

Data File : VF060704.D
Acq On : 12 Nov 2018 00:48
Operator : VA/AP
Sample : VF1112SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Quant Time: Nov 13 04:22:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	184549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	314517	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	300212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	165065	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	112025	60.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.16%	
35) Dibromofluoromethane	4.11	113	135204	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
50) Toluene-d8	7.55	98	355088	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.41	95	166157	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	80872	41.237	ug/l	97
3) Chloromethane	1.10	50	44807	27.741	ug/l #	86
4) Vinyl Chloride	1.15	62	41247	27.714	ug/l	91
5) Bromomethane	1.32	94	25837	30.927	ug/l	82
6) Chloroethane	1.38	64	16108	28.092	ug/l	93
7) Trichlorofluoromethane	1.49	101	67693	24.301	ug/l	92
8) Diethyl Ether	1.62	74	11112	21.523	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48233	30.301	ug/l	97
10) Methyl Iodide	1.89	142	52384	19.998	ug/l	88
11) Tert butyl alcohol	2.57	59	10890	107.660	ug/l	94
12) 1,1-Dichloroethene	1.78	96	35294	26.325	ug/l #	68
13) Acrolein	2.00	56	6495	83.794	ug/l	88
14) Allyl chloride	2.09	41	58944	26.926	ug/l	90
15) Acrylonitrile	2.94	53	23763	106.932	ug/l	94
16) Acetone	2.24	43	52031	118.419	ug/l #	90
17) Carbon Disulfide	1.83	76	71143	18.838	ug/l	99
18) Methyl Acetate	2.33	43	17270	25.541	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	85168	27.175	ug/l	93
20) Methylene Chloride	2.22	84	18441	9.757	ug/l	90
21) trans-1,2-Dichloroethene	2.30	96	35477	25.223	ug/l	98
22) Diisopropyl ether	2.80	45	114401	24.665	ug/l	93
23) Vinyl Acetate	3.18	43	279976	100.467	ug/l	100
24) 1,1-Dichloroethane	2.87	63	77193	28.757	ug/l	100
25) 2-Butanone	4.33	43	84898	81.069	ug/l	93
26) 2,2-Dichloropropane	3.59	77	56013	27.888	ug/l	93
27) cis-1,2-Dichloroethene	3.47	96	63456	23.633	ug/l	92
28) Bromochloromethane	3.71	49	39476	23.434	ug/l	99
29) Tetrahydrofuran	4.07	42	37121	107.896	ug/l	95
30) Chloroform	3.85	83	112892	26.583	ug/l	98
31) Cyclohexane	3.69	56	84408	22.787	ug/l	94
32) 1,1,1-Trichloroethane	4.09	97	92332	31.129	ug/l	97
36) 1,1-Dichloropropene	4.27	75	82373	23.786	ug/l	95
37) Ethyl Acetate	4.11	43	32526	19.566	ug/l #	86
38) Carbon Tetrachloride	3.97	117	80241	27.116	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	94474	22.355	ug/l	99
40) Benzene	4.62	78	183058	21.777	ug/l	99
41) Methacrylonitrile	4.74	41	18215	19.348	ug/l #	92
42) 1,2-Dichloroethane	4.94	62	62646	25.966	ug/l	91
43) Isopropyl Acetate	6.95	43	36657	17.433	ug/l #	96
44) Trichloroethene	5.50	130	59090	23.390	ug/l	97
45) 1,2-Dichloropropane	6.23	63	48353	22.491	ug/l	97
46) Dibromomethane	6.08	93	33420	24.503	ug/l	96
47) Bromodichloromethane	6.38	83	81426	24.751	ug/l	98
48) Methyl methacrylate	6.70	41	25272	19.123	ug/l	88
49) 1,4-Dioxane	6.70	88	4773	345.246	ug/l #	59
51) 4-Methyl-2-Pentanone	8.25	43	141936	100.375	ug/l	98
52) Toluene	7.62	92	124030	22.651	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	63167	22.092	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	82578	22.859	ug/l	93
55) 1,1,2-Trichloroethane	8.49	97	34136	21.423	ug/l	95
56) Ethyl methacrylate	8.62	69	36508	17.808	ug/l	92
57) 1,3-Dichloropropane	8.84	76	61466	21.984	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.62	63	19199	136.973	ug/l	100
59) 2-Hexanone	9.49	43	93563	82.803	ug/l	98
60) Dibromochloromethane	8.71	129	48785	21.892	ug/l	94
61) 1,2-Dibromoethane	8.98	107	36930	22.039	ug/l	99
64) Tetrachloroethene	8.14	164	52257	22.211	ug/l	95
65) Chlorobenzene	9.79	112	136296	22.200	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	58457	22.534	ug/l	98
67) Ethyl Benzene	9.89	91	244803	21.973	ug/l	98
68) m/p-Xylenes	10.13	106	177538	42.305	ug/l	89
69) o-Xylene	10.71	106	99310	21.672	ug/l	80
70) Styrene	10.79	104	146273	22.033	ug/l	96
71) Bromoform	10.77	173	26393	19.699	ug/l	95
73) Isopropylbenzene	11.12	105	317060	24.630	ug/l	96
74) N-amyl acetate	11.37	43	62523	16.804	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	51391	21.871	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	22679	19.640	ug/l	93
77) Bromobenzene	11.49	156	63796	22.648	ug/l	97
78) n-propylbenzene	11.59	91	358063	23.773	ug/l	99
79) 2-Chlorotoluene	11.72	91	205256	23.863	ug/l	94
80) 1,3,5-Trimethylbenzene	11.82	105	247761	23.350	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	22679	24.990	ug/l	92
82) 4-Chlorotoluene	11.89	91	204993	22.843	ug/l	97
83) tert-Butylbenzene	12.13	119	269574	24.868	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	243432	23.427	ug/l	94
85) sec-Butylbenzene	12.31	105	349136	23.413	ug/l	100
86) p-Isopropyltoluene	12.46	119	285177	23.223	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	123895	22.409	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	117860	22.475	ug/l	98
89) n-Butylbenzene	12.84	91	303676	22.885	ug/l	95
90) Hexachloroethane	12.91	117	73848	23.648	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	122374	23.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8400	20.577	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111218\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	84512	24.051	ug/l	90
94) Hexachlorobutadiene	14.19	225	51644	22.681	ug/l	95
95) Naphthalene	14.45	128	152836	21.731	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	76599	23.076	ug/l	95

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

Data File : VF060704.D

Acq On : 12 Nov 2018 00:48

Operator : VA/AP

Sample : VF1112SBSD01

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

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ALS Vial      : 19      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

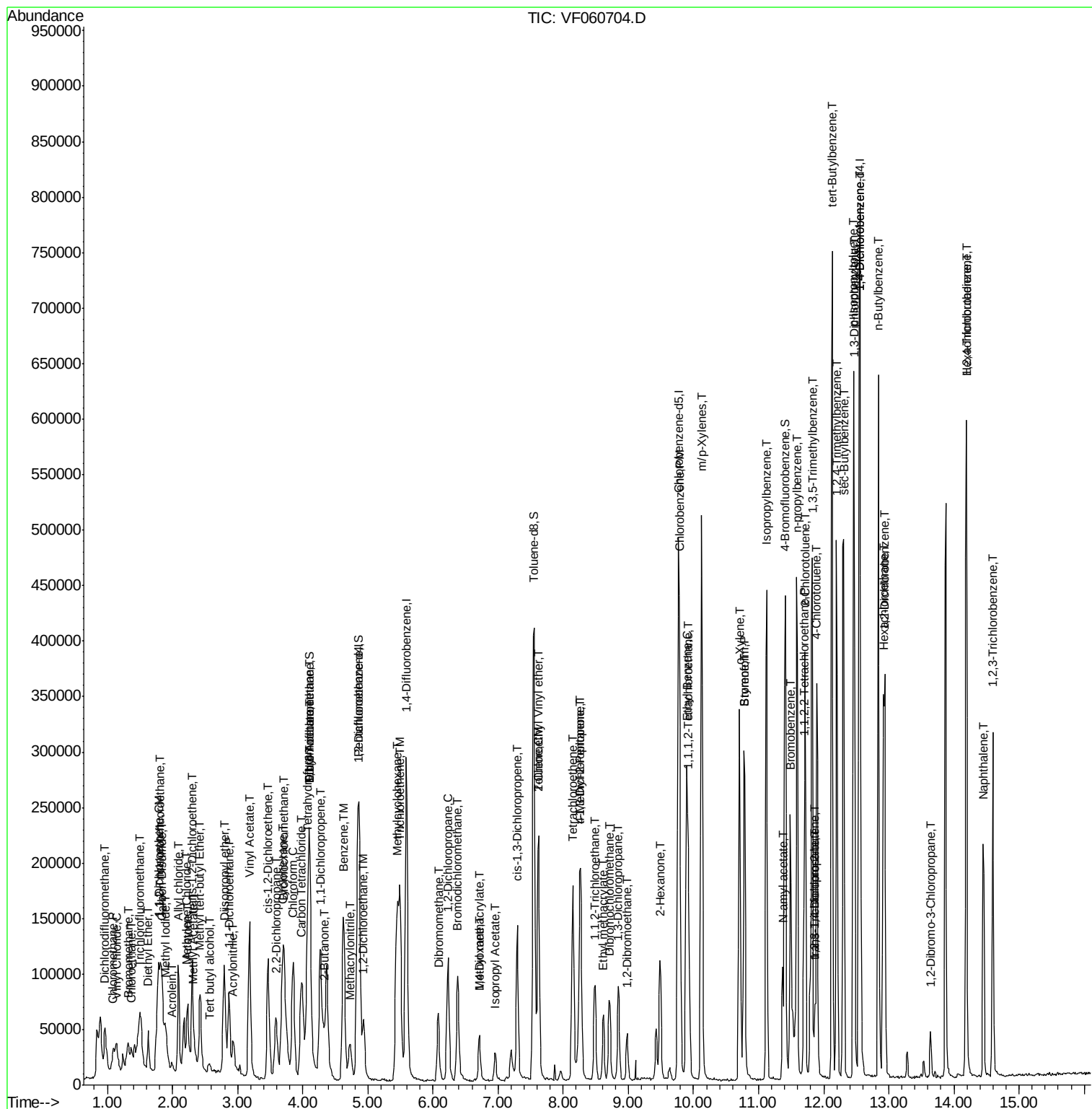
Quant Time: Nov 13 04:22:18 2018

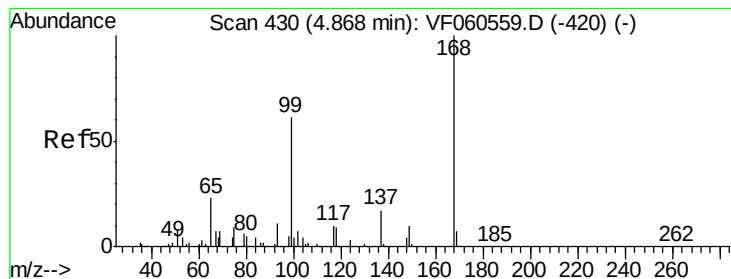
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F110218S.M

Quant Title : SW846 8260

QLast Update : Sat Nov 03 05:29:31 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

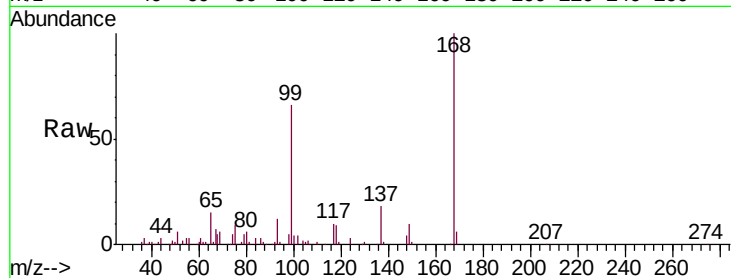
VF1112SBSD01

Tgt Ion:168 Resp: 184549

Ion Ratio Lower Upper

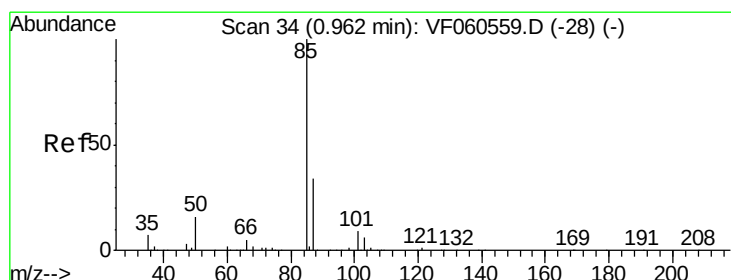
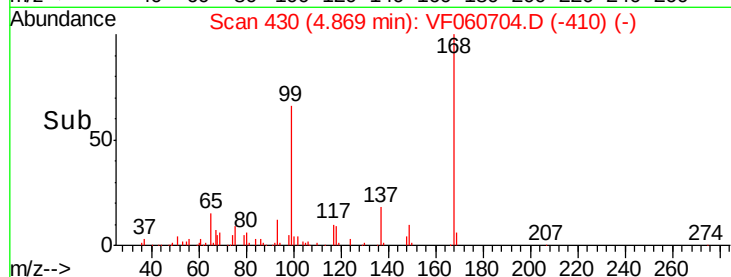
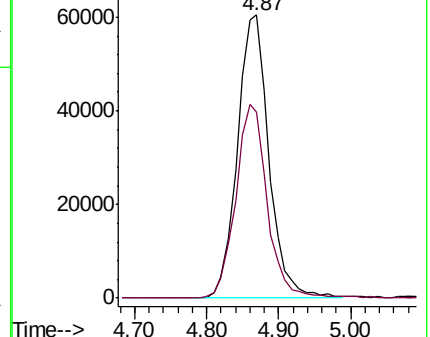
168 100

99 65.6 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 41.237 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060704.D

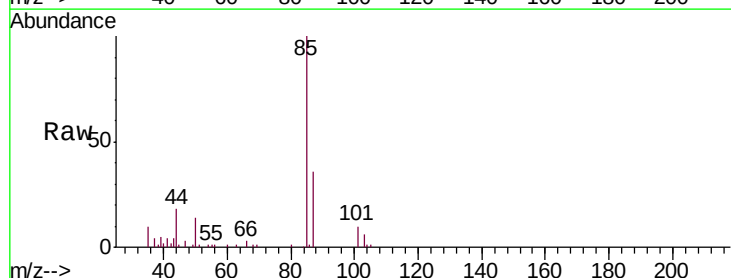
Acq: 12 Nov 2018 00:48

Tgt Ion: 85 Resp: 80872

Ion Ratio Lower Upper

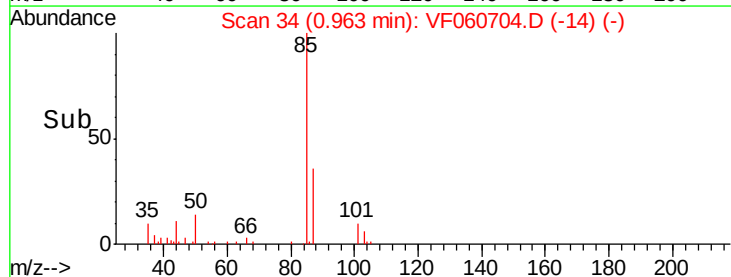
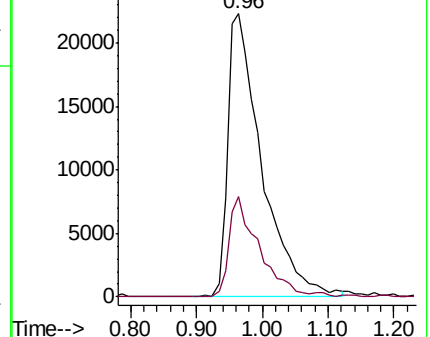
85 100

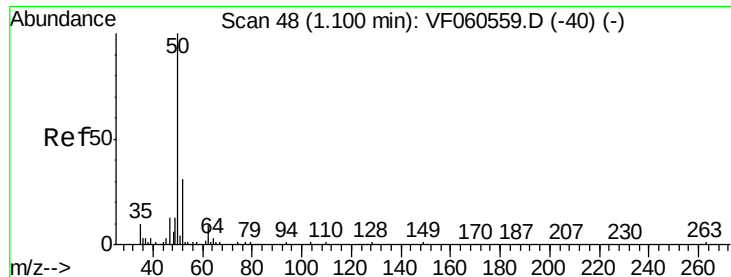
87 35.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 27.741 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

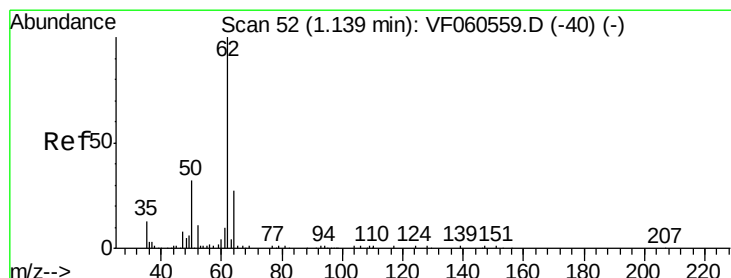
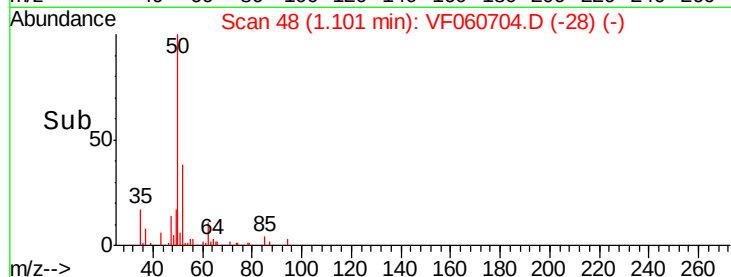
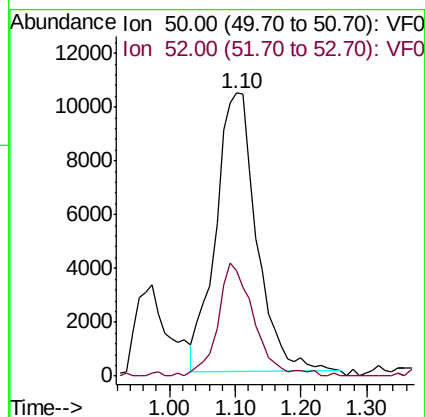
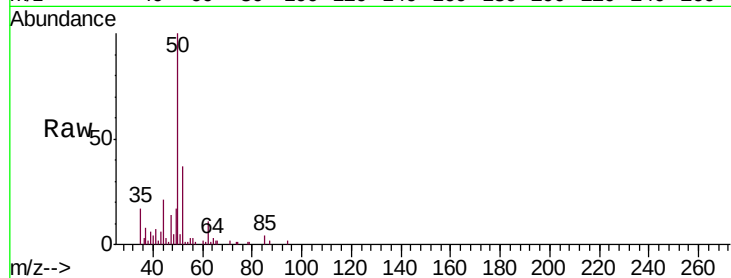
VF1112SBSD01

Tgt Ion: 50 Resp: 44807

Ion Ratio Lower Upper

50 100

52 37.4 24.0 36.0#



#4

Vinyl Chloride

Concen: 27.714 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF060704.D

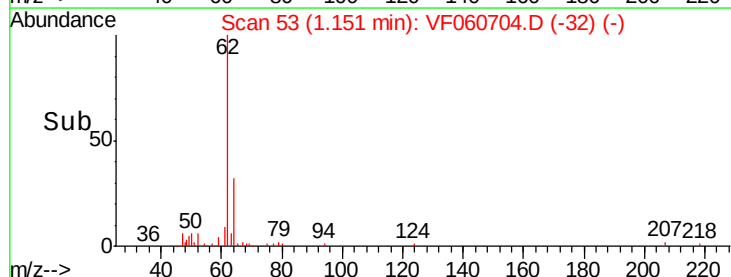
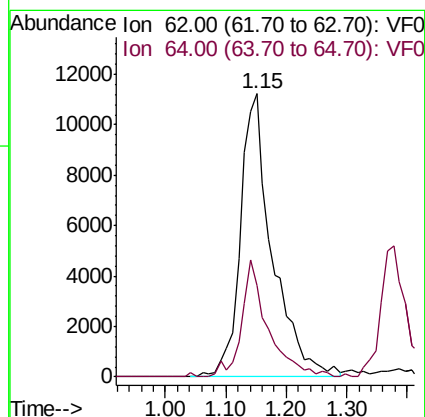
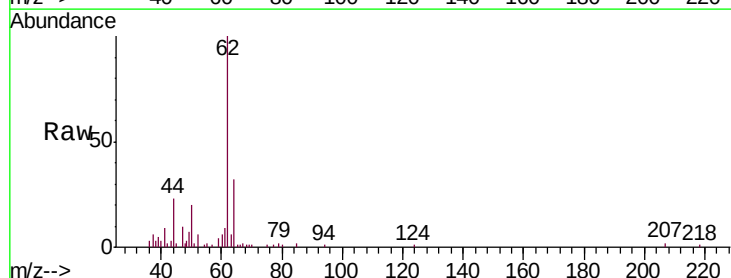
Acq: 12 Nov 2018 00:48

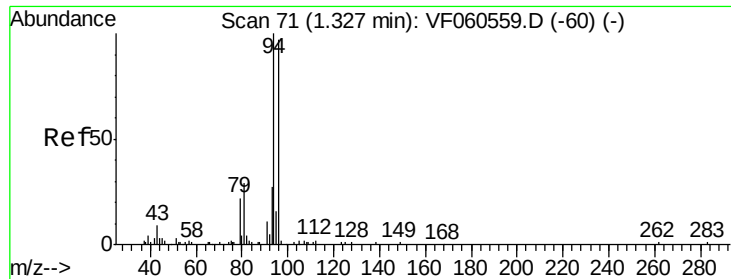
Tgt Ion: 62 Resp: 41247

Ion Ratio Lower Upper

62 100

64 32.1 21.8 32.6





#5

Bromomethane

Concen: 30.927 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

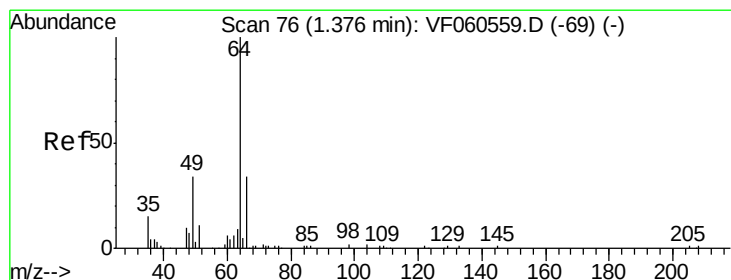
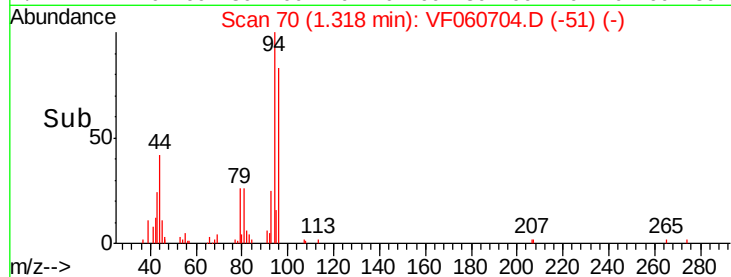
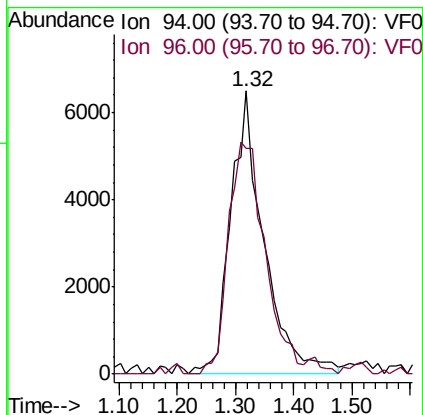
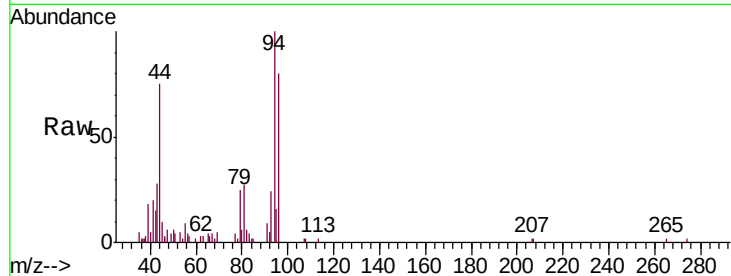
VF1112SBSD01

Tgt Ion: 94 Resp: 25837

Ion Ratio Lower Upper

94 100

96 79.8 77.9 116.9



#6

Chloroethane

Concen: 28.092 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.00 min

Lab File: VF060704.D

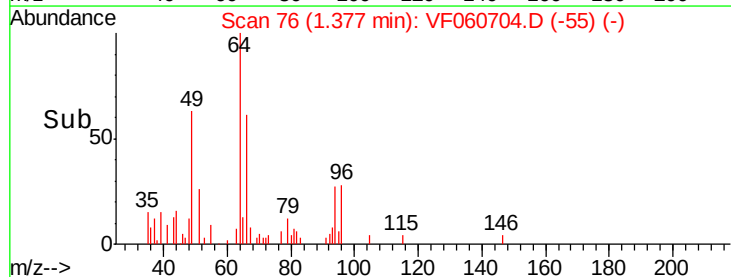
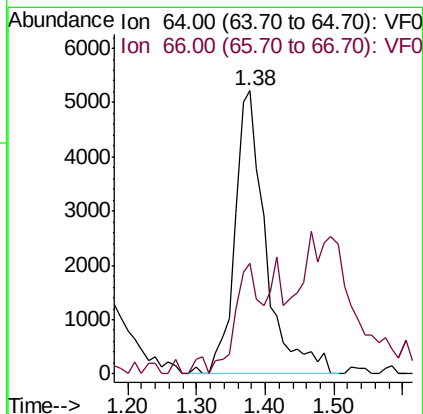
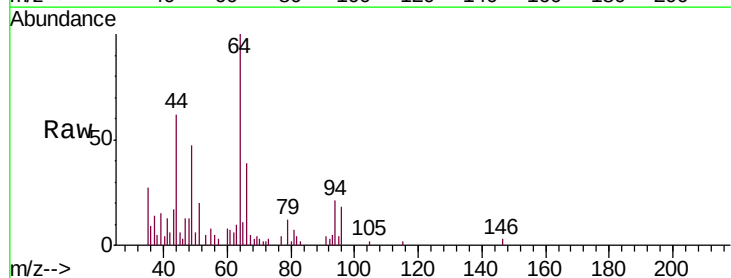
Acq: 12 Nov 2018 00:48

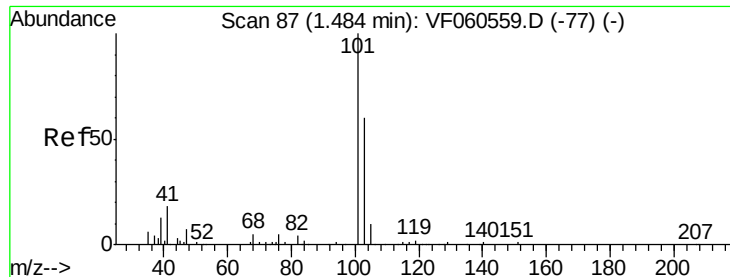
Tgt Ion: 64 Resp: 16108

Ion Ratio Lower Upper

64 100

66 39.1 27.8 41.8





#7

Trichlorofluoromethane

Concen: 24.301 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

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ClientSampleId :

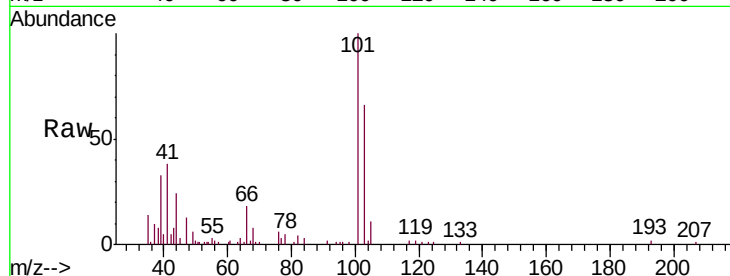
VF1112SBSD01

Tgt Ion:101 Resp: 67693

Ion Ratio Lower Upper

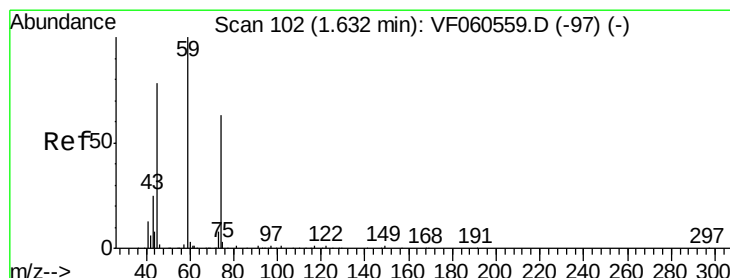
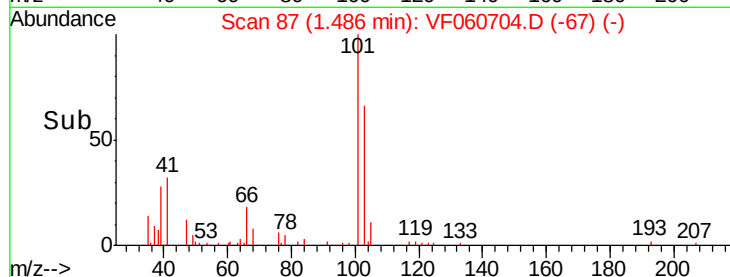
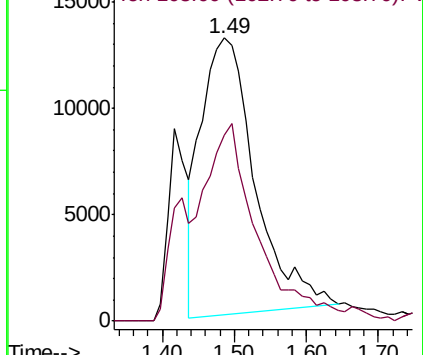
101 100

103 65.7 48.0 72.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.523 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060704.D

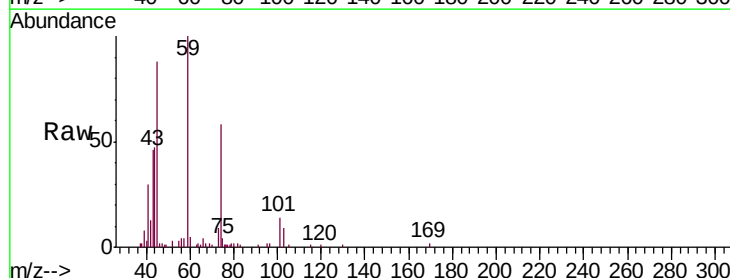
Acq: 12 Nov 2018 00:48

Tgt Ion: 74 Resp: 11112

Ion Ratio Lower Upper

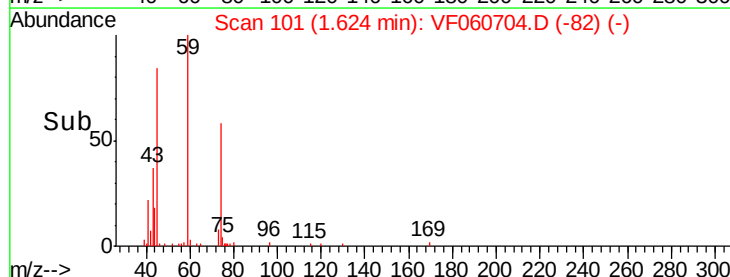
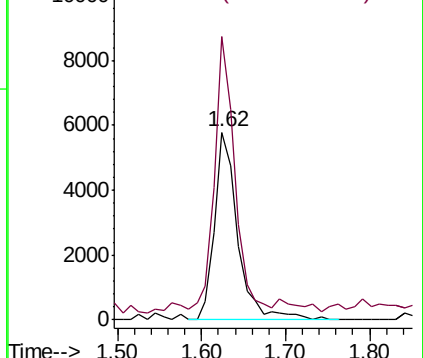
74 100

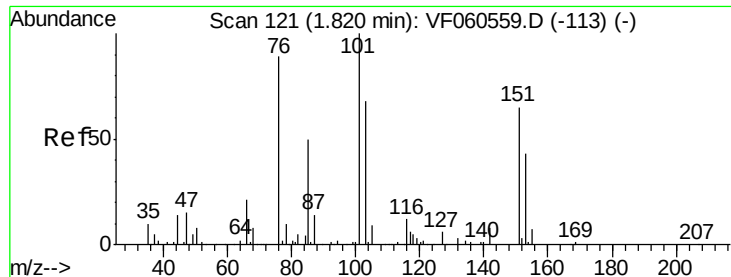
45 150.5 63.8 191.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.301 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060704.D

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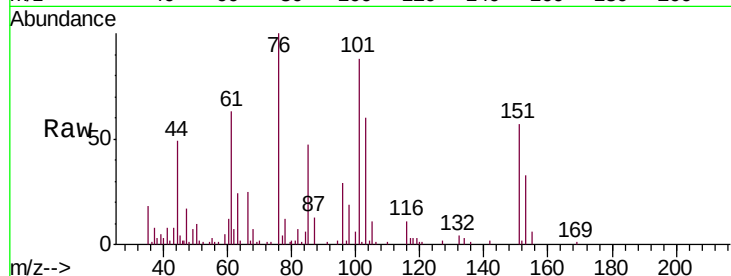
Tgt Ion:101 Resp: 48233

Ion Ratio Lower Upper

101 100

85 52.9 39.8 59.6

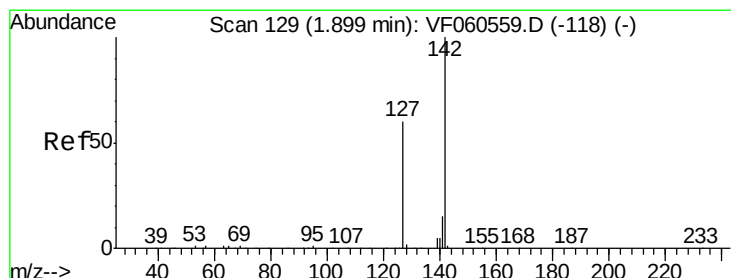
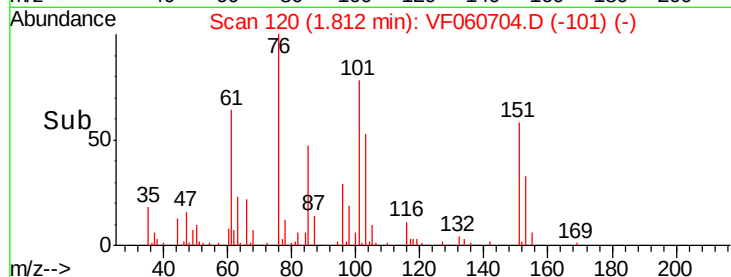
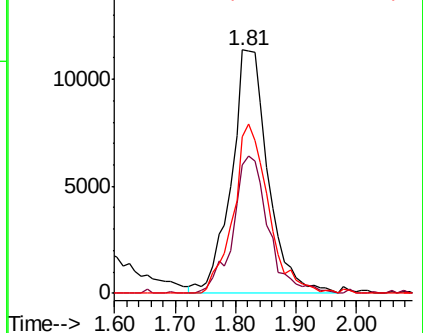
151 64.5 50.8 76.2



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: 19.998 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

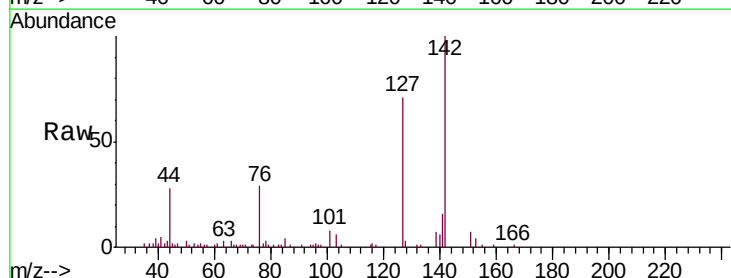
Tgt Ion:142 Resp: 52384

Ion Ratio Lower Upper

142 100

127 71.1 47.8 71.6

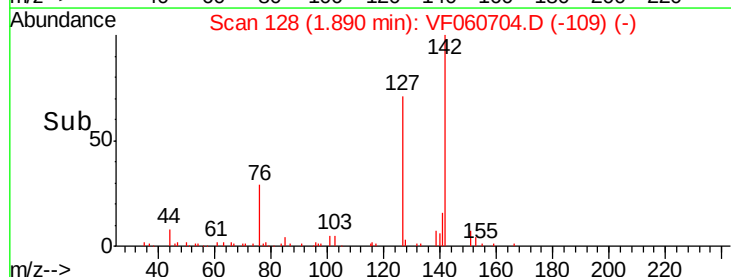
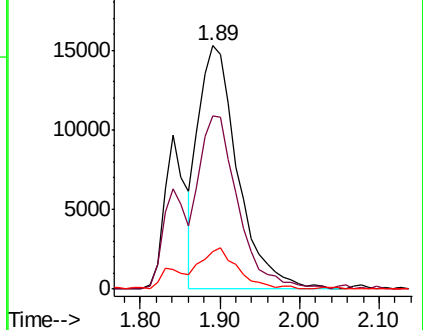
141 15.7 12.7 19.1

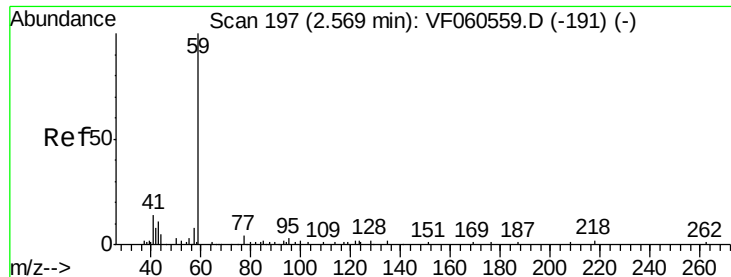


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

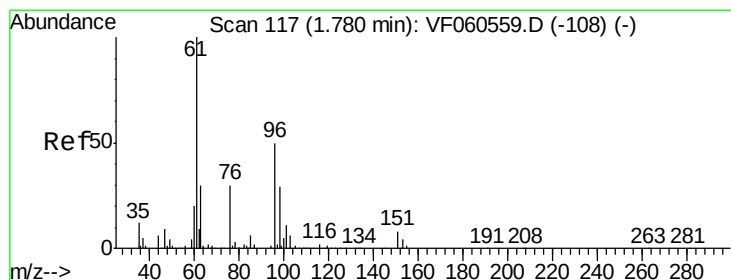
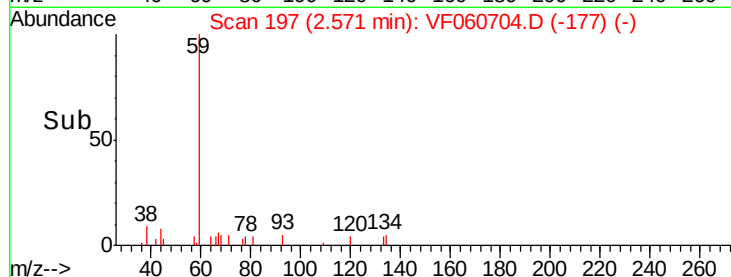
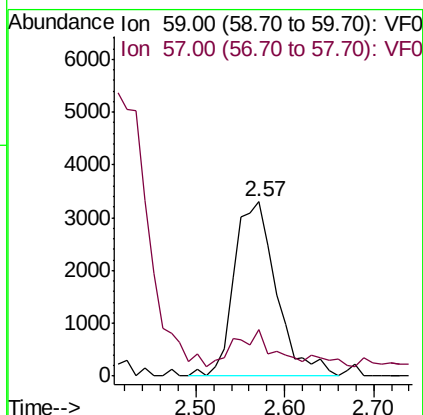
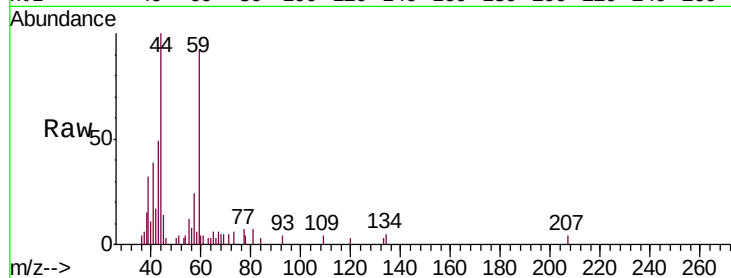




#11
Tert butyl alcohol
Concen: 107.660 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

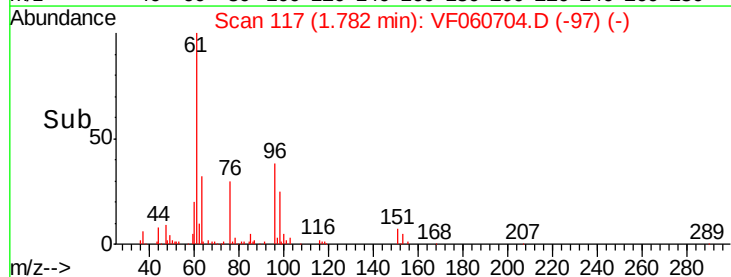
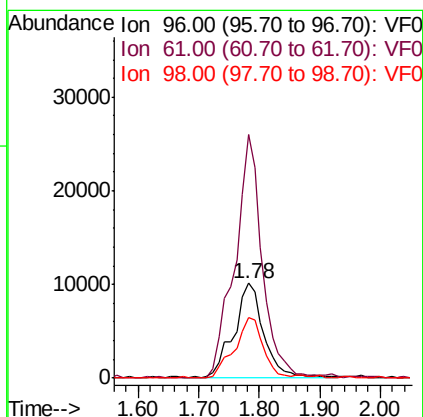
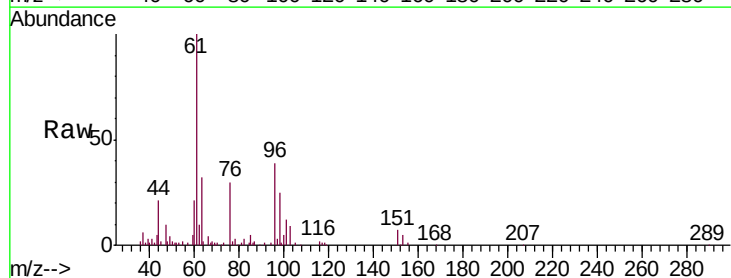
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

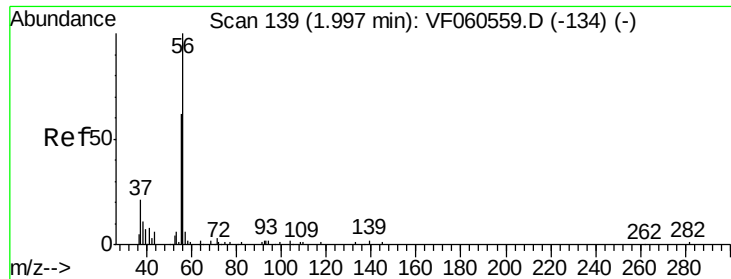
Tgt Ion: 59 Resp: 10890
Ion Ratio Lower Upper
59 100
57 26.4 19.0 28.4



#12
1,1-Dichloroethene
Concen: 26.325 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion: 96 Resp: 35294
Ion Ratio Lower Upper
96 100
61 256.3 158.1 237.1#
98 65.6 47.0 70.6





#13

Acrolein

Concen: 83.794 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

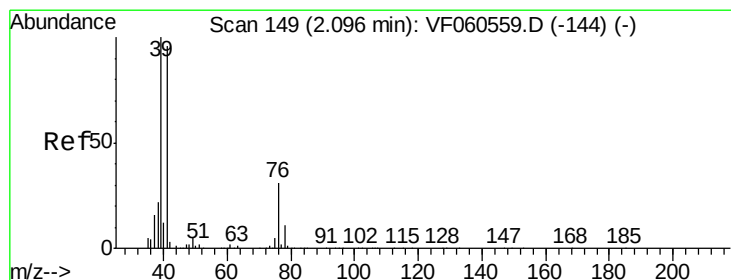
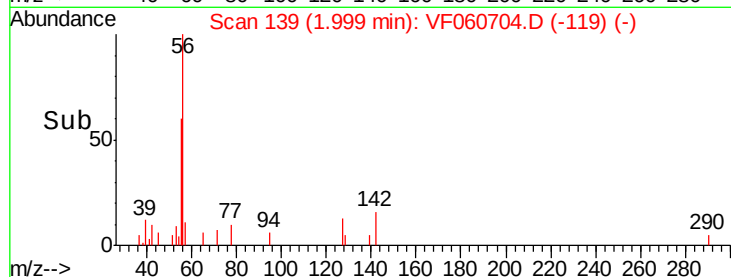
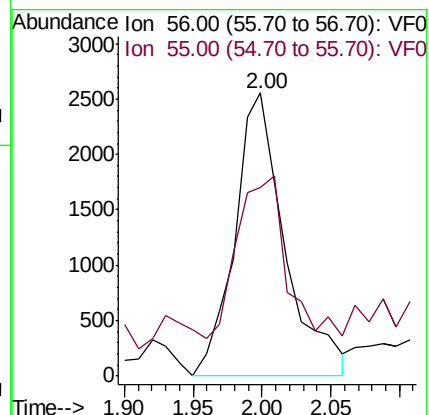
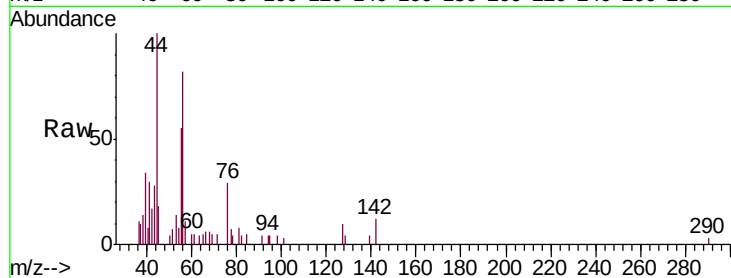
VF1112SBSD01

Tgt Ion: 56 Resp: 6495

Ion Ratio Lower Upper

56 100

55 66.7 61.8 92.6



#14

Allyl chloride

Concen: 26.926 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

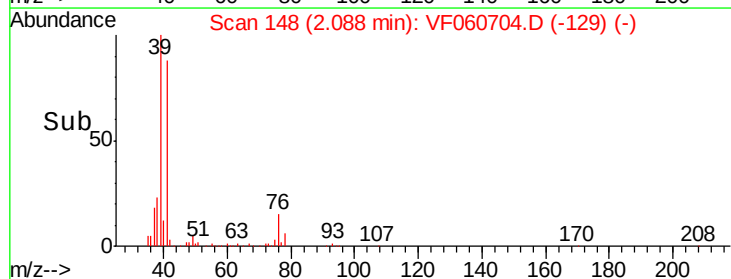
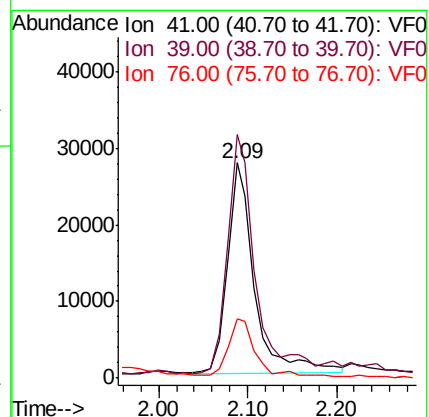
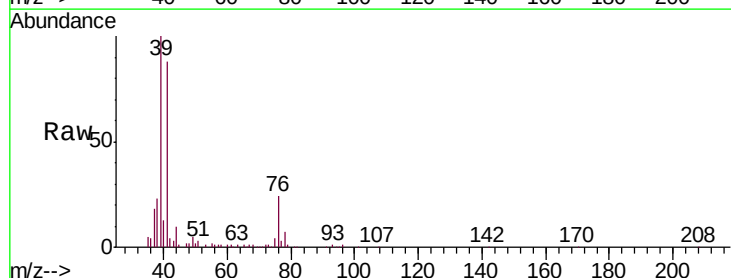
Tgt Ion: 41 Resp: 58944

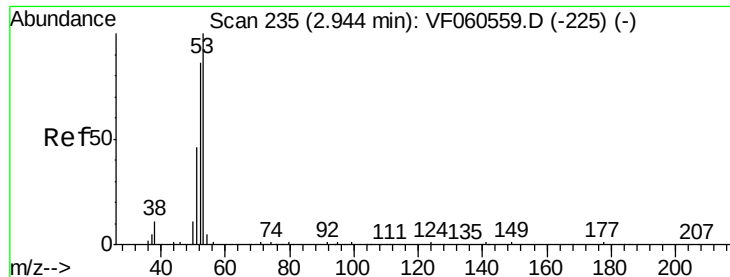
Ion Ratio Lower Upper

41 100

39 113.2 82.6 124.0

76 27.3 26.7 40.1





#15

Acrylonitrile

Concen: 106.932 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

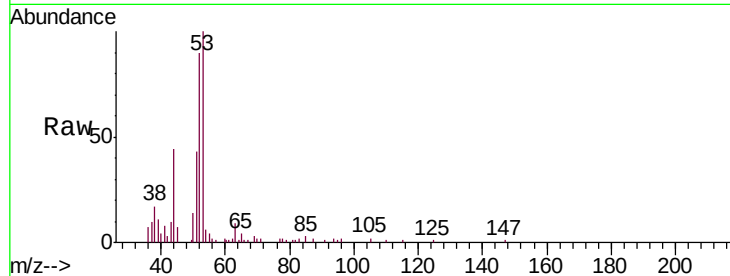
Tgt Ion: 53 Resp: 23763

Ion Ratio Lower Upper

53 100

52 90.2 68.5 102.7

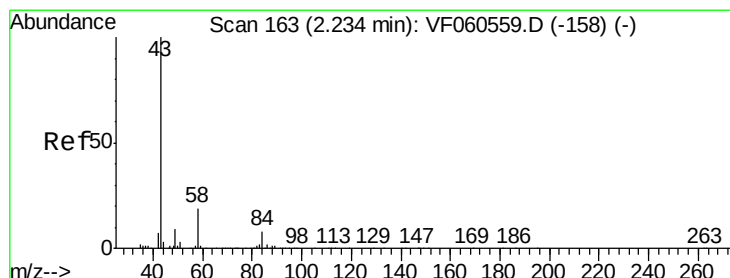
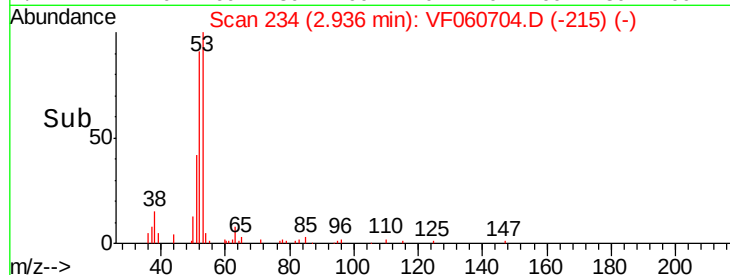
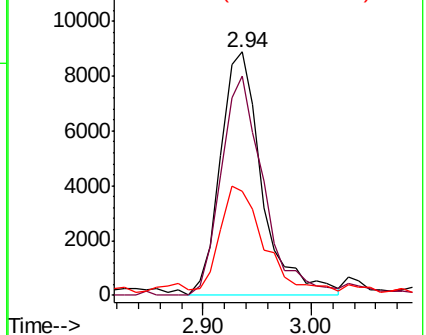
51 42.7 38.2 57.2



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: 118.419 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF060704.D

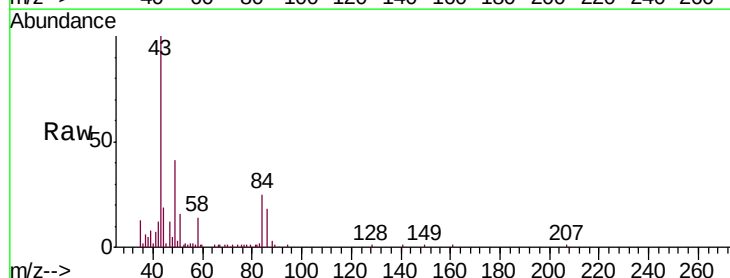
Acq: 12 Nov 2018 00:48

Tgt Ion: 43 Resp: 52031

Ion Ratio Lower Upper

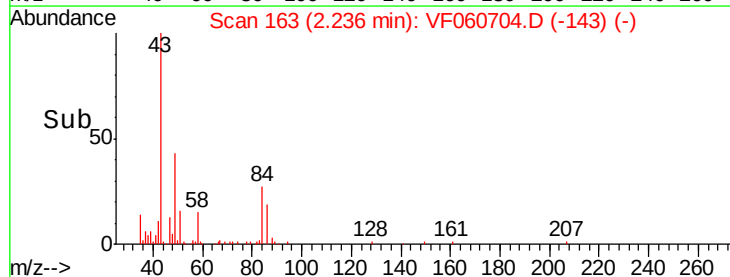
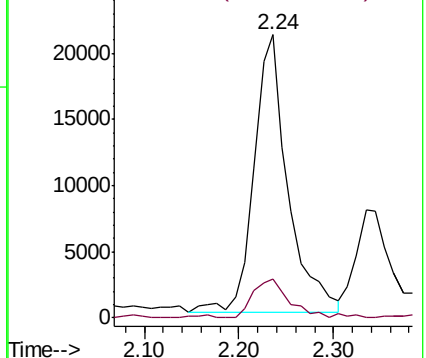
43 100

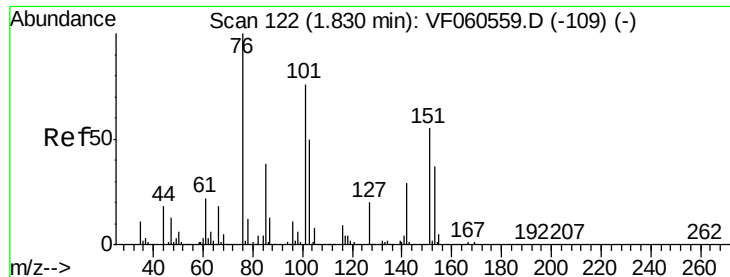
58 14.0 14.6 22.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.838 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

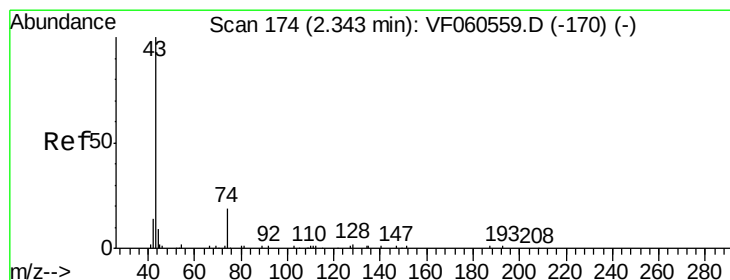
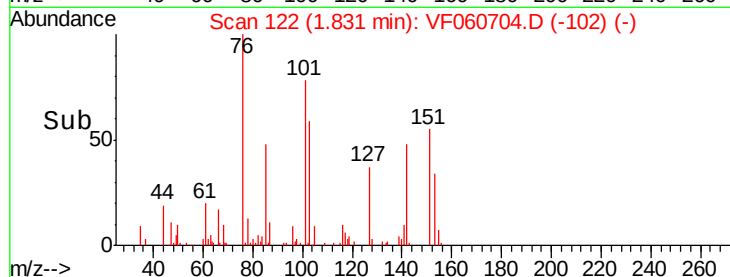
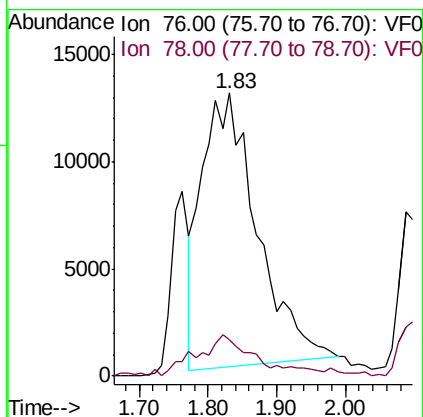
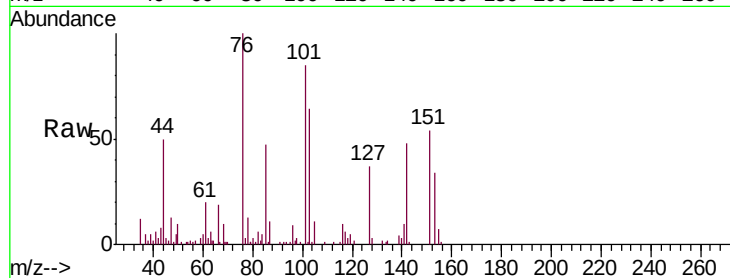
VF1112SBSD01

Tgt Ion: 76 Resp: 71143

Ion Ratio Lower Upper

76 100

78 12.7 9.9 14.9



#18

Methyl Acetate

Concen: 25.541 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060704.D

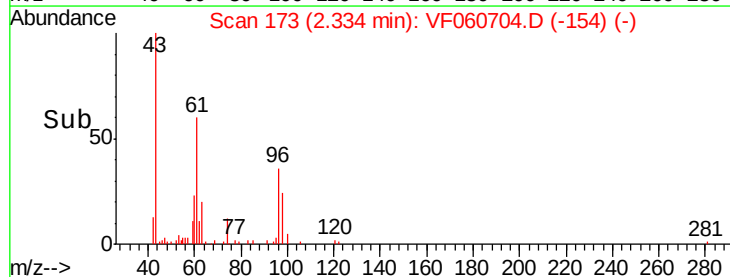
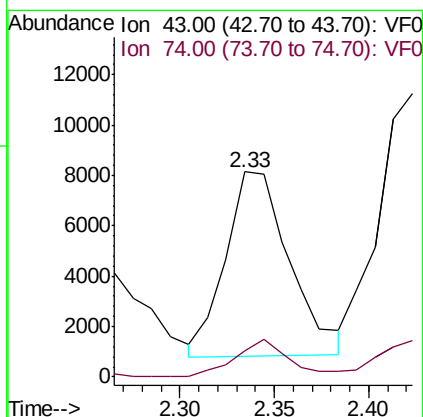
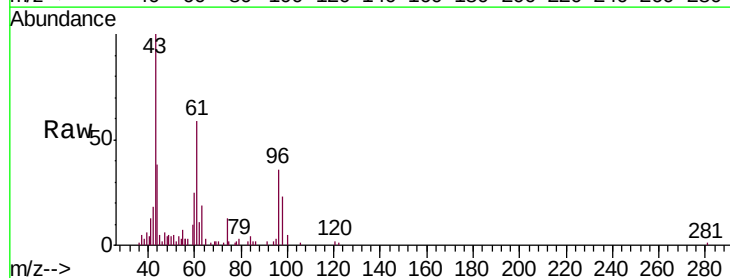
Acq: 12 Nov 2018 00:48

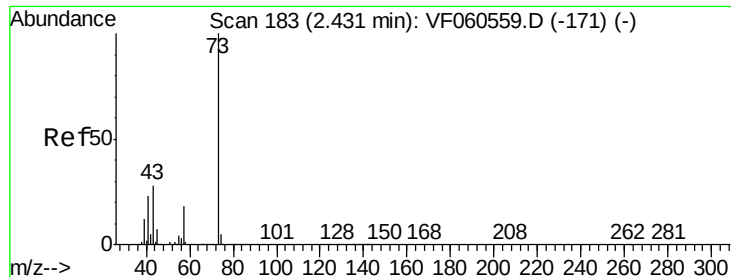
Tgt Ion: 43 Resp: 17270

Ion Ratio Lower Upper

43 100

74 12.6 12.1 18.1





#19

Methyl tert-butyl Ether

Concen: 27.175 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

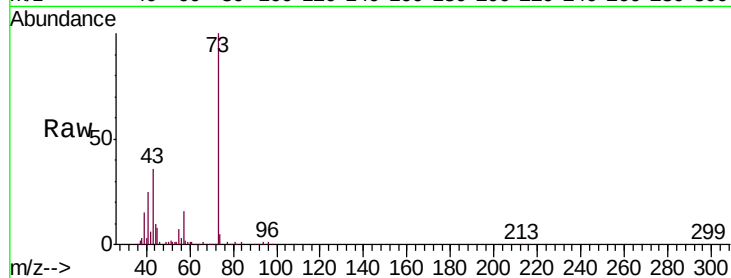
VF1112SBSD01

Tgt Ion: 73 Resp: 85168

Ion Ratio Lower Upper

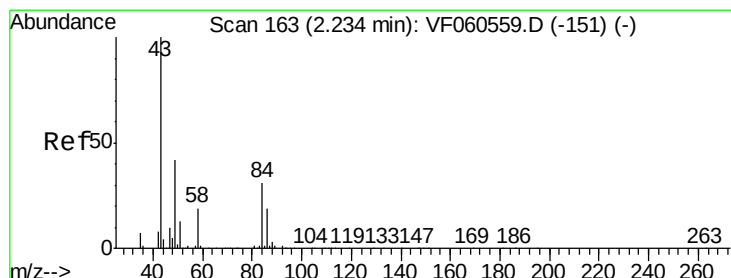
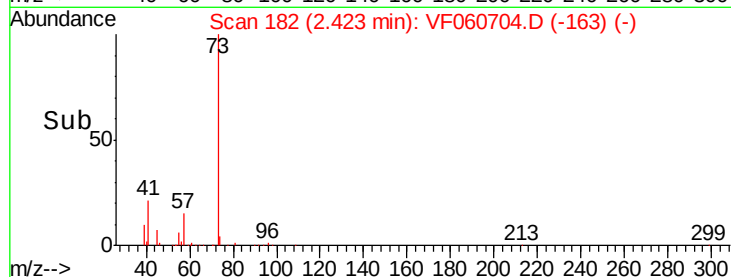
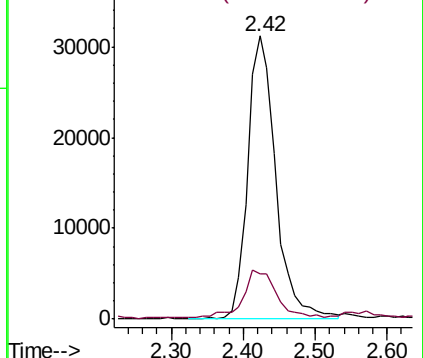
73 100

57 16.2 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 9.757 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Tgt Ion: 84 Resp: 18441

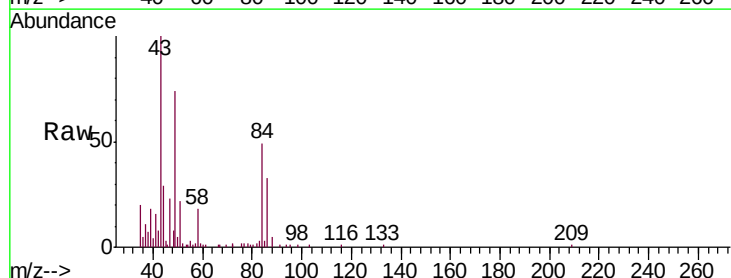
Ion Ratio Lower Upper

84 100

49 151.8 109.9 164.9

51 45.9 35.8 53.8

86 67.9 48.3 72.5

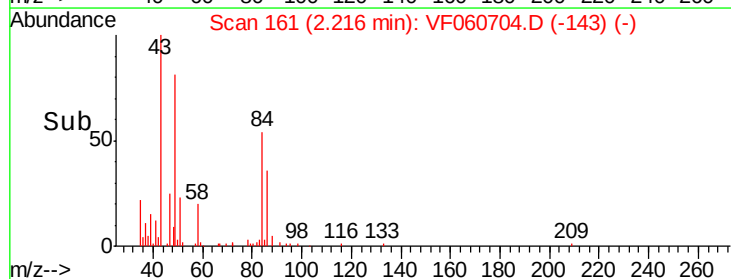
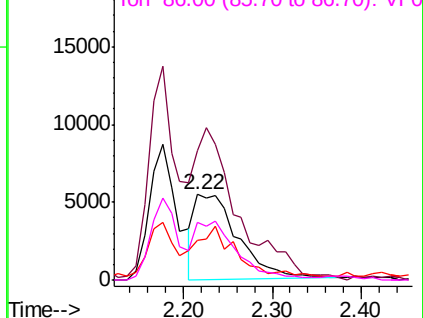


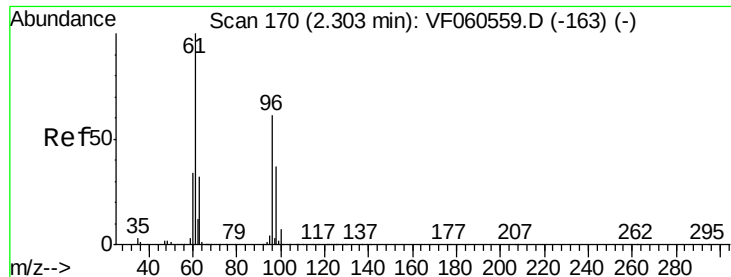
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 25.223 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

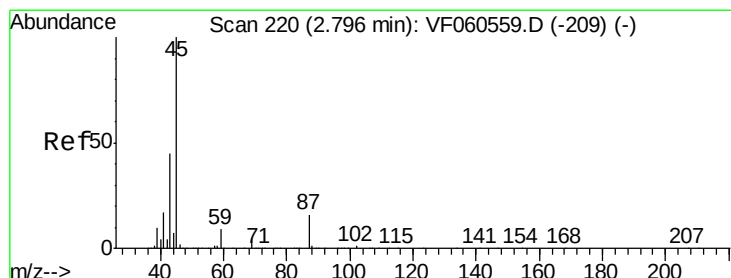
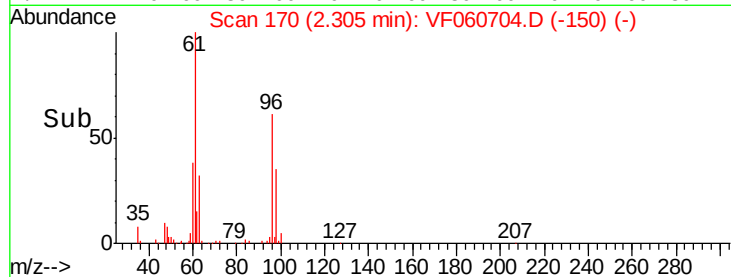
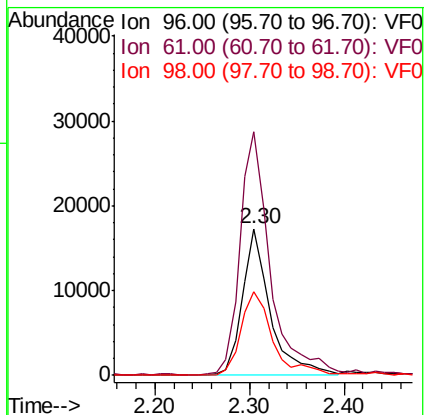
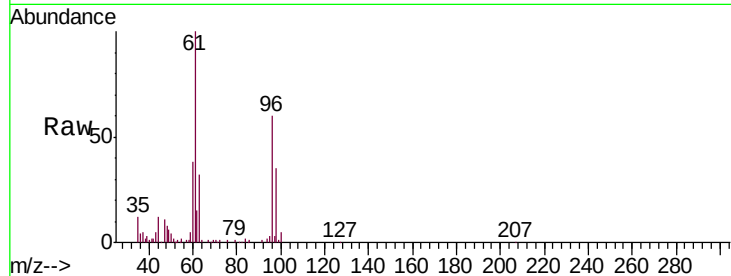
Tgt Ion: 96 Resp: 35477

Ion Ratio Lower Upper

96 100

61 166.0 131.3 196.9

98 57.4 48.6 73.0



#22

Diisopropyl ether

Concen: 24.665 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Tgt Ion: 45 Resp: 114401

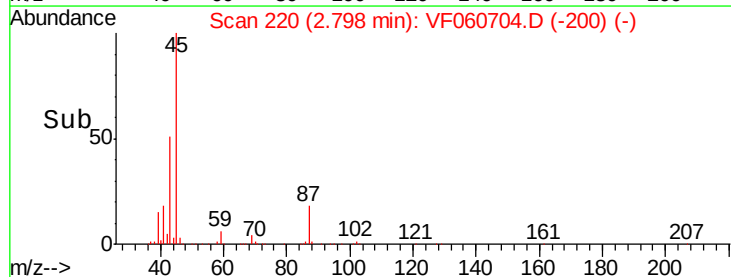
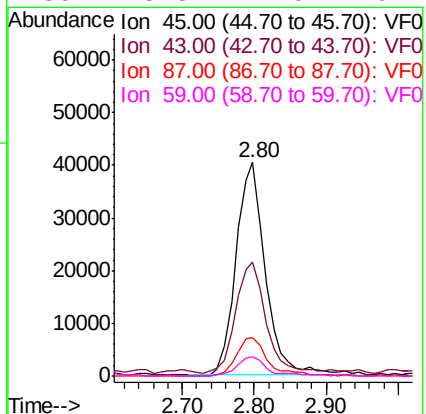
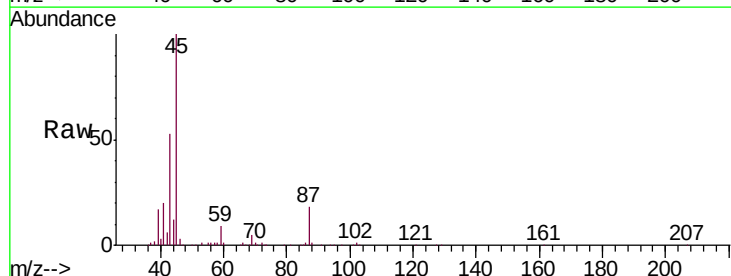
Ion Ratio Lower Upper

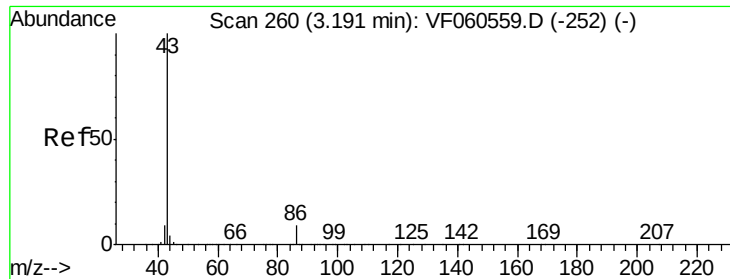
45 100

43 53.1 38.1 57.1

87 18.1 12.7 19.1

59 8.8 7.0 10.4

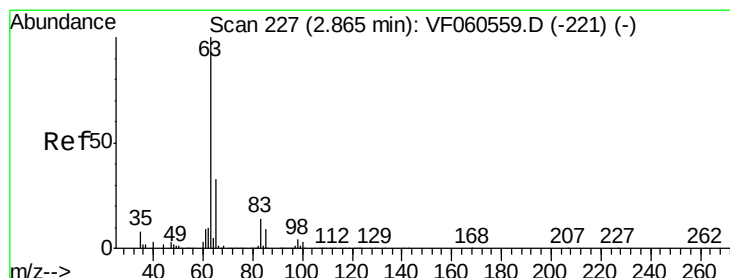
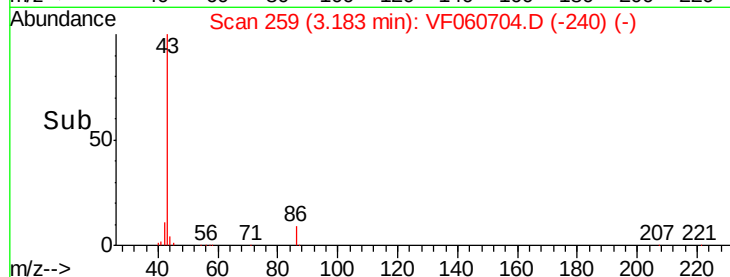
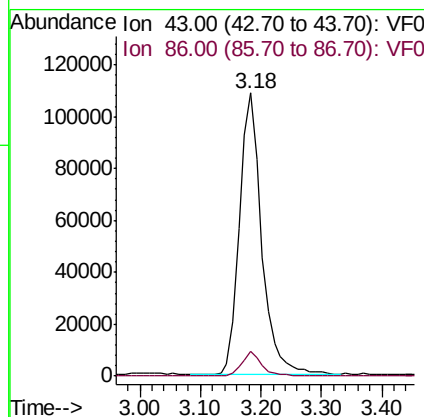
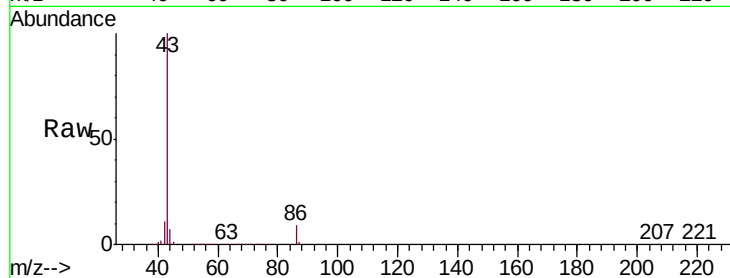




#23
 Vinyl Acetate
 Concen: 100.467 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

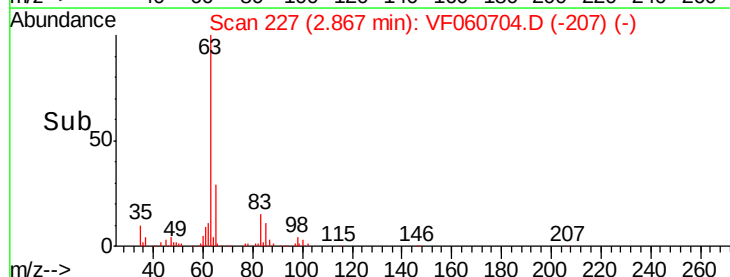
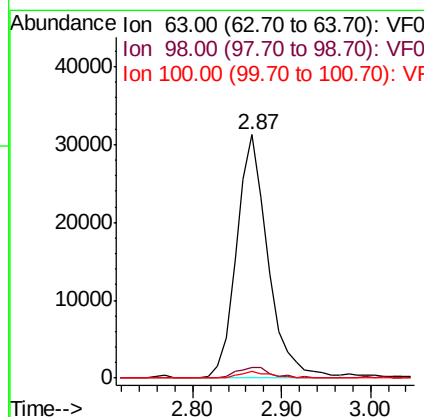
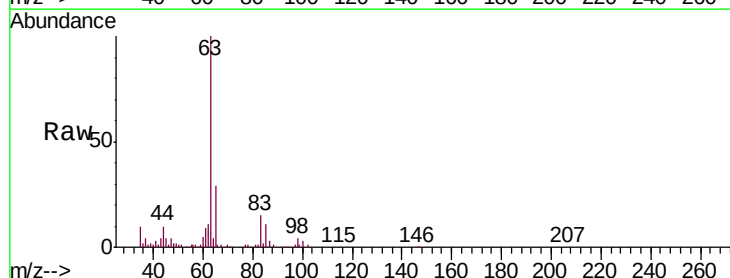
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

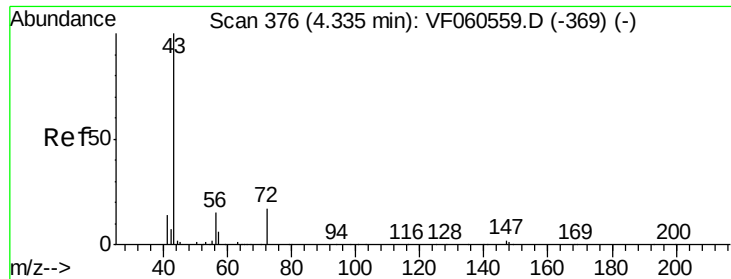
Tgt Ion: 43 Resp: 279976
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 28.757 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion: 63 Resp: 77193
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.2 6.6
 100 3.0 1.4 4.0





#25

2-Butanone

Concen: 81.069 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

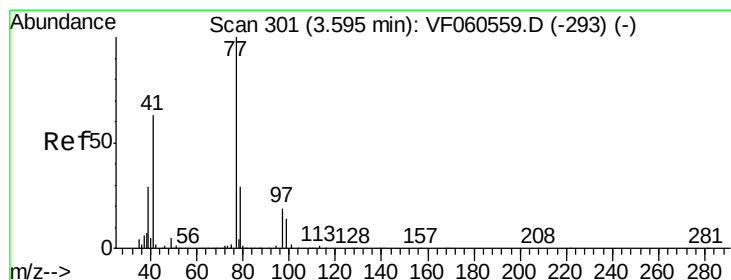
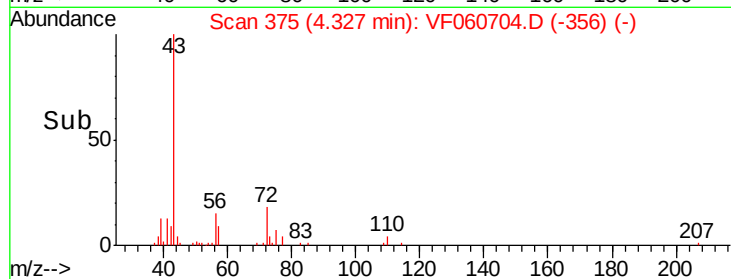
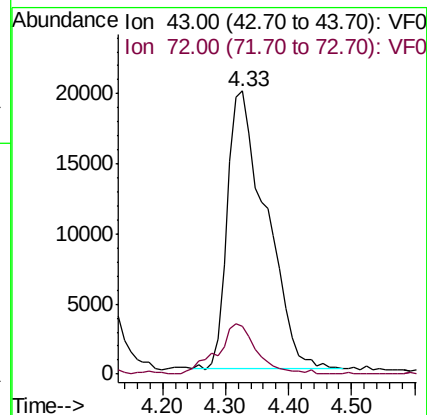
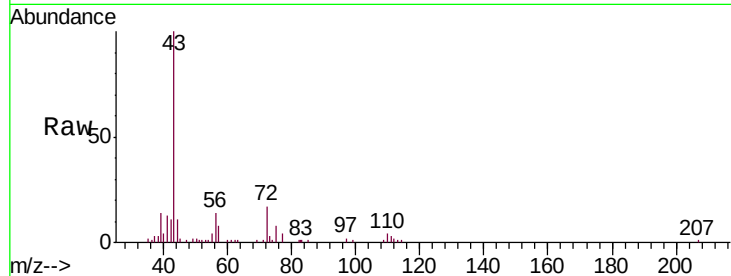
VF1112SBSD01

Tgt Ion: 43 Resp: 84898

Ion Ratio Lower Upper

43 100

72 16.9 16.2 24.2



#26

2,2-Dichloropropane

Concen: 27.888 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060704.D

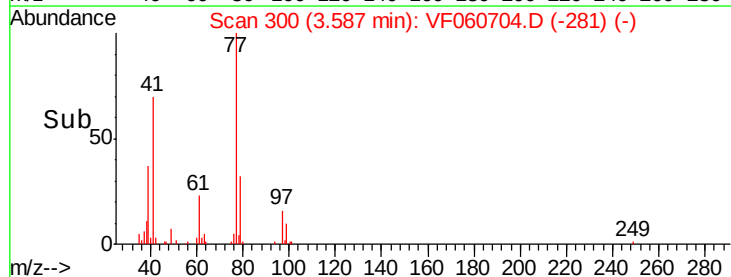
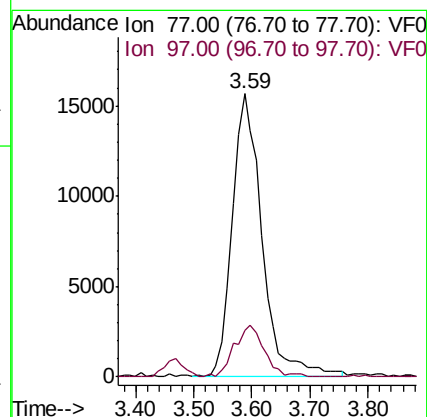
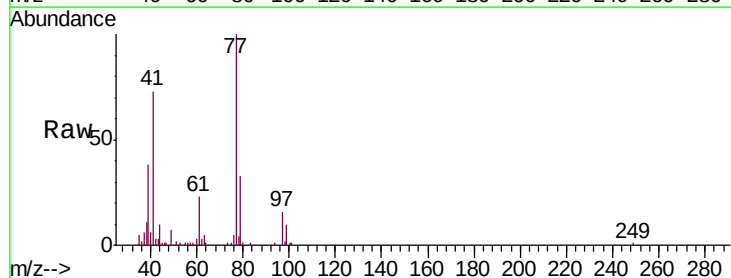
Acq: 12 Nov 2018 00:48

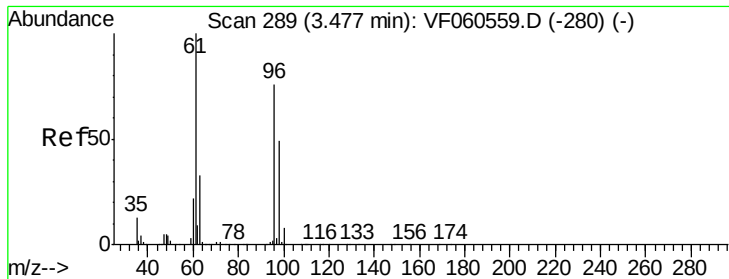
Tgt Ion: 77 Resp: 56013

Ion Ratio Lower Upper

77 100

97 16.3 9.8 29.3



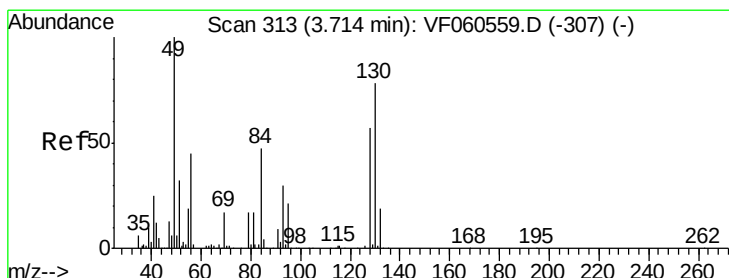
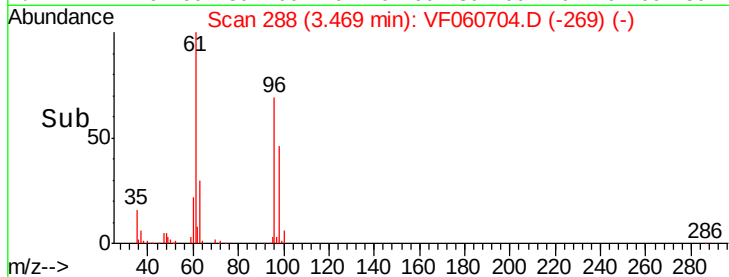
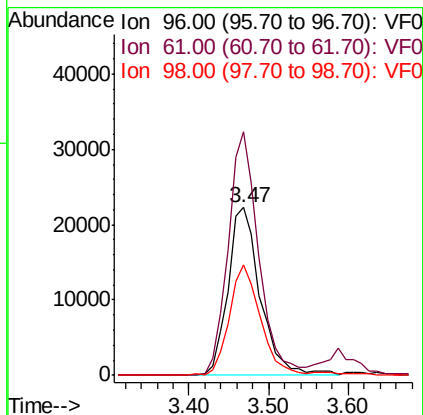
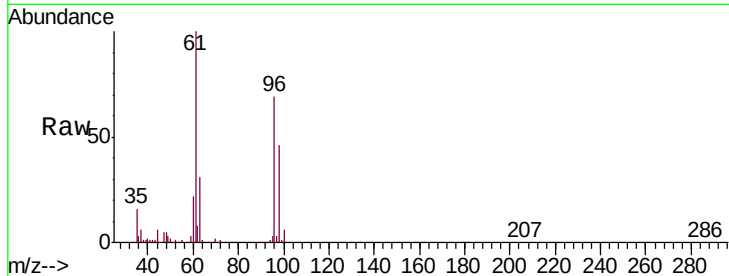


#27

cis-1,2-Dichloroethene
Concen: 23.633 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

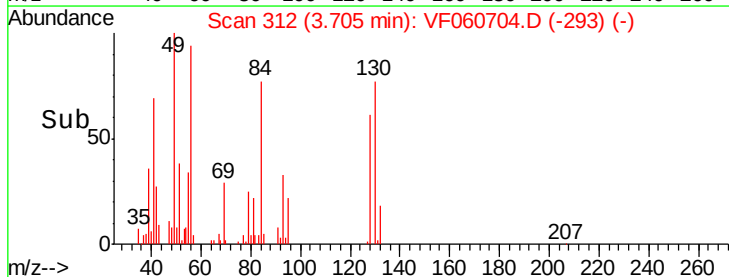
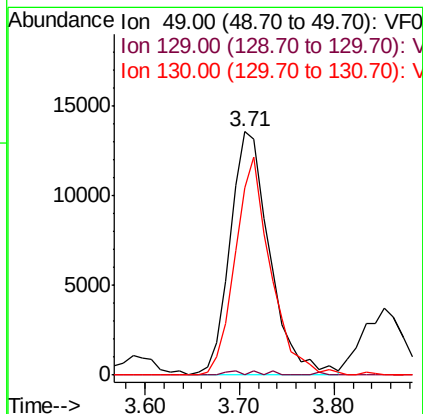
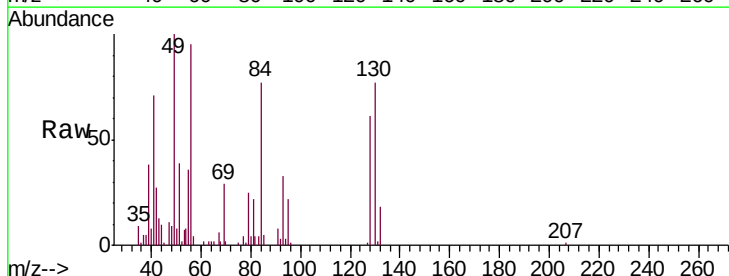
Tgt Ion: 96 Resp: 63456
Ion Ratio Lower Upper
96 100
61 144.9 0.0 263.0
98 66.0 0.0 130.6

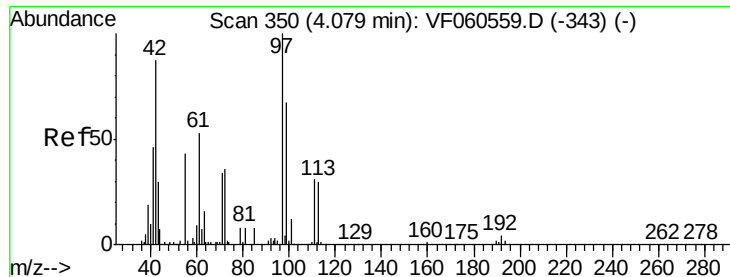


#28

Bromochloromethane
Concen: 23.434 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion: 49 Resp: 39476
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 76.9 61.8 92.8





#29

Tetrahydrofuran

Concen: 107.896 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

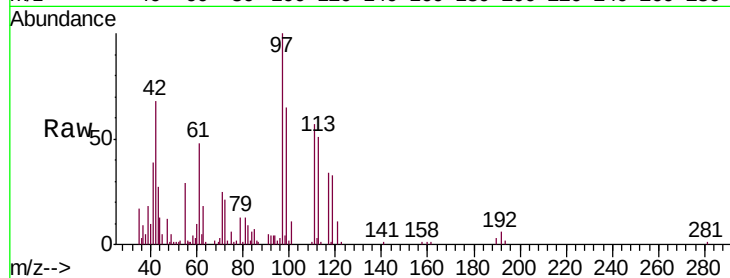
Tgt Ion: 42 Resp: 37121

Ion Ratio Lower Upper

42 100

72 34.7 31.4 47.0

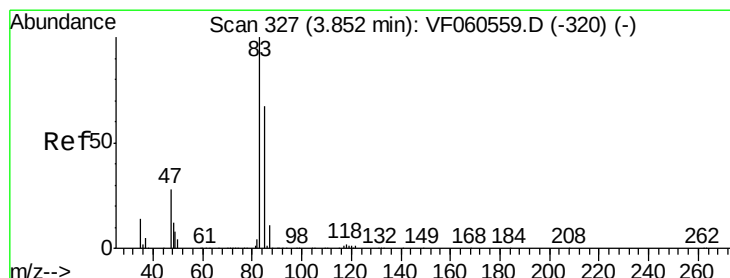
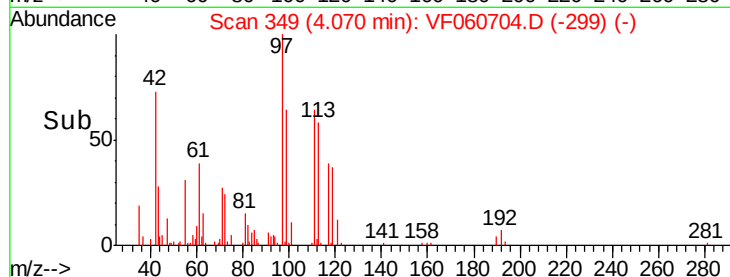
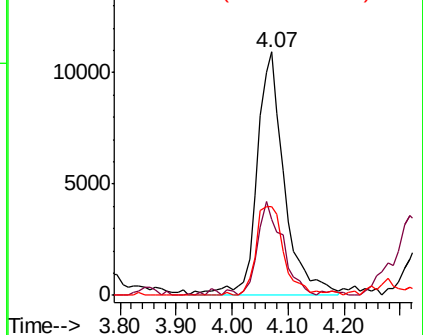
71 37.7 31.8 47.6



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: 26.583 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF060704.D

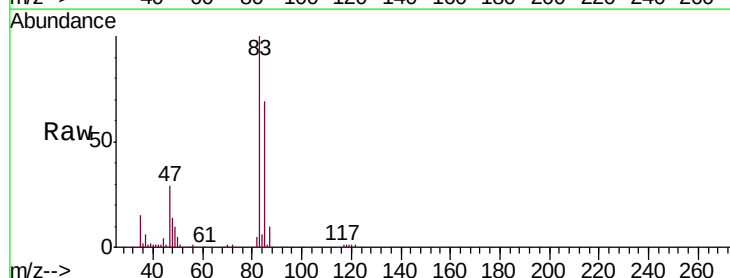
Acq: 12 Nov 2018 00:48

Tgt Ion: 83 Resp: 112892

Ion Ratio Lower Upper

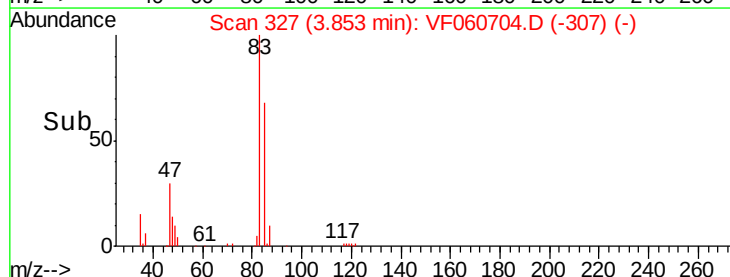
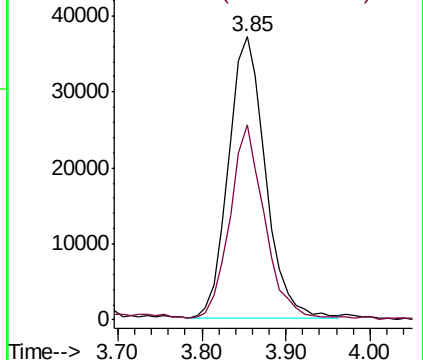
83 100

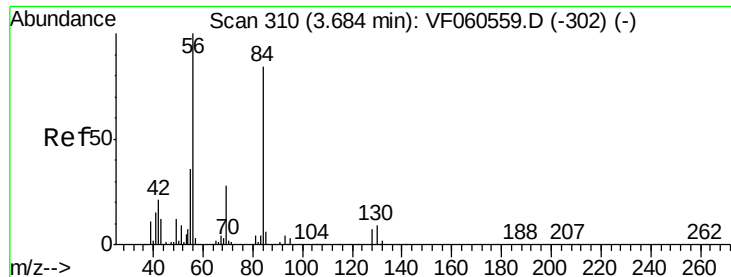
85 68.7 53.7 80.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

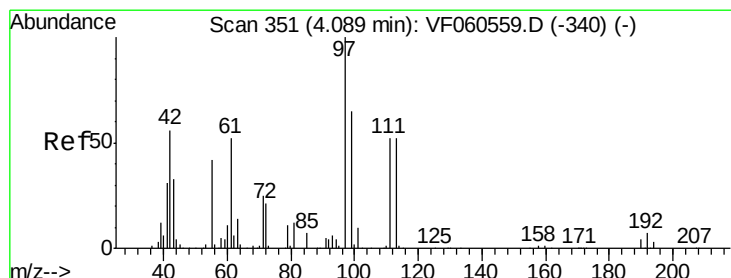
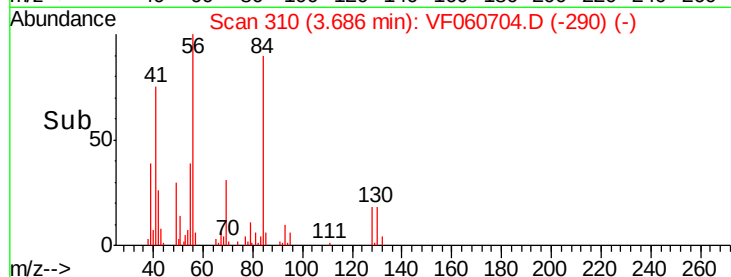
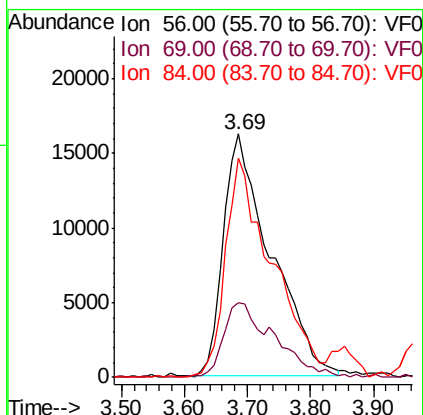
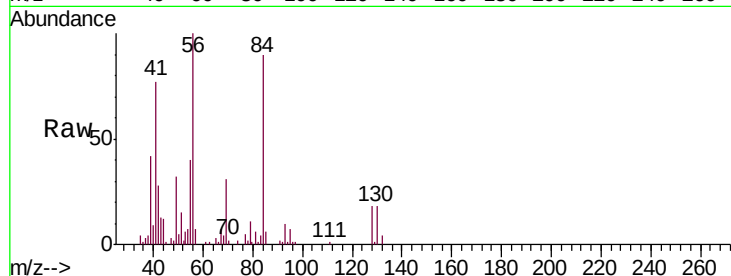




#31
Cyclohexane
Concen: 22.787 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

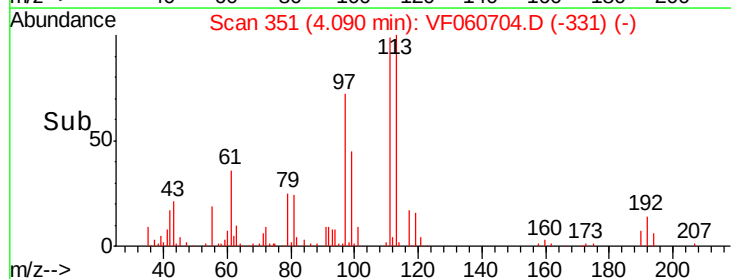
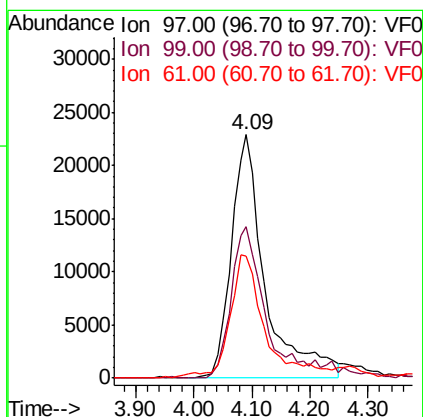
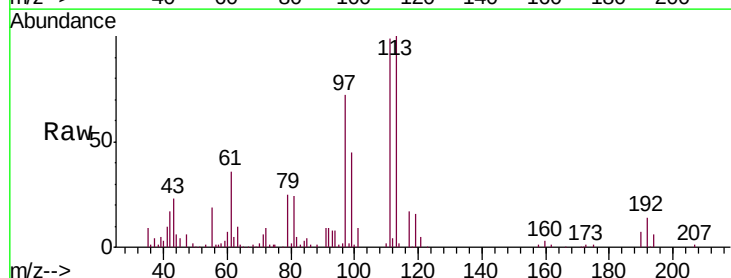
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

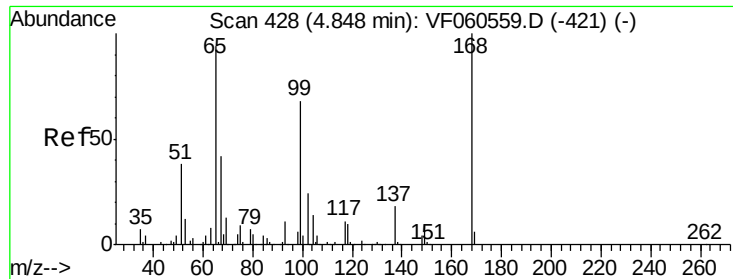
Tgt Ion: 56 Resp: 84408
Ion Ratio Lower Upper
56 100
69 30.9 23.0 34.4
84 90.3 67.1 100.7



#32
1,1,1-Trichloroethane
Concen: 31.129 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion: 97 Resp: 92332
Ion Ratio Lower Upper
97 100
99 62.4 52.4 78.6
61 50.1 41.5 62.3

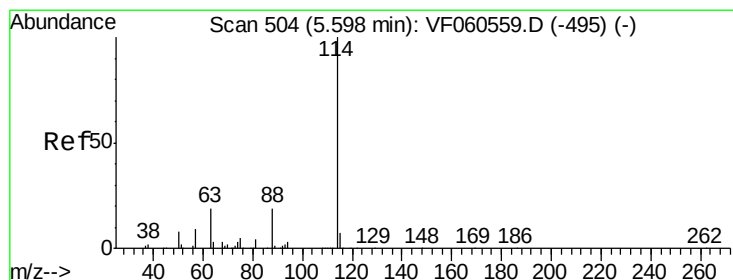
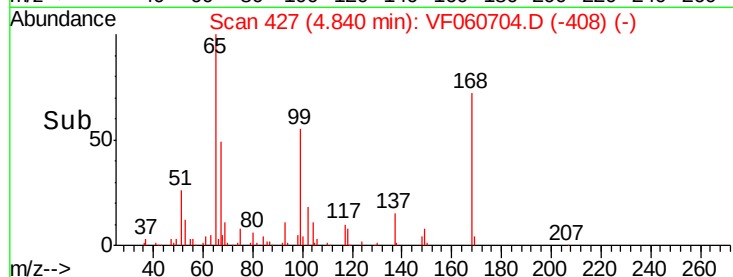
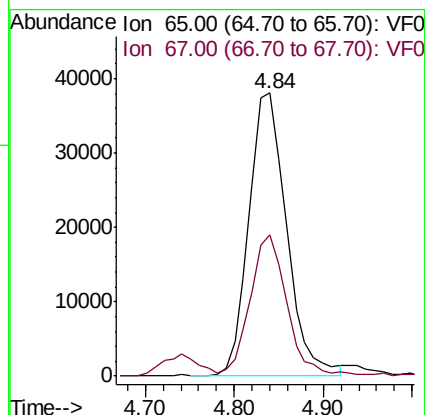
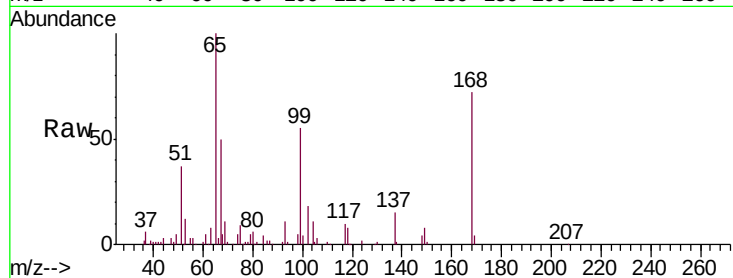




#33
 1,2-Dichloroethane-d4
 Concen: 60.079 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

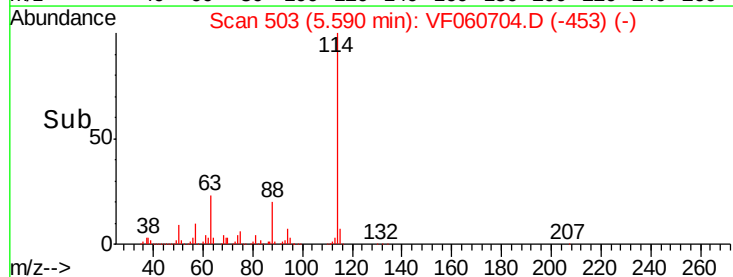
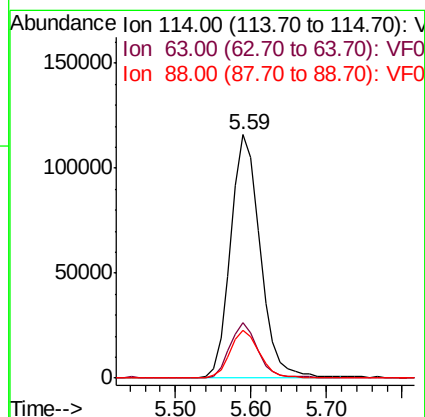
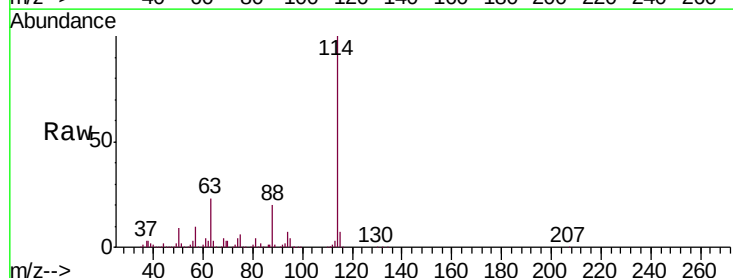
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

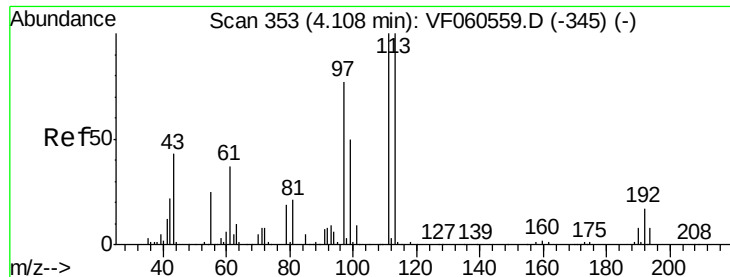
Tgt Ion: 65 Resp: 112025
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion: 114 Resp: 314517
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 39.0
 88 19.9 0.0 38.2





#35

Dibromofluoromethane

Concen: 55.641 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

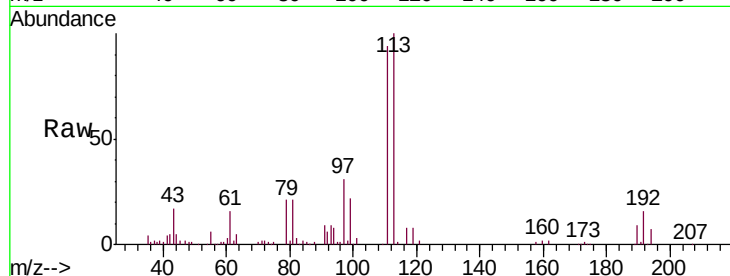
Tgt Ion:113 Resp: 135204

Ion Ratio Lower Upper

113 100

111 94.3 79.9 119.9

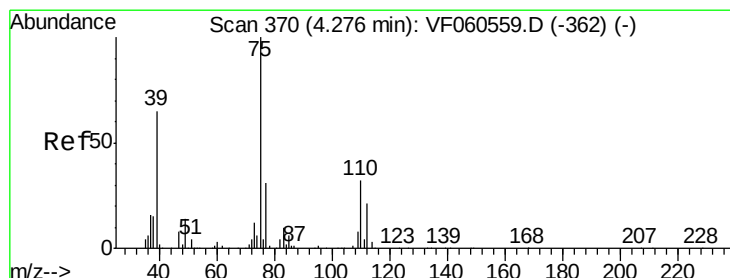
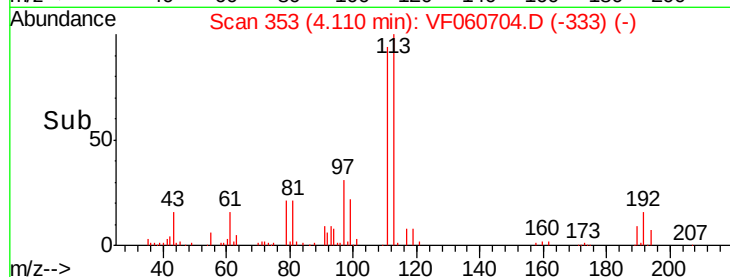
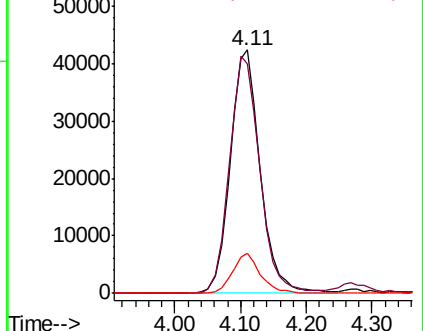
192 16.3 13.3 19.9



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: 23.786 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

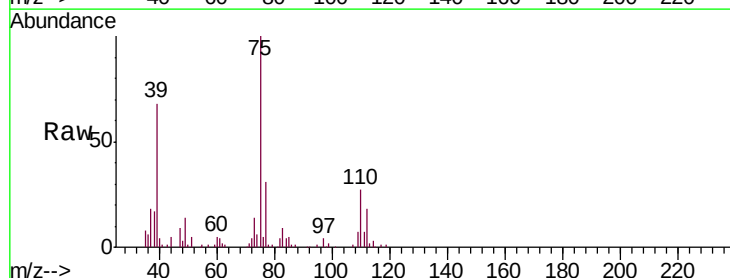
Tgt Ion: 75 Resp: 82373

Ion Ratio Lower Upper

75 100

110 26.7 16.2 48.6

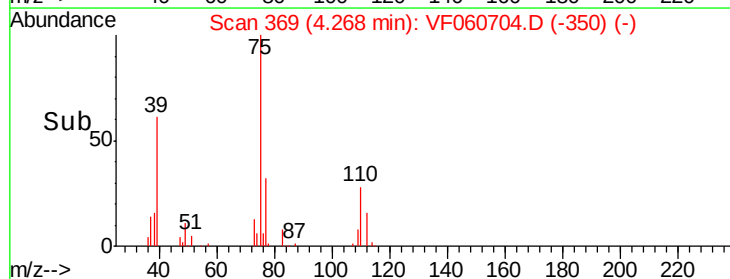
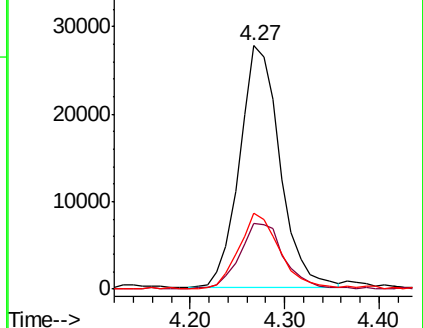
77 31.3 25.0 37.6

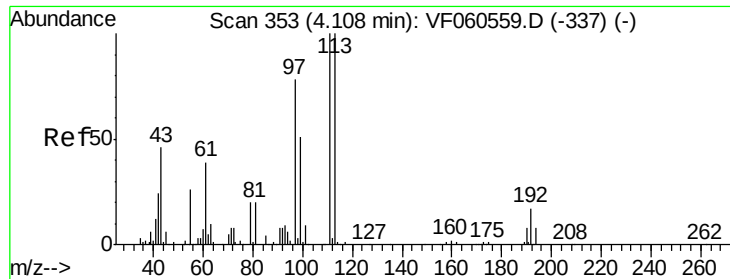


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

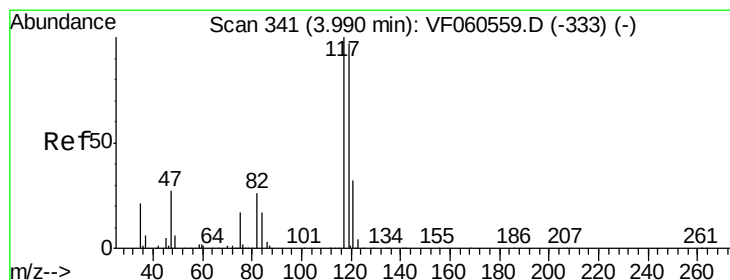
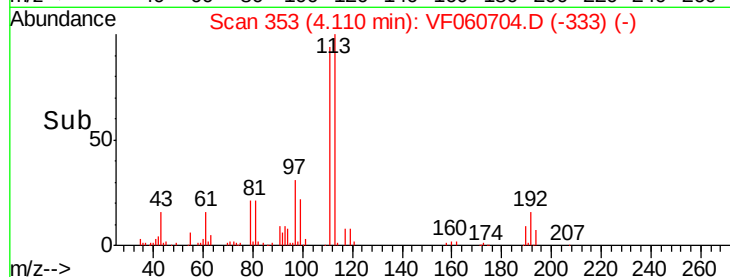
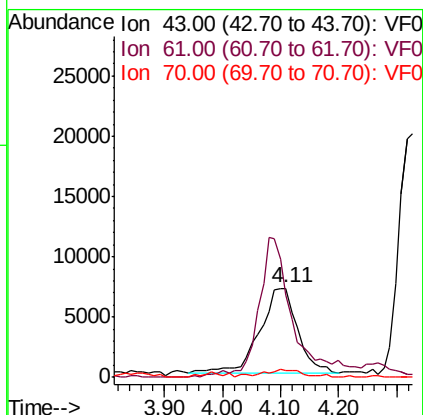
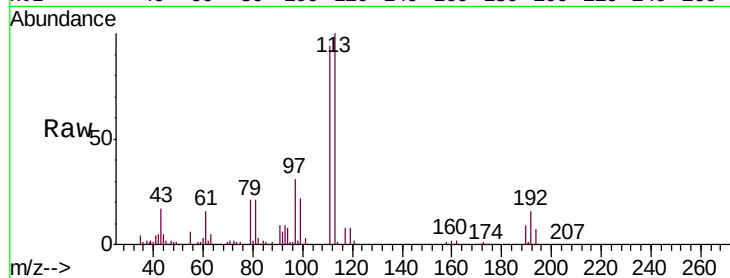




#37
Ethyl Acetate
Concen: 19.566 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

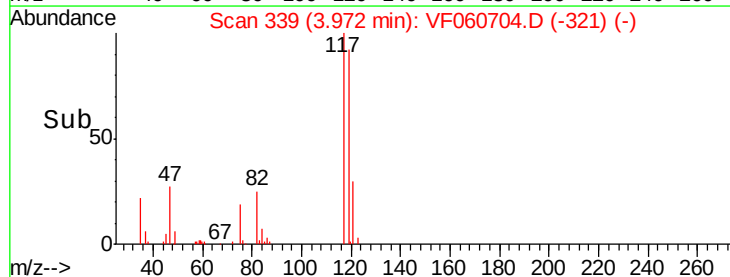
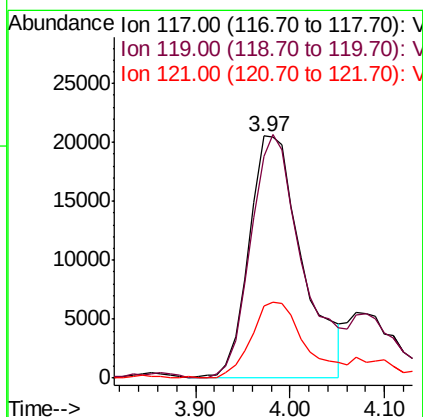
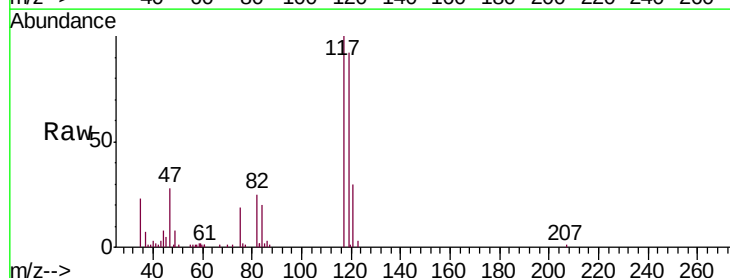
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

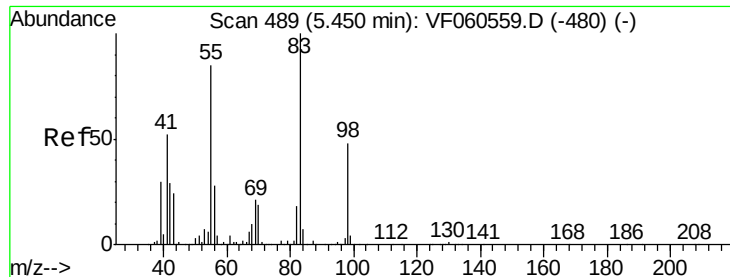
Tgt Ion: 43 Resp: 32526
Ion Ratio Lower Upper
43 100
61 92.6 63.4 95.2
70 7.8 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 27.116 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion: 117 Resp: 80241
Ion Ratio Lower Upper
117 100
119 91.8 77.8 116.6
121 30.0 25.6 38.4

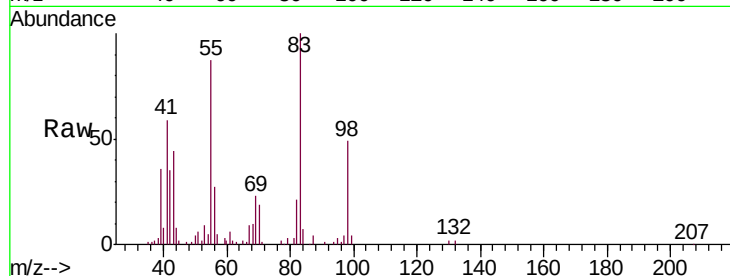




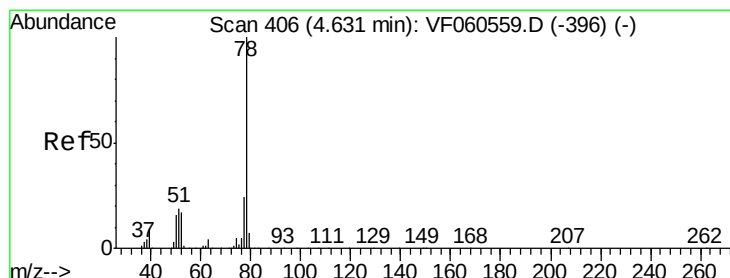
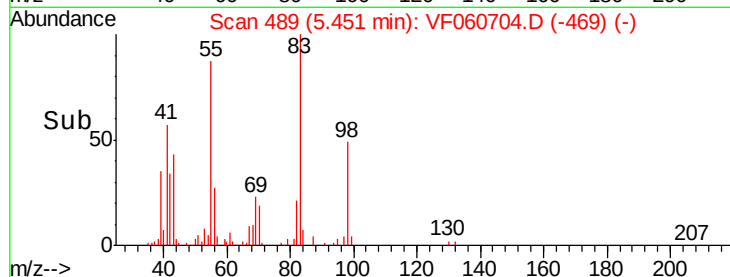
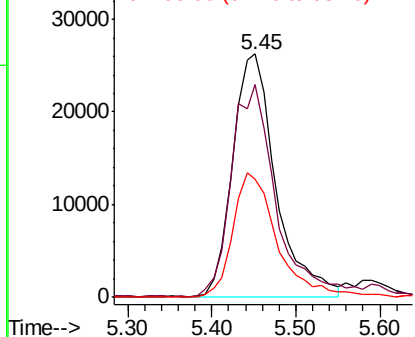
#39
Methylcyclohexane
Concen: 22.355 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tgt Ion: 83 Resp: 94474
Ion Ratio Lower Upper
83 100
55 87.3 69.1 103.7
98 48.6 38.6 57.8

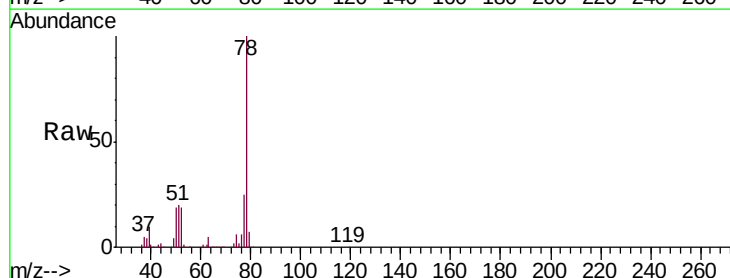


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

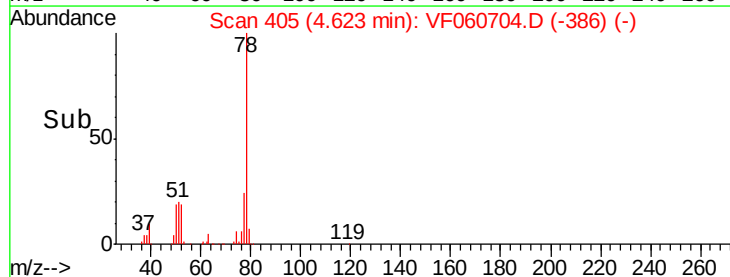
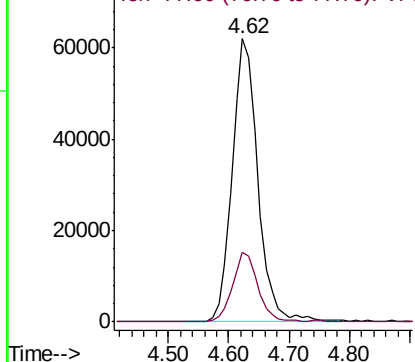


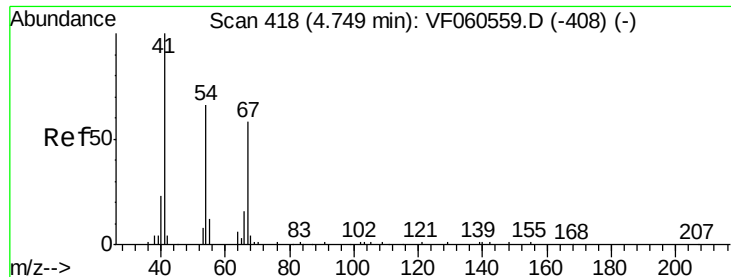
#40
Benzene
Concen: 21.777 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion: 78 Resp: 183058
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

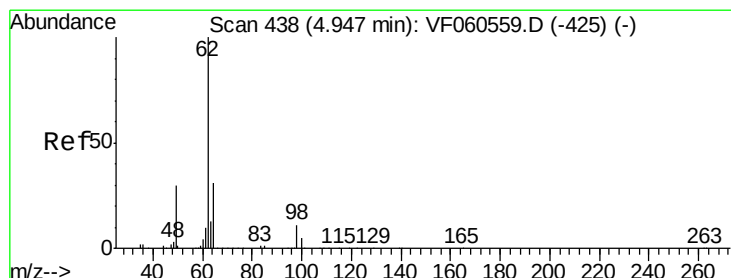
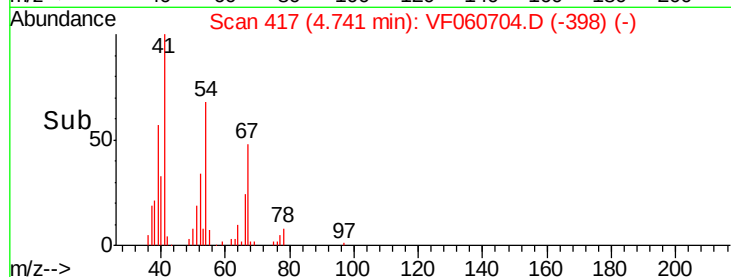
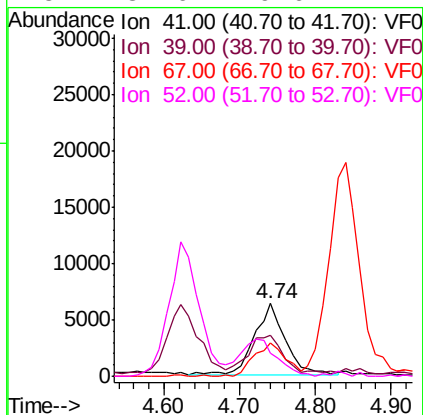
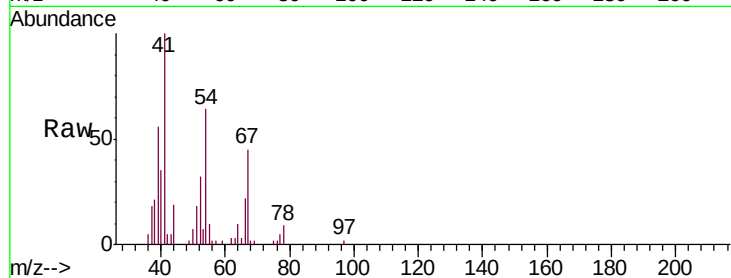




#41
Methacrylonitrile
Concen: 19.348 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

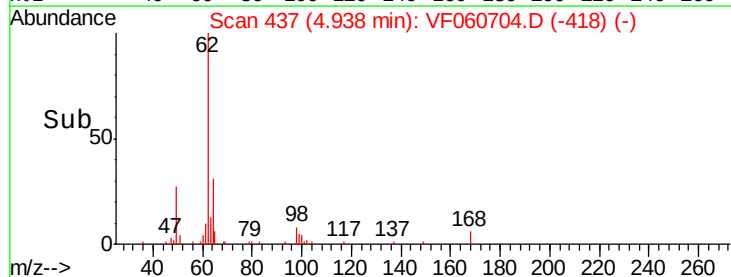
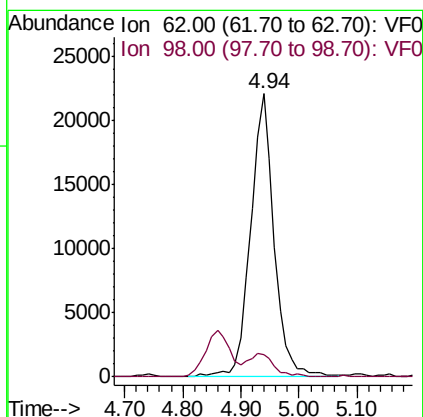
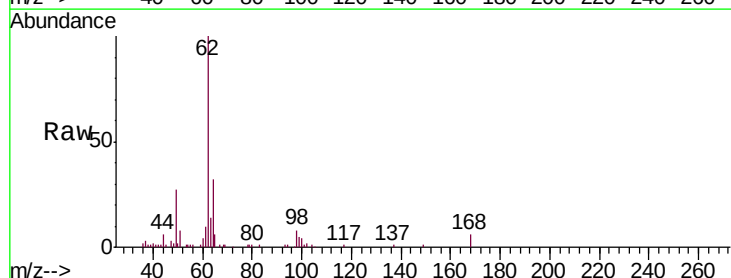
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

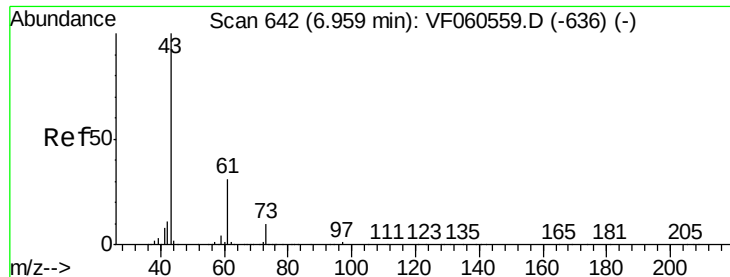
Tgt Ion:	41	Resp:	18215
Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.6	68.4
67	45.1	45.3	67.9#
52	31.6	29.6	44.4



#42
1,2-Dichloroethane
Concen: 25.966 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion:	62	Resp:	62646
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	22.4





#43

Isopropyl Acetate

Concen: 17.433 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

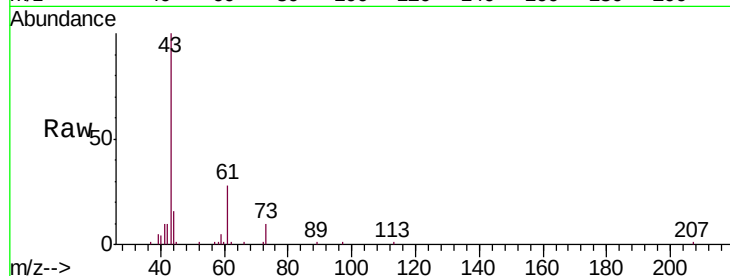
Tgt Ion: 43 Resp: 36657

Ion Ratio Lower Upper

43 100

61 27.8 24.2 36.2

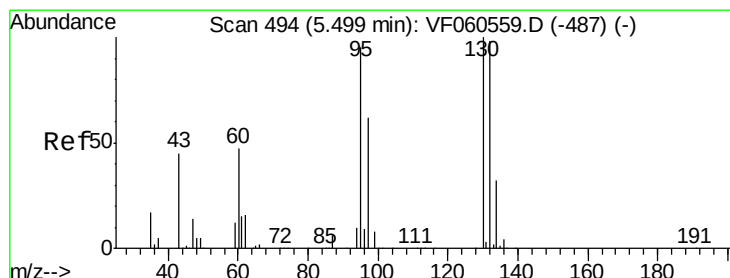
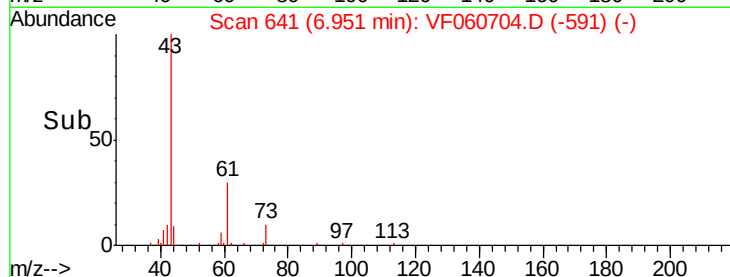
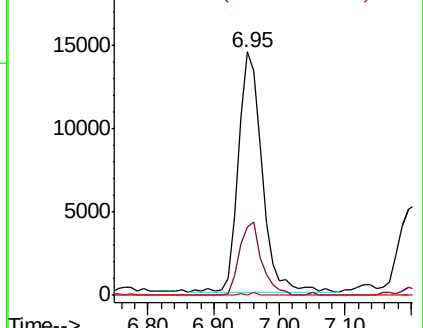
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 23.390 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF060704.D

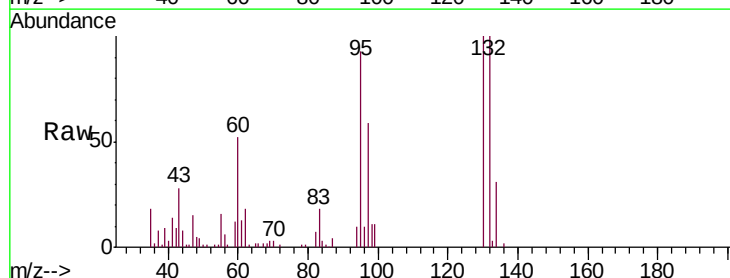
Acq: 12 Nov 2018 00:48

Tgt Ion: 130 Resp: 59090

Ion Ratio Lower Upper

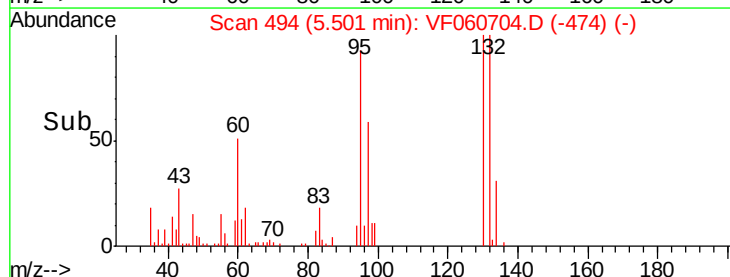
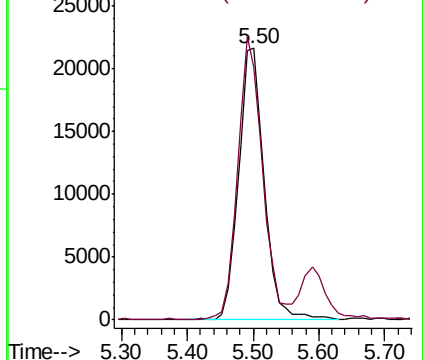
130 100

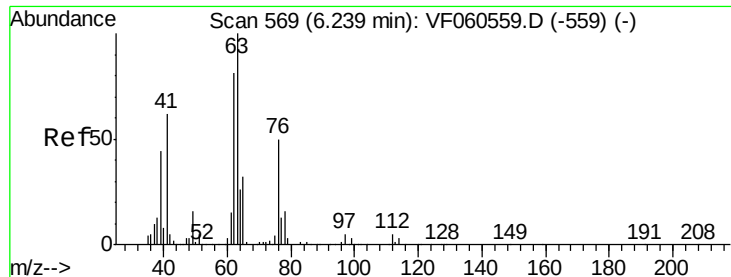
95 93.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.491 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

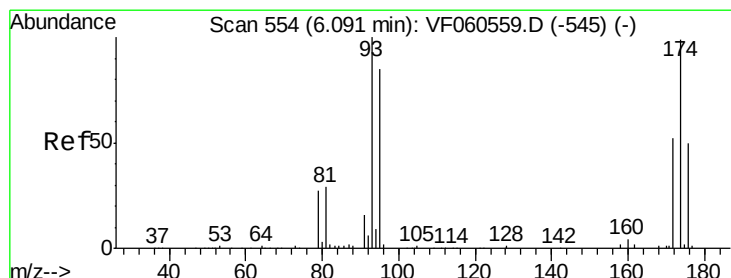
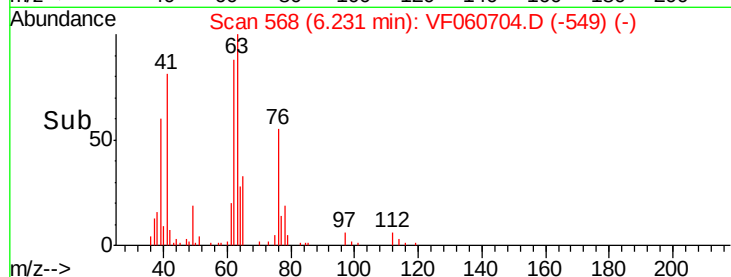
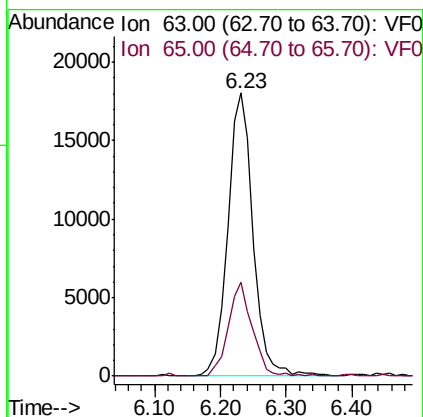
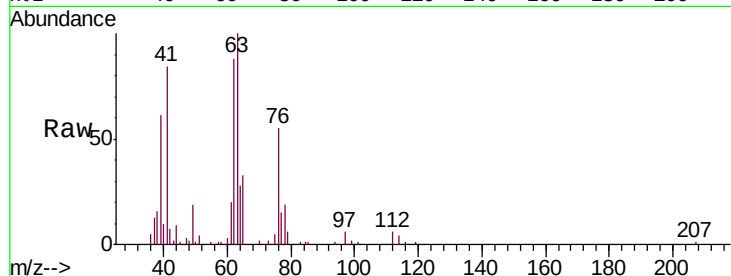
VF1112SBSD01

Tgt Ion: 63 Resp: 48353

Ion Ratio Lower Upper

63 100

65 33.3 25.4 38.0



#46

Dibromomethane

Concen: 24.503 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

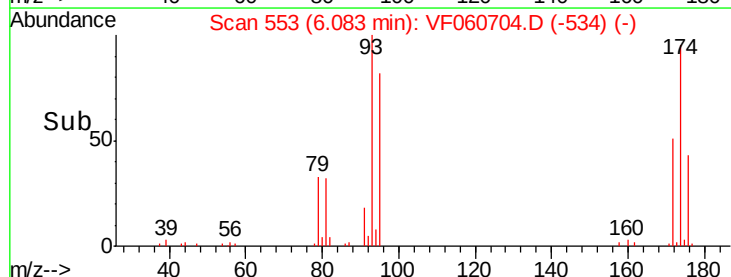
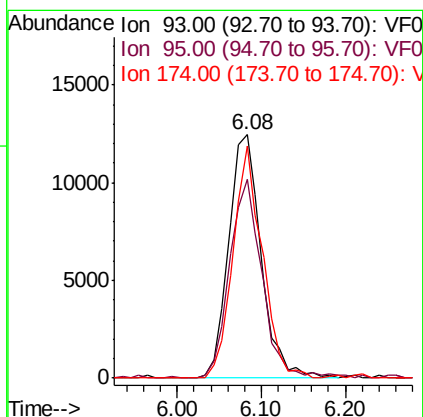
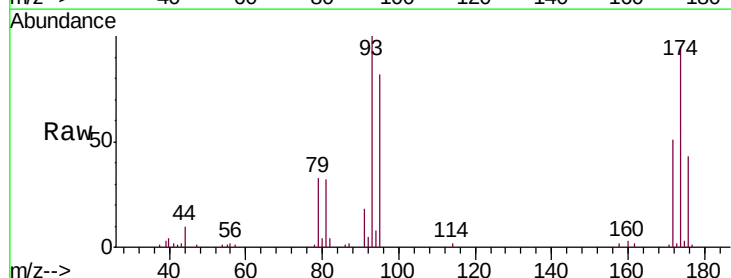
Tgt Ion: 93 Resp: 33420

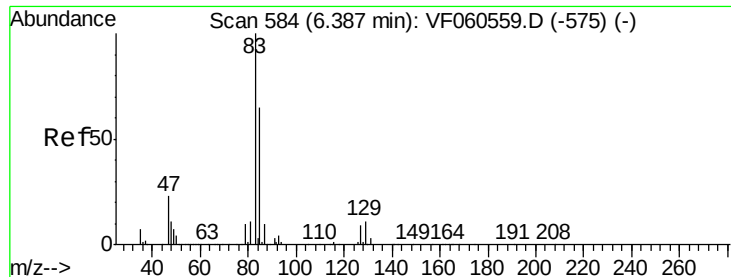
Ion Ratio Lower Upper

93 100

95 81.6 68.6 102.8

174 95.4 79.0 118.4





#47

Bromodichloromethane

Concen: 24.751 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

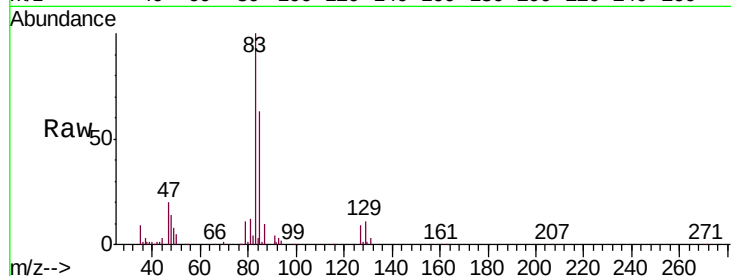
Tgt Ion: 83 Resp: 81426

Ion Ratio Lower Upper

83 100

85 62.9 51.8 77.6

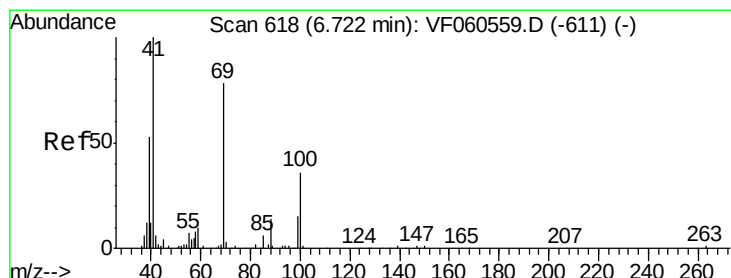
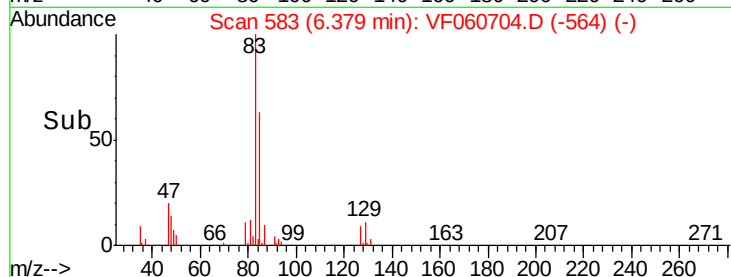
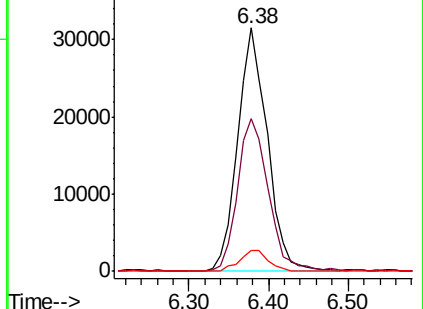
127 8.5 7.0 10.4



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: 19.123 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

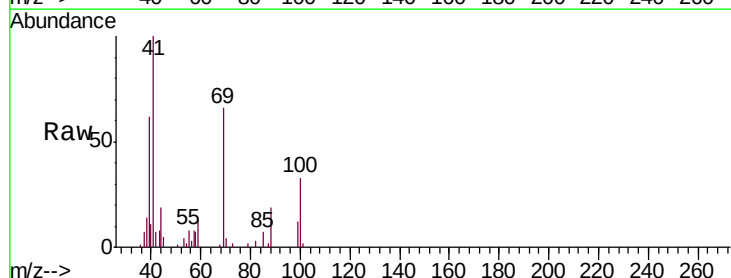
Tgt Ion: 41 Resp: 25272

Ion Ratio Lower Upper

41 100

69 65.7 61.1 91.7

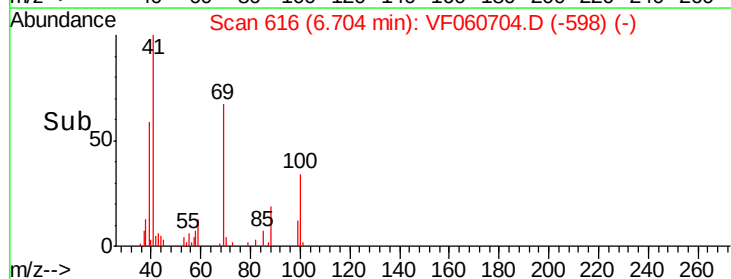
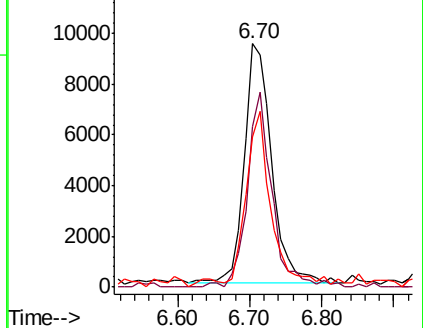
39 61.7 43.0 64.6

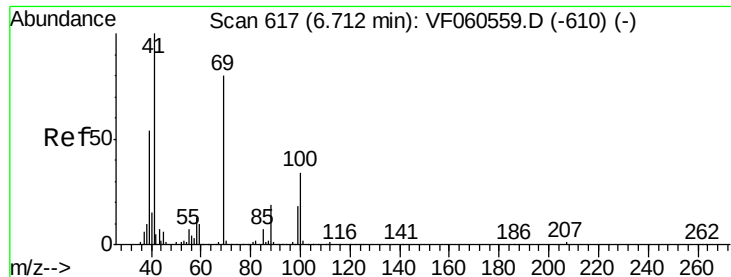


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 345.246 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

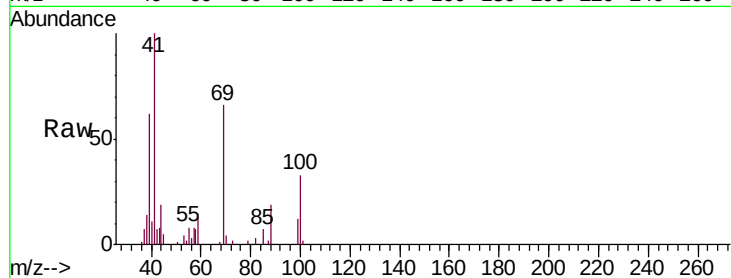
Tgt Ion: 88 Resp: 4773

Ion Ratio Lower Upper

88 100

43 41.2 61.2 91.8#

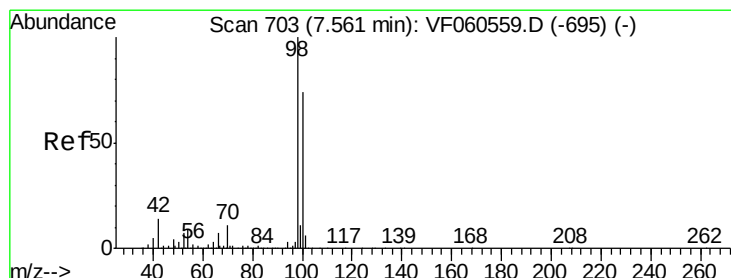
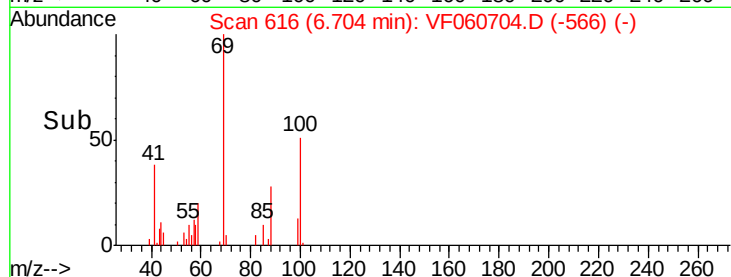
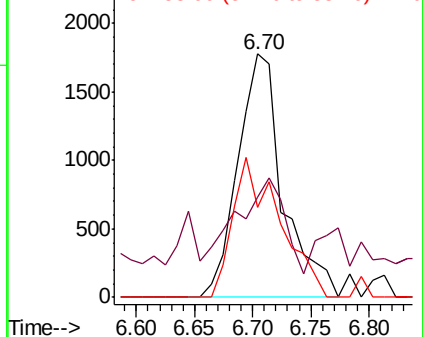
58 37.1 56.9 85.3#



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: 49.330 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060704.D

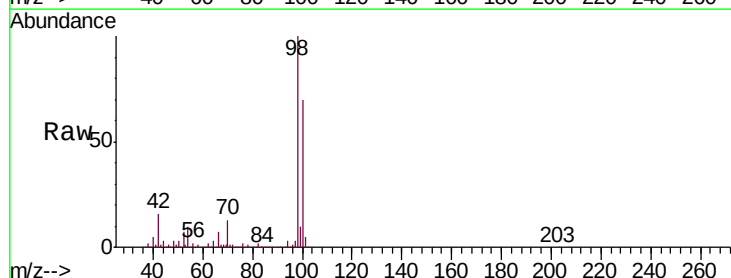
Acq: 12 Nov 2018 00:48

Tgt Ion: 98 Resp: 355088

Ion Ratio Lower Upper

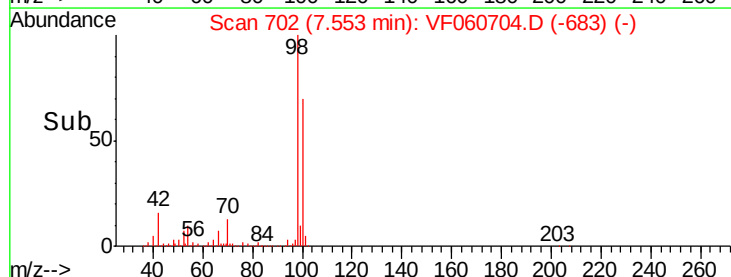
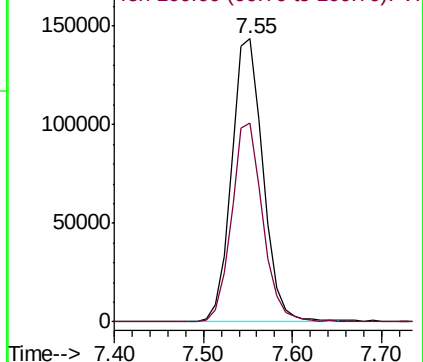
98 100

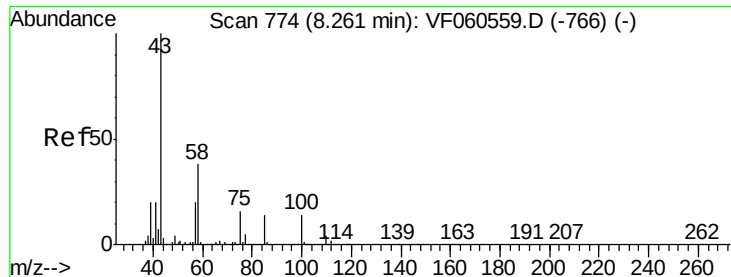
100 70.3 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

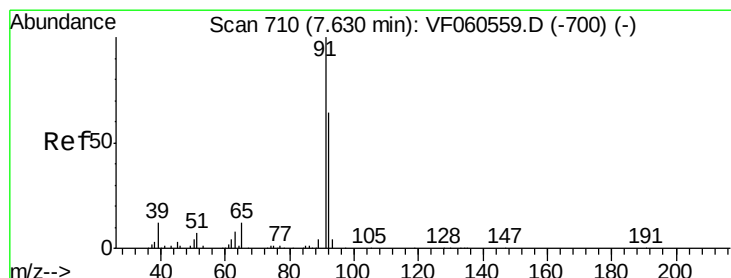
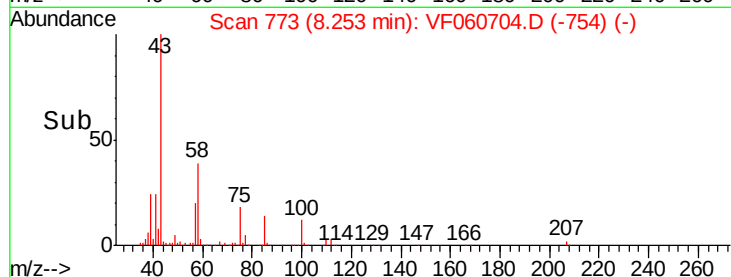
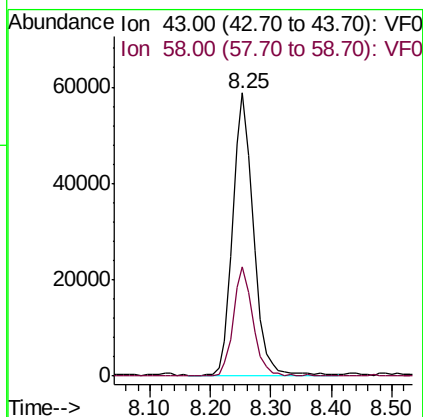
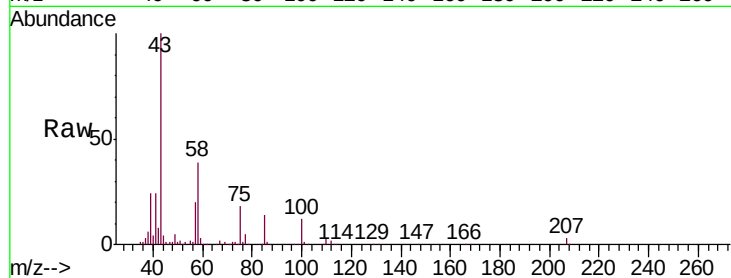




#51
 4-Methyl-2-Pentanone
 Concen: 100.375 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

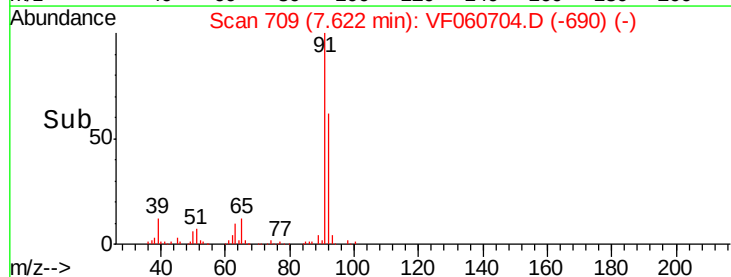
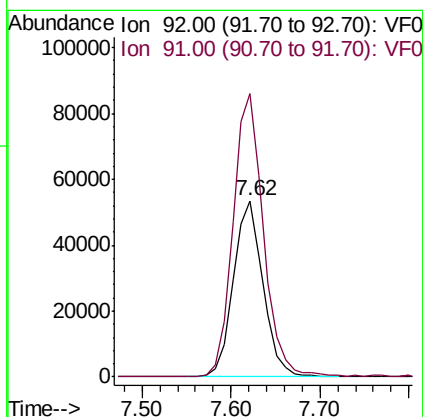
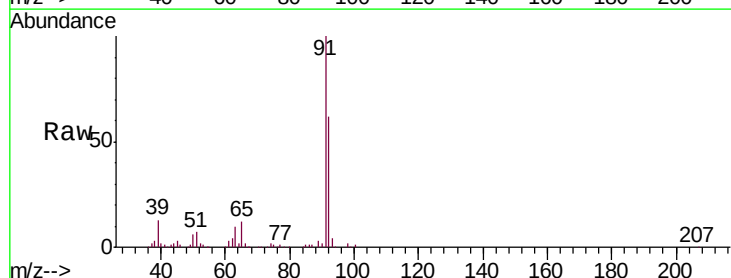
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

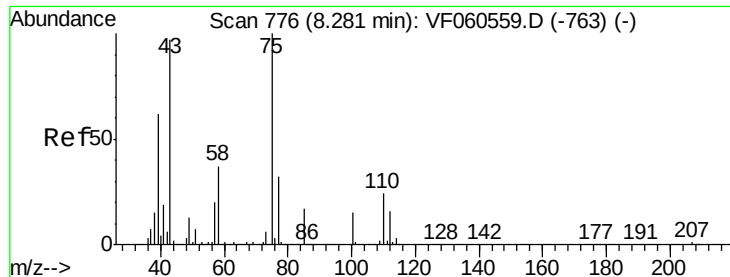
Tgt Ion: 43 Resp: 141936
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.1 45.1



#52
 Toluene
 Concen: 22.651 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion: 92 Resp: 124030
 Ion Ratio Lower Upper
 92 100
 91 160.4 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 22.092 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

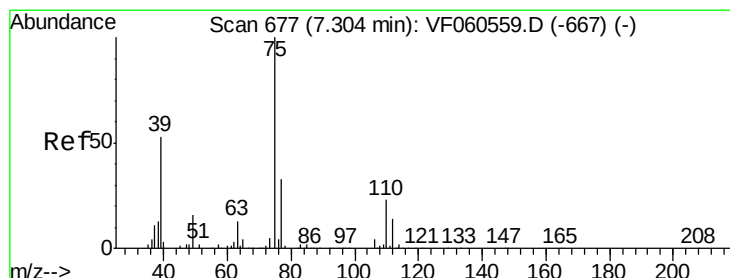
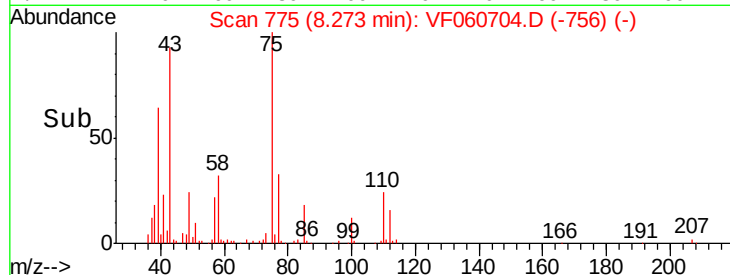
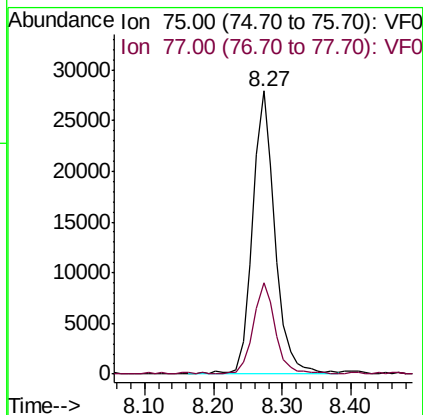
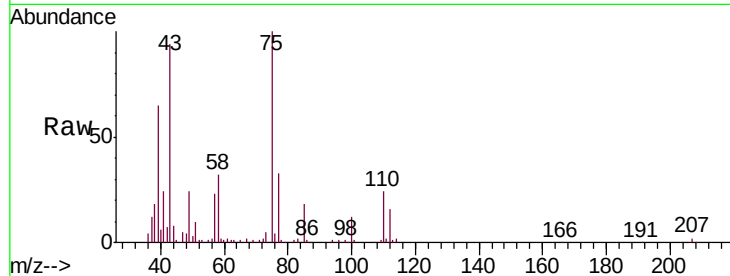
VF1112SBSD01

Tgt Ion: 75 Resp: 63167

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 22.859 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

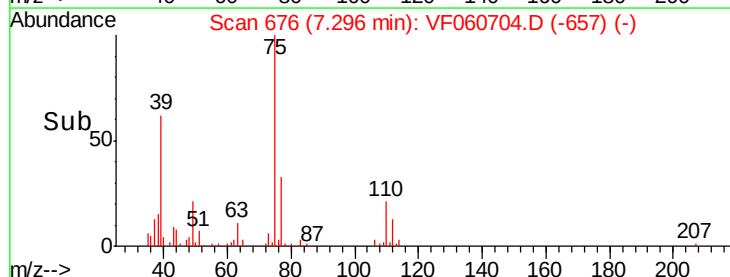
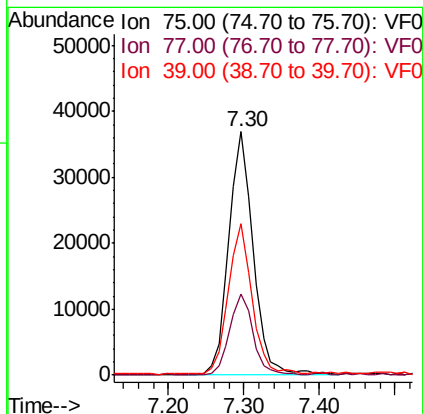
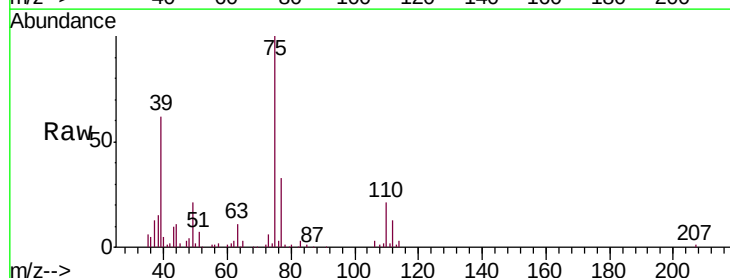
Tgt Ion: 75 Resp: 82578

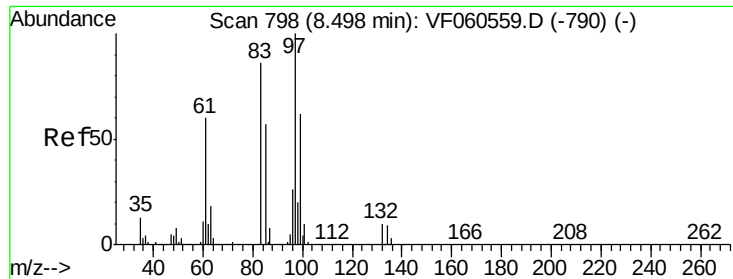
Ion Ratio Lower Upper

75 100

77 33.3 26.7 40.1

39 62.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 21.423 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tgt Ion: 97 Resp: 34136

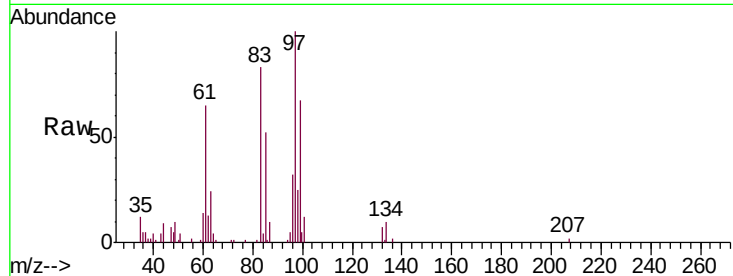
Ion Ratio Lower Upper

97 100

83 83.5 69.4 104.0

85 52.3 46.6 69.8

99 66.8 50.0 75.0

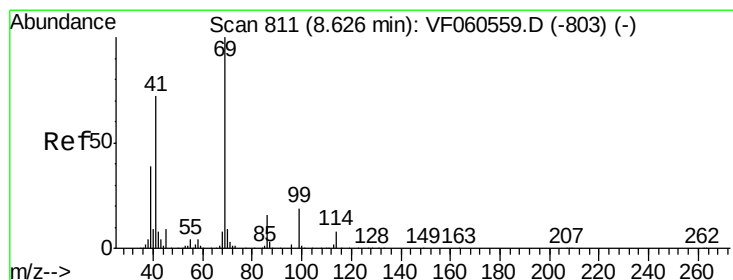
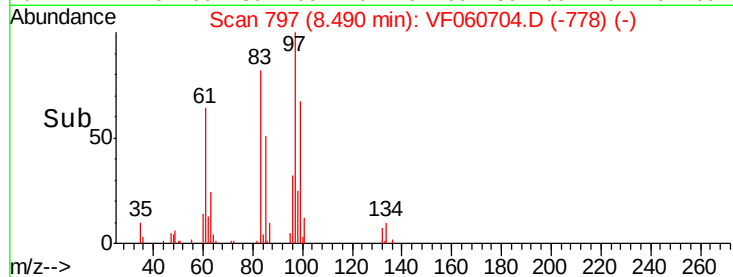
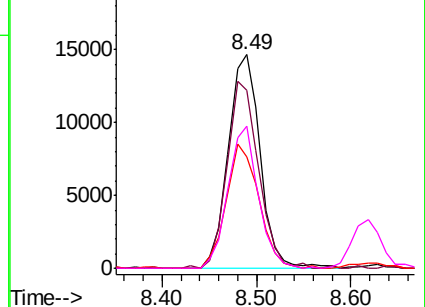


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17.808 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

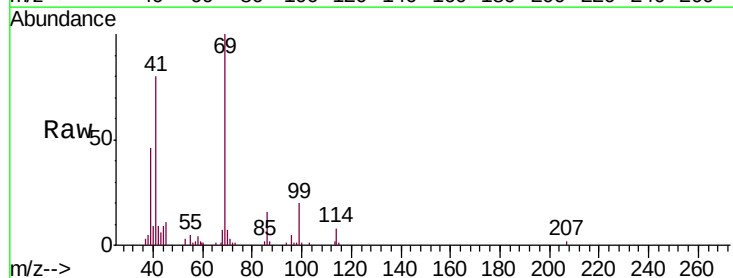
Tgt Ion: 69 Resp: 36508

Ion Ratio Lower Upper

69 100

41 80.2 59.2 88.8

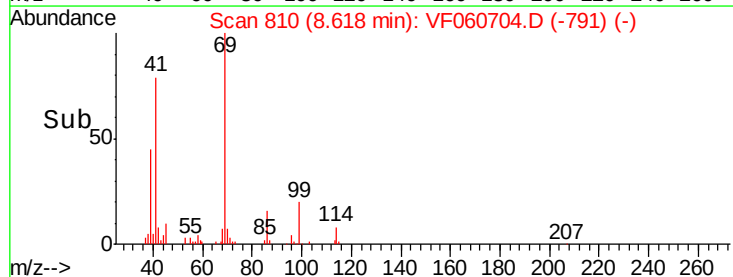
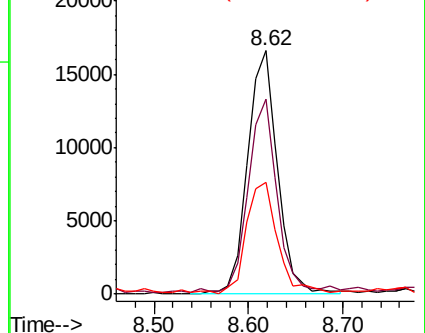
39 46.0 32.3 48.5

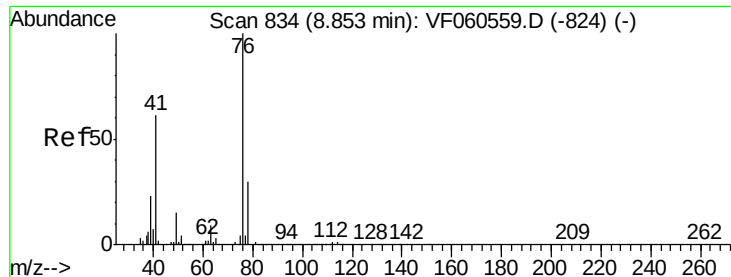


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.984 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

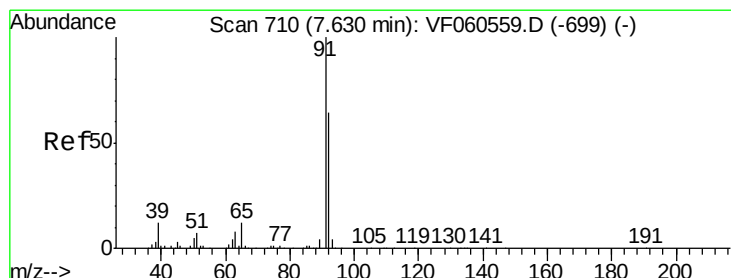
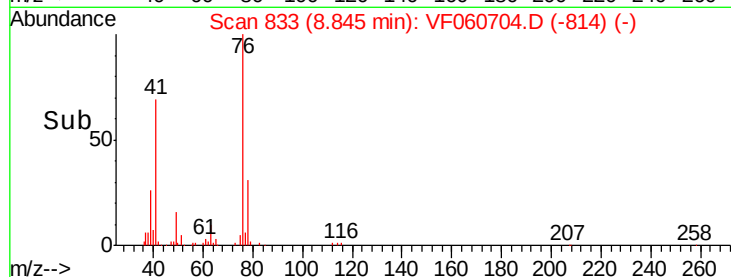
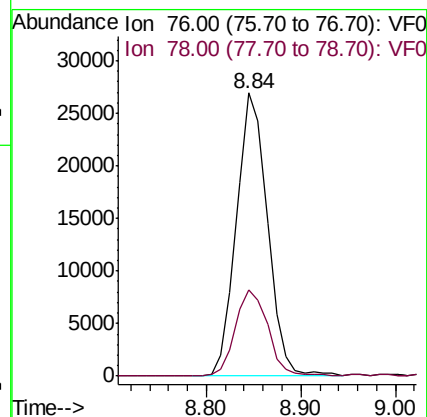
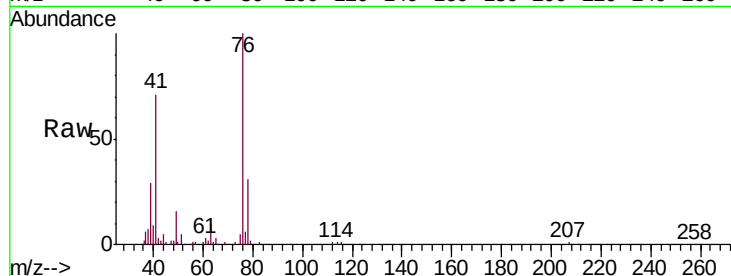
VF1112SBSD01

Tgt Ion: 76 Resp: 61466

Ion Ratio Lower Upper

76 100

78 30.6 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 136.973 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060704.D

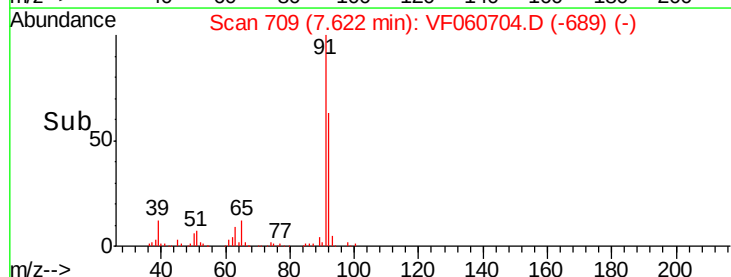
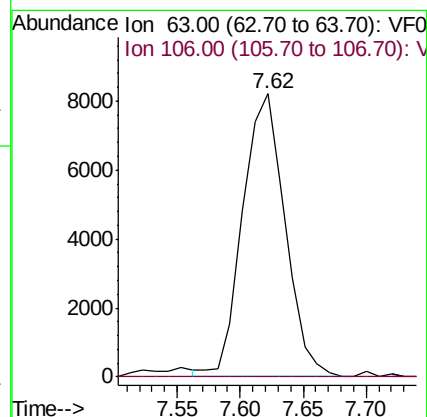
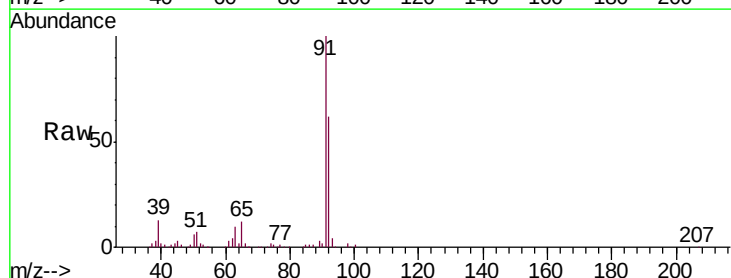
Acq: 12 Nov 2018 00:48

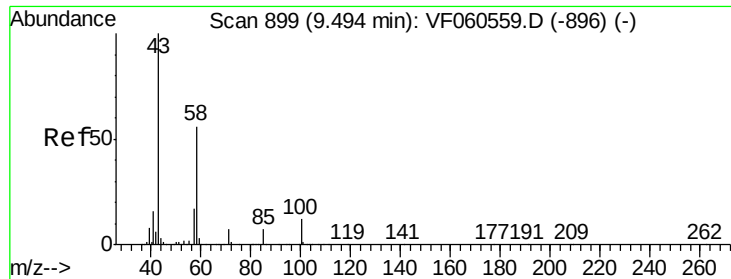
Tgt Ion: 63 Resp: 19199

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

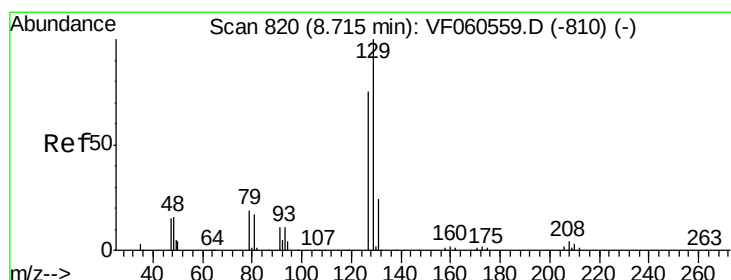
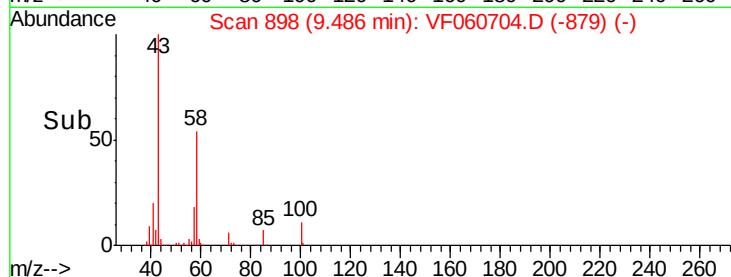
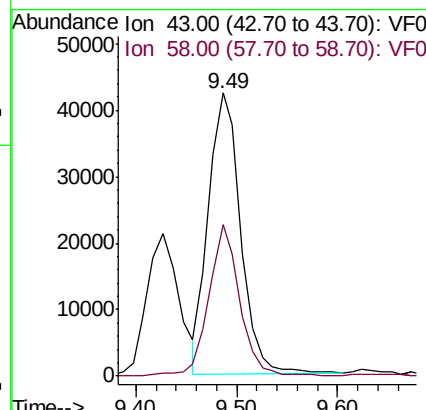
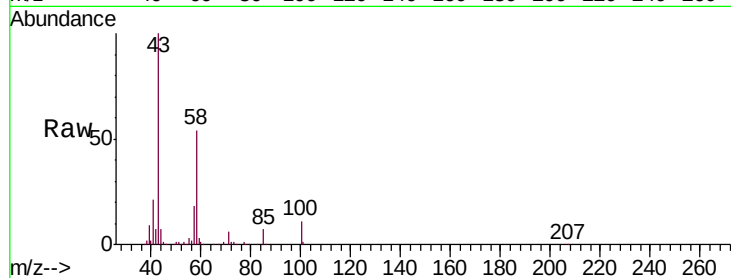




#59
2-Hexanone
Concen: 82.803 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

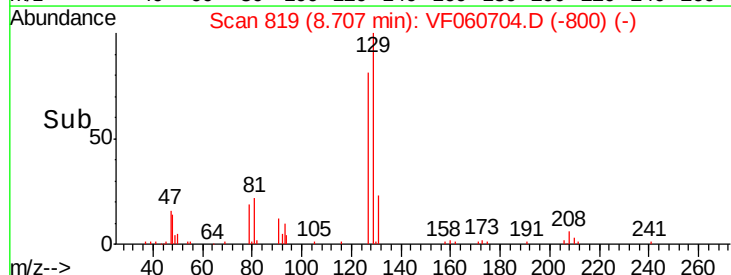
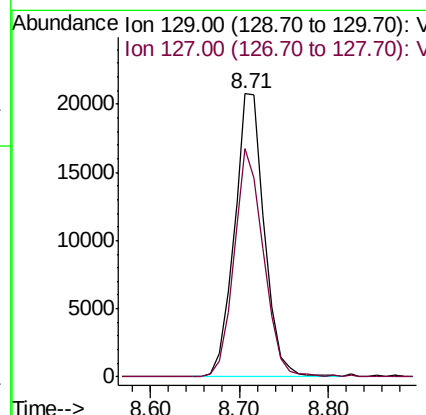
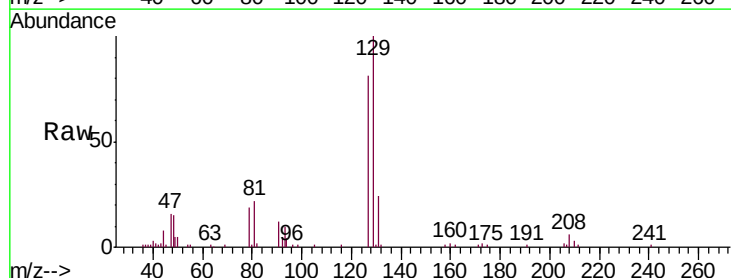
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

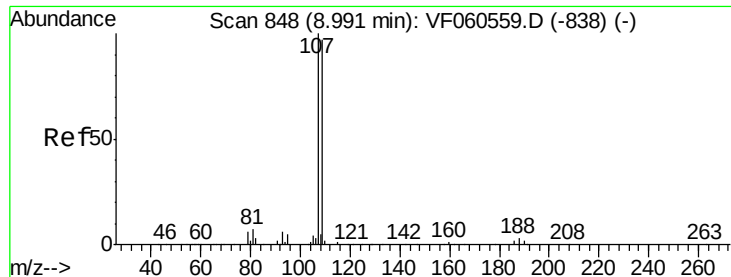
Tgt Ion: 43 Resp: 93563
Ion Ratio Lower Upper
43 100
58 53.7 26.1 78.3



#60
Dibromochloromethane
Concen: 21.892 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion: 129 Resp: 48785
Ion Ratio Lower Upper
129 100
127 80.7 37.8 113.3





#61

1,2-Dibromoethane

Concen: 22.039 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

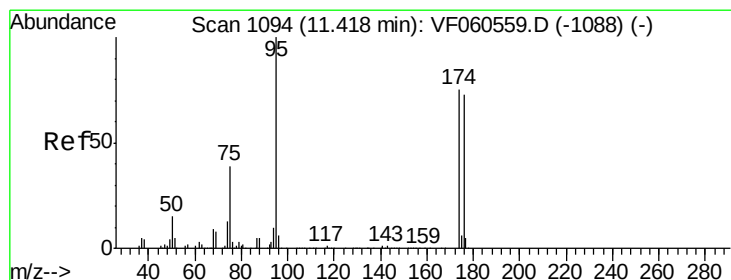
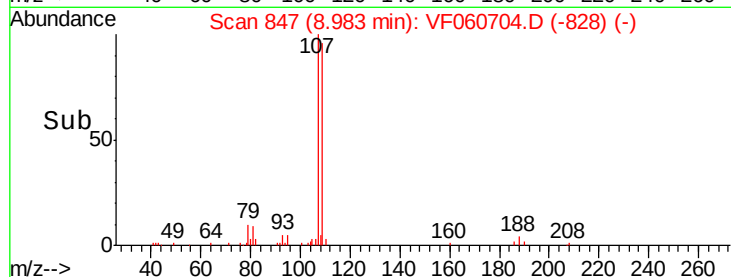
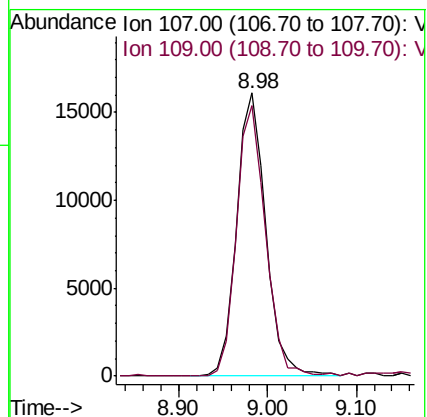
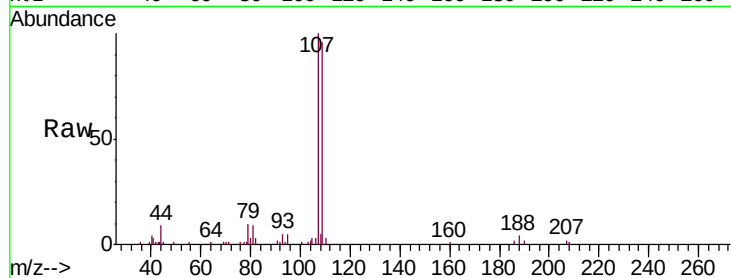
VF1112SBS01

Tgt Ion: 107 Resp: 36930

Ion Ratio Lower Upper

107 100

109 95.7 77.5 116.3



#62

4-Bromofluorobenzene

Concen: 52.771 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

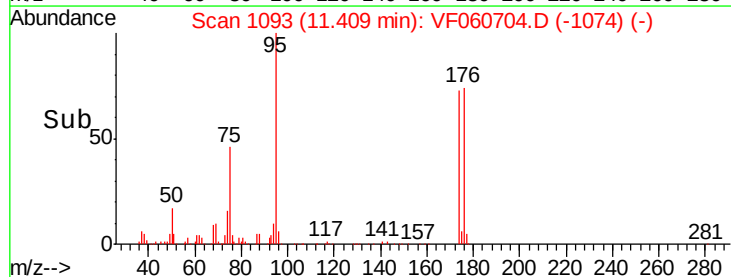
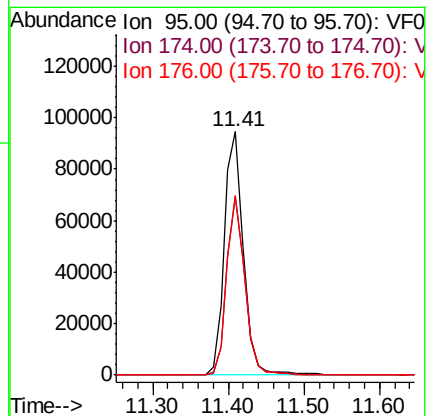
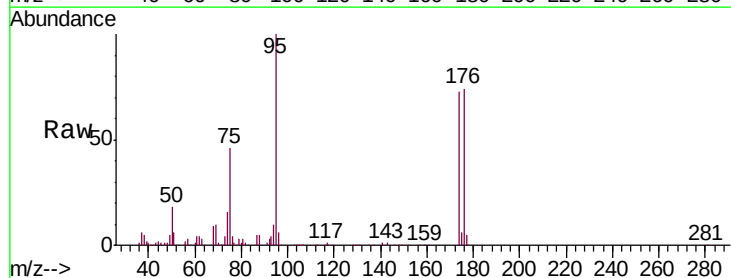
Tgt Ion: 95 Resp: 166157

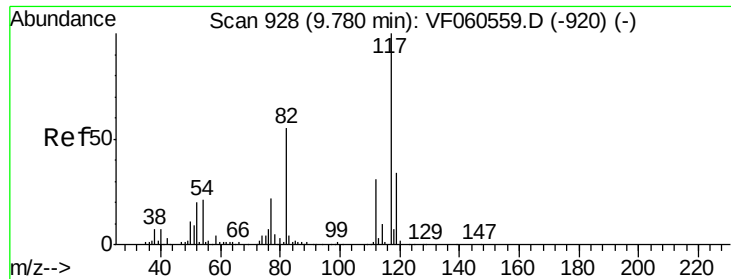
Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.0

176 73.8 0.0 145.6

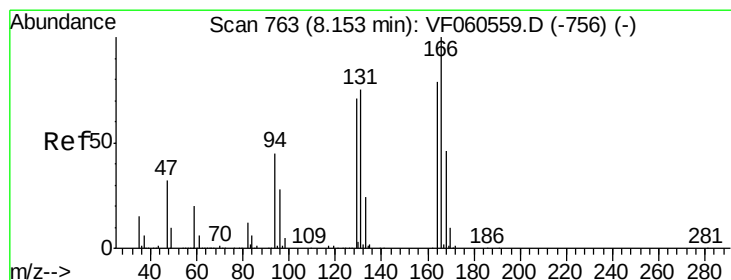
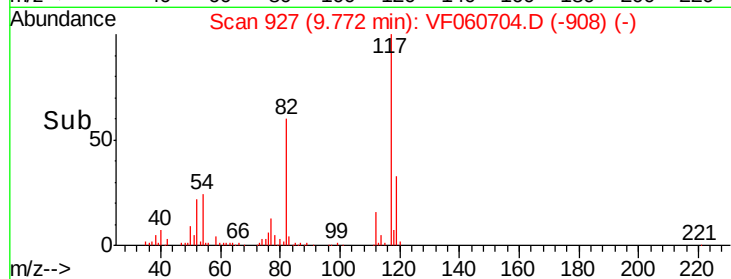
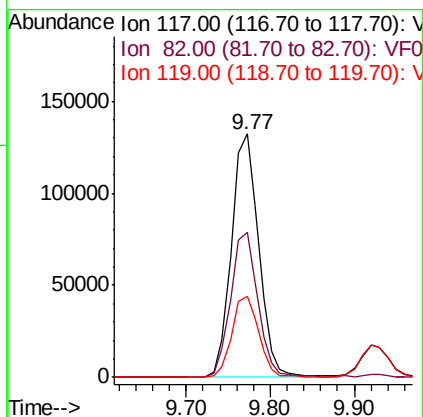
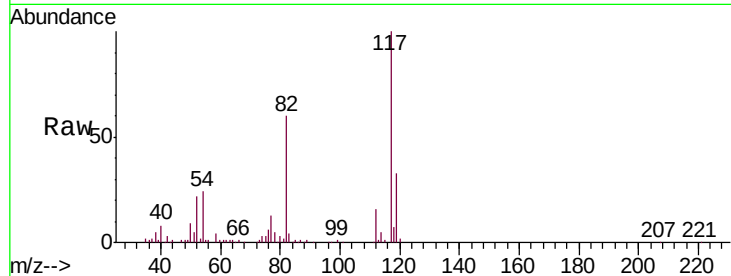




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

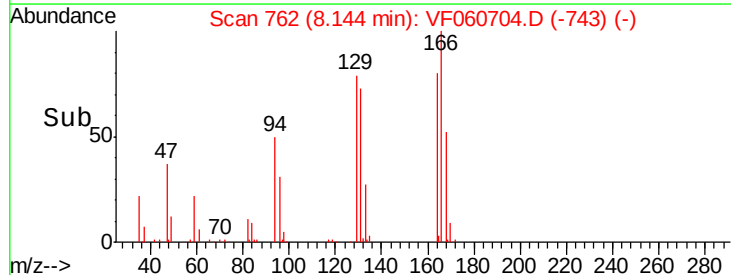
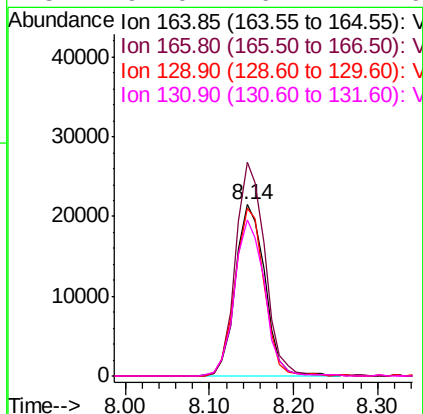
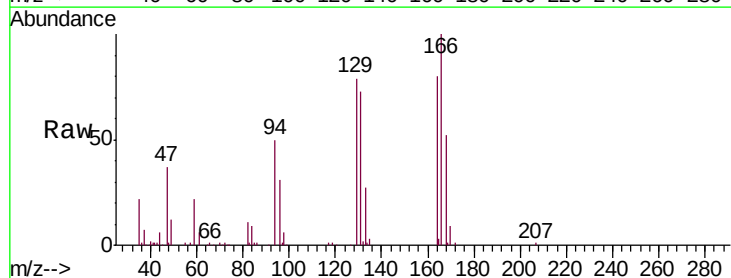
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

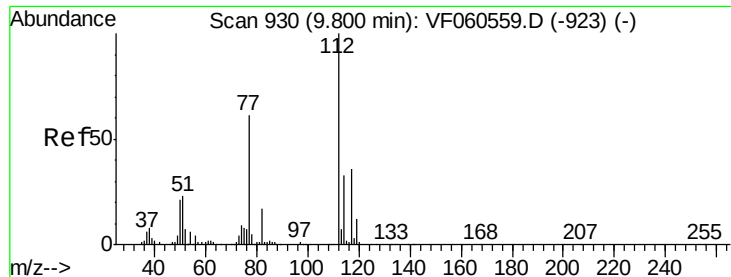
Tgt Ion:117 Resp: 300212
Ion Ratio Lower Upper
117 100
82 59.8 43.9 65.9
119 33.4 27.4 41.0



#64
Tetrachloroethene
Concen: 22.211 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion:164 Resp: 52257
Ion Ratio Lower Upper
164 100
166 124.9 101.5 152.3
129 98.4 72.5 108.7
131 91.0 76.4 114.6

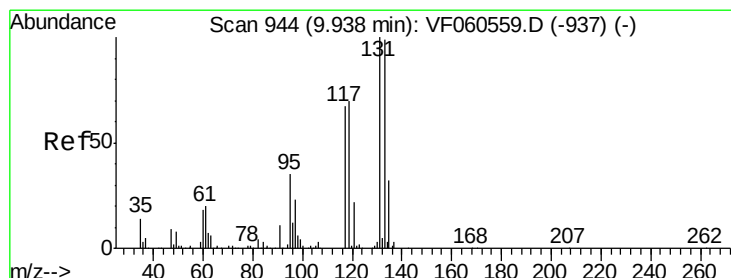
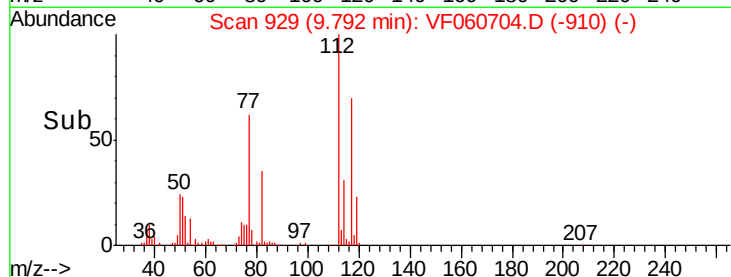
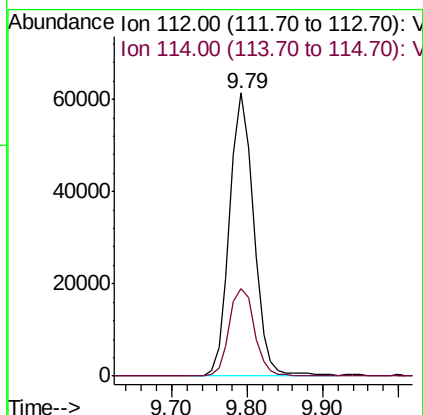
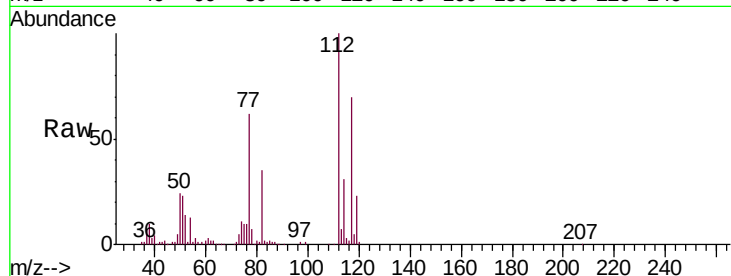




#65
Chlorobenzene
Concen: 22.200 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

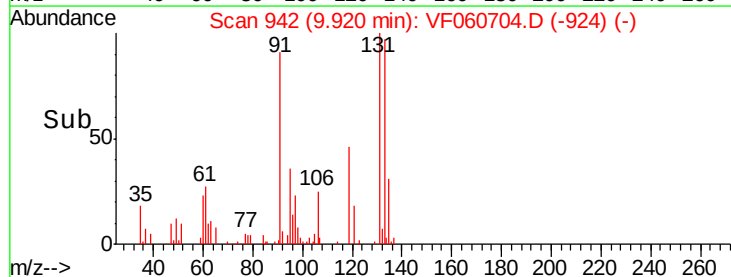
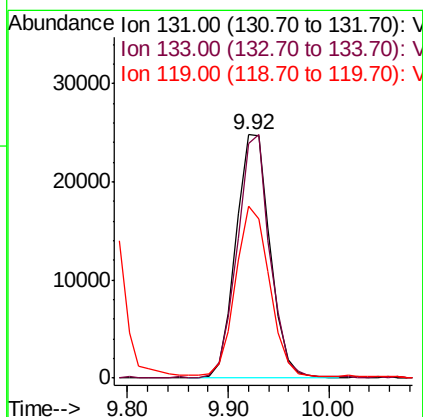
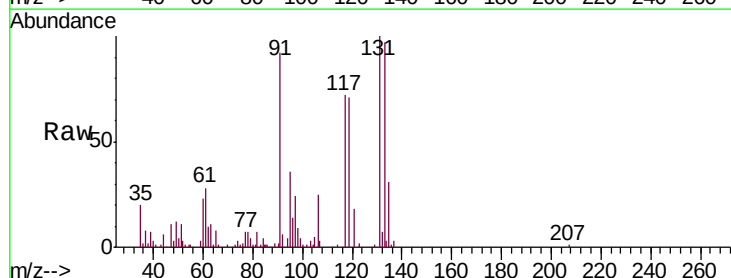
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

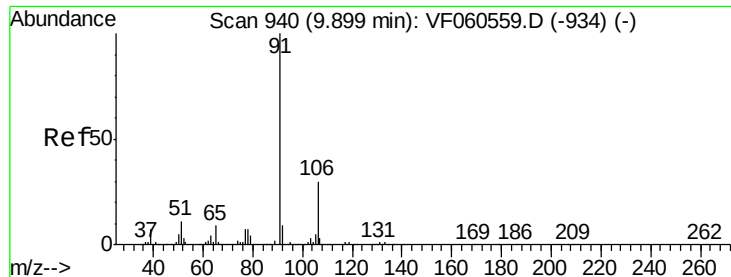
Tgt Ion:112 Resp: 136296
Ion Ratio Lower Upper
112 100
114 31.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.534 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion:131 Resp: 58457
Ion Ratio Lower Upper
131 100
133 96.6 49.5 148.7
119 70.5 35.2 105.6





#67

Ethyl Benzene

Concen: 21.973 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

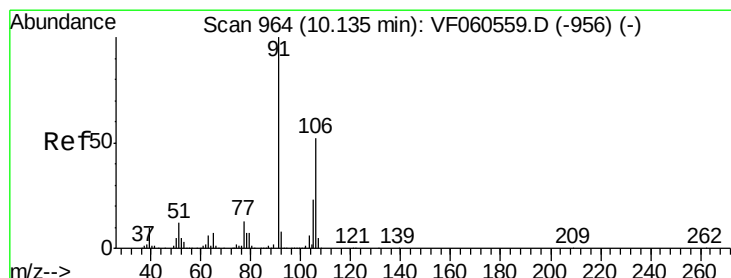
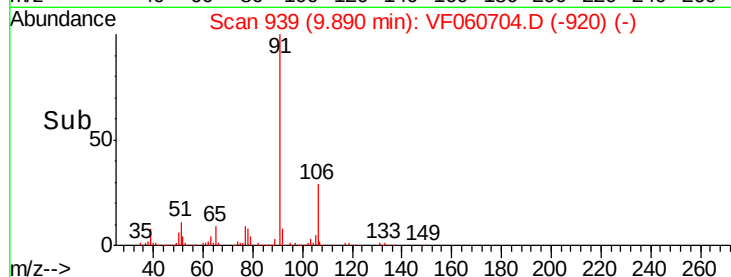
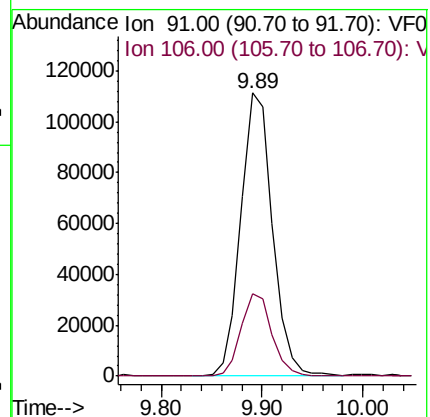
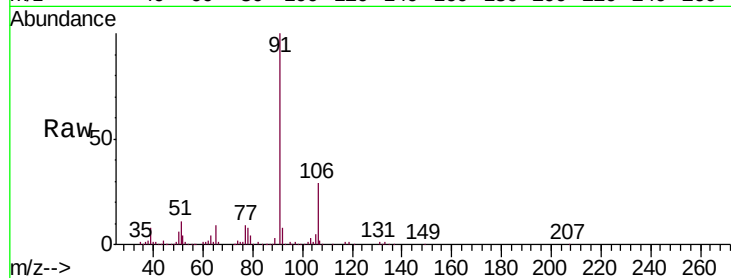
VF1112SBSD01

Tgt Ion: 91 Resp: 244803

Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.4



#68

m/p-Xylenes

Concen: 42.305 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF060704.D

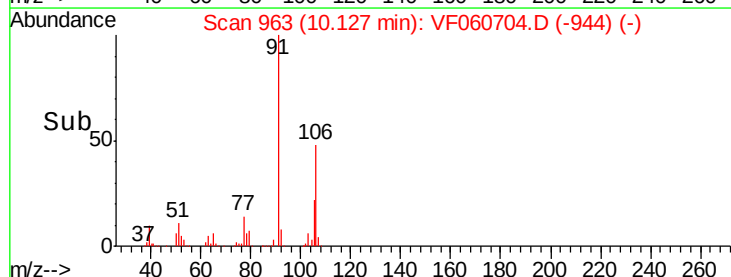
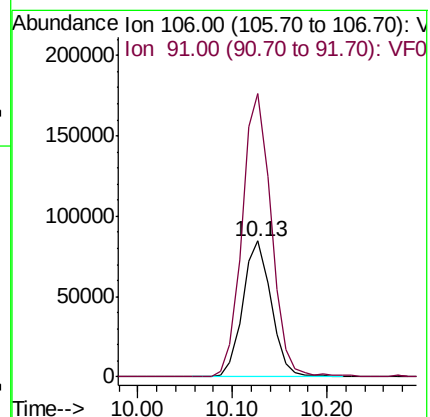
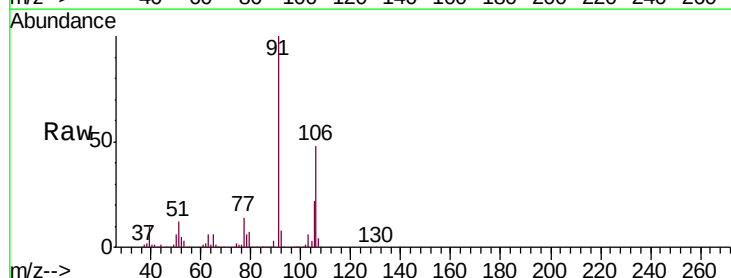
Acq: 12 Nov 2018 00:48

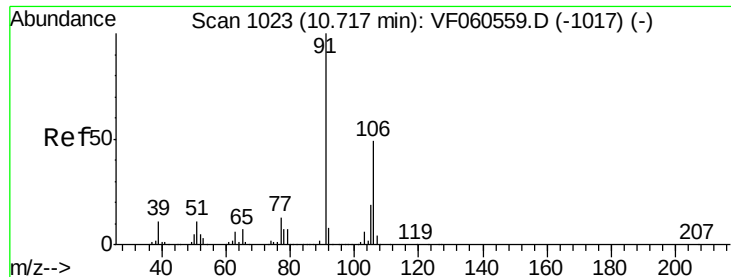
Tgt Ion: 106 Resp: 177538

Ion Ratio Lower Upper

106 100

91 208.7 153.9 230.9

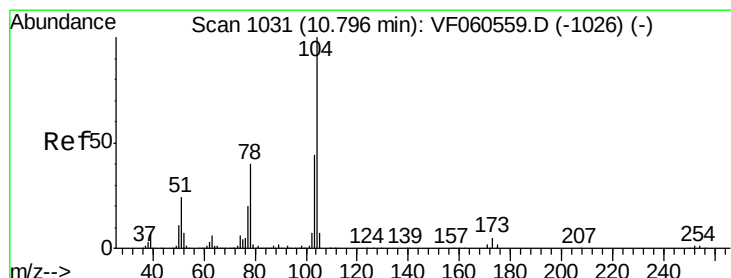
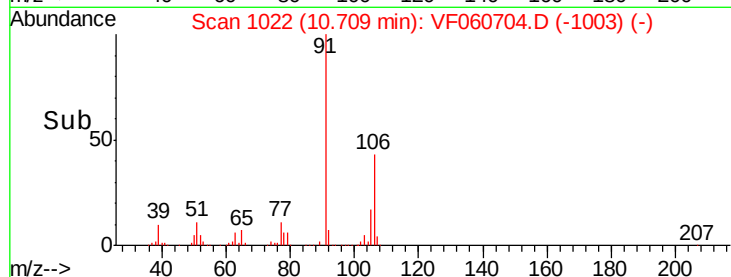
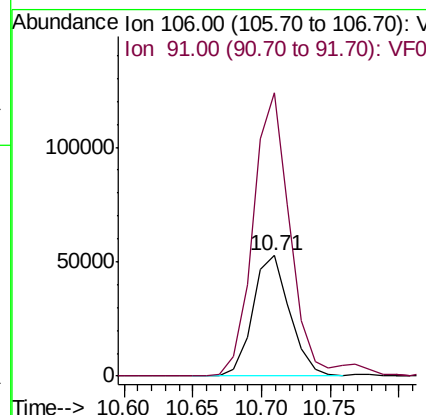
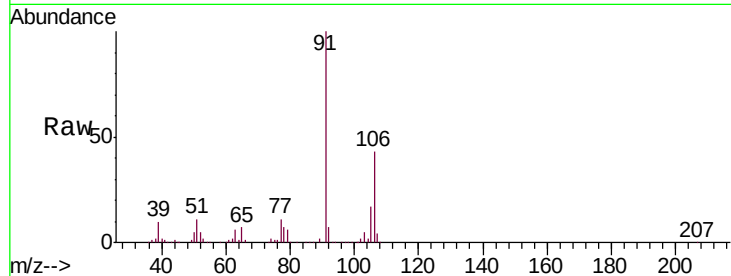




#69
o-Xylene
Concen: 21.672 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

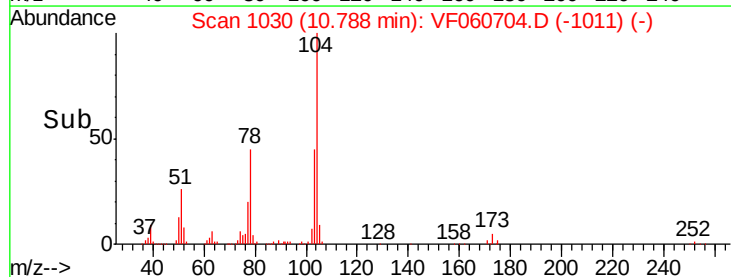
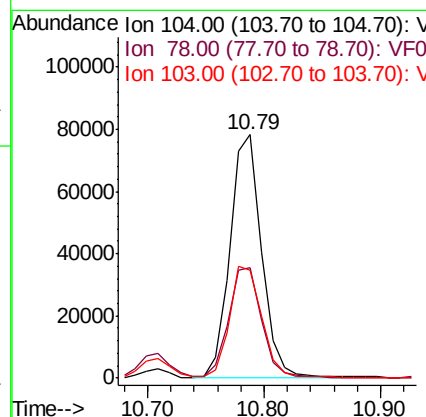
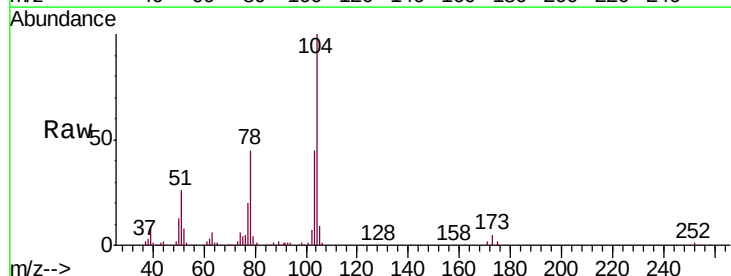
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

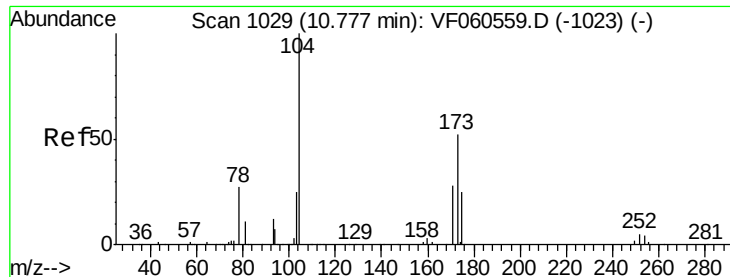
Tgt Ion:106 Resp: 99310
Ion Ratio Lower Upper
106 100
91 234.4 101.8 305.3



#70
Styrene
Concen: 22.033 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF060704.D
Acq: 12 Nov 2018 00:48

Tgt Ion:104 Resp: 146273
Ion Ratio Lower Upper
104 100
78 45.2 32.6 49.0
103 44.5 35.2 52.8





#71

Bromoform

Concen: 19.699 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

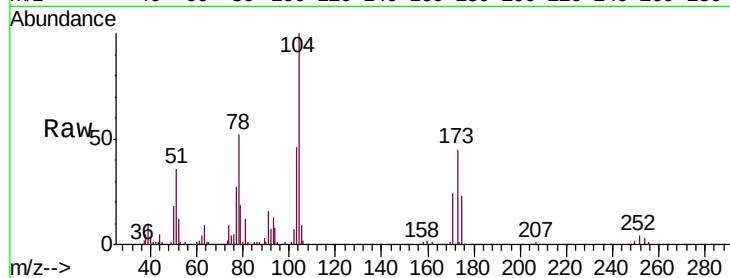
Tgt Ion:173 Resp: 26393

Ion Ratio Lower Upper

173 100

175 52.1 24.3 72.9

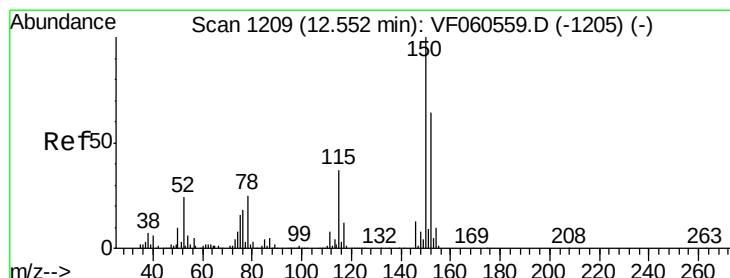
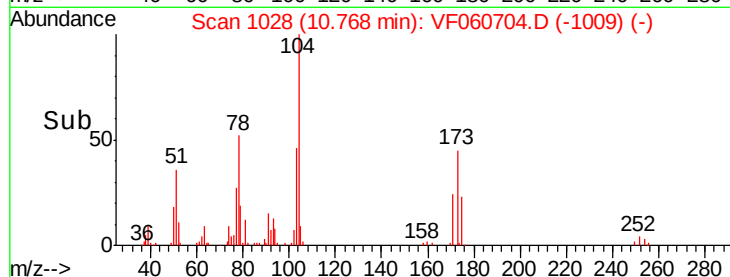
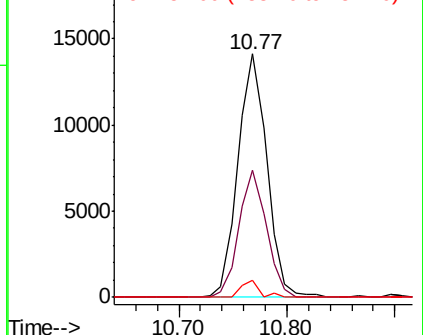
254 7.2 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

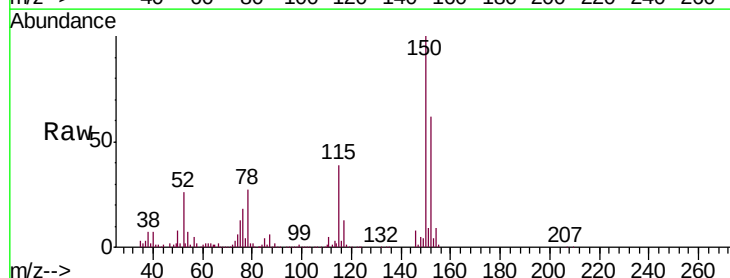
Tgt Ion:152 Resp: 165065

Ion Ratio Lower Upper

152 100

115 62.7 29.6 88.8

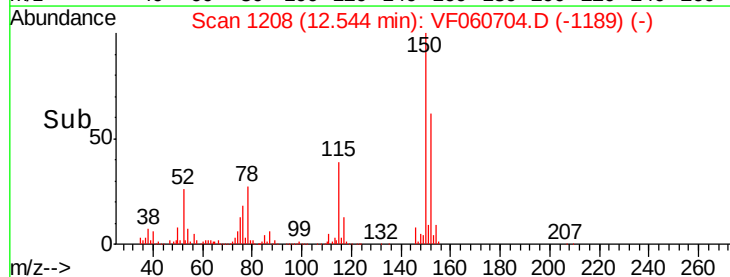
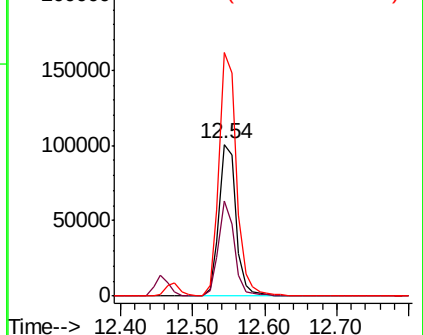
150 160.5 0.0 315.6

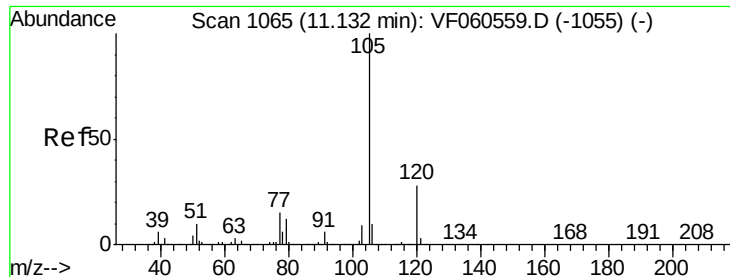


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.630 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

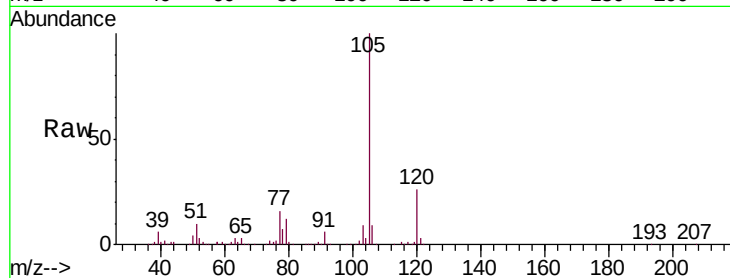
VF1112SBSD01

Tgt Ion:105 Resp: 317060

Ion Ratio Lower Upper

105 100

120 25.7 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

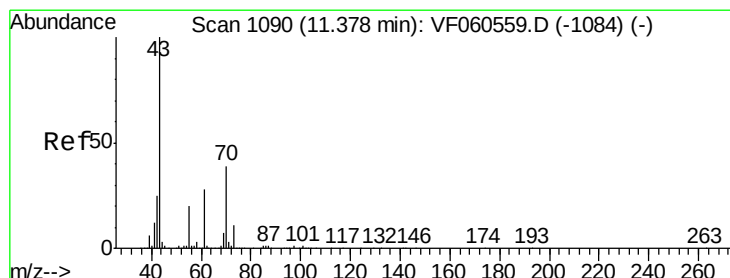
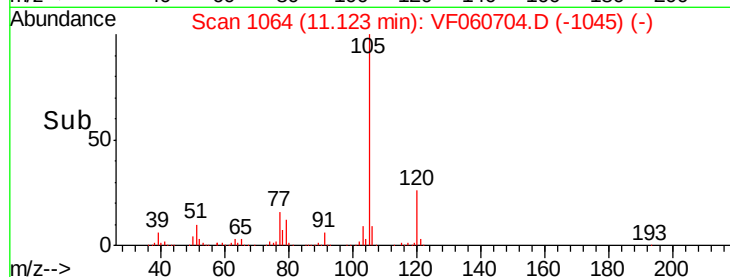
100000

50000

0

11.00 11.20

Time-->



#74

N-ethyl acetate

Concen: 16.804 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Tgt Ion: 43 Resp: 62523

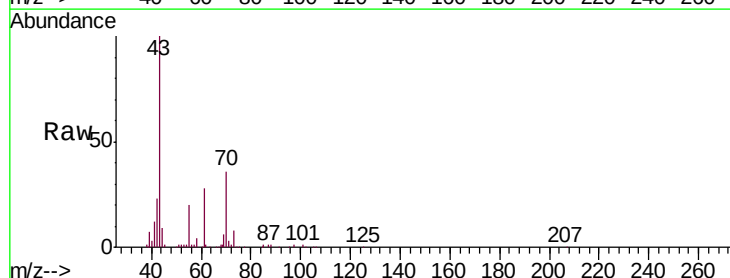
Ion Ratio Lower Upper

43 100

70 36.0 30.9 46.3

55 20.2 16.6 24.8

61 27.7 22.0 33.0



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

60000

50000

40000

30000

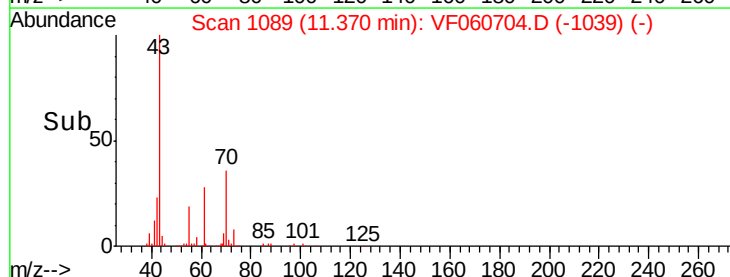
20000

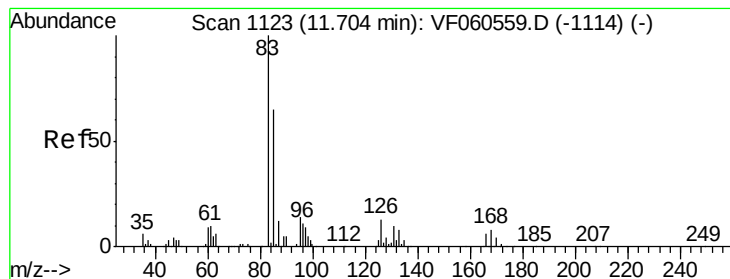
10000

0

11.20 11.40 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.871 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

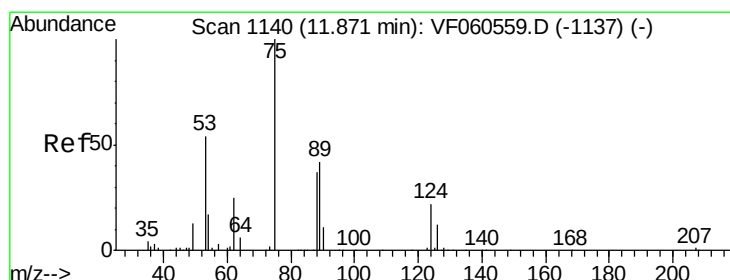
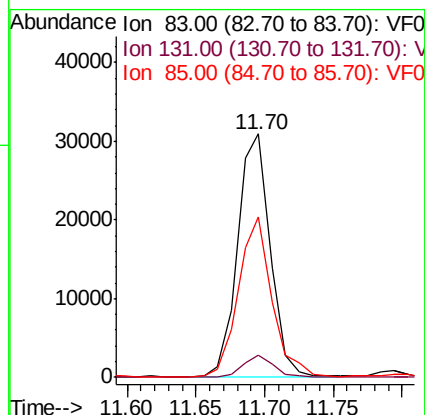
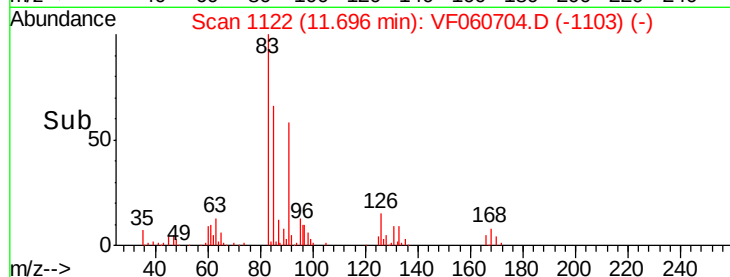
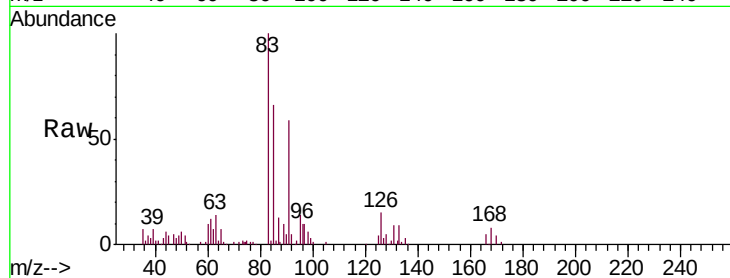
Tgt Ion: 83 Resp: 51391

Ion Ratio Lower Upper

83 100

131 9.2 5.0 14.9

85 65.7 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 19.640 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060704.D

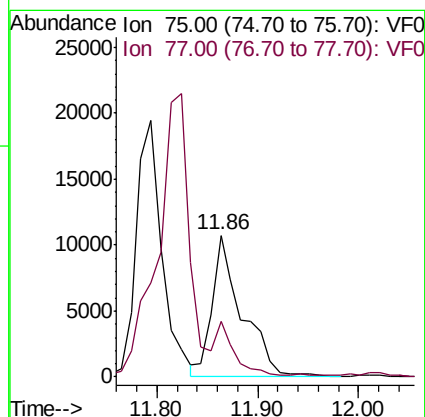
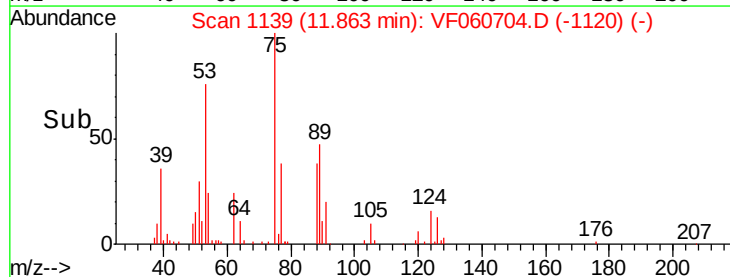
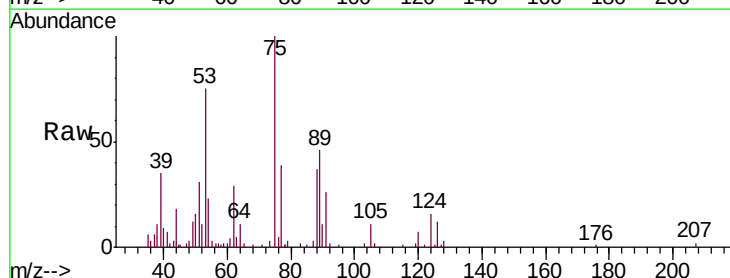
Acq: 12 Nov 2018 00:48

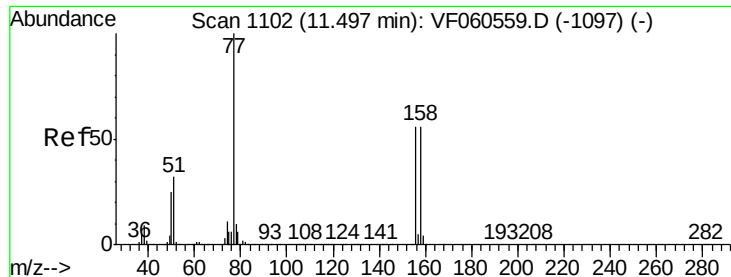
Tgt Ion: 75 Resp: 22679

Ion Ratio Lower Upper

75 100

77 38.9 17.4 52.3





#77

Bromobenzene

Concen: 22.648 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

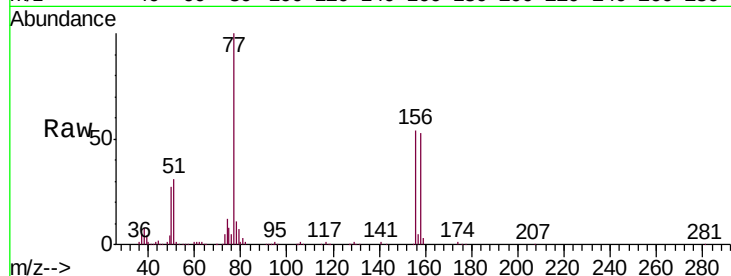
Tgt Ion:156 Resp: 63796

Ion Ratio Lower Upper

156 100

77 184.8 89.3 268.1

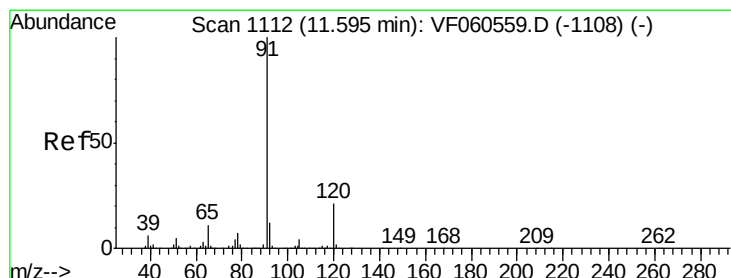
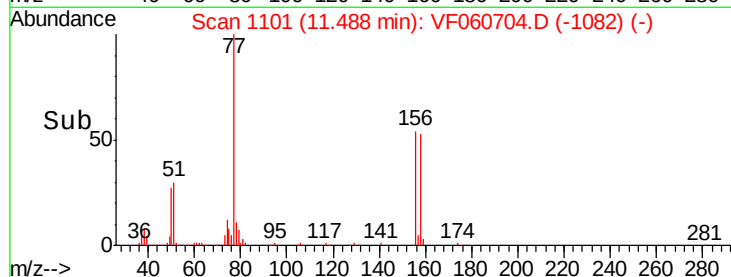
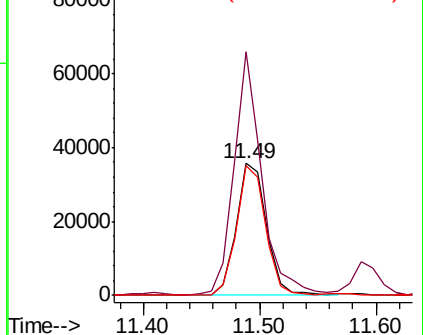
158 98.5 50.0 150.1



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: 23.773 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060704.D

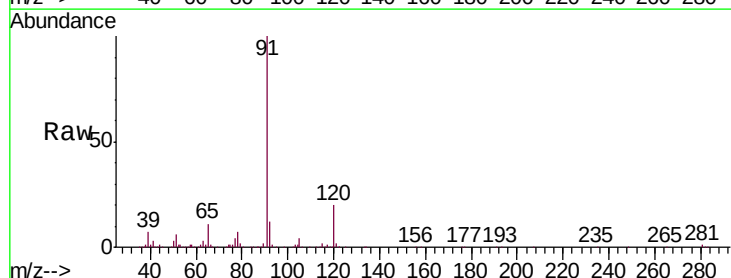
Acq: 12 Nov 2018 00:48

Tgt Ion: 91 Resp: 358063

Ion Ratio Lower Upper

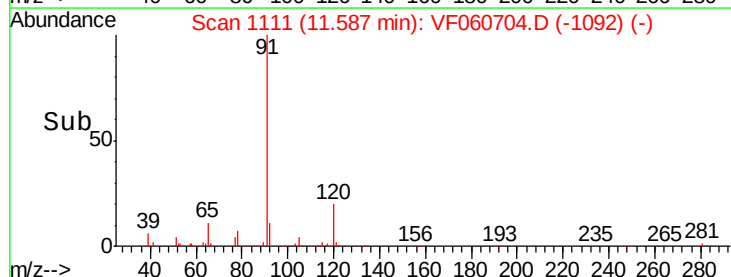
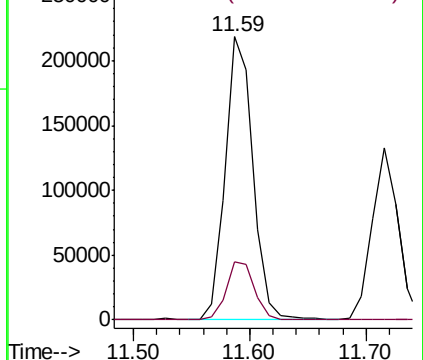
91 100

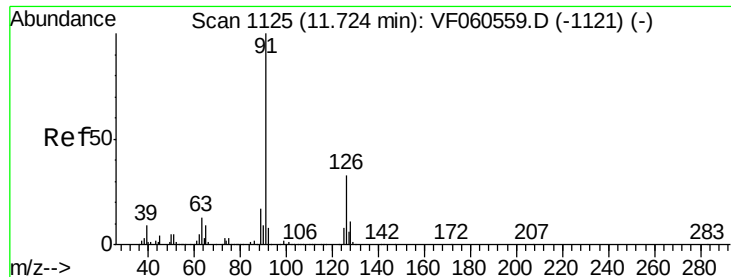
120 20.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.863 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

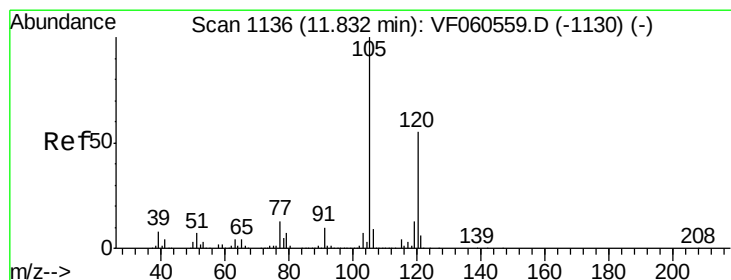
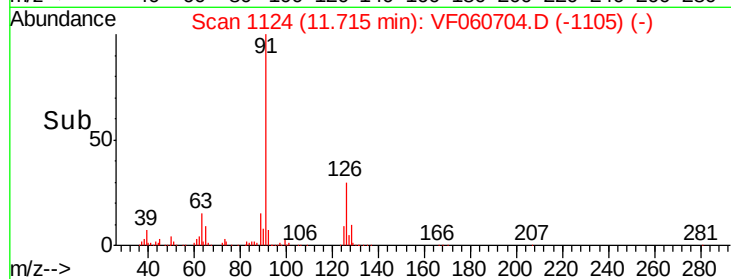
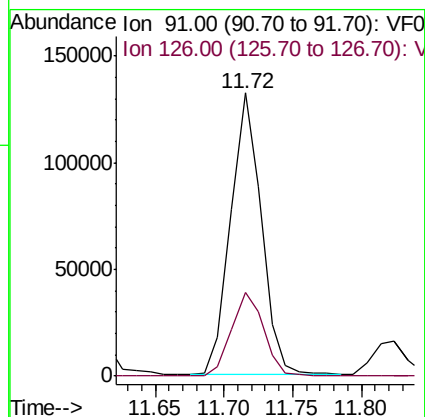
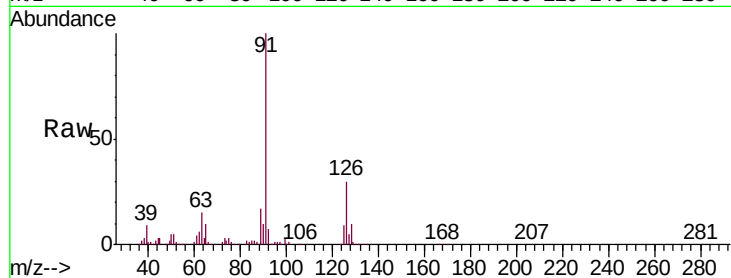
VF1112SBSD01

Tgt Ion: 91 Resp: 205256

Ion Ratio Lower Upper

91 100

126 29.6 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 23.350 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060704.D

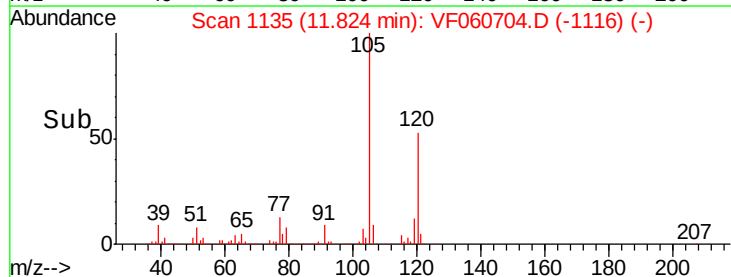
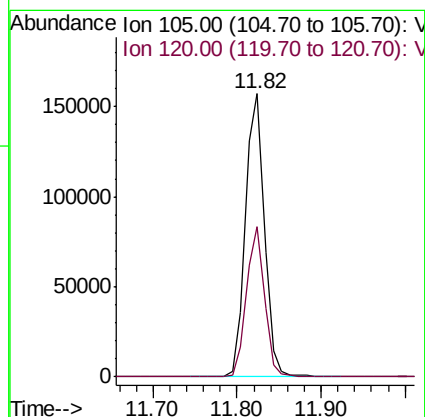
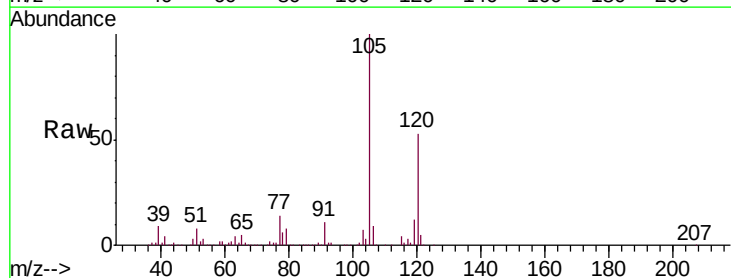
Acq: 12 Nov 2018 00:48

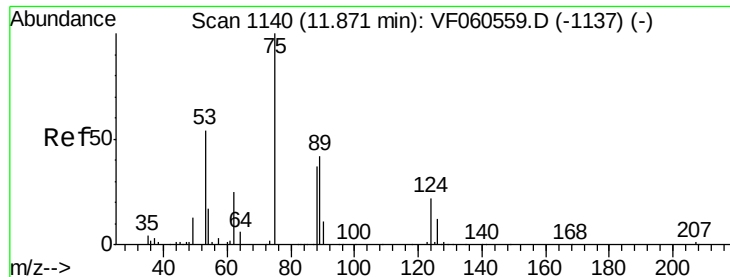
Tgt Ion: 105 Resp: 247761

Ion Ratio Lower Upper

105 100

120 53.0 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.990 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

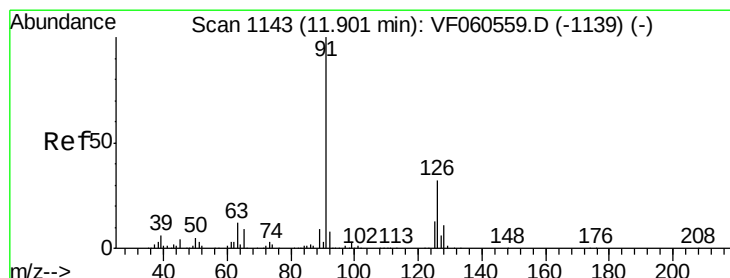
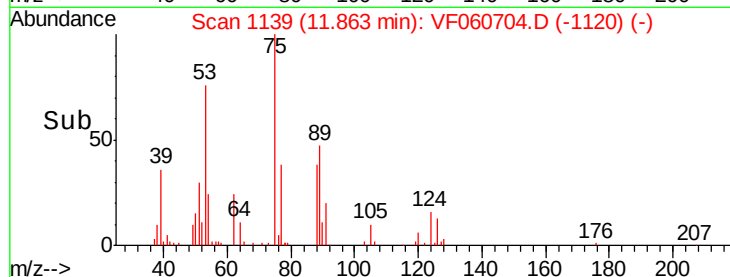
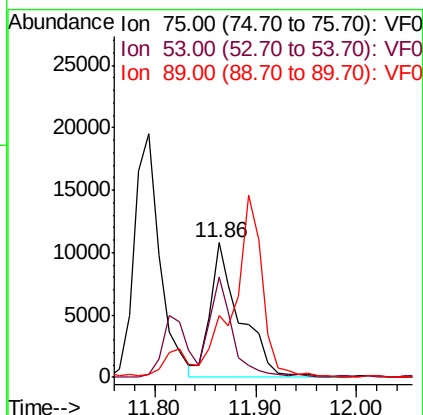
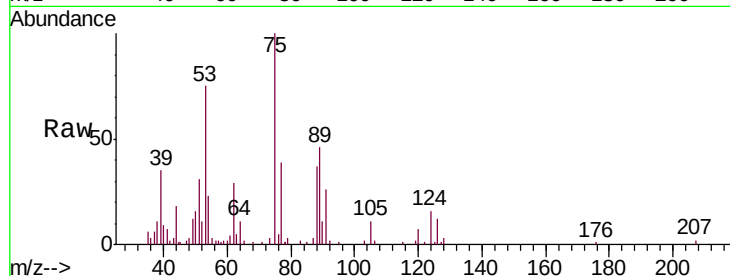
Tgt Ion: 75 Resp: 22679

Ion Ratio Lower Upper

75 100

53 74.7 51.6 77.4

89 46.3 36.7 55.1



#82

4-Chlorotoluene

Concen: 22.843 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060704.D

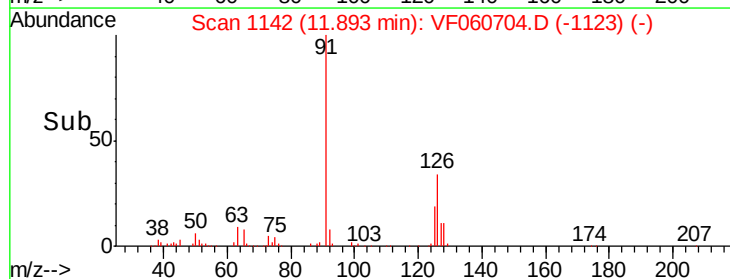
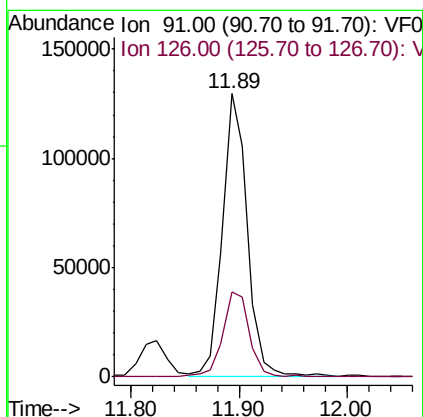
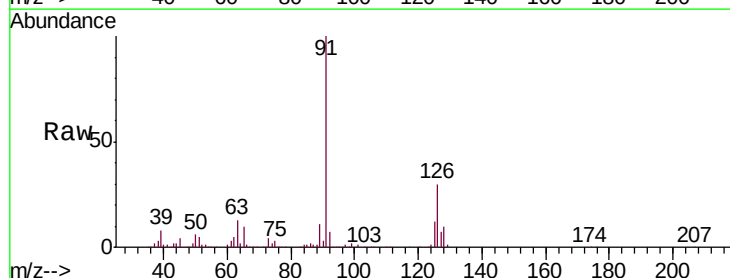
Acq: 12 Nov 2018 00:48

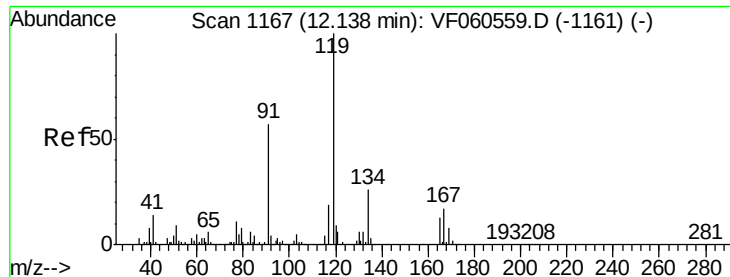
Tgt Ion: 91 Resp: 204993

Ion Ratio Lower Upper

91 100

126 30.1 15.9 47.7





#83

tert-Butylbenzene

Concen: 24.868 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

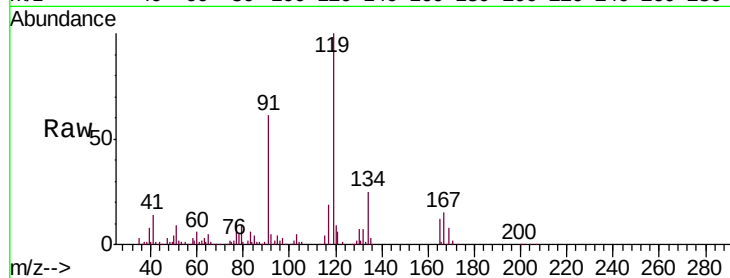
Tgt Ion:119 Resp: 269574

Ion Ratio Lower Upper

119 100

91 61.4 28.8 86.4

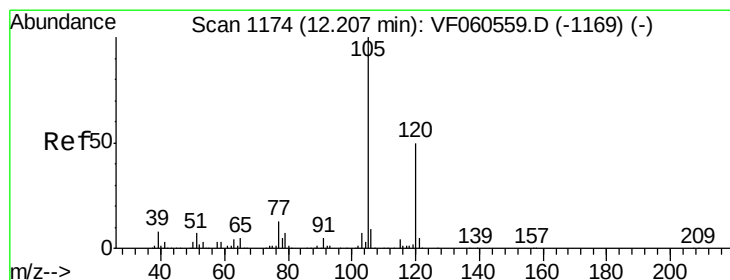
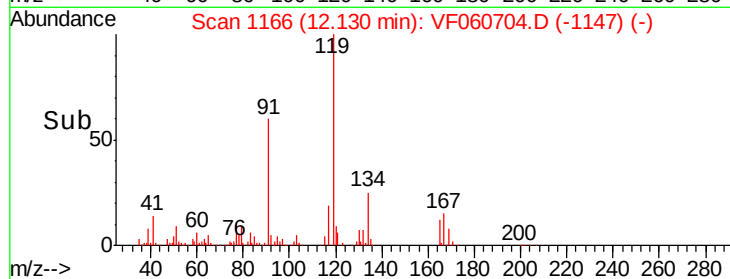
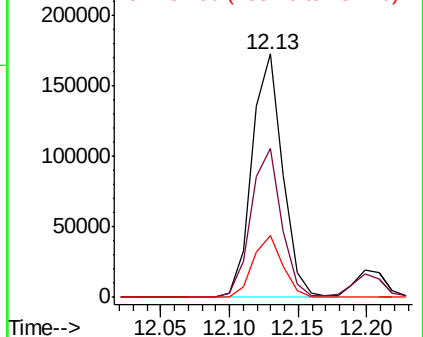
134 25.4 13.2 39.6



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: 23.427 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VF060704.D

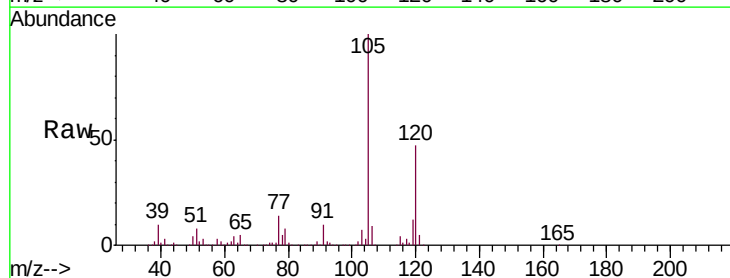
Acq: 12 Nov 2018 00:48

Tgt Ion:105 Resp: 243432

Ion Ratio Lower Upper

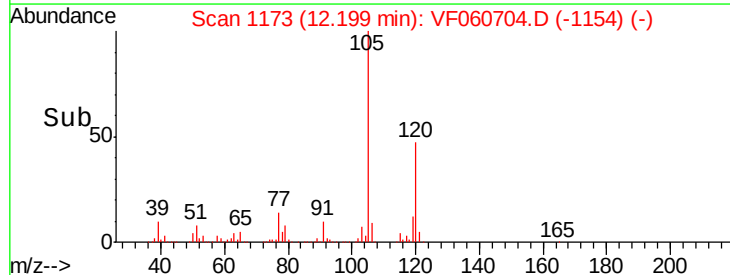
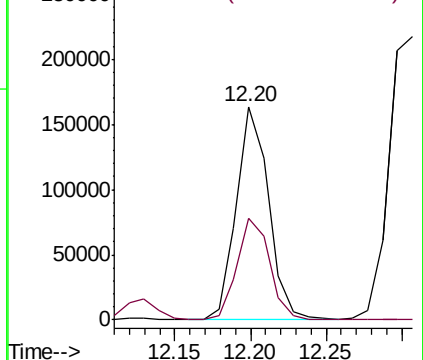
105 100

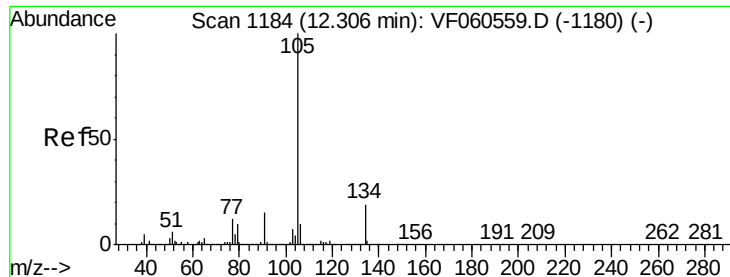
120 47.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

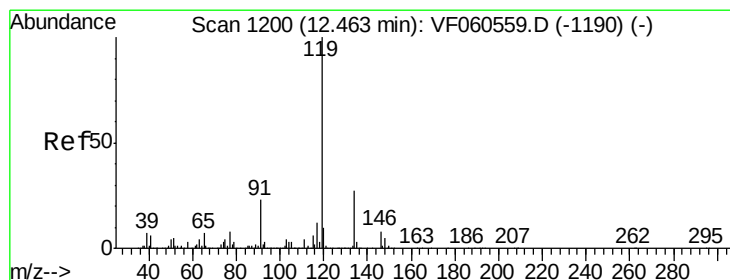
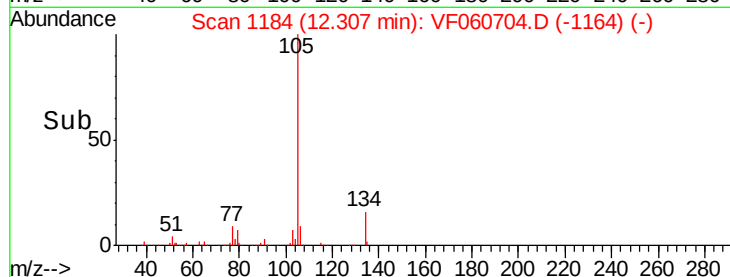
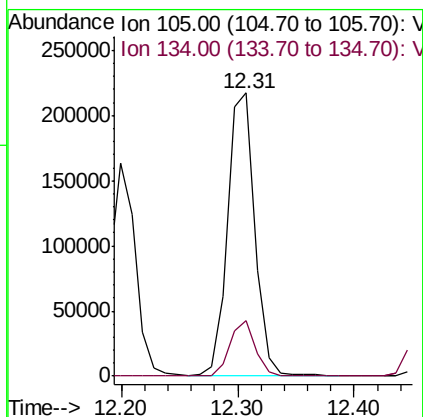
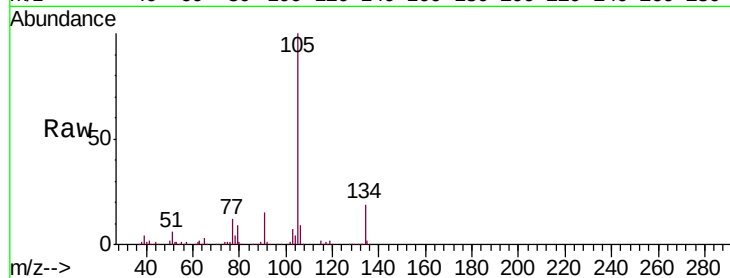




#85
 sec-Butylbenzene
 Concen: 23.413 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

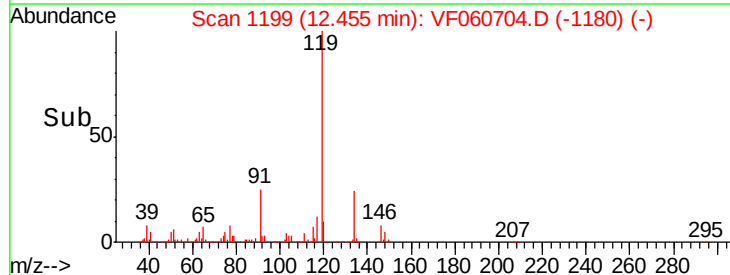
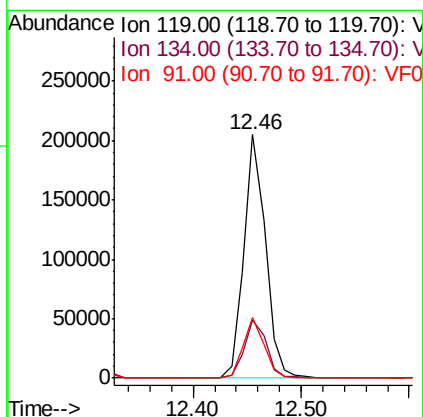
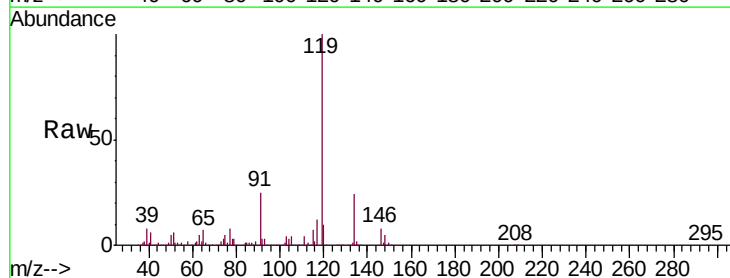
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

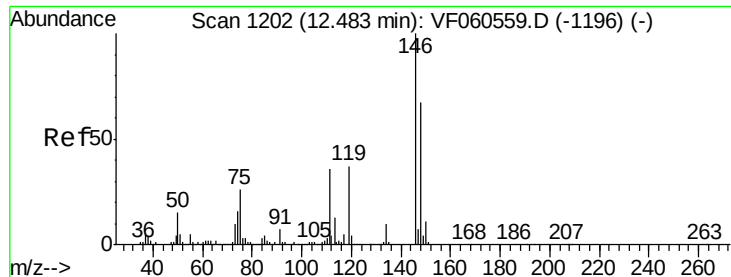
Tgt Ion:105 Resp: 349136
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 23.223 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion:119 Resp: 285177
 Ion Ratio Lower Upper
 119 100
 134 23.8 13.6 40.7
 91 24.8 11.4 34.2

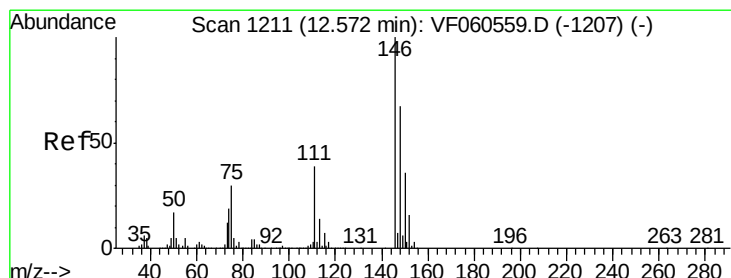
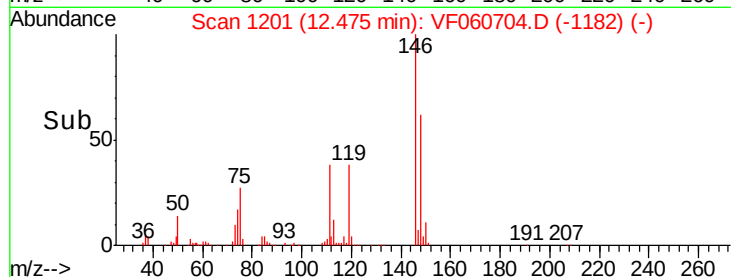
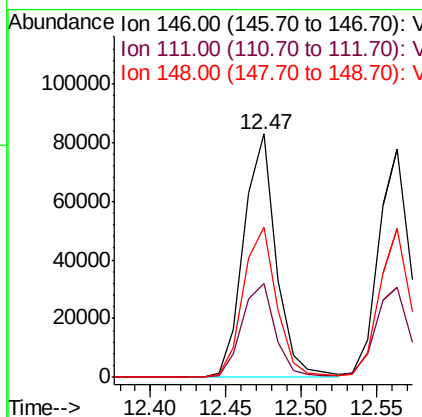
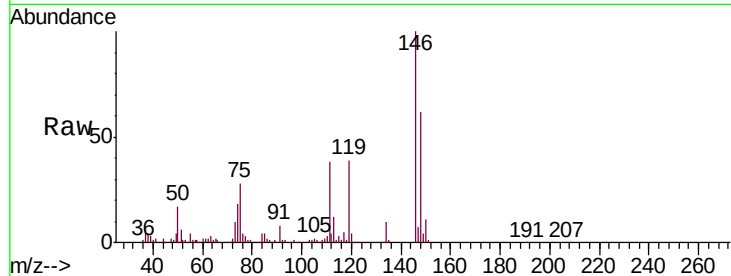




#87
 1,3-Dichlorobenzene
 Concen: 22.409 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

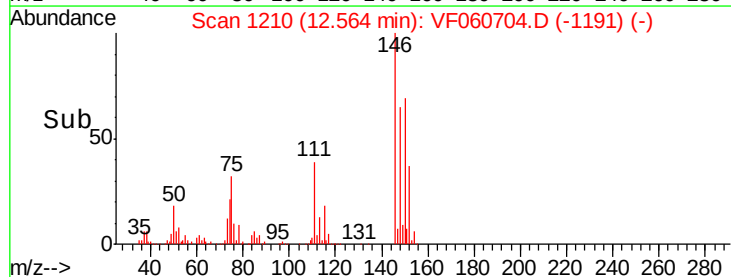
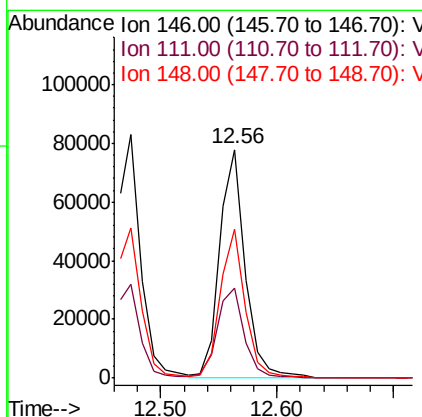
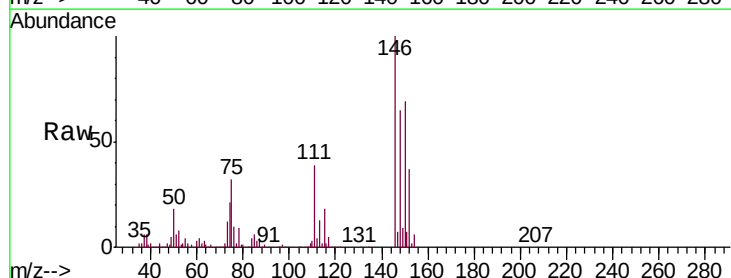
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

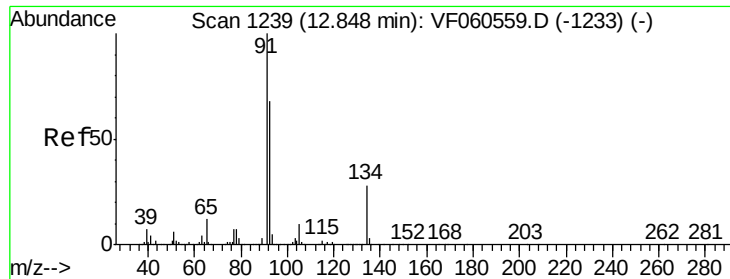
Tgt Ion:146 Resp: 123895
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.3 54.8
 148 61.5 33.5 100.4



#88
 1,4-Dichlorobenzene
 Concen: 22.475 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion:146 Resp: 117860
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.1
 148 65.2 33.7 101.1





#89

n-Butylbenzene

Concen: 22.885 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

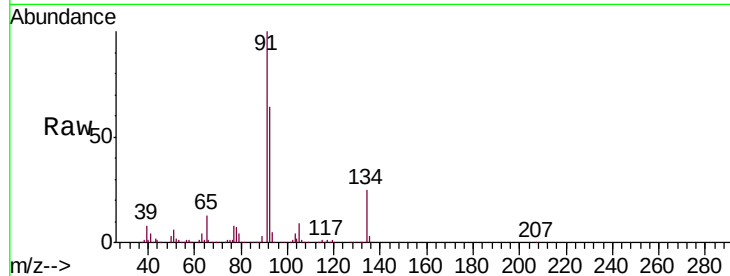
Tgt Ion: 91 Resp: 303676

Ion Ratio Lower Upper

91 100

92 64.3 34.1 102.2

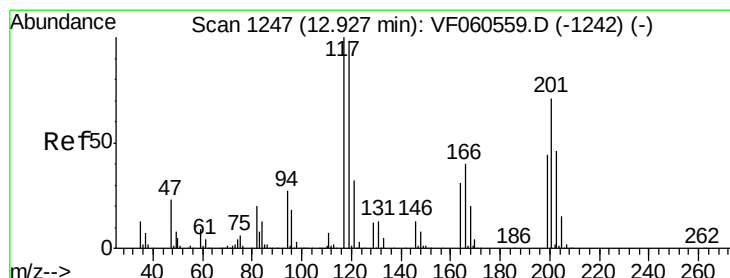
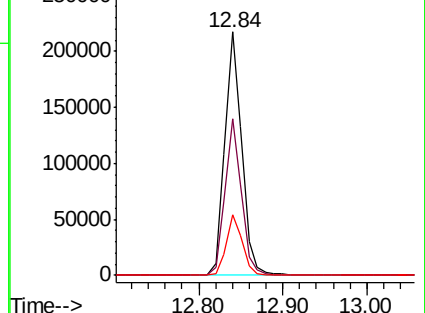
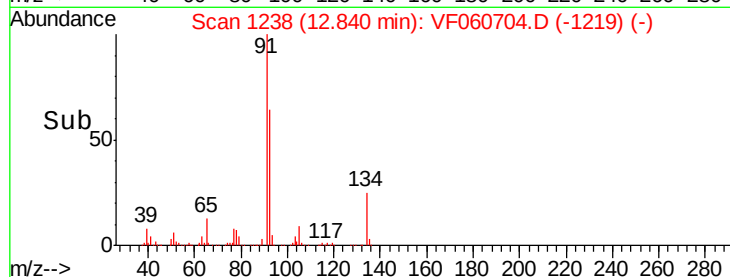
134 24.7 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VF060559.D (-1233) (-)

Ion 92.00 (91.70 to 92.70): VF060559.D (-1233) (-)

Ion 134.00 (133.70 to 134.70): VF060559.D (-1233) (-)



#90

Hexachloroethane

Concen: 23.648 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF060704.D

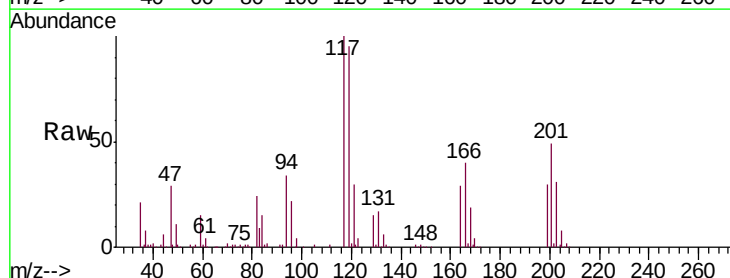
Acq: 12 Nov 2018 00:48

Tgt Ion: 117 Resp: 73848

Ion Ratio Lower Upper

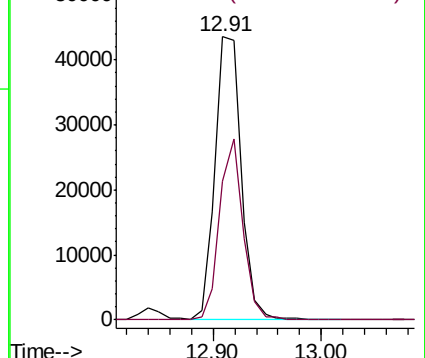
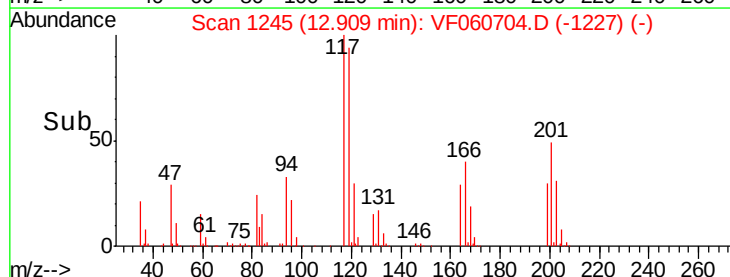
117 100

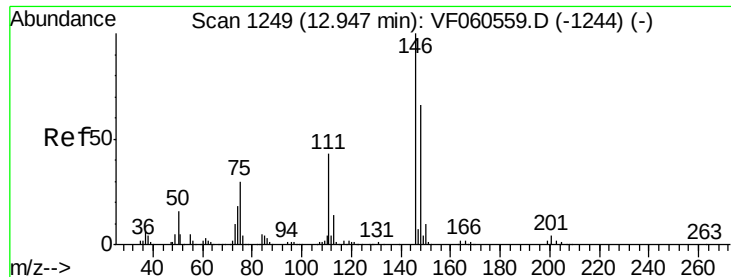
201 51.1 35.2 105.6



Abundance Ion 117.00 (116.70 to 117.70): VF060559.D (-1242) (-)

Ion 201.00 (200.70 to 201.70): VF060559.D (-1242) (-)

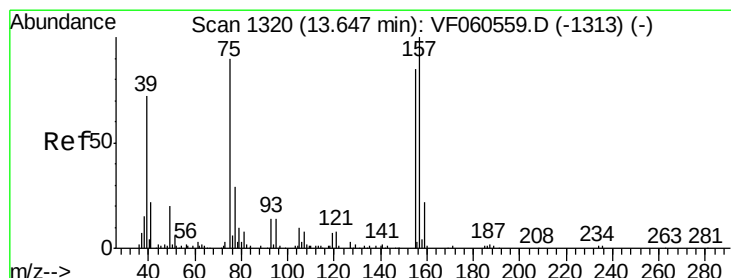
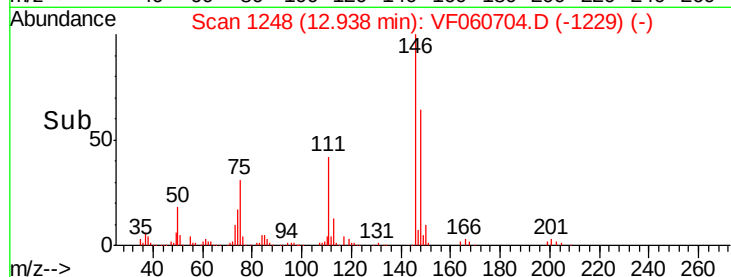
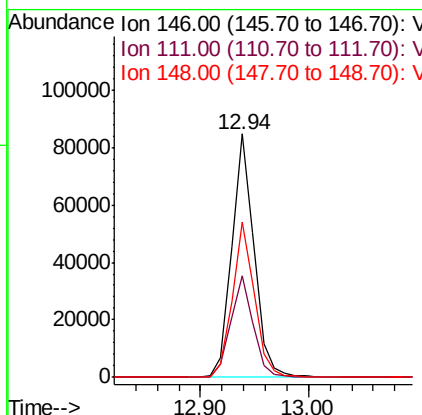
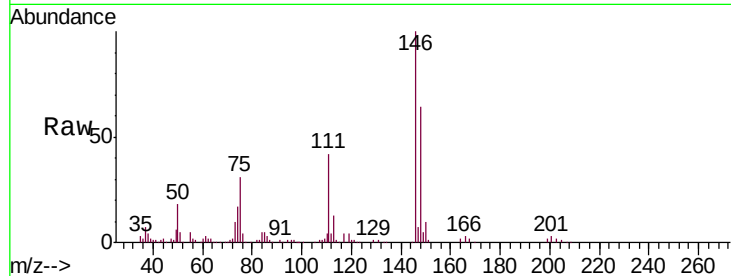




#91
 1,2-Dichlorobenzene
 Concen: 23.659 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

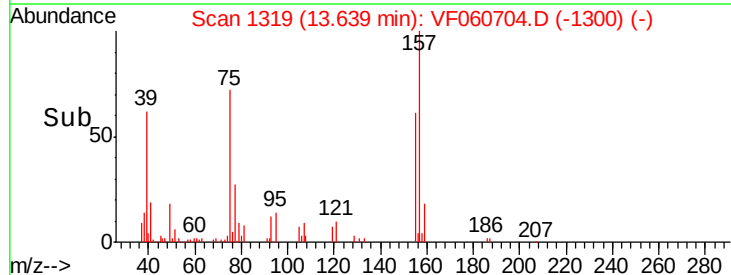
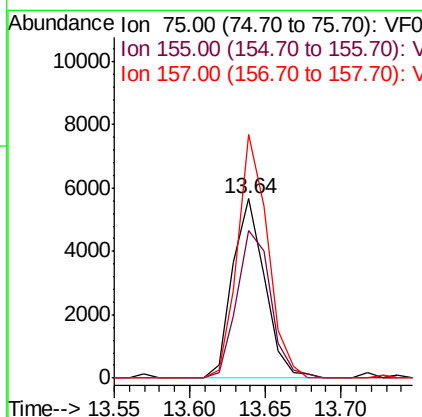
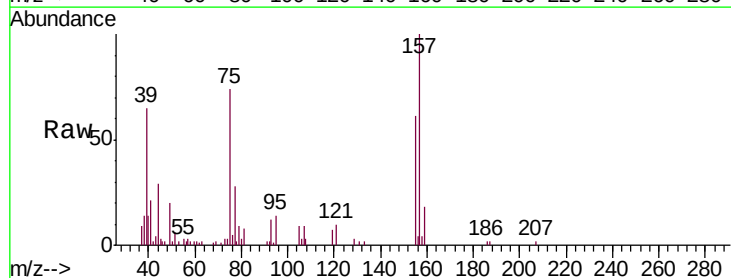
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

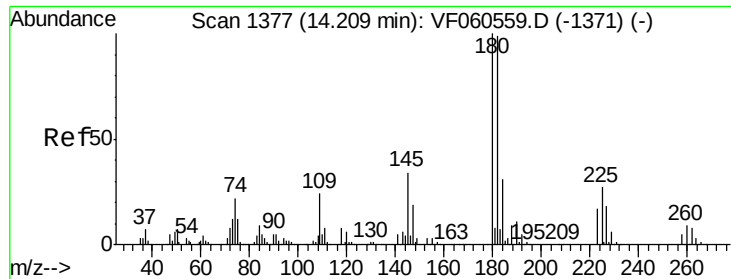
Tgt Ion: 146 Resp: 122374
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.3 64.0
 148 63.9 32.9 98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.577 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion: 75 Resp: 8400
 Ion Ratio Lower Upper
 75 100
 155 82.4 47.3 141.8
 157 135.6 55.3 165.9

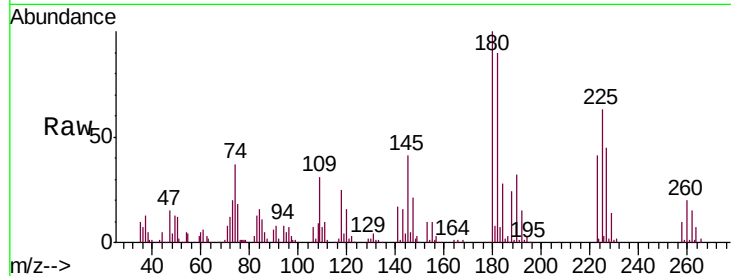




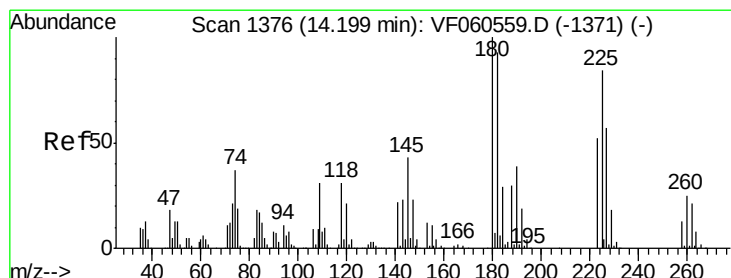
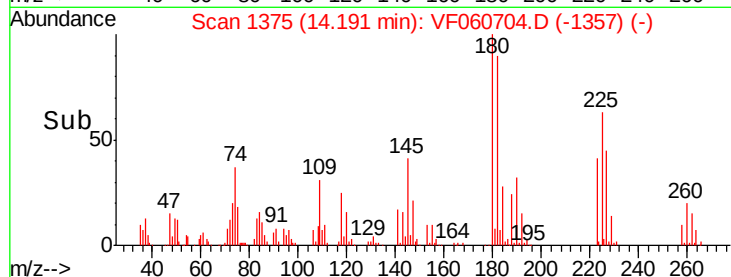
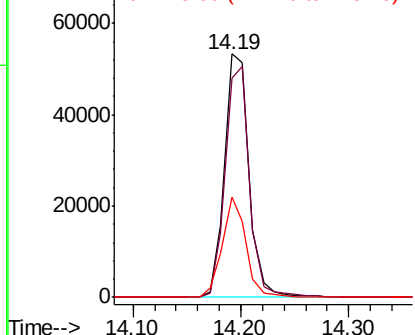
#93
 1,2,4-Trichlorobenzene
 Concen: 24.051 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Tgt Ion:180 Resp: 84512
 Ion Ratio Lower Upper
 180 100
 182 90.2 49.7 149.1
 145 41.2 16.9 50.7

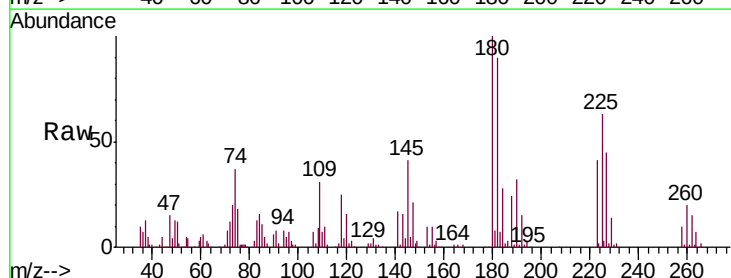


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

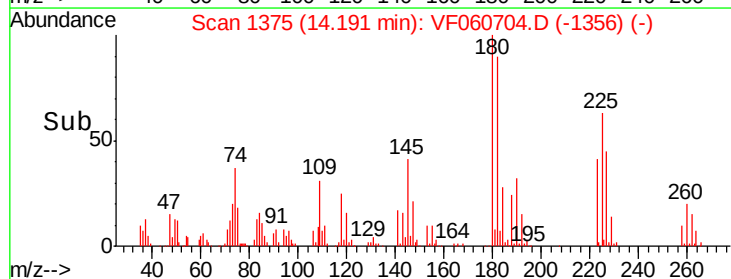
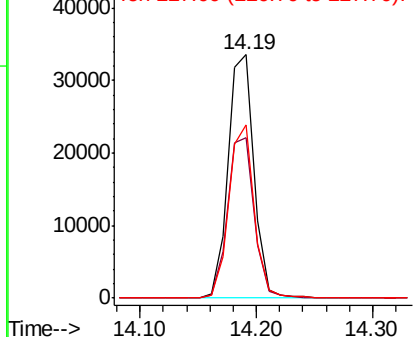


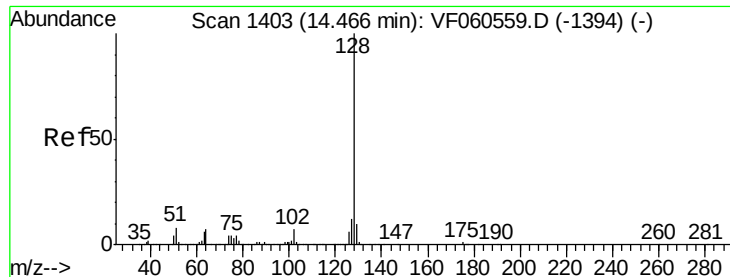
#94
 Hexachlorobutadiene
 Concen: 22.681 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060704.D
 Acq: 12 Nov 2018 00:48

Tgt Ion:225 Resp: 51644
 Ion Ratio Lower Upper
 225 100
 223 65.9 30.9 92.5
 227 71.1 33.9 101.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.731 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

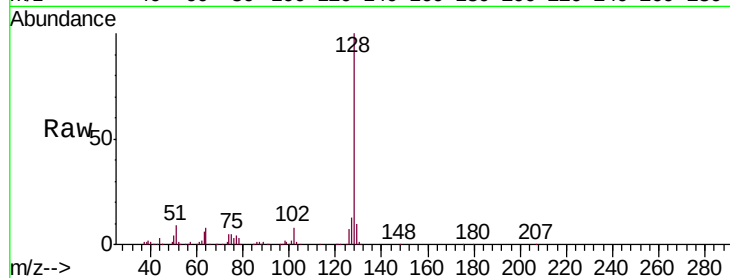
Tgt Ion:128 Resp: 152836

Ion Ratio Lower Upper

128 100

127 12.7 9.4 14.0

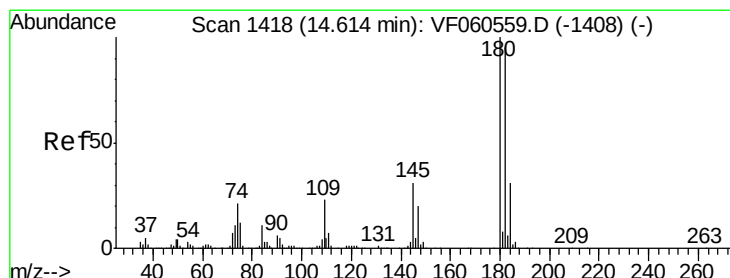
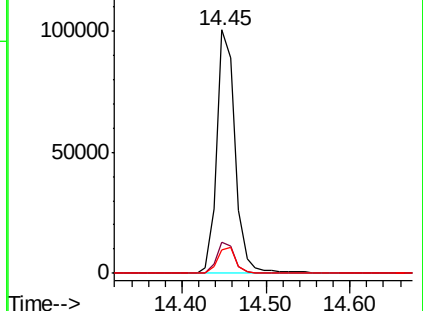
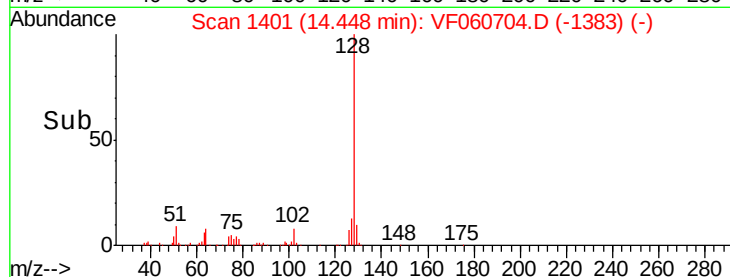
129 9.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.076 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF060704.D

Acq: 12 Nov 2018 00:48

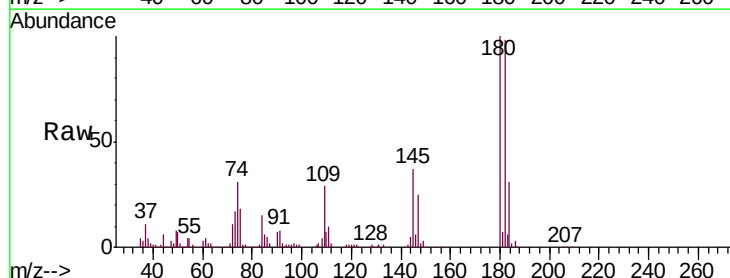
Tgt Ion:180 Resp: 76599

Ion Ratio Lower Upper

180 100

182 98.1 47.3 142.0

145 37.0 15.6 46.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

