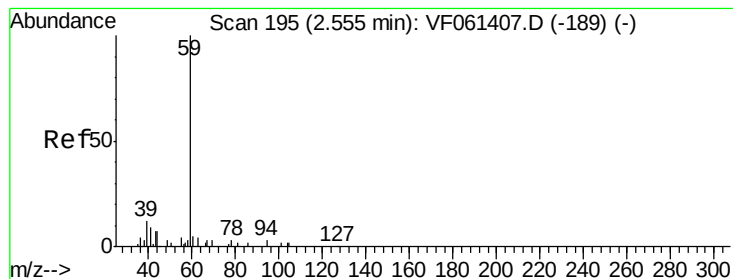
1.97

1.98

2.00

Time-->





#11

Tert butyl alcohol

Concen: 78.348 ug/l

RT: 2.52 min Scan# 192

Delta R.T. -0.03 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

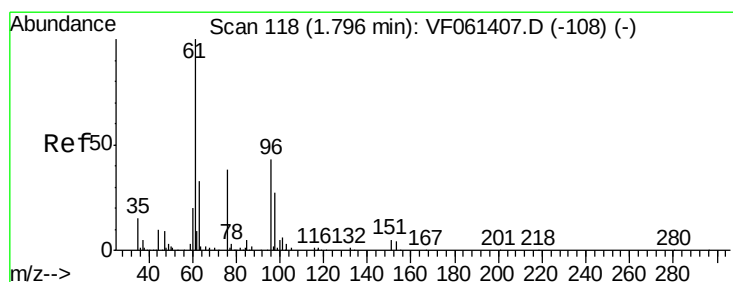
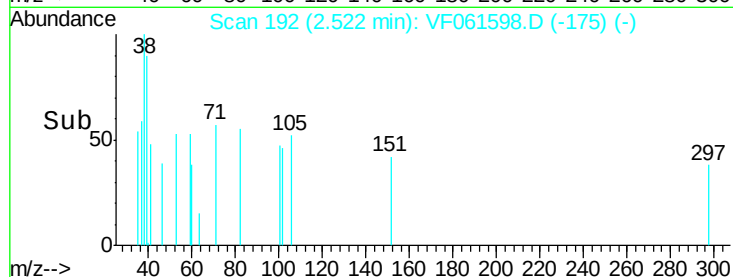
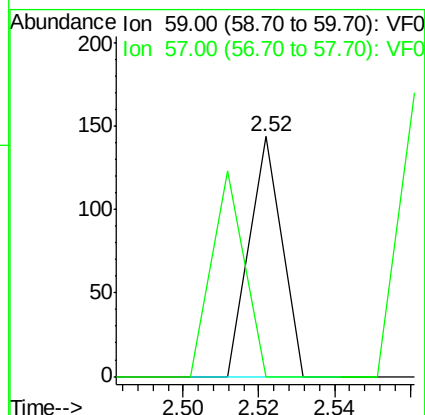
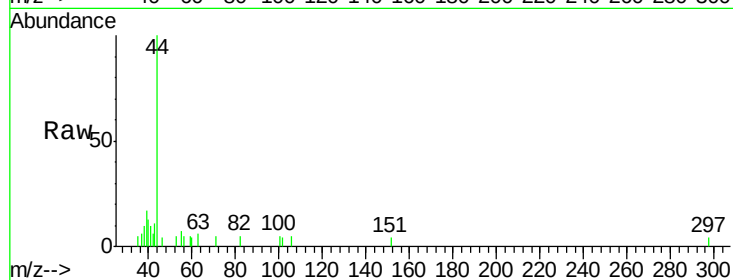
SB-4RE

Tot Ion: 59 Resp: 85

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



#12

1,1-Dichloroethene

Concen: 4.387 ug/l

RT: 1.78 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

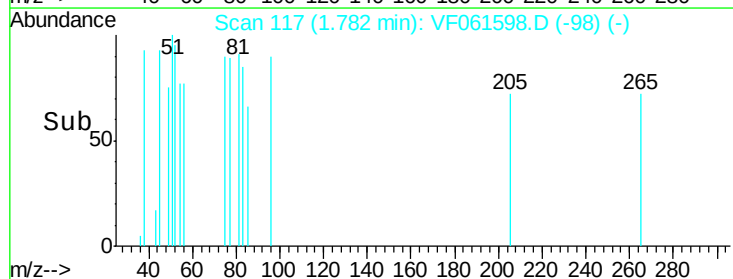
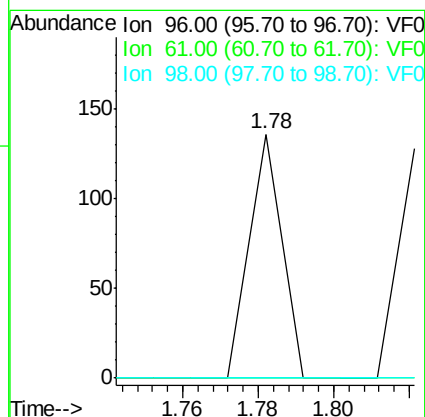
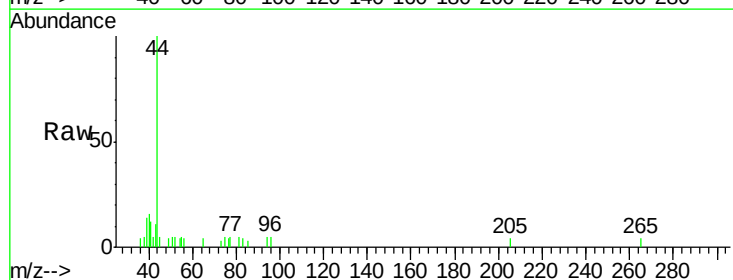
Tgt Ion: 96 Resp: 81

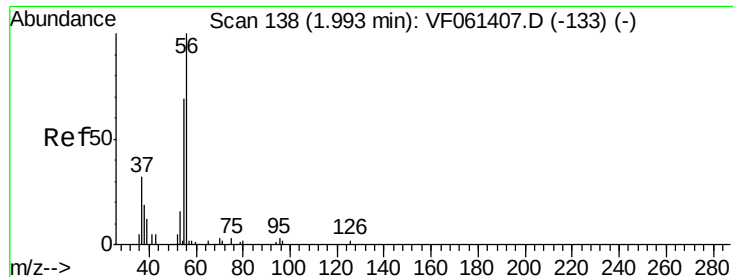
Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

98 0.0 53.0 79.4#





#13

Acrolein

Concen: 336.563 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.04 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

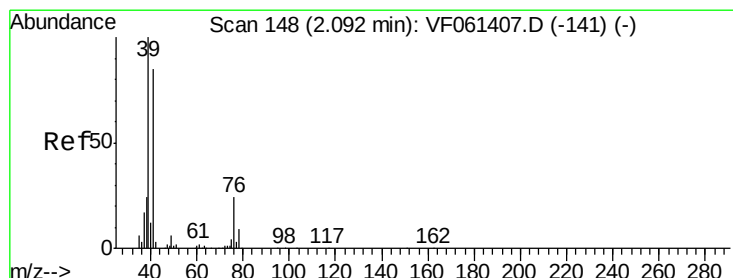
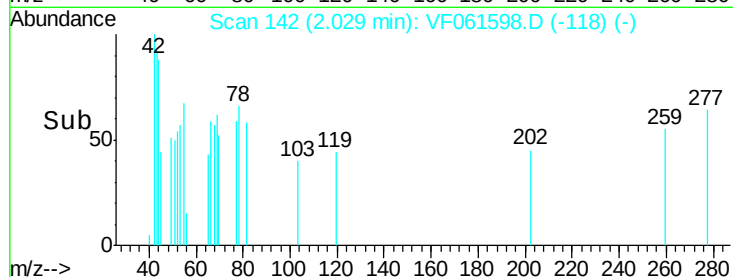
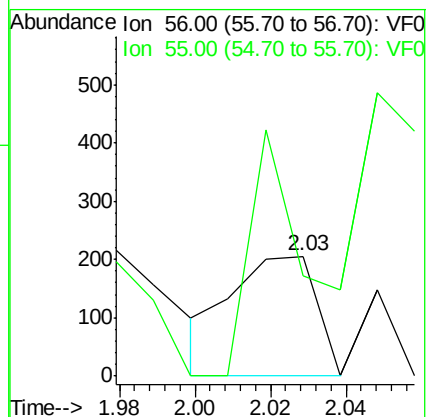
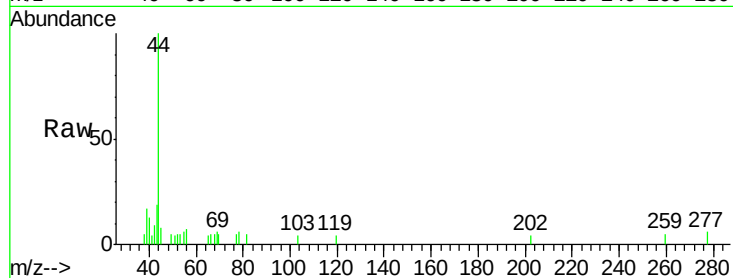
SB-4RE

Tot Ion: 56 Resp: 318

Ion Ratio Lower Upper

56 100

55 83.5 57.5 86.3



#14

Allyl chloride

Concen: 2.099 ug/l

RT: 2.04 min Scan# 143

Delta R.T. -0.05 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

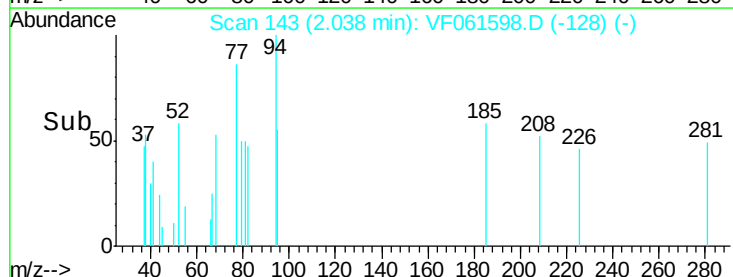
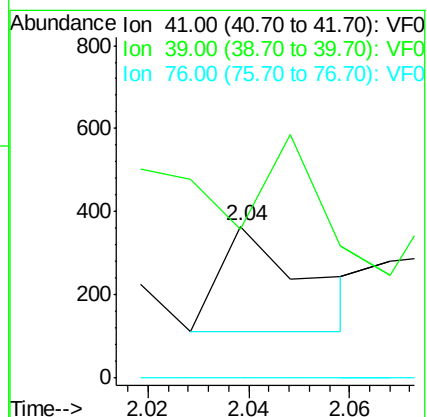
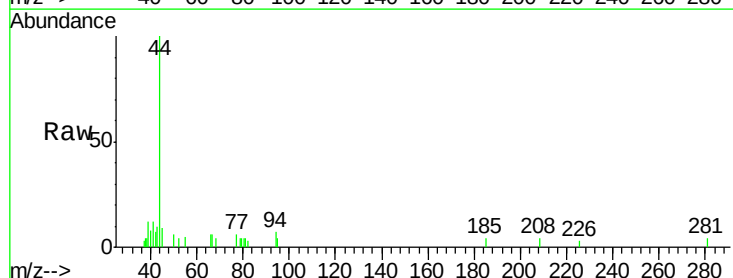
Tgt Ion: 41 Resp: 304

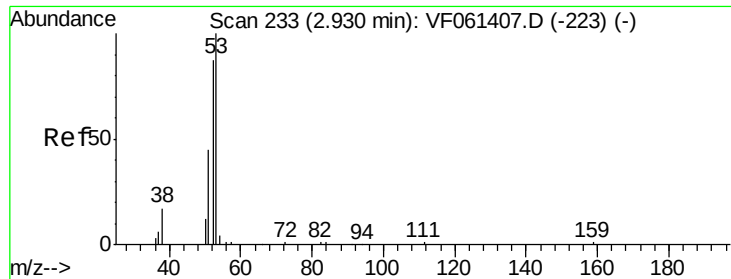
Ion Ratio Lower Upper

41 100

39 97.8 94.6 141.8

76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 291.112 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.02 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

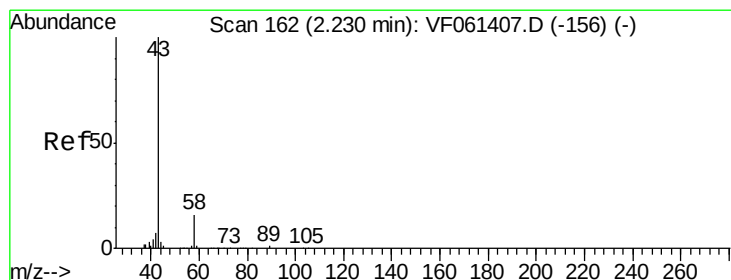
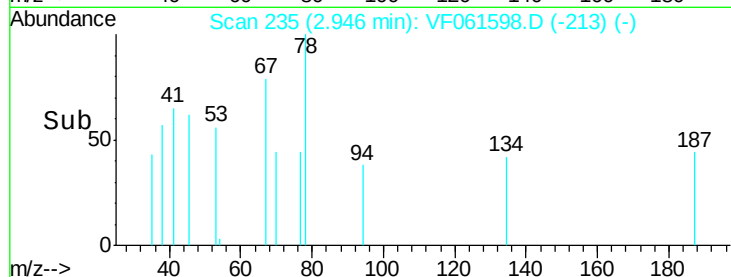
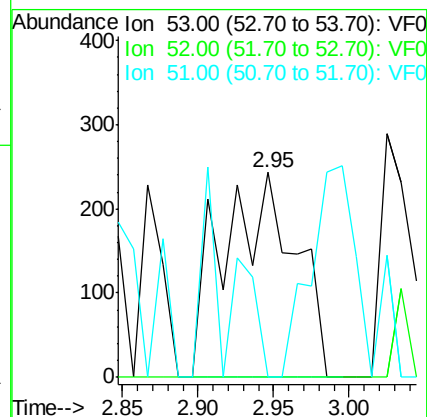
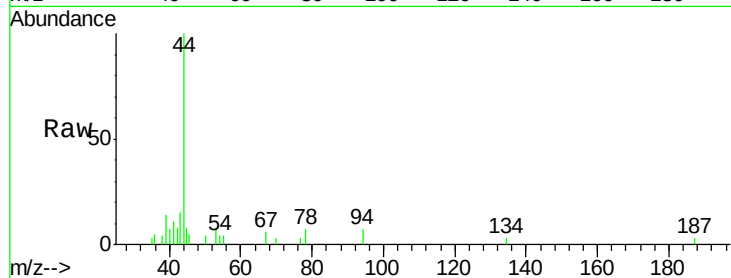
Tot Ion: 53 Resp: 809

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 0.0 36.8 55.2#



#16

Acetone

Concen: 165.504 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.03 min

Lab File: VF061598.D

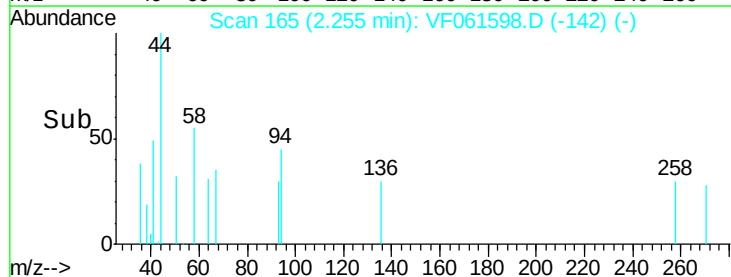
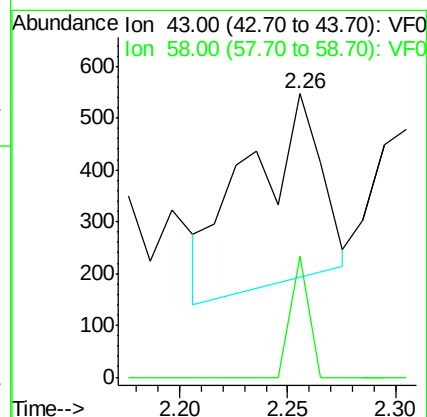
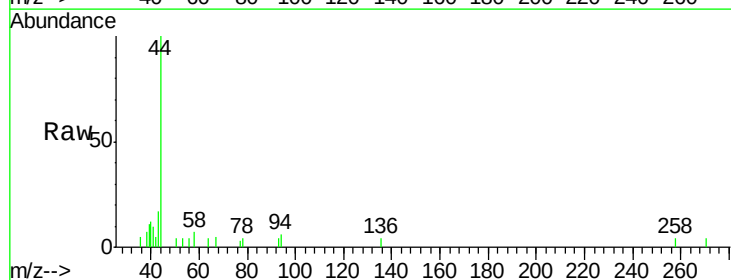
Acq: 11 Feb 2019 21:00

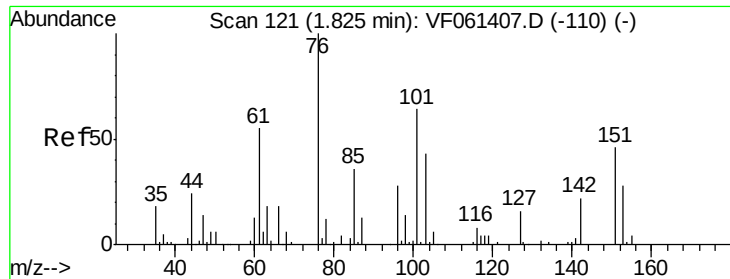
Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

58 42.8 13.3 19.9#





#17

Carbon Disulfide

Concen: 1.112 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampled :

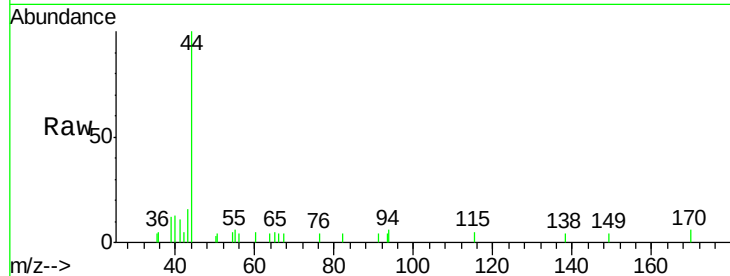
SB-4RE

Tot Ion: 76 Resp: 64

Ion Ratio Lower Upper

76 100

78 0.0 9.6 14.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.81

100

80

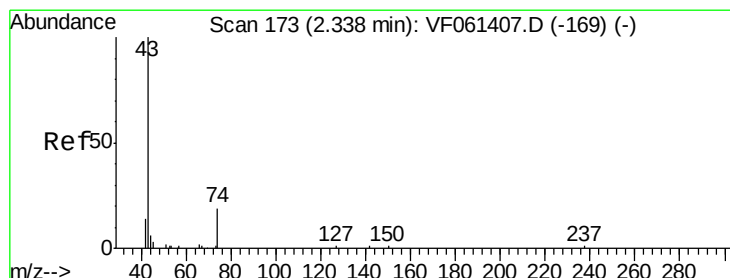
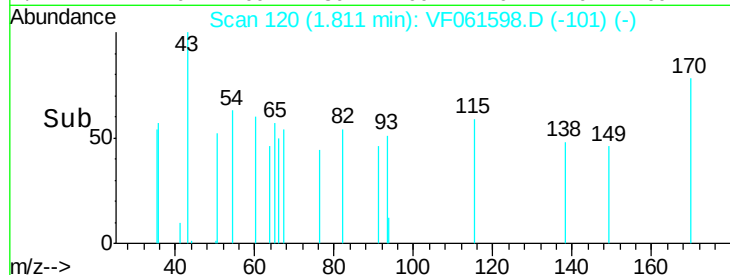
60

40

20

0

Time--> 1.78 1.80 1.82



#18

Methyl Acetate

Concen: 106.403 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061598.D

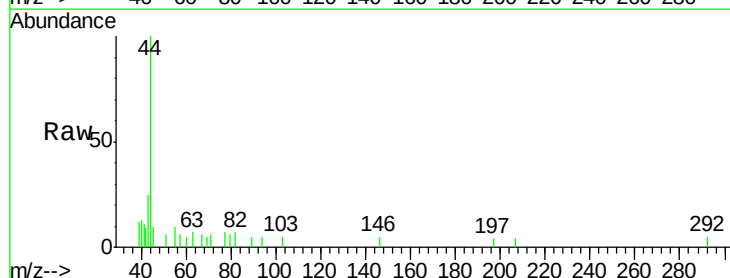
Acq: 11 Feb 2019 21:00

Tgt Ion: 43 Resp: 1085

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.31

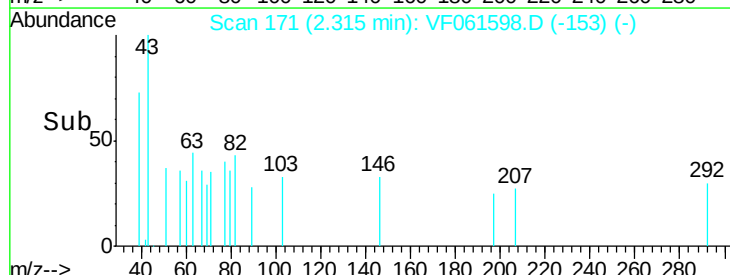
600

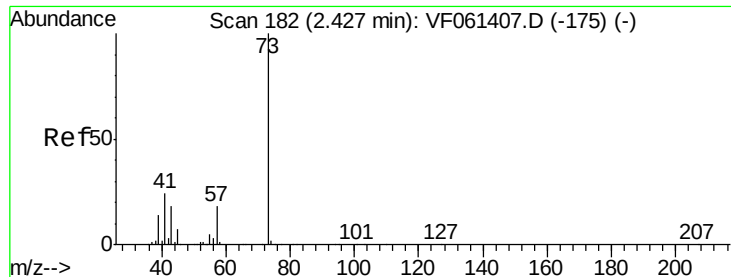
400

200

0

Time--> 2.26 2.28 2.30 2.32 2.34



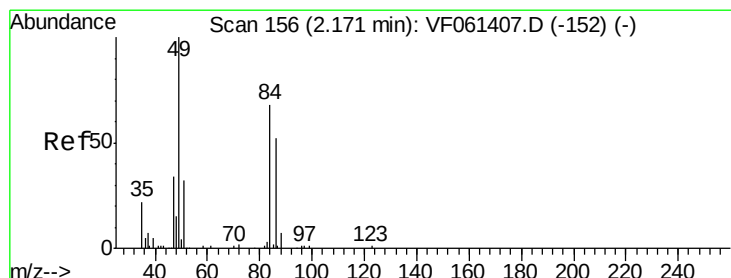
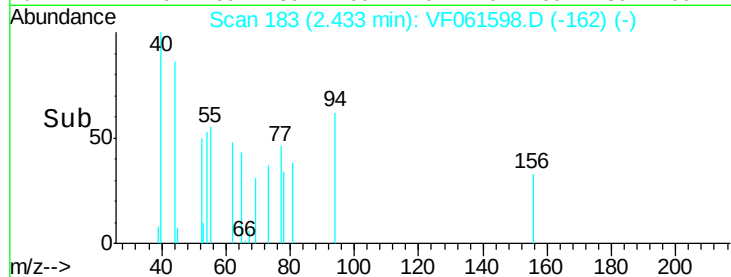
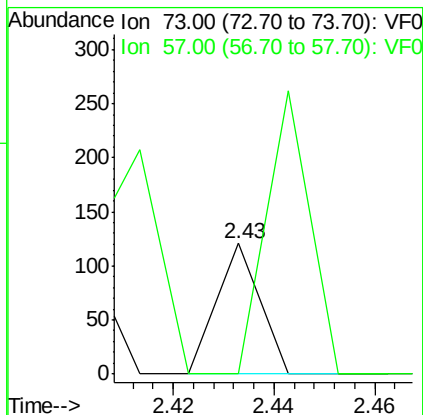
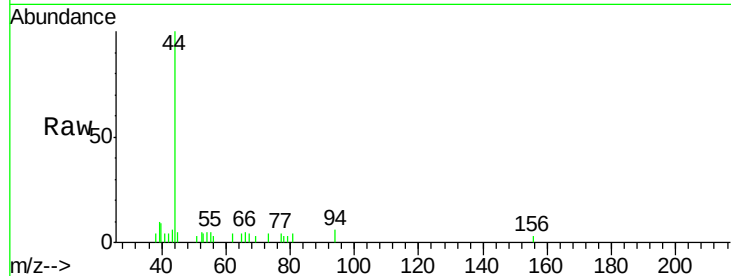


#19

Methyl tert-butyl Ether
 Concen: 1.740 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

Instrument :
 MSVOA_F
 ClientSampled :
 SB-4RE

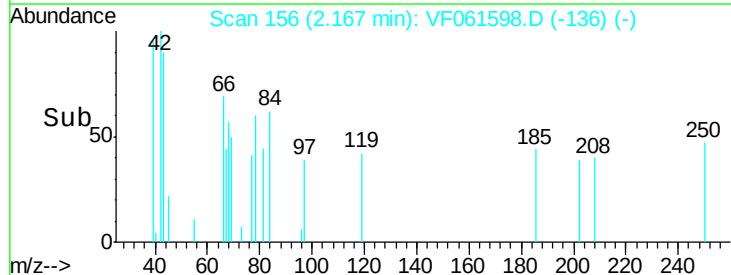
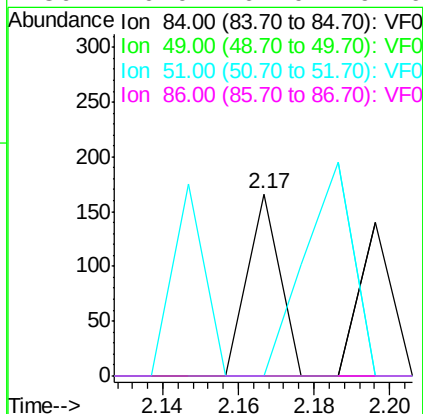
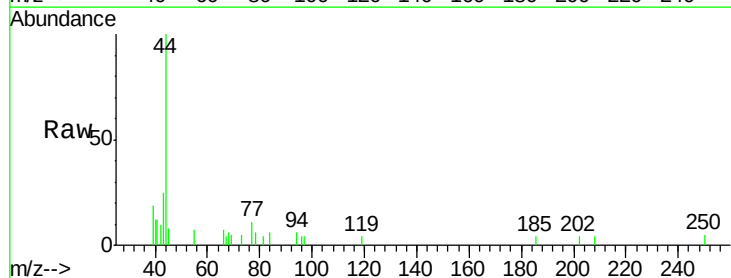
Tot Ion: 73 Resp: 72
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.8 22.2#

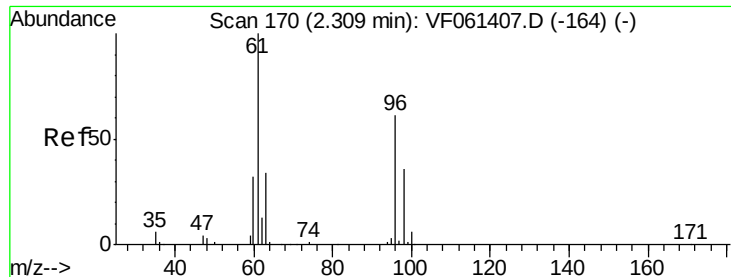


#20

Methylene Chloride
 Concen: 3.998 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

Tgt Ion: 84 Resp: 98
 Ion Ratio Lower Upper
 84 100
 49 0.0 120.0 180.0#
 51 0.0 38.6 58.0#
 86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 3.643 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.04 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

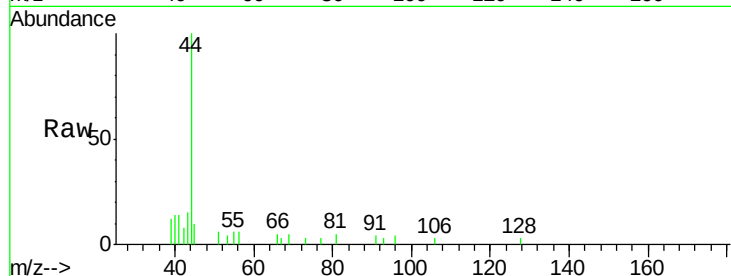
Tot Ion: 96 Resp: 74

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

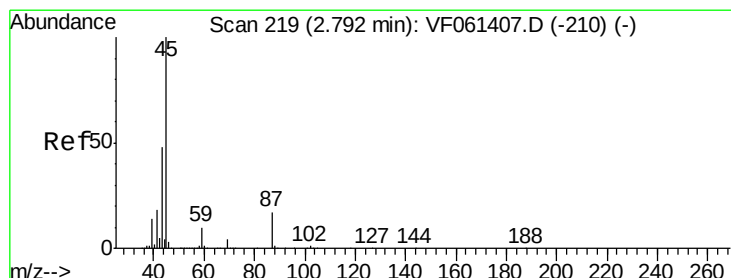
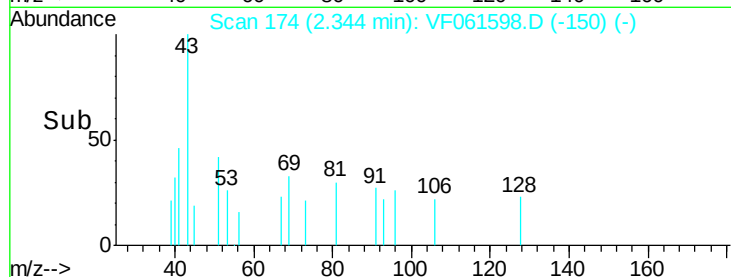
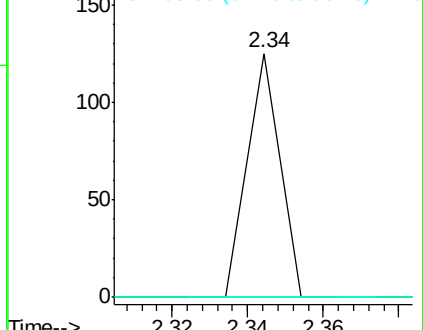
98 0.0 47.4 71.0#



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: 5.585 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.04 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Tgt Ion: 45 Resp: 367

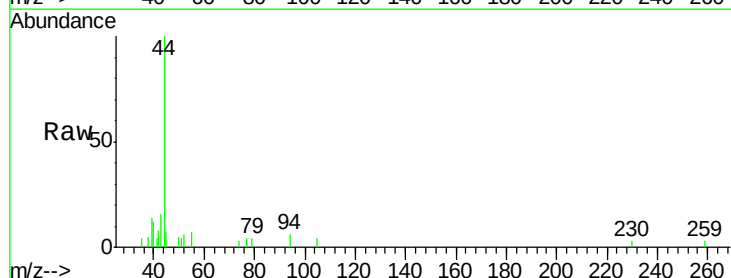
Ion Ratio Lower Upper

45 100

43 238.4 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

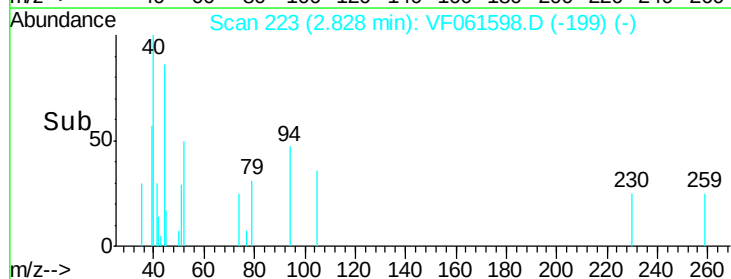
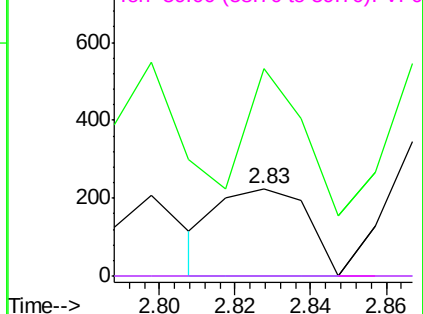


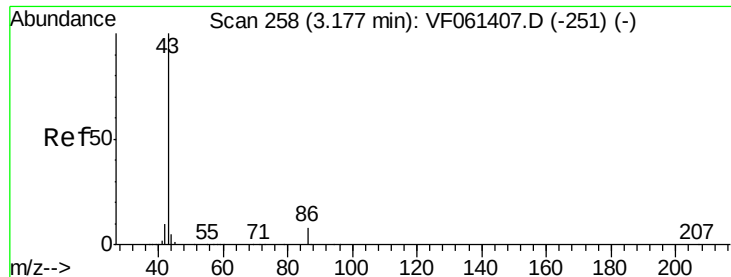
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 25.875 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

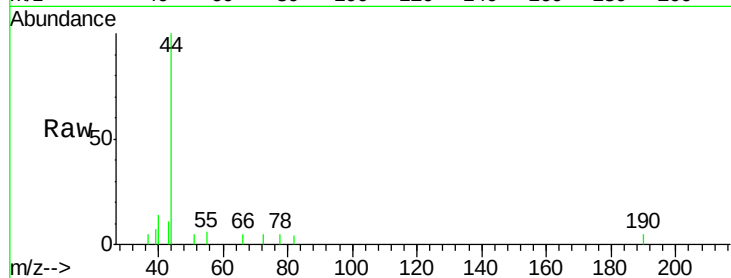
SB-4RE

Tot Ion: 43 Resp: 664

Ion Ratio Lower Upper

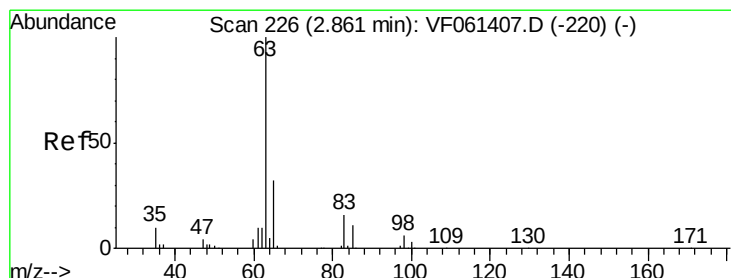
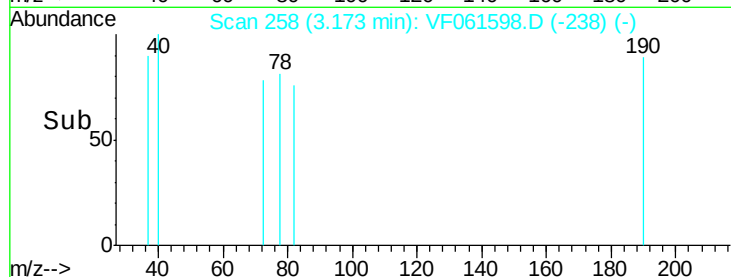
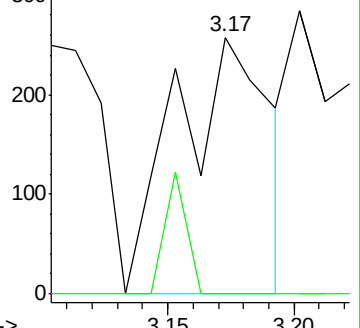
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 1.891 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

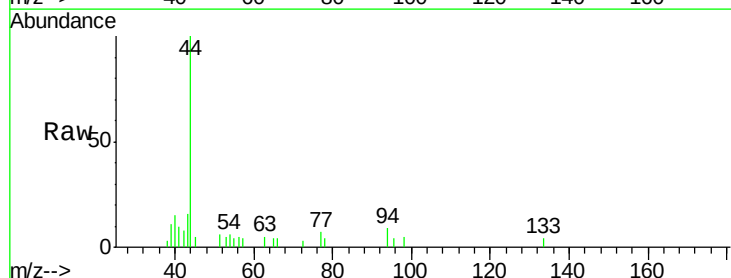
Tgt Ion: 63 Resp: 78

Ion Ratio Lower Upper

63 100

98 104.5 2.9 8.8#

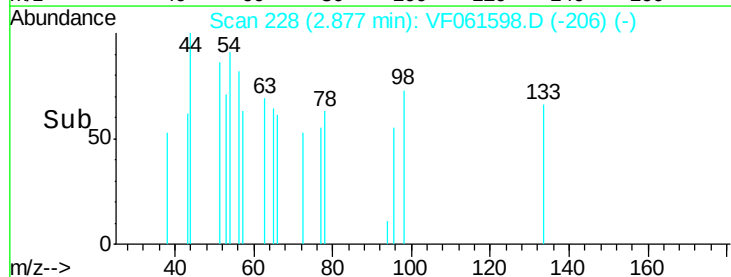
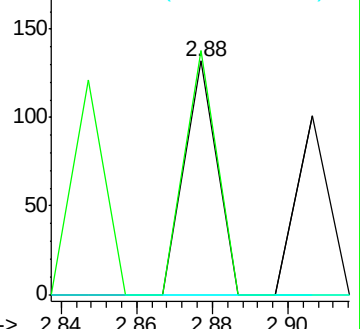
100 0.0 1.6 4.8#

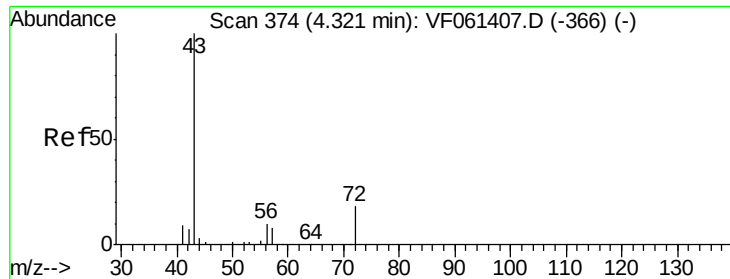


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 7.836 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampled :

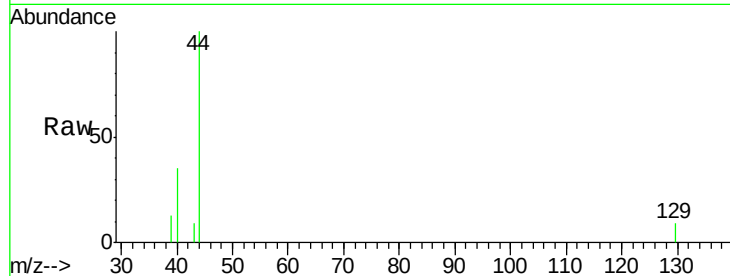
SB-4RE

Tot Ion: 43 Resp: 67

Ion Ratio Lower Upper

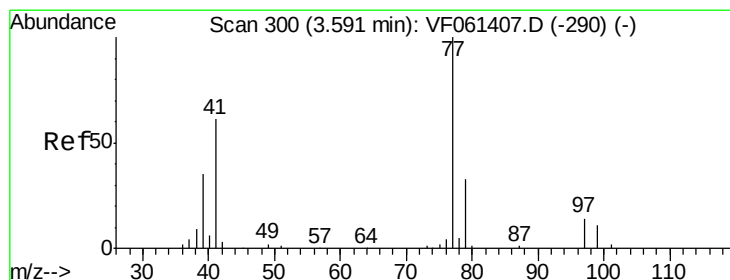
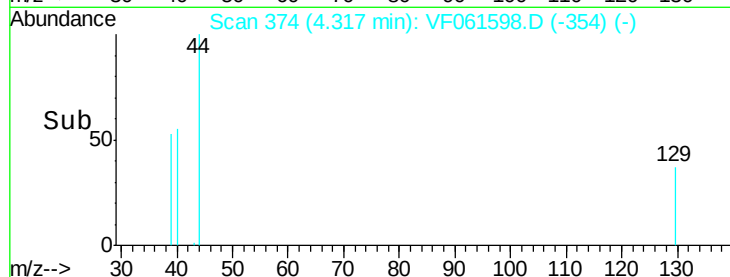
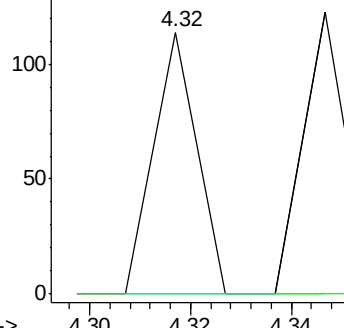
43 100

72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 2.447 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061598.D

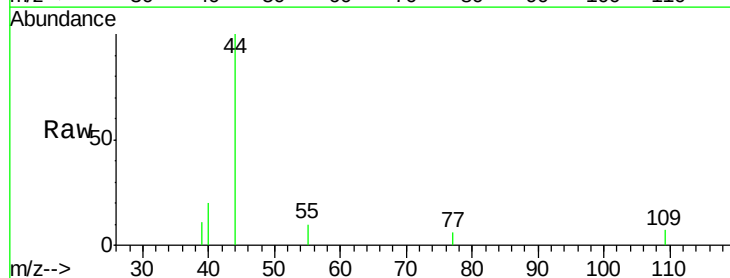
Acq: 11 Feb 2019 21:00

Tgt Ion: 77 Resp: 62

Ion Ratio Lower Upper

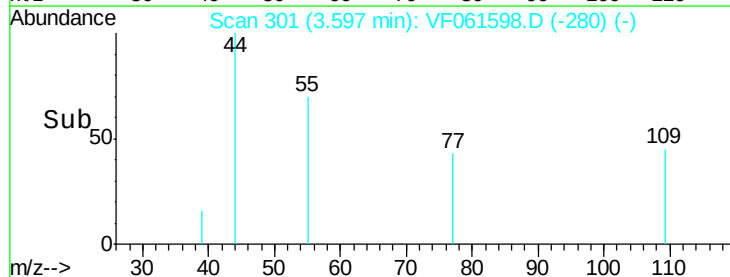
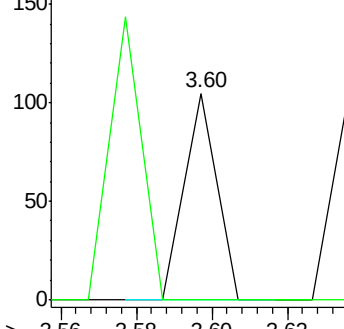
77 100

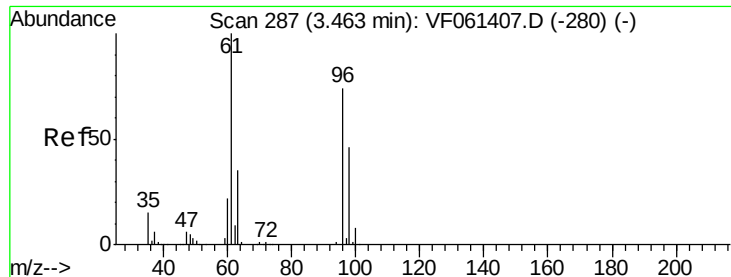
97 0.0 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



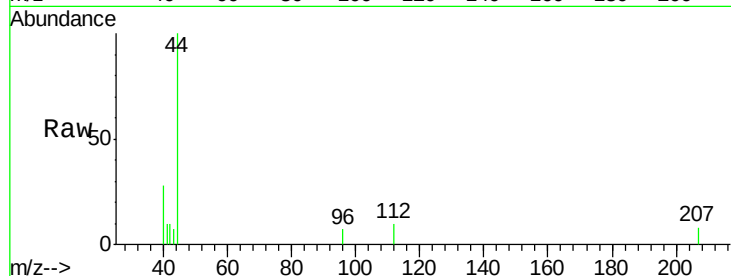


#27

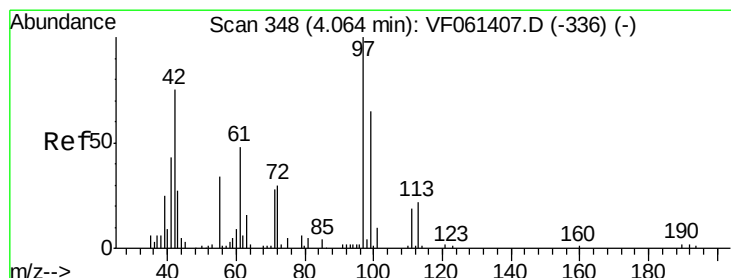
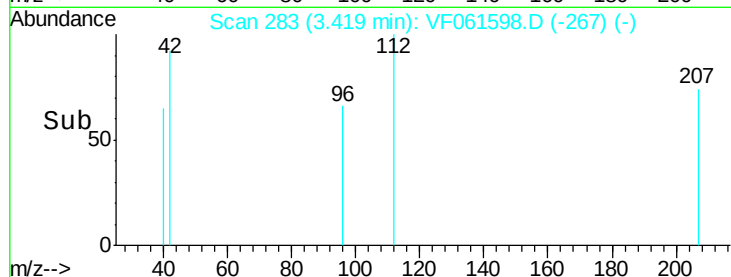
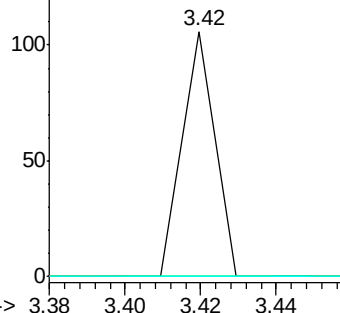
cis-1,2-Dichloroethene
Concen: 2.101 ug/l
RT: 3.42 min Scan# 283
Delta R.T. -0.04 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

Instrument :
MSVOA_F
ClientSampled :
SB-4RE

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	270.2
98	0.0	0.0	124.0



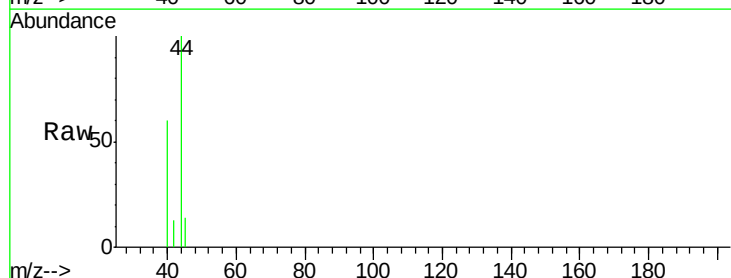
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



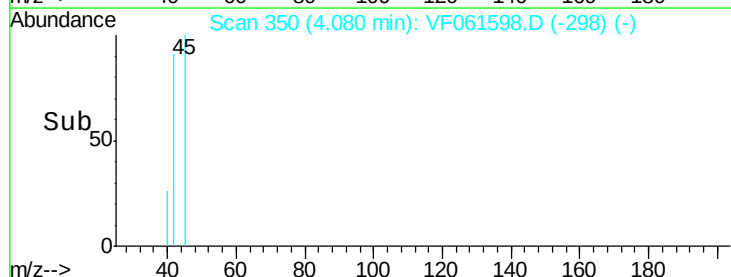
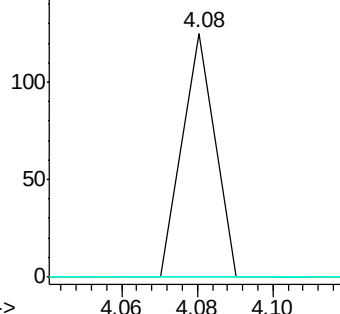
#29

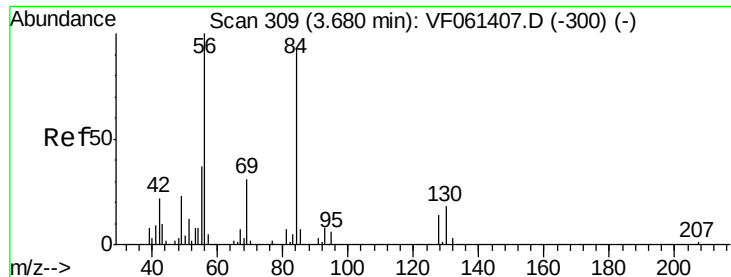
Tetrahydrofuran
Concen: 20.098 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.02 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#



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: 1.748 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

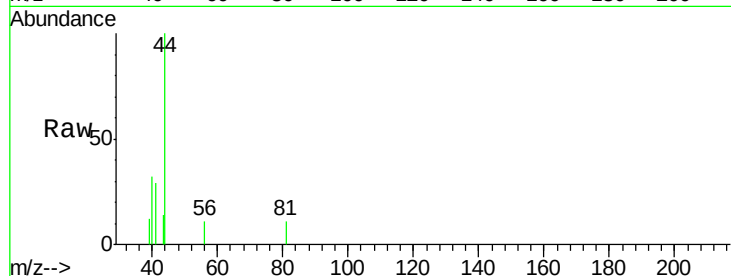
Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

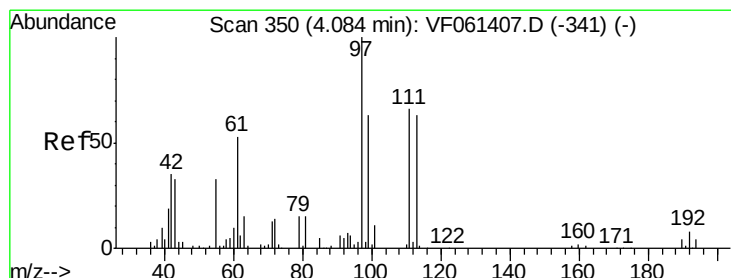
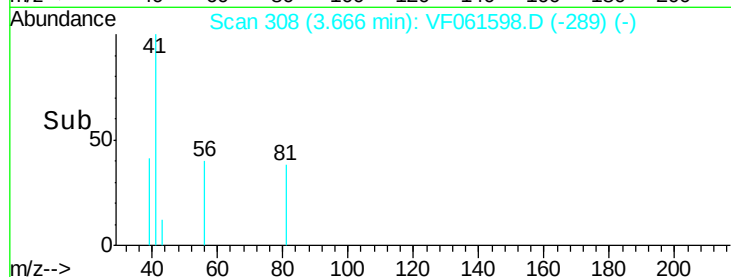
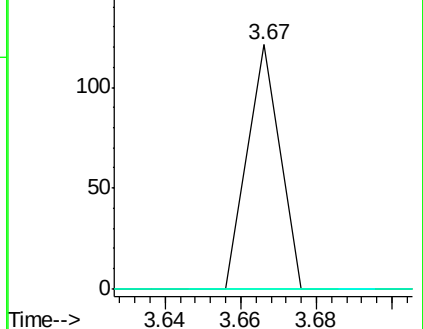
84 0.0 74.2 111.2#



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



#32

1,1,1-Trichloroethane

Concen: 1.617 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.09 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

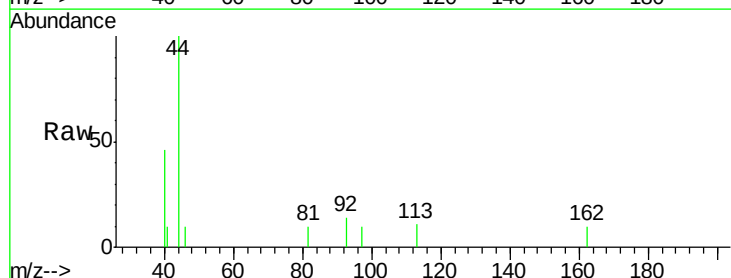
Tgt Ion: 97 Resp: 66

Ion Ratio Lower Upper

97 100

99 0.0 50.1 75.1#

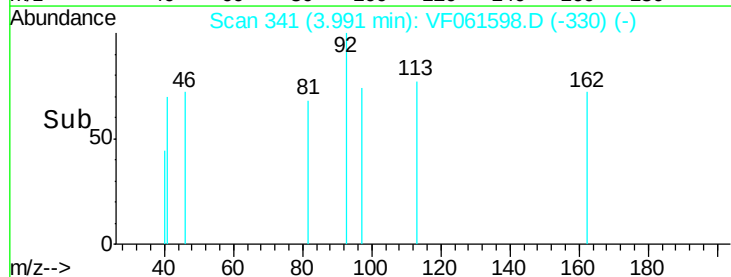
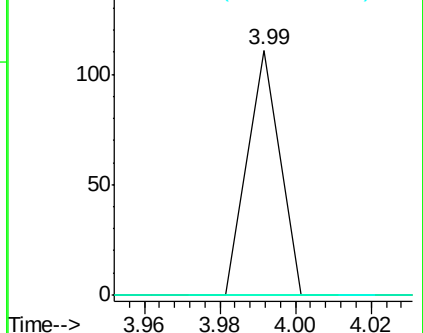
61 0.0 43.1 64.7#

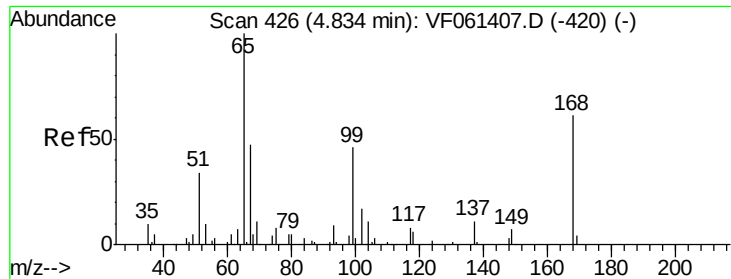


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

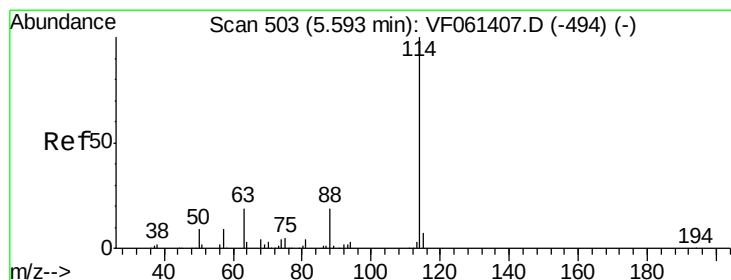
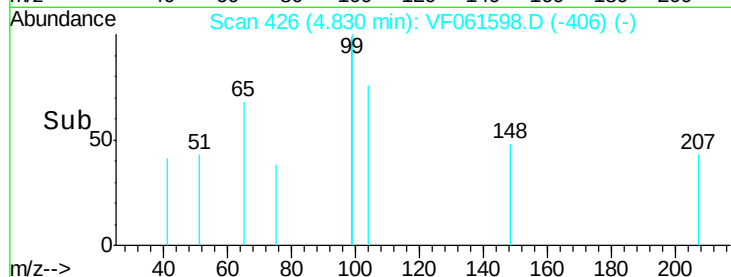
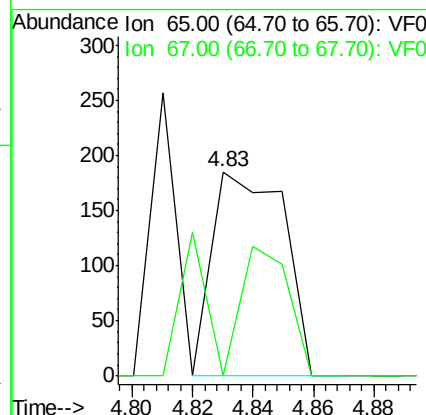
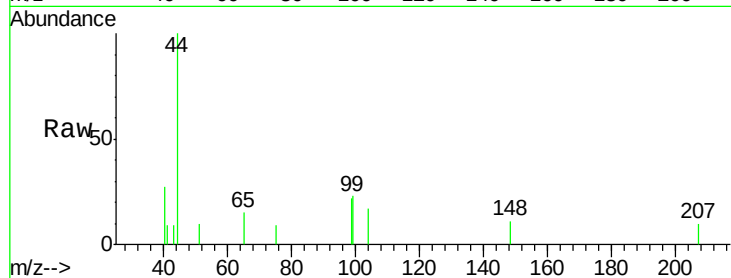




#33
 1,2-Dichloroethane-d4
 Concen: 11.978 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

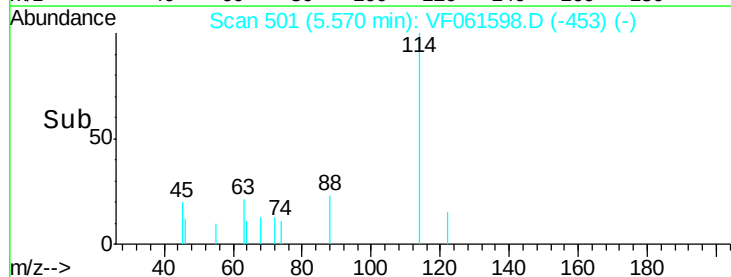
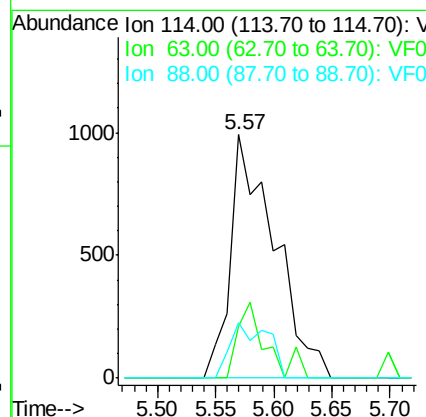
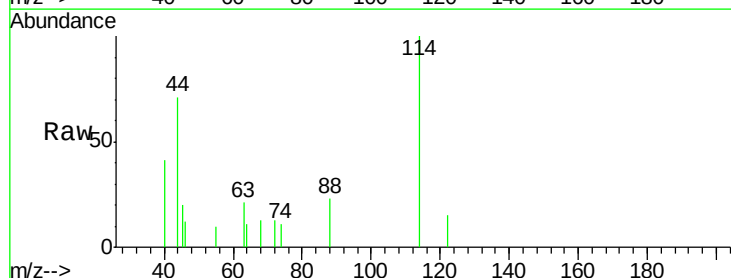
Instrument :
 MSVOA_F
 ClientSampled :
 SB-4RE

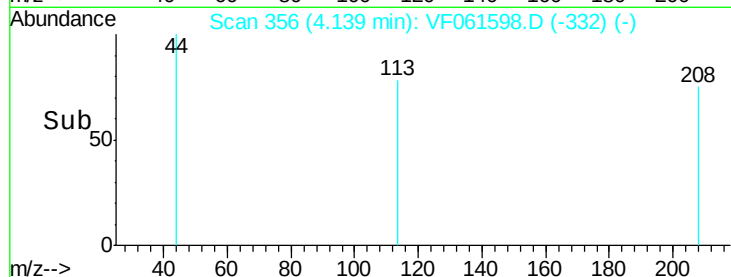
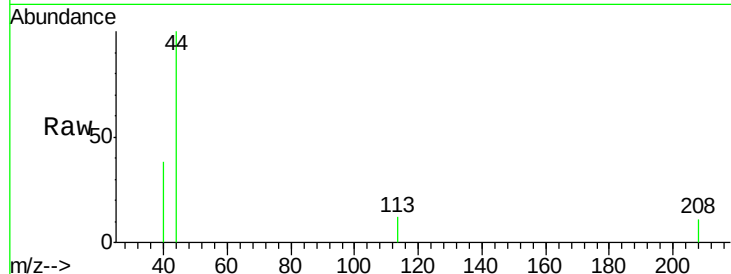
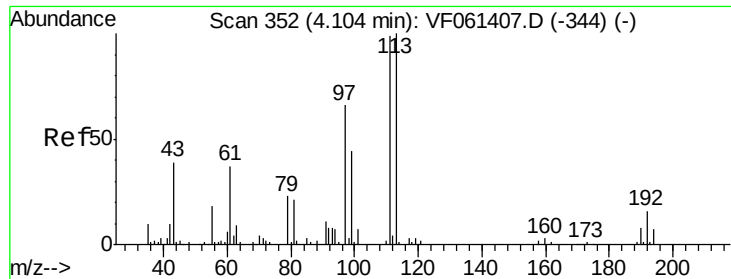
Tot Ion: 65 Resp: 307
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

Tgt Ion: 114 Resp: 2605
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.0
 88 22.9 0.0 37.4

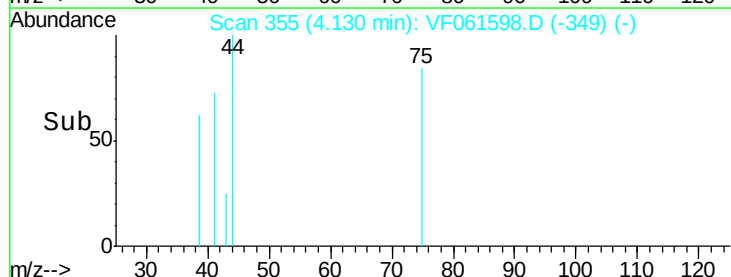
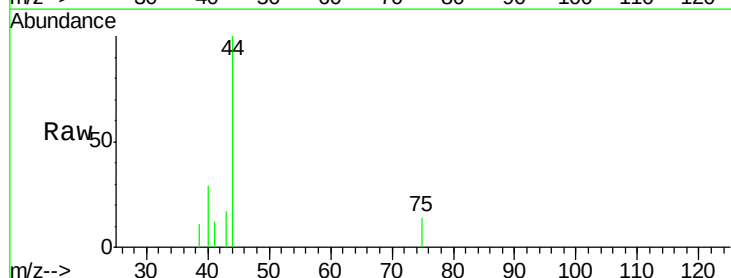
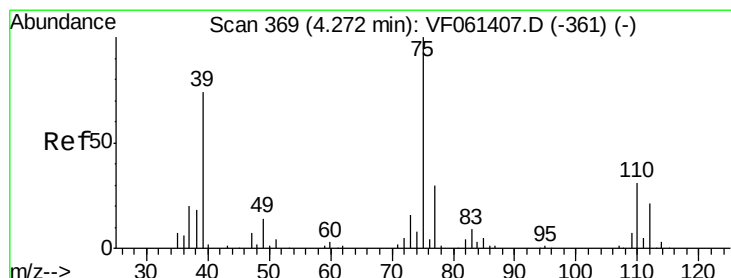
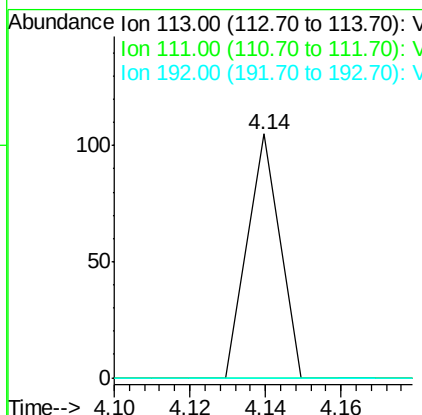




#35
Dibromofluoromethane
Concen: 3.016 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.04 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

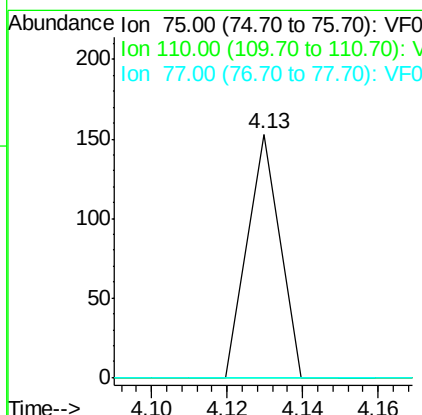
Instrument :
MSVOA_F
ClientSampleId :
SB-4RE

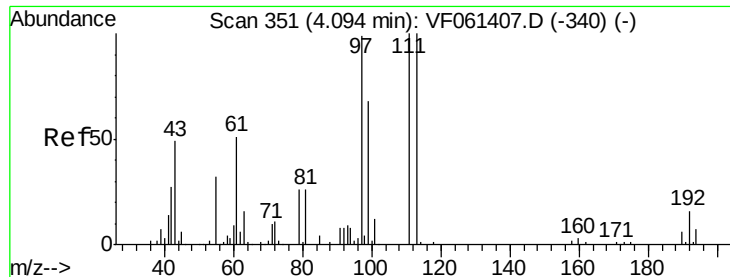
Tot Ion:113 Resp: 62
Ion Ratio Lower Upper
113 100
111 0.0 79.4 119.0#
192 0.0 12.4 18.6#



#36
1,1-Dichloropropene
Concen: 3.013 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.14 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
110 0.0 15.8 47.3#
77 0.0 24.0 36.0#





#37

Ethyl Acetate

Concen: 11.844 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

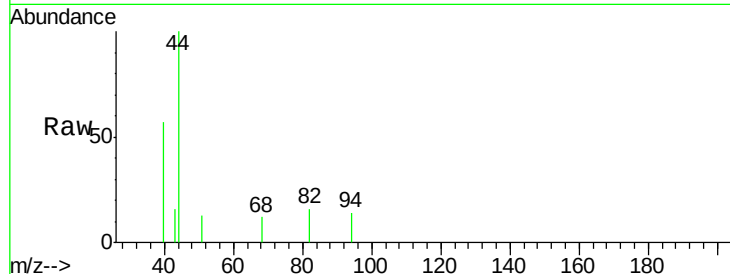
Tot Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

61 0.0 81.7 122.5#

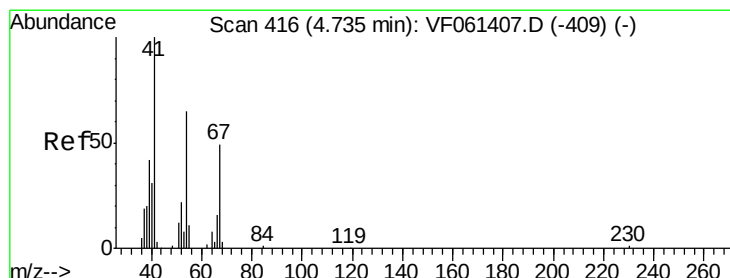
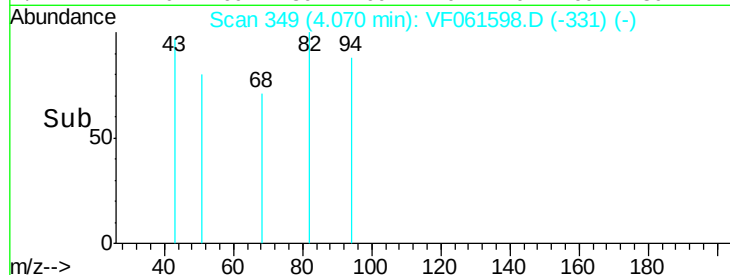
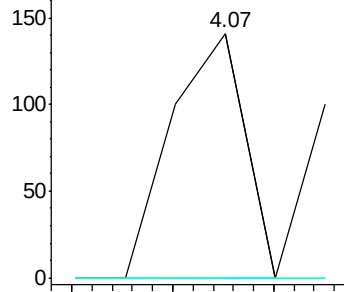
70 0.0 6.2 9.2#



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: 13.854 ug/l

RT: 4.77 min Scan# 420

Delta R.T. 0.04 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Tgt Ion: 41 Resp: 89

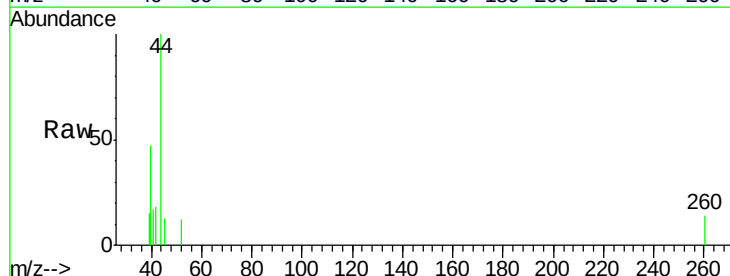
Ion Ratio Lower Upper

41 100

39 86.7 43.1 64.7#

67 0.0 38.8 58.2#

52 71.3 33.2 49.8#

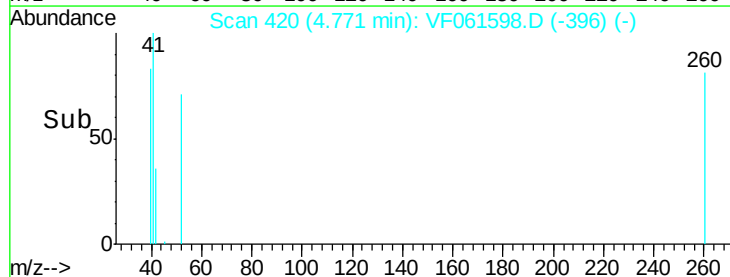
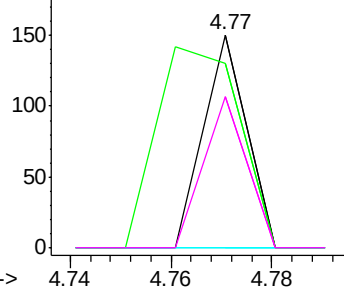


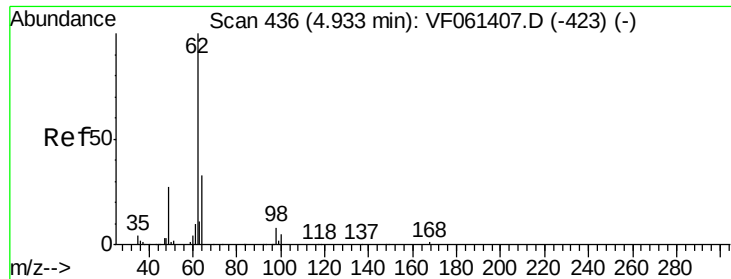
Abundance Ion 41.00 (40.70 to 41.70): VF0

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





#42

1,2-Dichloroethane

Concen: 2.672 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

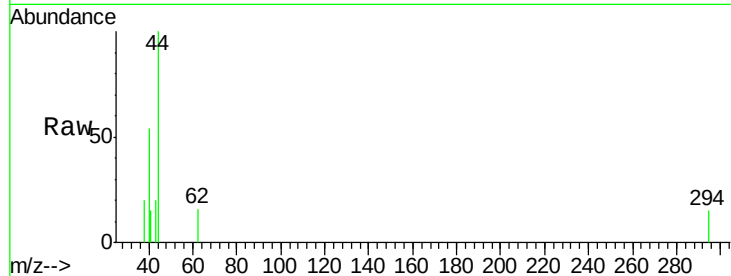
SB-4RE

Tot Ion: 62 Resp: 64

Ion Ratio Lower Upper

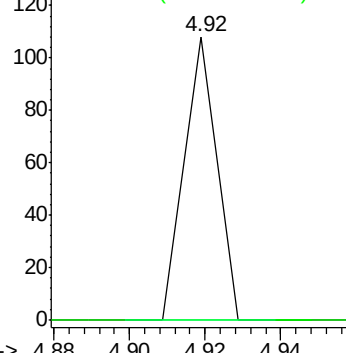
62 100

98 0.0 0.0 17.0

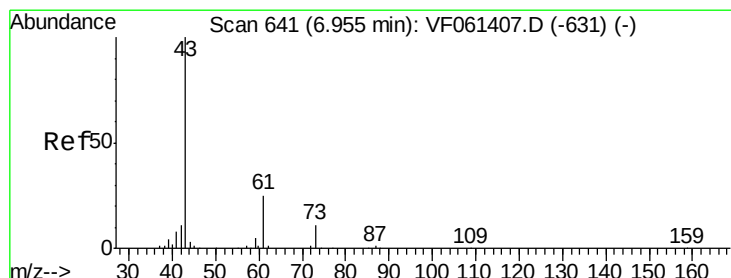
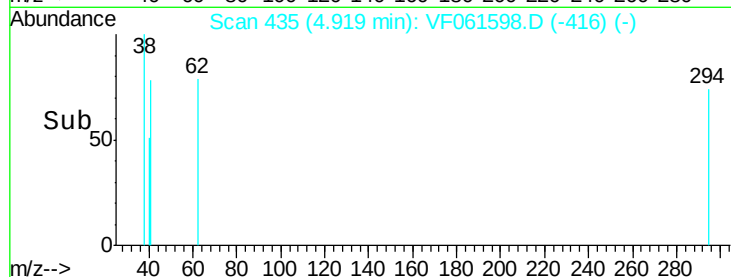


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time--> 4.88 4.90 4.92 4.94



#43

Isopropyl Acetate

Concen: 9.239 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

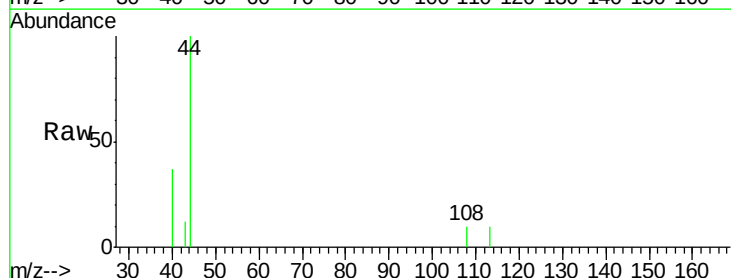
Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

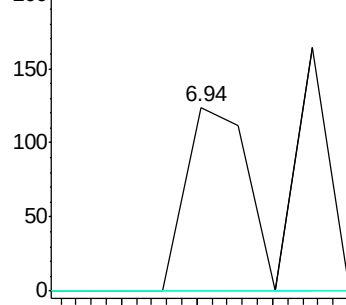
87 0.0 0.5 0.7#



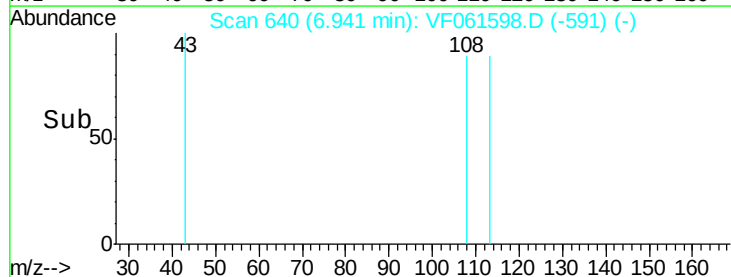
Abundance Ion 43.00 (42.70 to 43.70): VF0

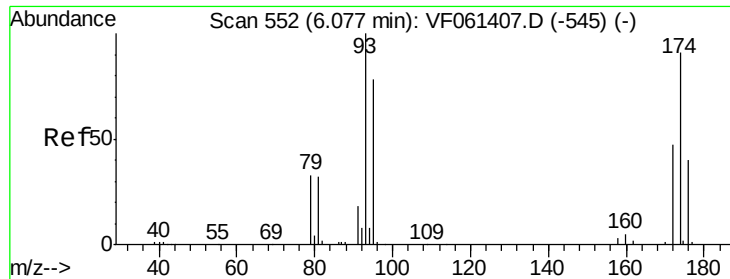
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time--> 6.92 6.94 6.96

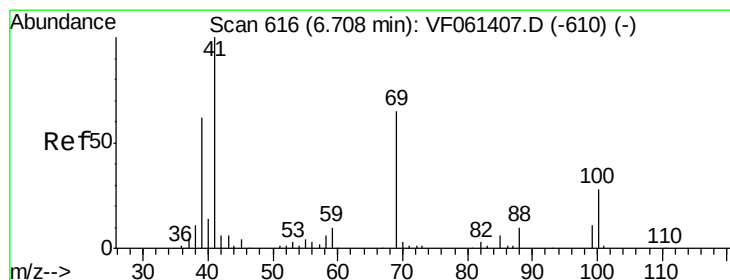
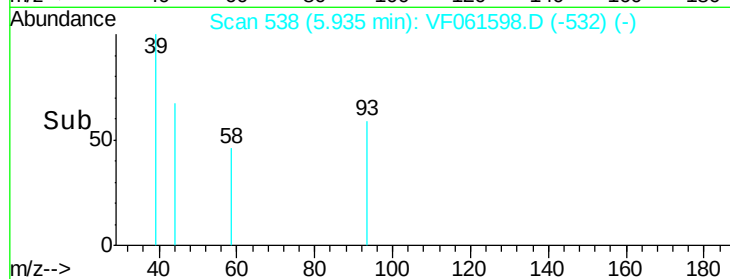
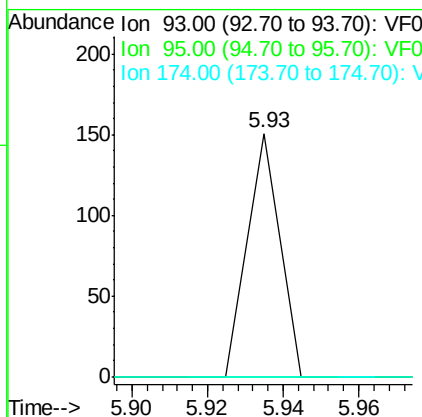
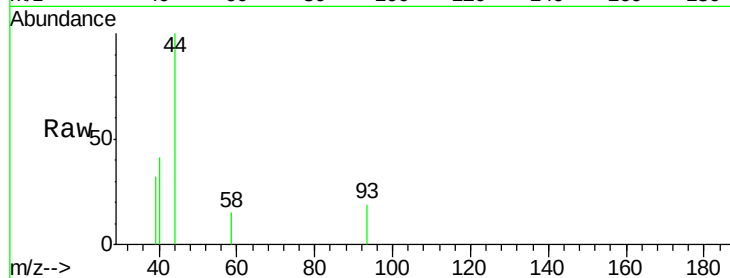




#46
 Dibromomethane
 Concen: 7.588 ug/l
 RT: 5.93 min Scan# 538
 Delta R.T. -0.14 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

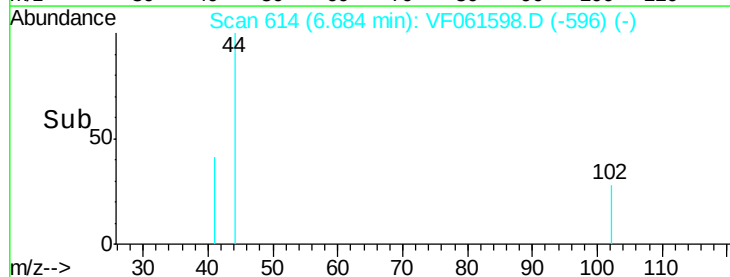
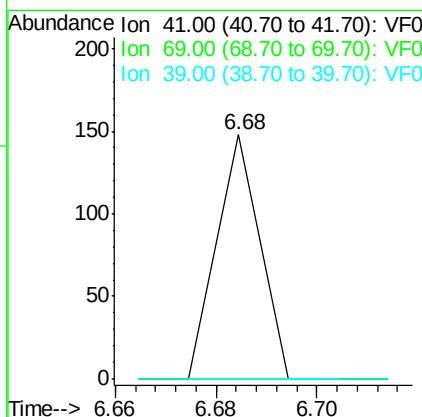
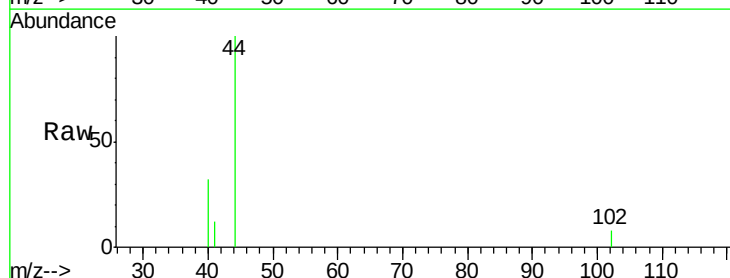
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4RE

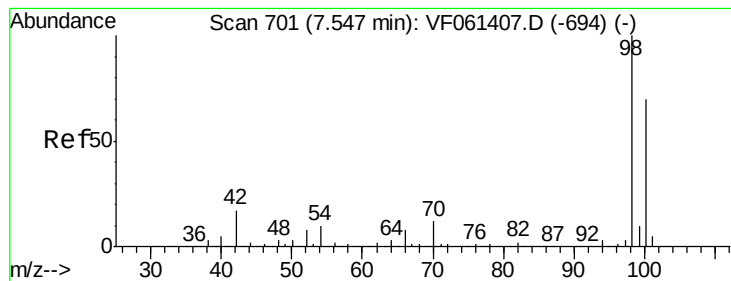
Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	62.1	93.1#
174	0.0	74.6	111.8#



#48
 Methyl methacrylate
 Concen: 8.648 ug/l
 RT: 6.68 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.7	77.5#
39	0.0	49.2	73.8#





#50

Toluene-d8

Concen: 41.940 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampled :

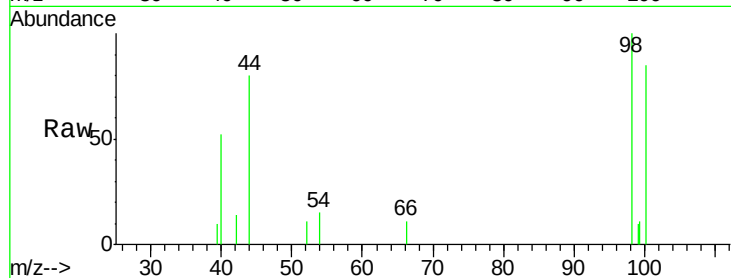
SB-4RE

Tot Ion: 98 Resp: 2362

Ion Ratio Lower Upper

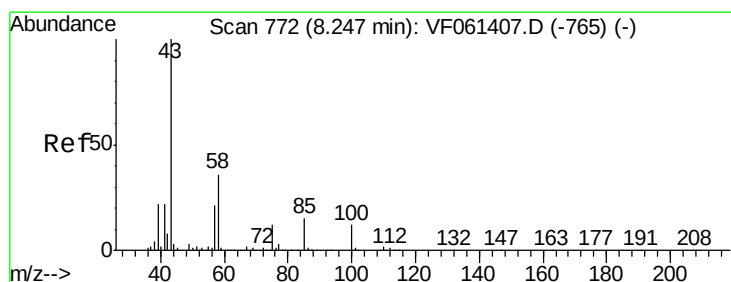
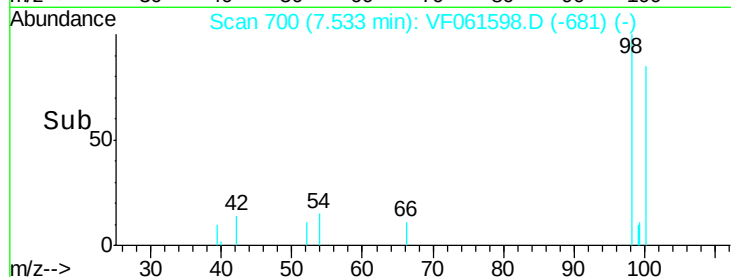
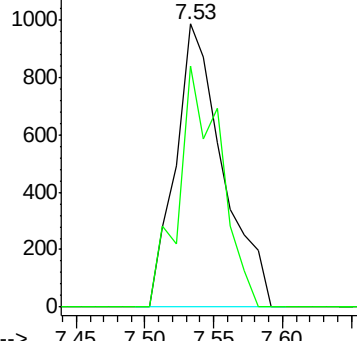
98 100

100 85.2 55.6 83.4#



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: 5.655 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061598.D

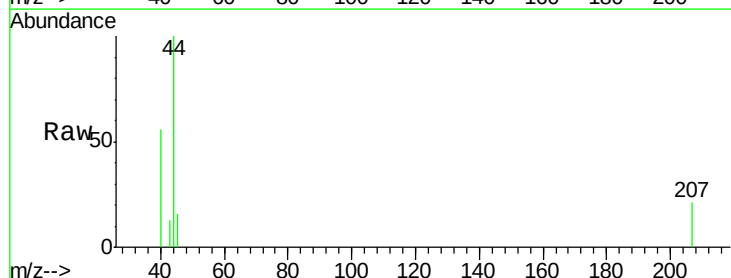
Acq: 11 Feb 2019 21:00

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

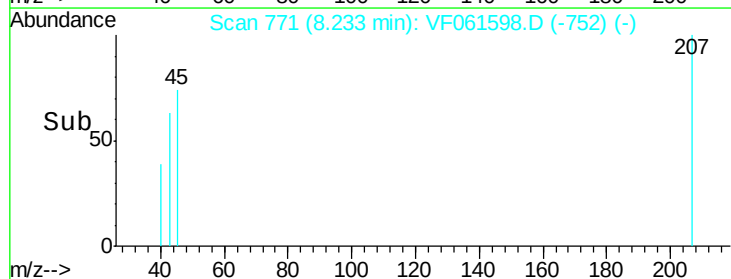
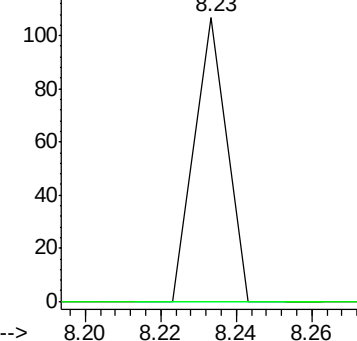
43 100

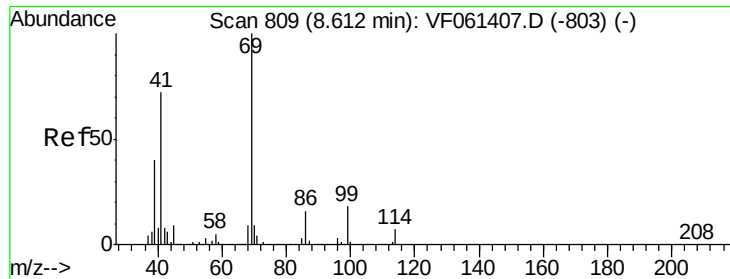
58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#56

Ethyl methacrylate

Concen: 4.377 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.15 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

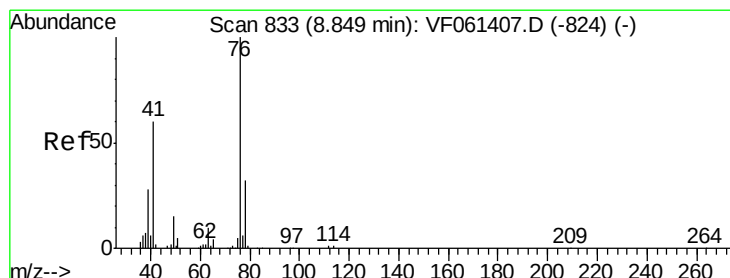
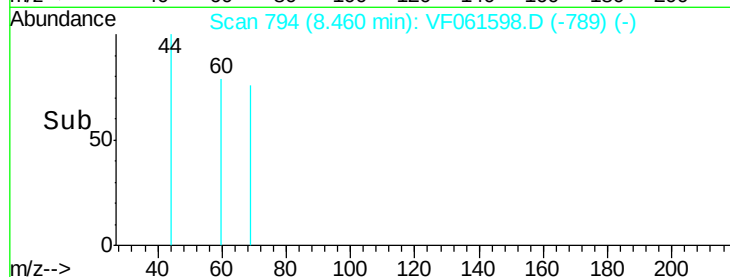
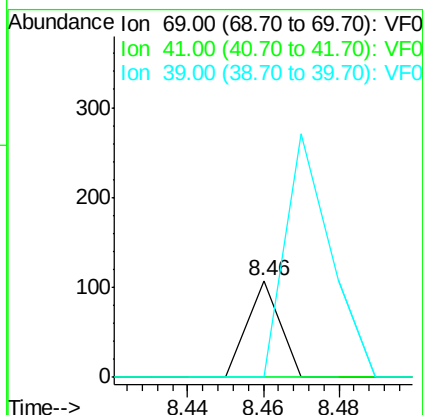
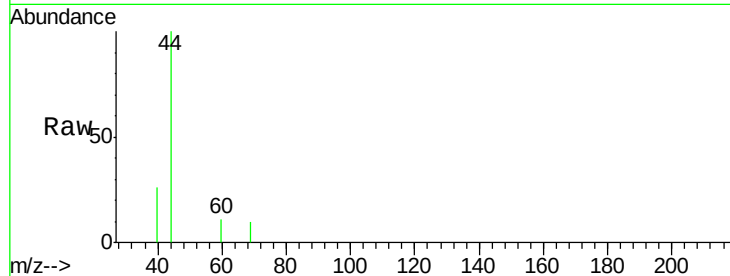
Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

Tot Ion:	69.00	Resp:	64
Ion	Ratio	Lower	Upper
69	100		
41	0.0	57.5	86.3#
39	0.0	32.0	48.0#



#57

1,3-Dichloropropane

Concen: 2.674 ug/l

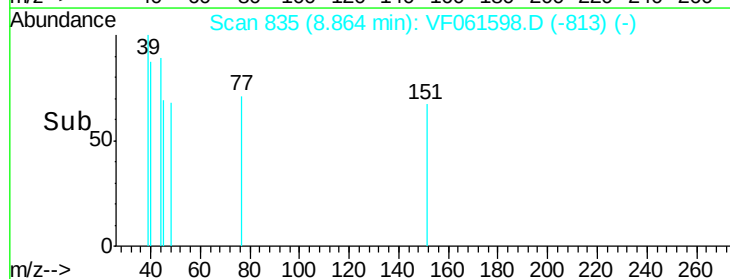
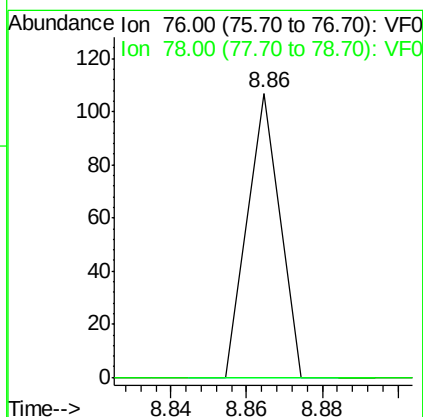
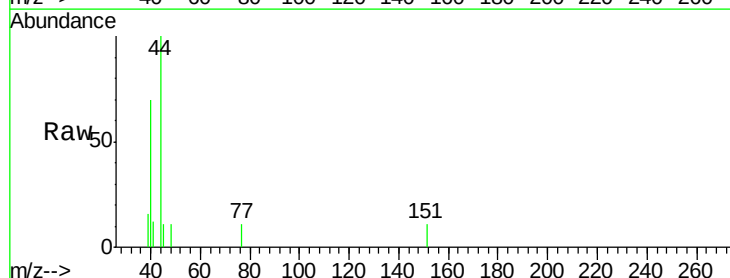
RT: 8.86 min Scan# 835

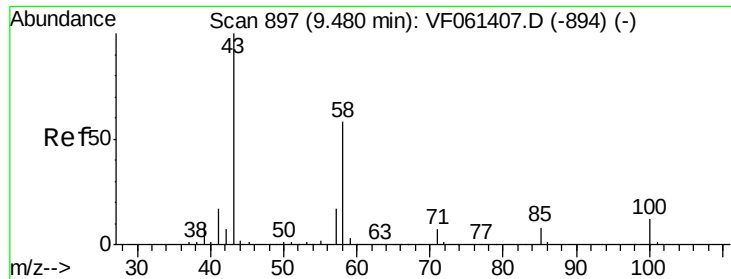
Delta R.T. 0.02 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Tgt Ion:	76.00	Resp:	63
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.3	37.9#





#59

2-Hexanone

Concen: 24.459 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

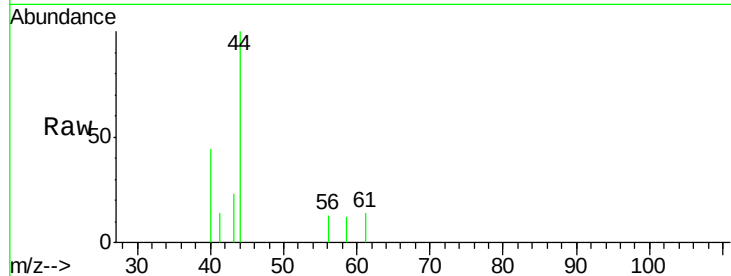
SB-4RE

Tot Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.48

200

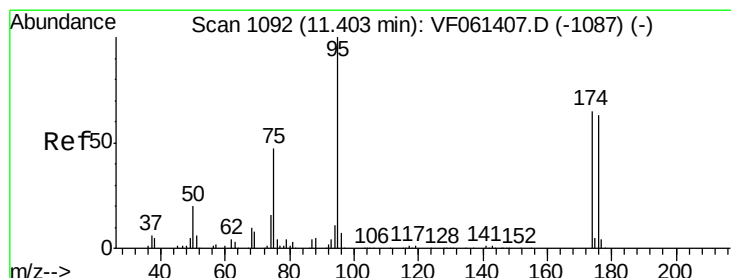
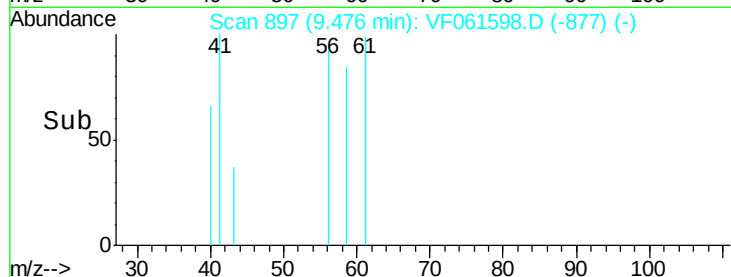
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 2.698 ug/l

RT: 11.32 min Scan# 1084

Delta R.T. -0.08 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

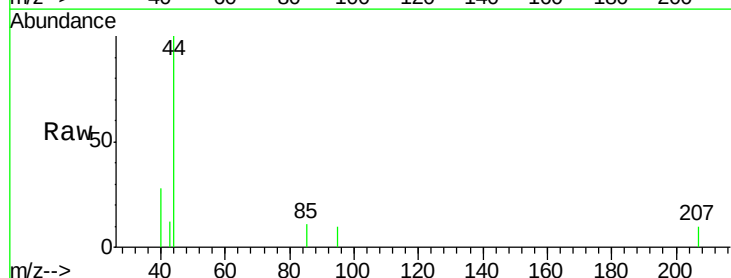
Tgt Ion: 95 Resp: 71

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

176 0.0 0.0 126.2



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

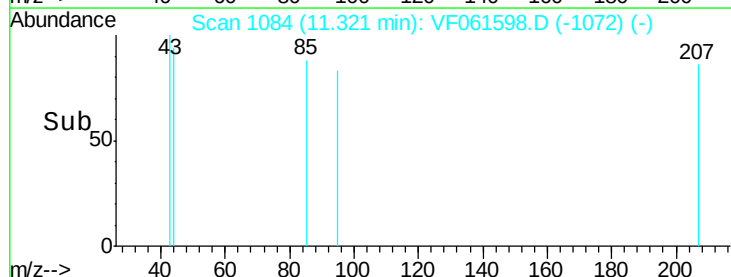
150

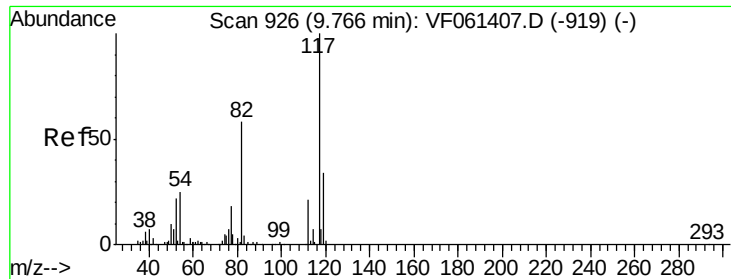
100

50

0

Time-->

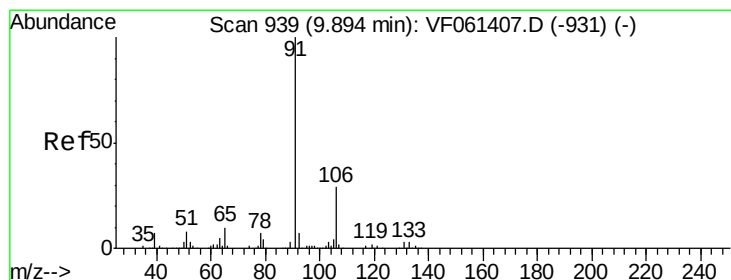
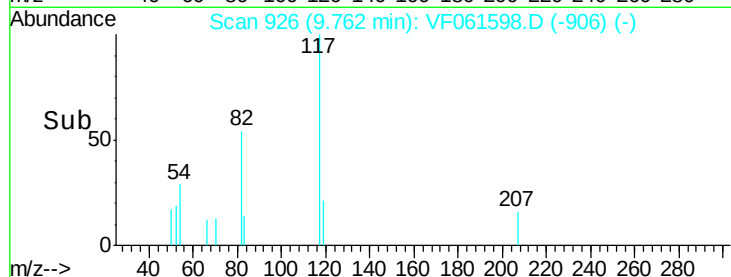
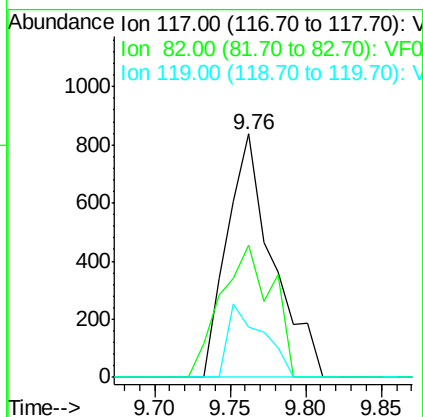
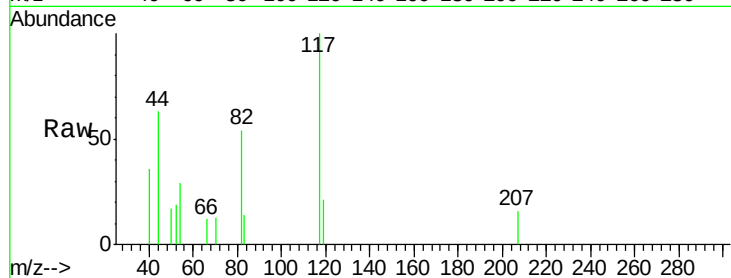




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

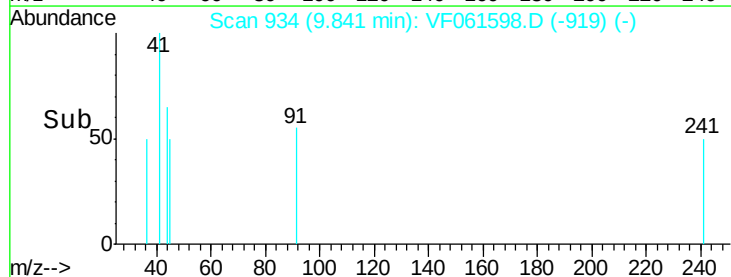
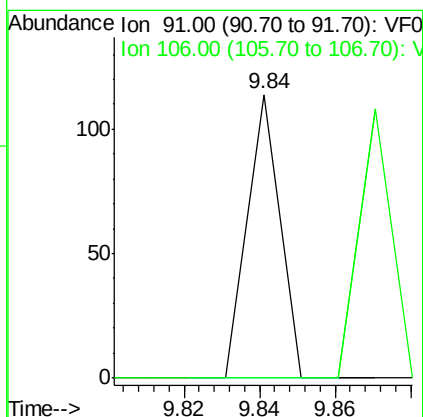
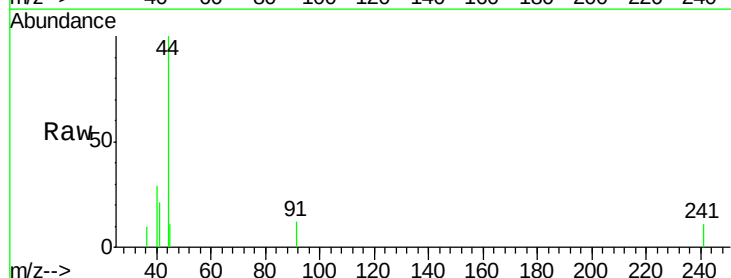
Instrument :
MSVOA_F
ClientSampleId :
SB-4RE

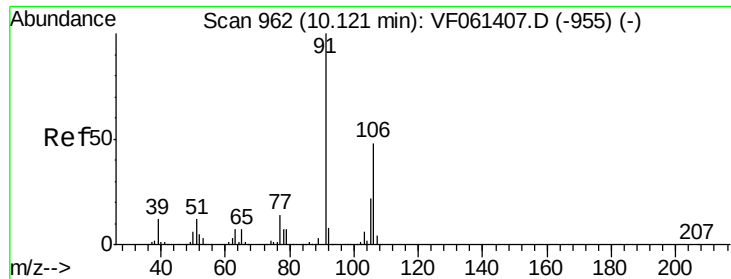
Tot Ion:117 Resp: 1763
Ion Ratio Lower Upper
117 100
82 54.2 46.4 69.6
119 20.8 27.2 40.8#



#67
Ethyl Benzene
Concen: 1.023 ug/l
RT: 9.84 min Scan# 934
Delta R.T. -0.05 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

Tgt Ion: 91 Resp: 67
Ion Ratio Lower Upper
91 100
106 0.0 23.1 34.7#

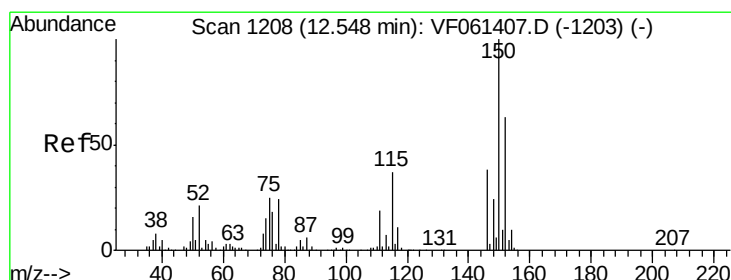
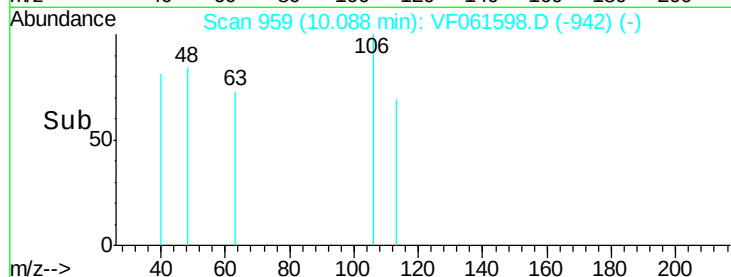
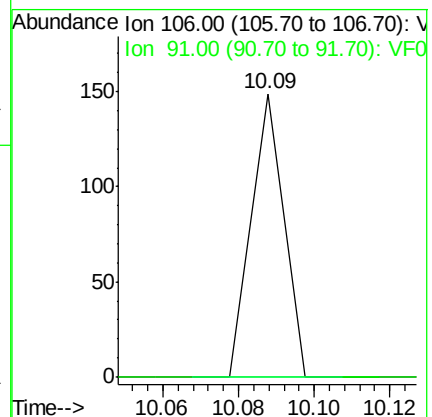
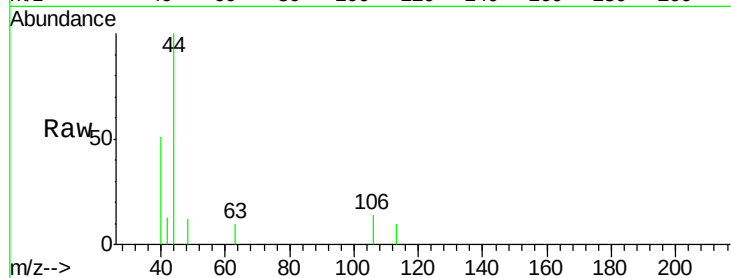




#68
m/p-Xylenes
Concen: 3.735 ug/l
RT: 10.09 min Scan# 959
Delta R.T. -0.03 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

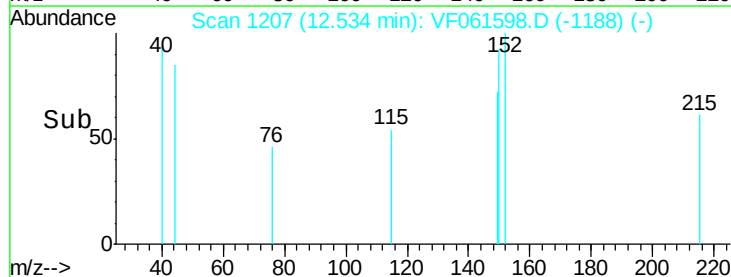
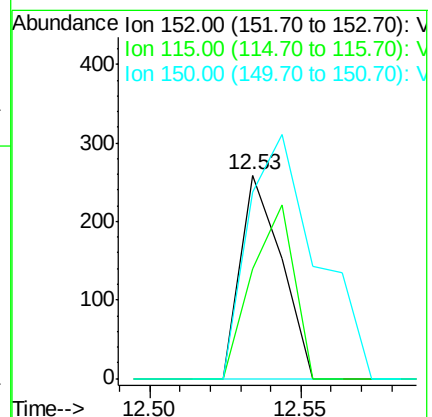
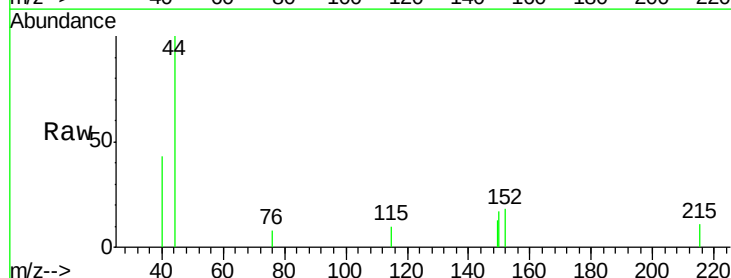
Instrument :
MSVOA_F
ClientSampleId :
SB-4RE

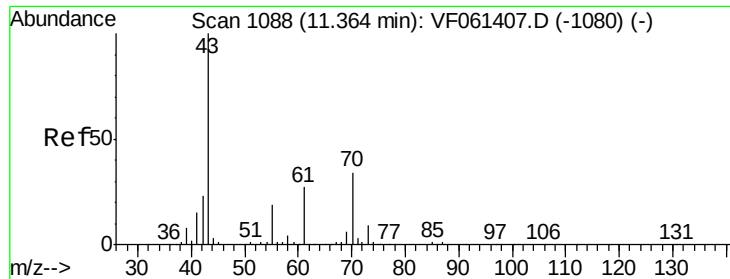
Tot Ion:106 Resp: 88
Ion Ratio Lower Upper
106 100
91 0.0 166.2 249.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

Tgt Ion:152 Resp: 244
Ion Ratio Lower Upper
152 100
115 53.7 30.0 90.0
150 91.9 0.0 321.4

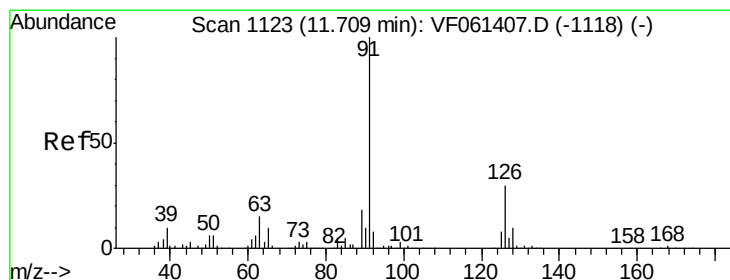
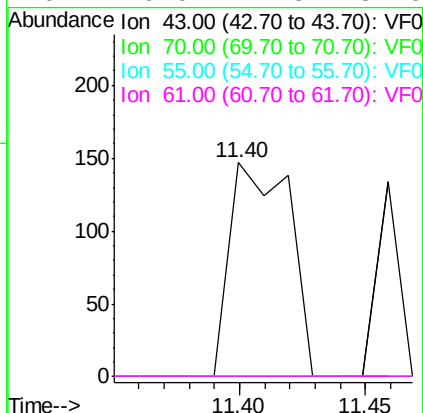
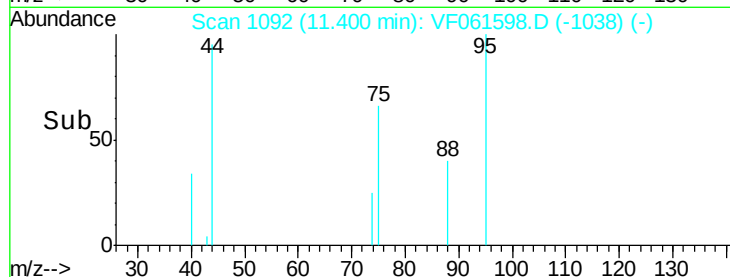
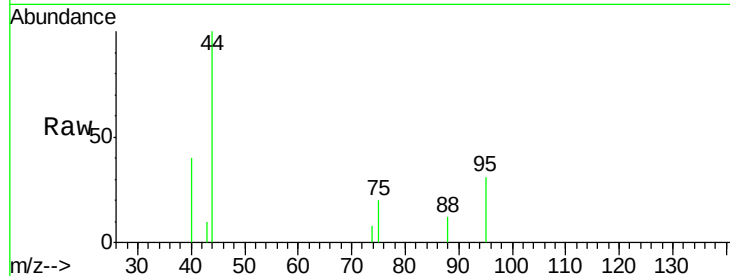




#74
N-amyl acetate
Concen: 51.570 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.04 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

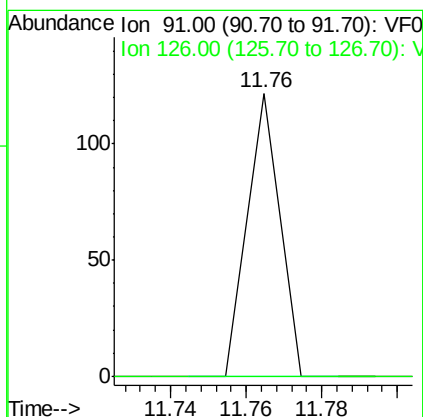
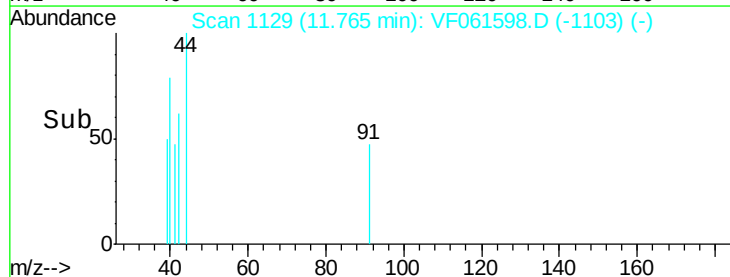
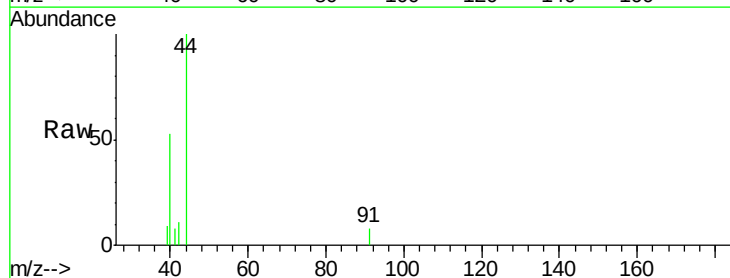
Instrument :
MSVOA_F
ClientSampled :
SB-4RE

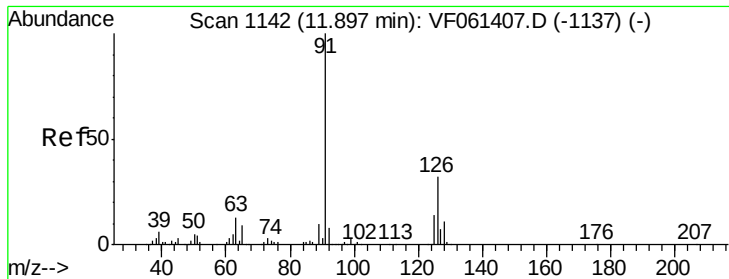
Tot Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
70 0.0 27.6 41.4#
55 0.0 15.4 23.2#
61 0.0 21.8 32.6#



#79
2-Chlorotoluene
Concen: 5.229 ug/l
RT: 11.76 min Scan# 1129
Delta R.T. 0.06 min
Lab File: VF061598.D
Acq: 11 Feb 2019 21:00

Tgt Ion: 91 Resp: 72
Ion Ratio Lower Upper
91 100
126 0.0 15.0 45.1#





#82

4-Chlorotoluene

Concen: 5.182 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.13 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampled :

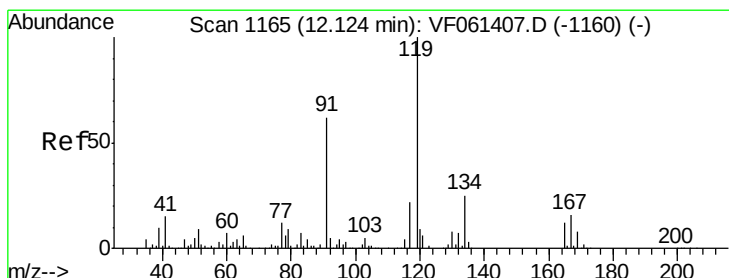
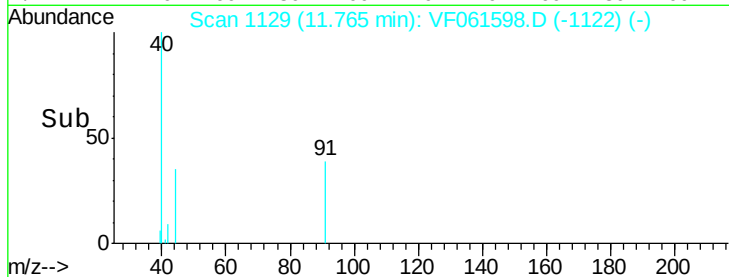
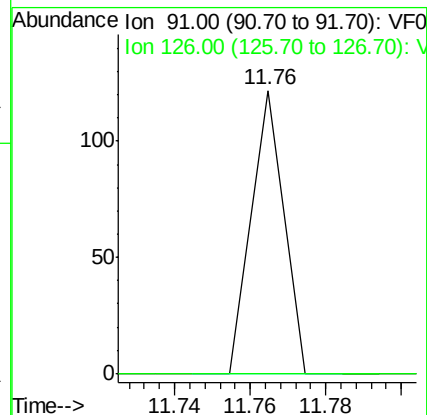
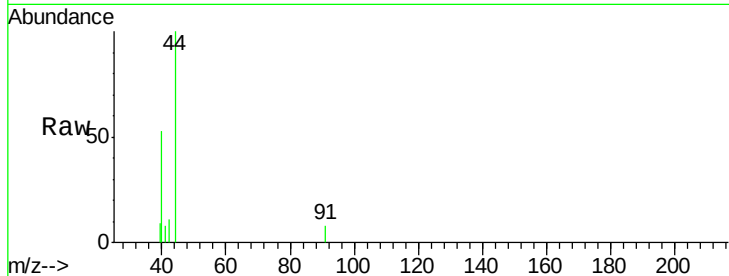
SB-4RE

Tot Ion: 91 Resp: 72

Ion Ratio Lower Upper

91 100

126 0.0 16.0 47.9#



#83

tert-Butylbenzene

Concen: 3.982 ug/l

RT: 12.08 min Scan# 1161

Delta R.T. -0.04 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

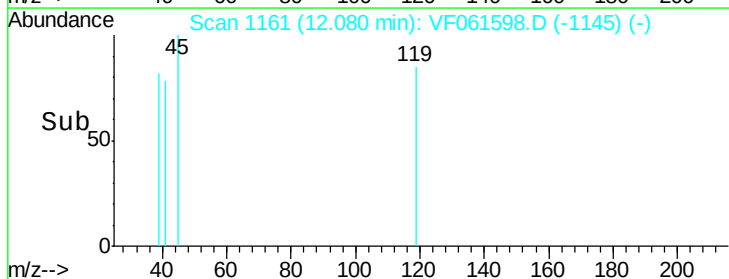
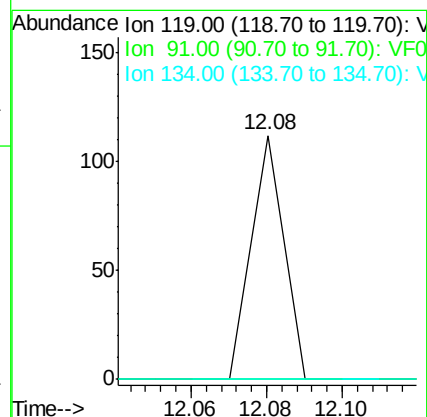
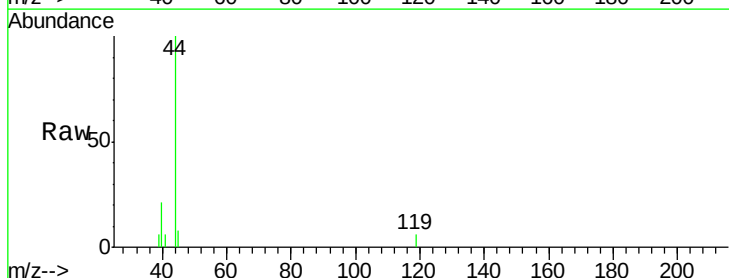
Tgt Ion: 119 Resp: 66

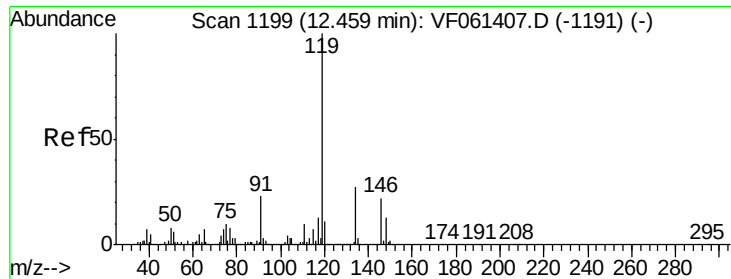
Ion Ratio Lower Upper

119 100

91 0.0 31.3 93.8#

134 0.0 12.4 37.0#

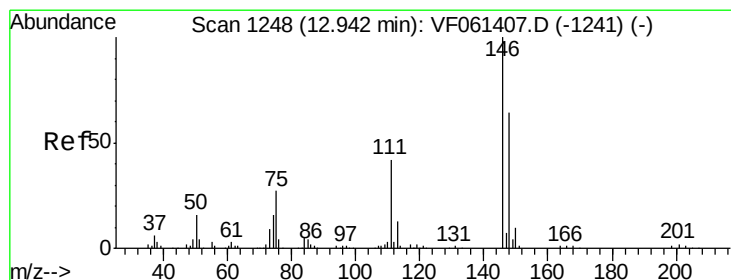
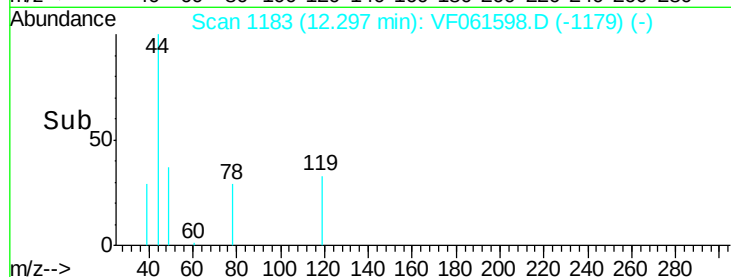
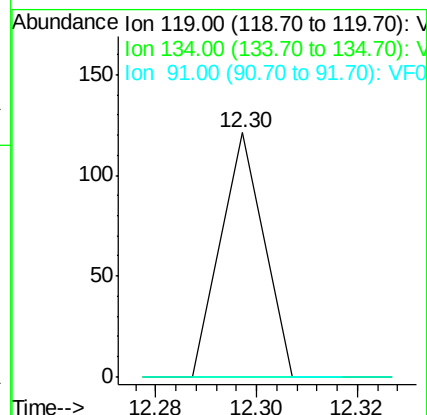
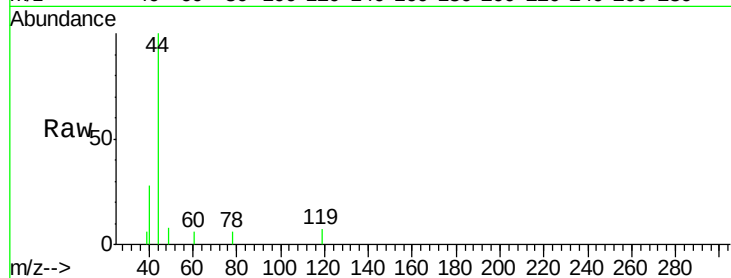




#86
 p-Isopropyltoluene
 Concen: 3.896 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

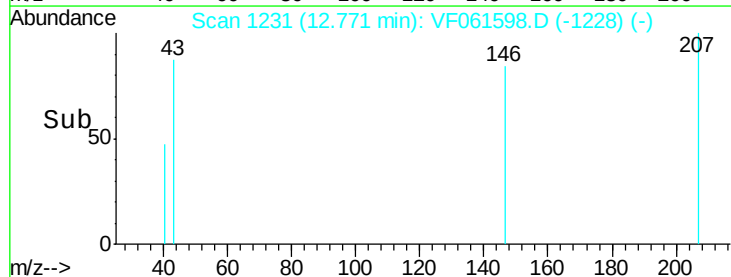
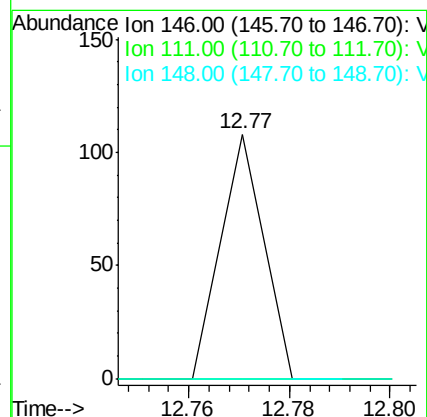
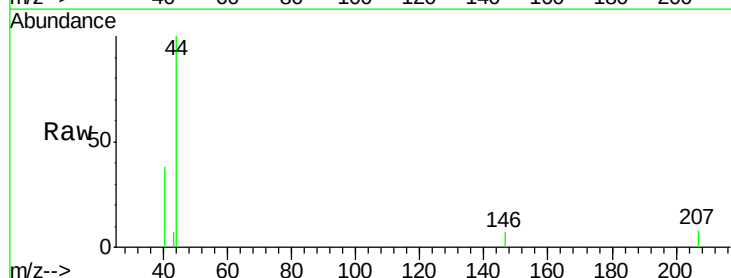
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4RE

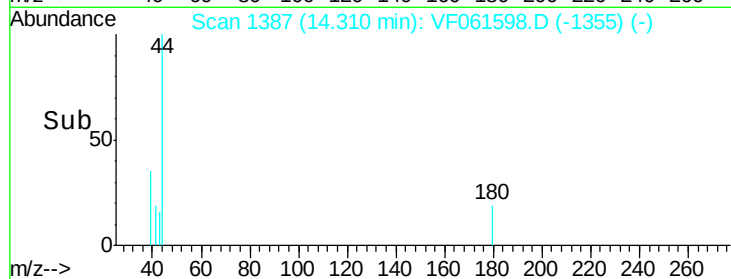
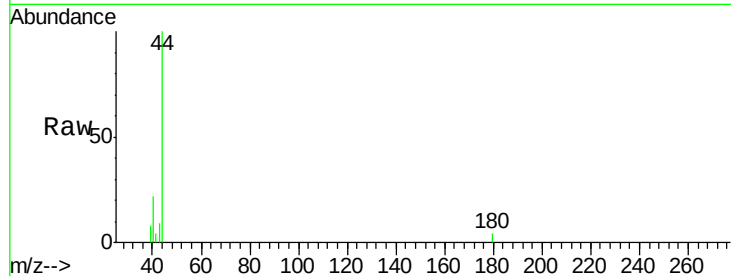
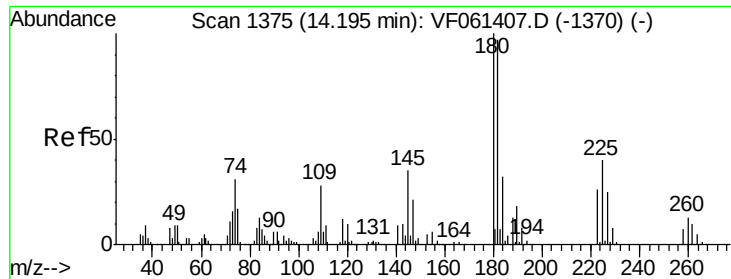
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.4	40.2#
91	0.0	11.4	34.2#



#91
 1,2-Dichlorobenzene
 Concen: 8.163 ug/l
 RT: 12.77 min Scan# 1231
 Delta R.T. -0.17 min
 Lab File: VF061598.D
 Acq: 11 Feb 2019 21:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.3#
148	0.0	31.9	95.7#





#93

1,2,4-Trichlorobenzene

Concen: 11.289 ug/l

RT: 14.31 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VF061598.D

Acq: 11 Feb 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

SB-4RE

Tot Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 48.5 145.6#

145 0.0 17.5 52.6#

