

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062073.D
 Acq On : 21 Mar 2019 21:14
 Operator : VA/AP
 Sample : K2004-09RE
 Misc : 3.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

Quant Time: Mar 22 08:10:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	96484	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	152793	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	56845	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	18428	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	42677	61.45	ug/l	0.02
Spiked Amount	50.000		Recovery	=	122.90%	
35) Dibromofluoromethane	4.13	113	55003	53.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.22%	
50) Toluene-d8	7.58	98	330459	110.18	ug/l	0.03
Spiked Amount	50.000		Recovery	=	220.36%	
62) 4-Bromofluorobenzene	11.50	95	341780	286.84	ug/l	0.10
Spiked Amount	50.000		Recovery	=	573.68%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.69	59	79	1.859	ug/l #	1
13) Acrolein	2.05	56	14408	314.045	ug/l #	1
14) Allyl chloride	2.05	41	287037	276.135	ug/l #	50
15) Acrylonitrile	2.92	53	21405	165.626	ug/l #	46
16) Acetone	2.26	43	65490	419.917	ug/l #	80
18) Methyl Acetate	2.39	43	13958	39.493	ug/l #	53
20) Methylene Chloride	2.19	84	3691	4.536	ug/l #	1
25) 2-Butanone	4.36	43	369001	1194.670	ug/l #	55
29) Tetrahydrofuran	4.00	42	256596	1910.234	ug/l #	1
30) Chloroform	3.89	83	2054	1.247	ug/l #	1
31) Cyclohexane	3.78	56	8794	6.123	ug/l	93
37) Ethyl Acetate	4.00	43	1357421	2191.008	ug/l #	18
39) Methylcyclohexane	5.48	83	299179	184.696	ug/l	93
43) Isopropyl Acetate	6.89	43	850932	1160.865	ug/l #	38
45) 1,2-Dichloropropane	6.27	63	2169	2.507	ug/l #	1
46) Dibromomethane	6.14	93	850	1.651	ug/l #	1
48) Methyl methacrylate	6.79	41	461405	973.953	ug/l #	65
51) 4-Methyl-2-Pentanone	8.31	43	766945	1473.409	ug/l #	44
55) 1,1,2-Trichloroethane	8.42	97	572669	918.505	ug/l #	47
56) Ethyl methacrylate	8.66	69	625078	881.948	ug/l #	82
58) 2-Chloroethyl Vinyl ether	7.32	63	2965	23.097	ug/l #	49
59) 2-Hexanone	9.54	43	153093	406.398	ug/l #	40
65) Chlorobenzene	9.77	112	29514	27.887	ug/l #	41
67) Ethyl Benzene	10.01	91	8375	4.622	ug/l #	44
68) m/p-Xylenes	10.15	106	2865	4.204	ug/l #	71
69) o-Xylene	10.74	106	3620	4.964	ug/l #	1
73) Isopropylbenzene	11.14	105	4584	3.601	ug/l	86
74) N-amyl acetate	11.42	43	191895	657.812	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.68	83	160227	762.468	ug/l #	35
76) 1,2,3-Trichloropropane	11.74	75	177	1.205	ug/l #	1
77) Bromobenzene	11.49	156	301	1.021	ug/l #	1
78) n-propylbenzene	11.57	91	3506	2.395	ug/l #	52
79) 2-Chlorotoluene	11.73	91	7321	8.860	ug/l	72
80) 1,3,5-Trimethylbenzene	11.84	105	8833	8.589	ug/l	87

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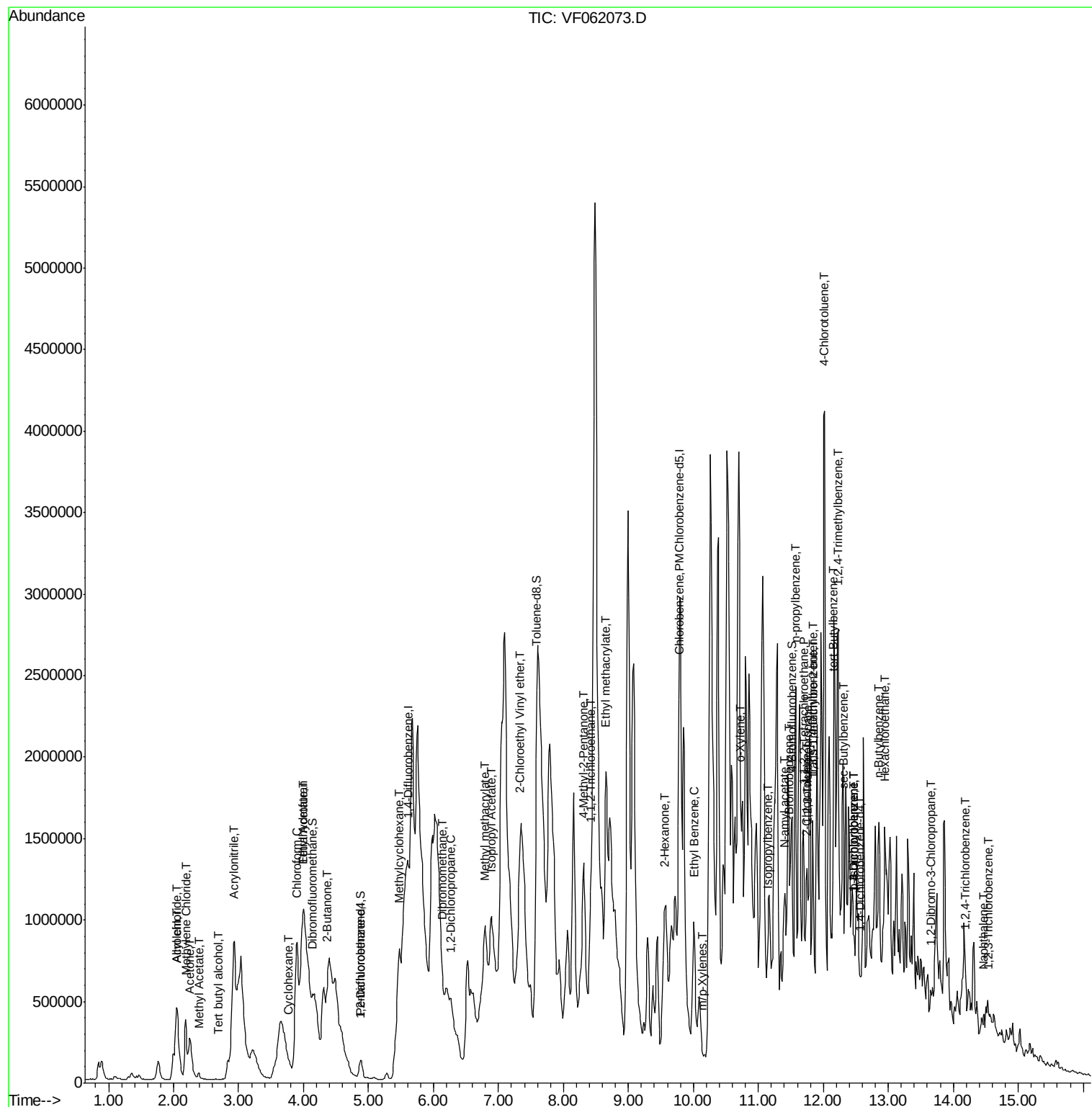
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.85	75	2014	30.982	ug/l #	1
82) 4-Chlorotoluene	12.03	91	7231	8.654	ug/l	78
83) tert-Butylbenzene	12.15	119	27026	25.128	ug/l #	63
84) 1,2,4-Trimethylbenzene	12.21	105	12071	11.718	ug/l	90
85) sec-Butylbenzene	12.32	105	12043	8.288	ug/l #	1
86) p-Isopropyltoluene	12.47	119	4624	3.813	ug/l #	1
87) 1,3-Dichlorobenzene	12.48	146	3737	6.449	ug/l #	1
88) 1,4-Dichlorobenzene	12.48	146	3737	6.700	ug/l #	1
89) n-Butylbenzene	12.86	91	7759	6.810	ug/l #	57
90) Hexachloroethane	12.94	117	3343	12.081	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.64	75	905	26.837	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.20	180	1492	3.992	ug/l #	1
95) Naphthalene	14.47	128	5564	8.278	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.55	180	4737	13.777	ug/l	78

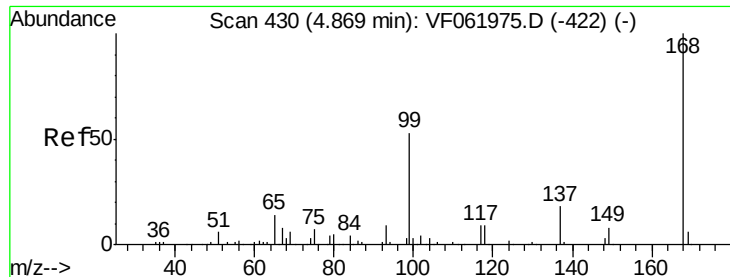
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

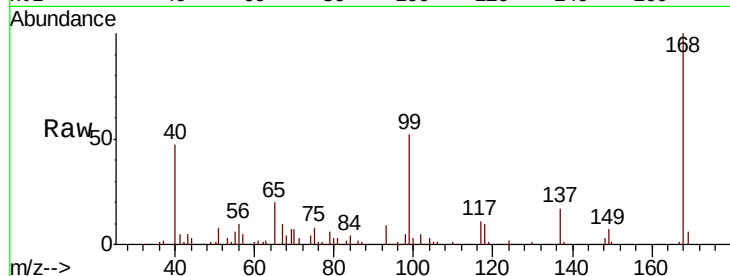
SB-22(7-8)RE

Tgt Ion:168 Resp: 96484

Ion Ratio Lower Upper

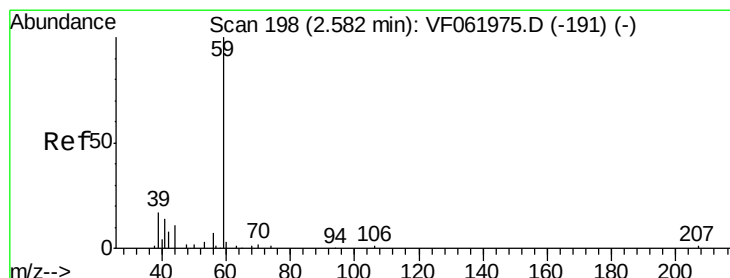
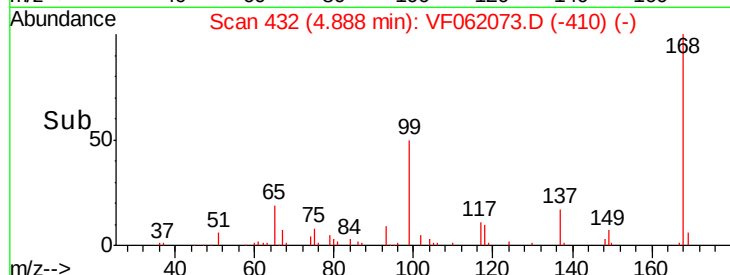
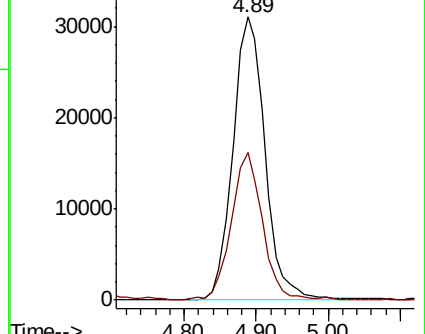
168 100

99 52.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.859 ug/l

RT: 2.69 min Scan# 209

Delta R.T. 0.11 min

Lab File: VF062073.D

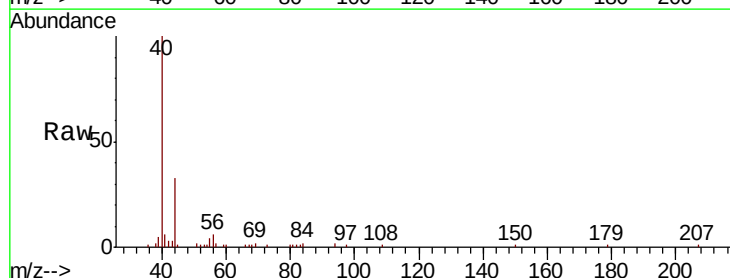
Acq: 21 Mar 2019 21:14

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

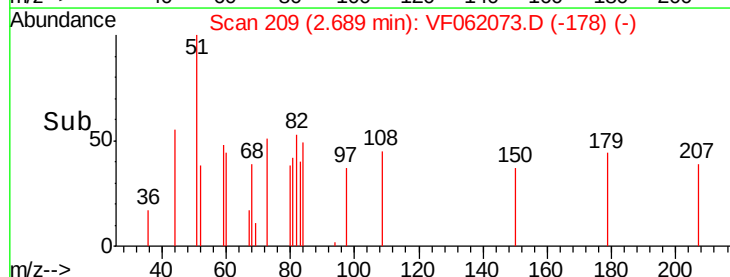
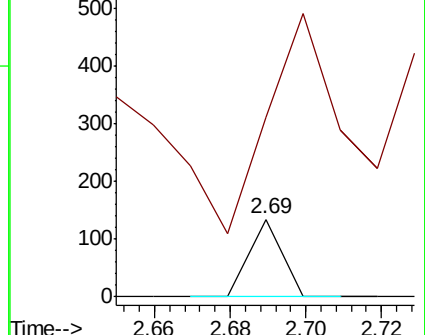
59 100

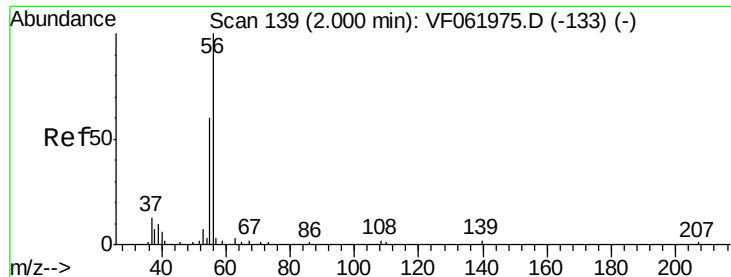
57 232.8 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 314.045 ug/l

RT: 2.05 min Scan# 144

Delta R.T. 0.05 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

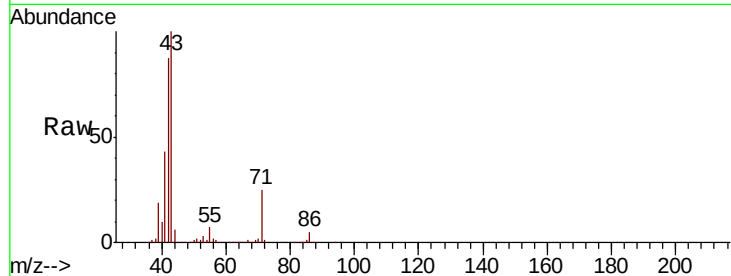
SB-22(7-8)RE

Tgt Ion: 56 Resp: 14408

Ion Ratio Lower Upper

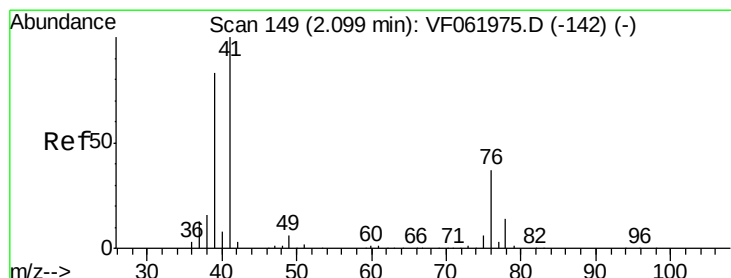
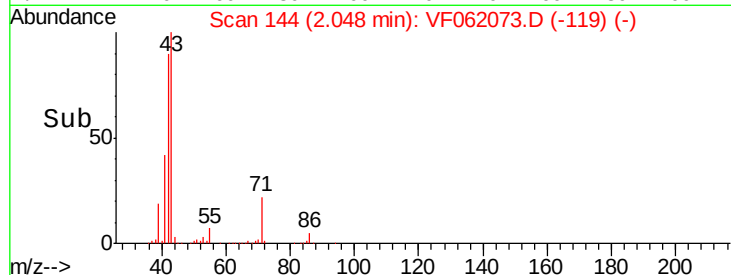
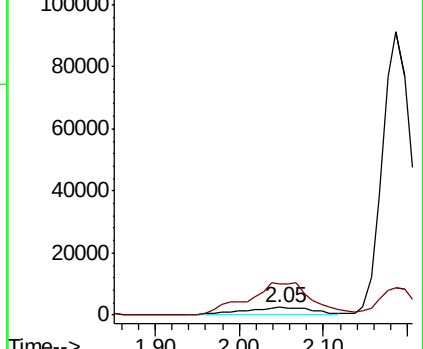
56 100

55 413.5 49.1 73.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 276.135 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.05 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

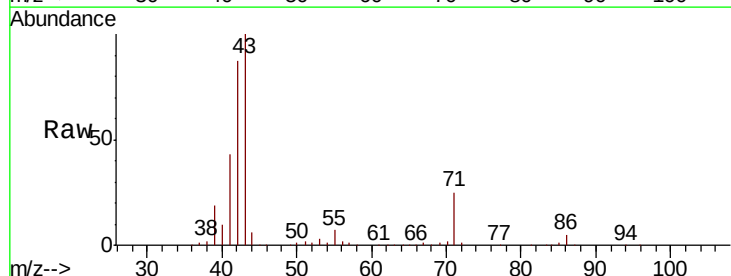
Tgt Ion: 41 Resp: 287037

Ion Ratio Lower Upper

41 100

39 44.4 66.8 100.2#

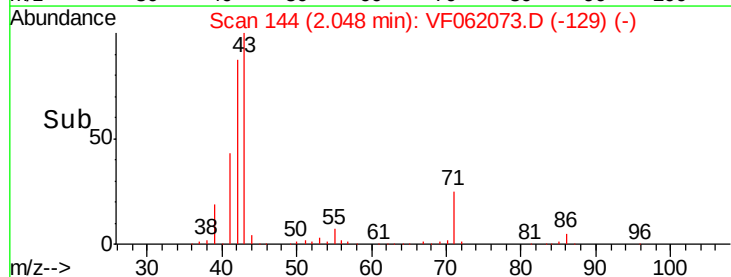
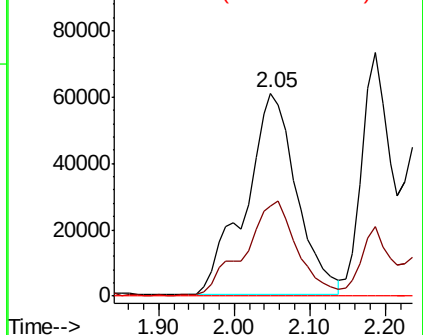
76 0.0 31.1 46.7#

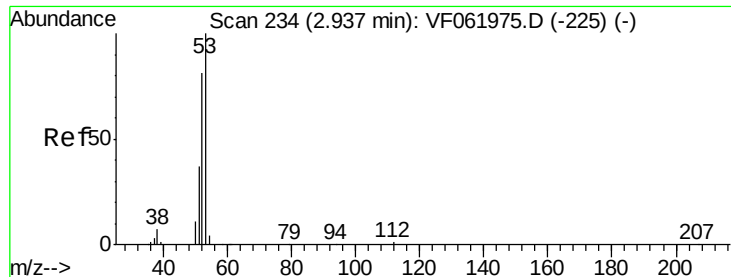


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 165.626 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

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ClientSampleId :

SB-22(7-8)RE

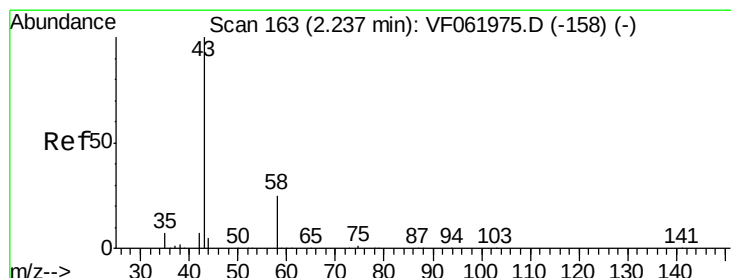
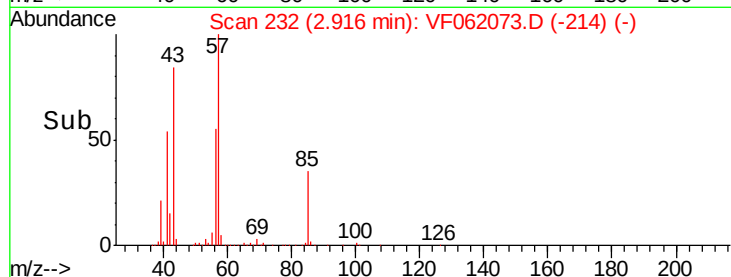
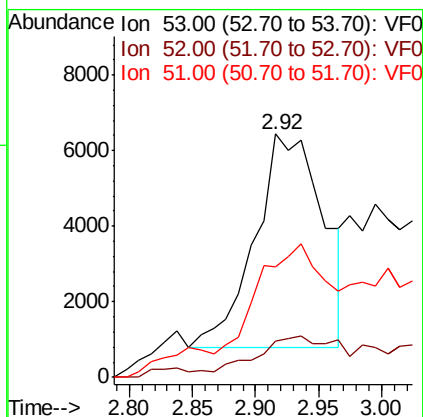
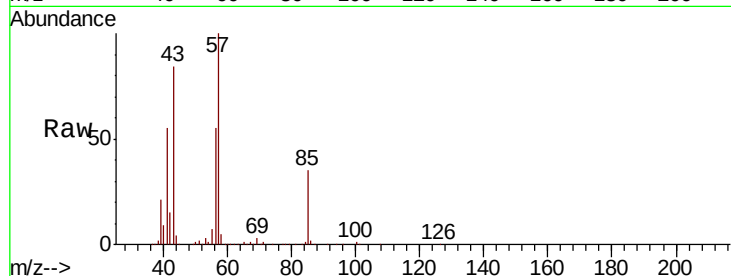
Tgt Ion: 53 Resp: 21405

Ion Ratio Lower Upper

53 100

52 14.9 64.4 96.6#

51 45.5 30.3 45.5#



#16

Acetone

Concen: 419.917 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.02 min

Lab File: VF062073.D

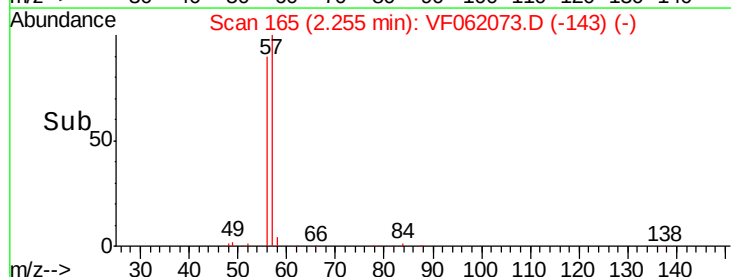
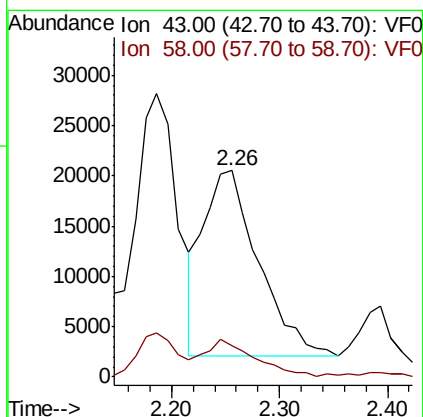
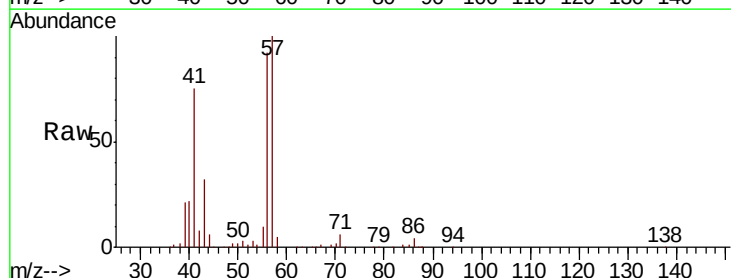
Acq: 21 Mar 2019 21:14

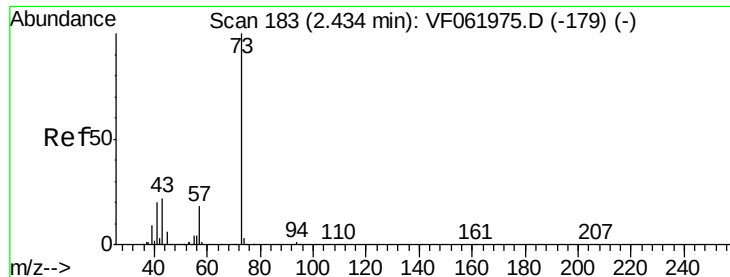
Tgt Ion: 43 Resp: 65490

Ion Ratio Lower Upper

43 100

58 15.0 19.9 29.9#

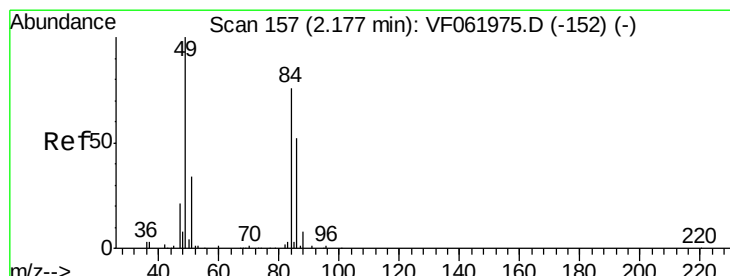
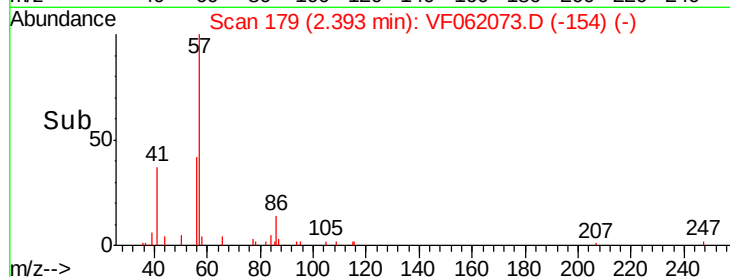
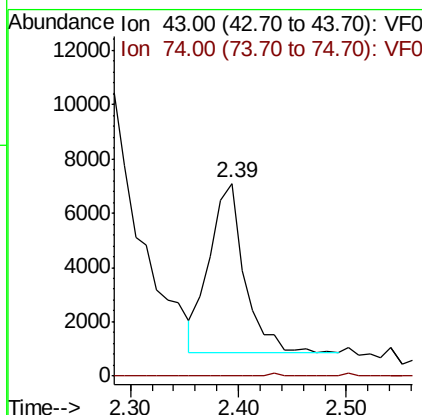
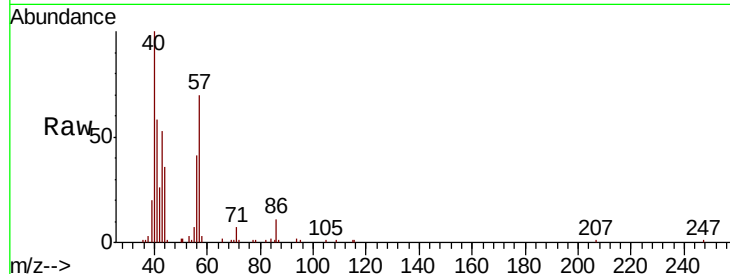




#18
Methyl Acetate
Concen: 39.493 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.05 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

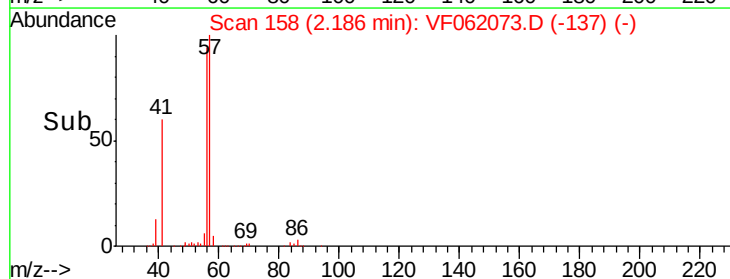
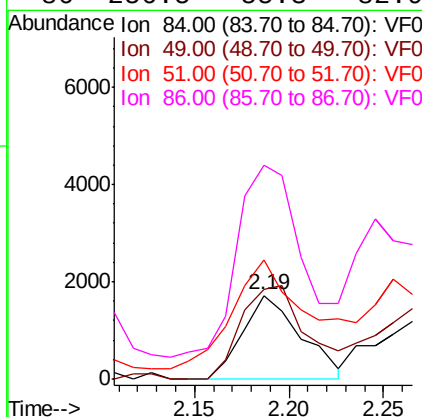
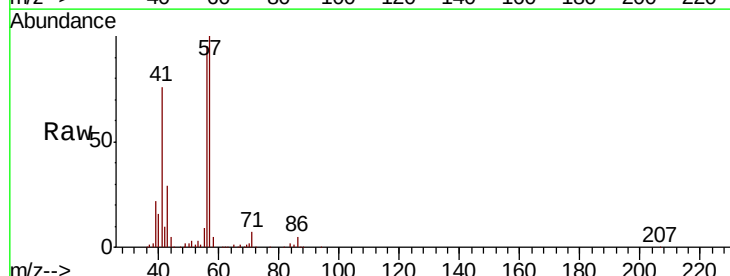
Instrument :
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SB-22(7-8)RE

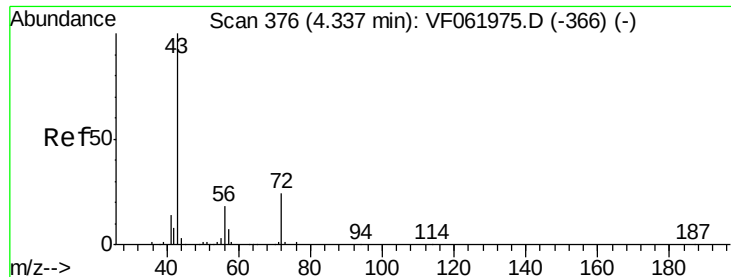
Tgt Ion: 43 Resp: 13958
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 4.536 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion: 84 Resp: 3691
Ion Ratio Lower Upper
84 100
49 108.2 107.0 160.6
51 142.7 37.2 55.8#
86 256.5 55.3 82.9#





#25

2-Butanone

Concen: 1194.670 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

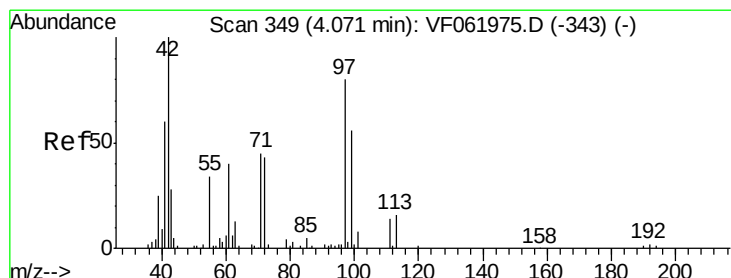
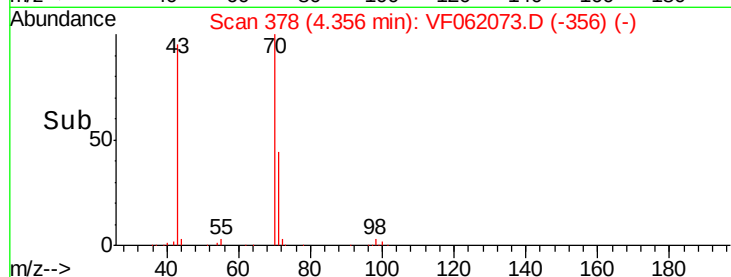
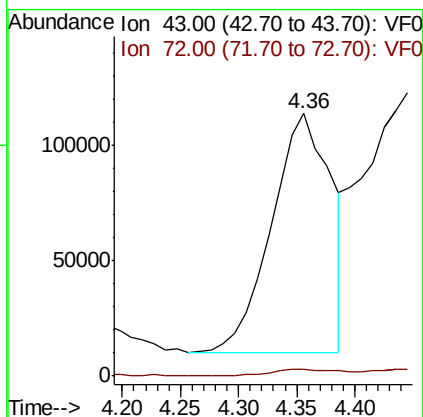
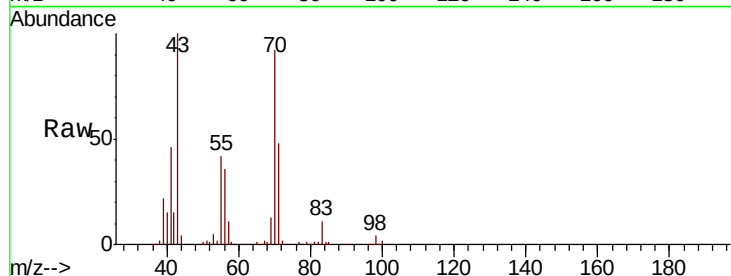
SB-22(7-8)RE

Tgt Ion: 43 Resp: 369001

Ion Ratio Lower Upper

43 100

72 2.4 19.8 29.6#



#29

Tetrahydrofuran

Concen: 1910.234 ug/l

RT: 4.00 min Scan# 342

Delta R.T. -0.07 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

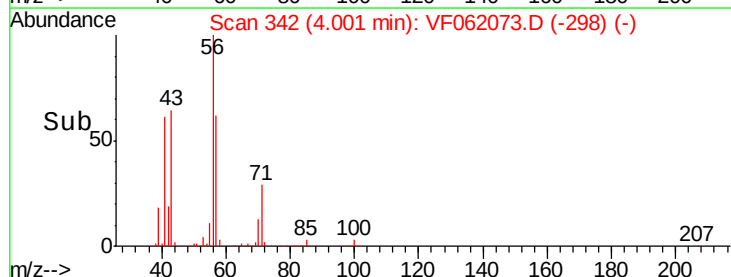
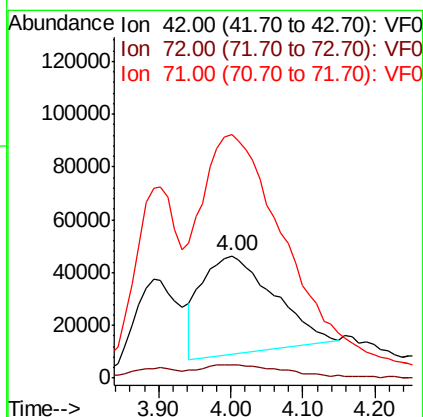
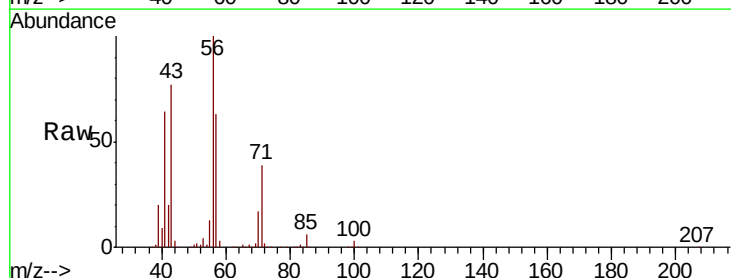
Tgt Ion: 42 Resp: 256596

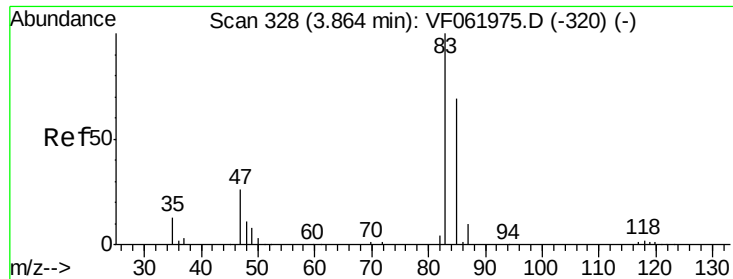
Ion Ratio Lower Upper

42 100

72 13.2 34.0 51.0#

71 274.4 34.2 51.4#

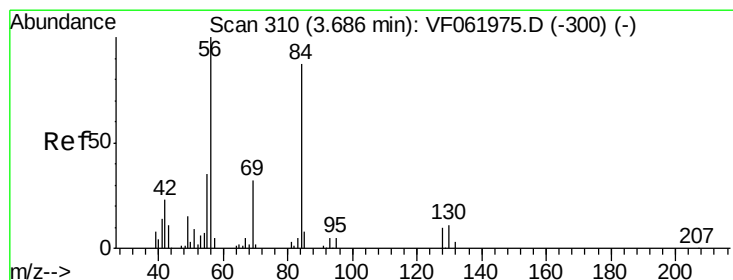
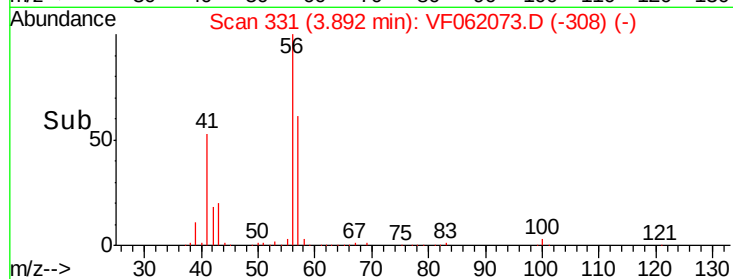
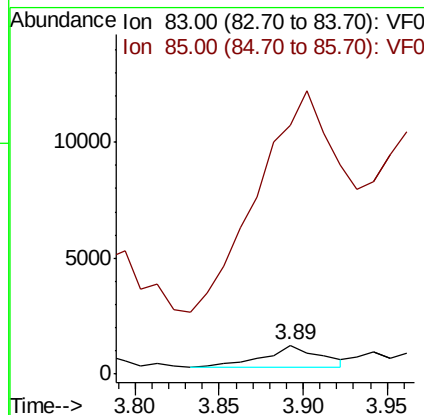
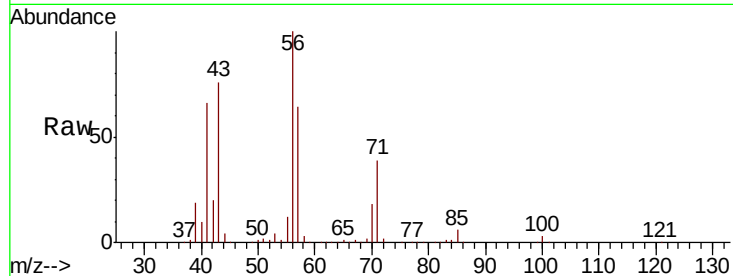




#30
Chloroform
Concen: 1.247 ug/l
RT: 3.89 min Scan# 331
Delta R.T. 0.03 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

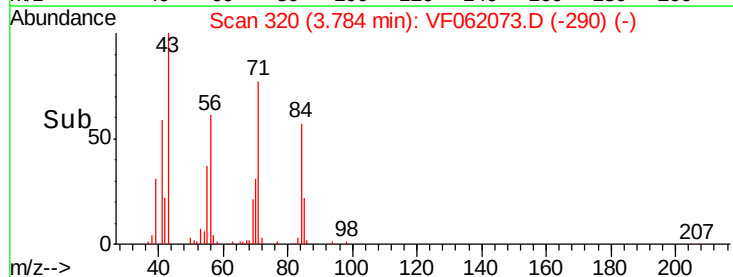
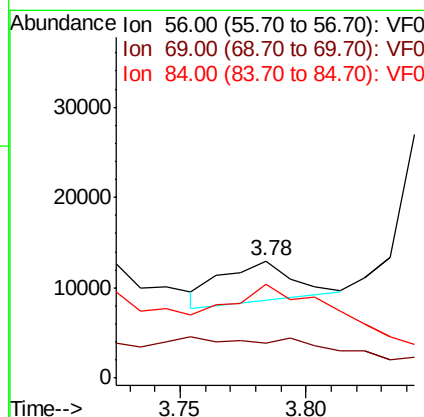
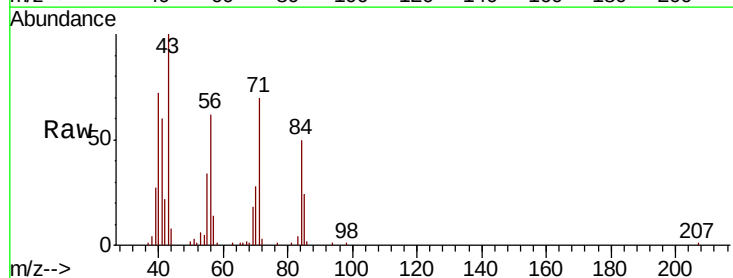
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

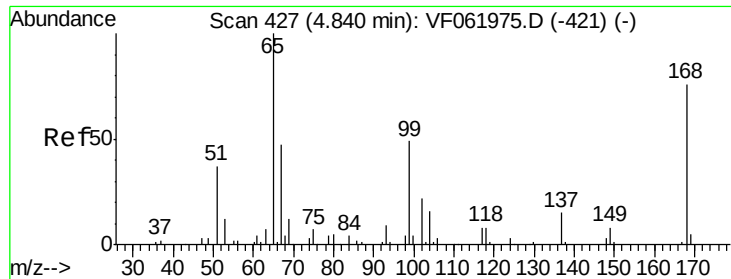
Tgt Ion: 83 Resp: 2054
Ion Ratio Lower Upper
83 100
85 859.0 55.5 83.3#



#31
Cyclohexane
Concen: 6.123 ug/l
RT: 3.78 min Scan# 320
Delta R.T. 0.10 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion: 56 Resp: 8794
Ion Ratio Lower Upper
56 100
69 29.4 25.8 38.8
84 80.0 69.5 104.3

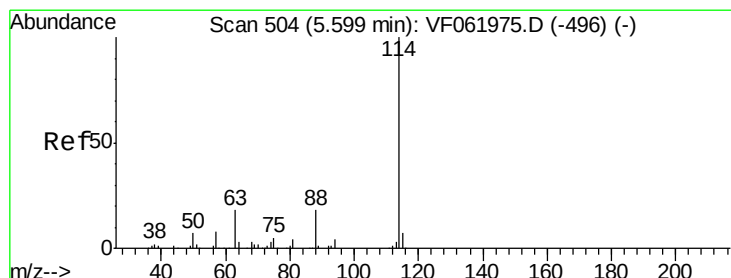
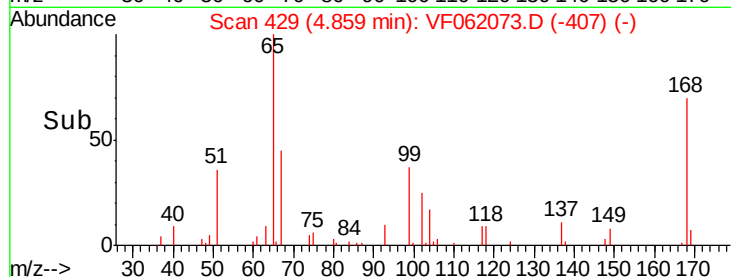
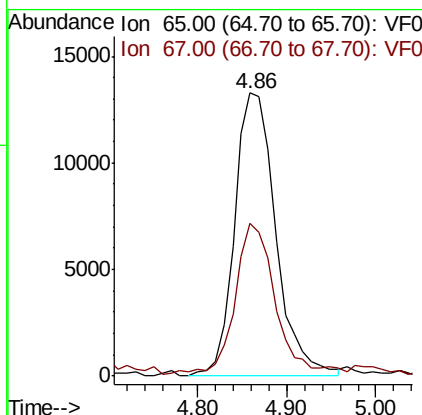
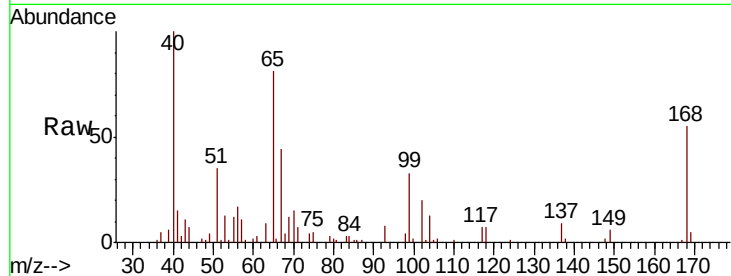




#33
 1,2-Dichloroethane-d4
 Concen: 61.447 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

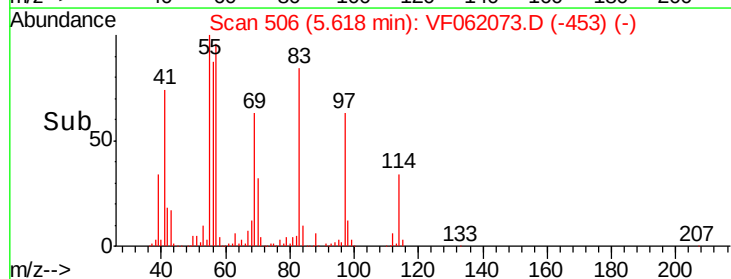
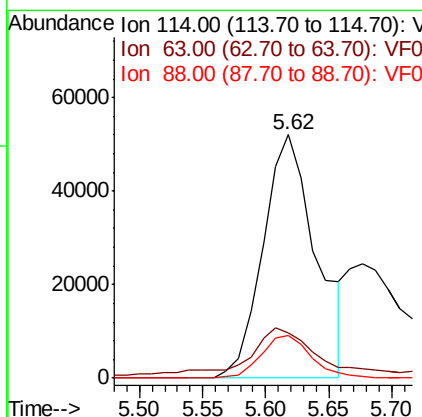
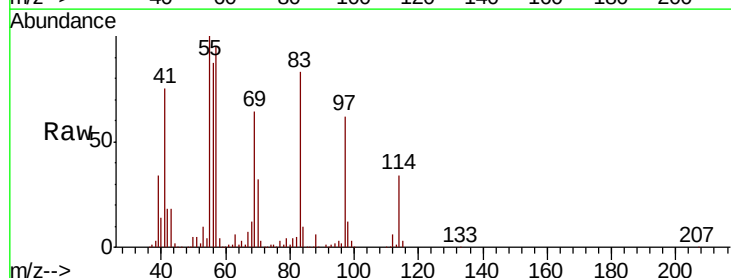
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

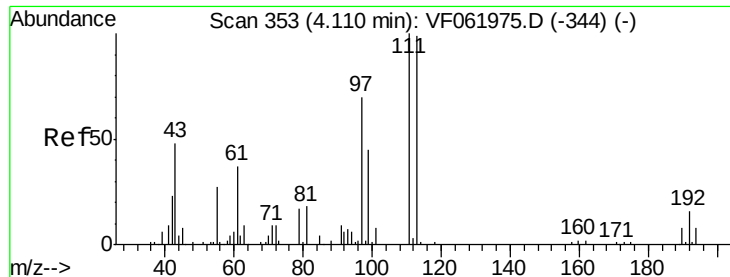
Tgt Ion: 65 Resp: 42677
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion: 114 Resp: 152793
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.4
 88 17.8 0.0 36.4

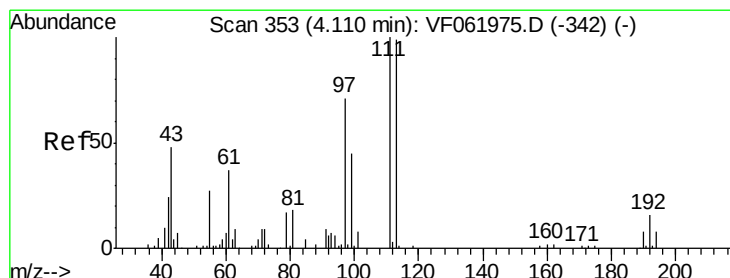
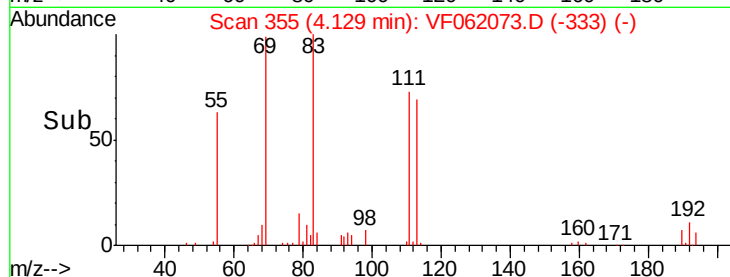
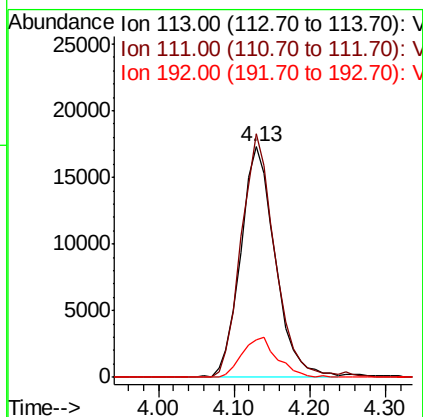
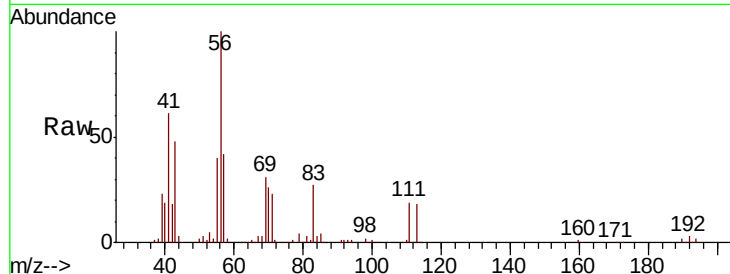




#35
 Dibromofluoromethane
 Concen: 53.607 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

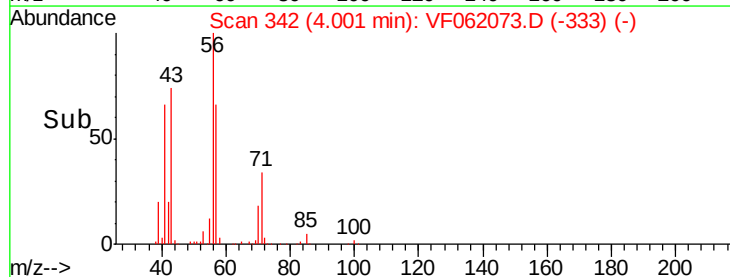
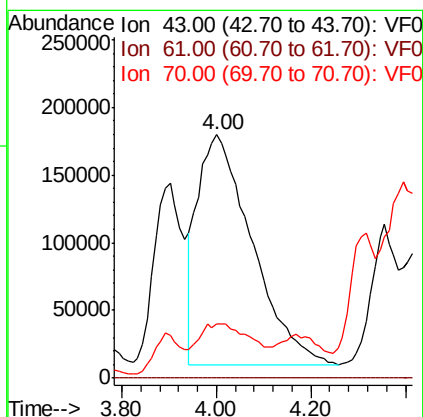
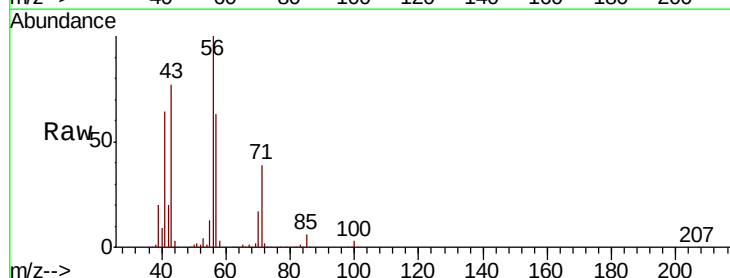
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

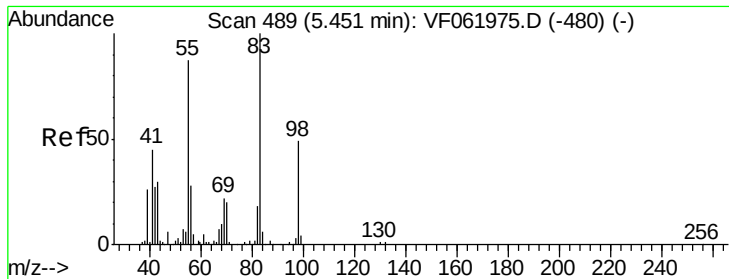
Tgt Ion:113 Resp: 55003
 Ion Ratio Lower Upper
 113 100
 111 105.7 80.8 121.2
 192 16.1 13.0 19.6



#37
 Ethyl Acetate
 Concen: 2191.008 ug/l
 RT: 4.00 min Scan# 342
 Delta R.T. -0.11 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion: 43 Resp: 1357421
 Ion Ratio Lower Upper
 43 100
 61 0.0 59.8 89.6#
 70 22.1 7.8 11.8#

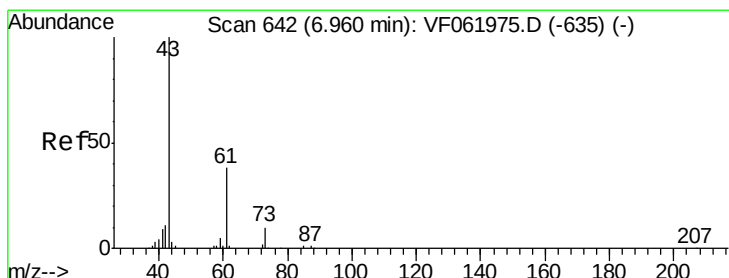
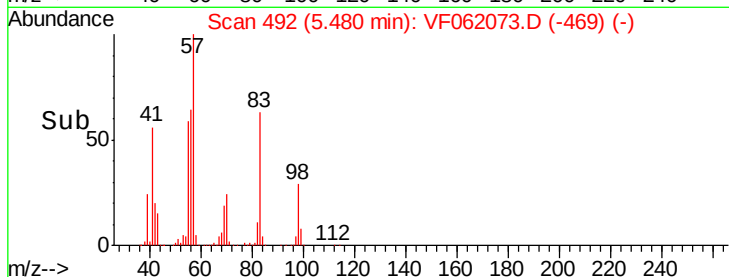
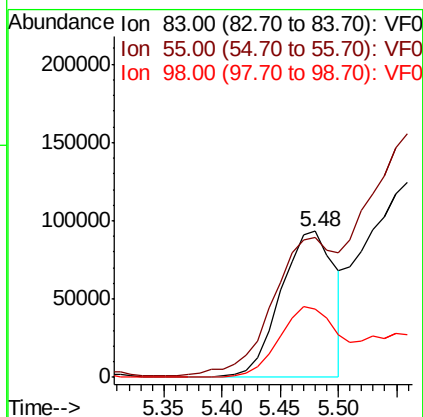
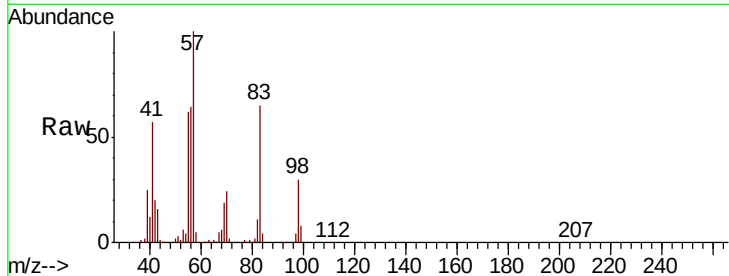




#39
Methylcyclohexane
Concen: 184.696 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.03 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

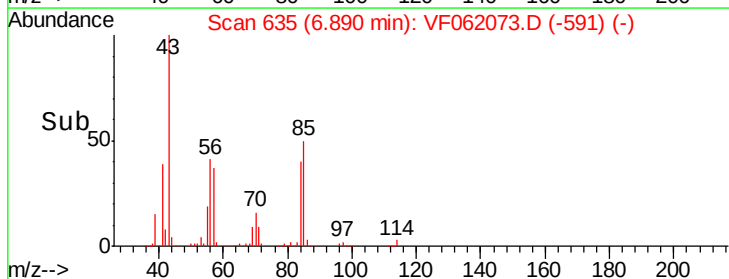
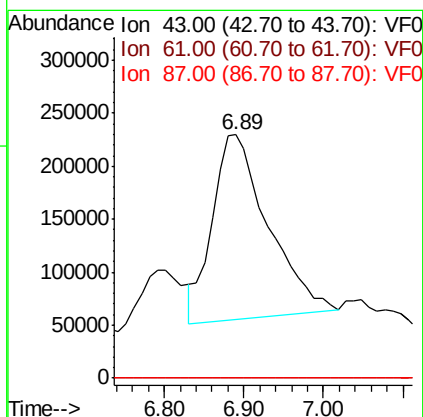
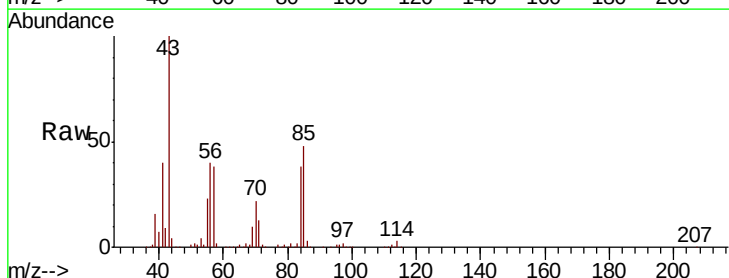
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

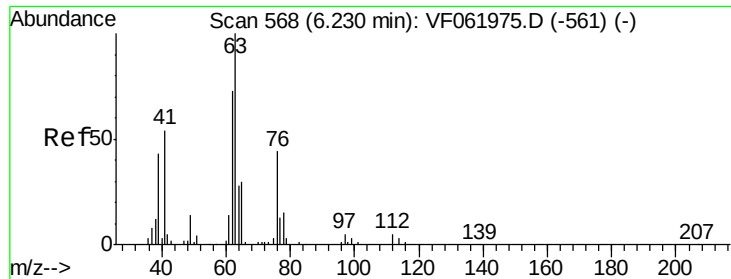
Tgt Ion: 83 Resp: 299179
Ion Ratio Lower Upper
83 100
55 95.3 69.7 104.5
98 46.6 39.4 59.0



#43
Isopropyl Acetate
Concen: 1160.865 ug/l
RT: 6.89 min Scan# 635
Delta R.T. -0.07 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion: 43 Resp: 850932
Ion Ratio Lower Upper
43 100
61 0.0 30.1 45.1#
87 0.1 0.4 0.6#

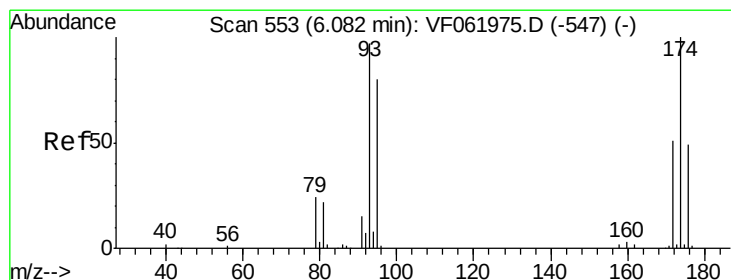
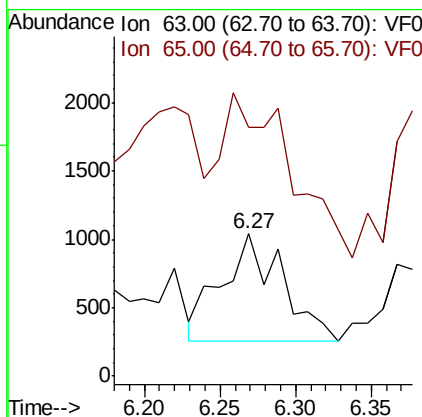
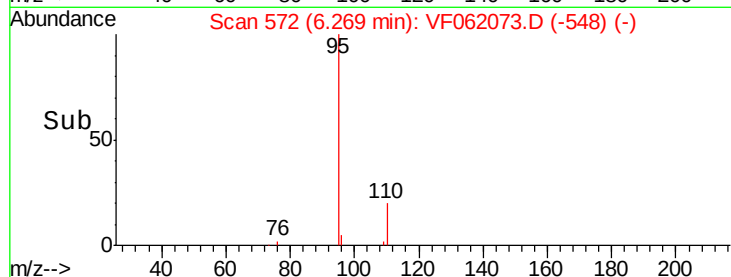
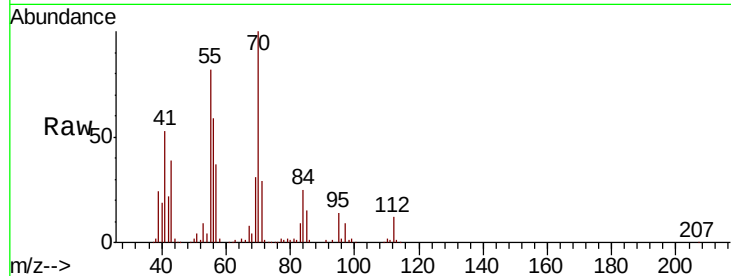




#45
 1,2-Dichloropropane
 Concen: 2.507 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. 0.04 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

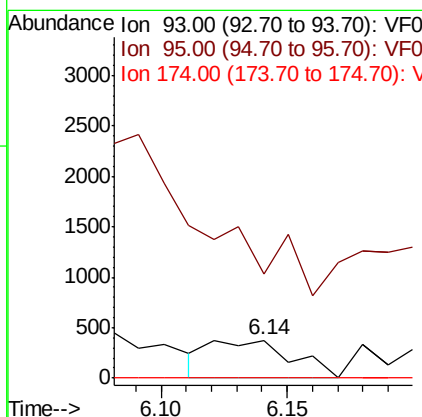
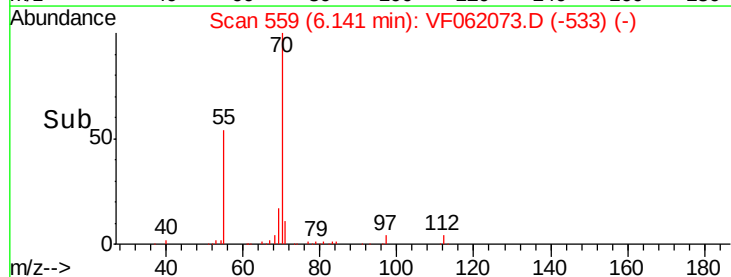
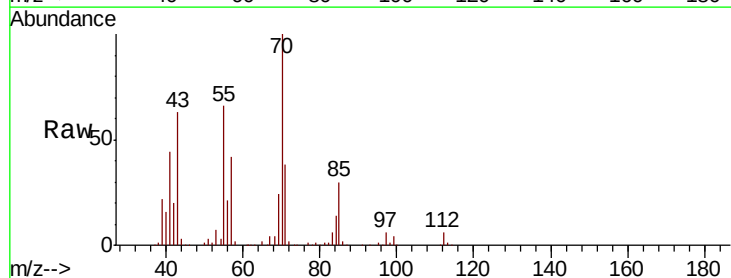
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

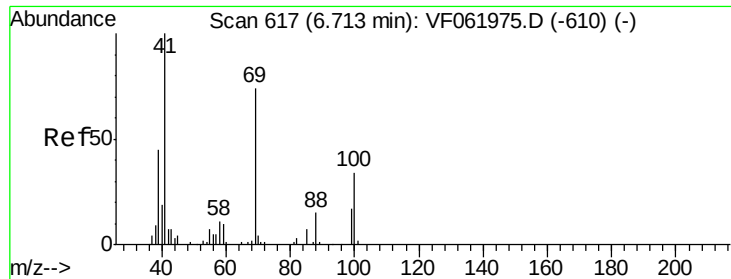
Tgt Ion: 63 Resp: 2169
 Ion Ratio Lower Upper
 63 100
 65 175.0 23.7 35.5#



#46
 Dibromomethane
 Concen: 1.651 ug/l
 RT: 6.14 min Scan# 559
 Delta R.T. 0.06 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion: 93 Resp: 850
 Ion Ratio Lower Upper
 93 100
 95 278.8 65.7 98.5#
 174 0.0 82.2 123.4#

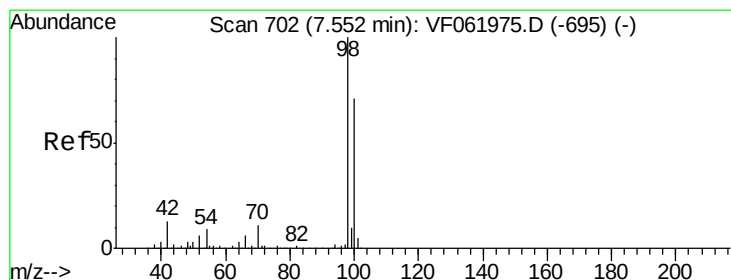
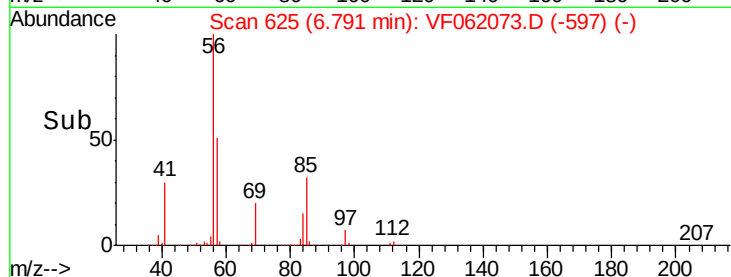
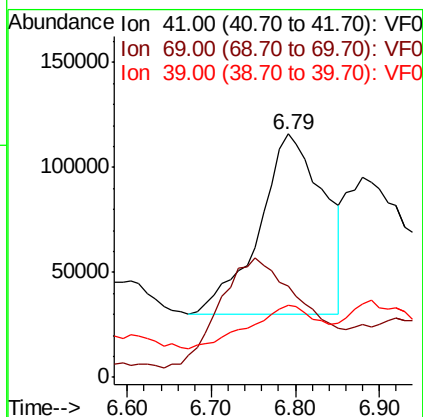
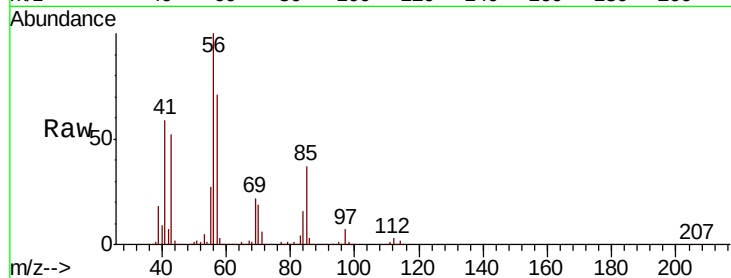




#48
Methyl methacrylate
Concen: 973.953 ug/l
RT: 6.79 min Scan# 625
Delta R.T. 0.08 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

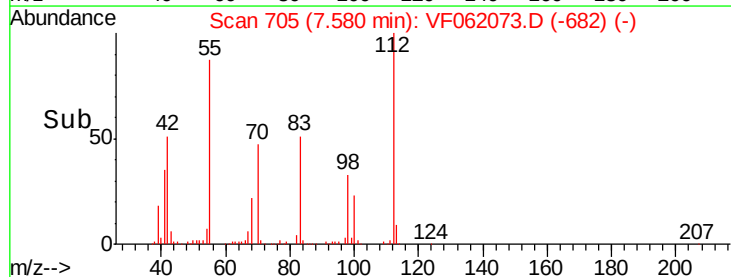
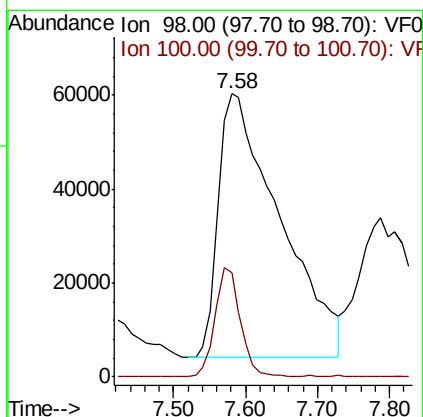
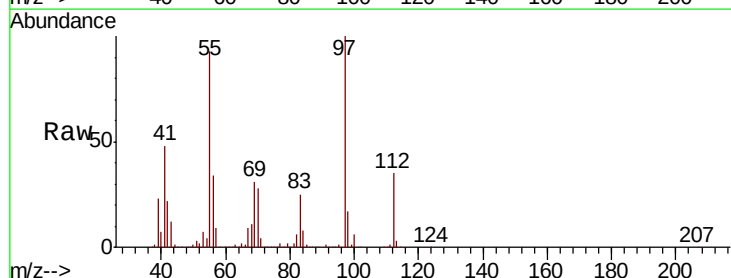
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

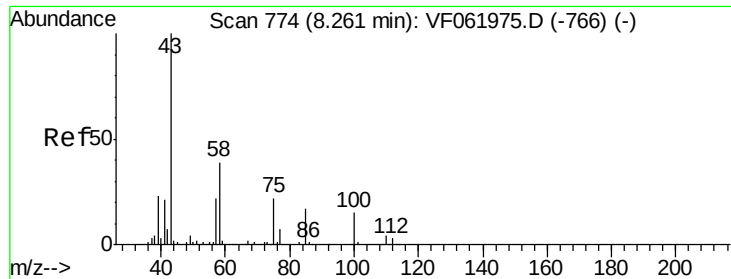
Tgt Ion: 41 Resp: 461405
Ion Ratio Lower Upper
41 100
69 37.6 59.0 88.6#
39 29.7 35.6 53.4#



#50
Toluene-d8
Concen: 110.175 ug/l
RT: 7.58 min Scan# 705
Delta R.T. 0.03 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion: 98 Resp: 330459
Ion Ratio Lower Upper
98 100
100 36.9 56.8 85.2#





#51

4-Methyl-2-Pentanone

Concen: 1473.409 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.05 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

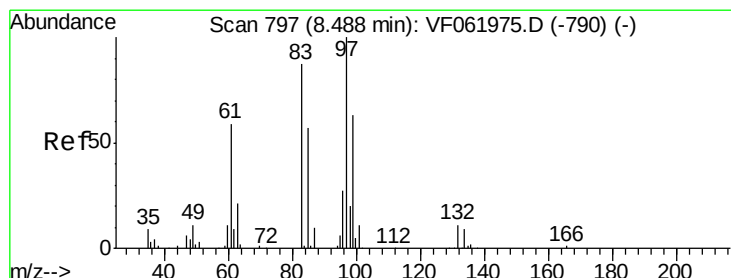
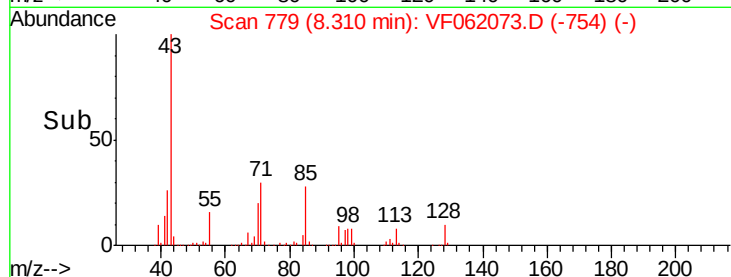
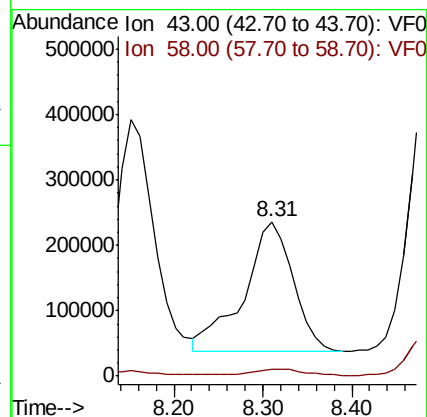
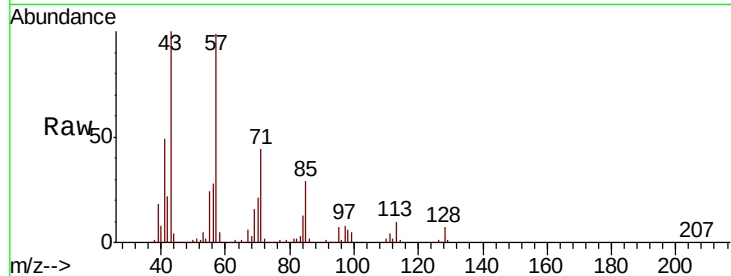
SB-22(7-8)RE

Tgt Ion: 43 Resp: 766945

Ion Ratio Lower Upper

43 100

58 4.8 31.1 46.7#



#55

1,1,2-Trichloroethane

Concen: 918.505 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.07 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Tgt Ion: 97 Resp: 572669

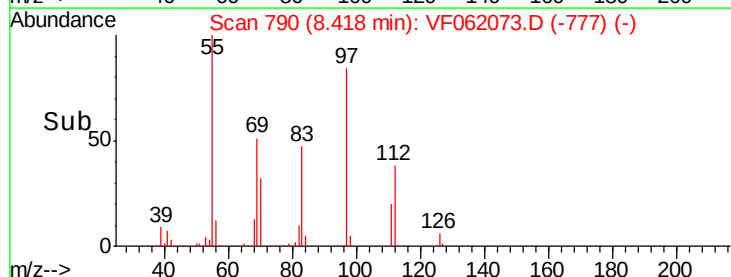
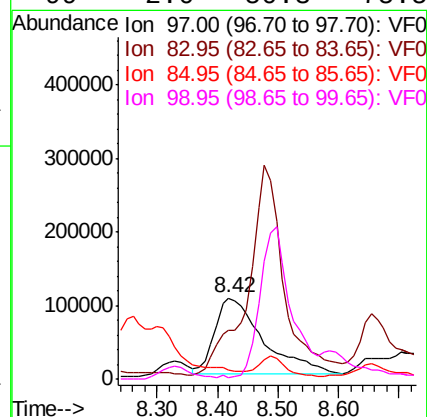
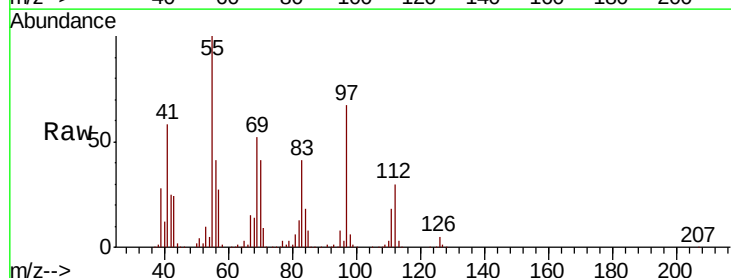
Ion Ratio Lower Upper

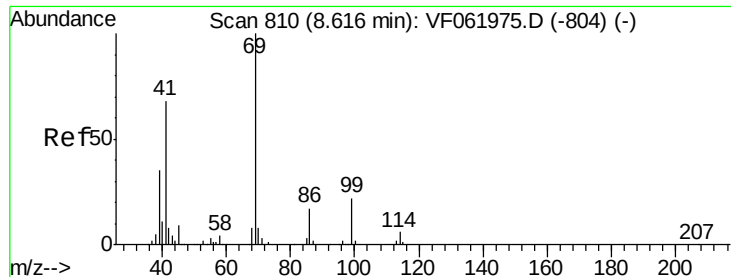
97 100

83 60.2 69.7 104.5#

85 11.6 45.8 68.6#

99 2.0 50.3 75.5#





#56

Ethyl methacrylate

Concen: 881.948 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.04 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

SB-22(7-8)RE

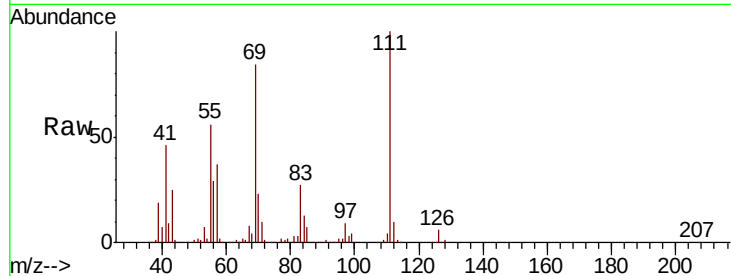
Tgt Ion: 69 Resp: 625078

Ion Ratio Lower Upper

69 100

41 55.0 54.7 82.1

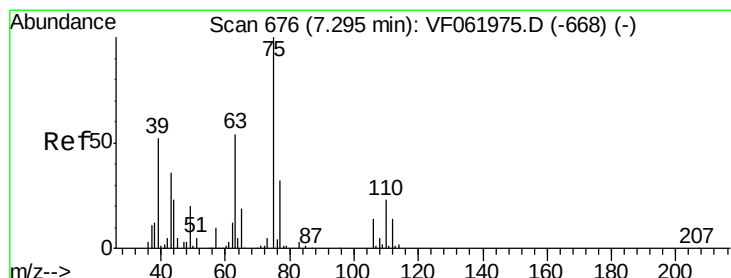
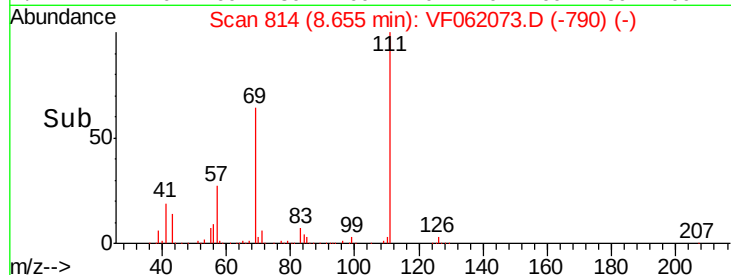
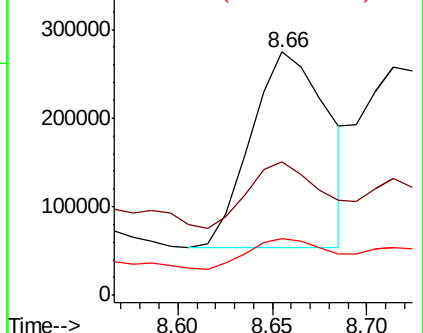
39 23.3 27.9 41.9#



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



#58

2-Chloroethyl Vinyl ether

Concen: 23.097 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.03 min

Lab File: VF062073.D

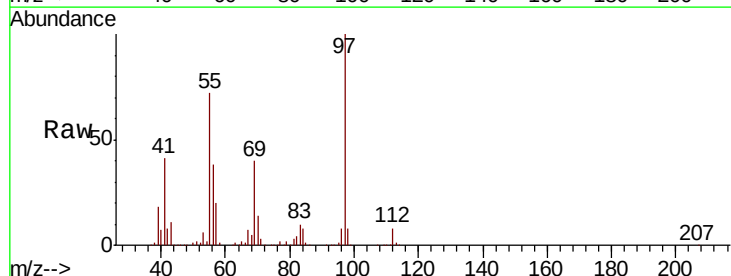
Acq: 21 Mar 2019 21:14

Tgt Ion: 63 Resp: 2965

Ion Ratio Lower Upper

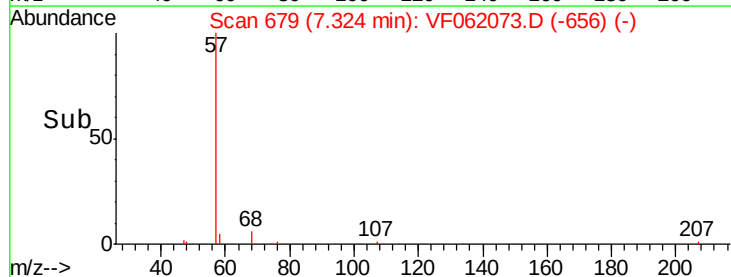
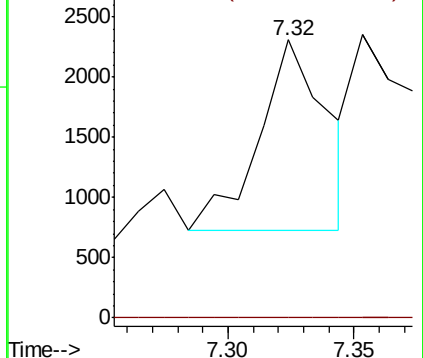
63 100

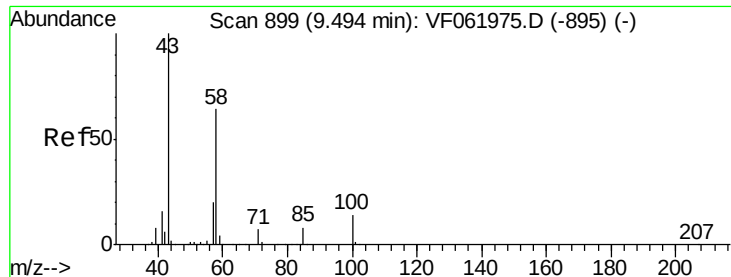
106 0.0 20.9 31.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

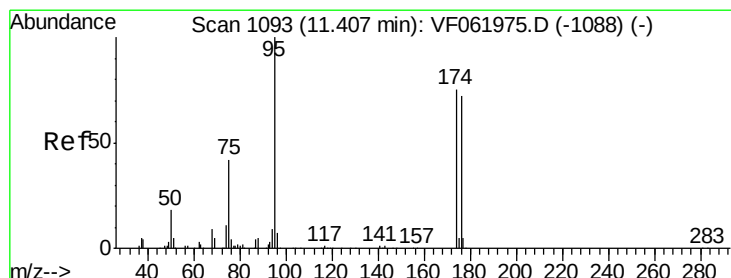
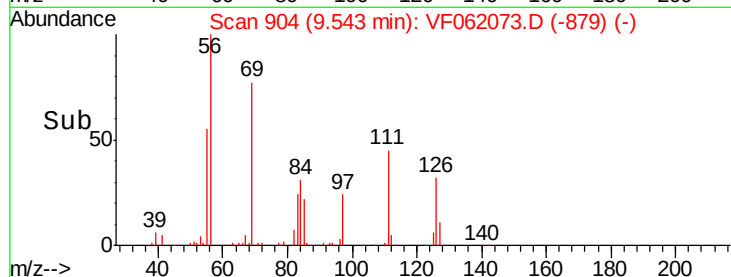
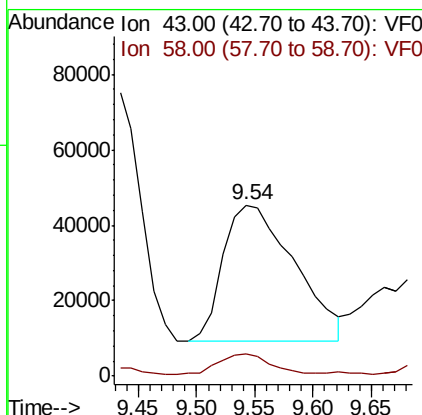
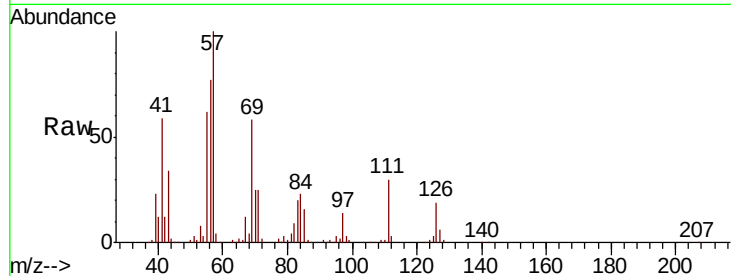




#59
2-Hexanone
Concen: 406.398 ug/l
RT: 9.54 min Scan# 904
Delta R.T. 0.05 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

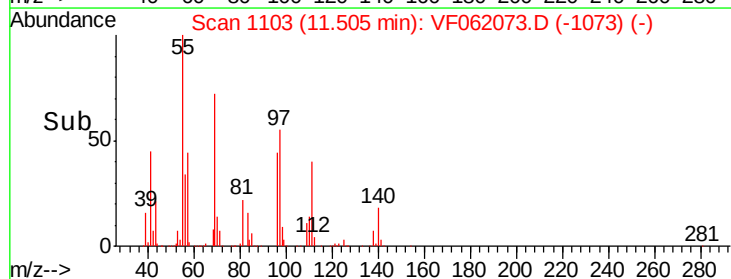
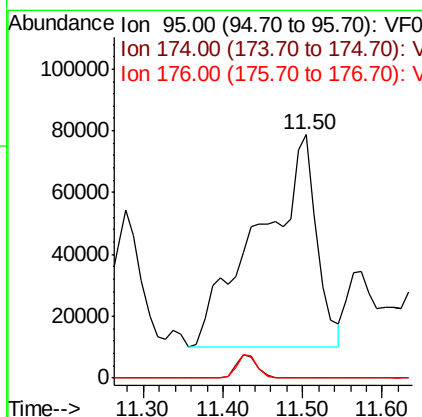
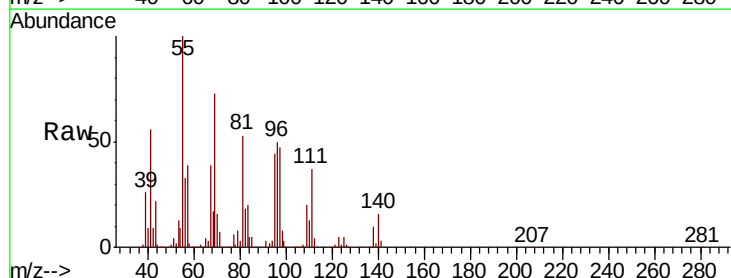
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

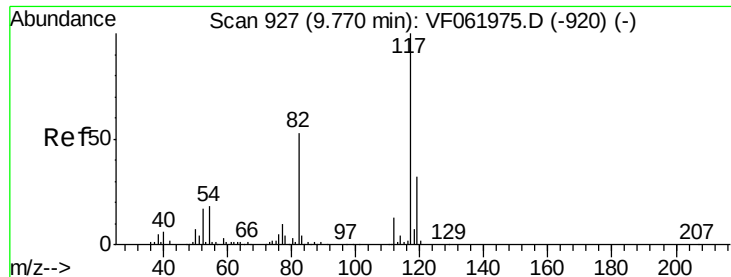
Tgt Ion: 43 Resp: 153093
Ion Ratio Lower Upper
43 100
58 12.8 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 286.837 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.10 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion: 95 Resp: 341780
Ion Ratio Lower Upper
95 100
174 0.0 0.0 149.4
176 0.0 0.0 143.4

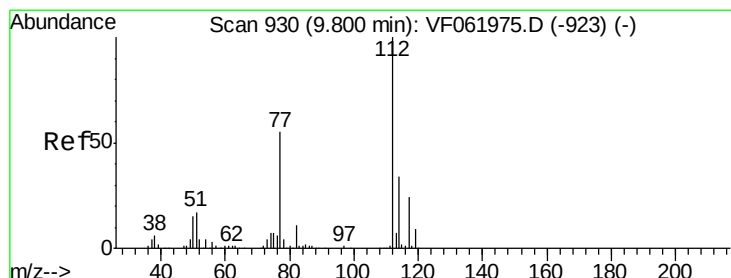
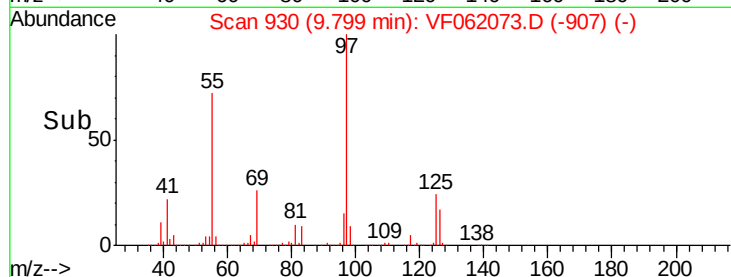
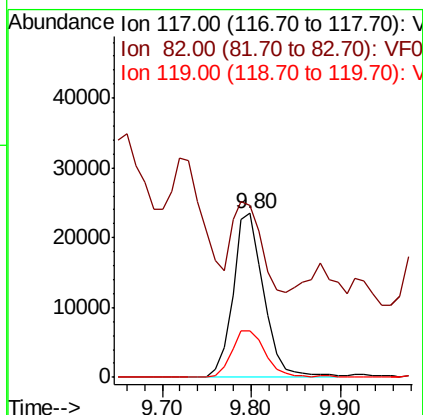
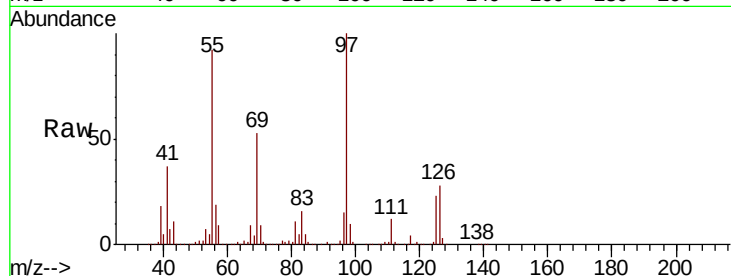




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.03 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

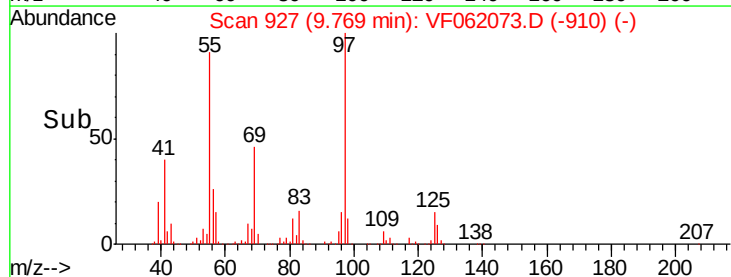
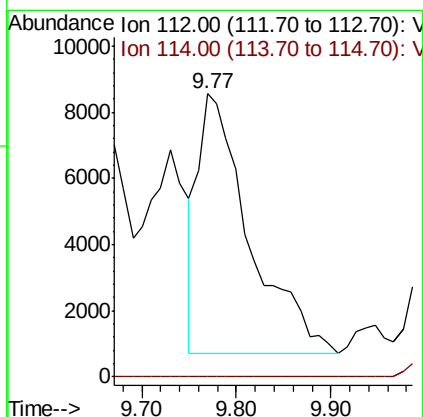
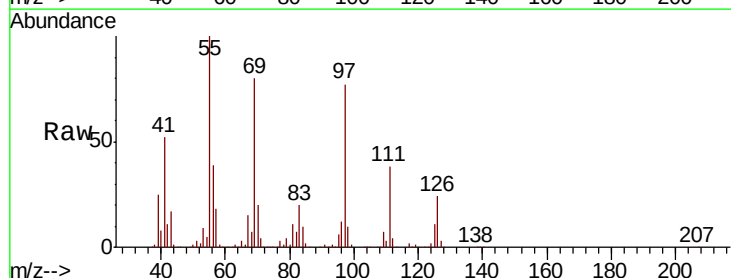
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

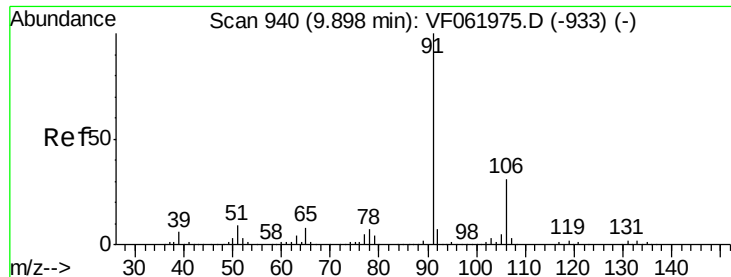
Tgt Ion:117 Resp: 56845
Ion Ratio Lower Upper
117 100
82 105.1 42.5 63.7#
119 28.3 25.4 38.0



#65
Chlorobenzene
Concen: 27.887 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion:112 Resp: 29514
Ion Ratio Lower Upper
112 100
114 0.0 26.9 40.3#





#67

Ethyl Benzene

Concen: 4.622 ug/l

RT: 10.01 min Scan# 951

Delta R.T. 0.11 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

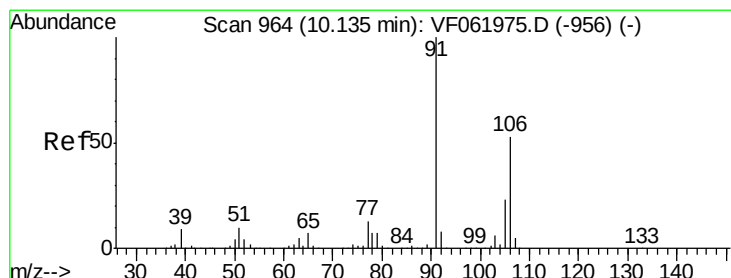
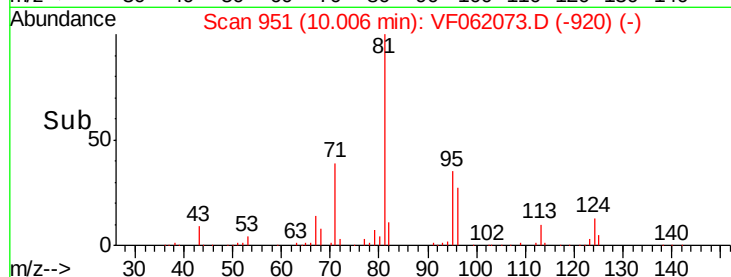
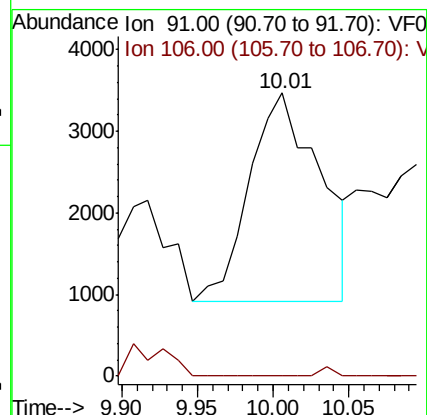
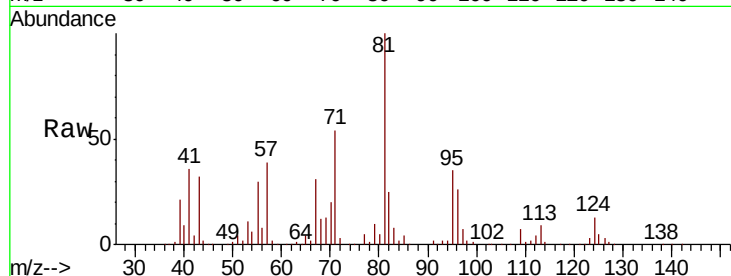
SB-22(7-8)RE

Tgt Ion: 91 Resp: 8375

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#



#68

m/p-Xylenes

Concen: 4.204 ug/l

RT: 10.15 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062073.D

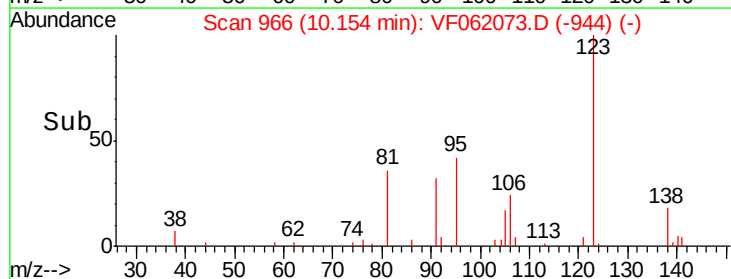
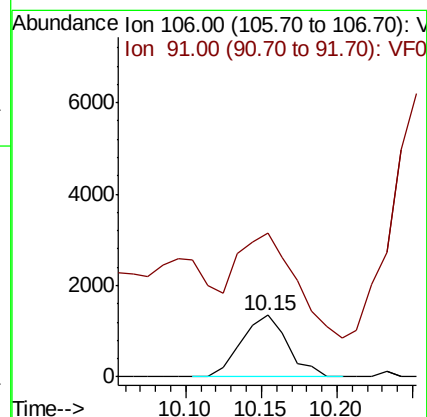
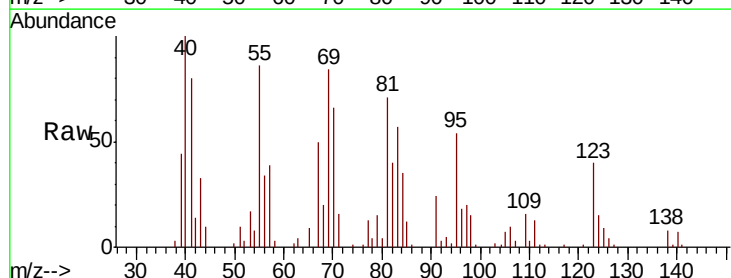
Acq: 21 Mar 2019 21:14

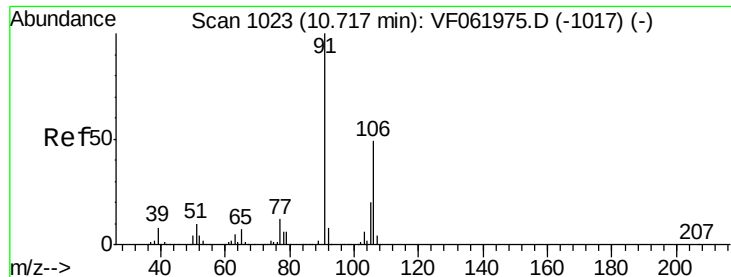
Tgt Ion: 106 Resp: 2865

Ion Ratio Lower Upper

106 100

91 233.0 151.9 227.9#

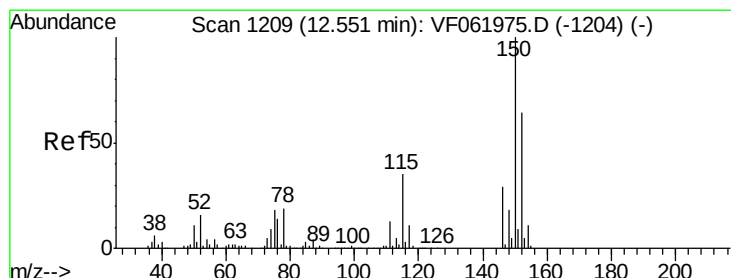
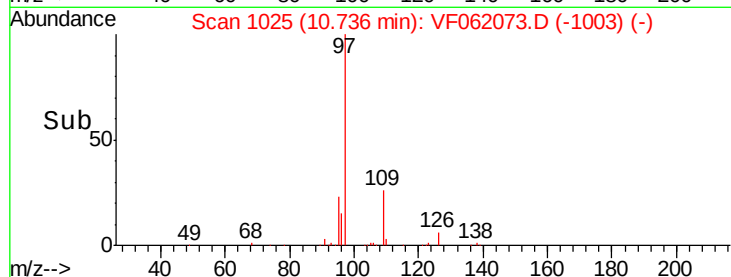
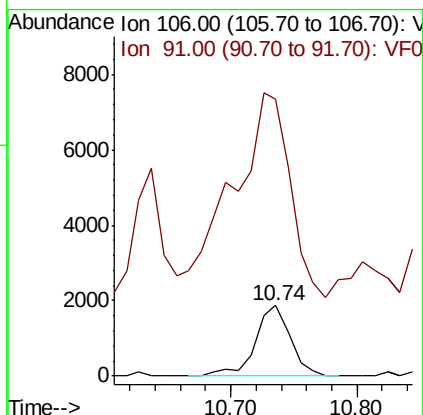
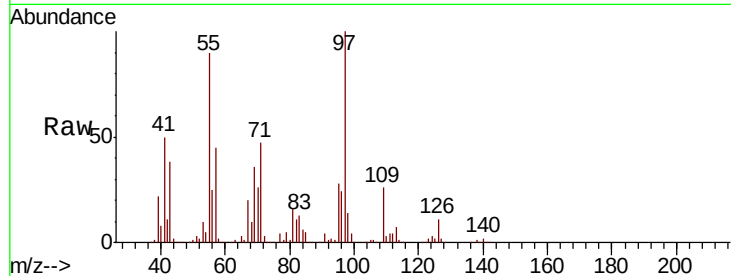




#69
o-Xylene
Concen: 4.964 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.02 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

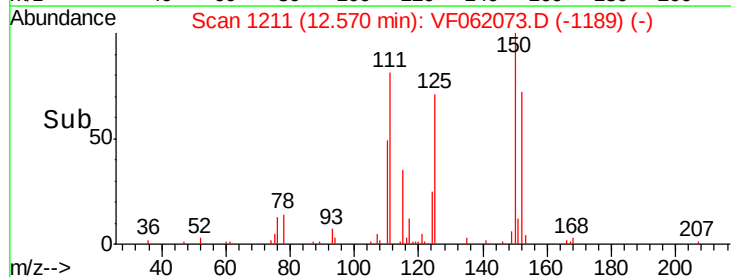
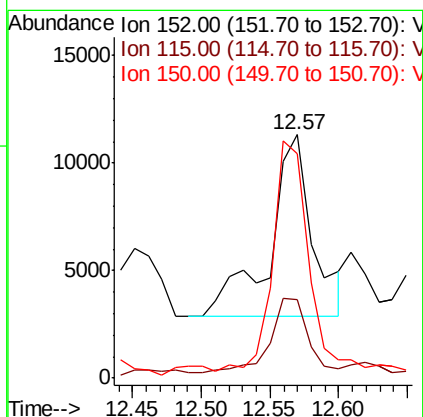
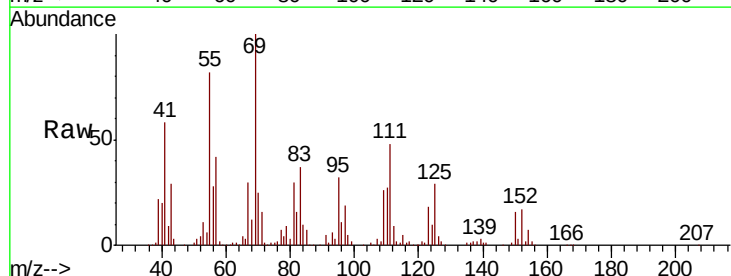
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

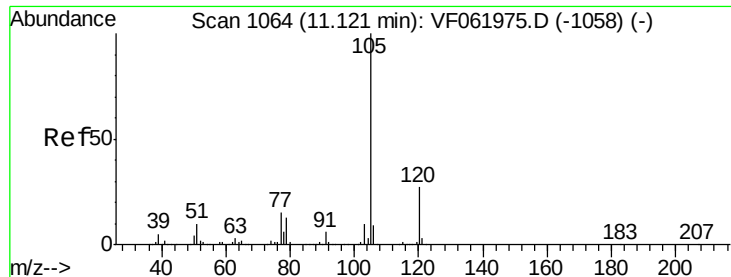
Tgt Ion:106 Resp: 3620
Ion Ratio Lower Upper
106 100
91 391.5 102.3 306.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.02 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion:152 Resp: 18428
Ion Ratio Lower Upper
152 100
115 32.1 27.3 81.9
150 92.4 0.0 316.2





#73

Isopropylbenzene

Concen: 3.601 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.02 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

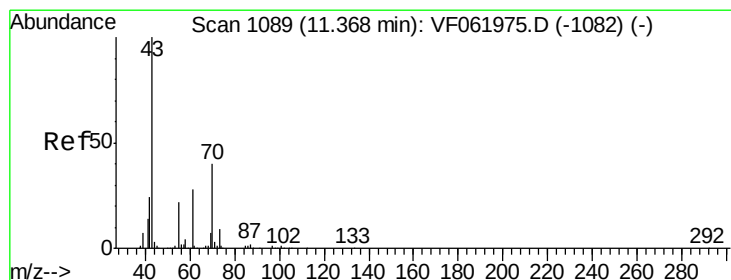
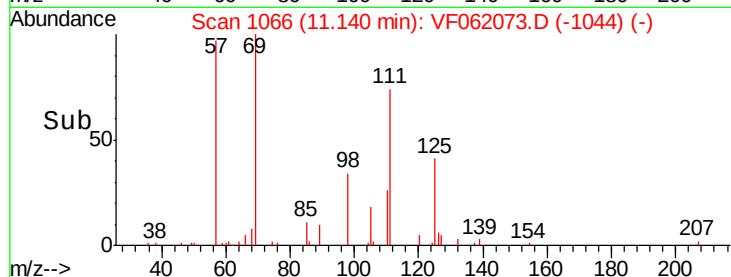
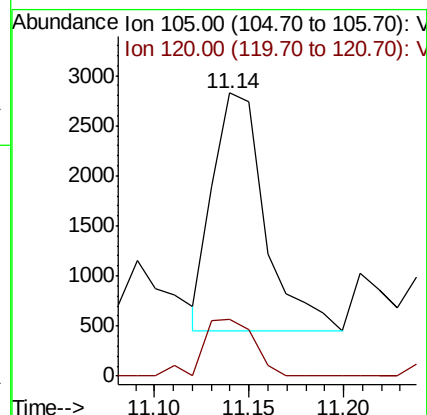
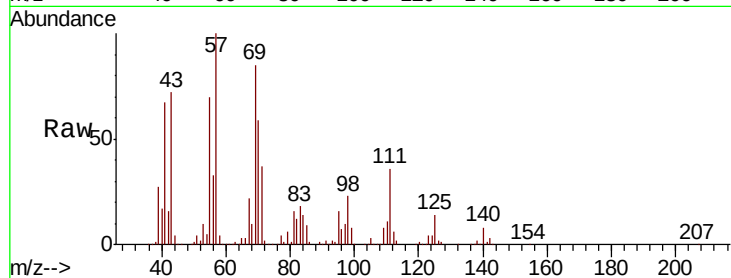
SB-22(7-8)RE

Tgt Ion:105 Resp: 4584

Ion Ratio Lower Upper

105 100

120 20.0 13.8 41.3



#74

N-amyl acetate

Concen: 657.812 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.05 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Tgt Ion: 43 Resp: 191895

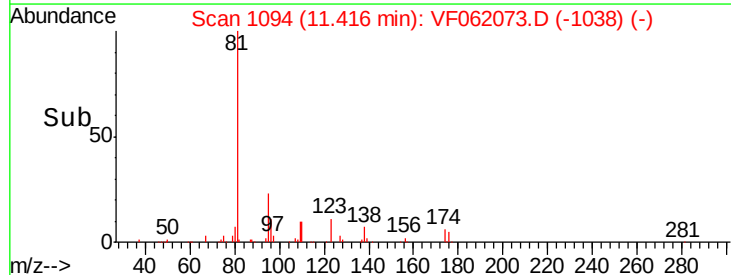
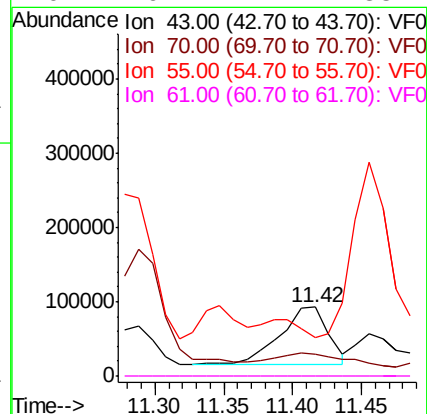
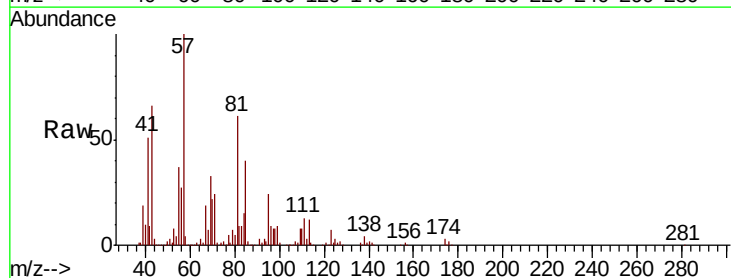
Ion Ratio Lower Upper

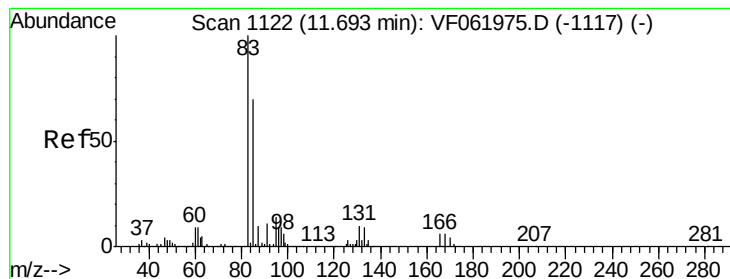
43 100

70 32.6 31.9 47.9

55 56.4 17.9 26.9#

61 0.4 22.2 33.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 762.468 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

SB-22(7-8)RE

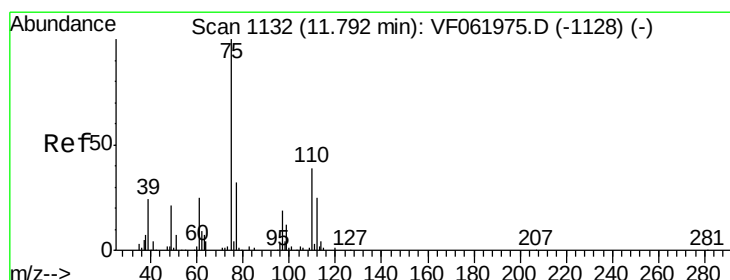
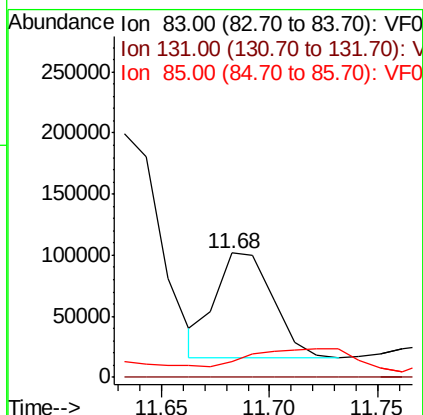
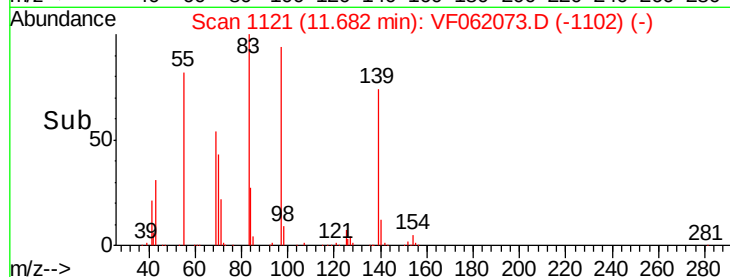
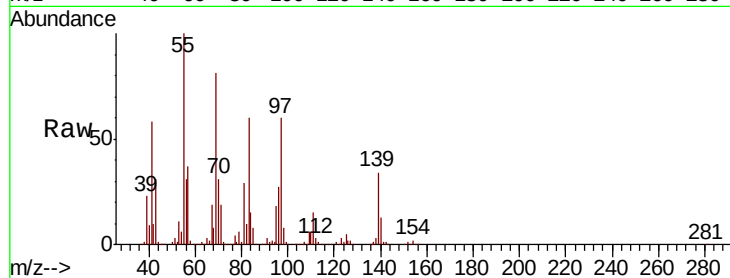
Tgt Ion: 83 Resp: 160227

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 12.6 35.3 105.9#



#76

1,2,3-Trichloropropane

Concen: 1.205 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.05 min

Lab File: VF062073.D

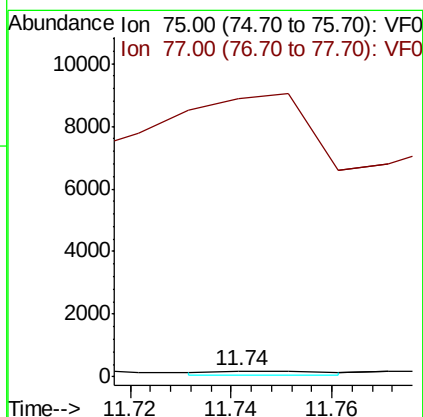
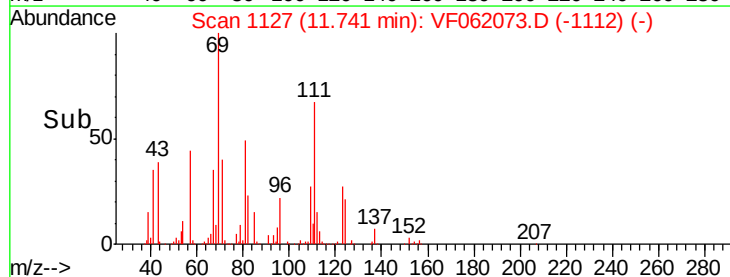
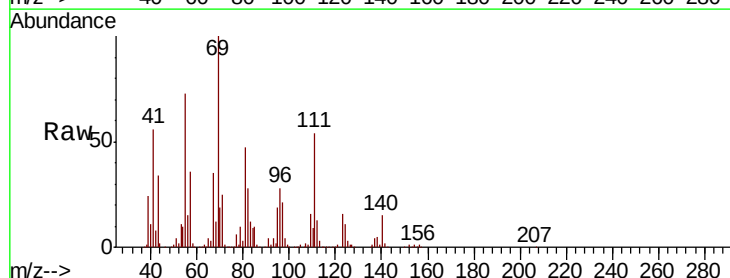
Acq: 21 Mar 2019 21:14

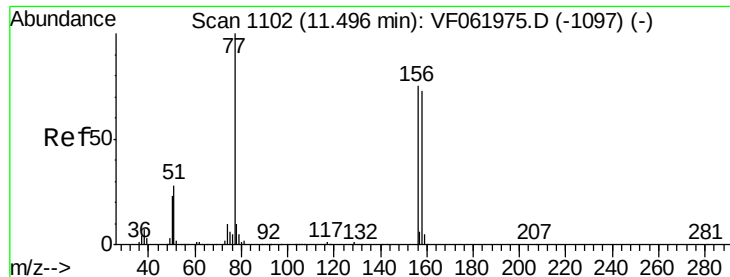
Tgt Ion: 75 Resp: 177

Ion Ratio Lower Upper

75 100

77 4701.1 16.4 49.2#





#77

Bromobenzene

Concen: 1.021 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

SB-22(7-8)RE

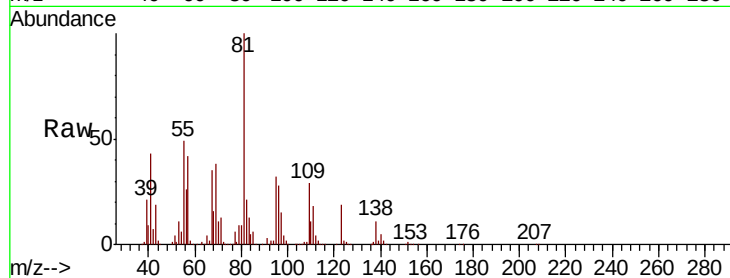
Tgt Ion: 156 Resp: 301

Ion Ratio Lower Upper

156 100

77 6471.3 67.0 201.0#

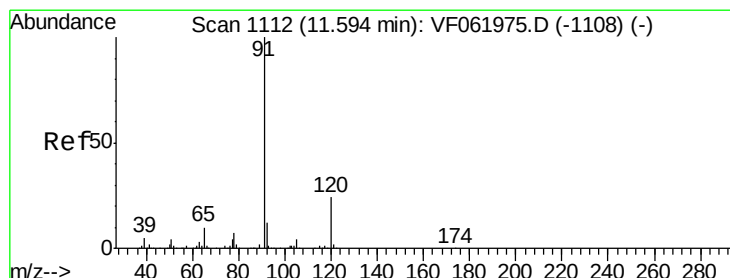
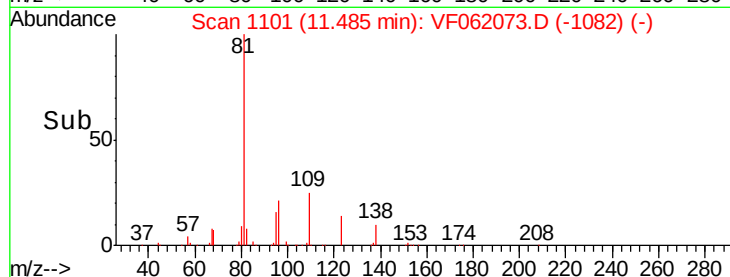
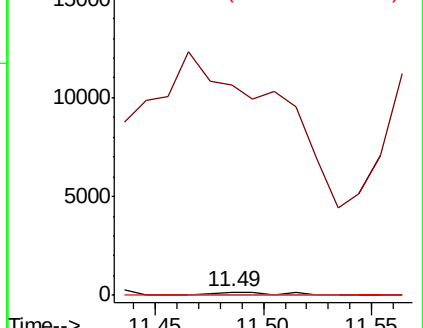
158 0.0 48.9 146.7#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 2.395 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062073.D

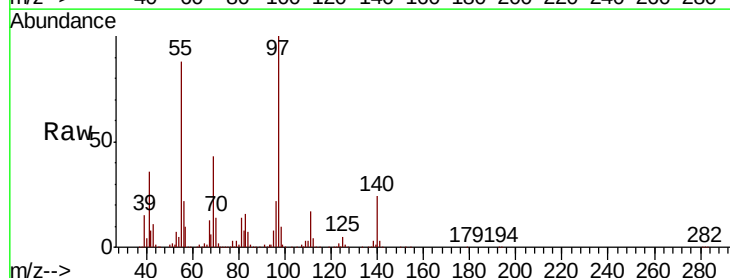
Acq: 21 Mar 2019 21:14

Tgt Ion: 91 Resp: 3506

Ion Ratio Lower Upper

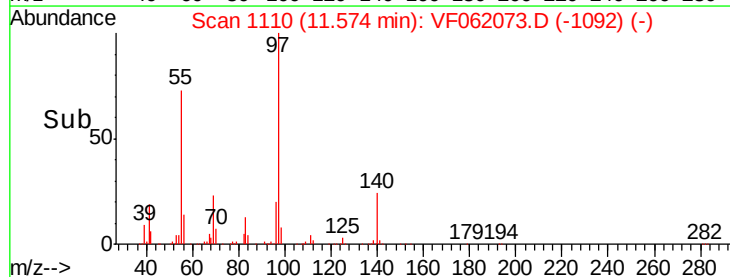
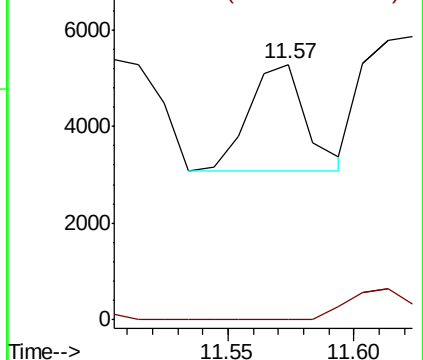
91 100

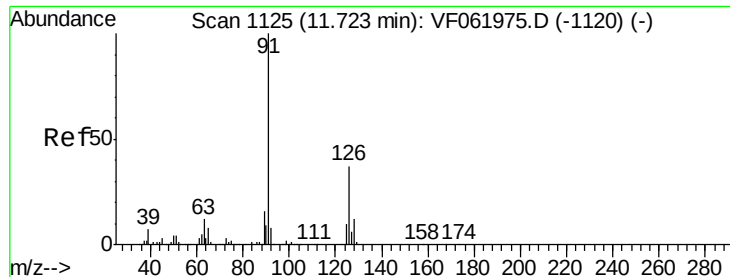
120 0.0 11.8 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

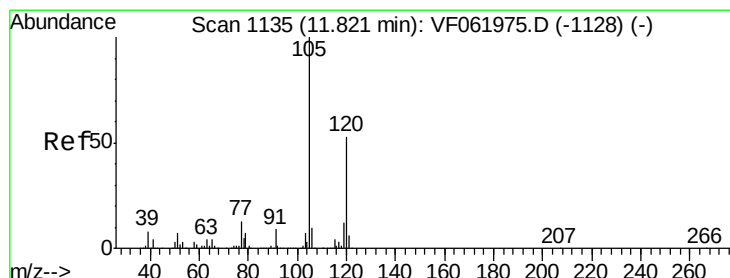
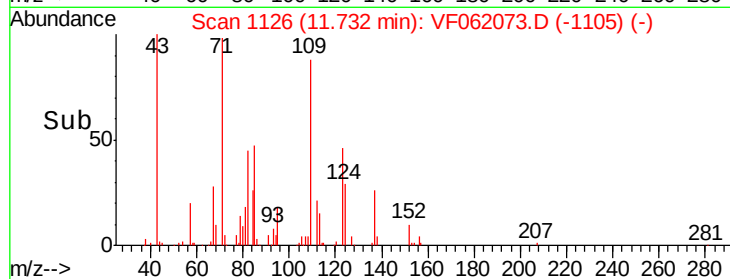
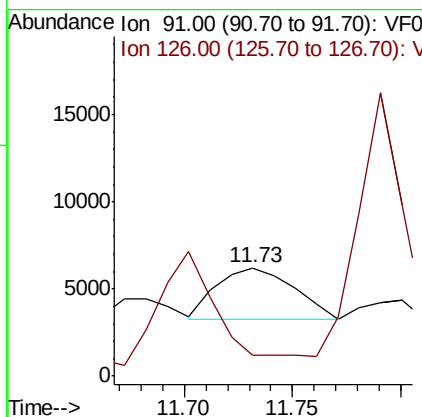
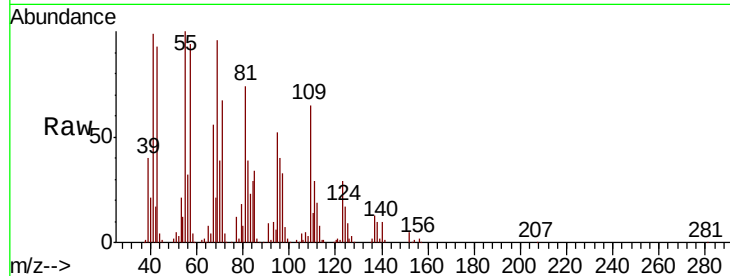




#79
 2-Chlorotoluene
 Concen: 8.860 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

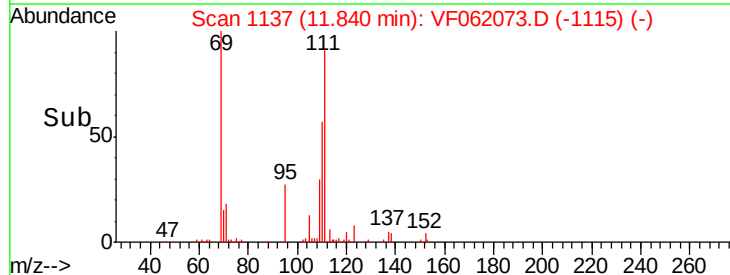
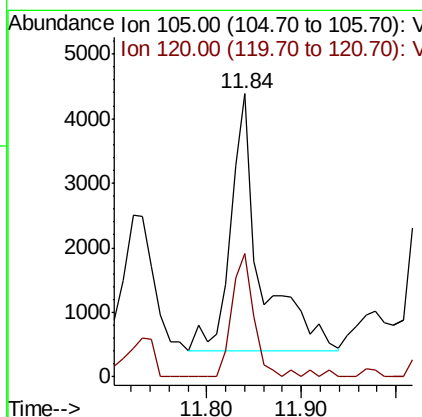
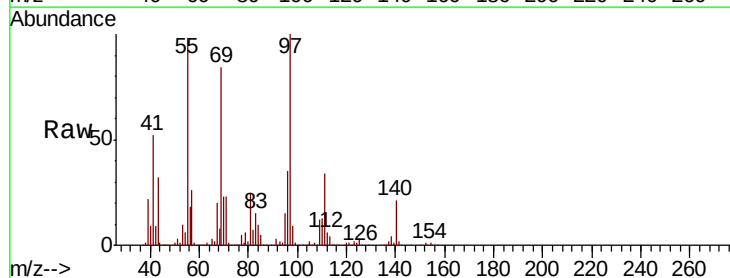
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

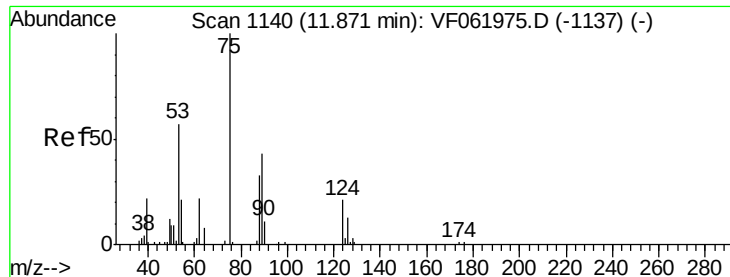
Tgt Ion: 91 Resp: 7321
 Ion Ratio Lower Upper
 91 100
 126 19.9 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 8.589 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion: 105 Resp: 8833
 Ion Ratio Lower Upper
 105 100
 120 43.6 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 30.982 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

SB-22(7-8)RE

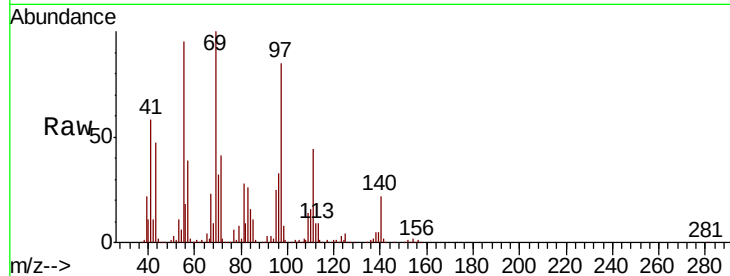
Tgt Ion: 75 Resp: 2014

Ion Ratio Lower Upper

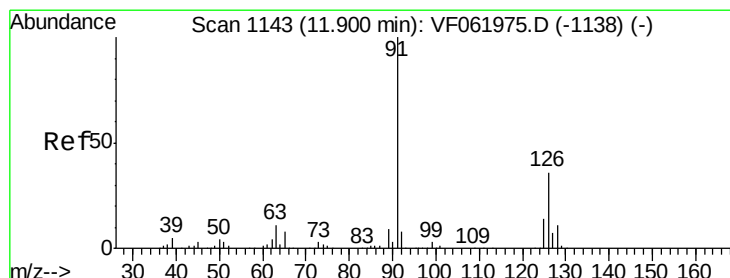
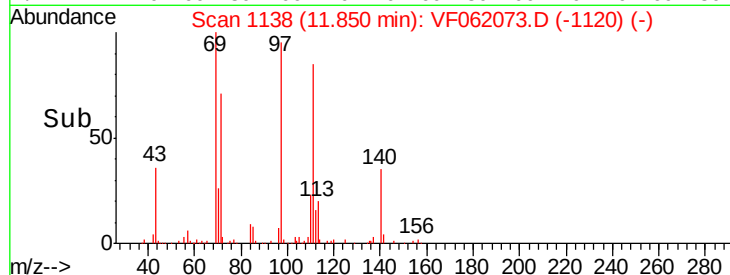
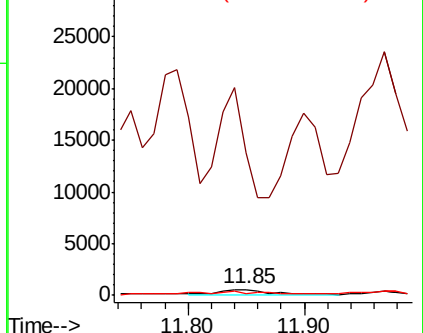
75 100

53 2362.7 49.0 73.6#

89 38.1 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 8.654 ug/l

RT: 12.03 min Scan# 1156

Delta R.T. 0.13 min

Lab File: VF062073.D

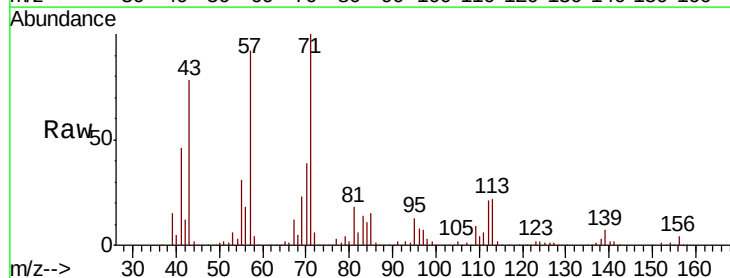
Acq: 21 Mar 2019 21:14

Tgt Ion: 91 Resp: 7231

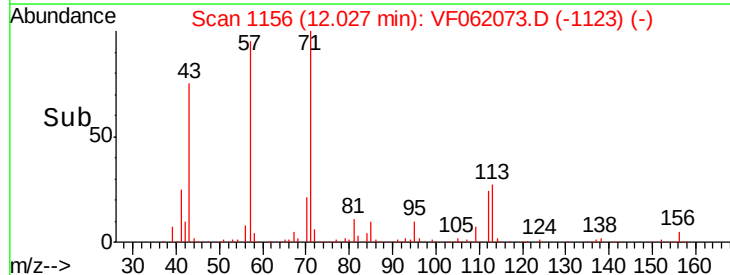
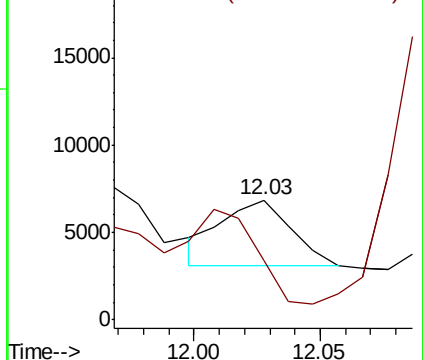
Ion Ratio Lower Upper

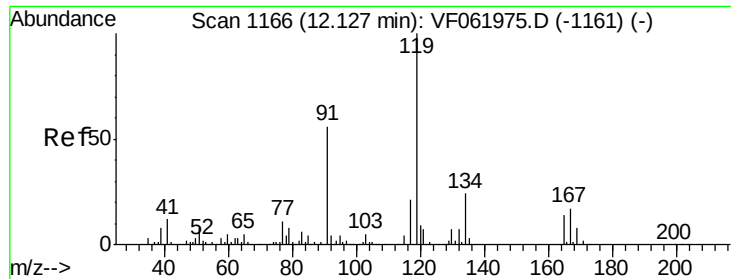
91 100

126 49.1 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

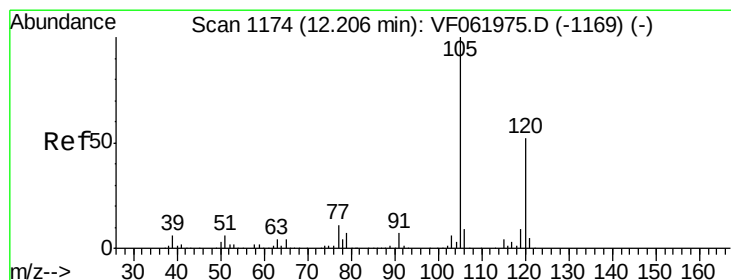
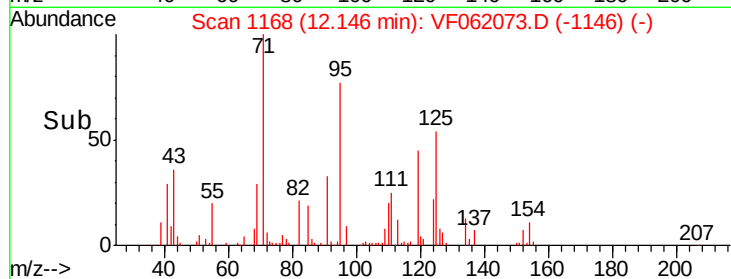
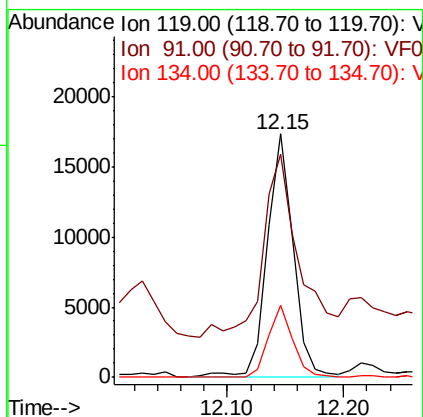
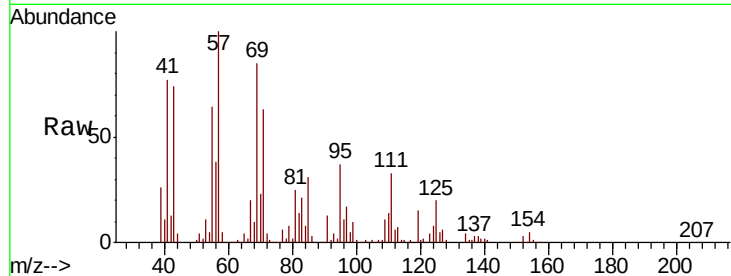




#83
 tert-Butylbenzene
 Concen: 25.128 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

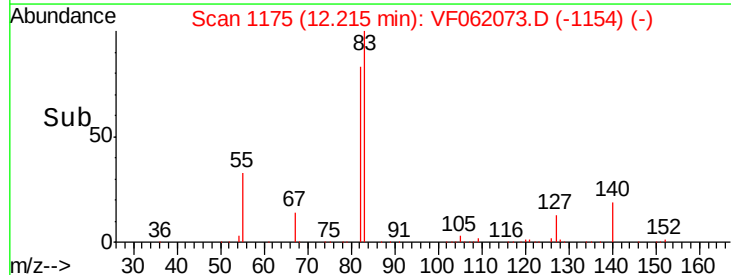
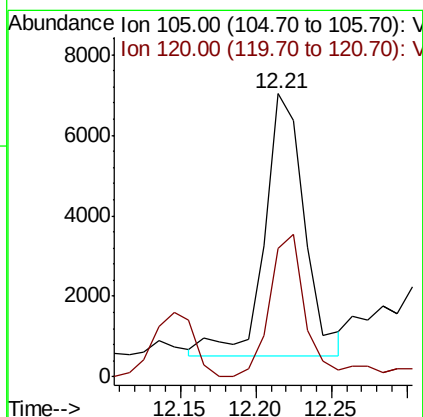
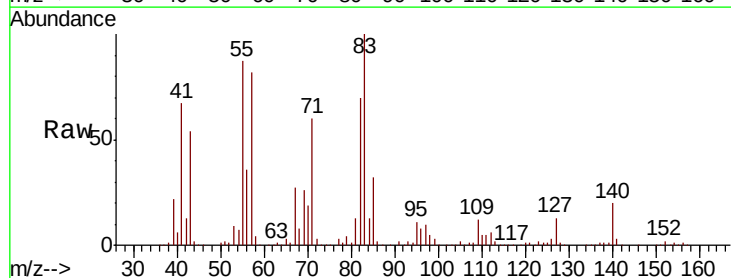
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

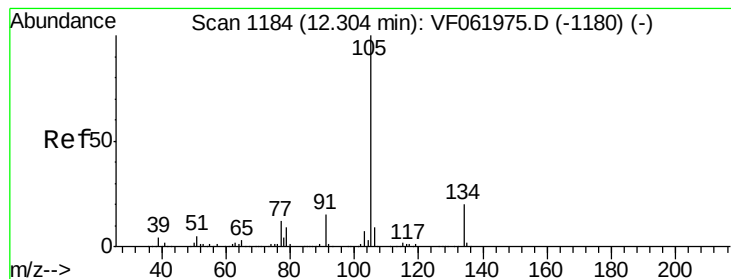
Tgt Ion:119 Resp: 27026
 Ion Ratio Lower Upper
 119 100
 91 91.8 27.9 83.6#
 134 29.4 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 11.718 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion:105 Resp: 12071
 Ion Ratio Lower Upper
 105 100
 120 45.2 25.9 77.8





#85

sec-Butylbenzene

Concen: 8.288 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. 0.02 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

Instrument :

MSVOA_F

ClientSampleId :

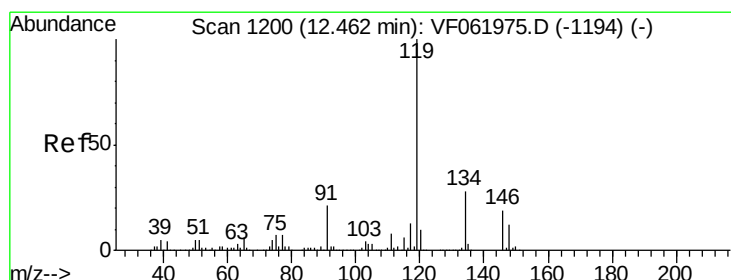
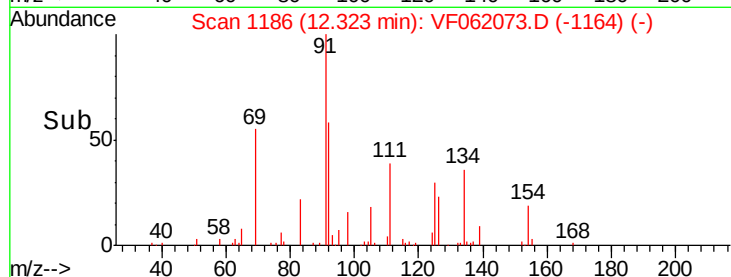
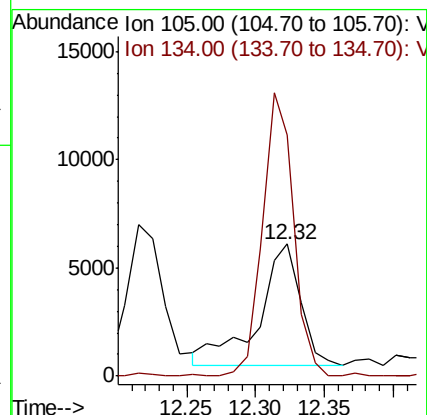
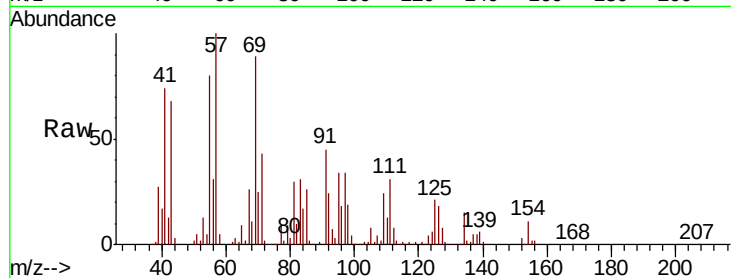
SB-22(7-8)RE

Tgt Ion:105 Resp: 12043

Ion Ratio Lower Upper

105 100

134 182.4 10.0 29.8#



#86

p-Isopropyltoluene

Concen: 3.813 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062073.D

Acq: 21 Mar 2019 21:14

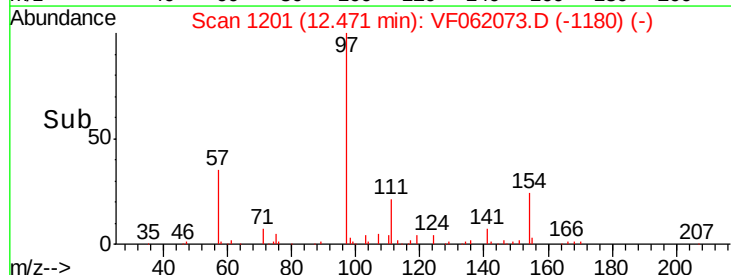
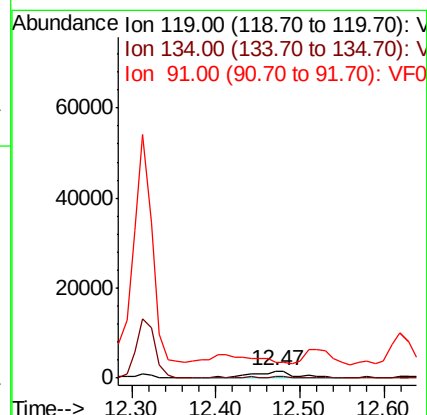
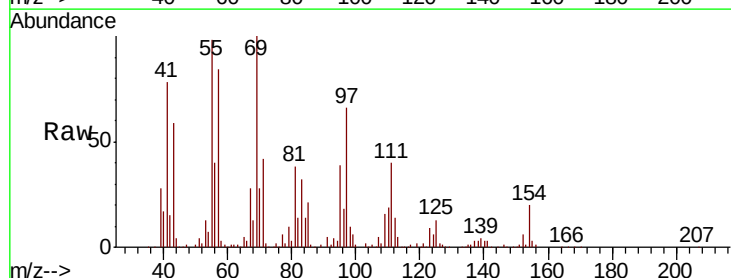
Tgt Ion:119 Resp: 4624

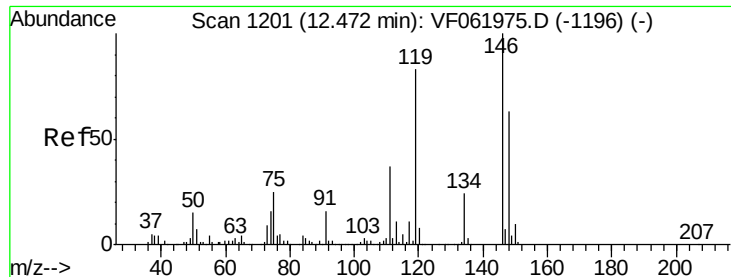
Ion Ratio Lower Upper

119 100

134 17.9 13.9 41.7

91 227.0 10.4 31.1#

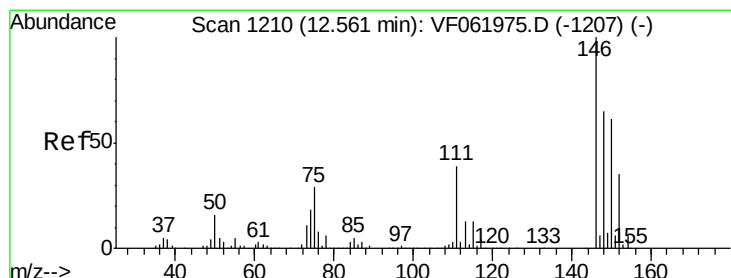
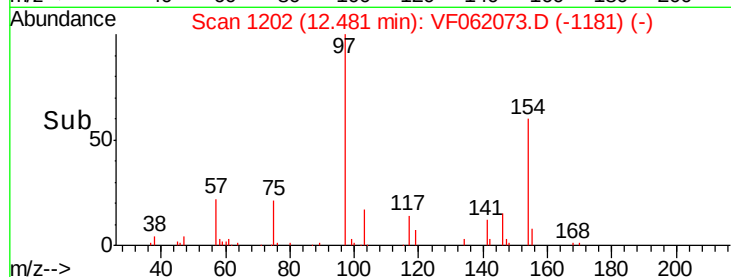
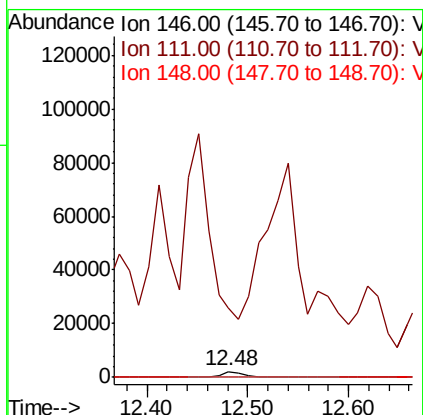
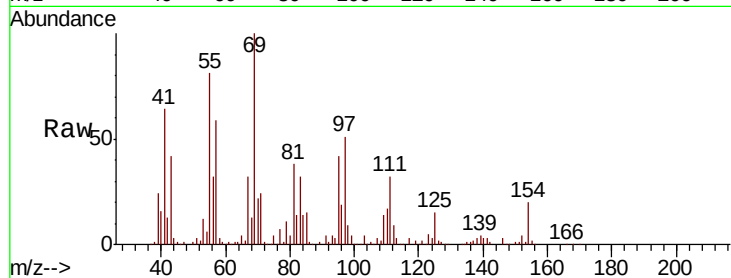




#87
 1,3-Dichlorobenzene
 Concen: 6.449 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

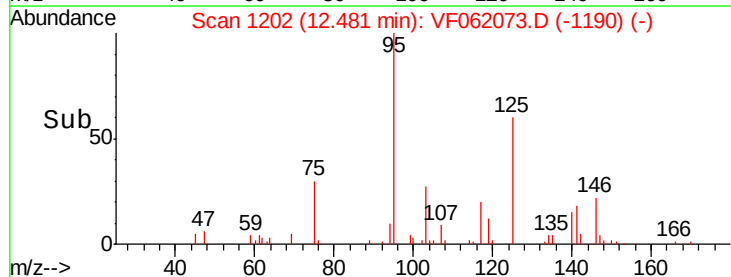
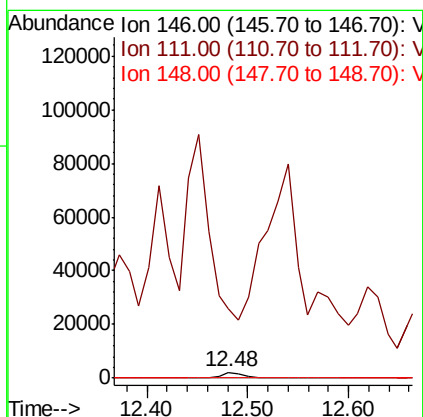
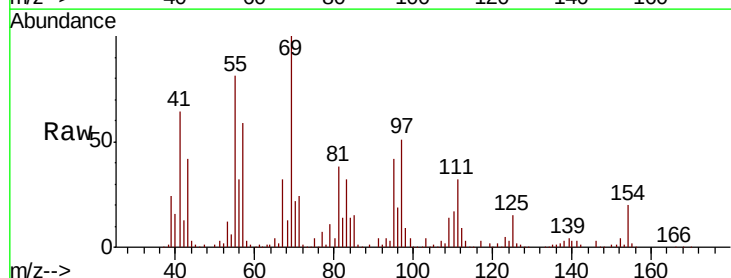
Instrument :
 MSVOA_F
 ClientSampled :
 SB-22(7-8)RE

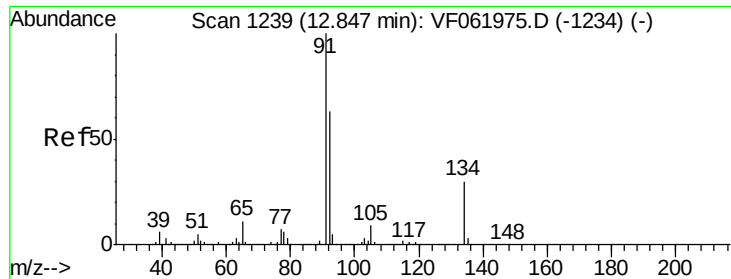
Tgt Ion:146 Resp: 3737
 Ion Ratio Lower Upper
 146 100
 111 1205.2 18.6 55.8#
 148 7.7 31.3 93.9#



#88
 1,4-Dichlorobenzene
 Concen: 6.700 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.08 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion:146 Resp: 3737
 Ion Ratio Lower Upper
 146 100
 111 1205.2 19.4 58.1#
 148 7.7 32.4 97.0#

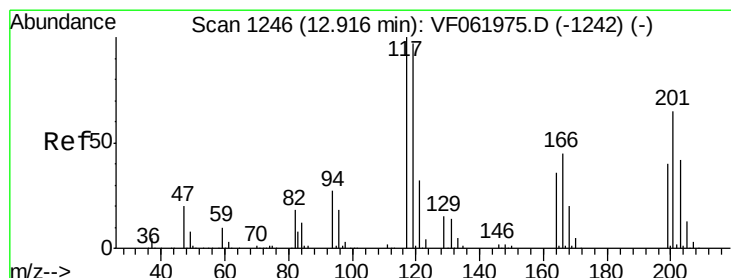
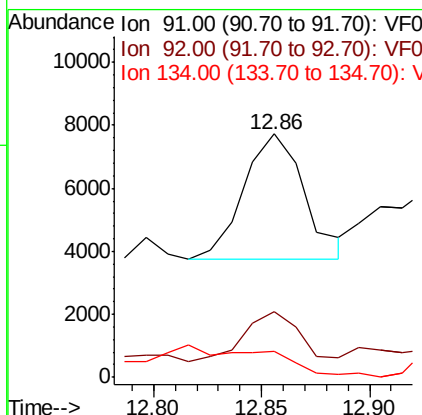
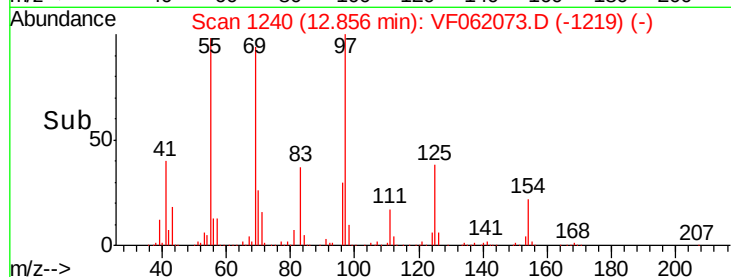
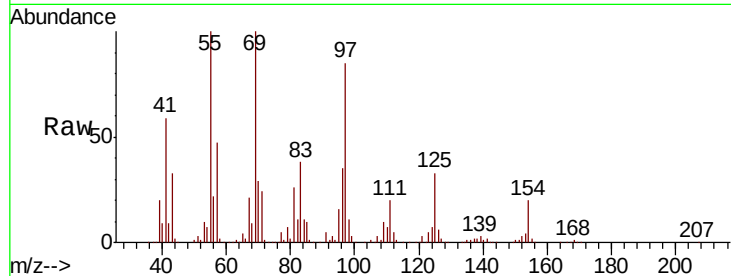




#89
n-Butylbenzene
Concen: 6.810 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

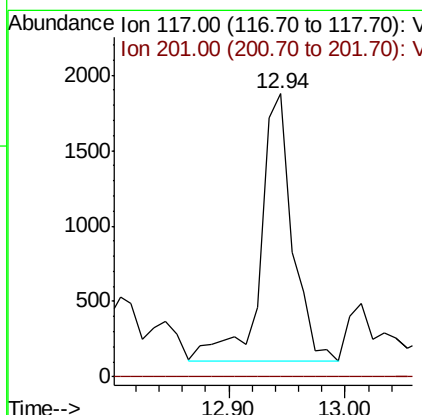
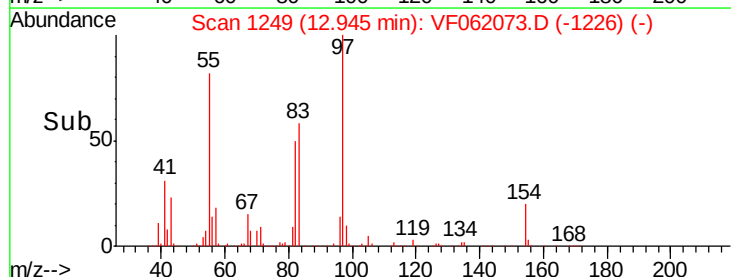
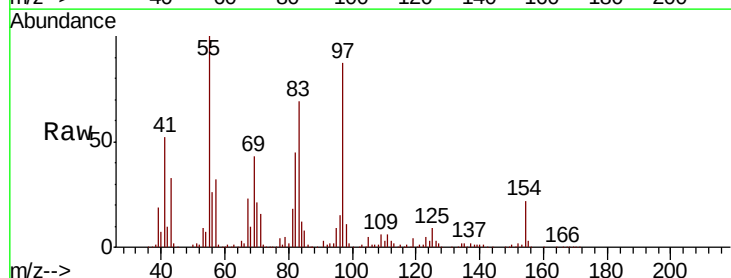
Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

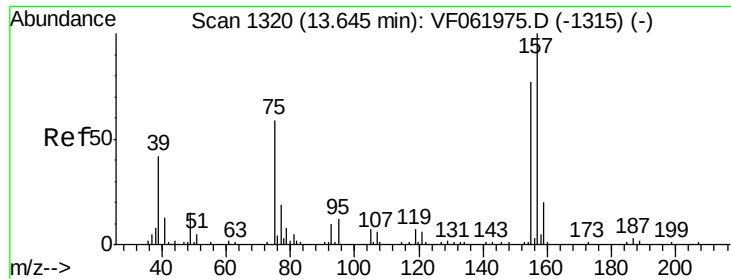
Tgt Ion: 91 Resp: 7759
Ion Ratio Lower Upper
91 100
92 26.9 31.7 95.1#
134 10.8 15.1 45.3#



#90
Hexachloroethane
Concen: 12.081 ug/l
RT: 12.94 min Scan# 1249
Delta R.T. 0.03 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion: 117 Resp: 3343
Ion Ratio Lower Upper
117 100
201 0.0 32.5 97.5#

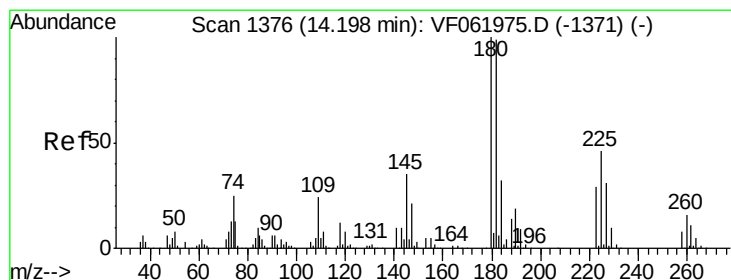
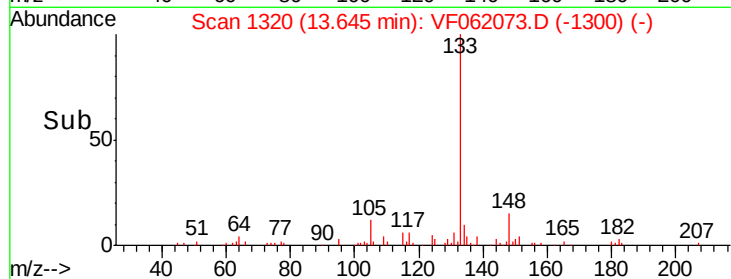
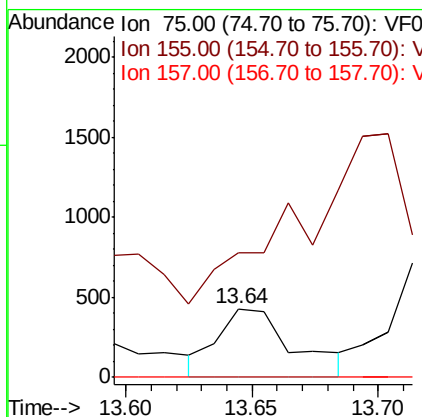
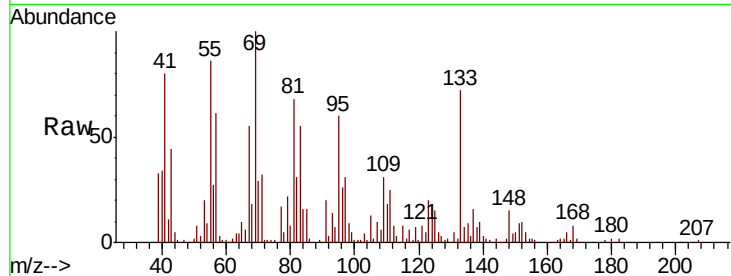




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.837 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

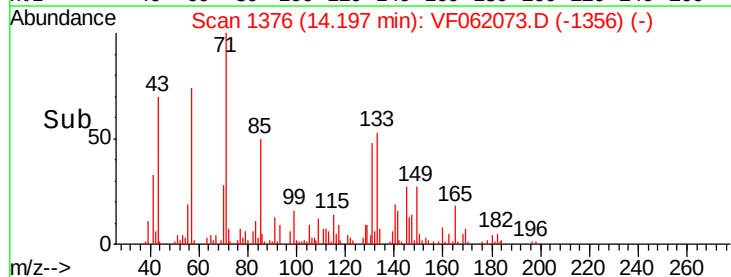
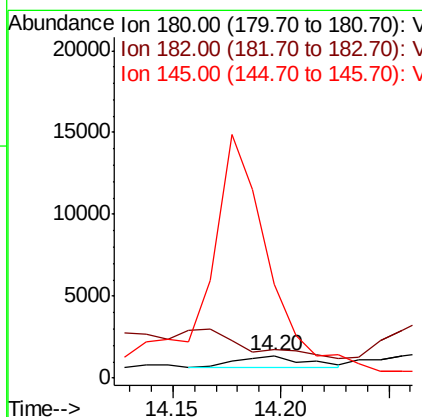
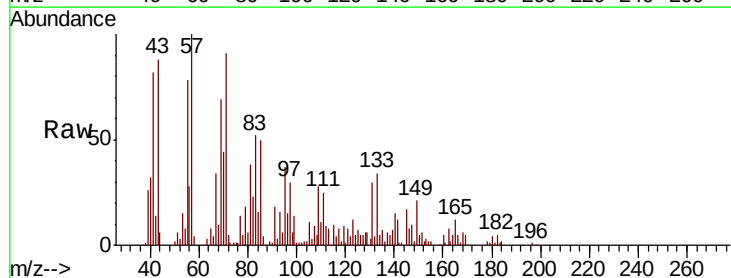
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(7-8)RE

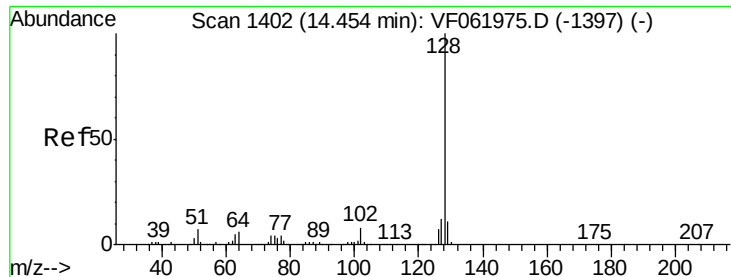
Tgt Ion: 75 Resp: 905
 Ion Ratio Lower Upper
 75 100
 155 181.8 65.0 195.1
 157 0.0 84.7 254.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.992 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062073.D
 Acq: 21 Mar 2019 21:14

Tgt Ion: 180 Resp: 1492
 Ion Ratio Lower Upper
 180 100
 182 129.1 49.6 149.0
 145 417.2 17.5 52.5#

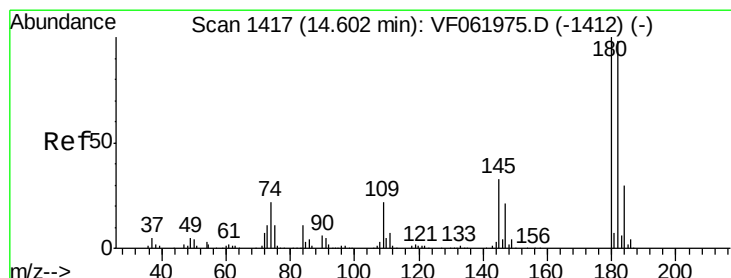
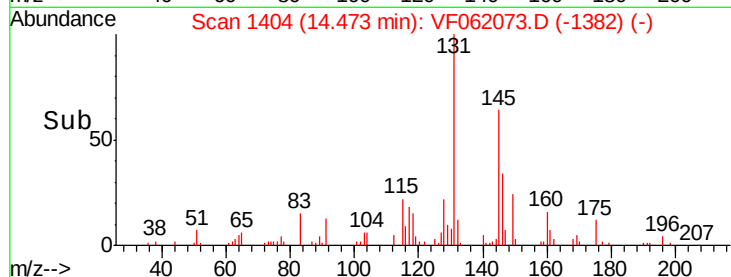
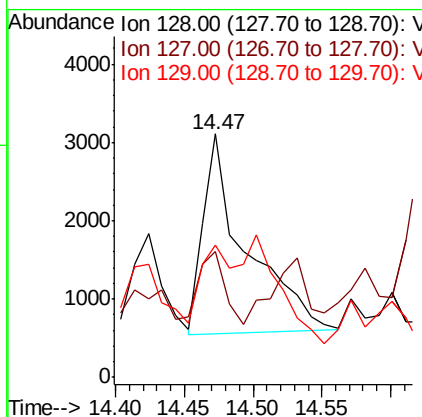
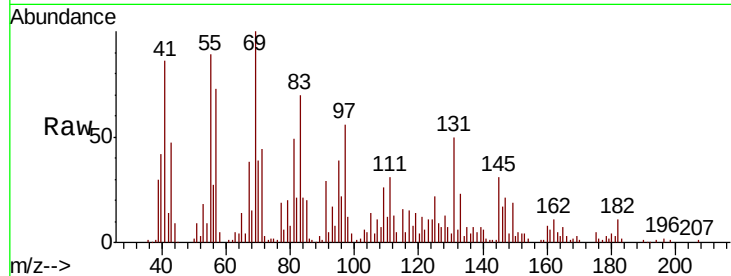




#95
Naphthalene
Concen: 8.278 ug/l
RT: 14.47 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Instrument :
MSVOA_F
ClientSampleId :
SB-22(7-8)RE

Tgt Ion:128 Resp: 5564
Ion Ratio Lower Upper
128 100
127 51.7 9.3 13.9#
129 54.5 9.1 13.7#



#96
1,2,3-Trichlorobenzene
Concen: 13.777 ug/l
RT: 14.55 min Scan# 1412
Delta R.T. -0.05 min
Lab File: VF062073.D
Acq: 21 Mar 2019 21:14

Tgt Ion:180 Resp: 4737
Ion Ratio Lower Upper
180 100
182 75.6 48.9 146.8
145 45.3 16.7 50.1

