

Data File : VF060717.D
Acq On : 13 Nov 2018 19:36
Operator : VA/AP
Sample : VF1113SBS02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

Quant Time: Nov 14 03:23:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	216981	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	376739	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	345572	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	192511	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	112407	45.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.84%	
35) Dibromofluoromethane	4.12	113	135926	48.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	7.56	98	345317	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.42	95	169144	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	86649	22.314	ug/l	96
3) Chloromethane	1.10	50	51052	21.199	ug/l	98
4) Vinyl Chloride	1.15	62	47429	22.016	ug/l	93
5) Bromomethane	1.33	94	28140	20.563	ug/l	95
6) Chloroethane	1.38	64	17242	20.456	ug/l	94
7) Trichlorofluoromethane	1.49	101	76205	15.996	ug/l	99
8) Diethyl Ether	1.63	74	12170	19.938	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.82	101	48320	21.523	ug/l	95
10) Methyl Iodide	1.89	142	55849	15.505	ug/l	99
11) Tert butyl alcohol	2.58	59	11469	101.824	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	37319	21.082	ug/l	98
13) Acrolein	2.01	56	10216	99.196	ug/l	99
14) Allyl chloride	2.10	41	64130	20.679	ug/l	95
15) Acrylonitrile	2.94	53	26655	111.057	ug/l	93
16) Acetone	2.24	43	48771	92.195	ug/l	100
17) Carbon Disulfide	1.83	76	85453	15.972	ug/l	96
18) Methyl Acetate	2.43	43	28630	32.960	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	84053	19.792	ug/l	95
20) Methylene Chloride	2.19	84	20075	9.077	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	39766	21.501	ug/l	93
22) Diisopropyl ether	2.81	45	125425	20.949	ug/l	97
23) Vinyl Acetate	3.19	43	288433	102.303	ug/l	96
24) 1,1-Dichloroethane	2.88	63	81387	22.453	ug/l	99
25) 2-Butanone	4.34	43	91331	104.965	ug/l #	91
26) 2,2-Dichloropropane	3.61	77	61351	21.508	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	66336	21.084	ug/l	98
28) Bromochloromethane	3.72	49	41008	21.769	ug/l	94
29) Tetrahydrofuran	4.08	42	36731	102.341	ug/l	93
30) Chloroform	3.86	83	118827	20.432	ug/l	97
31) Cyclohexane	3.69	56	96646	21.968	ug/l	93
32) 1,1,1-Trichloroethane	4.10	97	99634	21.755	ug/l	97
36) 1,1-Dichloropropene	4.29	75	93270	21.347	ug/l	98
37) Ethyl Acetate	4.11	43	33309	20.505	ug/l	99
38) Carbon Tetrachloride	4.00	117	89555	21.124	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	103734	20.464	ug/l	97
40) Benzene	4.64	78	204896	21.037	ug/l	99
41) Methacrylonitrile	4.75	41	20001	20.543	ug/l	95
42) 1,2-Dichloroethane	4.95	62	65277	19.394	ug/l	97
43) Isopropyl Acetate	6.97	43	43491	20.193	ug/l #	92
44) Trichloroethene	5.51	130	63918	20.800	ug/l	95
45) 1,2-Dichloropropane	6.24	63	50657	19.987	ug/l	98
46) Dibromomethane	6.09	93	31437	18.791	ug/l	93
47) Bromodichloromethane	6.40	83	86059	20.144	ug/l	99
48) Methyl methacrylate	6.72	41	27649	19.397	ug/l	96
49) 1,4-Dioxane	6.72	88	5899	442.508	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	161192	103.481	ug/l	97
52) Toluene	7.63	92	126393	19.365	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	66846	19.535	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	88109	19.823	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	37334	20.020	ug/l	97
56) Ethyl methacrylate	8.63	69	43339	20.463	ug/l	97
57) 1,3-Dichloropropane	8.85	76	62324	19.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.63	63	19882	102.767	ug/l	100
59) 2-Hexanone	9.49	43	115474	105.484	ug/l	97
60) Dibromochloromethane	8.73	129	50549	19.020	ug/l	98
61) 1,2-Dibromoethane	8.99	107	37267	19.002	ug/l	95
64) Tetrachloroethene	8.16	164	53897	19.695	ug/l	98
65) Chlorobenzene	9.80	112	140962	20.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	58626	19.275	ug/l	98
67) Ethyl Benzene	9.91	91	264017	20.086	ug/l	93
68) m/p-Xylenes	10.14	106	220243	46.886	ug/l	97
69) o-Xylene	10.72	106	107707	20.394	ug/l	99
70) Styrene	10.80	104	147024	20.513	ug/l	99
71) Bromoform	10.78	173	26583	19.436	ug/l #	86
73) Isopropylbenzene	11.13	105	326310	21.058	ug/l	98
74) N-amyl acetate	11.38	43	76529	21.694	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	53738	20.976	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	35821	18.826	ug/l	93
77) Bromobenzene	11.50	156	65517	20.312	ug/l	94
78) n-propylbenzene	11.60	91	370327	20.491	ug/l	95
79) 2-Chlorotoluene	11.72	91	215824	20.547	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	271340	22.056	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	24726	26.452	ug/l	90
82) 4-Chlorotoluene	11.90	91	218681	20.322	ug/l	97
83) tert-Butylbenzene	12.14	119	269137	20.604	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	257253	20.219	ug/l	96
85) sec-Butylbenzene	12.31	105	367455	20.738	ug/l	97
86) p-Isopropyltoluene	12.46	119	315235	21.301	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	132816	20.691	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	125030	20.267	ug/l	93
89) n-Butylbenzene	12.85	91	317142	20.999	ug/l	96
90) Hexachloroethane	12.92	117	77489	21.408	ug/l	87
91) 1,2-Dichlorobenzene	12.95	146	128212	21.214	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9075	18.847	ug/l	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111318\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	90021	20.723	ug/l	93
94) Hexachlorobutadiene	14.19	225	58692	20.676	ug/l	94
95) Naphthalene	14.46	128	164754	20.785	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	80713	20.107	ug/l	96

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

Data File : VF060717.D

Acq On : 13 Nov 2018 19:36

Operator : VA/AP

Sample : VF1113SBS02

Misc : 5.00g/5mL/MSV0A-F/SOIL

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ALS Vial      : 16      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

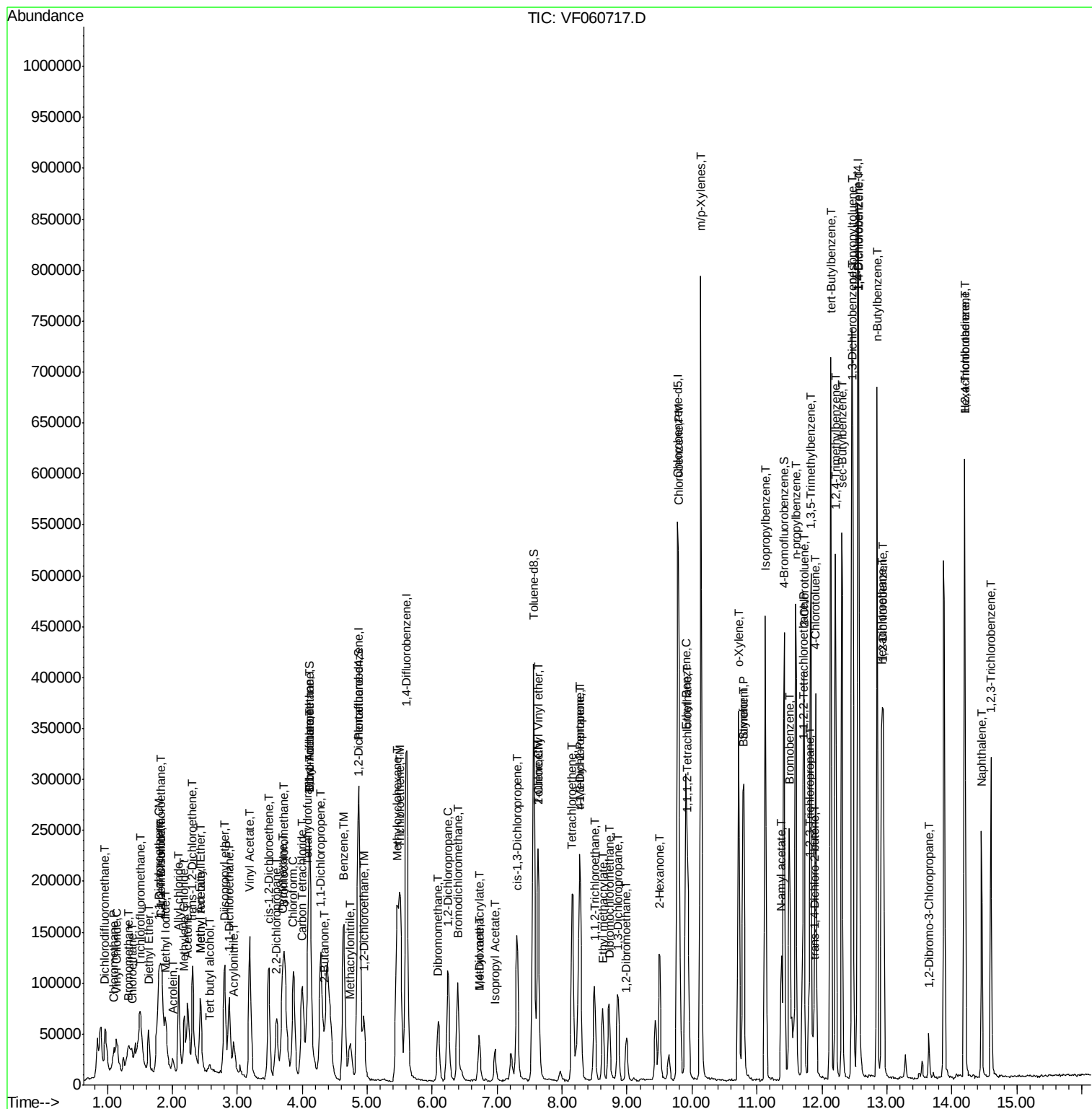
Quant Time: Nov 14 03:23:12 2018

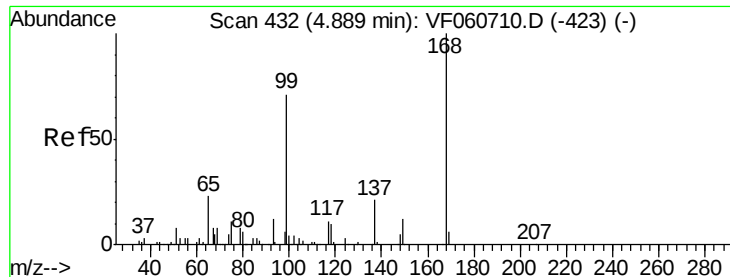
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F111318S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 14 03:11:14 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

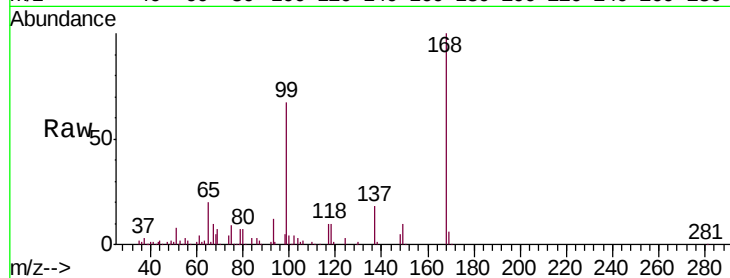
VF1113SBS02

Tgt Ion:168 Resp: 216981

Ion Ratio Lower Upper

168 100

99 66.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

60000

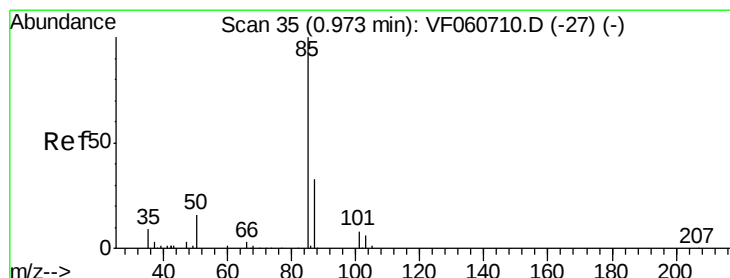
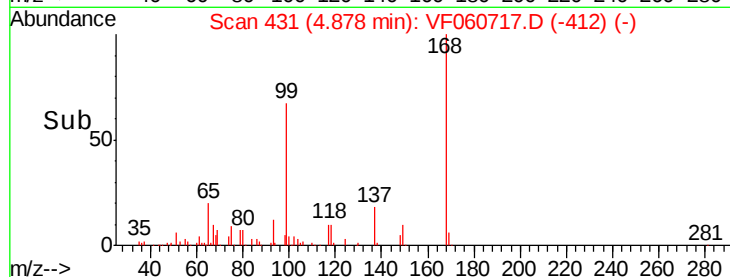
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.314 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060717.D

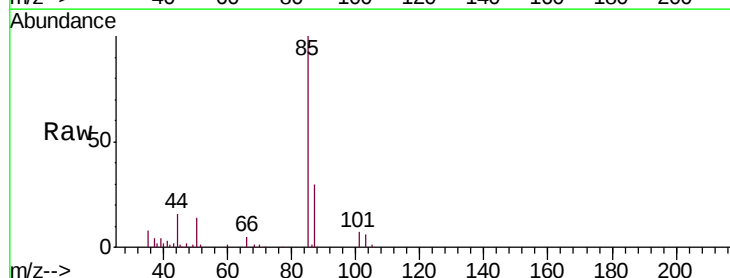
Acq: 13 Nov 2018 19:36

Tgt Ion: 85 Resp: 86649

Ion Ratio Lower Upper

85 100

87 30.2 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

25000

20000

15000

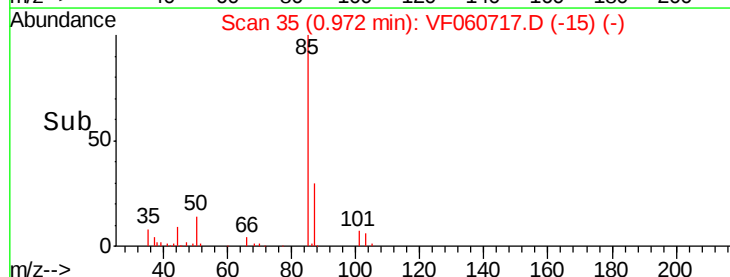
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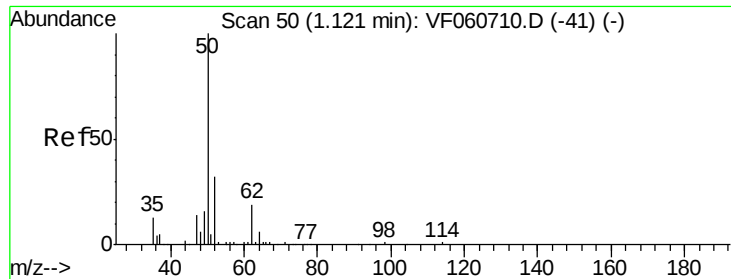
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 21.199 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

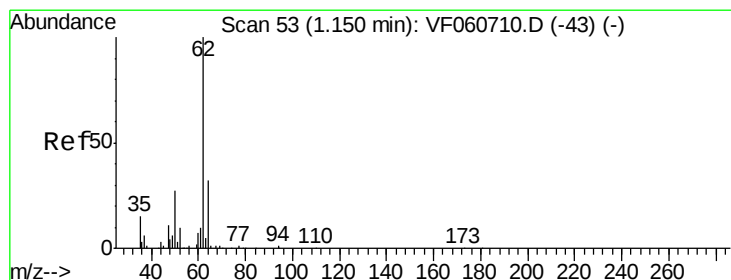
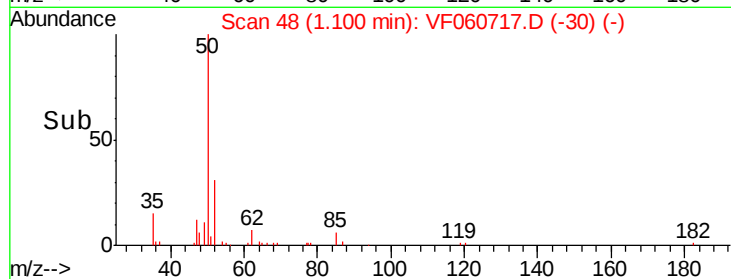
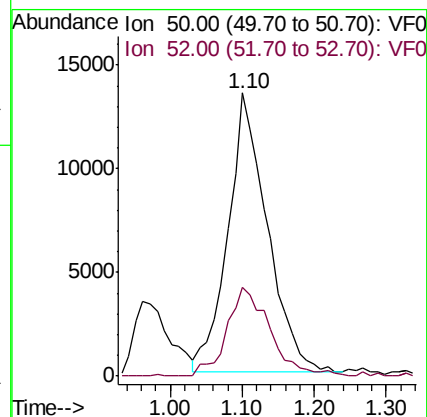
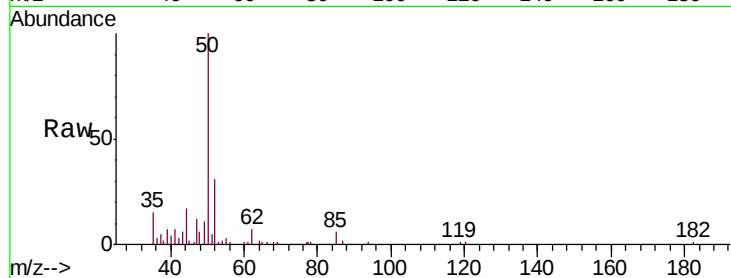
VF1113SBS02

Tgt Ion: 50 Resp: 51052

Ion Ratio Lower Upper

50 100

52 31.4 24.2 36.2



#4

Vinyl Chloride

Concen: 22.016 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060717.D

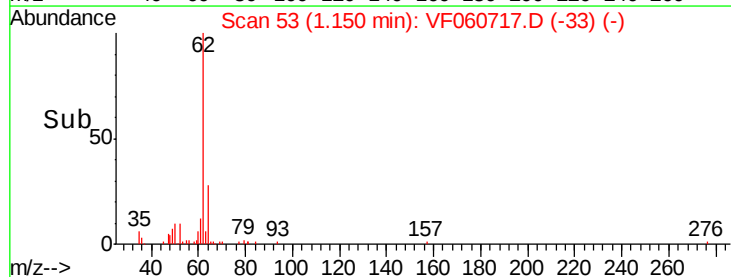
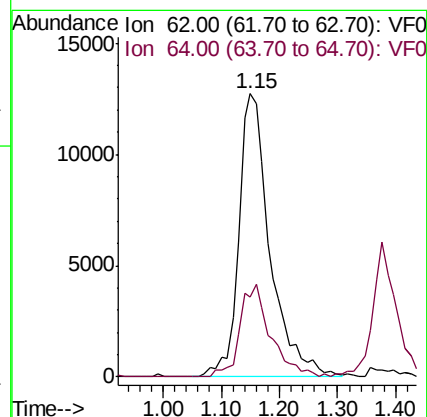
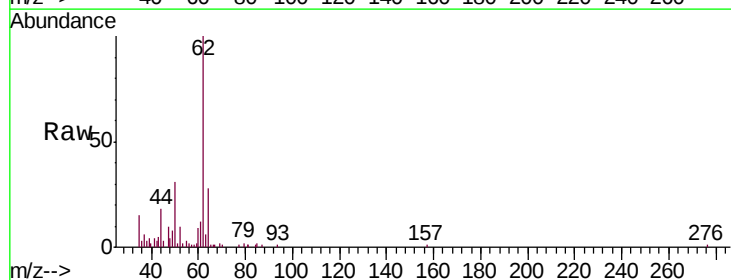
Acq: 13 Nov 2018 19:36

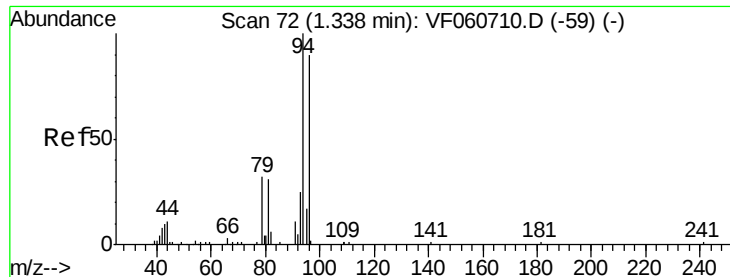
Tgt Ion: 62 Resp: 47429

Ion Ratio Lower Upper

62 100

64 28.2 25.8 38.8





#5

Bromomethane

Concen: 20.563 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

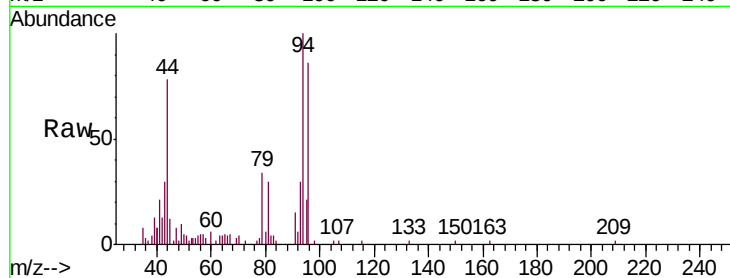
VF1113SBS02

Tgt Ion: 94 Resp: 28140

Ion Ratio Lower Upper

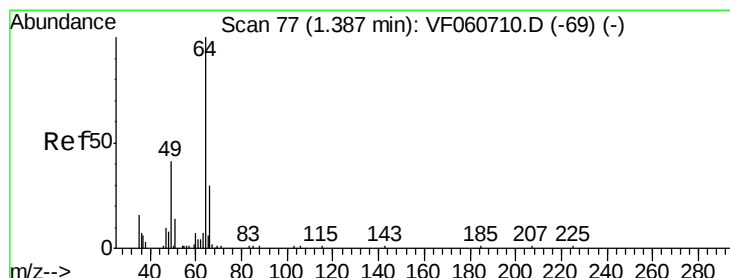
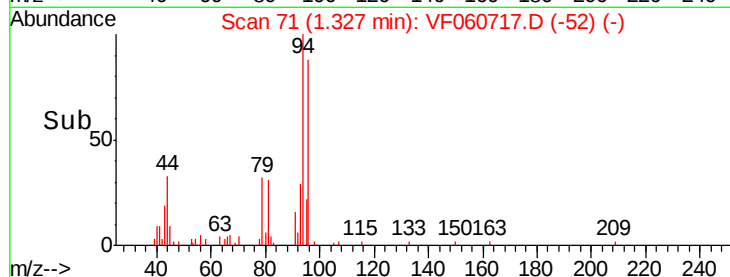
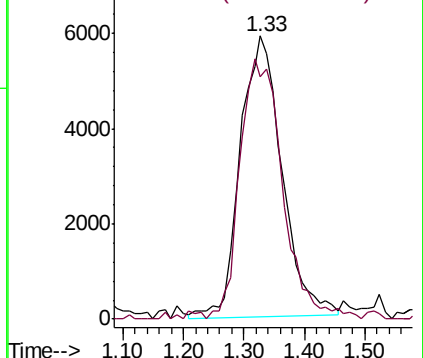
94 100

96 85.6 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.456 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060717.D

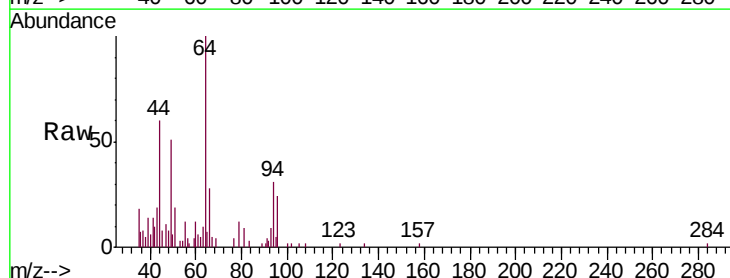
Acq: 13 Nov 2018 19:36

Tgt Ion: 64 Resp: 17242

Ion Ratio Lower Upper

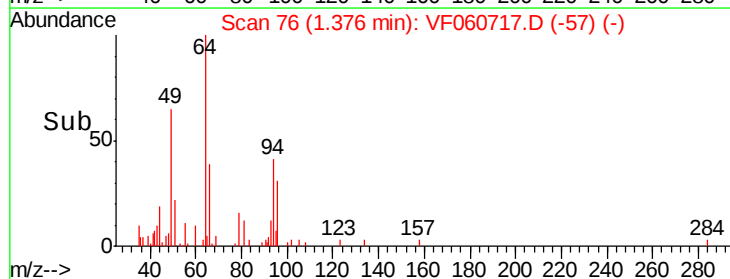
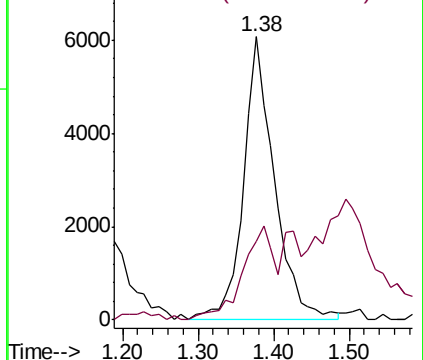
64 100

66 27.9 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 15.996 ug/l

RT: 1.49 min Scan# 88

Delta R.T. -0.01 min

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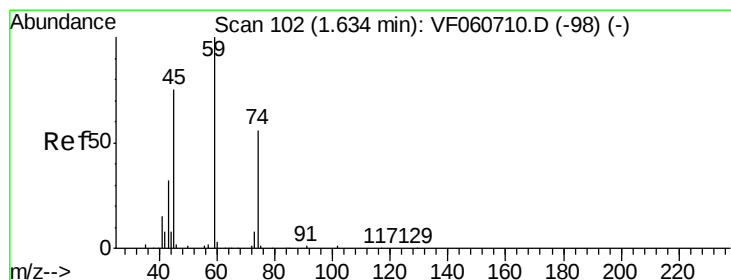
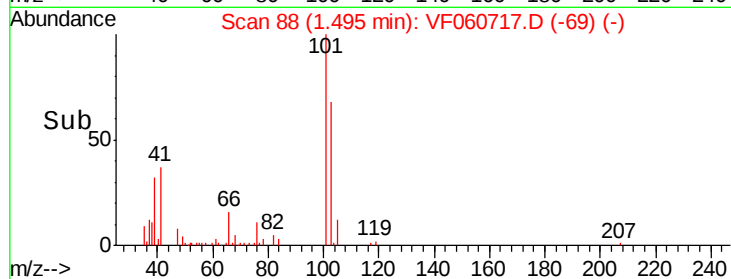
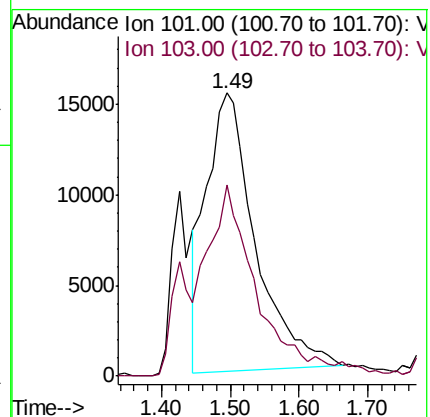
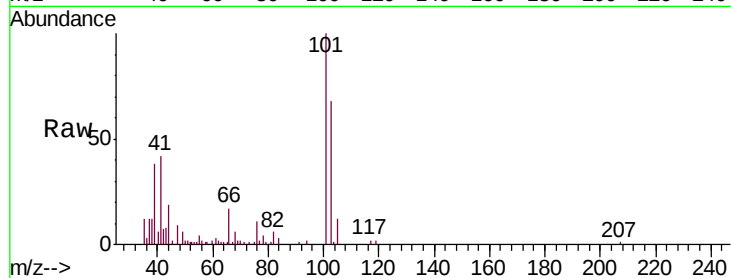
VF1113SBS02

Tgt Ion:101 Resp: 76205

Ion Ratio Lower Upper

101 100

103 67.5 53.1 79.7



#8

Diethyl Ether

Concen: 19.938 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF060717.D

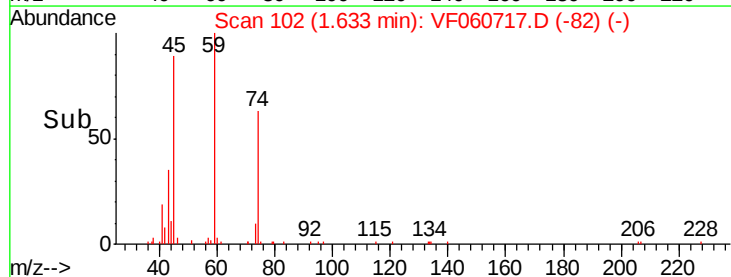
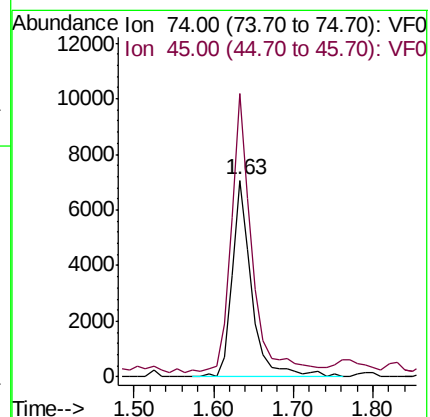
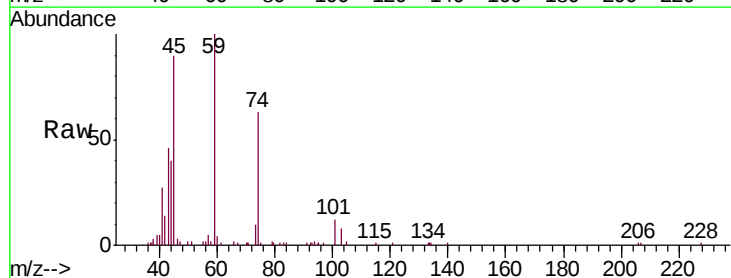
Acq: 13 Nov 2018 19:36

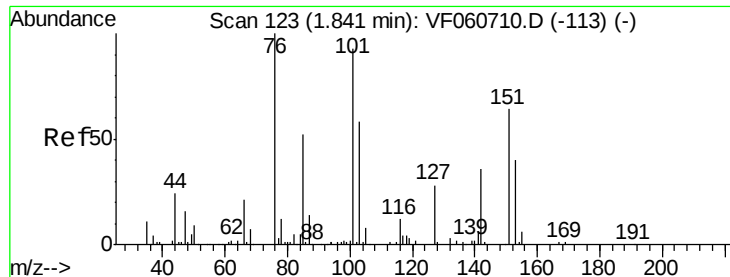
Tgt Ion: 74 Resp: 12170

Ion Ratio Lower Upper

74 100

45 144.0 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.523 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060717.D

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VF1113SBS02

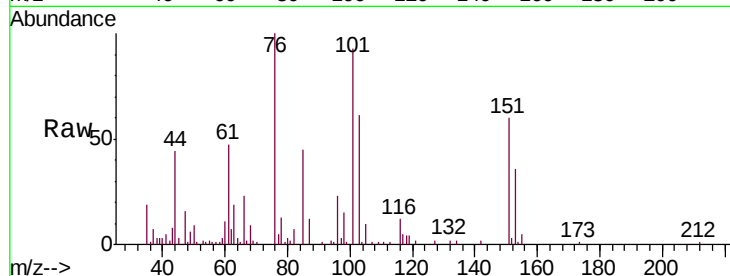
Tgt Ion:101 Resp: 48320

Ion Ratio Lower Upper

101 100

85 48.7 43.6 65.4

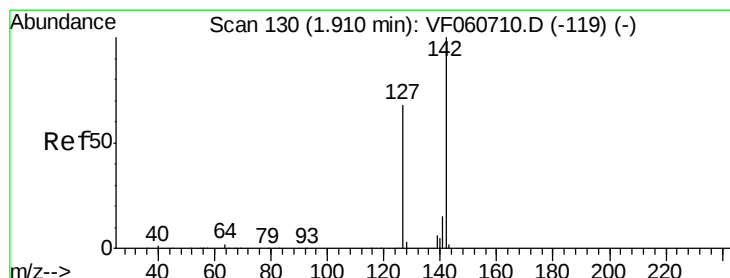
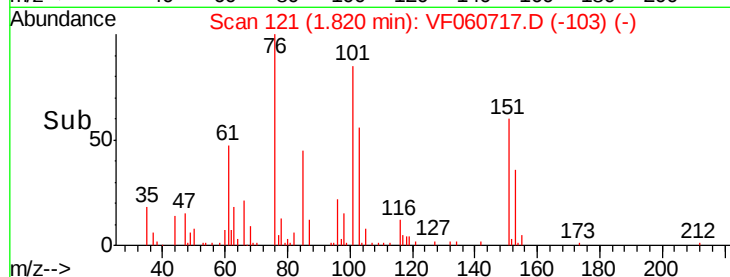
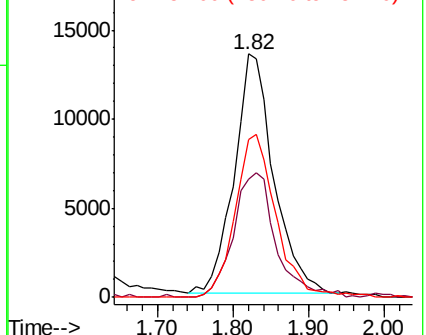
151 64.9 53.1 79.7



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



#10

Methyl Iodide

Concen: 15.505 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

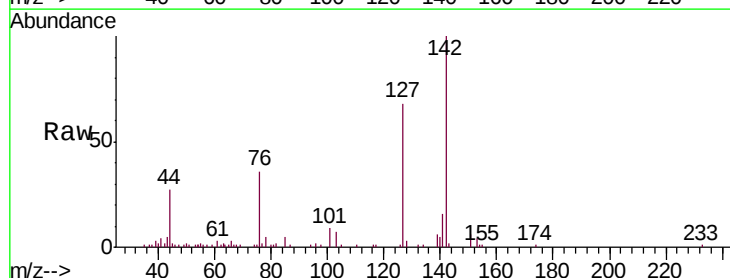
Tgt Ion:142 Resp: 55849

Ion Ratio Lower Upper

142 100

127 67.9 54.0 81.0

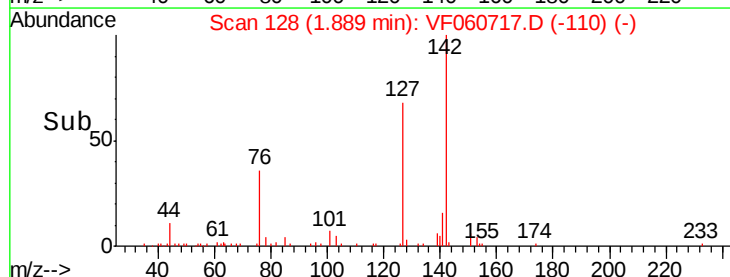
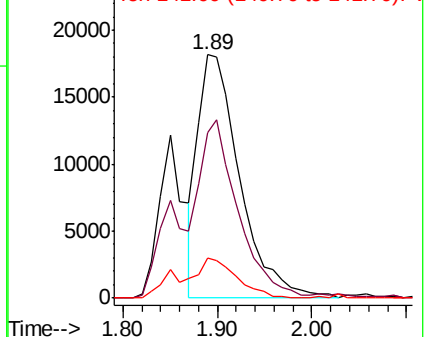
141 16.4 12.3 18.5

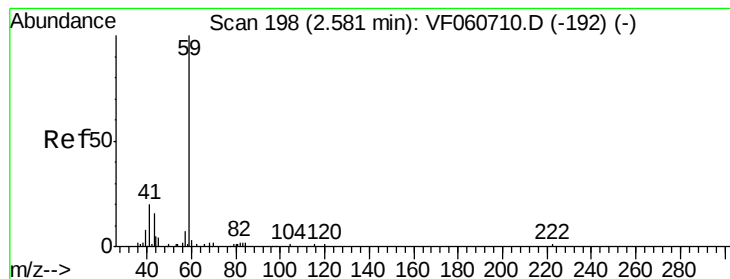


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



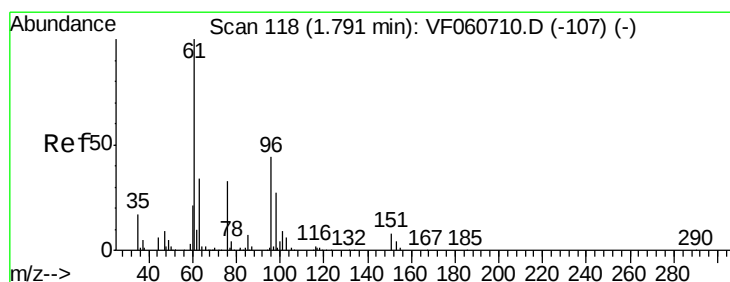
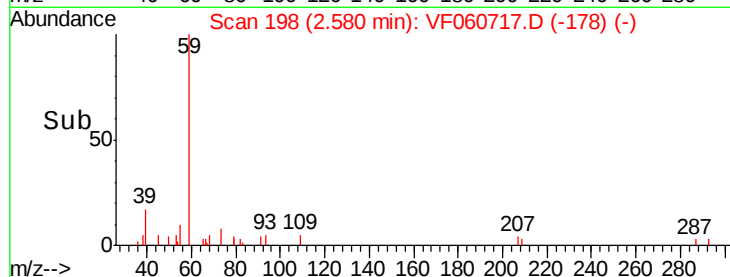
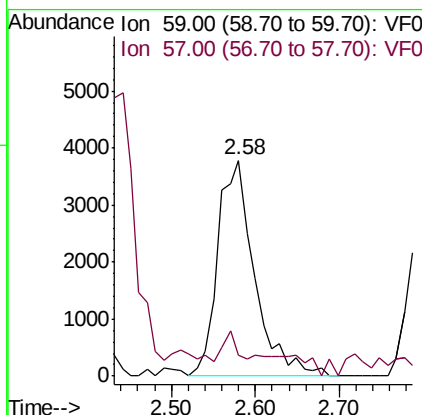
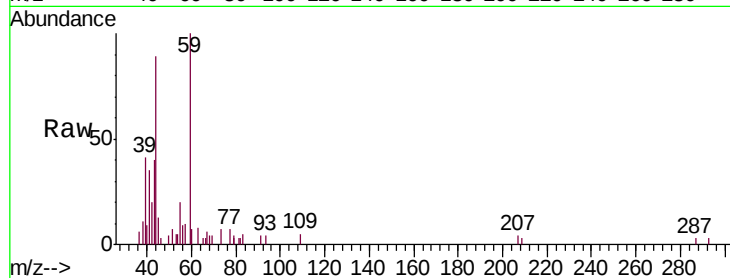


#11

Tert butyl alcohol
 Concen: 101.824 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

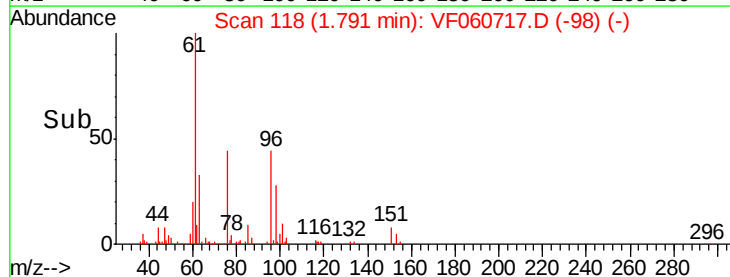
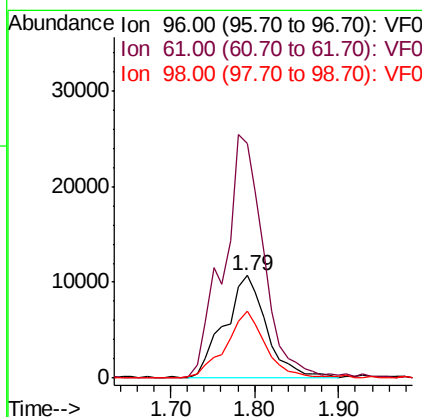
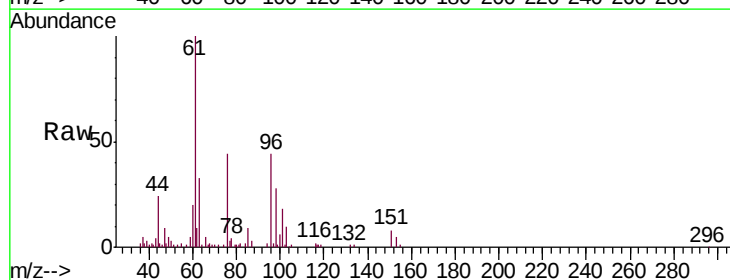
Tgt Ion: 59 Resp: 11469
 Ion Ratio Lower Upper
 59 100
 57 10.0 10.5 15.7#

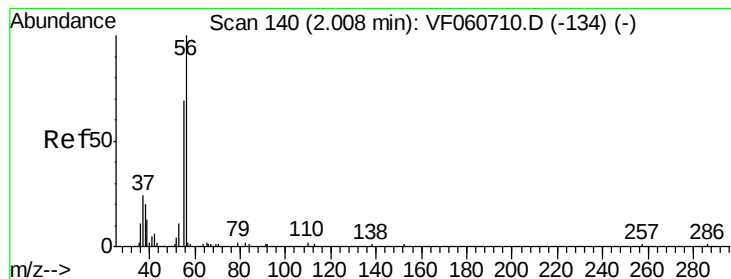


#12

1,1-Dichloroethene
 Concen: 21.082 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion: 96 Resp: 37319
 Ion Ratio Lower Upper
 96 100
 61 229.3 182.2 273.2
 98 65.2 49.2 73.8





#13

Acrolein

Concen: 99.196 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

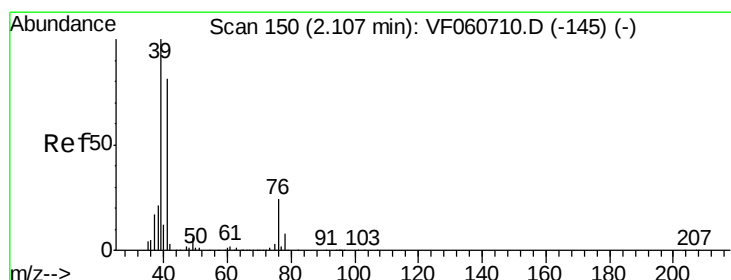
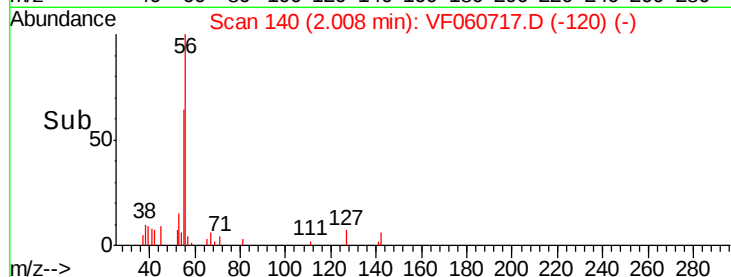
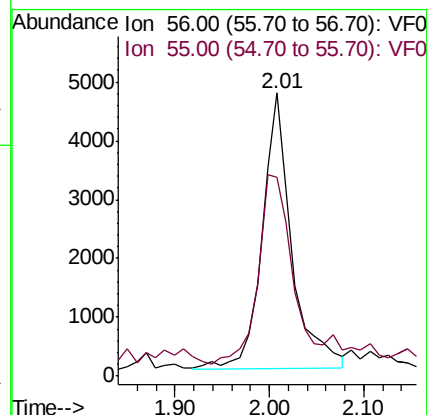
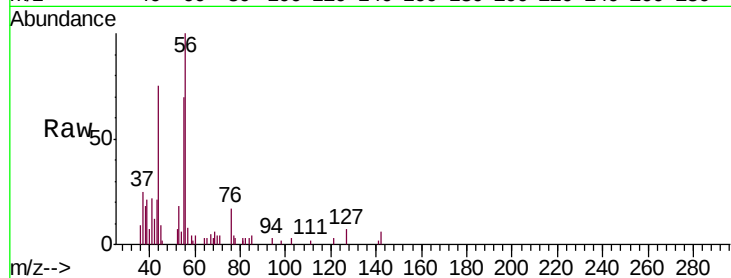
VF1113SBS02

Tgt Ion: 56 Resp: 10216

Ion Ratio Lower Upper

56 100

55 70.1 56.6 85.0



#14

Allyl chloride

Concen: 20.679 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

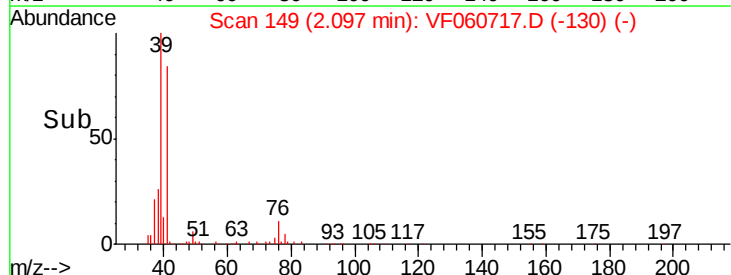
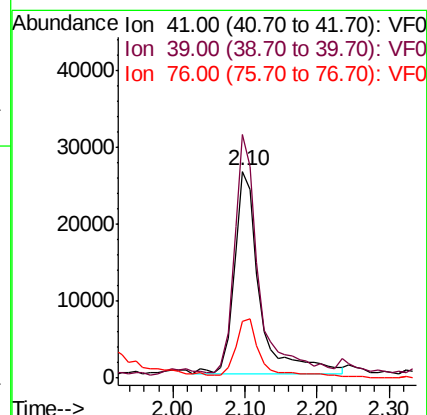
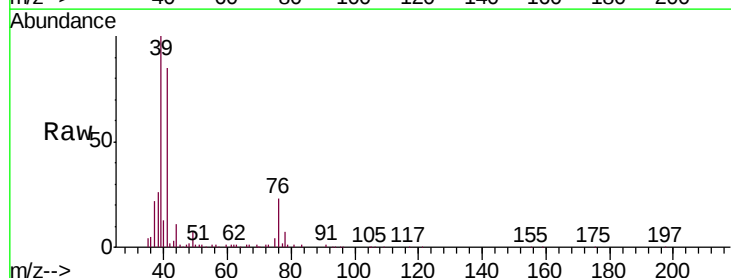
Tgt Ion: 41 Resp: 64130

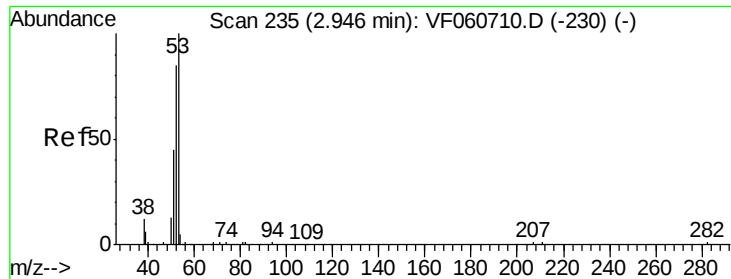
Ion Ratio Lower Upper

41 100

39 117.8 98.5 147.7

76 27.2 24.5 36.7





#15

Acrylonitrile

Concen: 111.057 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

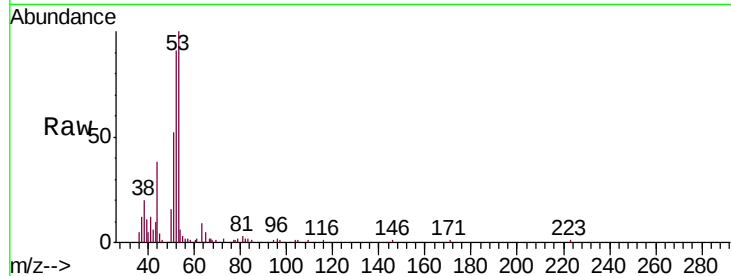
Tgt Ion: 53 Resp: 26655

Ion Ratio Lower Upper

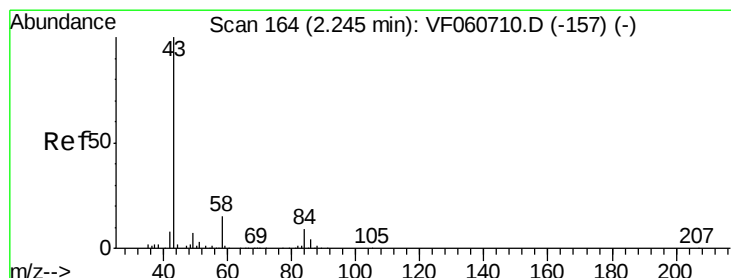
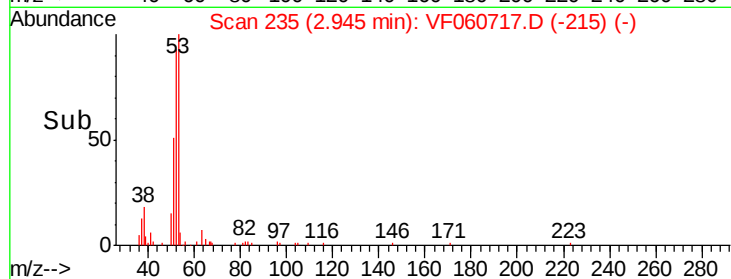
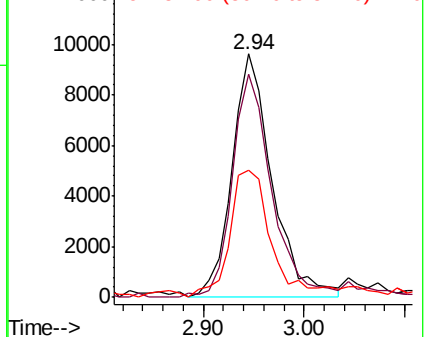
53 100

52 91.5 68.8 103.2

51 52.0 36.7 55.1



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



#16

Acetone

Concen: 92.195 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF060717.D

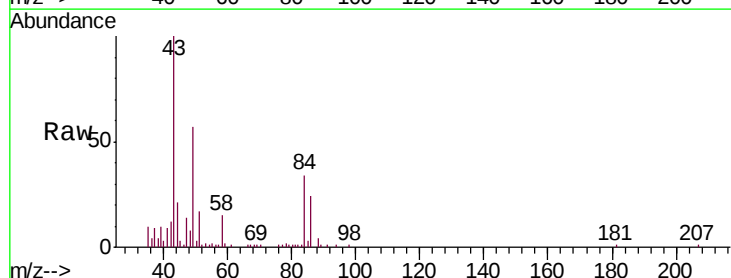
Acq: 13 Nov 2018 19:36

Tgt Ion: 43 Resp: 48771

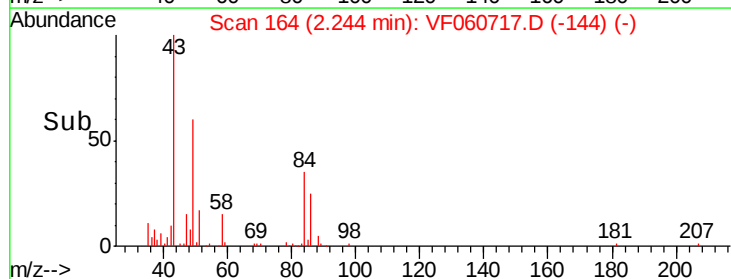
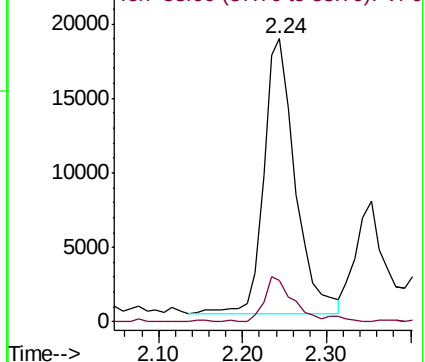
Ion Ratio Lower Upper

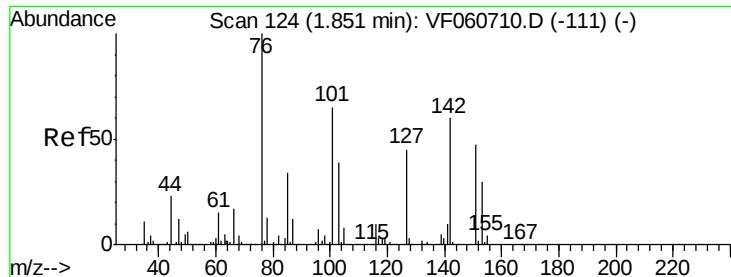
43 100

58 14.6 11.6 17.4



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

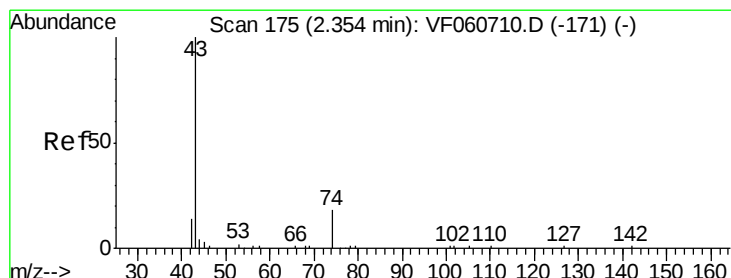
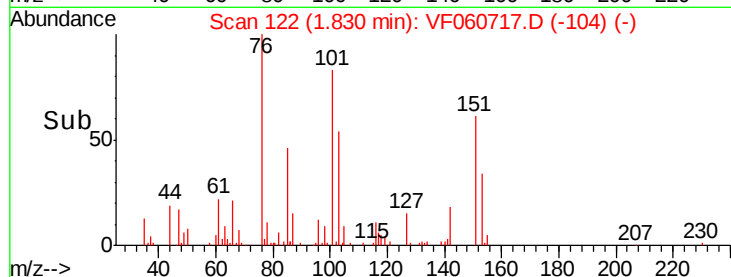
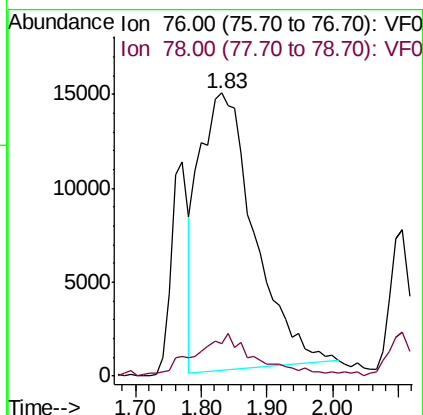
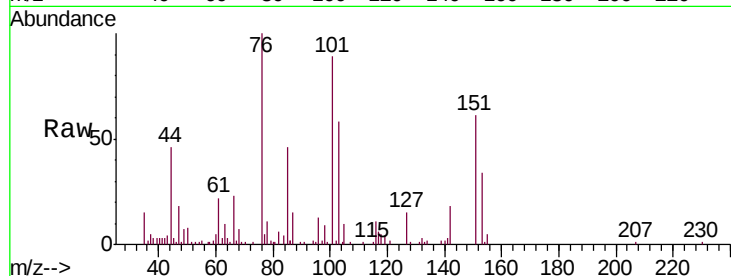




#17
Carbon Disulfide
Concen: 15.972 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

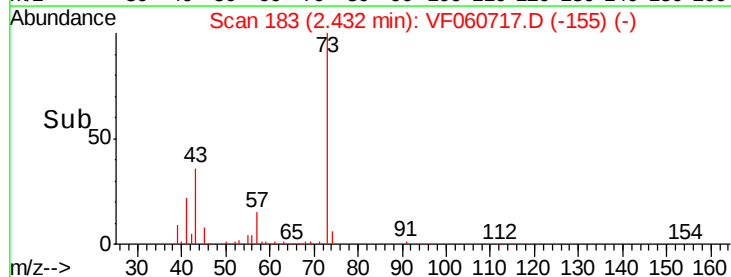
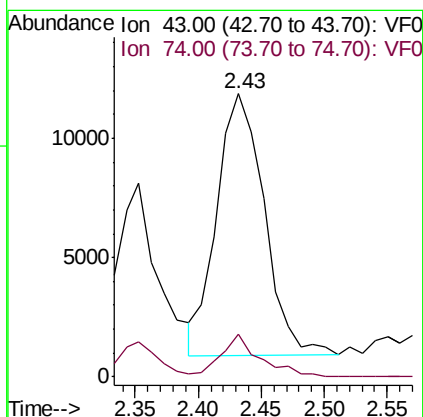
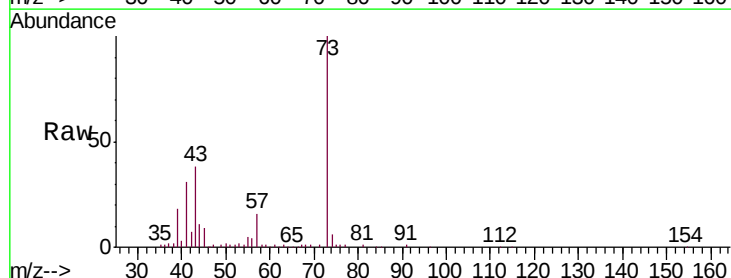
Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

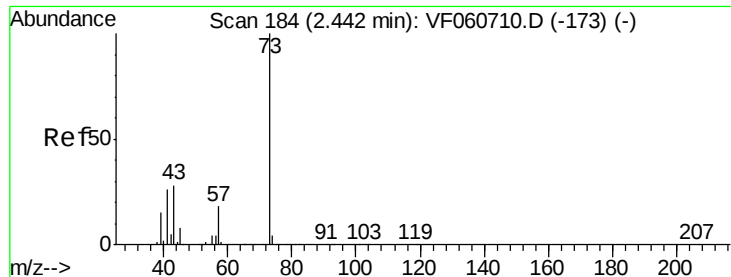
Tgt Ion: 76 Resp: 85453
Ion Ratio Lower Upper
76 100
78 11.4 10.5 15.7



#18
Methyl Acetate
Concen: 32.960 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.08 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion: 43 Resp: 28630
Ion Ratio Lower Upper
43 100
74 14.9 11.8 17.8



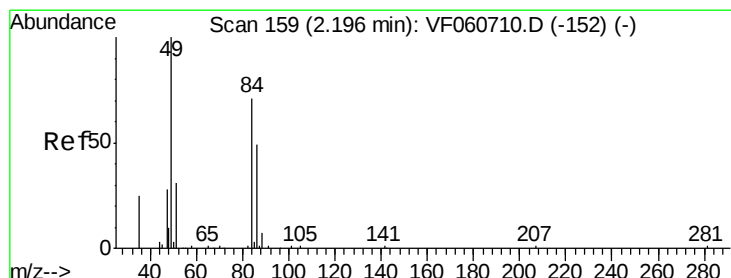
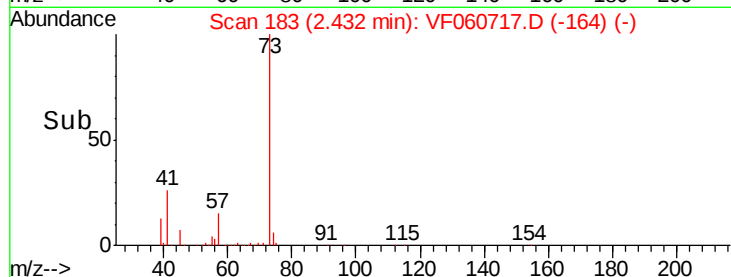
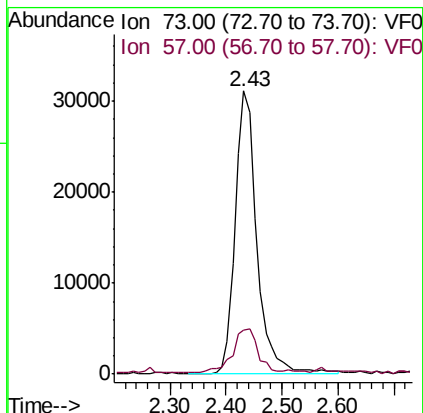
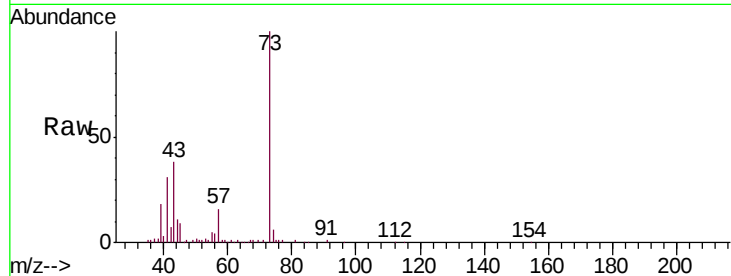


#19

Methyl tert-butyl Ether
 Concen: 19.792 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

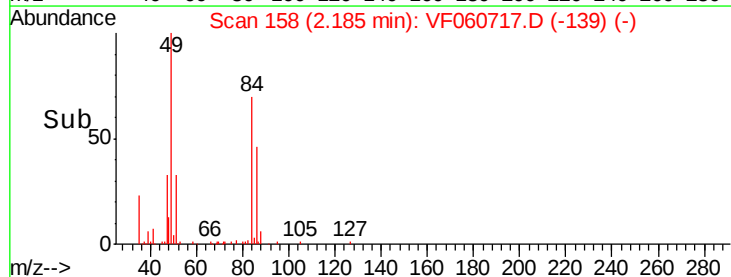
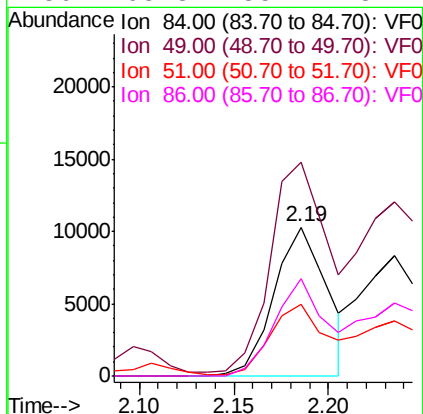
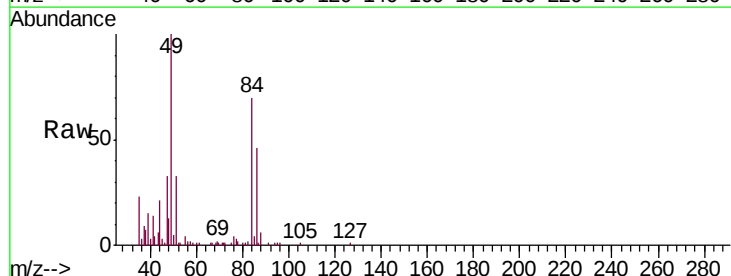
Tgt Ion: 73 Resp: 84053
 Ion Ratio Lower Upper
 73 100
 57 15.7 14.3 21.5

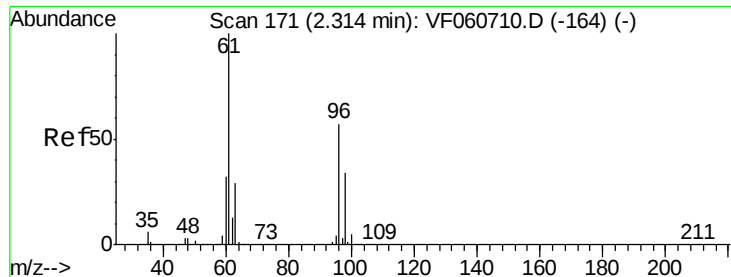


#20

Methylene Chloride
 Concen: 9.077 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion: 84 Resp: 20075
 Ion Ratio Lower Upper
 84 100
 49 143.3 120.2 180.4
 51 47.8 37.2 55.8
 86 65.3 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 21.501 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

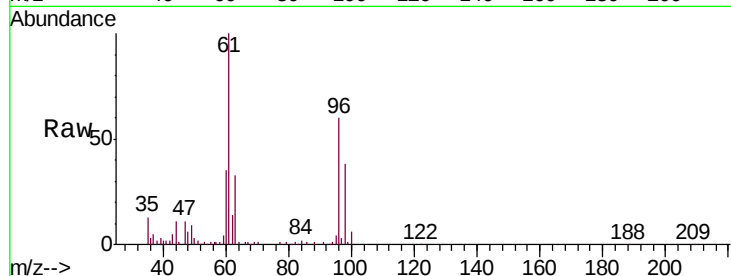
Tgt Ion: 96 Resp: 39766

Ion Ratio Lower Upper

96 100

61 166.0 141.6 212.4

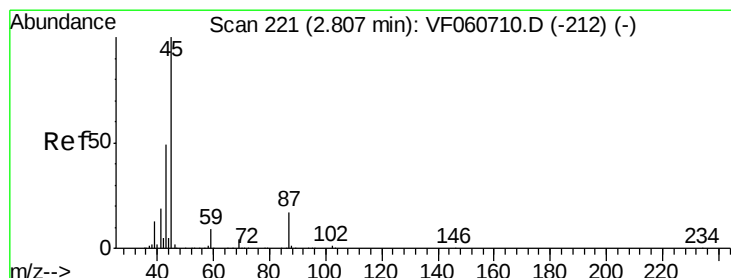
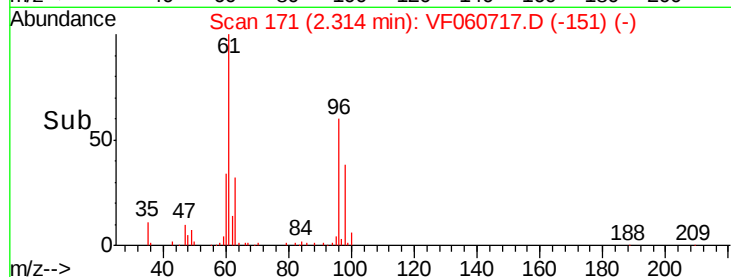
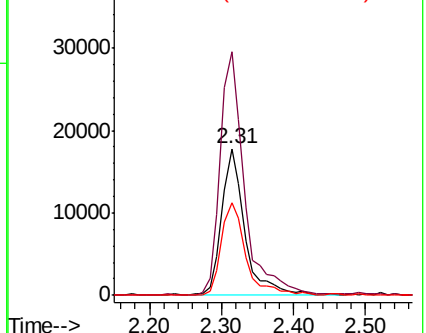
98 63.0 47.4 71.0



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: 20.949 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Tgt Ion: 45 Resp: 125425

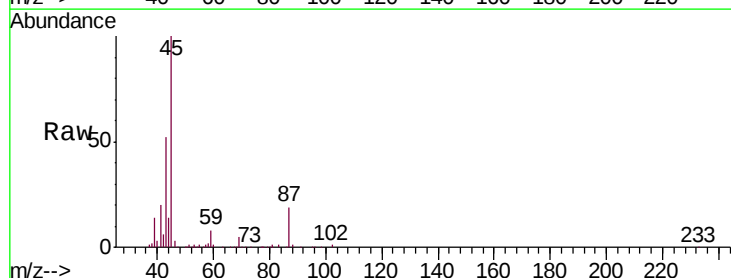
Ion Ratio Lower Upper

45 100

43 51.6 39.9 59.9

87 19.4 13.9 20.9

59 8.2 7.1 10.7

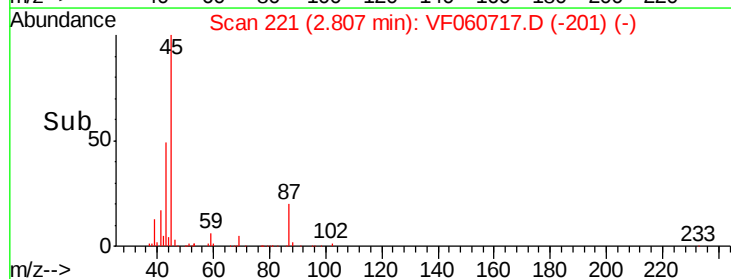
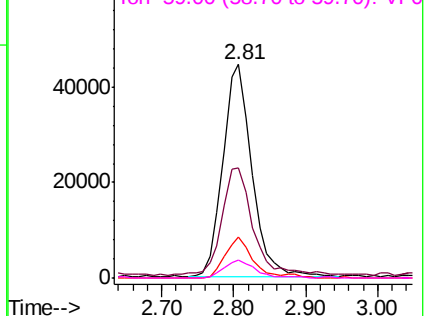


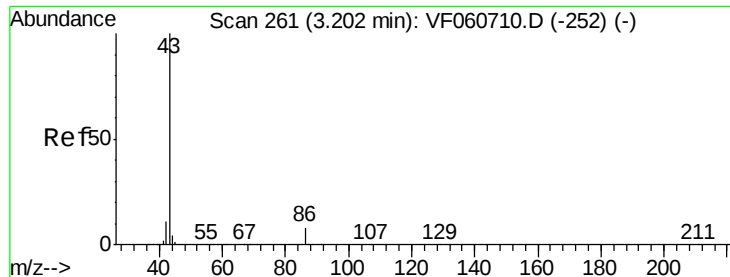
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 102.303 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

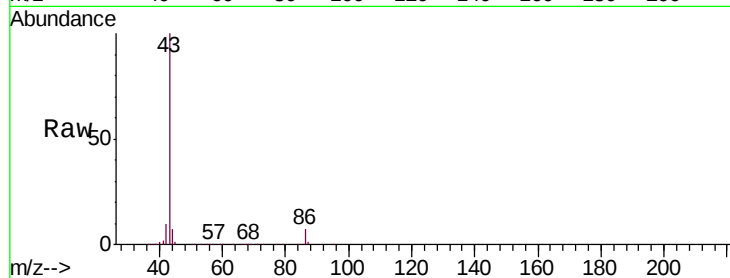
VF1113SBS02

Tgt Ion: 43 Resp: 288433

Ion Ratio Lower Upper

43 100

86 6.7 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

120000

100000

80000

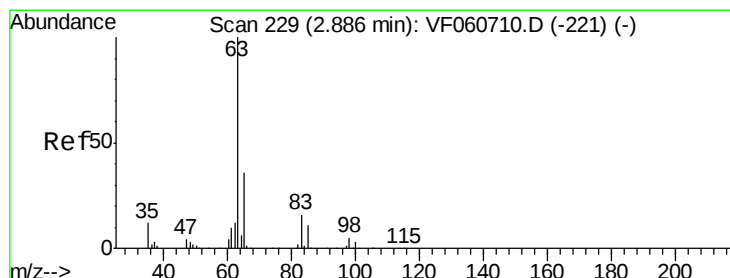
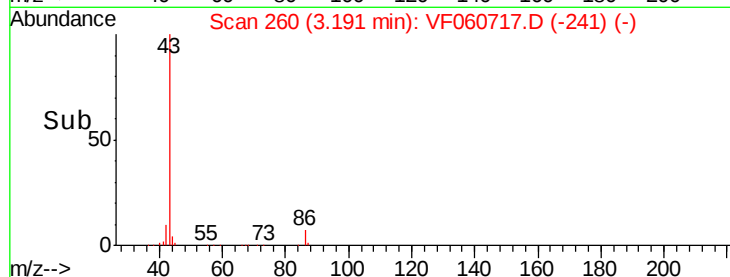
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.453 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

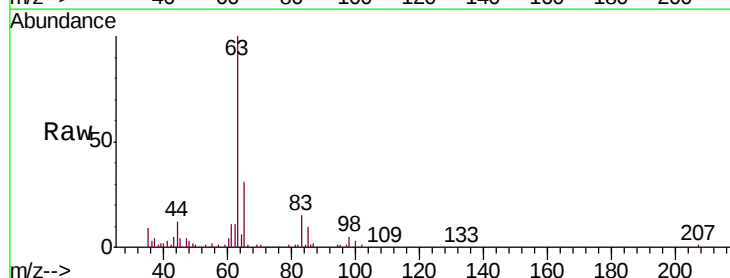
Tgt Ion: 63 Resp: 81387

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.1

100 3.1 1.4 4.2



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

40000

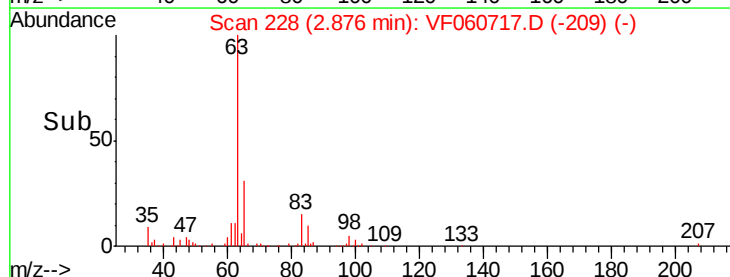
30000

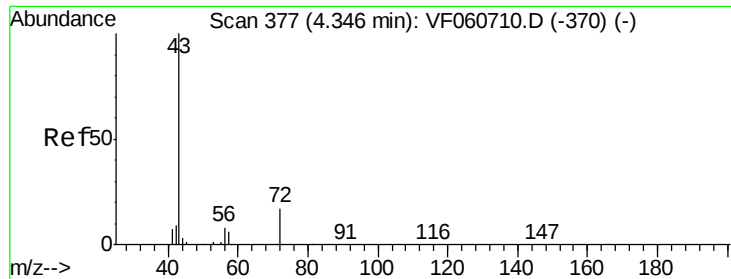
20000

10000

0

Time-->





#25

2-Butanone

Concen: 104.965 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

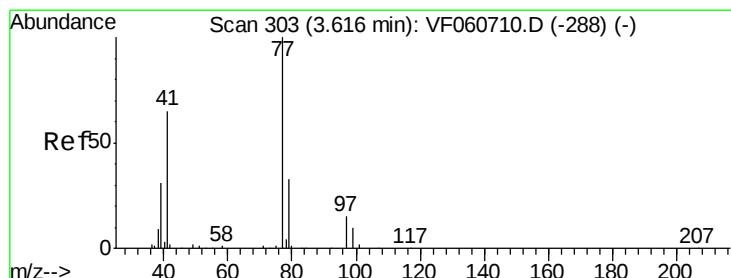
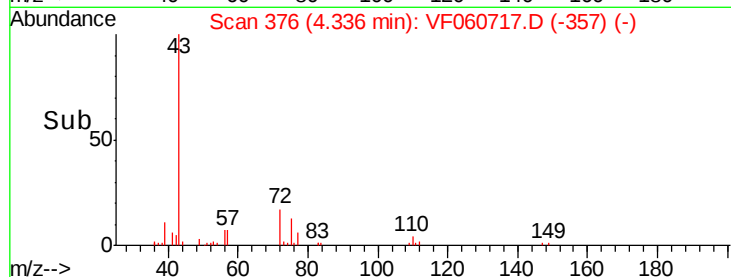
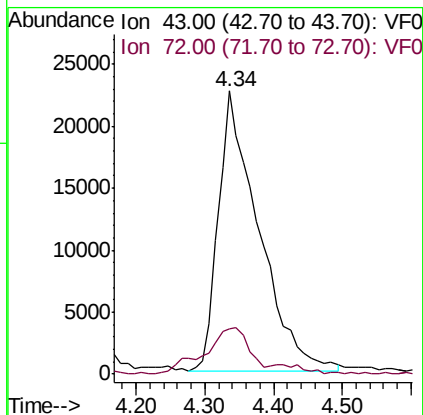
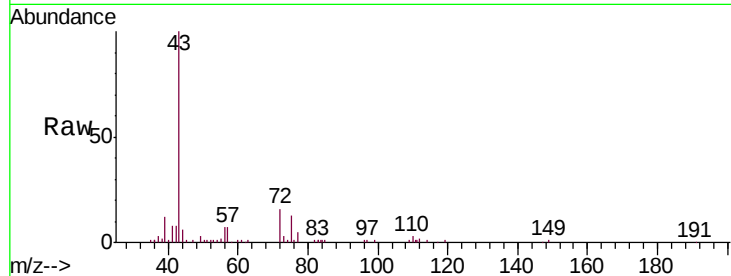
VF1113SBS02

Tgt Ion: 43 Resp: 91331

Ion Ratio Lower Upper

43 100

72 15.8 16.1 24.1#



#26

2,2-Dichloropropane

Concen: 21.508 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060717.D

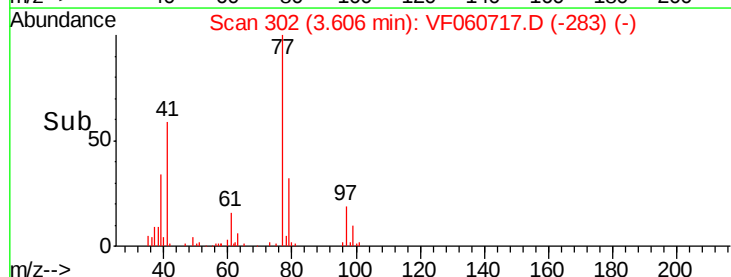
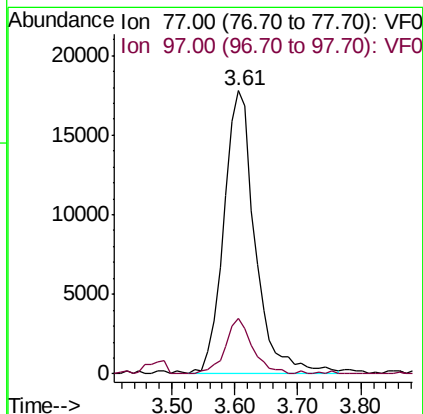
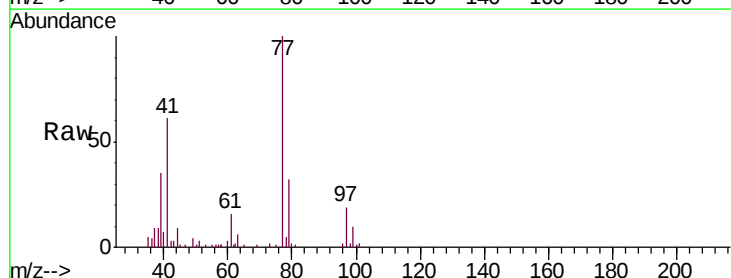
Acq: 13 Nov 2018 19:36

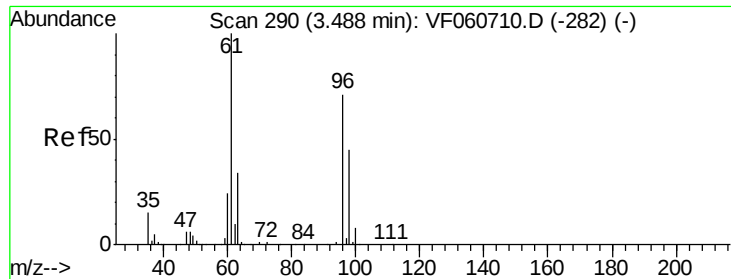
Tgt Ion: 77 Resp: 61351

Ion Ratio Lower Upper

77 100

97 19.5 8.8 26.5



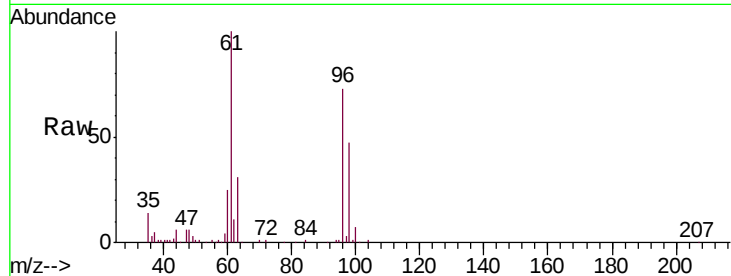


#27

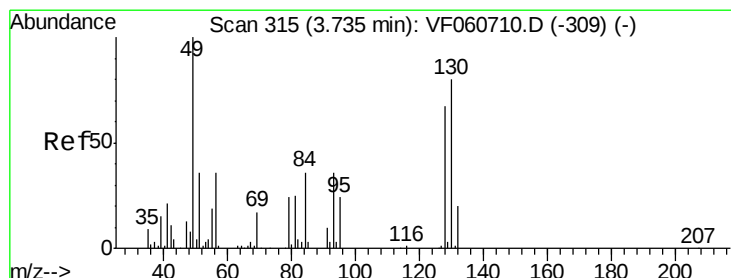
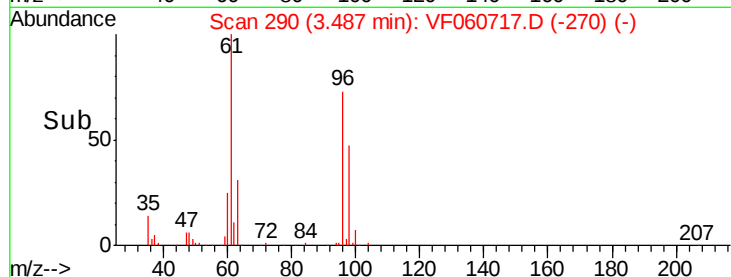
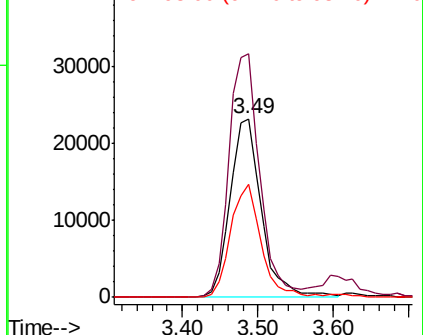
cis-1,2-Dichloroethene
Concen: 21.084 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.00 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

Tgt Ion: 96 Resp: 66336
Ion Ratio Lower Upper
96 100
61 136.2 0.0 280.6
98 63.6 0.0 127.6



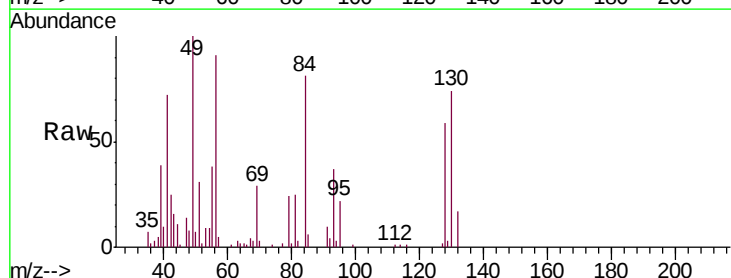
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



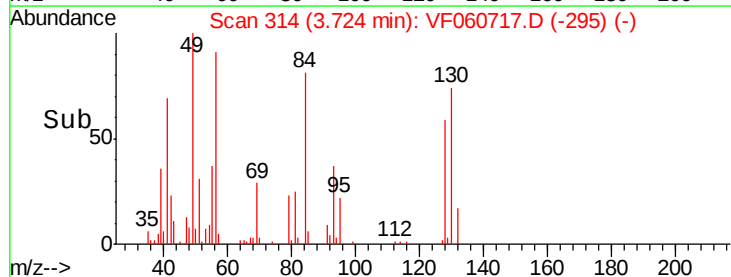
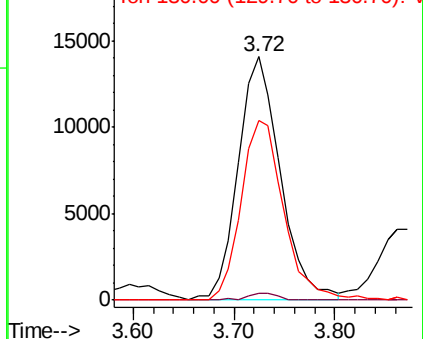
#28

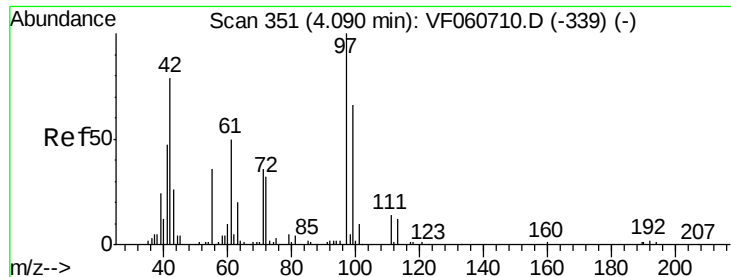
Bromochloromethane
Concen: 21.769 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion: 49 Resp: 41008
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.2
130 74.0 63.9 95.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 102.341 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

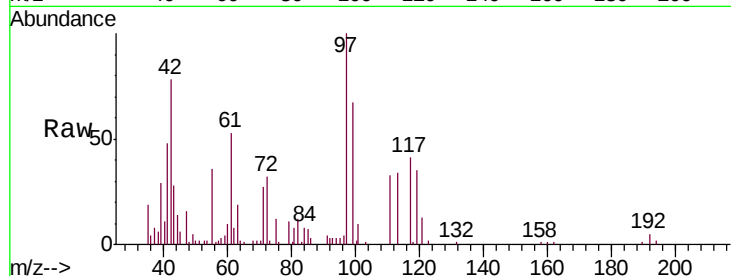
Tgt Ion: 42 Resp: 36731

Ion Ratio Lower Upper

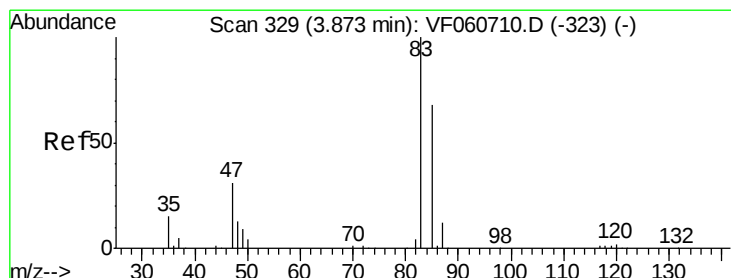
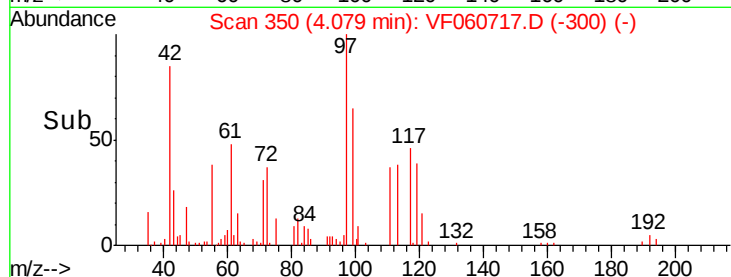
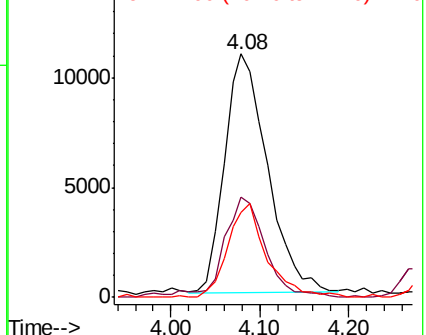
42 100

72 41.0 30.3 45.5

71 35.4 32.2 48.2



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



#30

Chloroform

Concen: 20.432 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060717.D

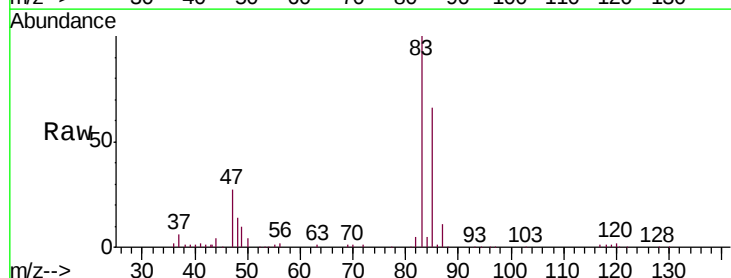
Acq: 13 Nov 2018 19:36

Tgt Ion: 83 Resp: 118827

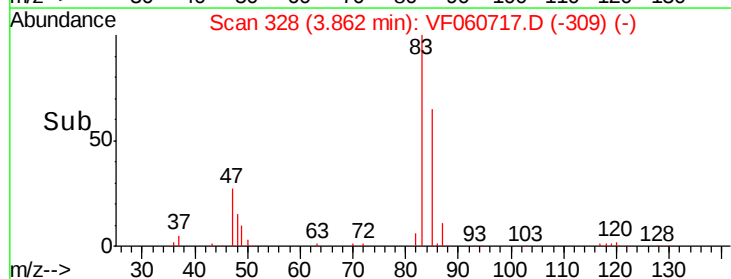
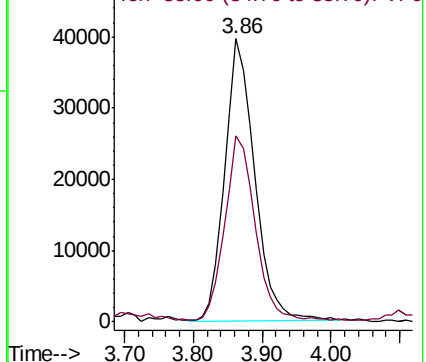
Ion Ratio Lower Upper

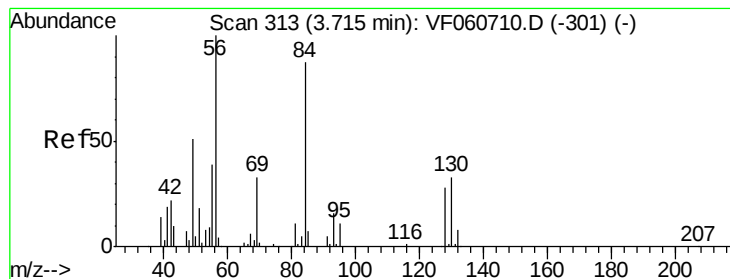
83 100

85 65.9 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.968 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

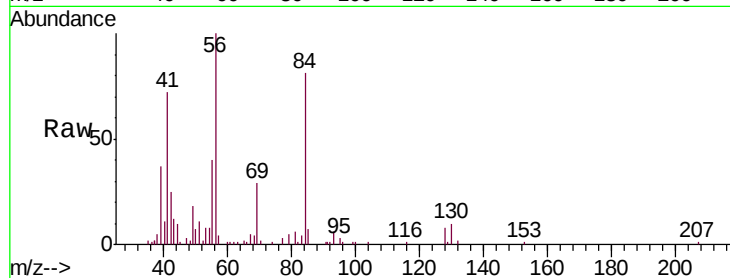
Tgt Ion: 56 Resp: 96646

Ion Ratio Lower Upper

56 100

69 29.2 26.0 39.0

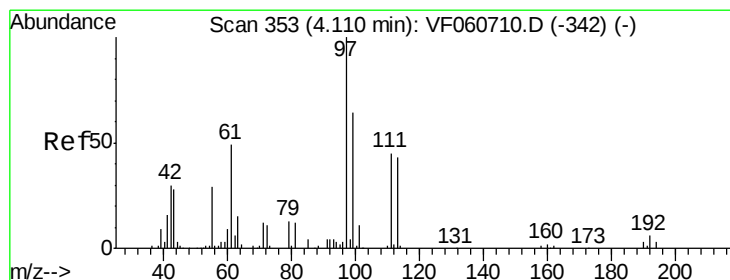
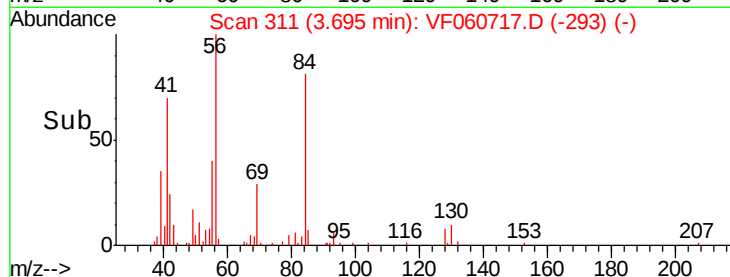
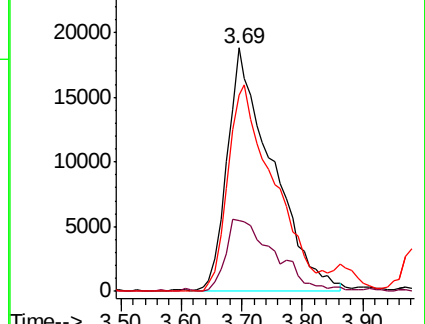
84 80.6 69.4 104.2



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: 21.755 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

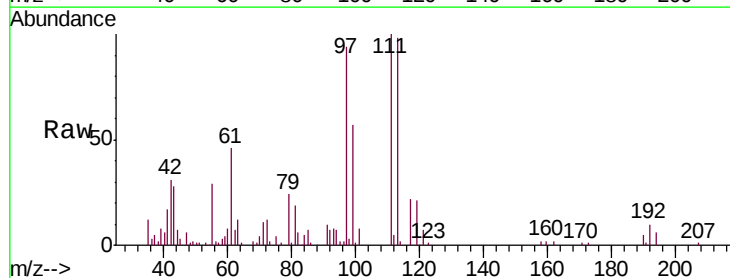
Tgt Ion: 97 Resp: 99634

Ion Ratio Lower Upper

97 100

99 60.6 51.1 76.7

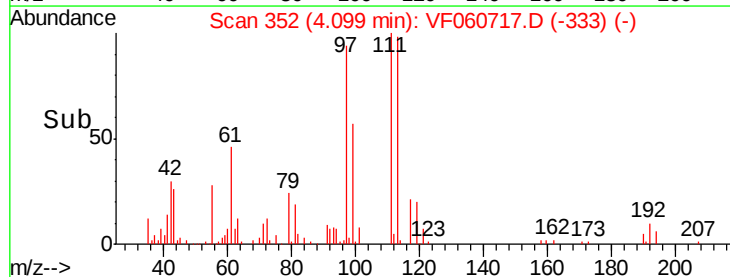
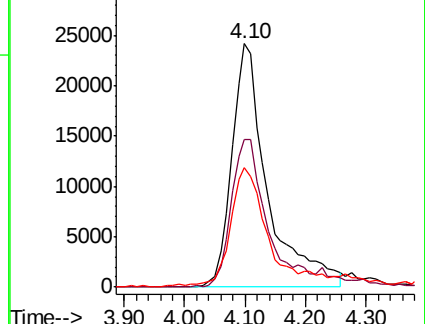
61 49.3 40.1 60.1

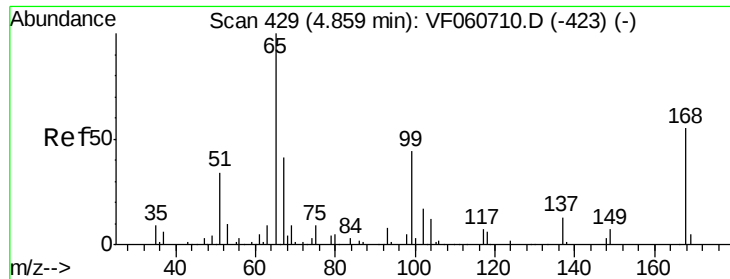


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.418 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

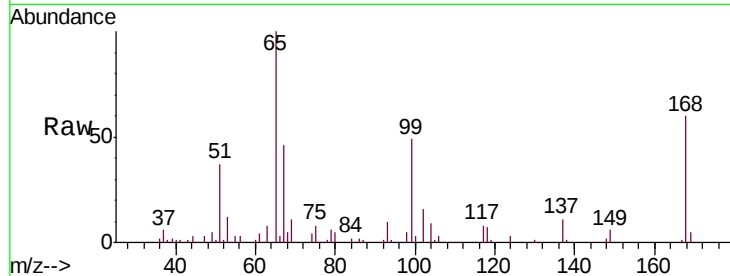
VF1113SBS02

Tgt Ion: 65 Resp: 112407

Ion Ratio Lower Upper

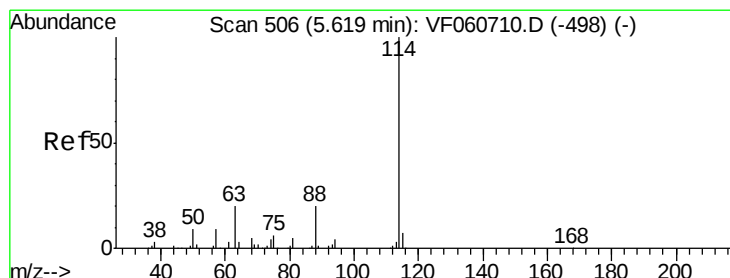
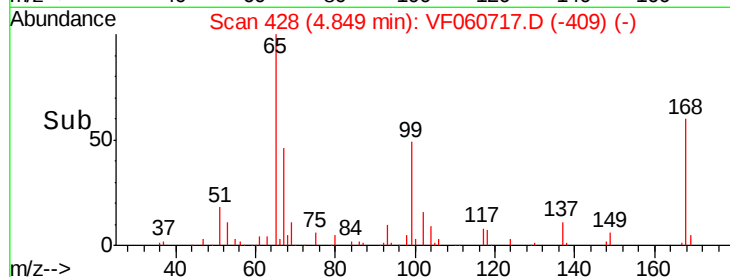
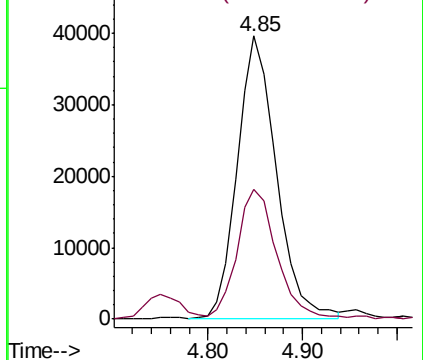
65 100

67 46.0 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

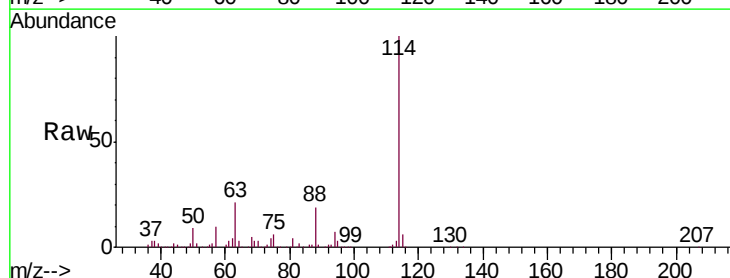
Tgt Ion: 114 Resp: 376739

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

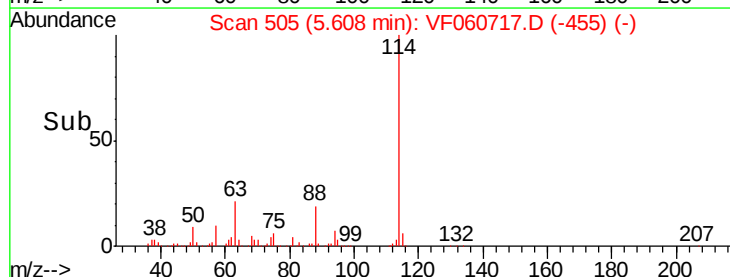
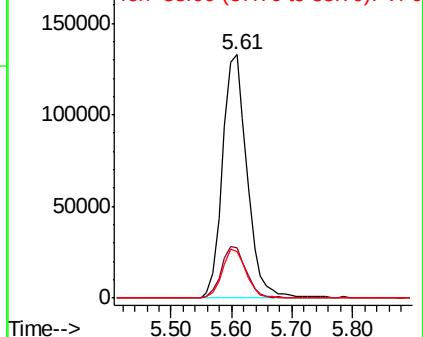
88 19.2 0.0 39.6

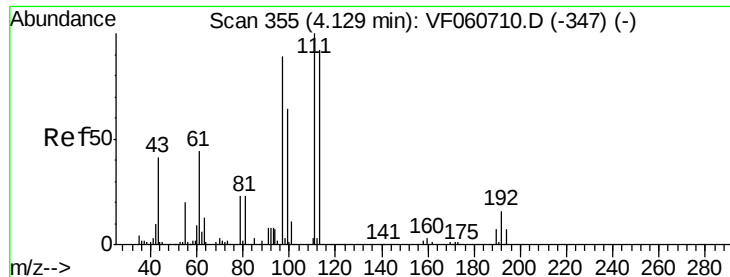


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.998 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

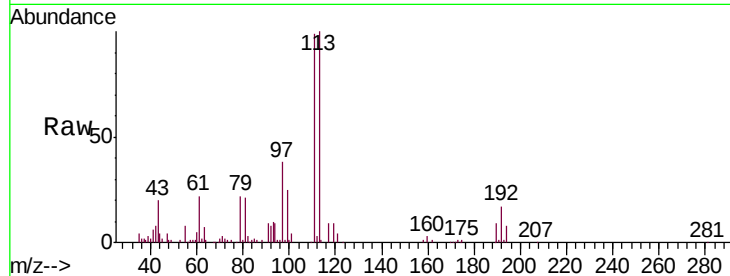
Tgt Ion:113 Resp: 135926

Ion Ratio Lower Upper

113 100

111 99.3 87.1 130.7

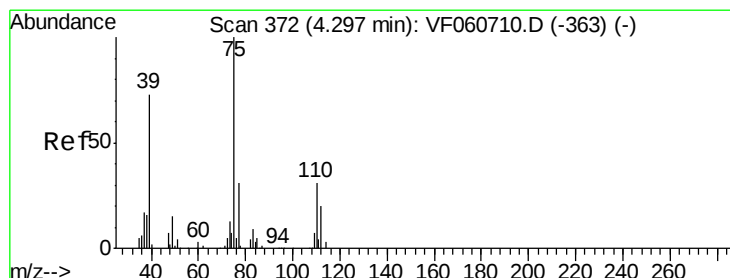
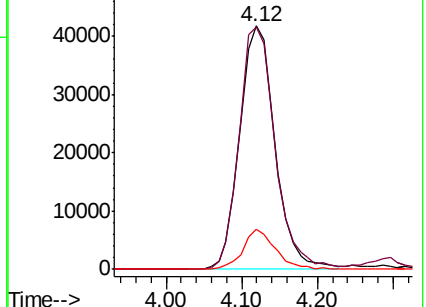
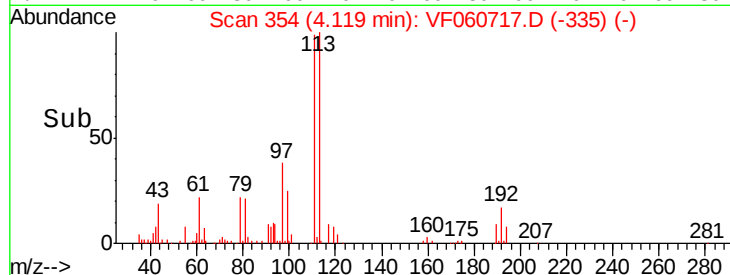
192 17.3 13.8 20.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.347 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

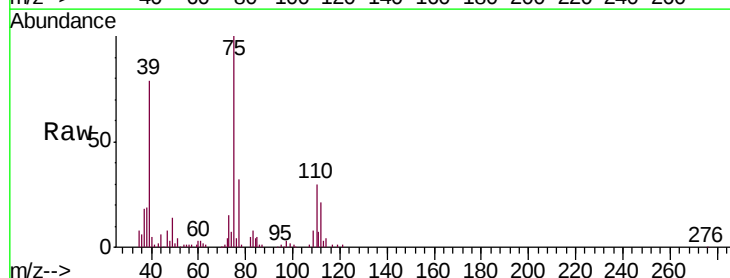
Tgt Ion: 75 Resp: 93270

Ion Ratio Lower Upper

75 100

110 29.5 15.6 46.8

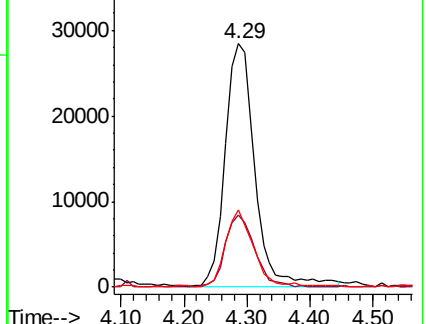
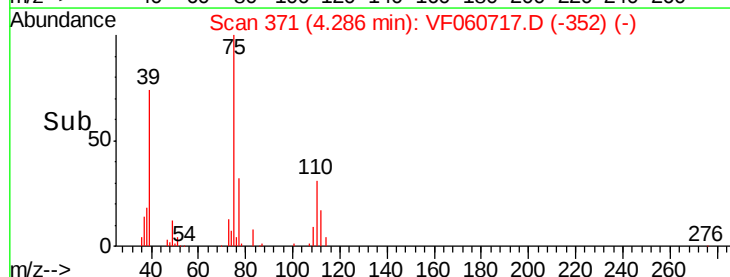
77 31.6 25.0 37.6

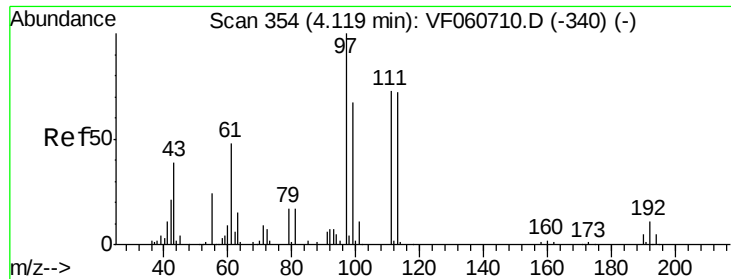


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.505 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

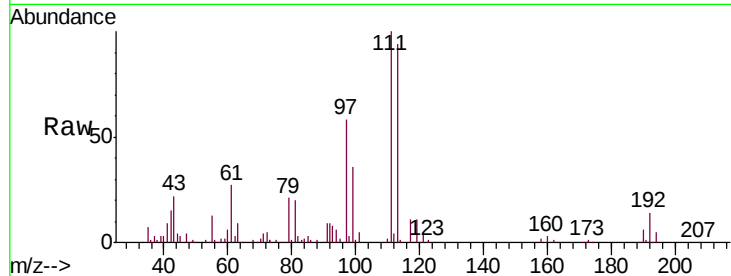
Tgt Ion: 43 Resp: 33309

Ion Ratio Lower Upper

43 100

61 121.9 98.5 147.7

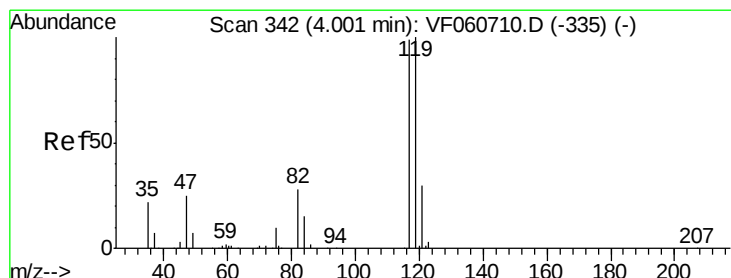
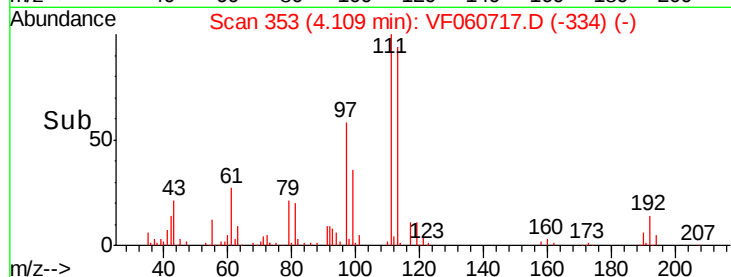
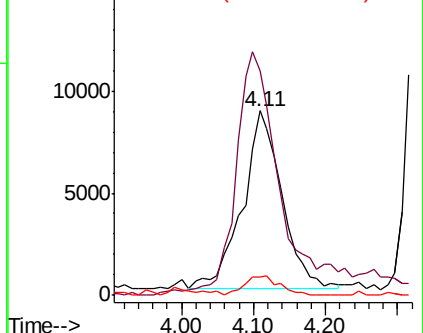
70 9.8 7.4 11.0



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



#38

Carbon Tetrachloride

Concen: 21.124 ug/l

RT: 4.00 min Scan# 342

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

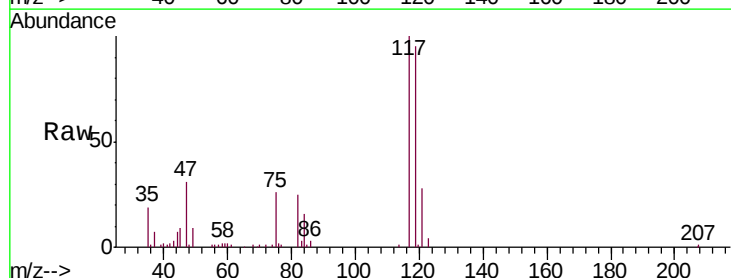
Tgt Ion: 117 Resp: 89555

Ion Ratio Lower Upper

117 100

119 94.8 80.7 121.1

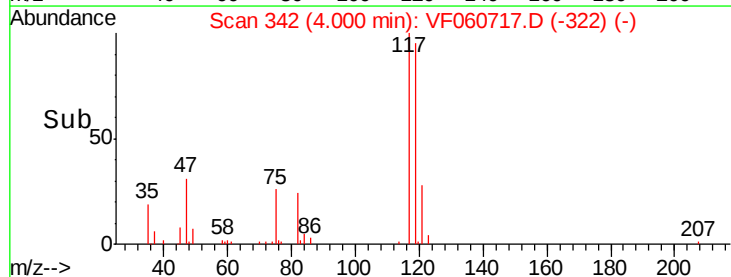
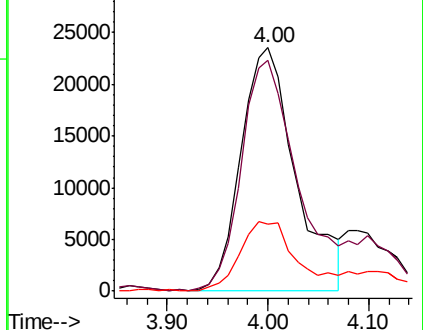
121 27.7 24.3 36.5

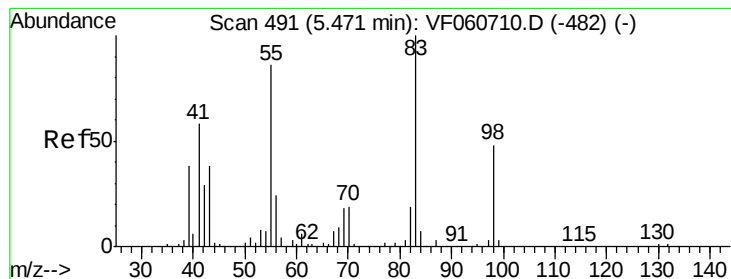


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 20.464 ug/l

RT: 5.46 min Scan# 490

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

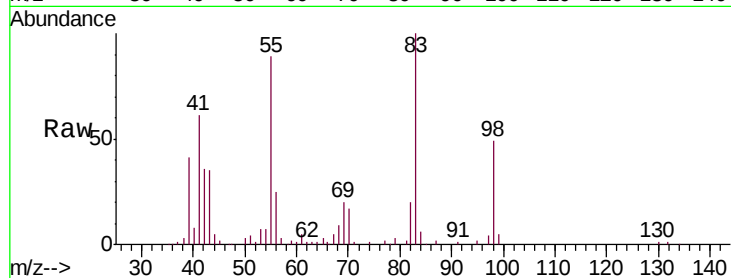
Tgt Ion: 83 Resp: 103734

Ion Ratio Lower Upper

83 100

55 89.4 69.0 103.4

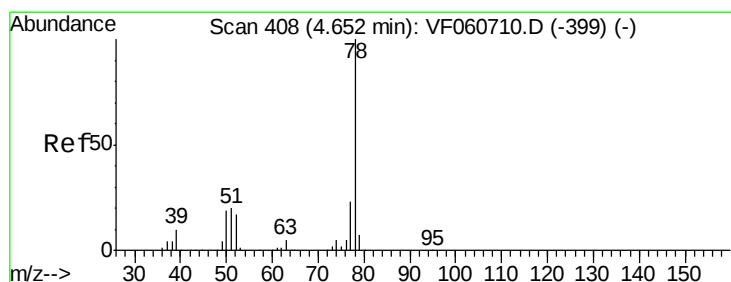
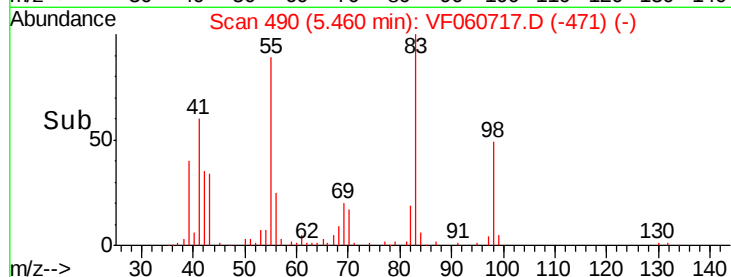
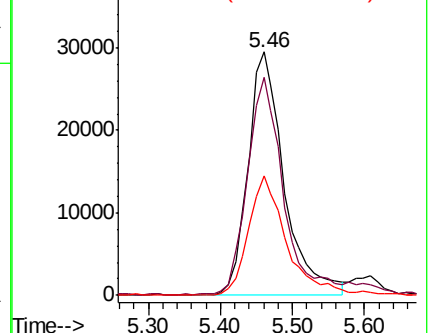
98 49.2 38.5 57.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 21.037 ug/l

RT: 4.64 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF060717.D

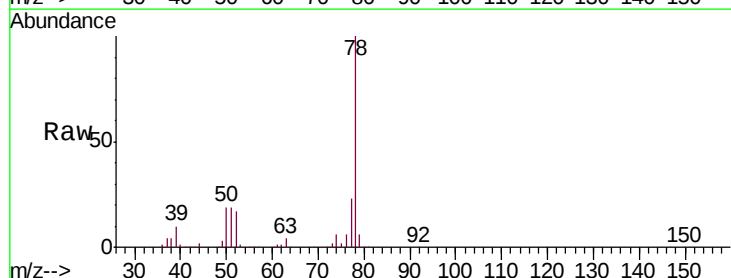
Acq: 13 Nov 2018 19:36

Tgt Ion: 78 Resp: 204896

Ion Ratio Lower Upper

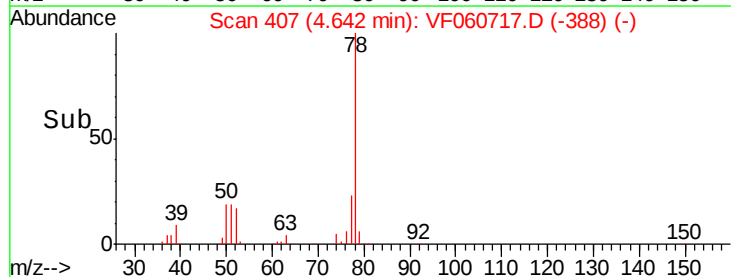
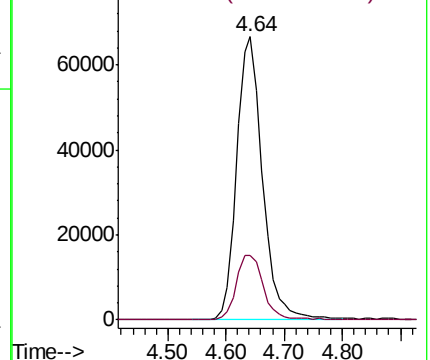
78 100

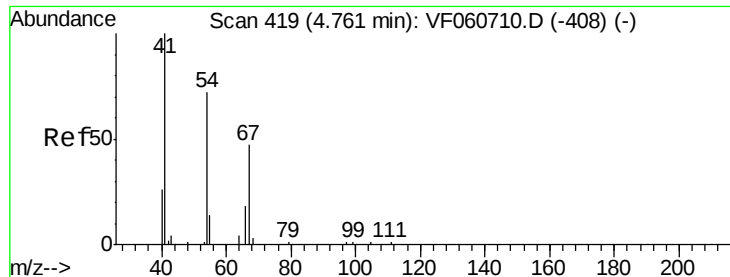
77 22.8 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.543 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

Tgt Ion: 41 Resp: 20001

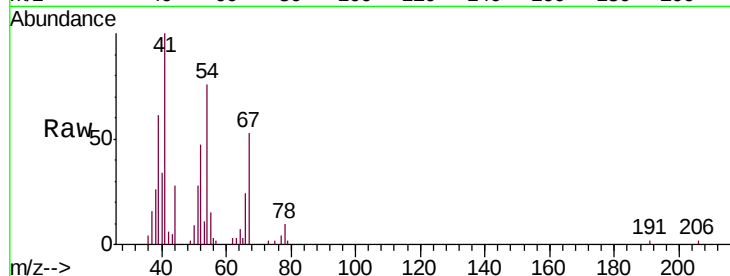
Ion Ratio Lower Upper

41 100

39 61.0 47.1 70.7

67 53.0 37.1 55.7

52 46.7 39.3 58.9

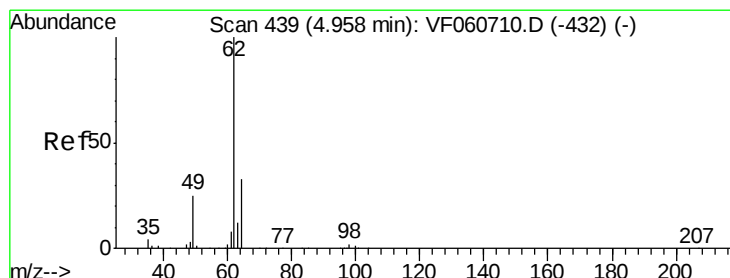
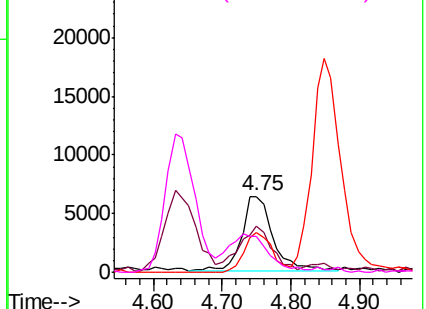
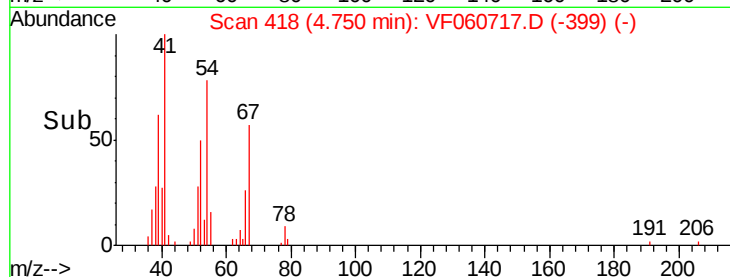


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 19.394 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF060717.D

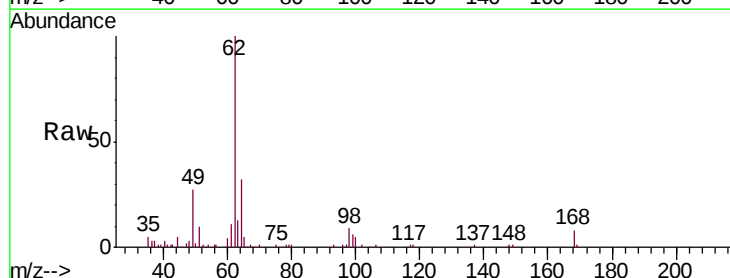
Acq: 13 Nov 2018 19:36

Tgt Ion: 62 Resp: 65277

Ion Ratio Lower Upper

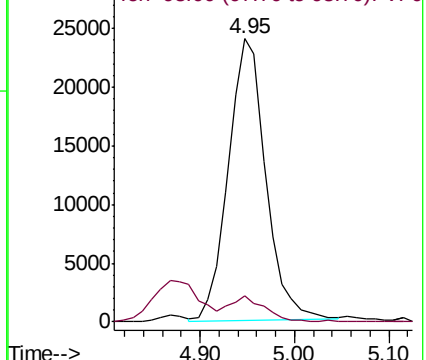
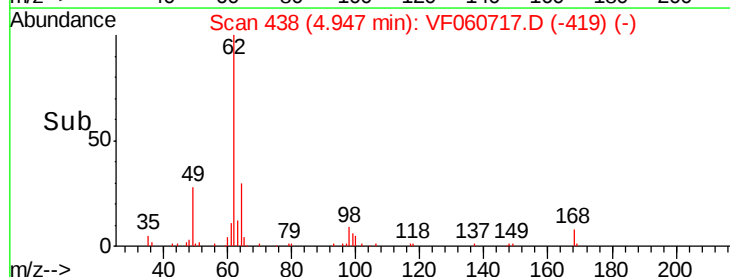
62 100

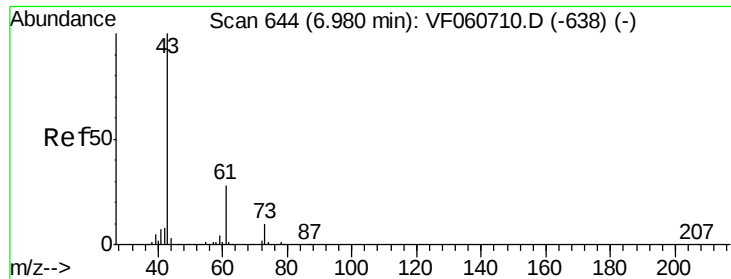
98 9.3 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.193 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

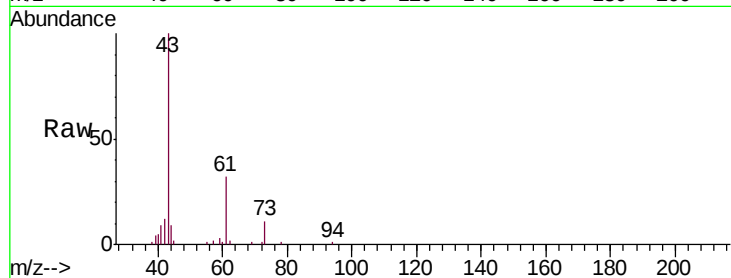
Tgt Ion: 43 Resp: 43491

Ion Ratio Lower Upper

43 100

61 32.0 22.2 33.4

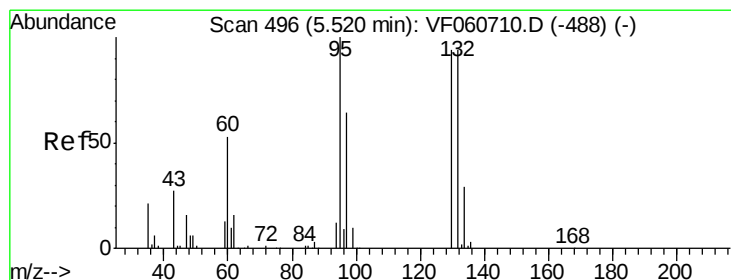
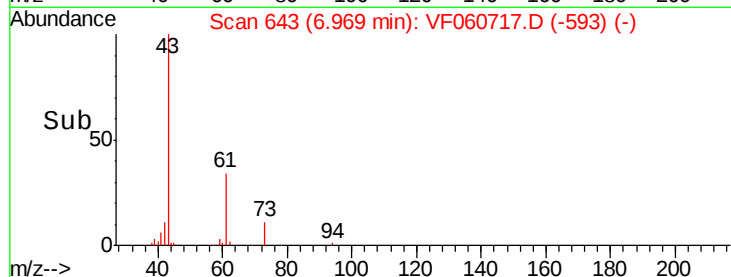
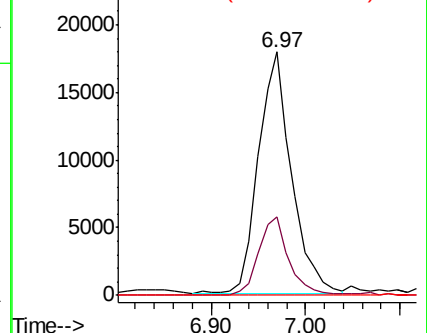
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.800 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF060717.D

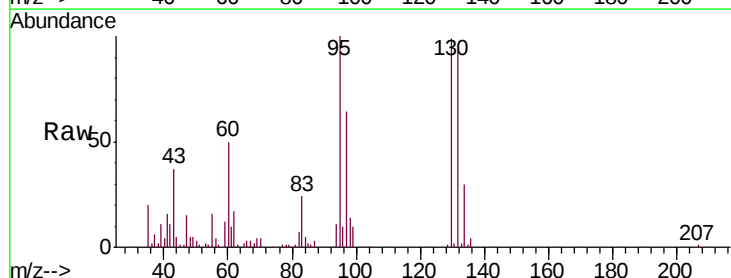
Acq: 13 Nov 2018 19:36

Tgt Ion:130 Resp: 63918

Ion Ratio Lower Upper

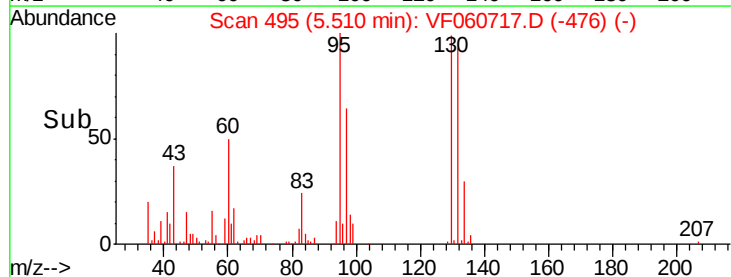
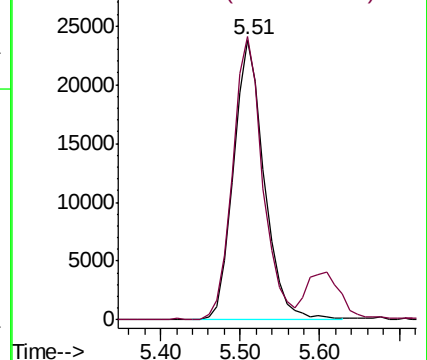
130 100

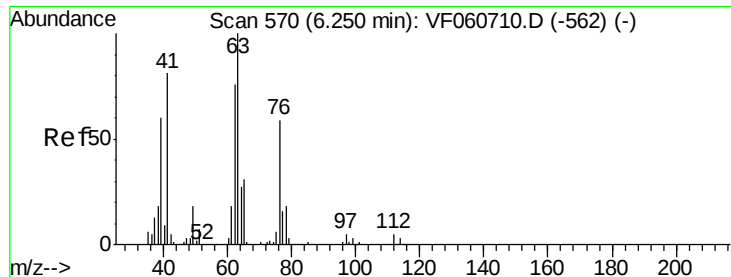
95 101.1 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 19.987 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

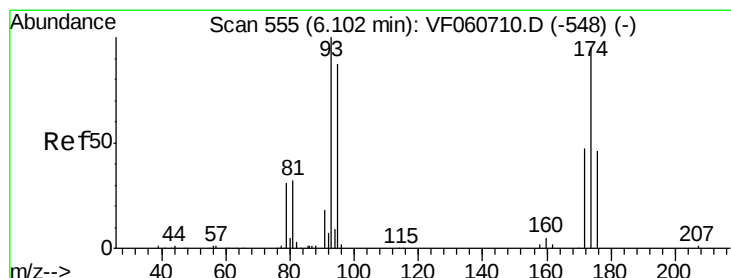
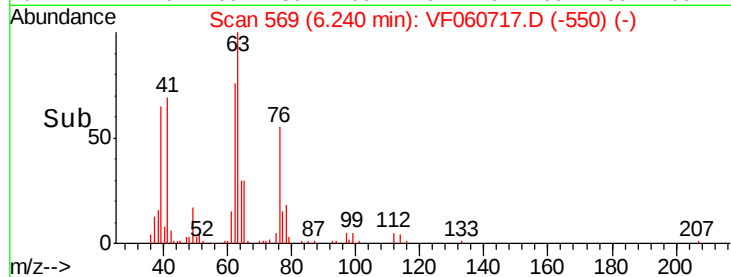
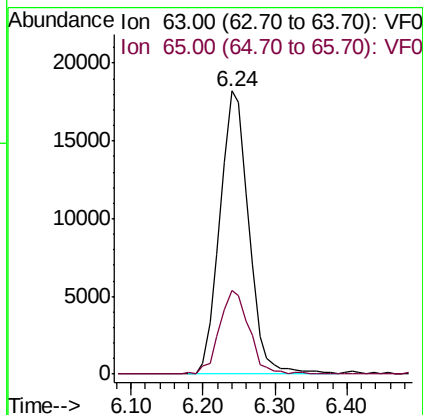
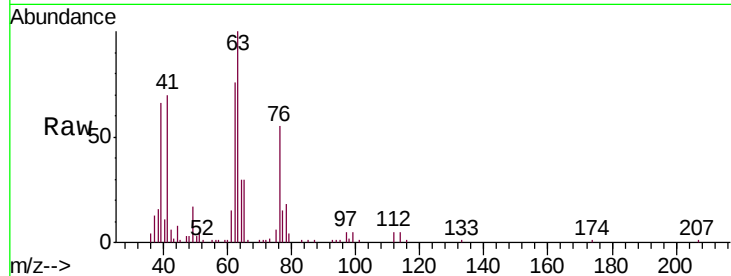
VF1113SBS02

Tgt Ion: 63 Resp: 50657

Ion Ratio Lower Upper

63 100

65 29.8 24.6 36.8



#46

Dibromomethane

Concen: 18.791 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

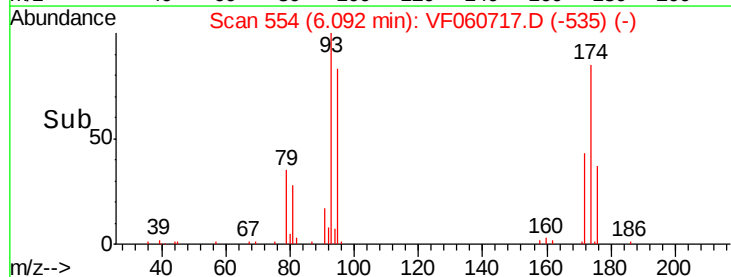
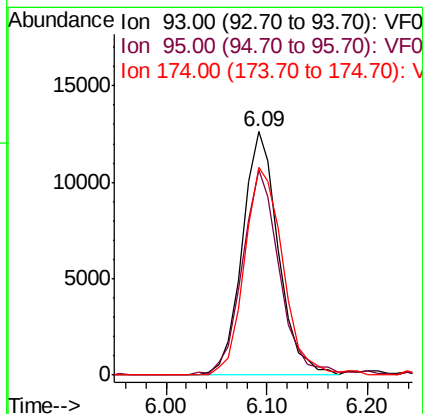
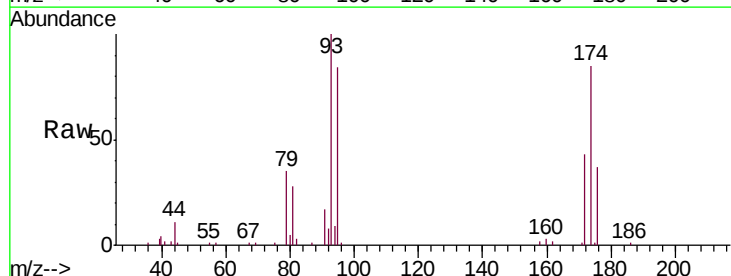
Tgt Ion: 93 Resp: 31437

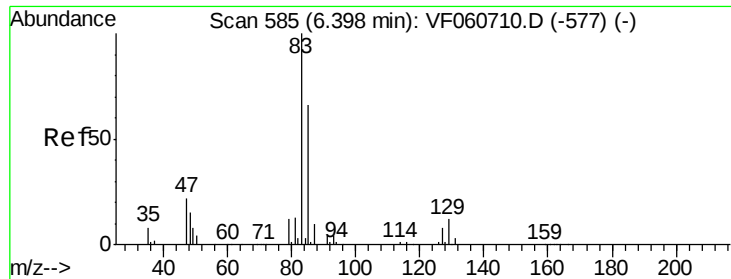
Ion Ratio Lower Upper

93 100

95 84.2 69.5 104.3

174 85.2 76.2 114.2





#47

Bromodichloromethane

Concen: 20.144 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

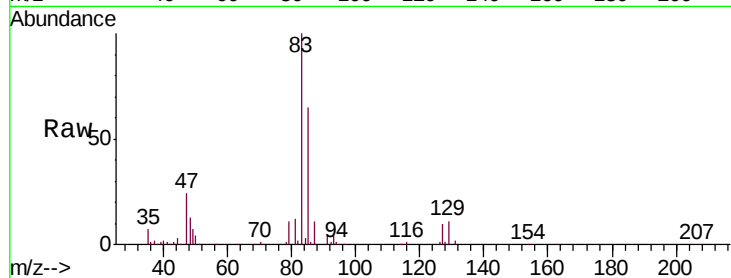
Tgt Ion: 83 Resp: 86059

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6

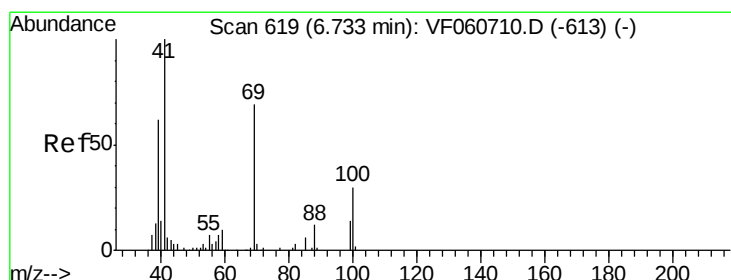
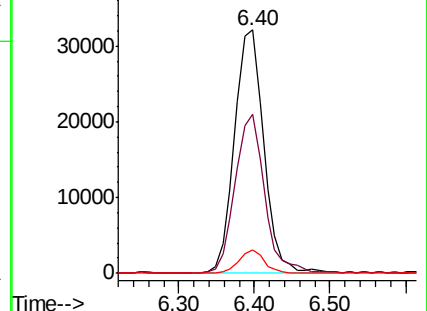
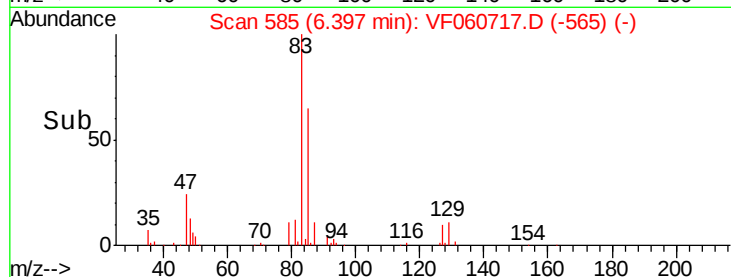
127 9.6 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.397 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

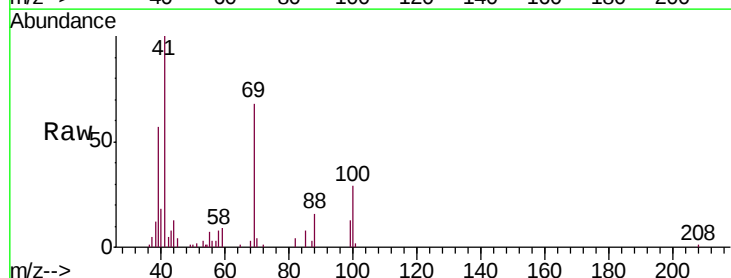
Tgt Ion: 41 Resp: 27649

Ion Ratio Lower Upper

41 100

69 67.8 54.9 82.3

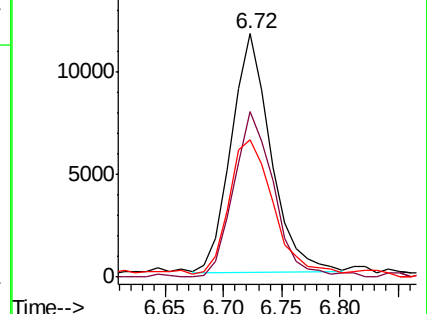
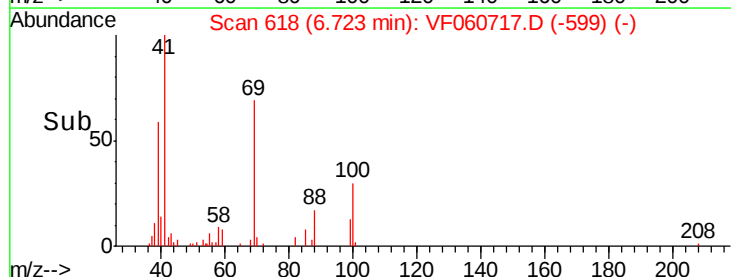
39 56.6 49.6 74.4

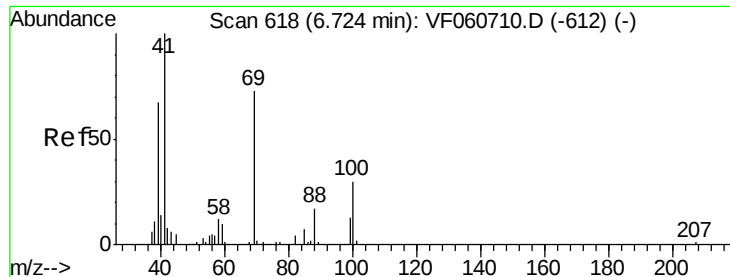


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 442.508 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

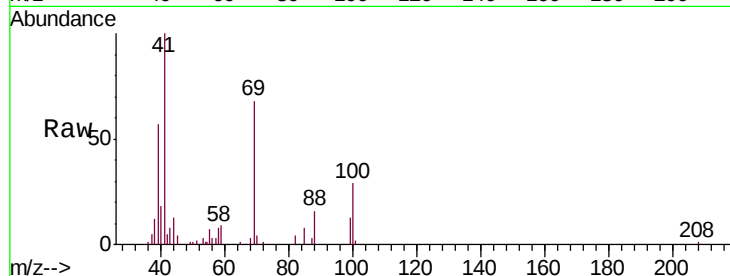
Tgt Ion: 88 Resp: 5899

Ion Ratio Lower Upper

88 100

43 49.9 44.6 66.8

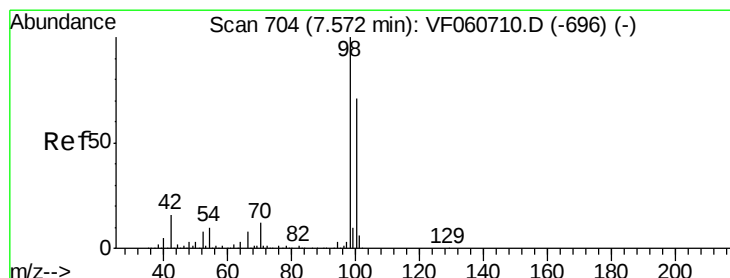
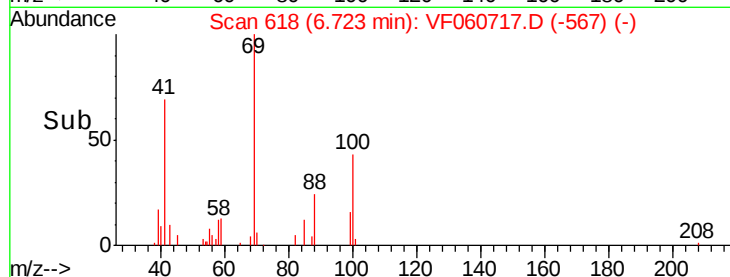
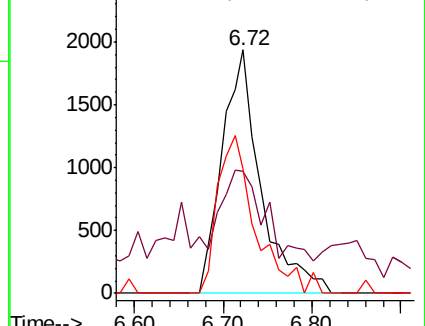
58 51.3 54.5 81.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.321 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060717.D

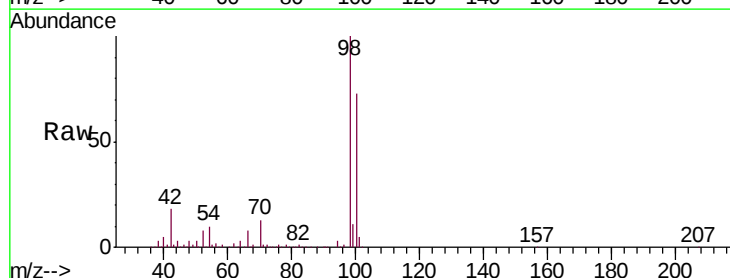
Acq: 13 Nov 2018 19:36

Tgt Ion: 98 Resp: 345317

Ion Ratio Lower Upper

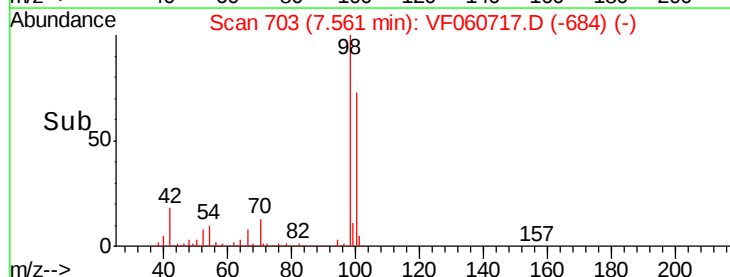
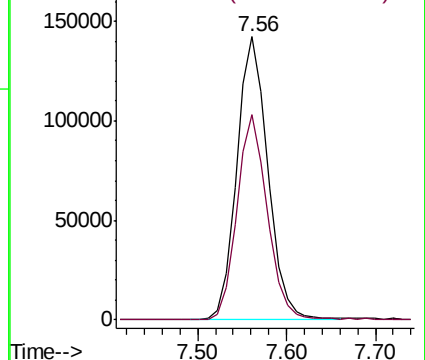
98 100

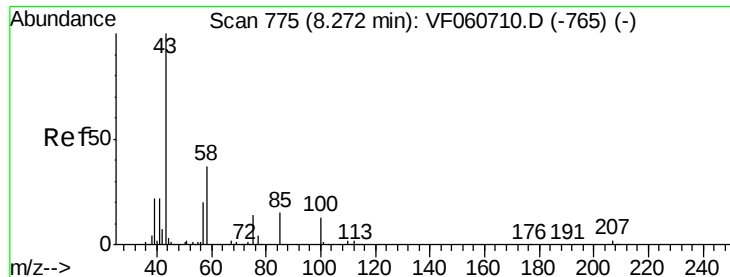
100 72.6 56.5 84.7



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: 103.481 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

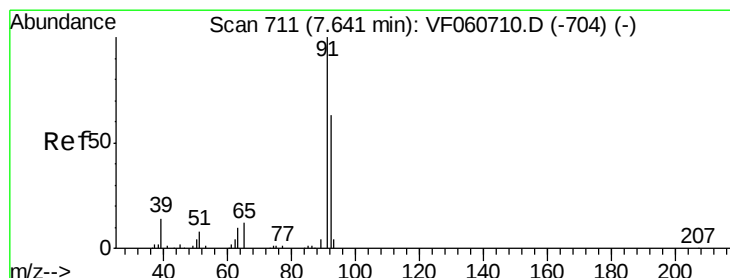
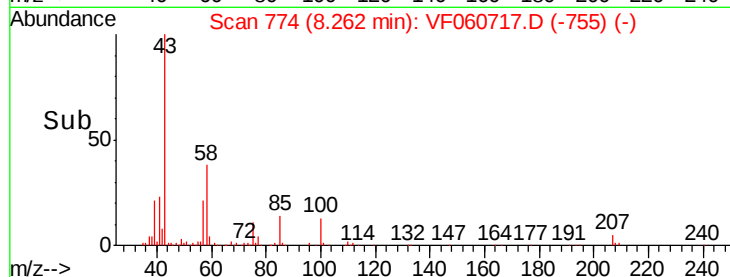
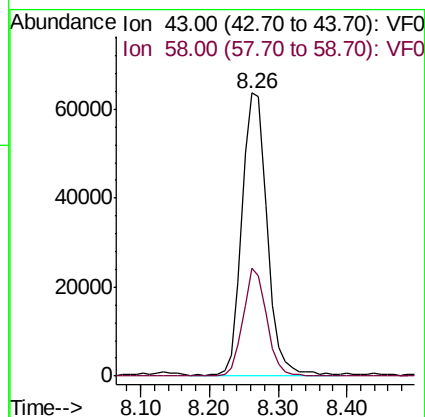
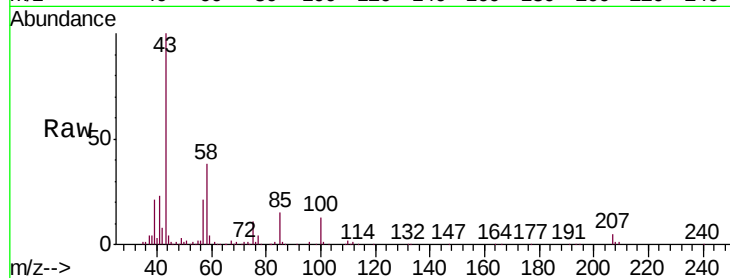
VF1113SBS02

Tgt Ion: 43 Resp: 161192

Ion Ratio Lower Upper

43 100

58 38.1 29.2 43.8



#52

Toluene

Concen: 19.365 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060717.D

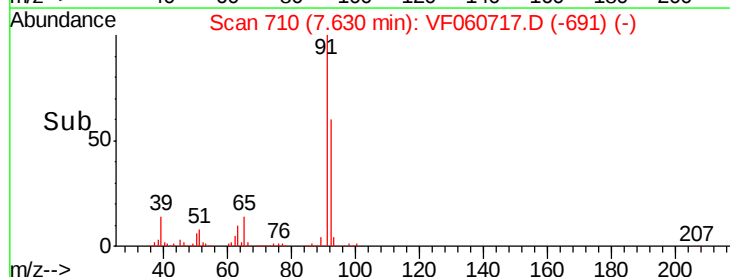
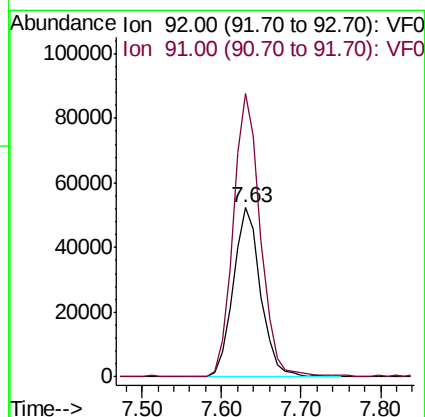
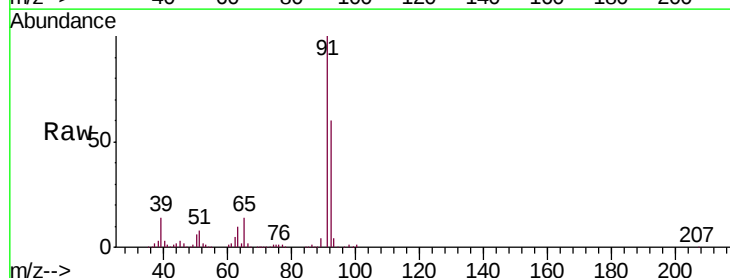
Acq: 13 Nov 2018 19:36

Tgt Ion: 92 Resp: 126393

Ion Ratio Lower Upper

92 100

91 167.3 126.7 190.1

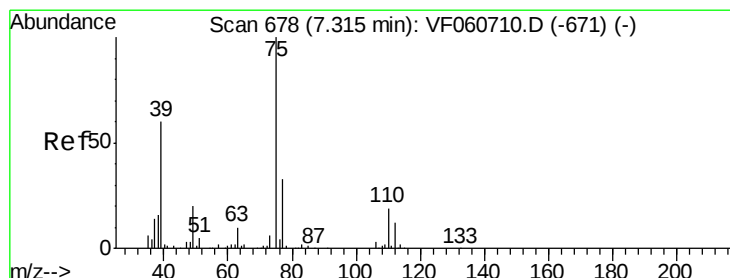
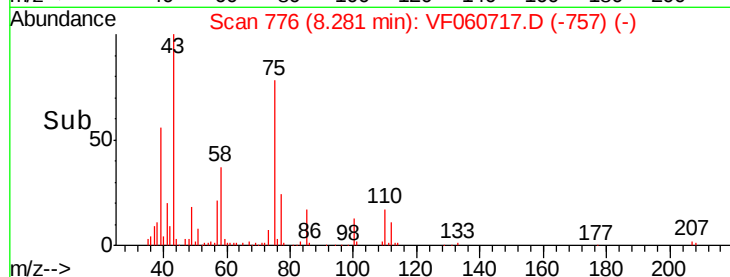
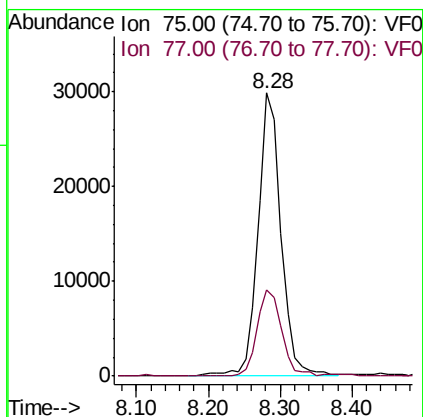
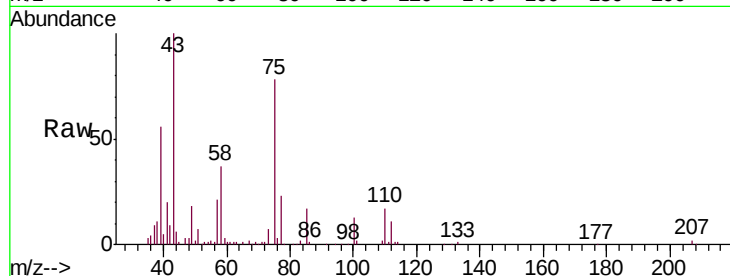




#53
 t-1,3-Dichloropropene
 Concen: 19.535 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

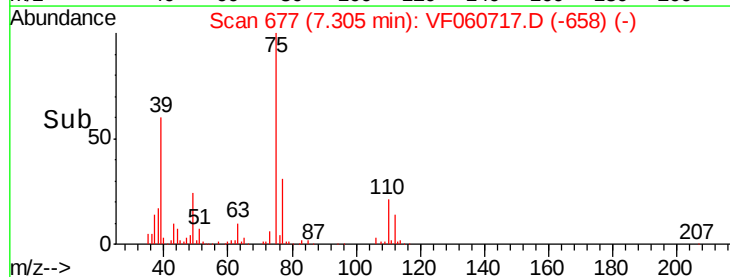
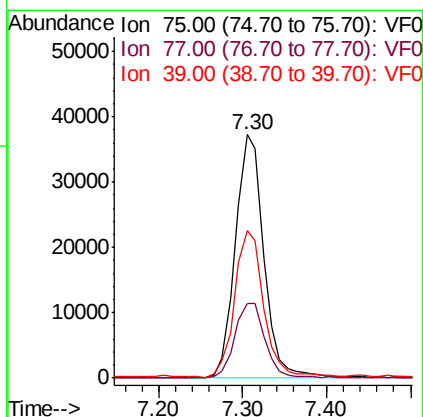
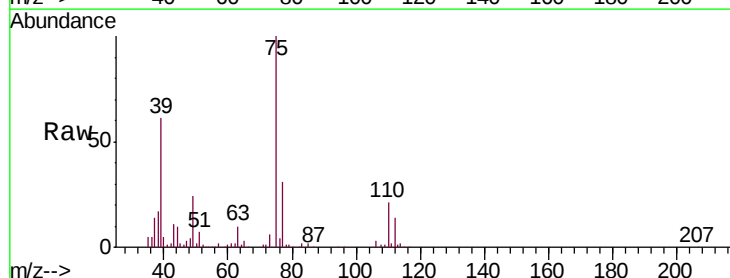
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

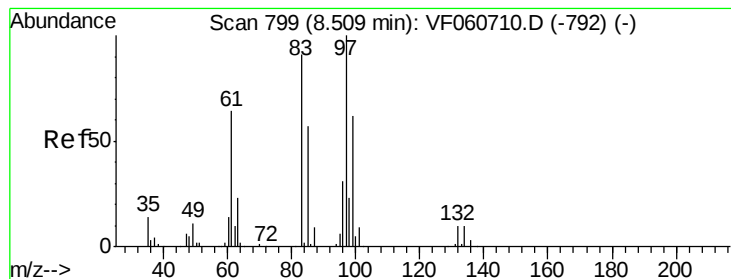
Tgt Ion: 75 Resp: 66846
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.823 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion: 75 Resp: 88109
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.5 39.7
 39 60.8 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 20.020 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

Tgt Ion: 97 Resp: 37334

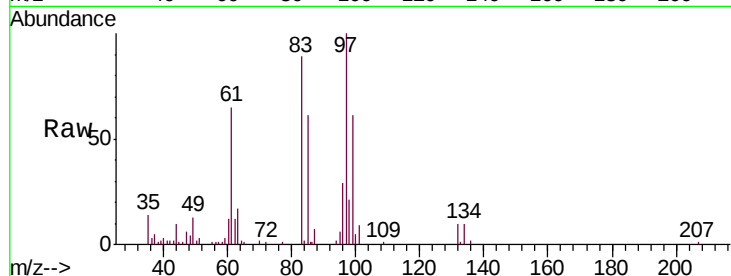
Ion Ratio Lower Upper

97 100

83 88.7 72.8 109.2

85 61.2 45.8 68.6

99 61.3 49.4 74.0



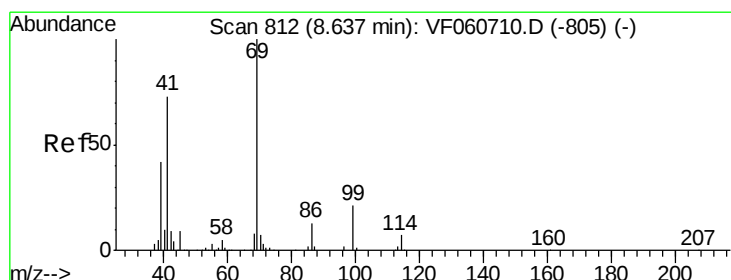
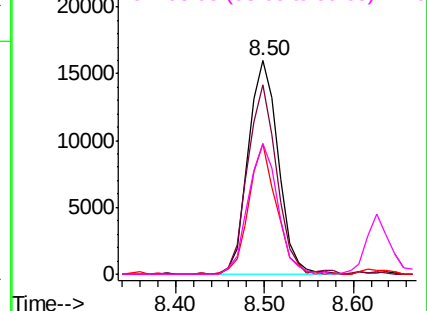
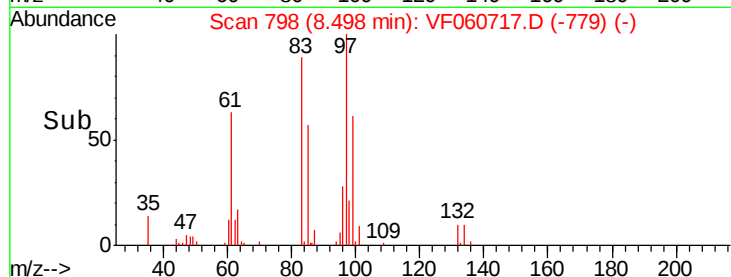
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.463 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

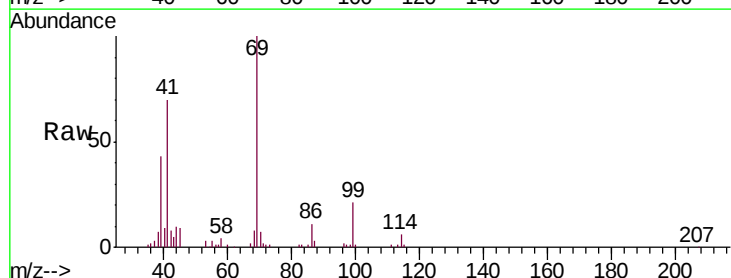
Tgt Ion: 69 Resp: 43339

Ion Ratio Lower Upper

69 100

41 70.1 59.0 88.6

39 42.5 34.0 51.0

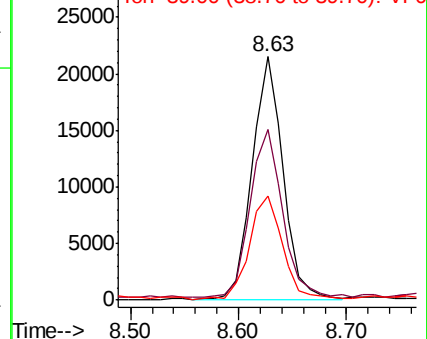
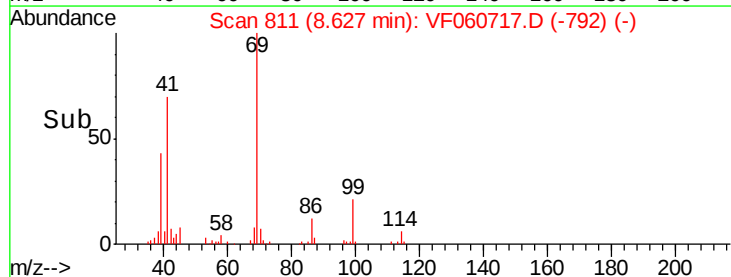


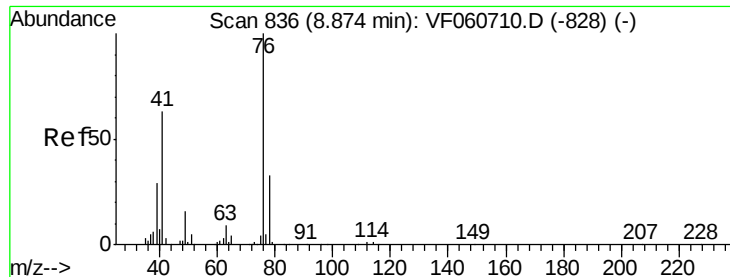
Abundance

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





#57

1,3-Dichloropropane

Concen: 19.284 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

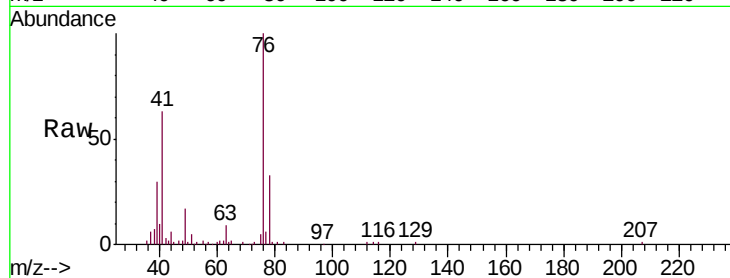
VF1113SBS02

Tgt Ion: 76 Resp: 62324

Ion Ratio Lower Upper

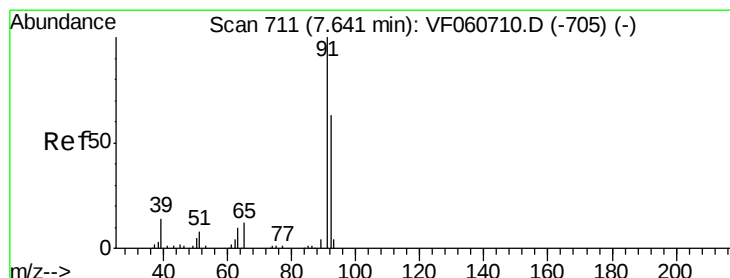
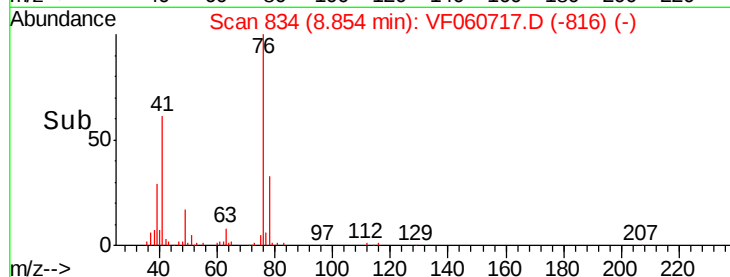
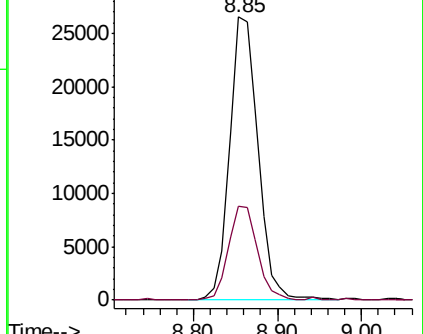
76 100

78 33.2 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 102.767 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060717.D

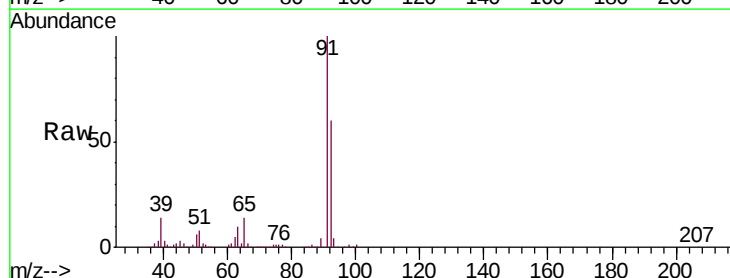
Acq: 13 Nov 2018 19:36

Tgt Ion: 63 Resp: 19882

Ion Ratio Lower Upper

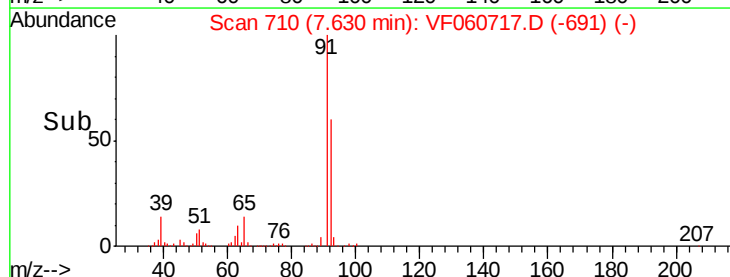
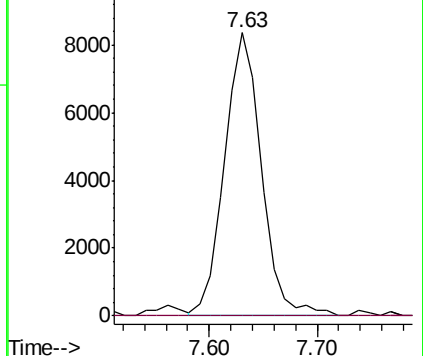
63 100

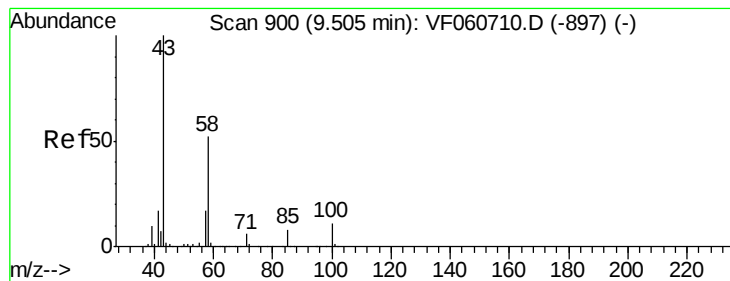
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 105.484 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

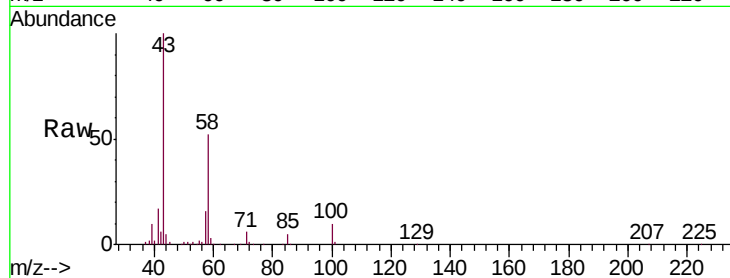
VF1113SBS02

Tgt Ion: 43 Resp: 115474

Ion Ratio Lower Upper

43 100

58 51.6 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

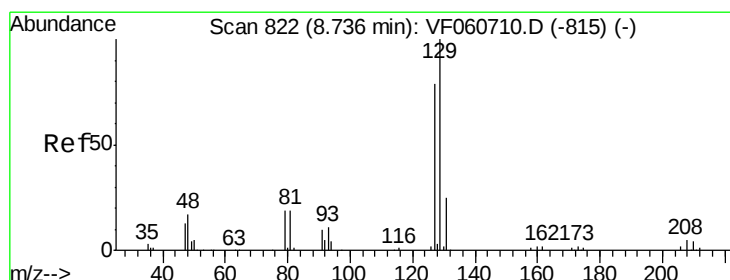
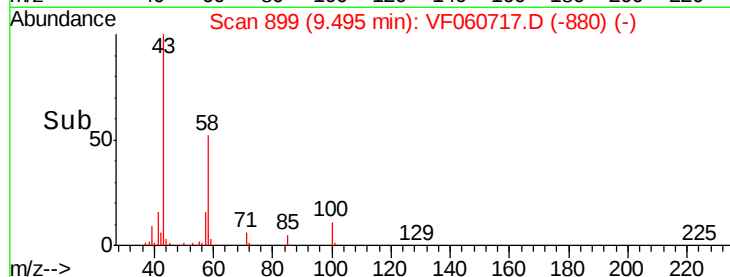
20000

10000

0

9.40 9.50 9.60

Time-->



#60

Dibromochloromethane

Concen: 19.020 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF060717.D

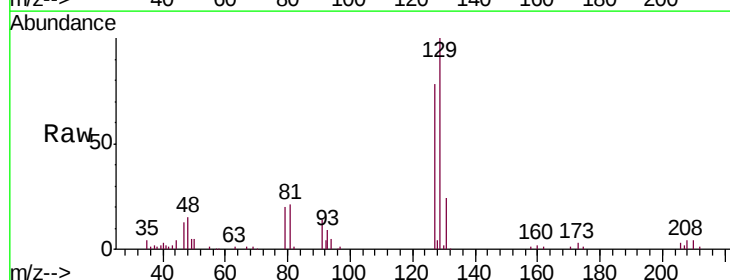
Acq: 13 Nov 2018 19:36

Tgt Ion: 129 Resp: 50549

Ion Ratio Lower Upper

129 100

127 78.0 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

25000

20000

15000

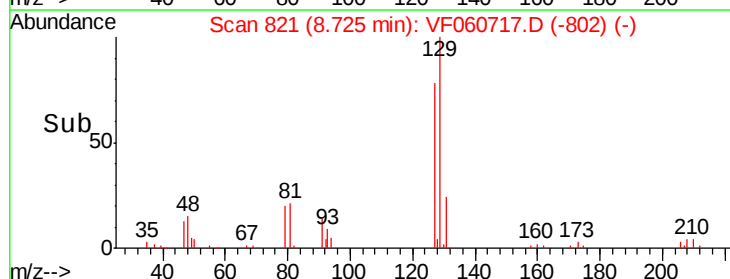
10000

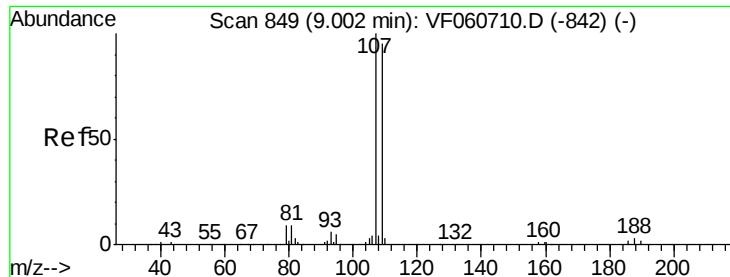
5000

0

8.60 8.70 8.80

Time-->





#61

1,2-Dibromoethane

Concen: 19.002 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

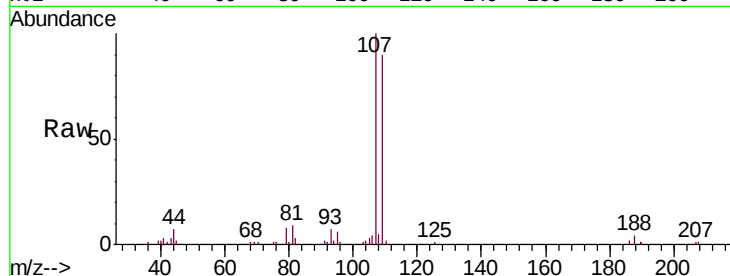
VF1113SBS02

Tgt Ion:107 Resp: 37267

Ion Ratio Lower Upper

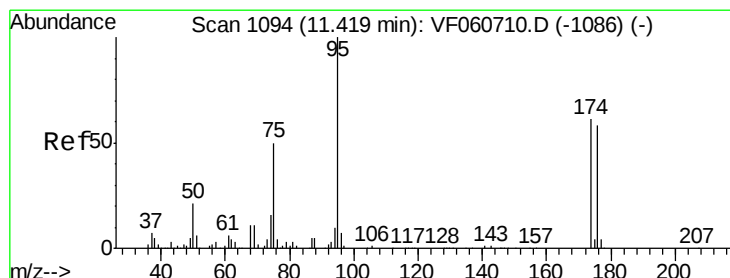
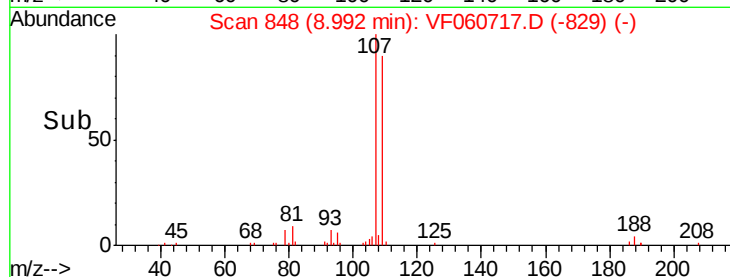
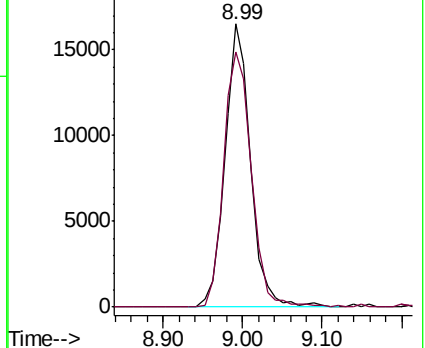
107 100

109 90.2 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.514 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

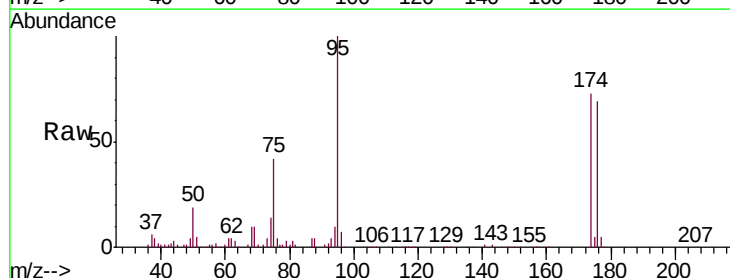
Tgt Ion: 95 Resp: 169144

Ion Ratio Lower Upper

95 100

174 73.0 0.0 121.6

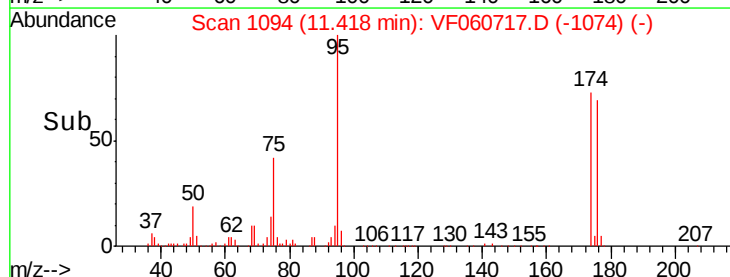
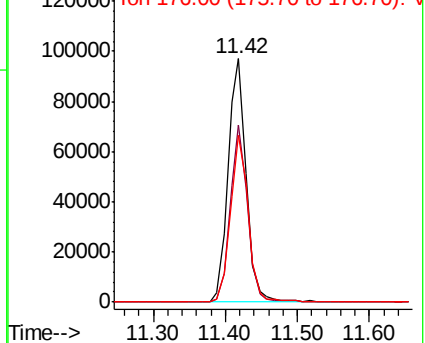
176 68.7 0.0 115.2

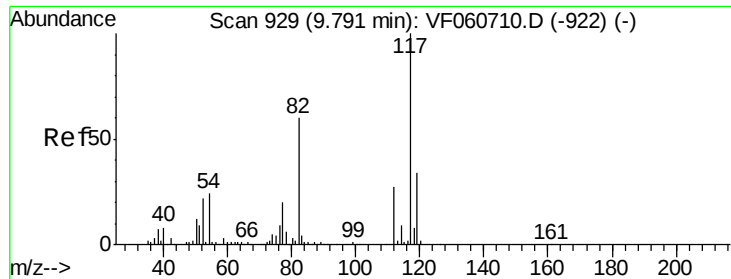


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

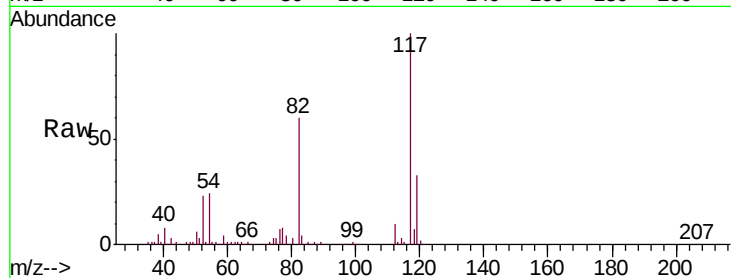




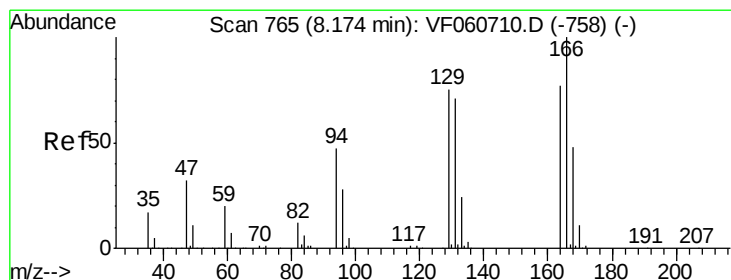
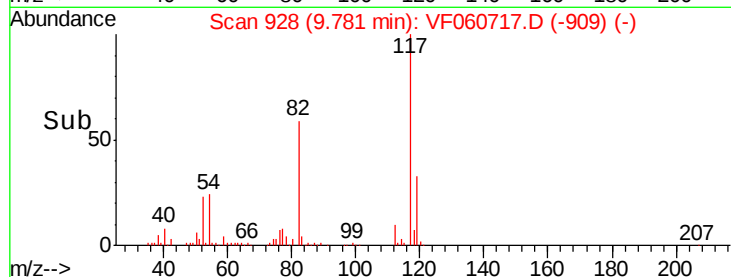
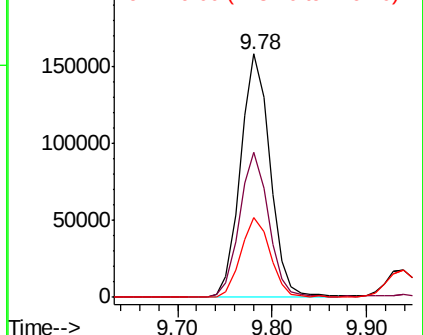
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

Tgt Ion:117 Resp: 345572
Ion Ratio Lower Upper
117 100
82 59.5 47.9 71.9
119 32.9 26.8 40.2

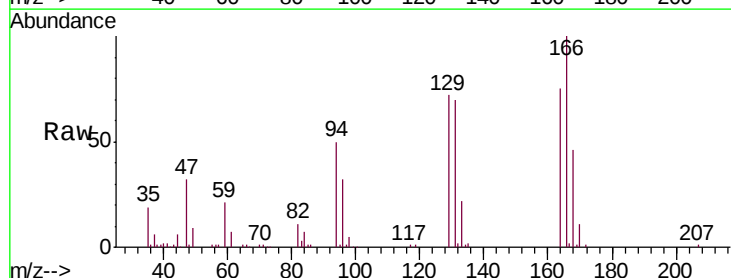


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

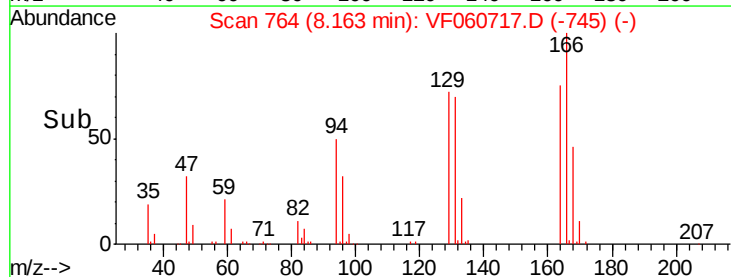
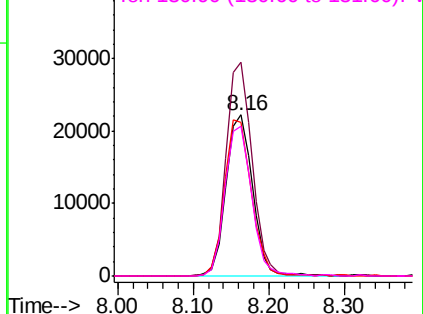


#64
Tetrachloroethene
Concen: 19.695 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion:164 Resp: 53897
Ion Ratio Lower Upper
164 100
166 132.6 103.5 155.3
129 95.1 77.4 116.2
131 92.7 73.5 110.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

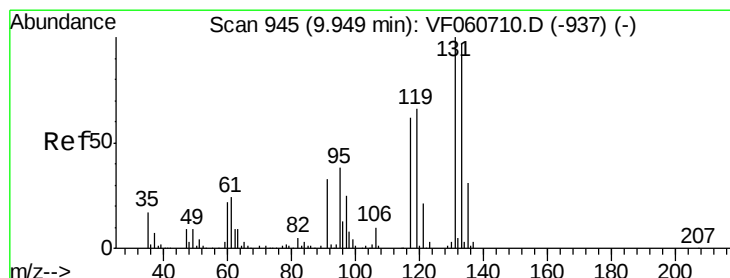
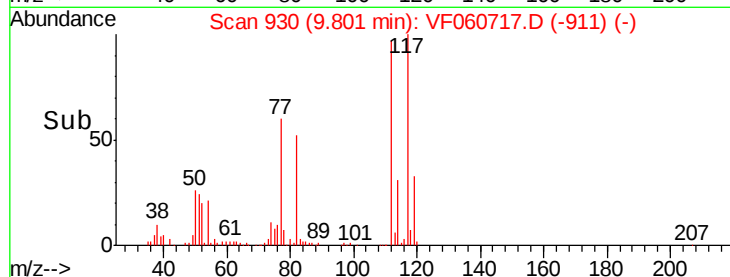
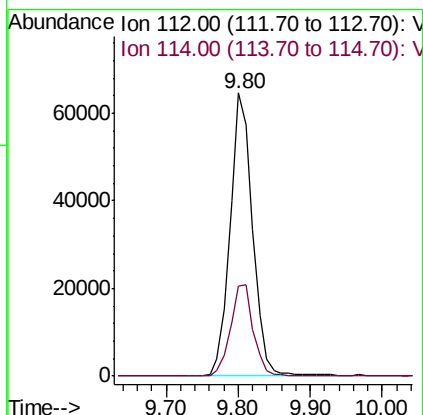
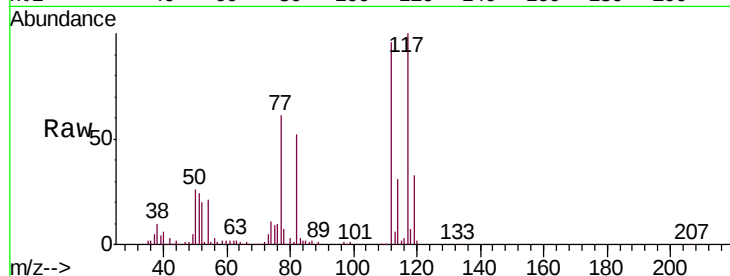




#65
Chlorobenzene
Concen: 20.214 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

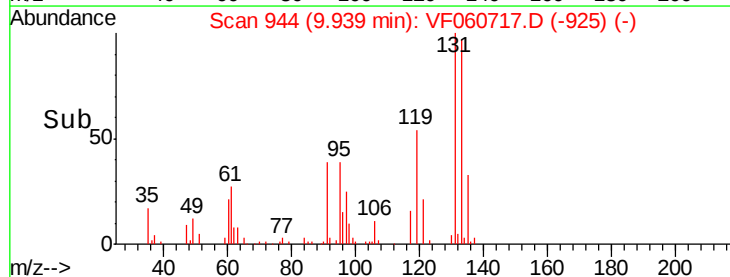
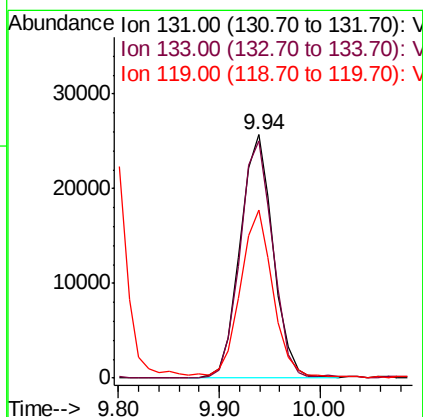
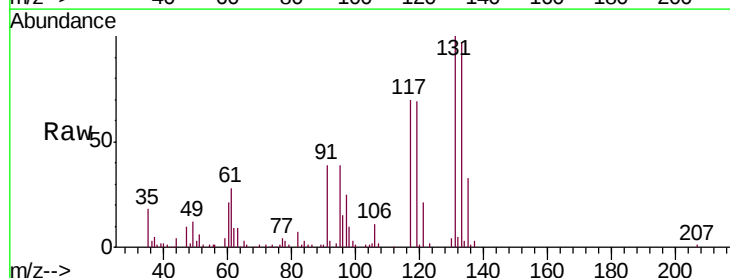
Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

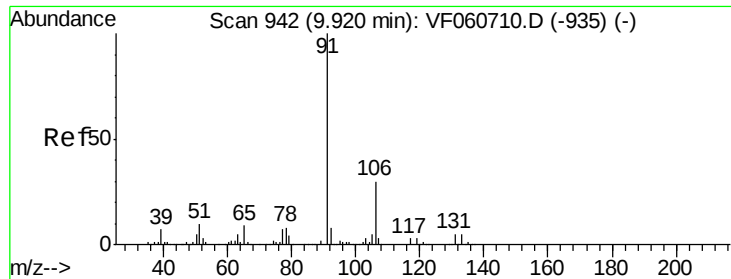
Tgt Ion:112 Resp: 140962
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.275 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion:131 Resp: 58626
Ion Ratio Lower Upper
131 100
133 97.2 48.3 144.8
119 68.9 33.2 99.6





#67

Ethyl Benzene

Concen: 20.086 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

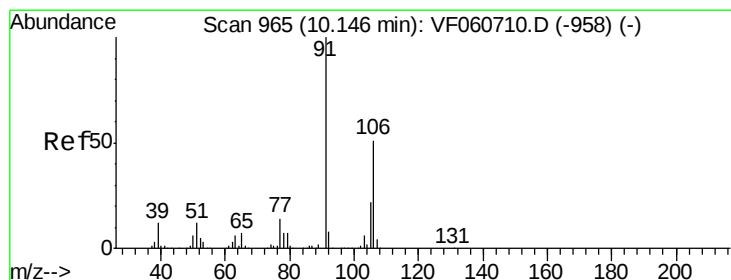
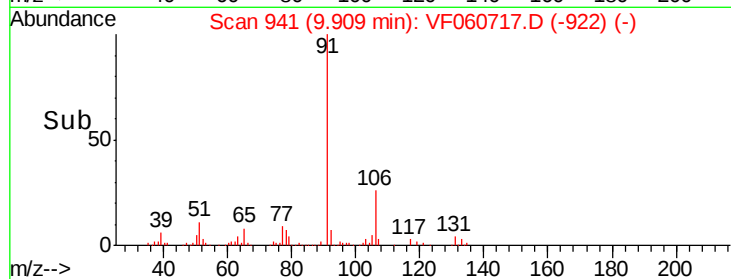
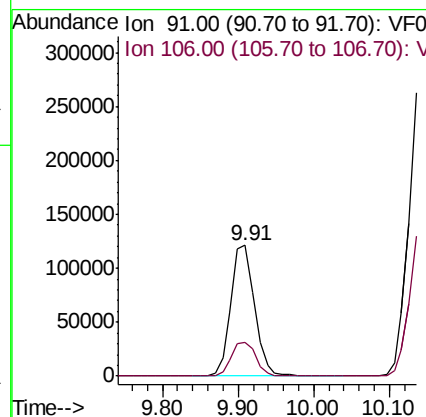
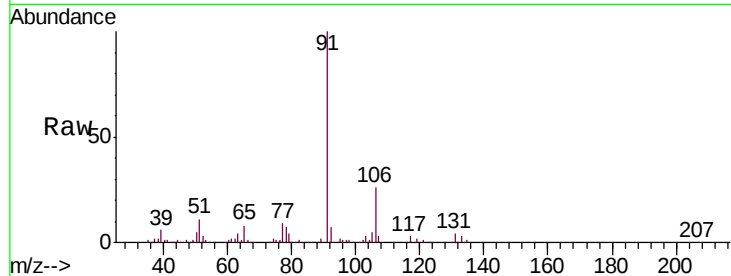
VF1113SBS02

Tgt Ion: 91 Resp: 264017

Ion Ratio Lower Upper

91 100

106 26.0 23.9 35.9



#68

m/p-Xylenes

Concen: 46.886 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060717.D

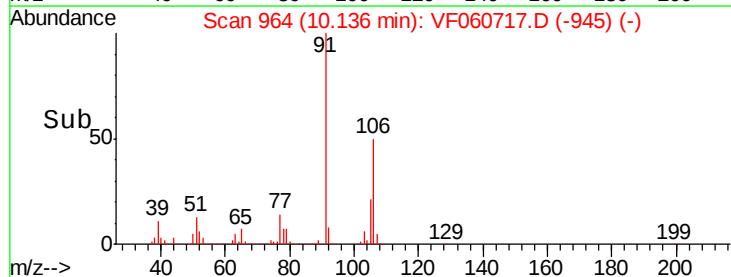
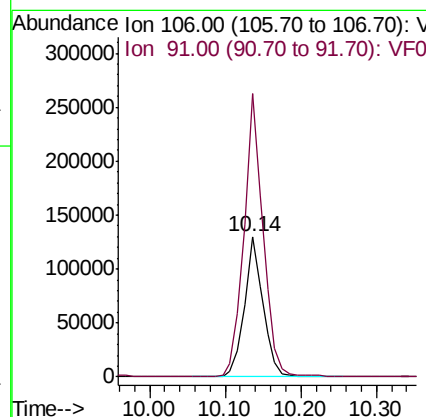
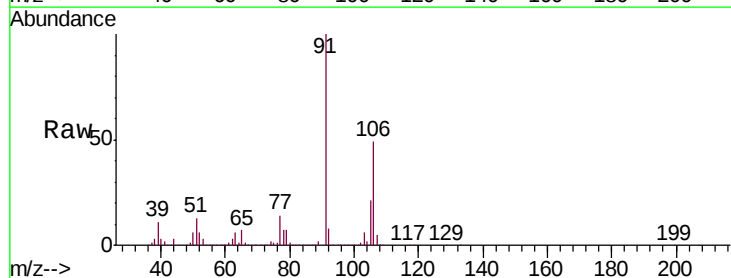
Acq: 13 Nov 2018 19:36

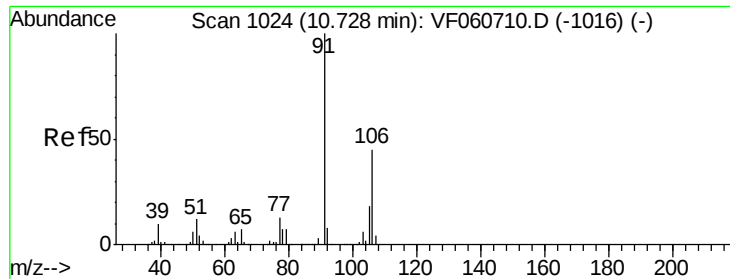
Tgt Ion: 106 Resp: 220243

Ion Ratio Lower Upper

106 100

91 202.2 158.2 237.2

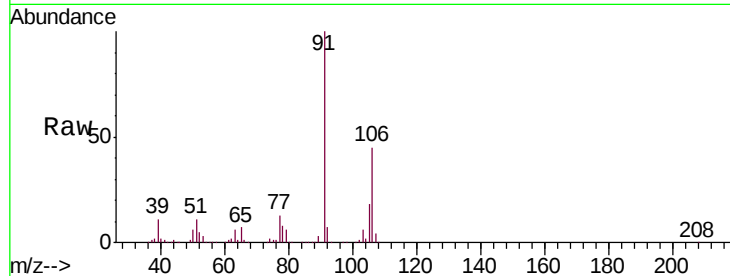




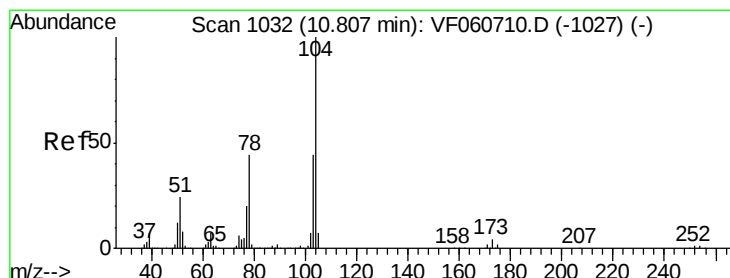
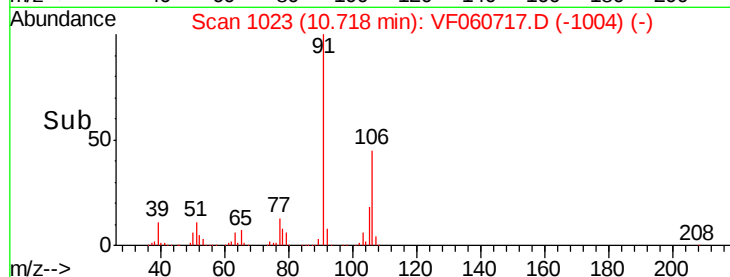
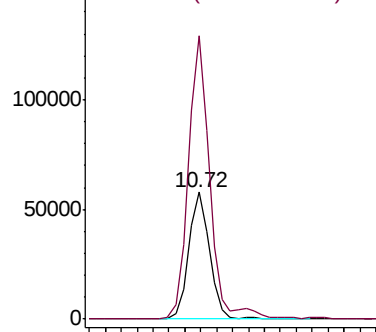
#69
o-Xylene
Concen: 20.394 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

Tgt Ion:106 Resp: 107707
Ion Ratio Lower Upper
106 100
91 222.7 110.3 330.9

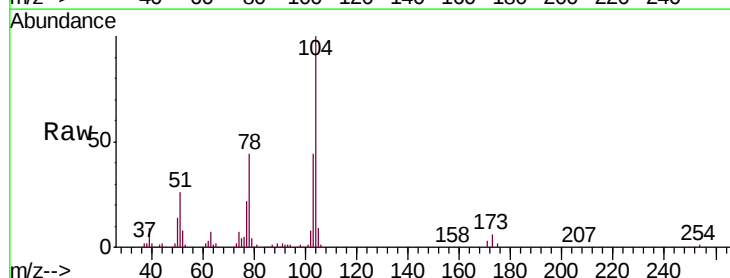


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

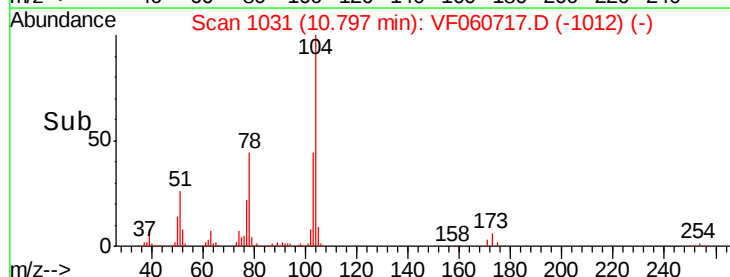
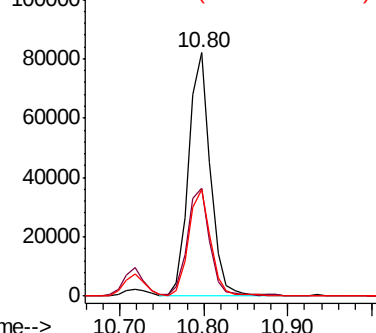


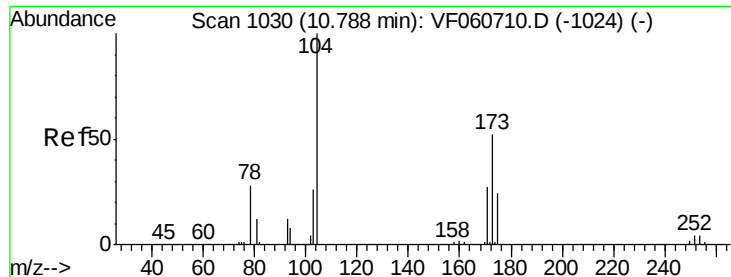
#70
Styrene
Concen: 20.513 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion:104 Resp: 147024
Ion Ratio Lower Upper
104 100
78 44.1 35.4 53.2
103 43.6 35.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V

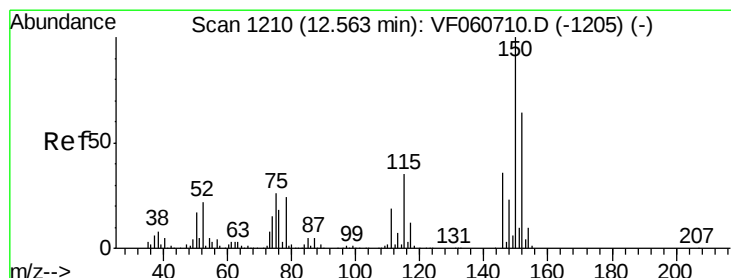
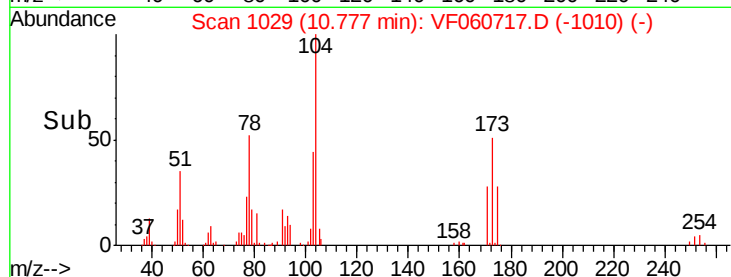
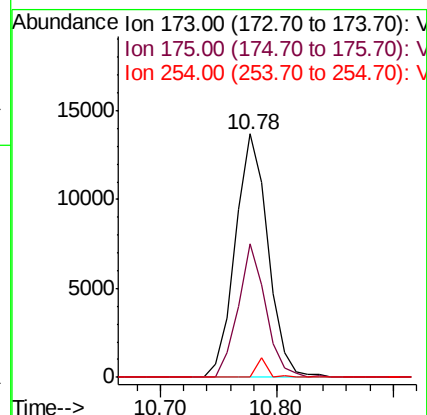
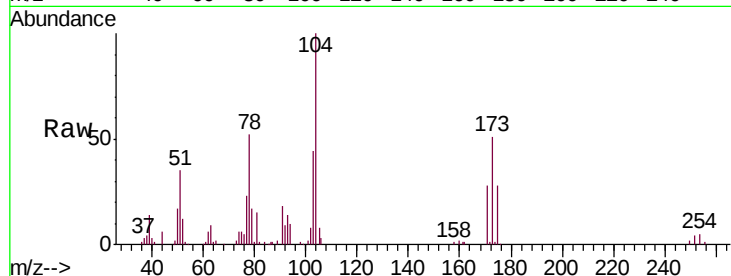




#71
Bromoform
Concen: 19.436 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

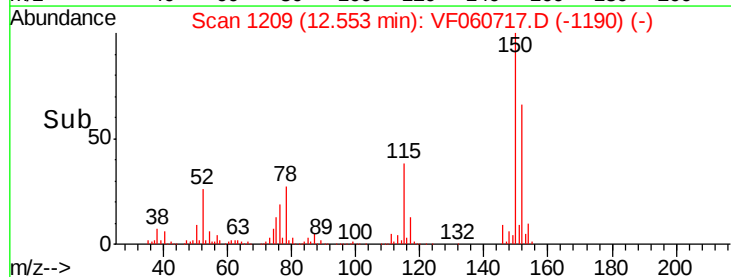
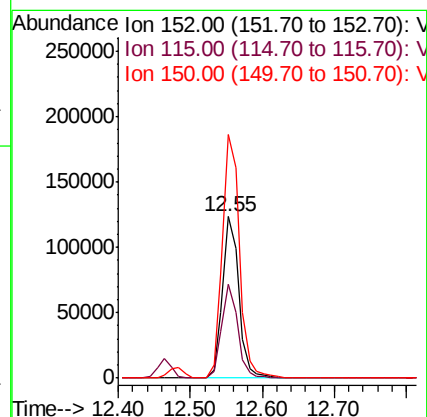
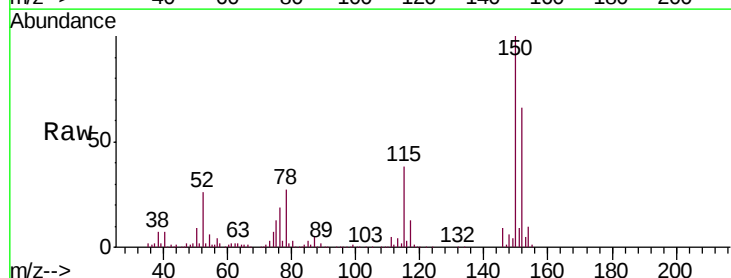
Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

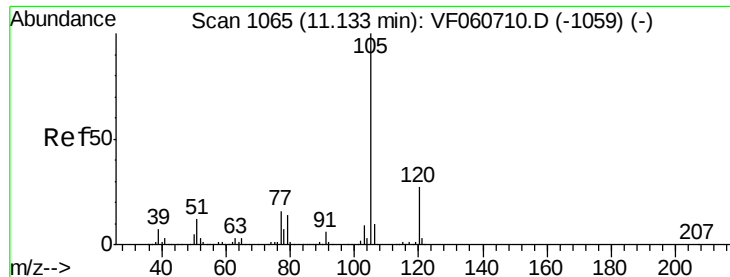
Tgt Ion:173 Resp: 26583
Ion Ratio Lower Upper
173 100
175 55.1 23.4 70.0
254 0.0 5.8 8.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion:152 Resp: 192511
Ion Ratio Lower Upper
152 100
115 57.8 27.9 83.7
150 150.6 0.0 316.4





#73

Isopropylbenzene

Concen: 21.058 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

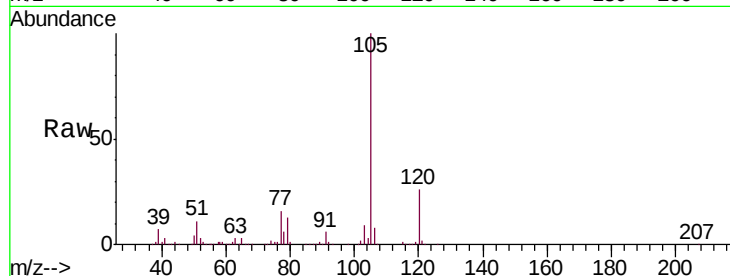
VF1113SBS02

Tgt Ion:105 Resp: 326310

Ion Ratio Lower Upper

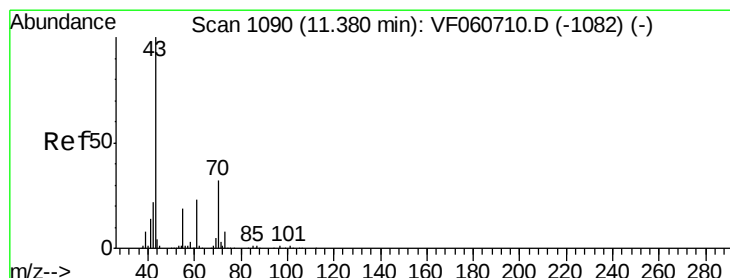
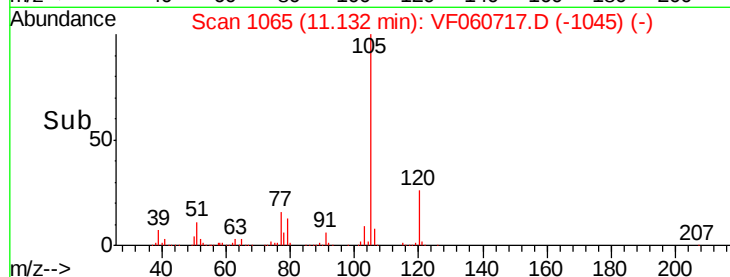
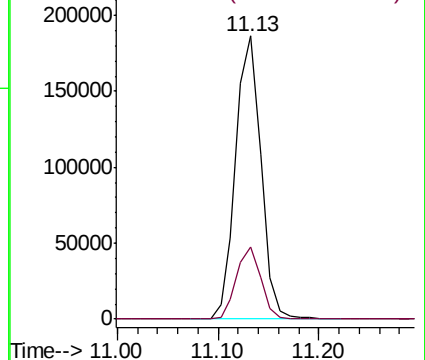
105 100

120 25.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.694 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Tgt Ion: 43 Resp: 76529

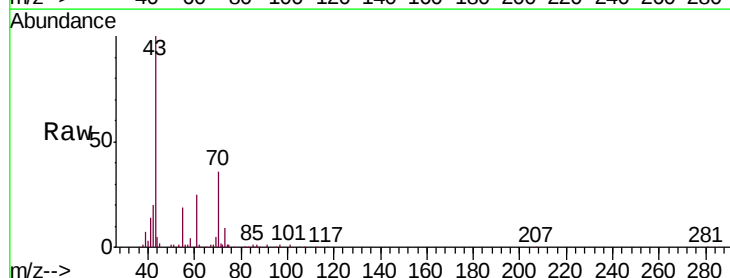
Ion Ratio Lower Upper

43 100

70 36.3 25.5 38.3

55 18.7 14.9 22.3

61 24.5 18.6 27.8

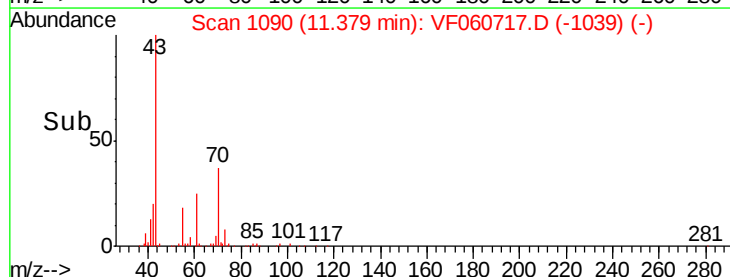
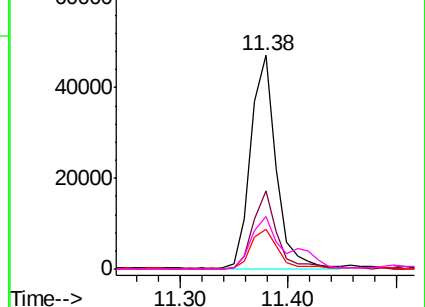


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.976 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

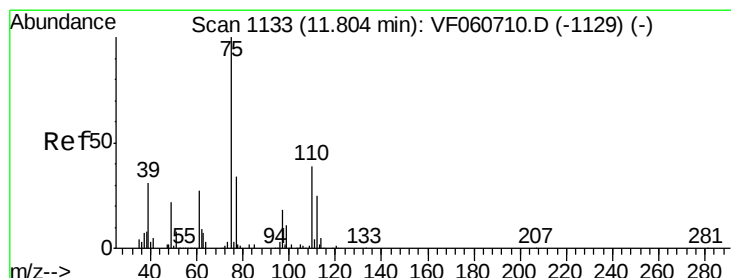
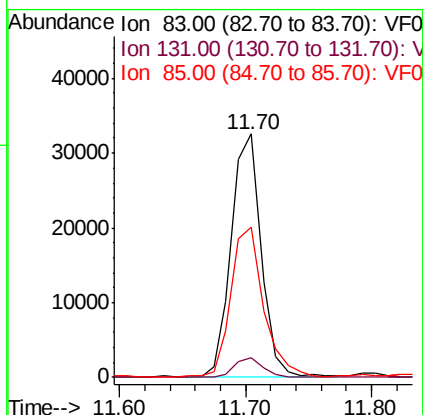
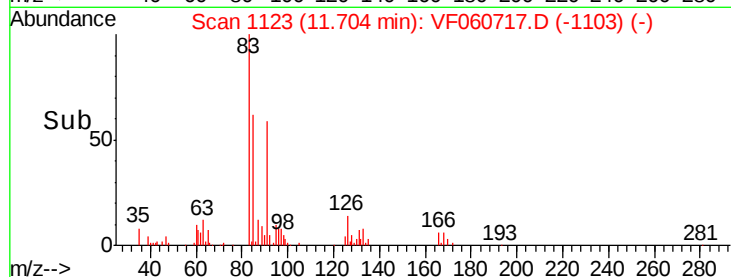
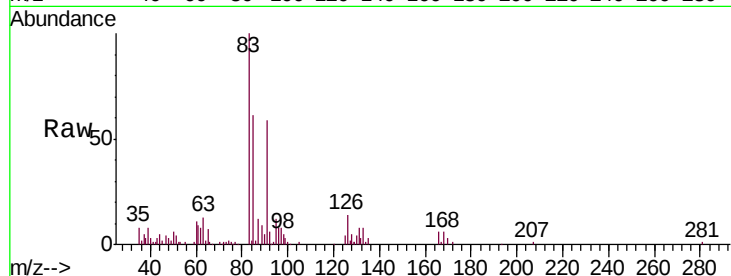
Tgt Ion: 83 Resp: 53738

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

85 61.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 18.826 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060717.D

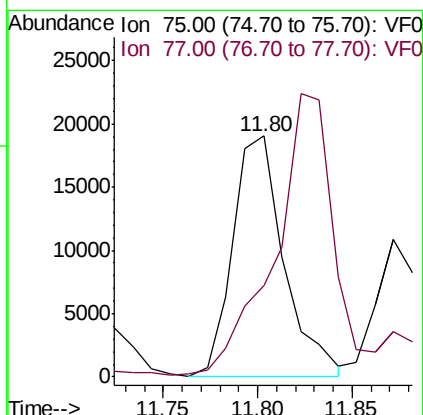
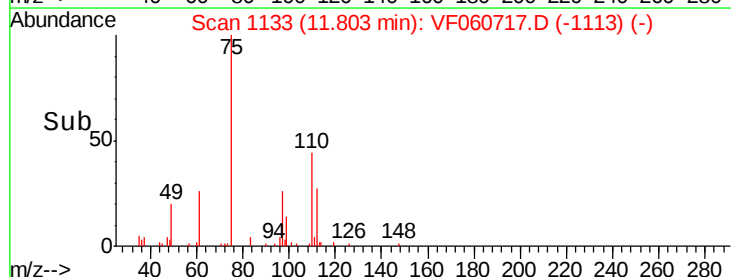
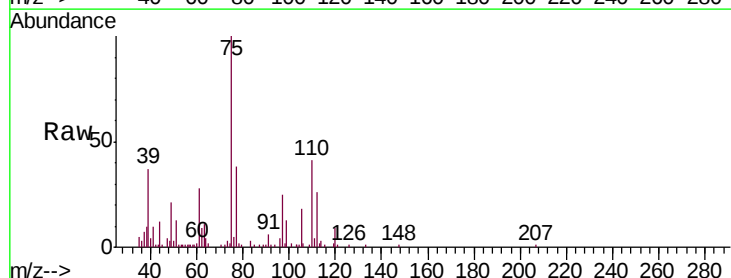
Acq: 13 Nov 2018 19:36

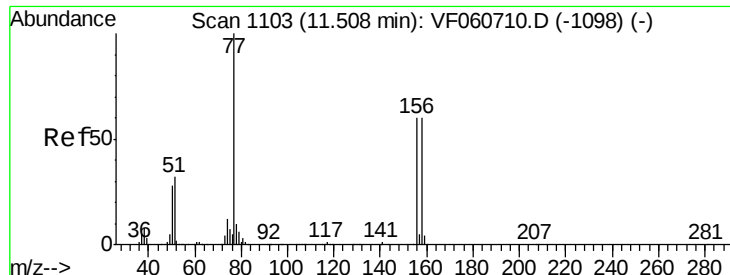
Tgt Ion: 75 Resp: 35821

Ion Ratio Lower Upper

75 100

77 38.1 17.0 51.0





#77

Bromobenzene

Concen: 20.312 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

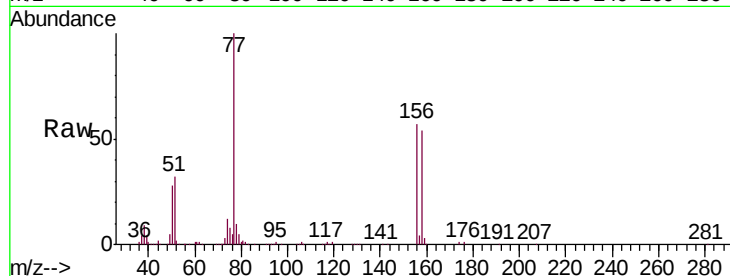
Tgt Ion:156 Resp: 65517

Ion Ratio Lower Upper

156 100

77 174.5 83.0 248.9

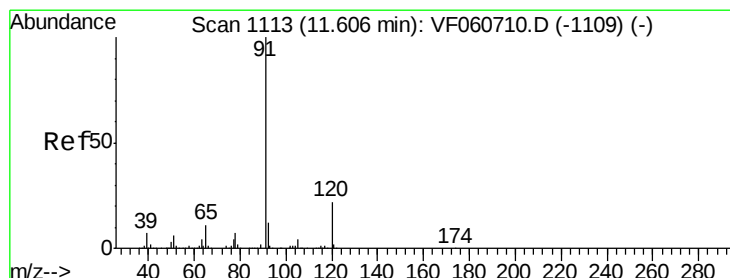
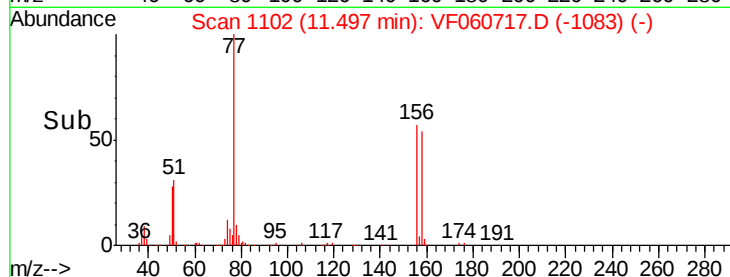
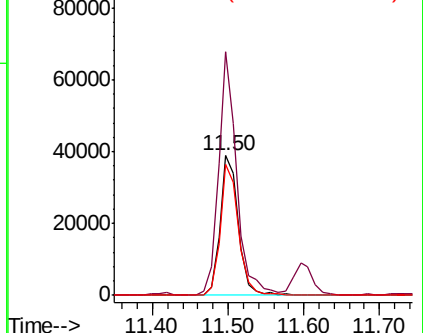
158 93.7 49.6 149.0



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: 20.491 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060717.D

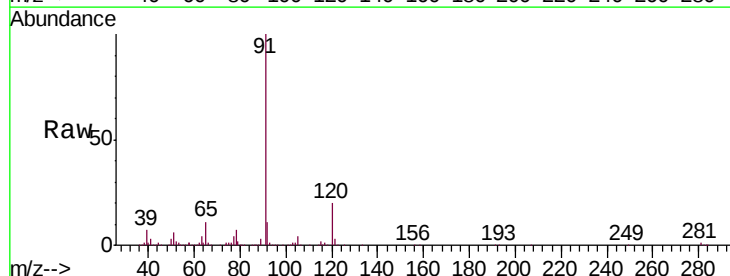
Acq: 13 Nov 2018 19:36

Tgt Ion: 91 Resp: 370327

Ion Ratio Lower Upper

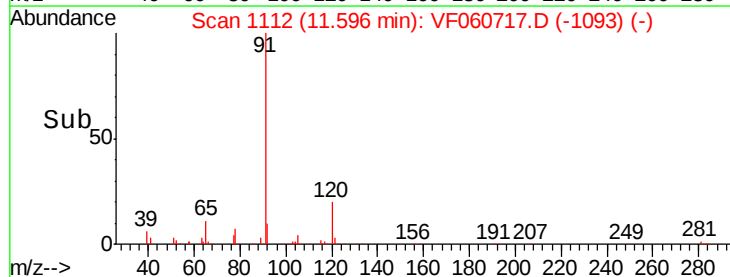
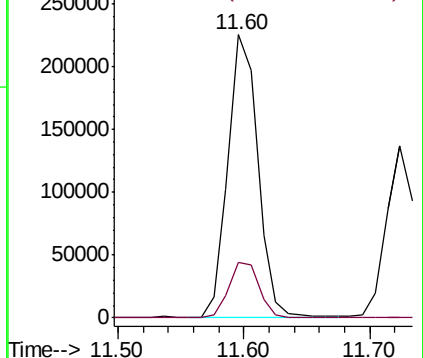
91 100

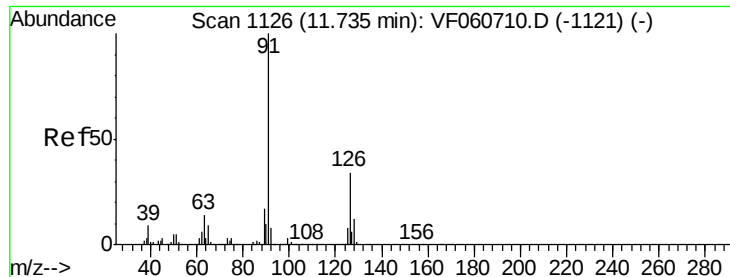
120 19.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

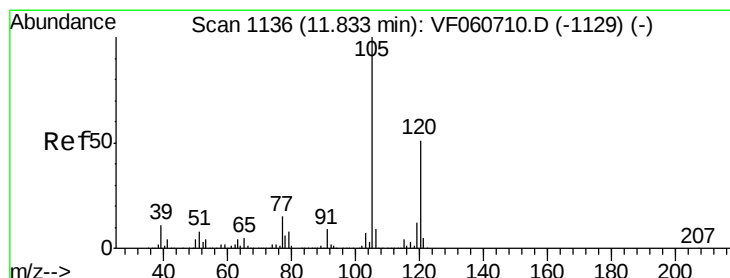
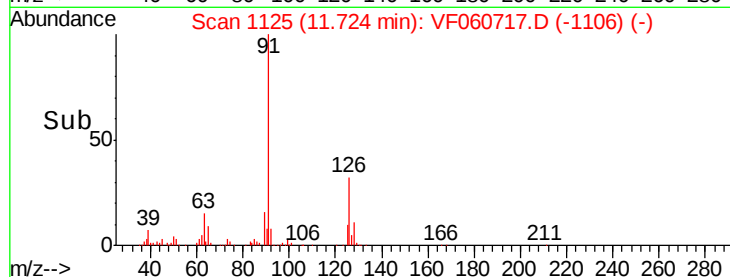
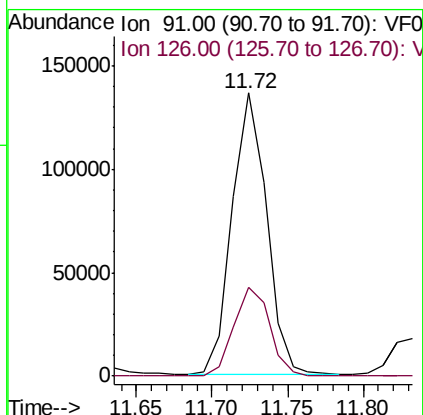
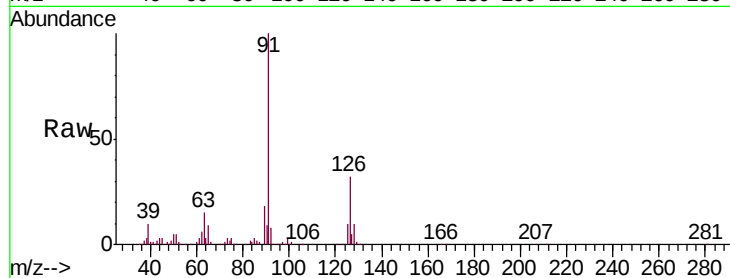




#79
 2-Chlorotoluene
 Concen: 20.547 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

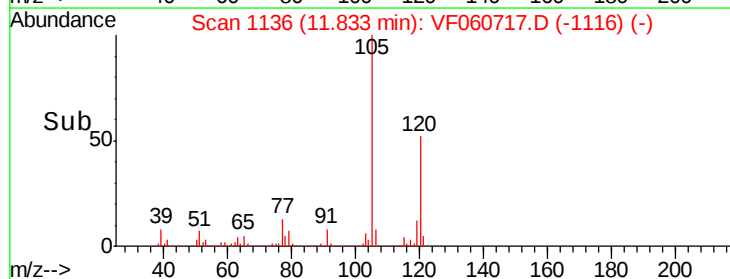
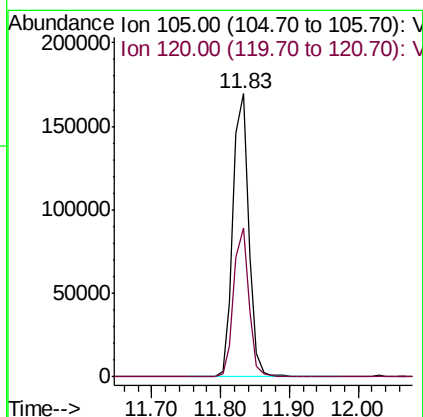
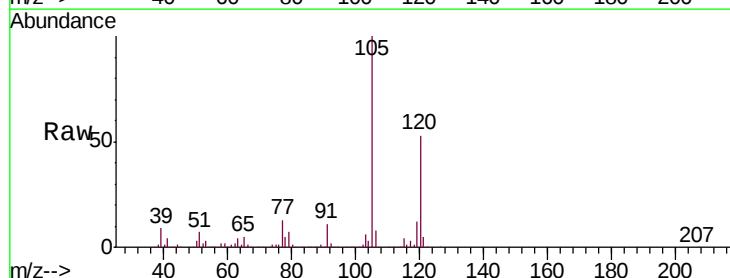
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

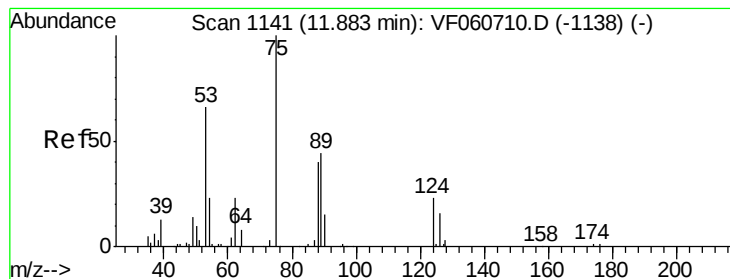
Tgt Ion: 91 Resp: 215824
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.056 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion: 105 Resp: 271340
 Ion Ratio Lower Upper
 105 100
 120 52.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 26.452 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

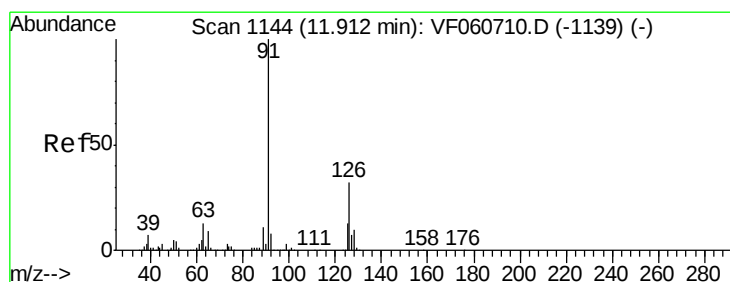
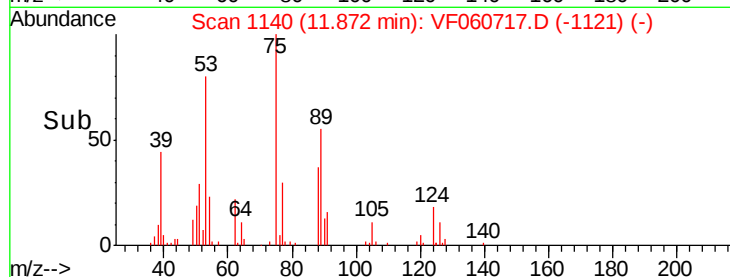
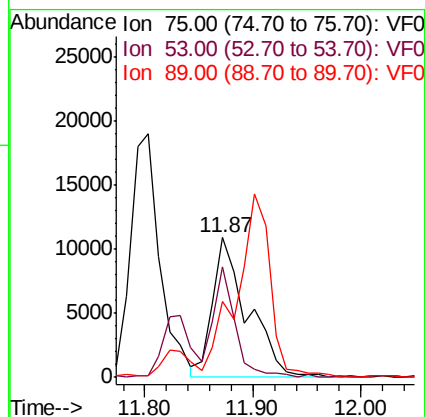
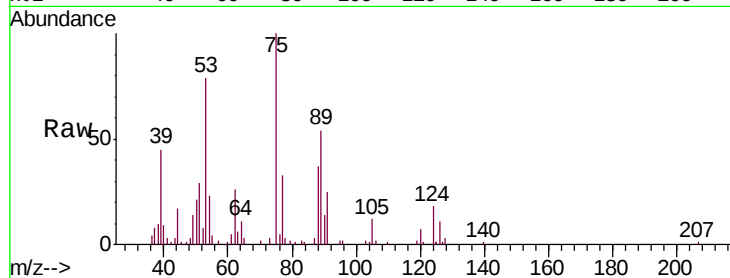
Tgt Ion: 75 Resp: 24726

Ion Ratio Lower Upper

75 100

53 78.9 57.0 85.4

89 54.3 37.8 56.8



#82

4-Chlorotoluene

Concen: 20.322 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060717.D

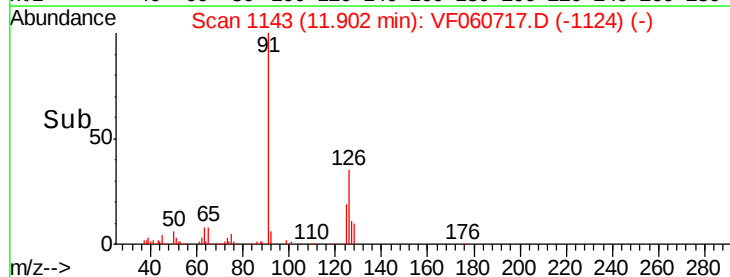
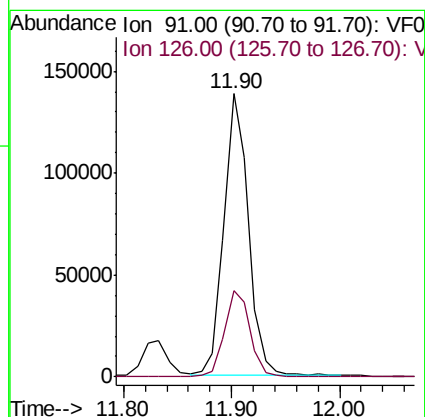
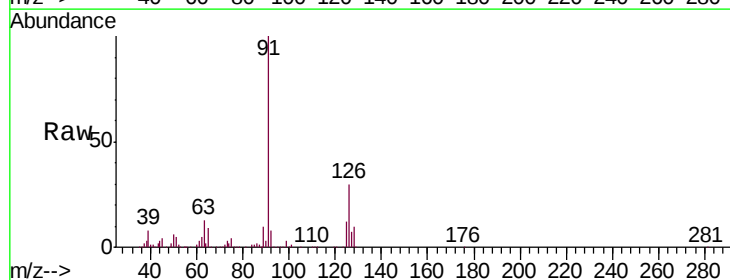
Acq: 13 Nov 2018 19:36

Tgt Ion: 91 Resp: 218681

Ion Ratio Lower Upper

91 100

126 30.3 16.0 47.9

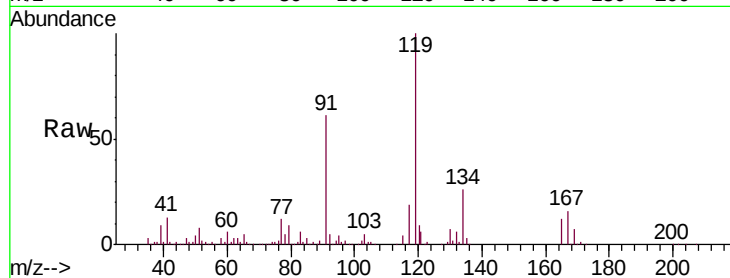




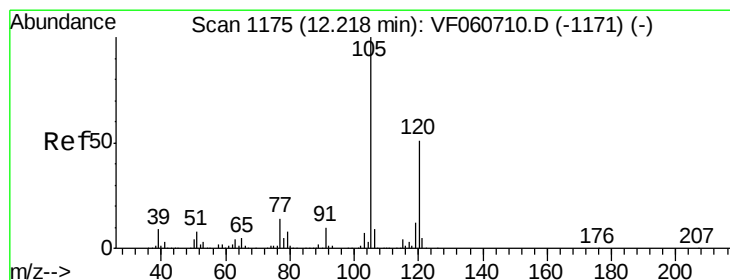
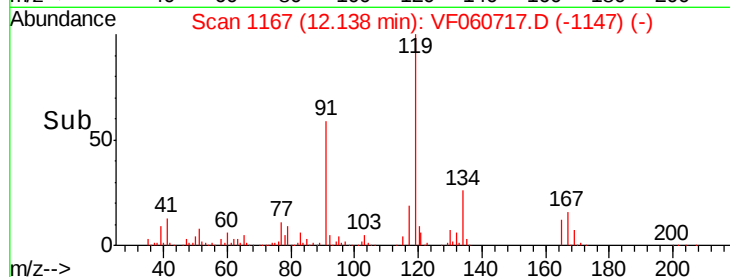
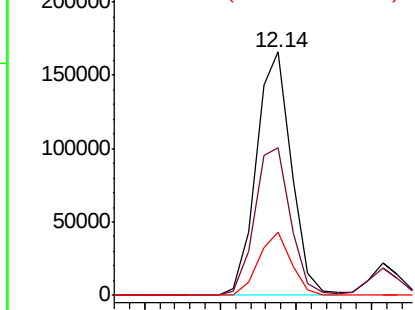
#83
 tert-Butylbenzene
 Concen: 20.604 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

Tgt Ion:119 Resp: 269137
 Ion Ratio Lower Upper
 119 100
 91 60.6 31.4 94.3
 134 25.7 12.8 38.4

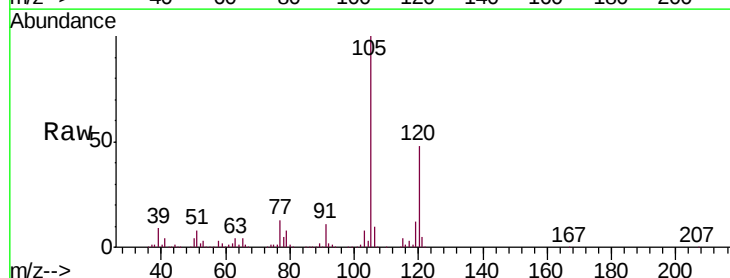


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

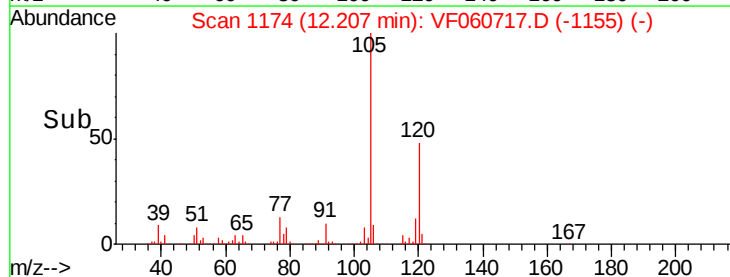
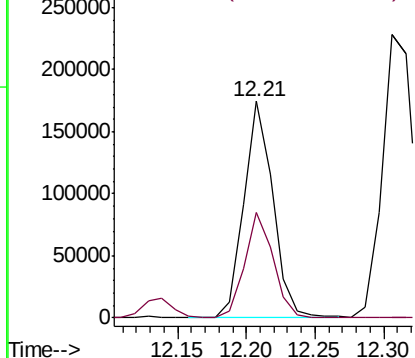


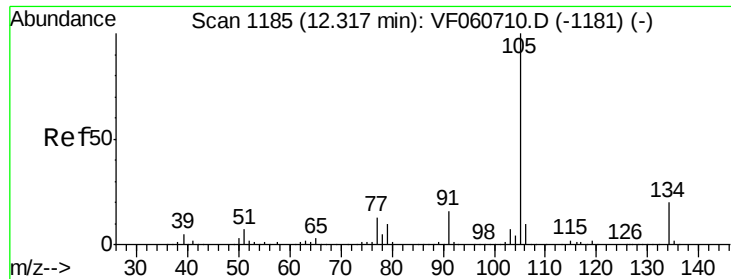
#84
 1,2,4-Trimethylbenzene
 Concen: 20.219 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion:105 Resp: 257253
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

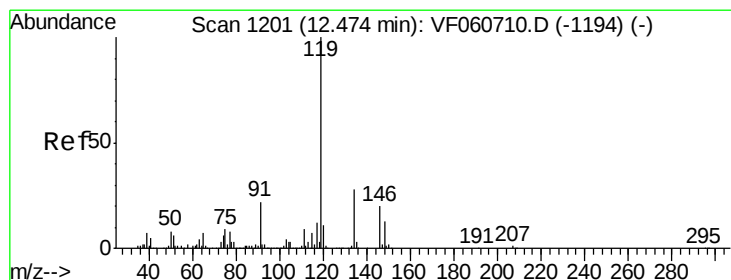
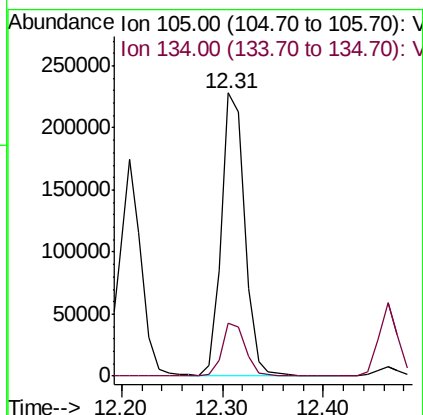
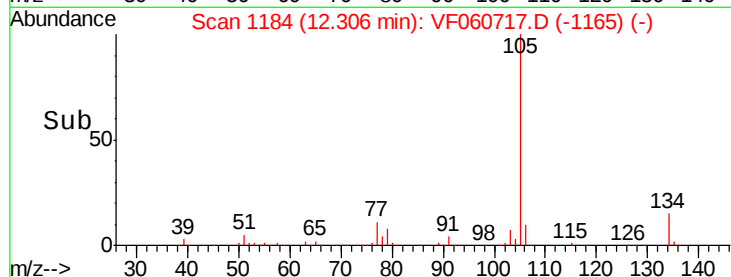
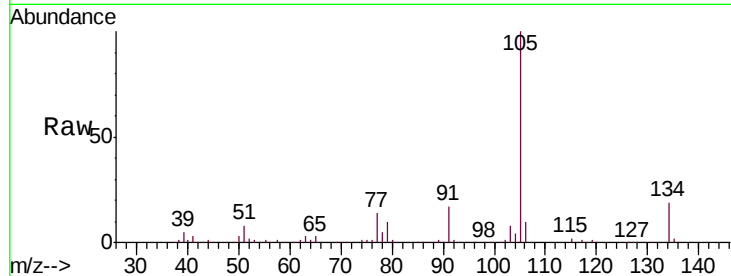




#85
 sec-Butylbenzene
 Concen: 20.738 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

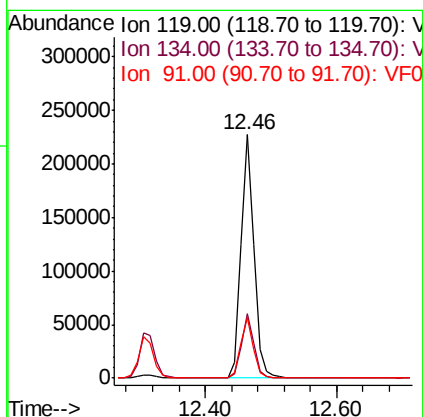
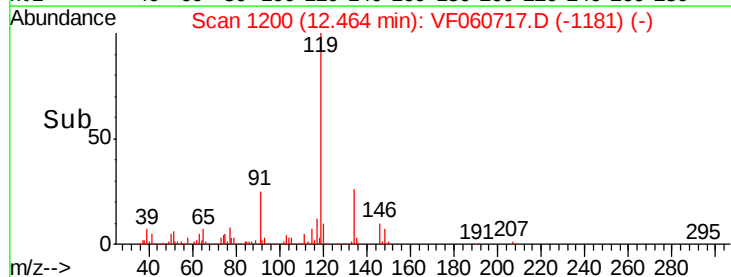
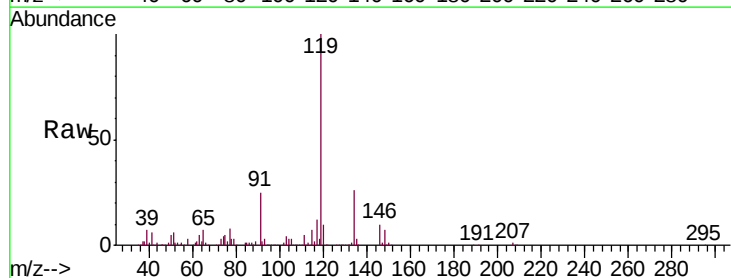
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

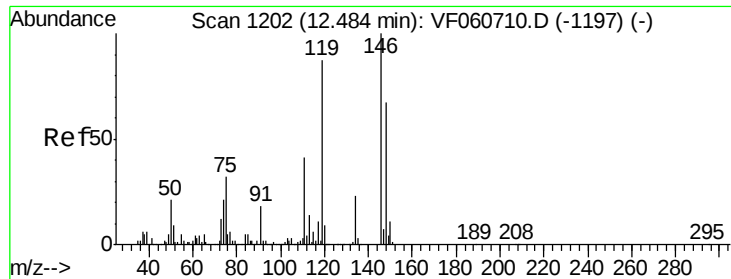
Tgt Ion:105 Resp: 367455
 Ion Ratio Lower Upper
 105 100
 134 18.7 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 21.301 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion:119 Resp: 315235
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.9 41.7
 91 24.7 11.3 33.9

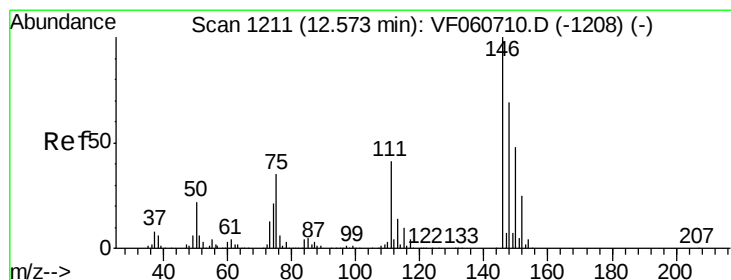
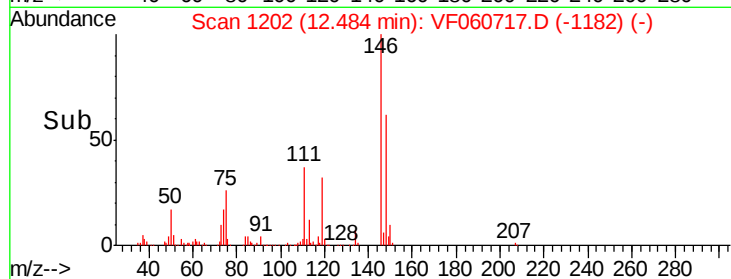
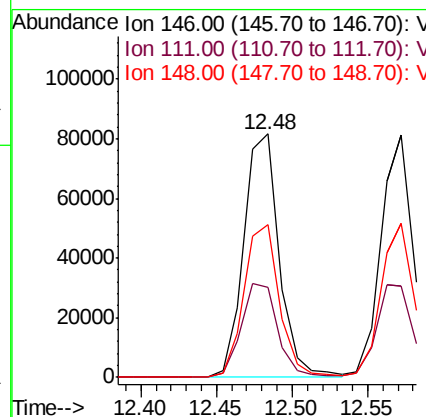
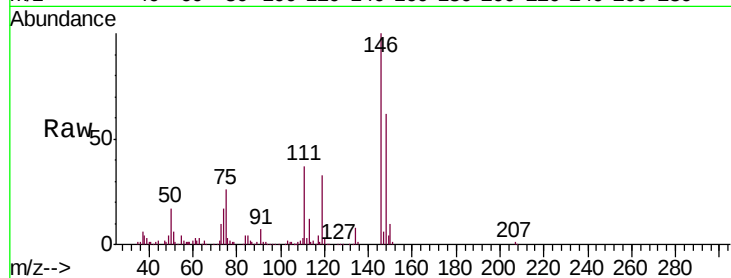




#87
 1,3-Dichlorobenzene
 Concen: 20.691 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

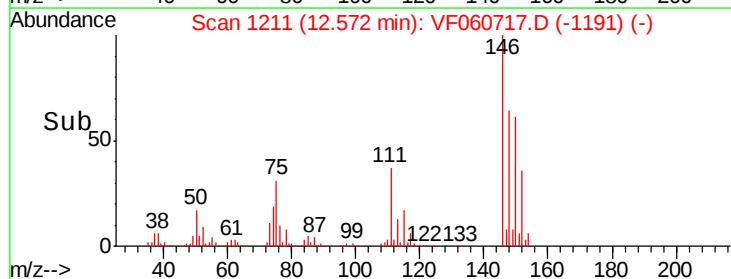
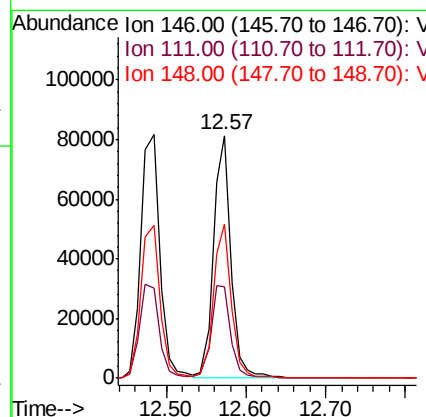
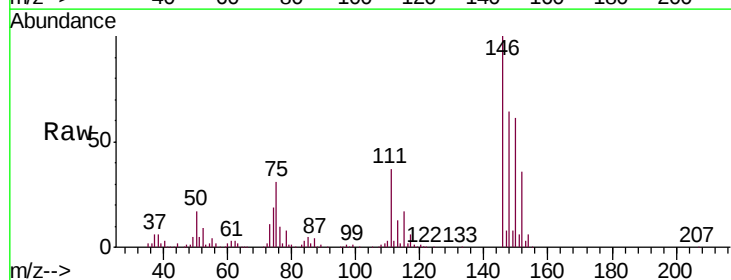
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

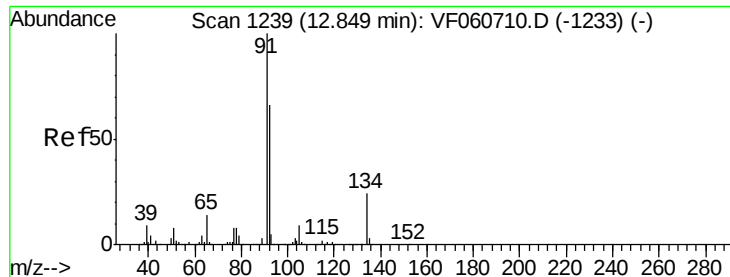
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.3	60.8
148	62.5	33.3	99.9



#88
 1,4-Dichlorobenzene
 Concen: 20.267 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.6	61.9
148	63.6	34.7	104.1





#89

n-Butylbenzene

Concen: 20.999 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

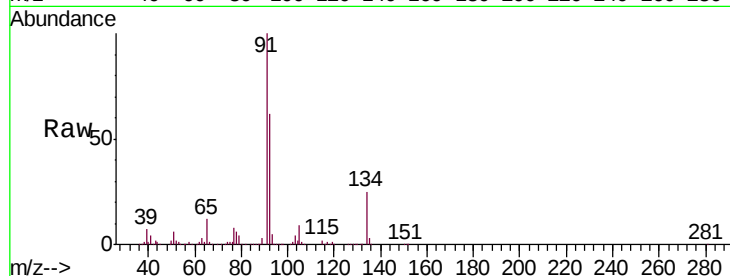
Tgt Ion: 91 Resp: 317142

Ion Ratio Lower Upper

91 100

92 62.0 33.1 99.2

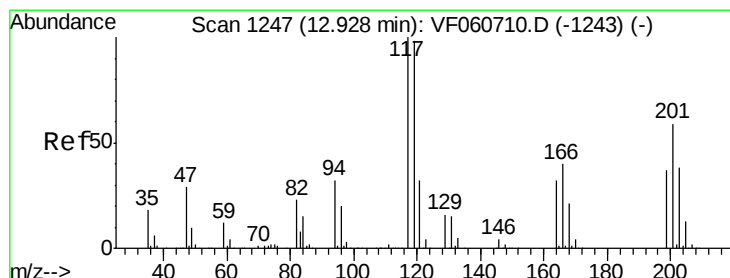
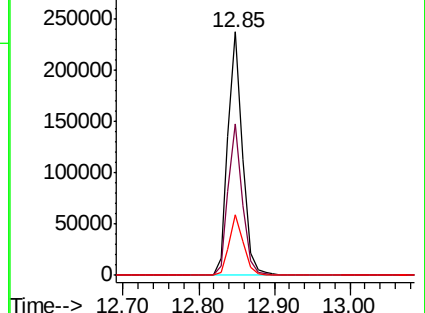
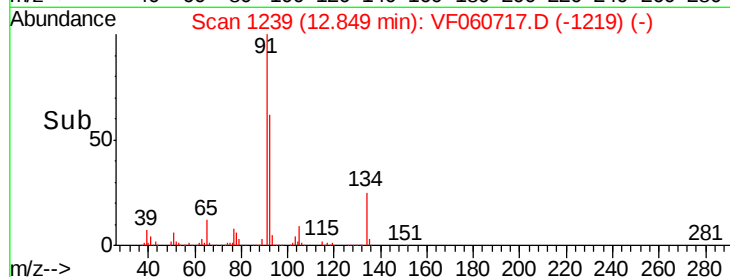
134 25.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.408 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF060717.D

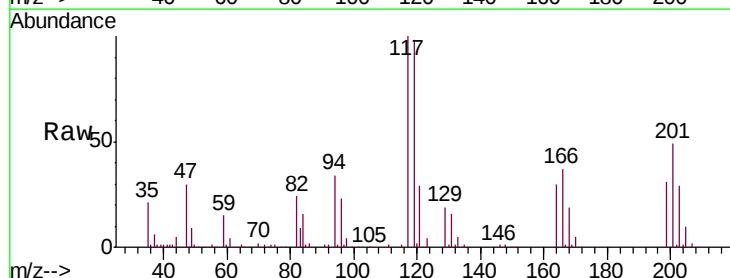
Acq: 13 Nov 2018 19:36

Tgt Ion: 117 Resp: 77489

Ion Ratio Lower Upper

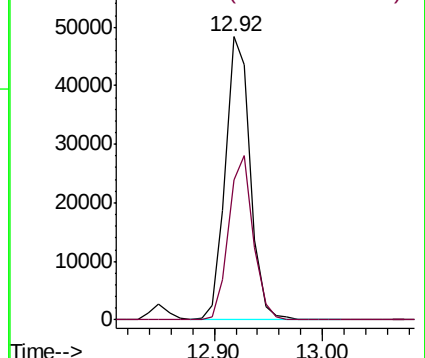
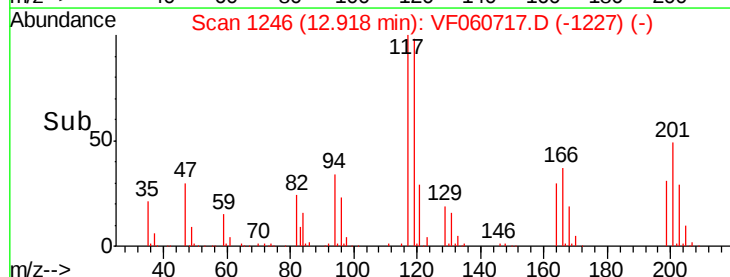
117 100

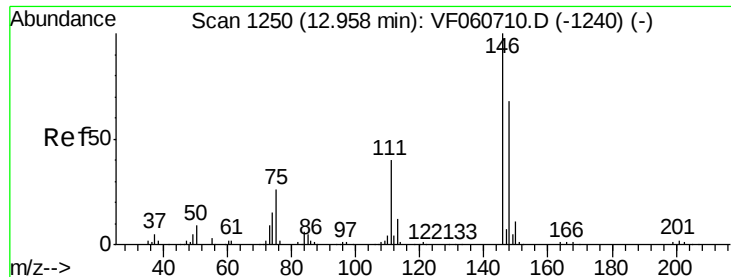
201 49.4 29.4 88.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.214 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

VF1113SBS02

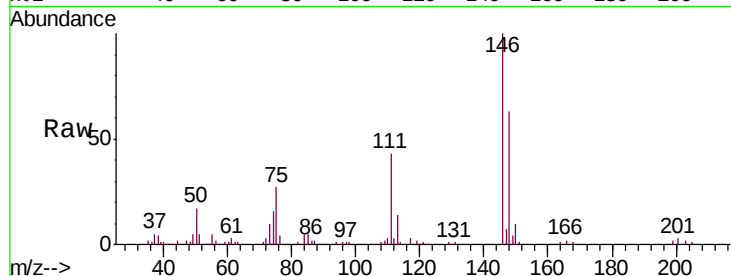
Tgt Ion:146 Resp: 128212

Ion Ratio Lower Upper

146 100

111 43.2 20.3 60.8

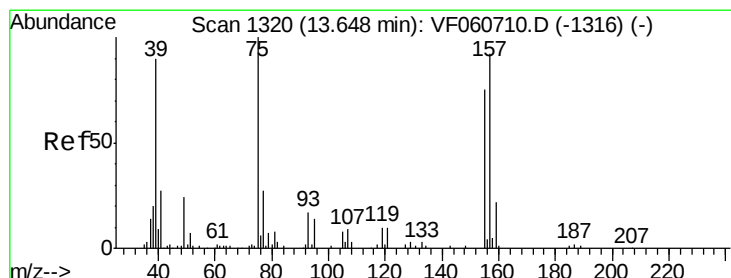
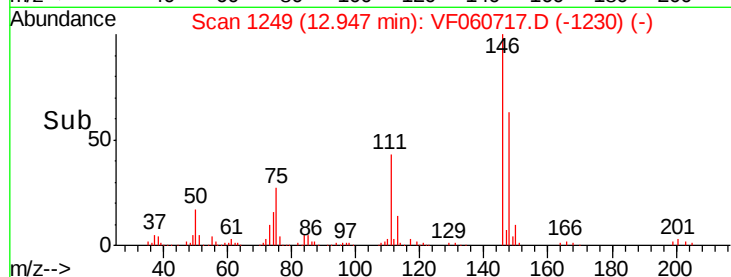
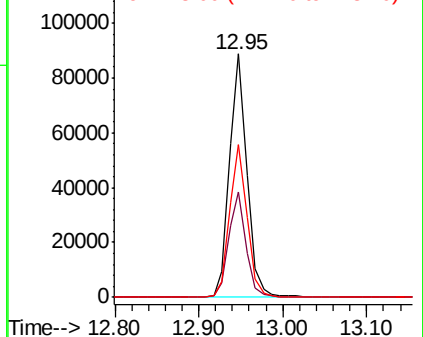
148 62.7 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.847 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF060717.D

Acq: 13 Nov 2018 19:36

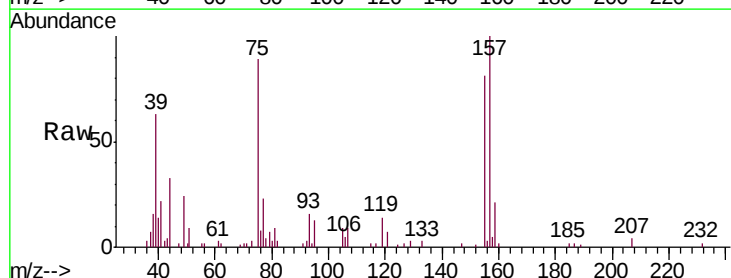
Tgt Ion: 75 Resp: 9075

Ion Ratio Lower Upper

75 100

155 91.3 37.4 112.2

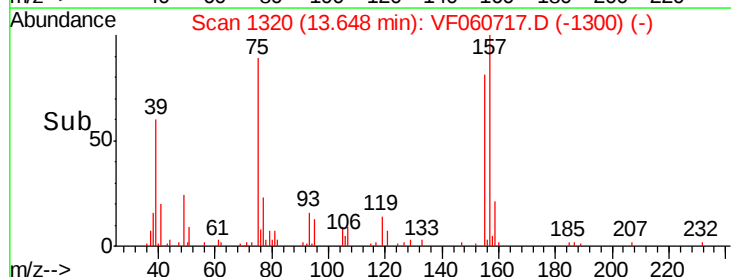
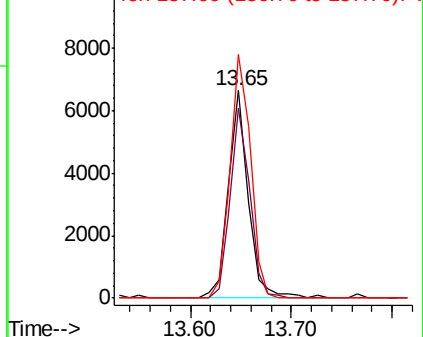
157 117.4 46.0 138.0

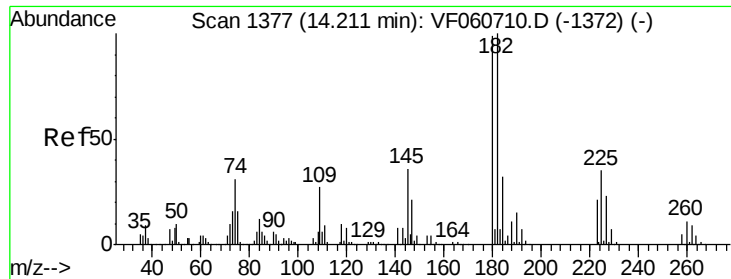


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

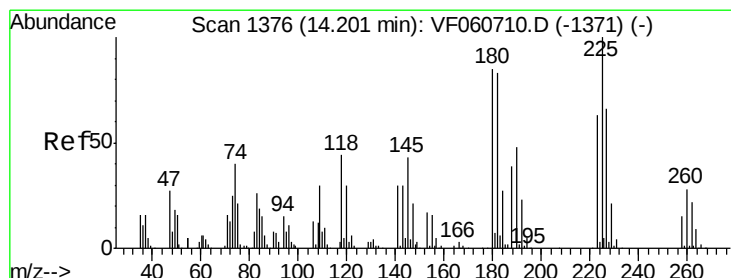
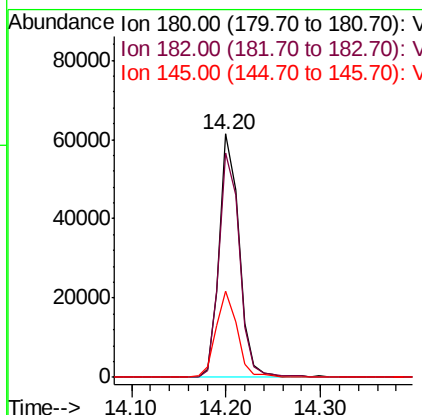
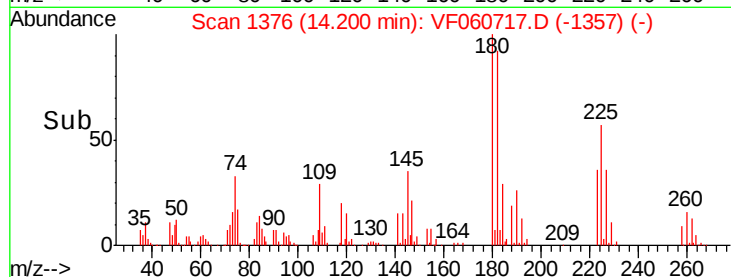
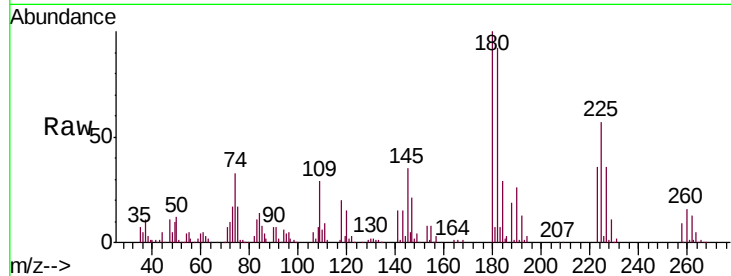




#93
 1,2,4-Trichlorobenzene
 Concen: 20.723 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

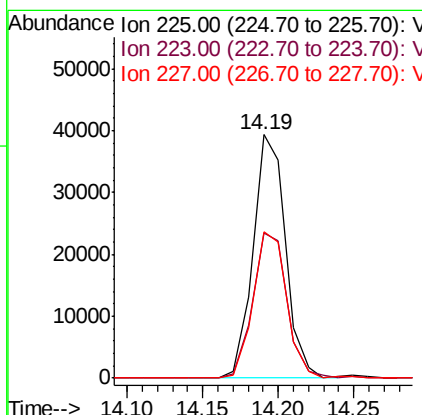
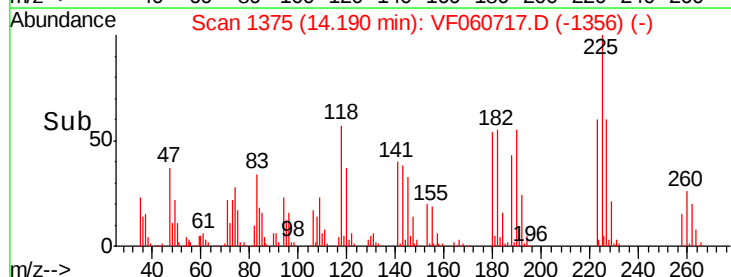
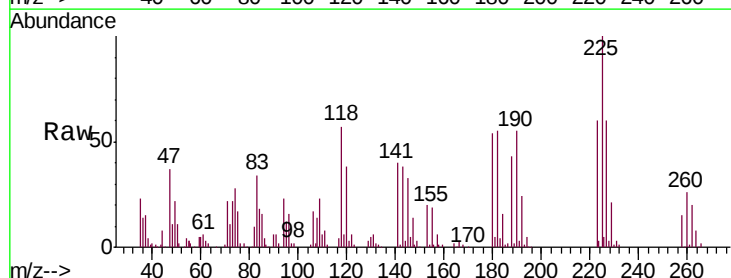
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

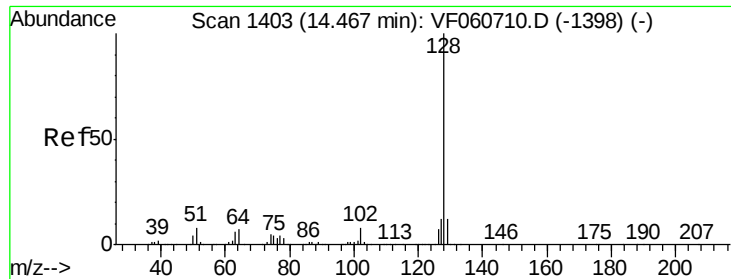
Tgt Ion:180 Resp: 90021
 Ion Ratio Lower Upper
 180 100
 182 92.0 50.3 151.0
 145 35.2 18.3 54.9



#94
 Hexachlorobutadiene
 Concen: 20.676 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060717.D
 Acq: 13 Nov 2018 19:36

Tgt Ion:225 Resp: 58692
 Ion Ratio Lower Upper
 225 100
 223 59.6 31.5 94.5
 227 60.1 33.0 99.0

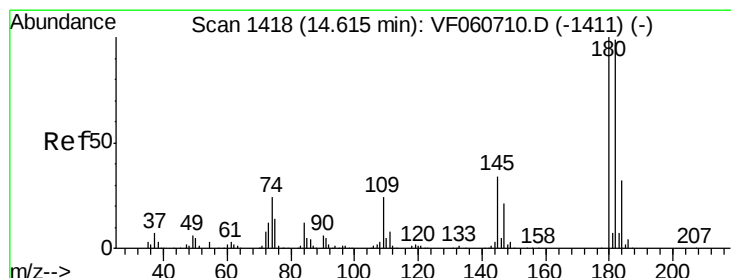
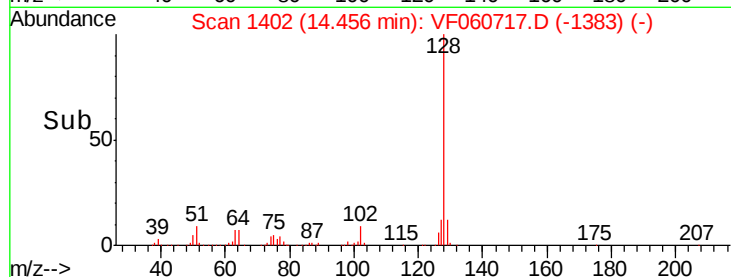
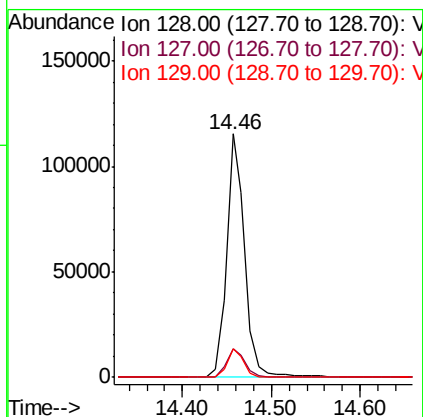
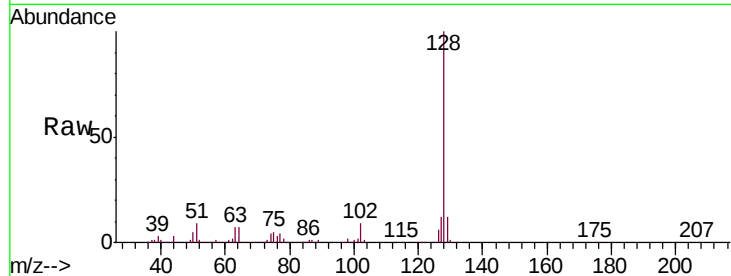




#95
Naphthalene
Concen: 20.785 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :
VF1113SBS02

Tgt Ion:128 Resp: 164754
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.6
129 11.8 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.107 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060717.D
Acq: 13 Nov 2018 19:36

Tgt Ion:180 Resp: 80713
Ion Ratio Lower Upper
180 100
182 95.1 49.6 149.0
145 34.8 16.9 50.7

