

Data File : VF060692.D
Acq On : 12 Nov 2018 18:34
Operator : VA/AP
Sample : VF1112SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Quant Time: Nov 13 04:16:59 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	4.86	168	200333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	363459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	349368	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	183633	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	130729	64.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	129.18%	
35) Dibromofluoromethane	4.10	113	150497	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
50) Toluene-d8	7.54	98	407268	48.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.40	95	201974	55.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	79152	36.752	ug/l	97
3) Chloromethane	1.10	50	47247	26.947	ug/l	99
4) Vinyl Chloride	1.14	62	42669	26.410	ug/l #	87
5) Bromomethane	1.33	94	26006	28.676	ug/l #	69
6) Chloroethane	1.37	64	17241	27.633	ug/l	100
7) Trichlorofluoromethane	1.48	101	93592	30.951	ug/l	97
8) Diethyl Ether	1.62	74	11949	21.321	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48565	28.105	ug/l	95
10) Methyl Iodide	1.88	142	71908	25.288	ug/l #	83
11) Tert butyl alcohol	2.56	59	12149	110.837	ug/l #	79
12) 1,1-Dichloroethene	1.78	96	34861	23.954	ug/l	94
13) Acrolein	2.00	56	7248	87.232	ug/l	94
14) Allyl chloride	2.09	41	62424	26.269	ug/l	86
15) Acrylonitrile	2.93	53	23822	98.752	ug/l	92
16) Acetone	2.22	43	69028	144.726	ug/l #	91
17) Carbon Disulfide	1.82	76	68566	16.725	ug/l	95
18) Methyl Acetate	2.33	43	18204	24.815	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	87012	25.576	ug/l	97
20) Methylene Chloride	2.18	84	20361	10.029	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	38363	25.126	ug/l	97
22) Diisopropyl ether	2.79	45	115081	22.857	ug/l	97
23) Vinyl Acetate	3.17	43	298036	98.521	ug/l	96
24) 1,1-Dichloroethane	2.86	63	75744	25.994	ug/l	98
25) 2-Butanone	4.32	43	100769	92.079	ug/l #	89
26) 2,2-Dichloropropane	3.59	77	58503	26.833	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	62997	21.613	ug/l	92
28) Bromochloromethane	3.70	49	40344	22.062	ug/l	92
29) Tetrahydrofuran	4.05	42	37629	99.989	ug/l	99
30) Chloroform	3.84	83	114500	24.837	ug/l	95
31) Cyclohexane	3.67	56	88099	21.909	ug/l #	91
32) 1,1,1-Trichloroethane	4.08	97	92949	28.868	ug/l	95
36) 1,1-Dichloropropene	4.27	75	83151	20.778	ug/l	99
37) Ethyl Acetate	4.10	43	34535	17.977	ug/l #	83
38) Carbon Tetrachloride	3.97	117	85575	25.025	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	98241	20.116	ug/l	92
40) Benzene	4.62	78	185222	19.067	ug/l	97
41) Methacrylonitrile	4.73	41	20335	18.692	ug/l #	93
42) 1,2-Dichloroethane	4.93	62	64321	23.070	ug/l	87
43) Isopropyl Acetate	6.94	43	46113	18.977	ug/l #	96
44) Trichloroethene	5.49	130	61737	21.147	ug/l	96
45) 1,2-Dichloropropane	6.23	63	51316	20.655	ug/l	92
46) Dibromomethane	6.07	93	31463	19.962	ug/l	96
47) Bromodichloromethane	6.38	83	85168	22.403	ug/l	94
48) Methyl methacrylate	6.70	41	27419	17.953	ug/l	90
49) 1,4-Dioxane	6.69	88	5175	323.919	ug/l #	80
51) 4-Methyl-2-Pentanone	8.24	43	174693	106.905	ug/l	97
52) Toluene	7.61	92	125560	19.842	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	68491	20.729	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	86259	20.662	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	36316	19.722	ug/l	95
56) Ethyl methacrylate	8.61	69	49984	21.098	ug/l	93
57) 1,3-Dichloropropane	8.84	76	68080	21.071	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.61	63	19056	114.433	ug/l	100
59) 2-Hexanone	9.48	43	148648	124.531	ug/l	97
60) Dibromochloromethane	8.71	129	53882	20.923	ug/l	95
61) 1,2-Dibromoethane	8.97	107	39329	20.310	ug/l	97
64) Tetrachloroethene	8.14	164	51799	18.918	ug/l	96
65) Chlorobenzene	9.79	112	143073	20.025	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	57875	19.171	ug/l	94
67) Ethyl Benzene	9.89	91	258800	19.961	ug/l	99
68) m/p-Xylenes	10.13	106	192917	39.501	ug/l	89
69) o-Xylene	10.71	106	111110	20.835	ug/l	97
70) Styrene	10.78	104	157721	20.415	ug/l #	90
71) Bromoform	10.77	173	30018	19.253	ug/l #	97
73) Isopropylbenzene	11.11	105	329364	22.998	ug/l	93
74) N-amyl acetate	11.37	43	89505	22.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	55505	21.234	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	26275	20.453	ug/l	99
77) Bromobenzene	11.49	156	68460	21.847	ug/l	94
78) n-propylbenzene	11.59	91	393290	23.472	ug/l	99
79) 2-Chlorotoluene	11.71	91	215659	22.537	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	264456	22.403	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	26275	26.025	ug/l #	88
82) 4-Chlorotoluene	11.89	91	218756	21.911	ug/l	100
83) tert-Butylbenzene	12.13	119	270454	22.427	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	252871	21.874	ug/l	97
85) sec-Butylbenzene	12.30	105	374124	22.552	ug/l	97
86) p-Isopropyltoluene	12.45	119	310666	22.741	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	133624	21.725	ug/l	93
88) 1,4-Dichlorobenzene	12.56	146	123644	21.194	ug/l	96
89) n-Butylbenzene	12.84	91	323021	21.783	ug/l	92
90) Hexachloroethane	12.91	117	76142	21.917	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	127052	22.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9938	21.883	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

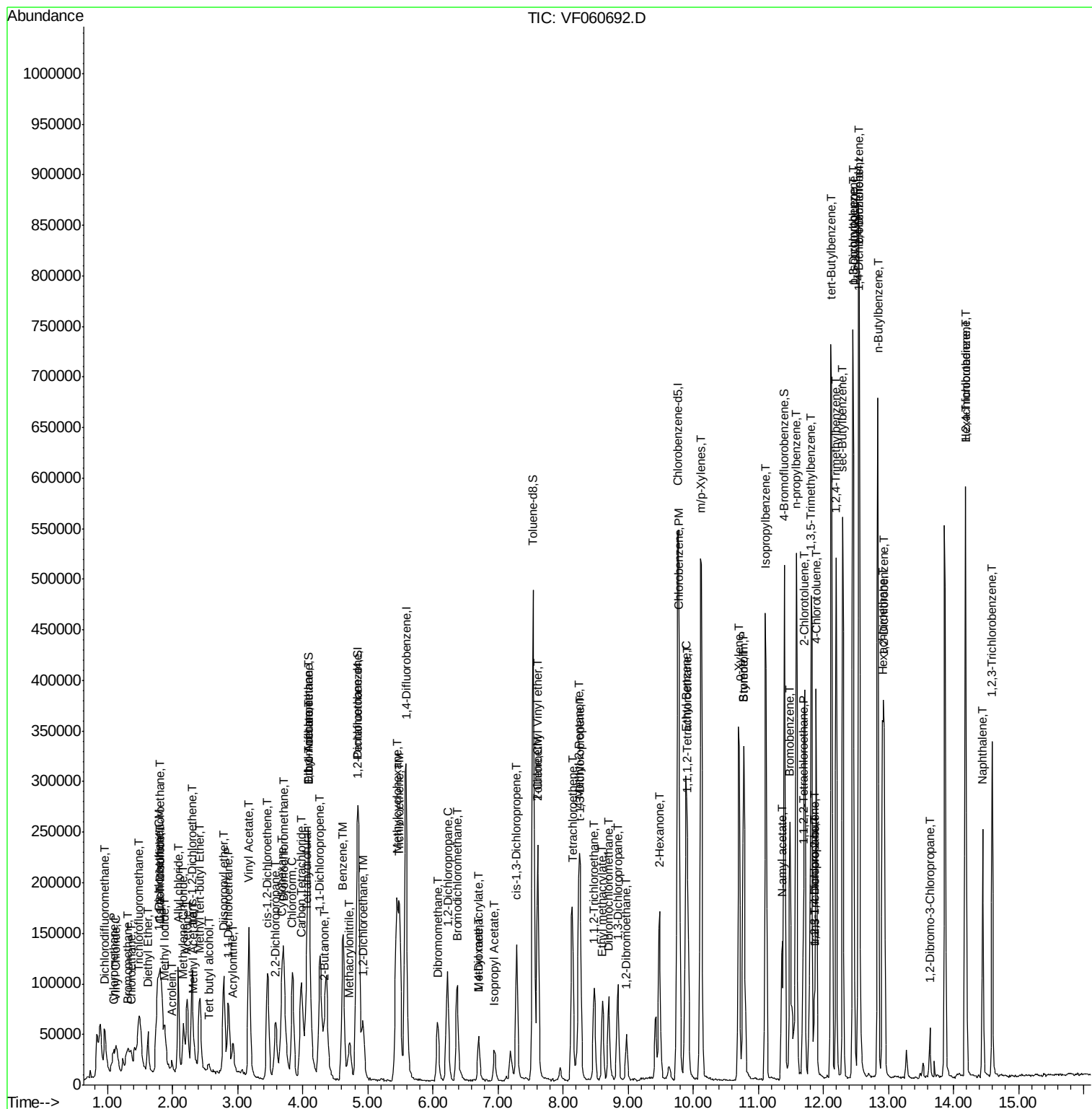
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	90146	23.060	ug/l	97
94) Hexachlorobutadiene	14.18	225	58547	23.113	ug/l	95
95) Naphthalene	14.45	128	166079	21.226	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	82899	22.449	ug/l	95

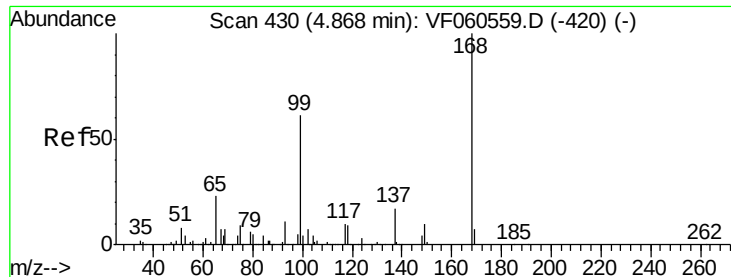
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

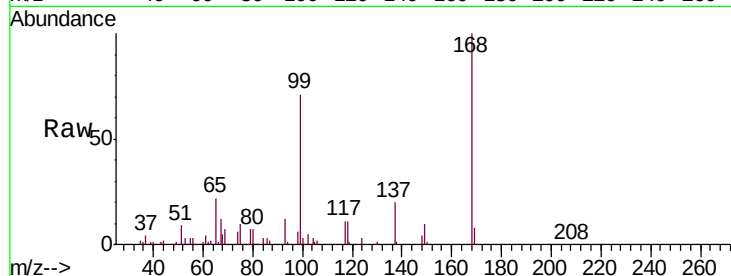
VF1112SBSD01

Tgt Ion:168 Resp: 200333

Ion Ratio Lower Upper

168 100

99 71.2 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

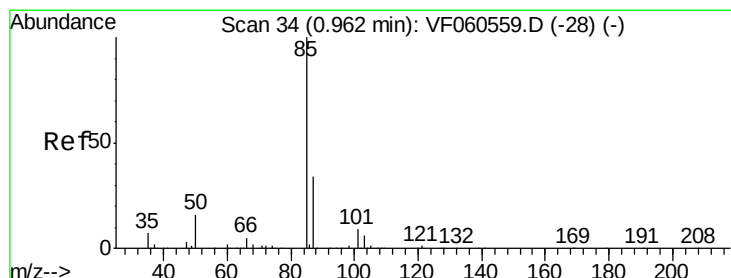
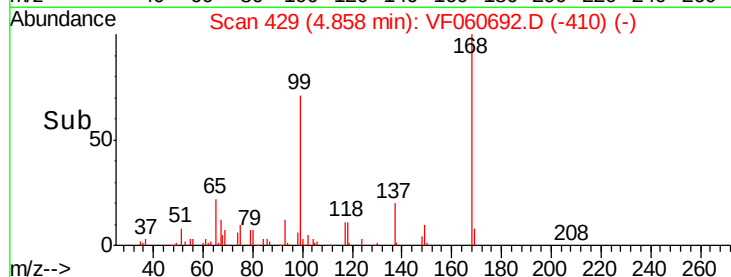
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 36.752 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060692.D

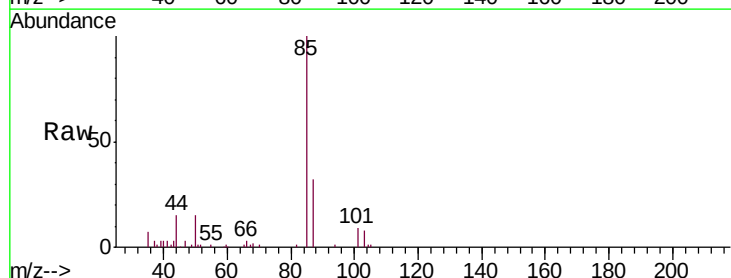
Acq: 12 Nov 2018 18:34

Tgt Ion: 85 Resp: 79152

Ion Ratio Lower Upper

85 100

87 32.3 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

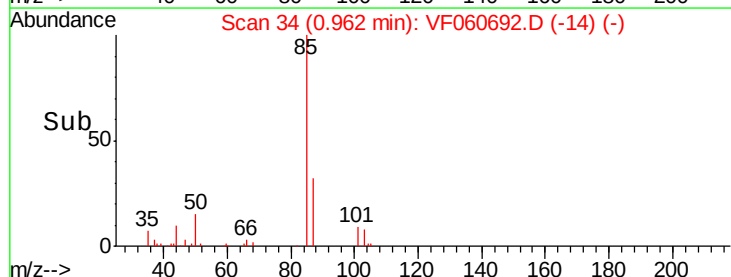
10000

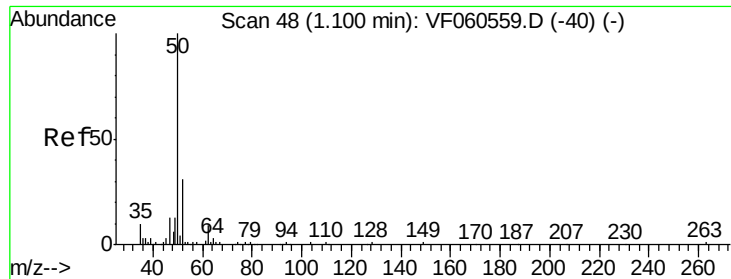
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 26.947 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

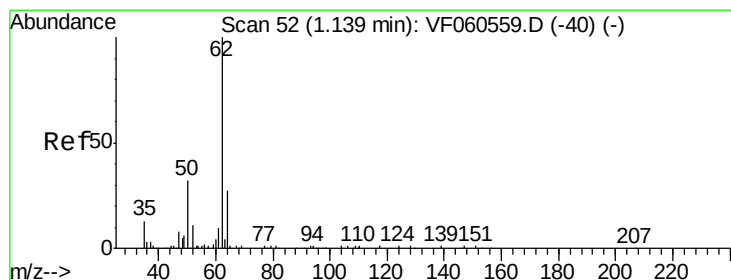
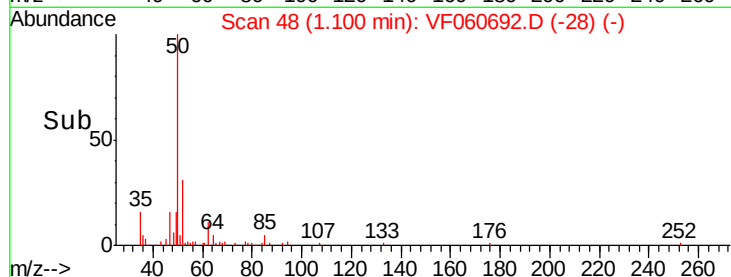
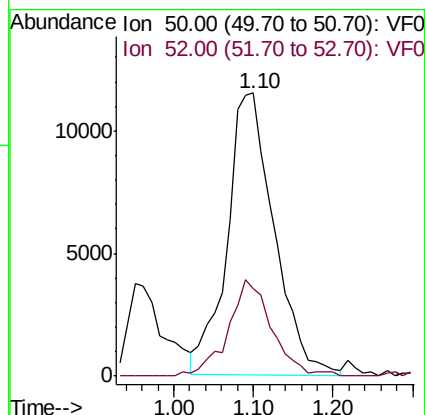
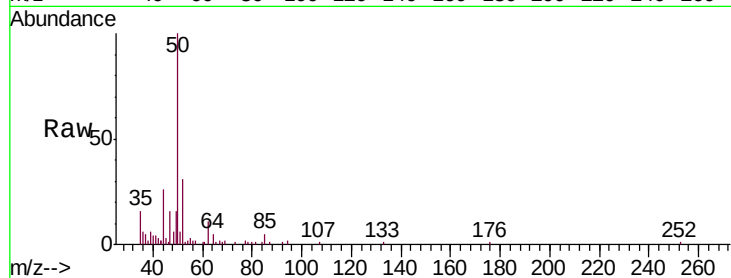
VF1112SBSD01

Tgt Ion: 50 Resp: 47247

Ion Ratio Lower Upper

50 100

52 30.8 24.0 36.0



#4

Vinyl Chloride

Concen: 26.410 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060692.D

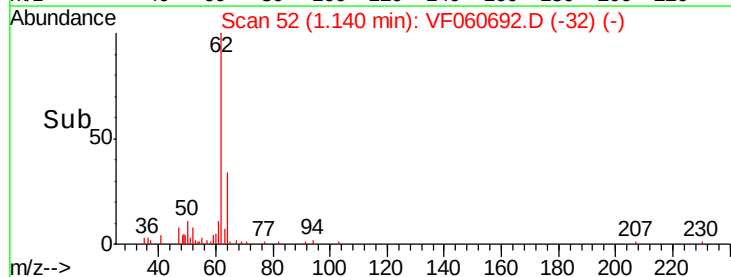
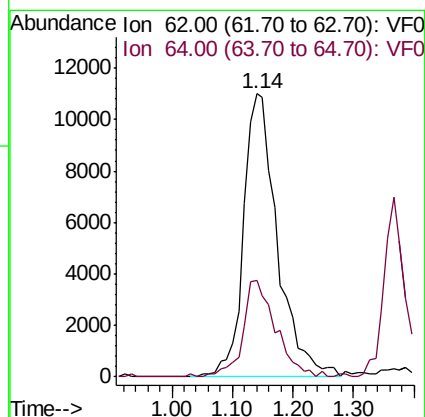
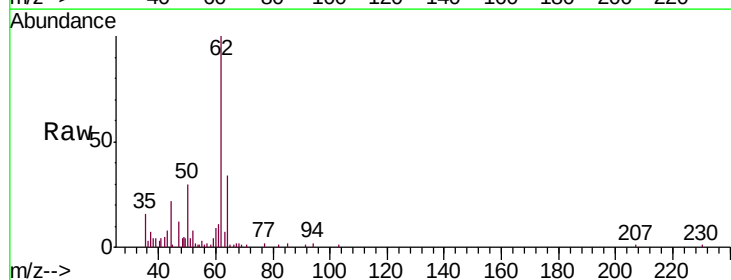
Acq: 12 Nov 2018 18:34

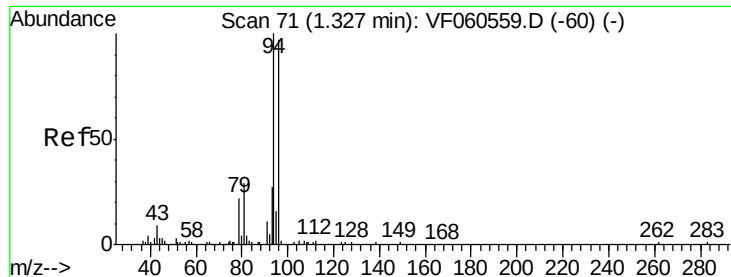
Tgt Ion: 62 Resp: 42669

Ion Ratio Lower Upper

62 100

64 34.1 21.8 32.6#





#5

Bromomethane

Concen: 28.676 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

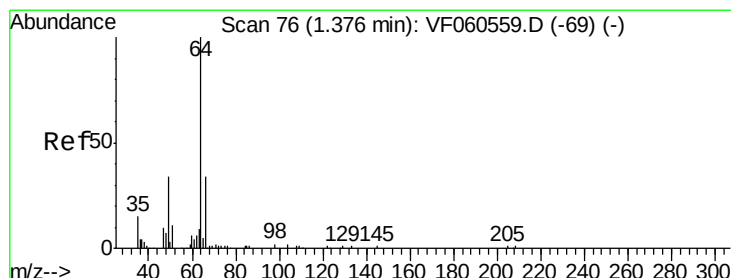
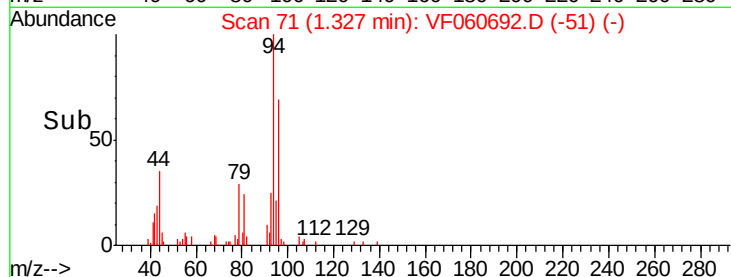
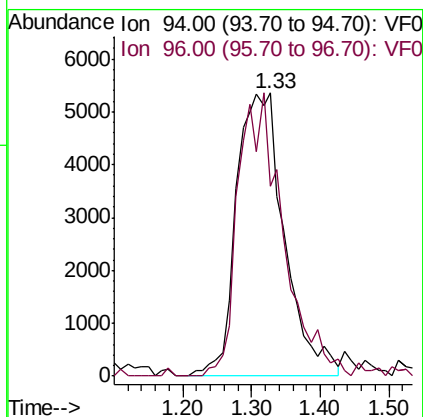
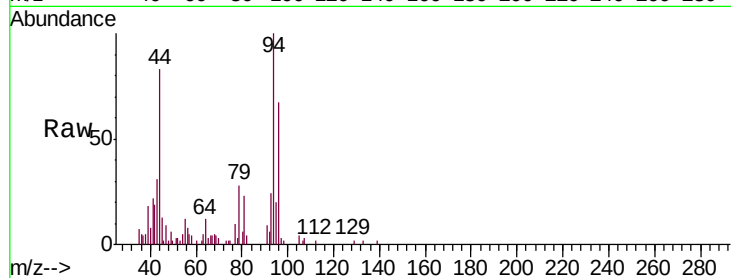
VF1112SBSD01

Tgt Ion: 94 Resp: 26006

Ion Ratio Lower Upper

94 100

96 67.0 77.9 116.9#



#6

Chloroethane

Concen: 27.633 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060692.D

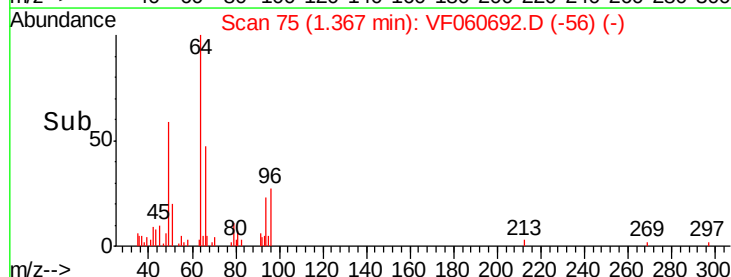
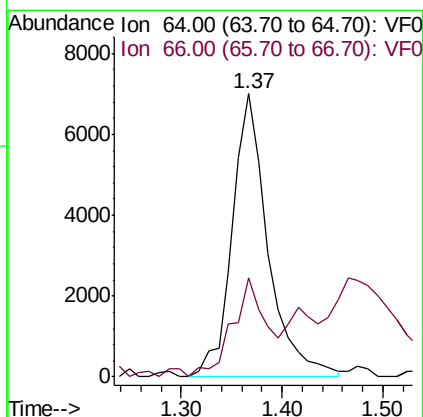
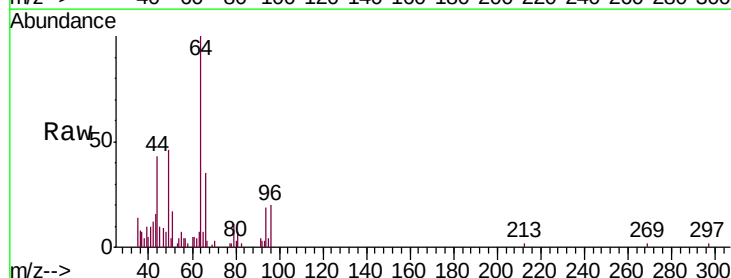
Acq: 12 Nov 2018 18:34

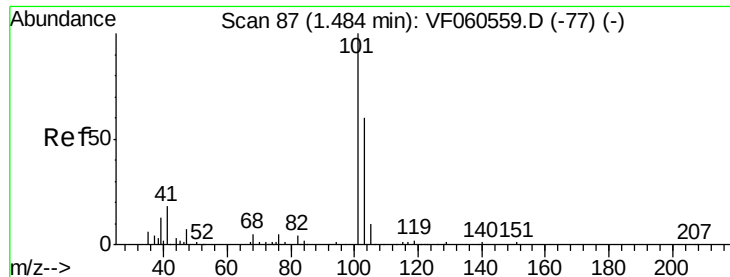
Tgt Ion: 64 Resp: 17241

Ion Ratio Lower Upper

64 100

66 34.8 27.8 41.8



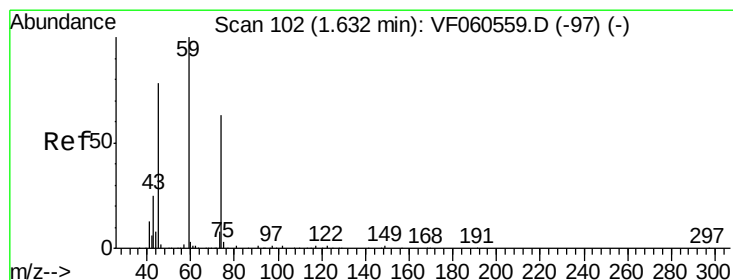
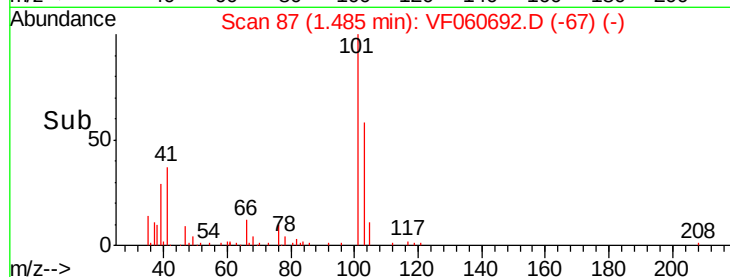
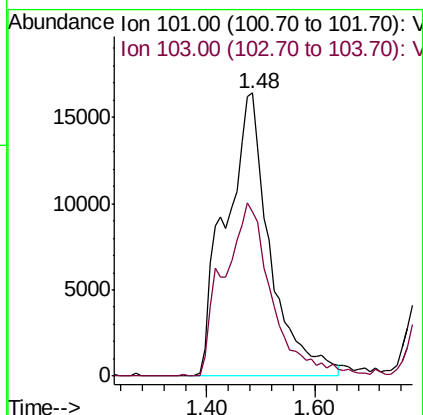
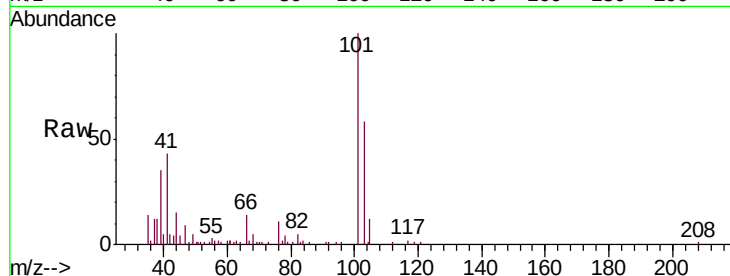


#7

Trichlorofluoromethane
Concen: 30.951 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.00 min
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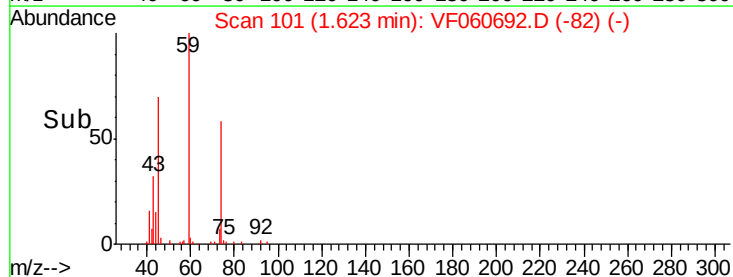
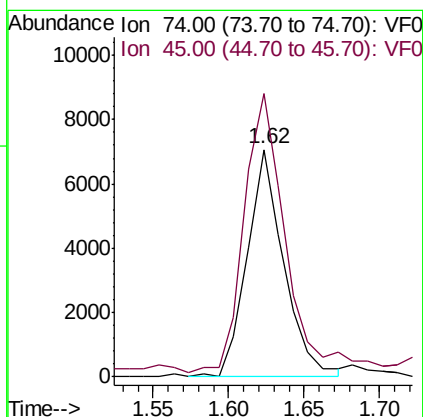
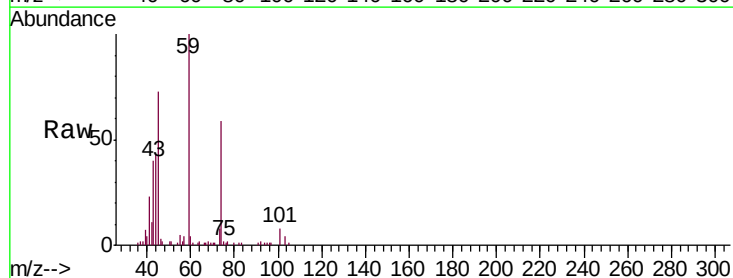
Tgt Ion:101 Resp: 93592
Ion Ratio Lower Upper
101 100
103 58.0 48.0 72.0

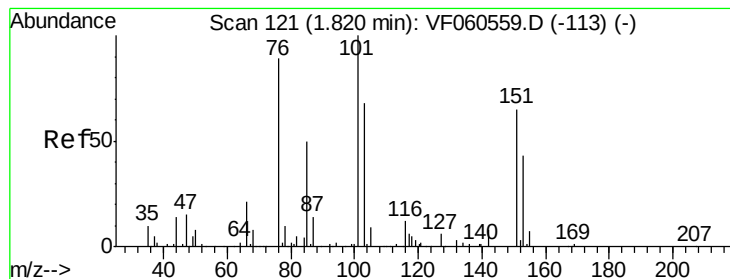


#8

Diethyl Ether
Concen: 21.321 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 74 Resp: 11949
Ion Ratio Lower Upper
74 100
45 124.5 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.105 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

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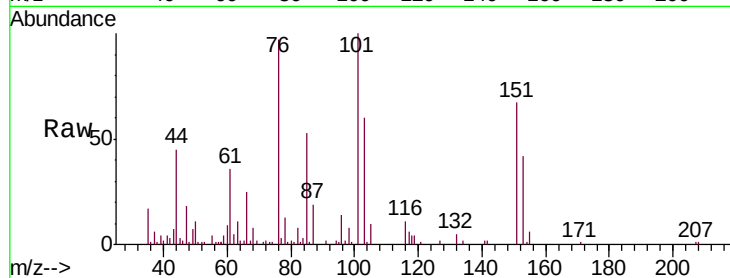
Tgt Ion:101 Resp: 48565

Ion Ratio Lower Upper

101 100

85 53.3 39.8 59.6

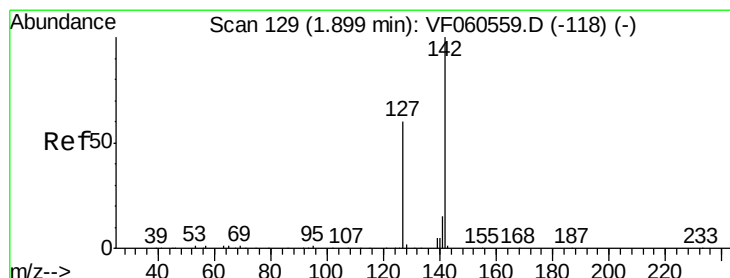
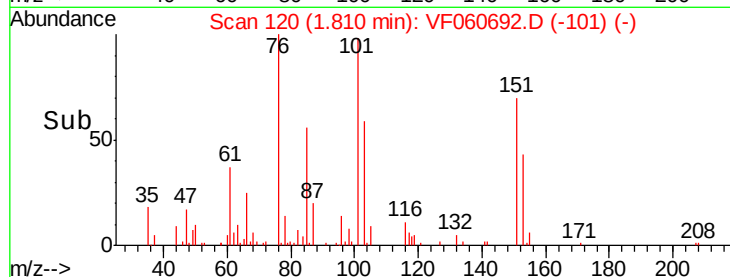
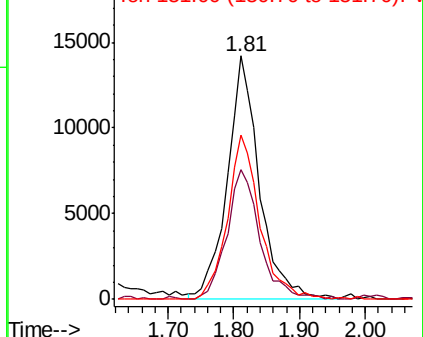
151 67.3 50.8 76.2



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: 25.288 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

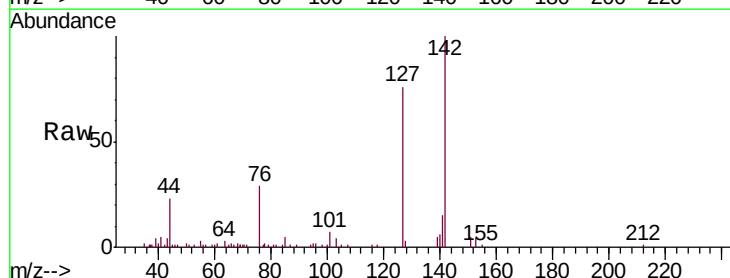
Tgt Ion:142 Resp: 71908

Ion Ratio Lower Upper

142 100

127 76.0 47.8 71.6#

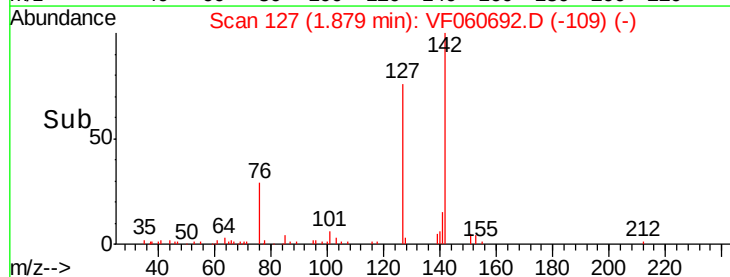
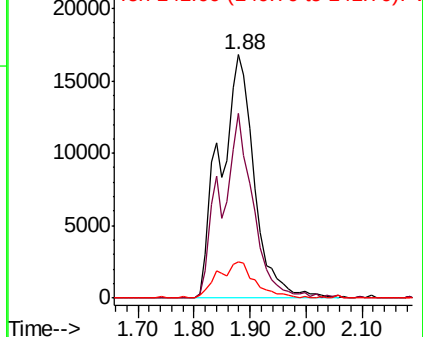
141 15.0 12.7 19.1

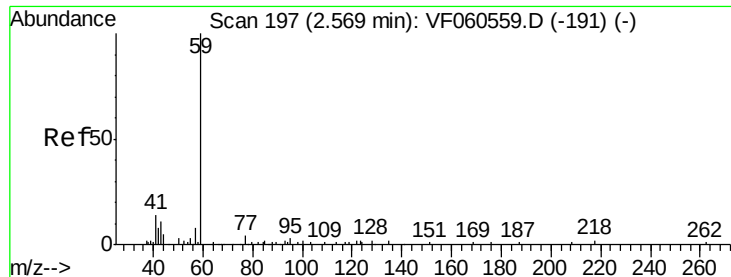


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



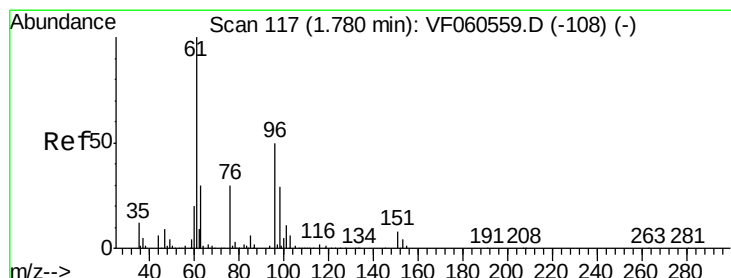
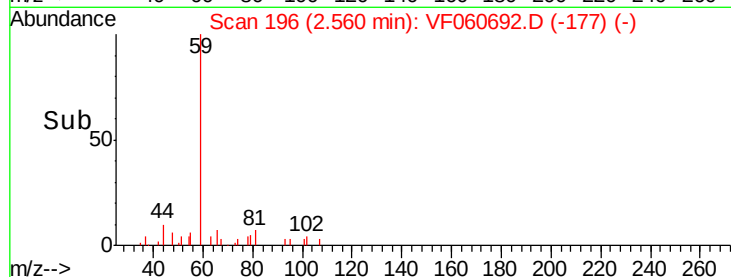
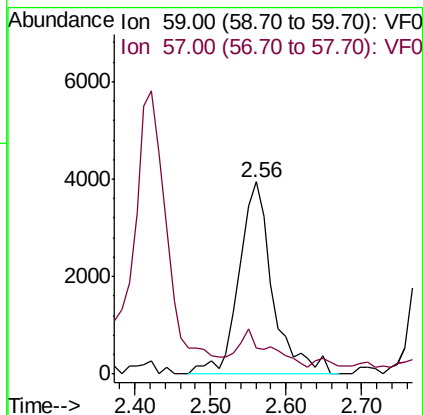
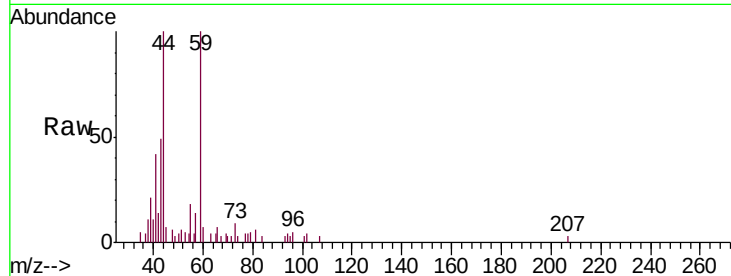


#11

Tert butyl alcohol
Concen: 110.837 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

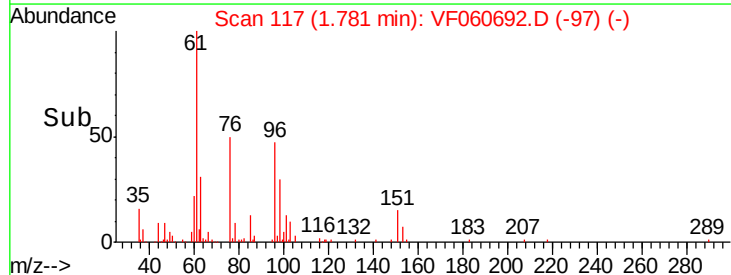
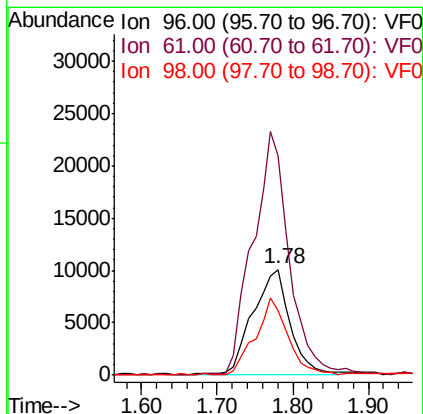
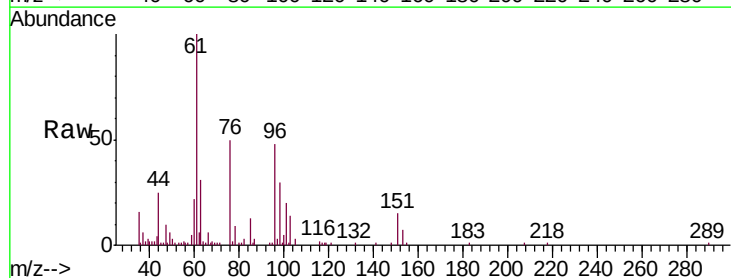
Tgt Ion: 59 Resp: 12149
Ion Ratio Lower Upper
59 100
57 13.6 19.0 28.4#

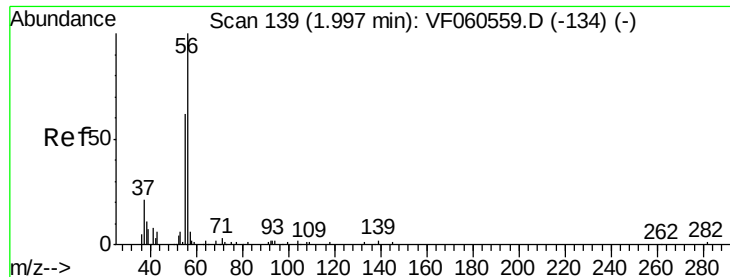


#12

1,1-Dichloroethene
Concen: 23.954 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 96 Resp: 34861
Ion Ratio Lower Upper
96 100
61 207.6 158.1 237.1
98 61.6 47.0 70.6





#13

Acrolein

Concen: 87.232 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

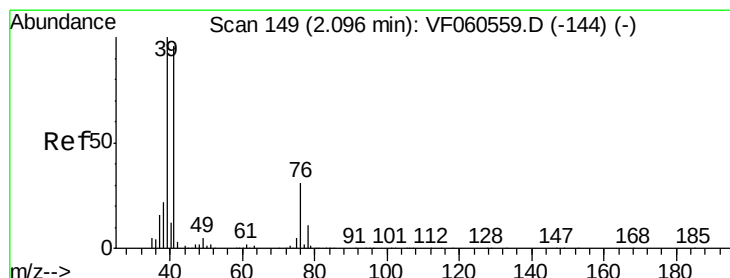
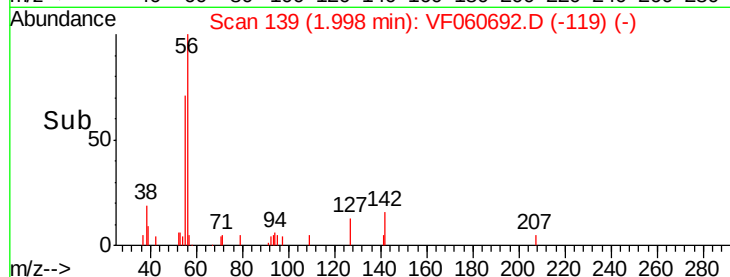
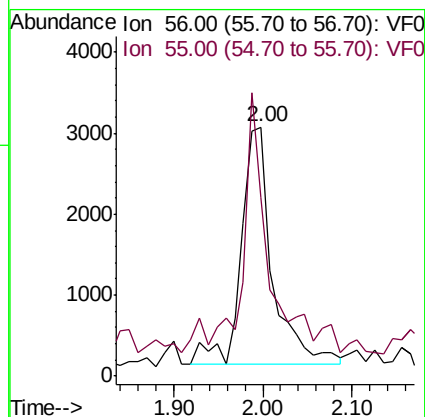
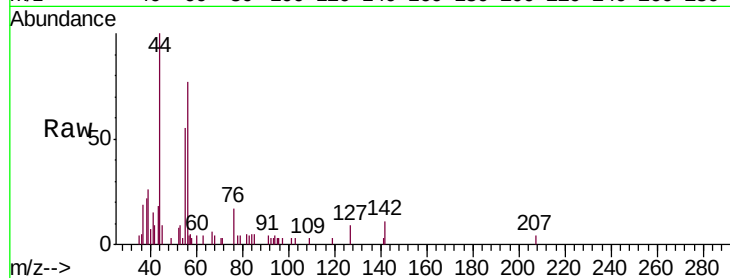
VF1112SBSD01

Tgt Ion: 56 Resp: 7248

Ion Ratio Lower Upper

56 100

55 71.7 61.8 92.6



#14

Allyl chloride

Concen: 26.269 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

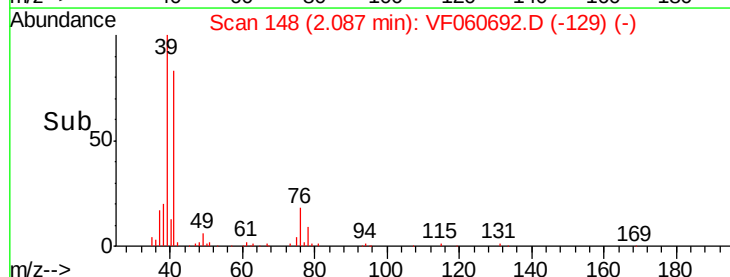
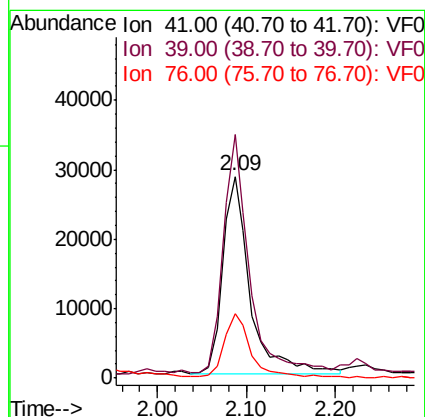
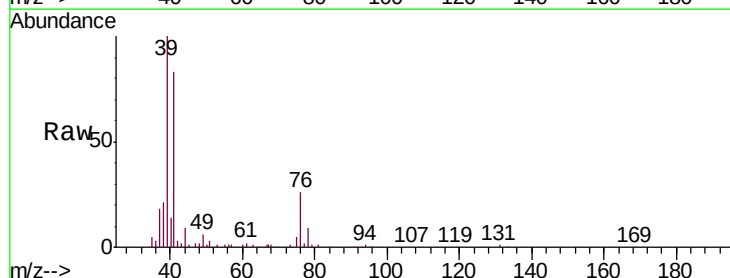
Tgt Ion: 41 Resp: 62424

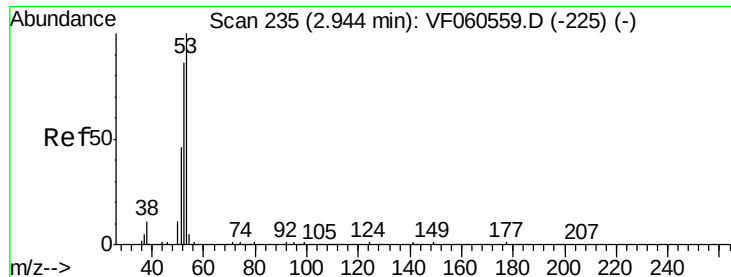
Ion Ratio Lower Upper

41 100

39 120.7 82.6 124.0

76 31.7 26.7 40.1





#15

Acrylonitrile

Concen: 98.752 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

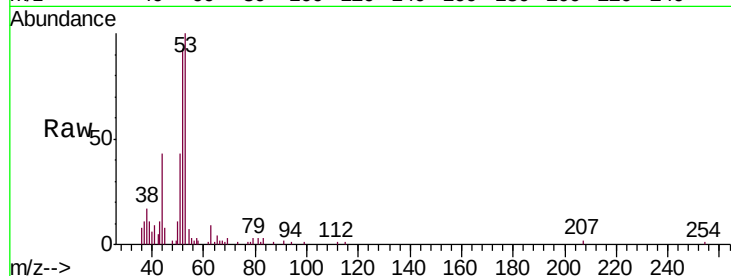
Tgt Ion: 53 Resp: 23822

Ion Ratio Lower Upper

53 100

52 93.5 68.5 102.7

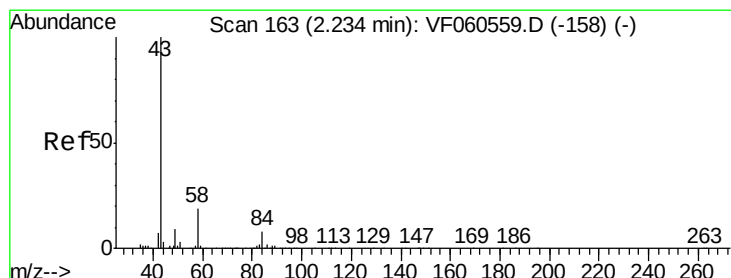
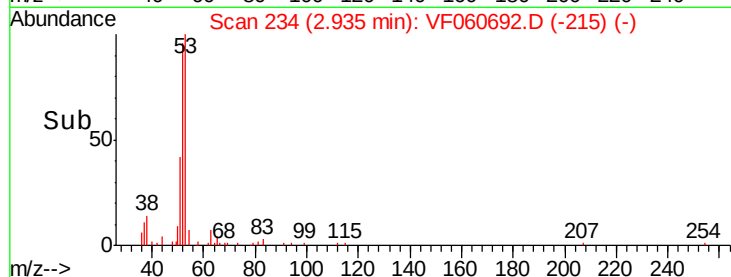
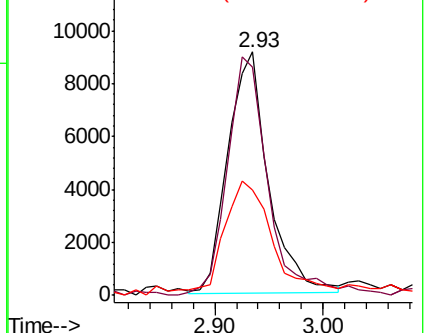
51 43.3 38.2 57.2



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: 144.726 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF060692.D

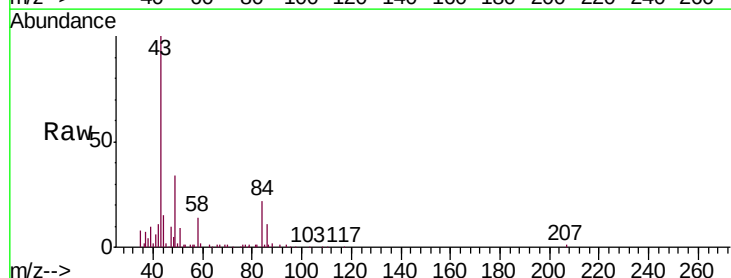
Acq: 12 Nov 2018 18:34

Tgt Ion: 43 Resp: 69028

Ion Ratio Lower Upper

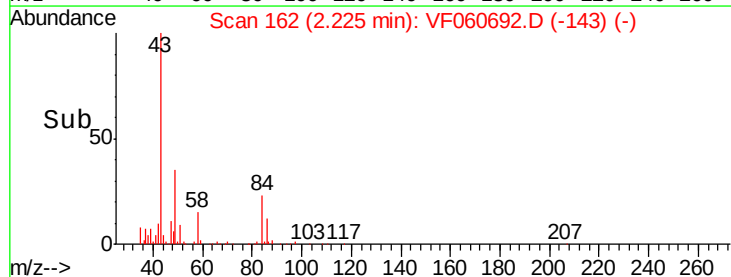
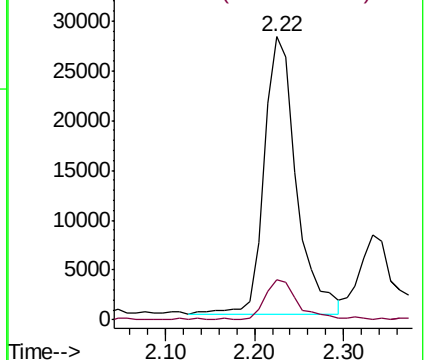
43 100

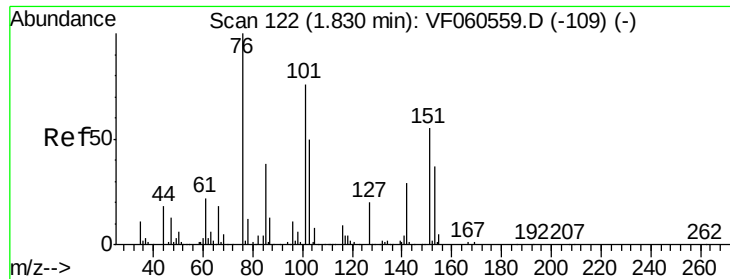
58 14.1 14.6 22.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 16.725 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

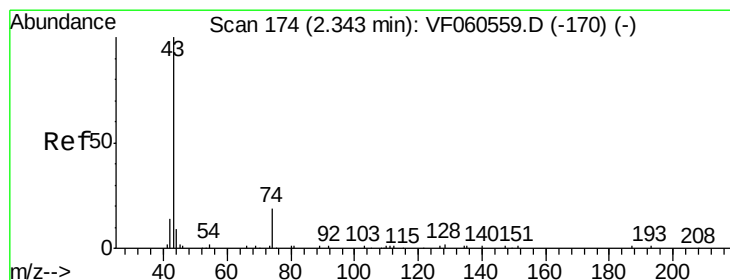
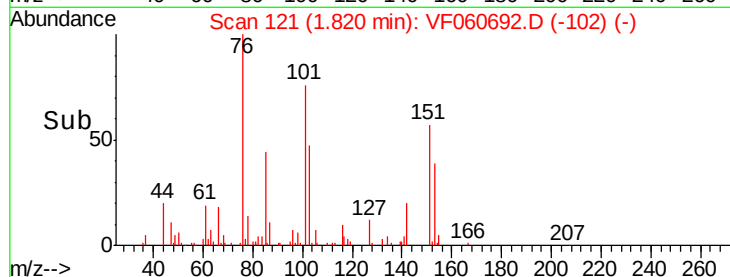
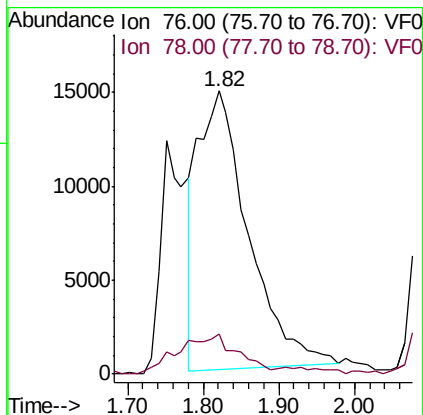
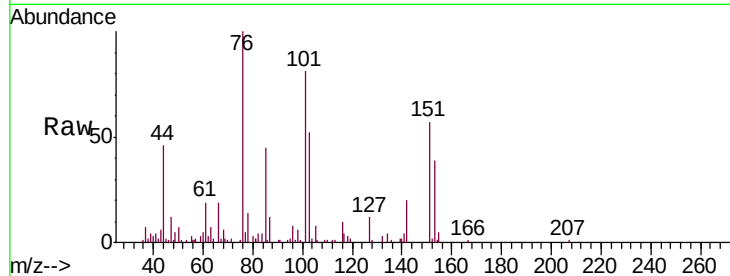
VF1112SBSD01

Tgt Ion: 76 Resp: 68566

Ion Ratio Lower Upper

76 100

78 14.2 9.9 14.9



#18

Methyl Acetate

Concen: 24.815 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060692.D

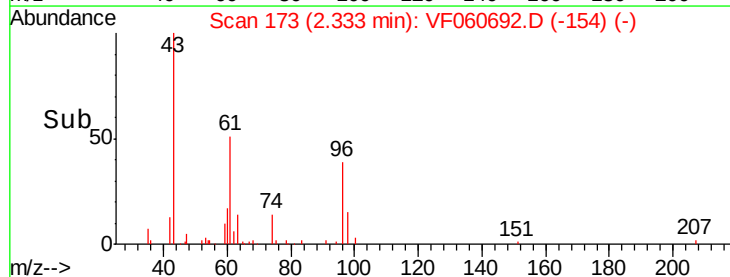
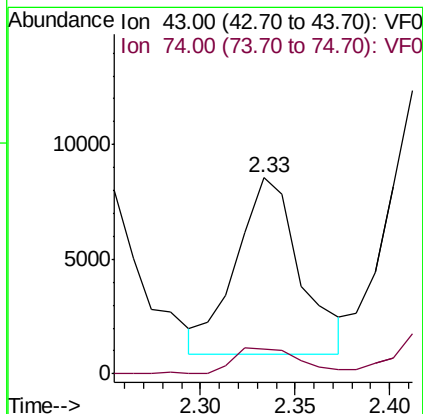
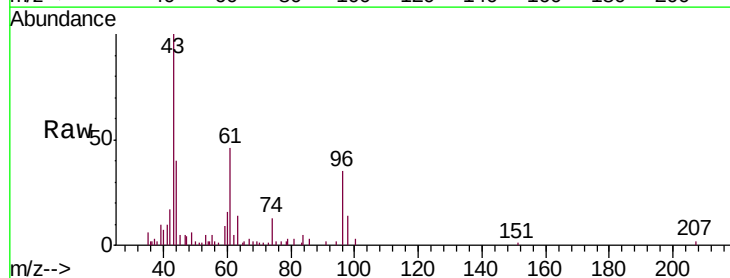
Acq: 12 Nov 2018 18:34

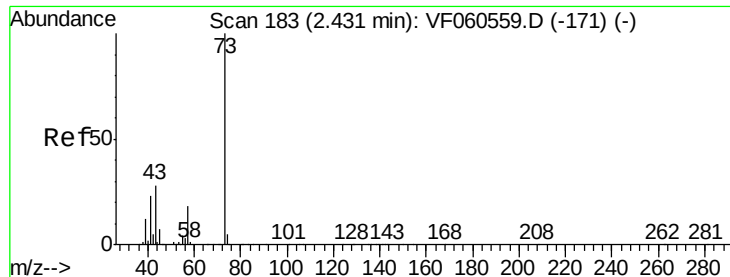
Tgt Ion: 43 Resp: 18204

Ion Ratio Lower Upper

43 100

74 12.6 12.1 18.1





#19

Methyl tert-butyl Ether

Concen: 25.576 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

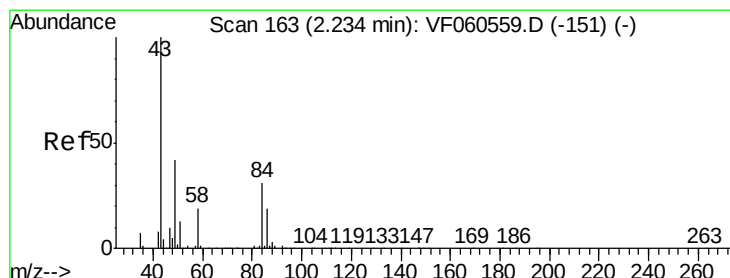
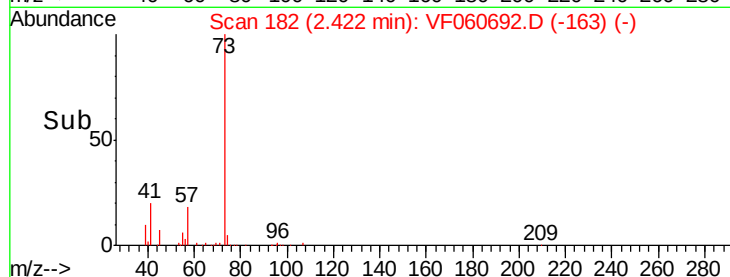
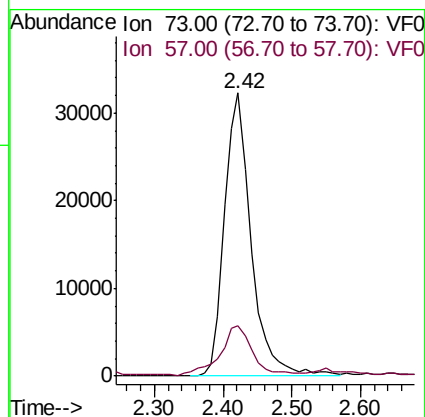
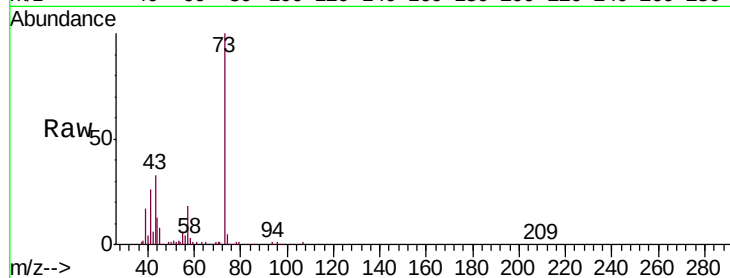
VF1112SBSD01

Tgt Ion: 73 Resp: 87012

Ion Ratio Lower Upper

73 100

57 18.0 15.4 23.0



#20

Methylene Chloride

Concen: 10.029 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.06 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion: 84 Resp: 20361

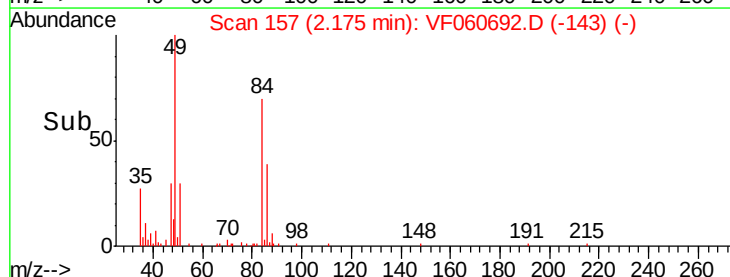
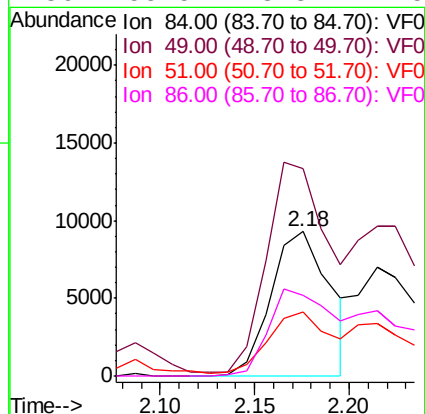
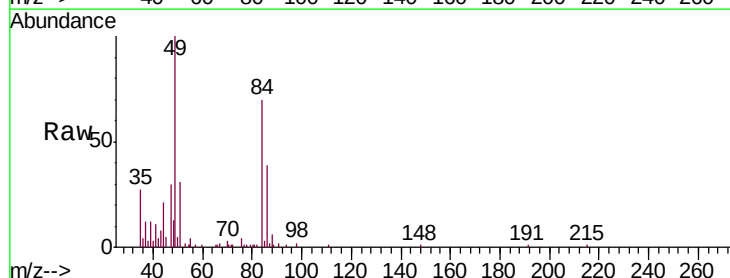
Ion Ratio Lower Upper

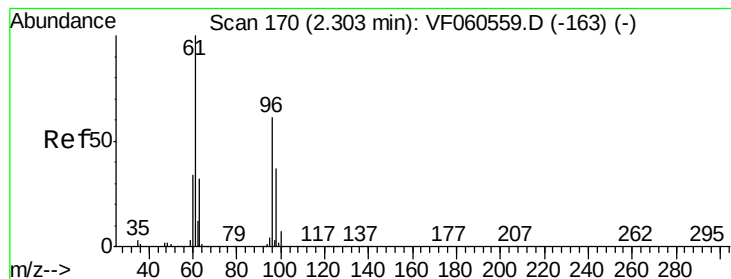
84 100

49 143.2 109.9 164.9

51 44.4 35.8 53.8

86 55.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 25.126 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

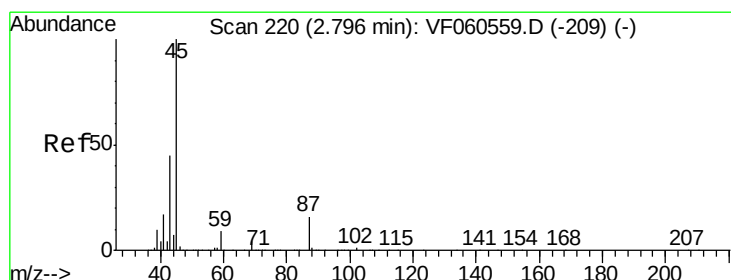
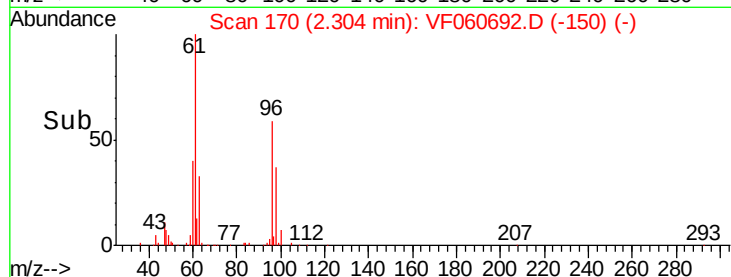
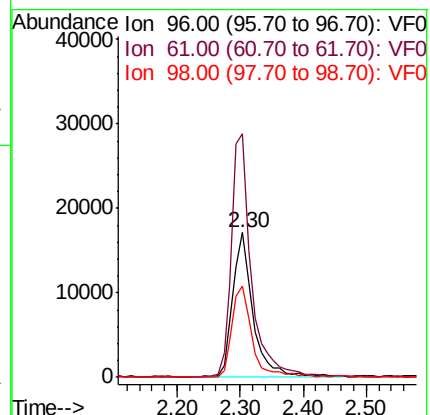
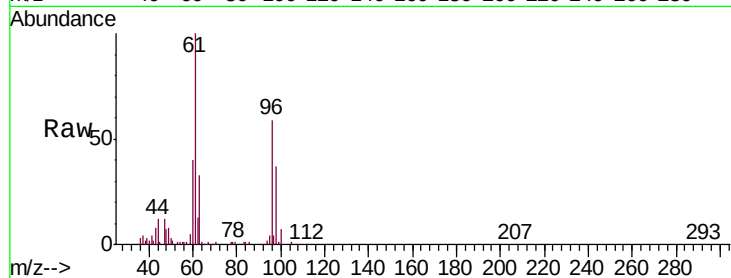
Tgt Ion: 96 Resp: 38363

Ion Ratio Lower Upper

96 100

61 168.1 131.3 196.9

98 62.8 48.6 73.0



#22

Diisopropyl ether

Concen: 22.857 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion: 45 Resp: 115081

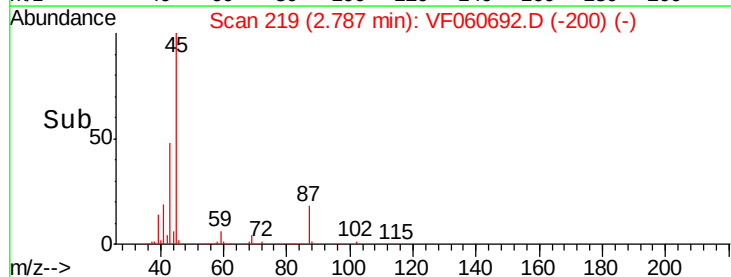
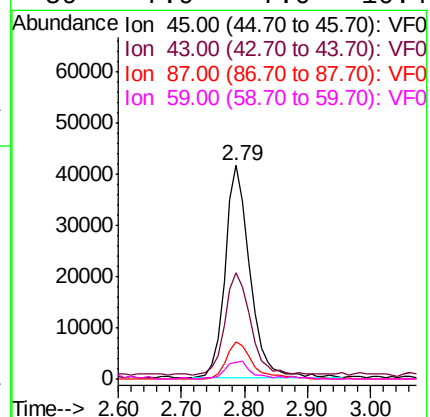
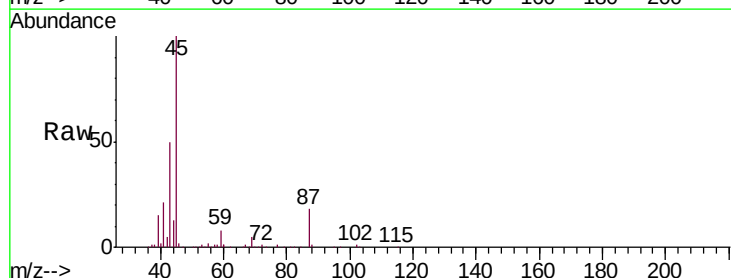
Ion Ratio Lower Upper

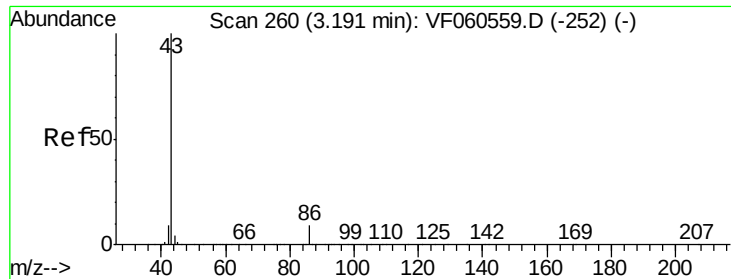
45 100

43 49.5 38.1 57.1

87 17.5 12.7 19.1

59 7.9 7.0 10.4





#23

Vinyl Acetate

Concen: 98.521 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

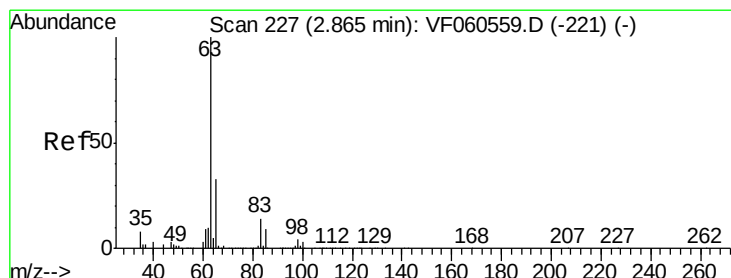
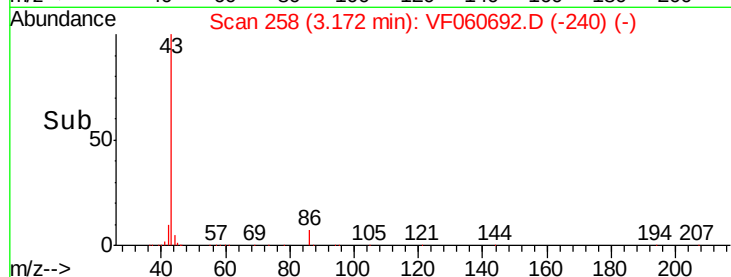
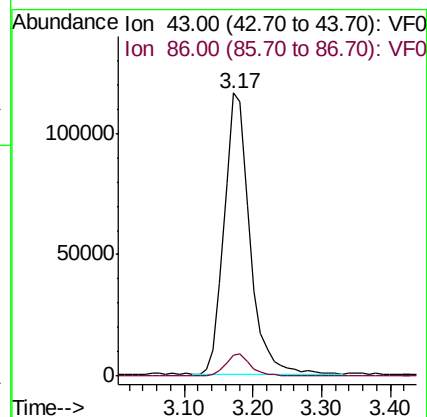
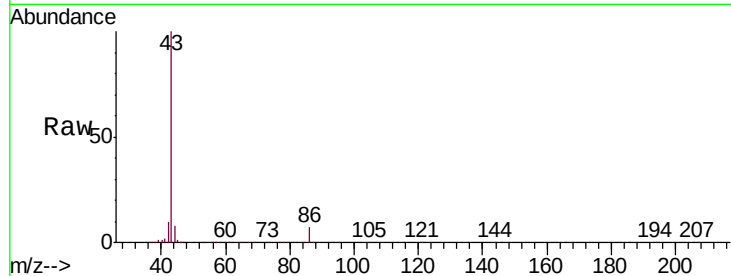
VF1112SBSD01

Tgt Ion: 43 Resp: 298036

Ion Ratio Lower Upper

43 100

86 7.3 7.1 10.7



#24

1,1-Dichloroethane

Concen: 25.994 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

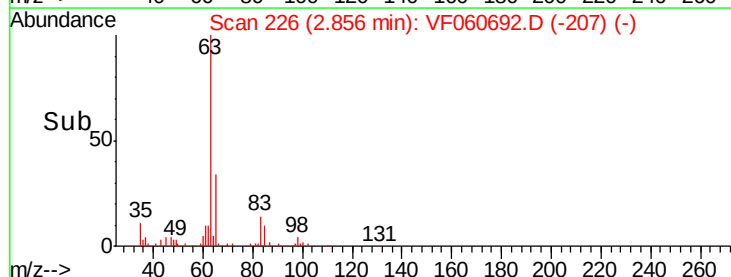
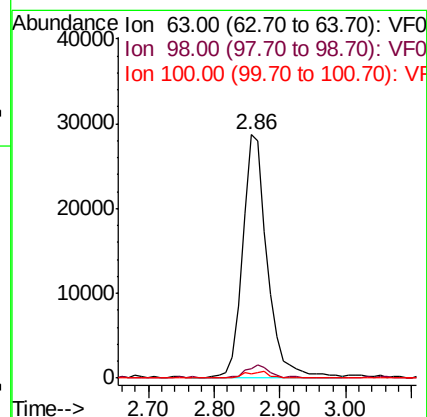
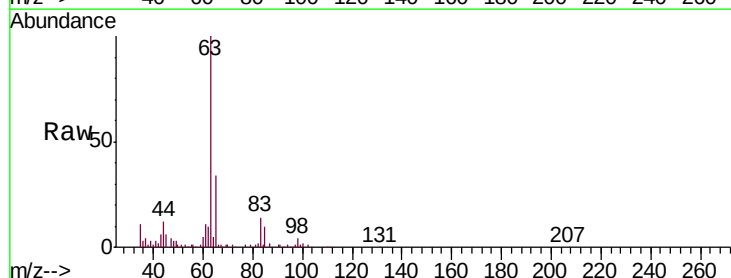
Tgt Ion: 63 Resp: 75744

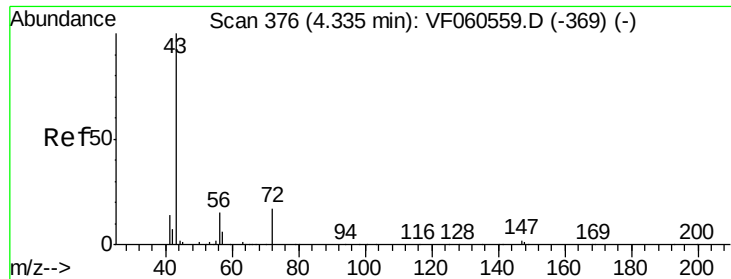
Ion Ratio Lower Upper

63 100

98 3.7 2.2 6.6

100 1.7 1.4 4.0





#25

2-Butanone

Concen: 92.079 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

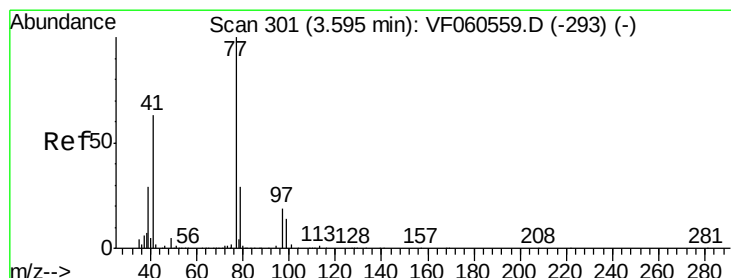
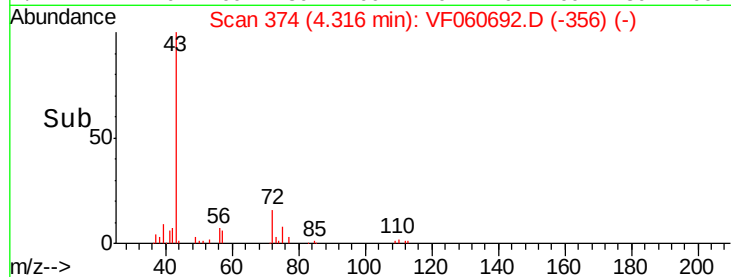
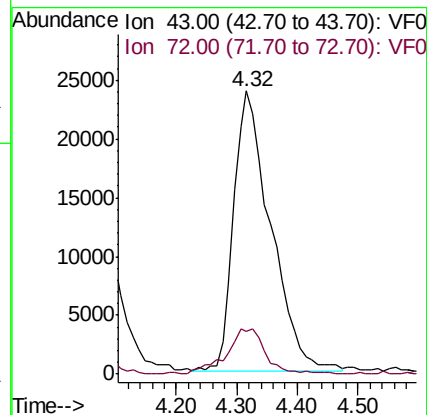
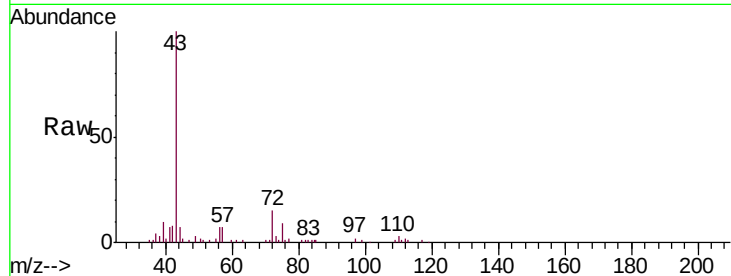
VF1112SBSD01

Tgt Ion: 43 Resp: 100769

Ion Ratio Lower Upper

43 100

72 15.2 16.2 24.2#



#26

2,2-Dichloropropane

Concen: 26.833 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060692.D

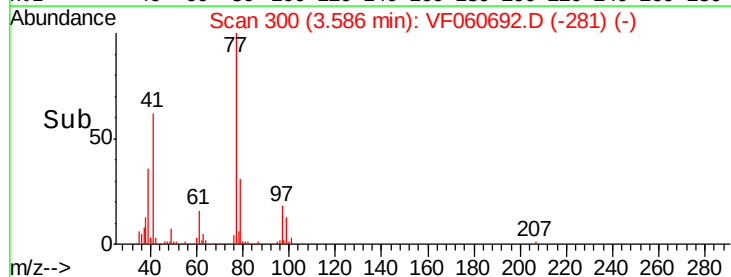
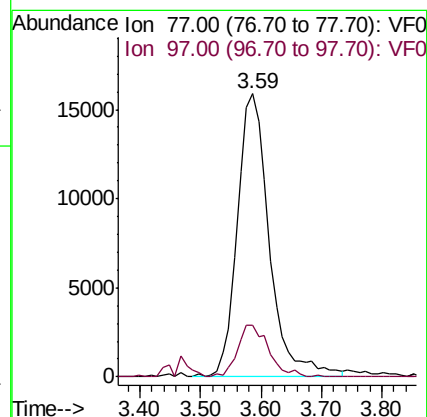
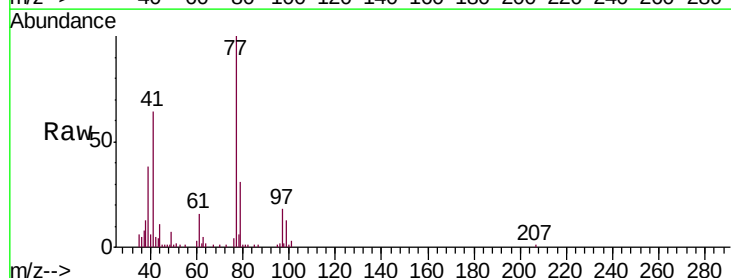
Acq: 12 Nov 2018 18:34

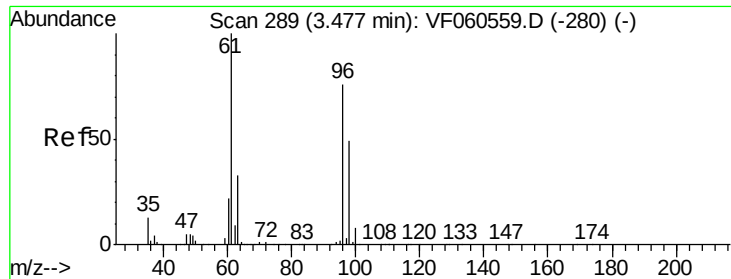
Tgt Ion: 77 Resp: 58503

Ion Ratio Lower Upper

77 100

97 18.0 9.8 29.3



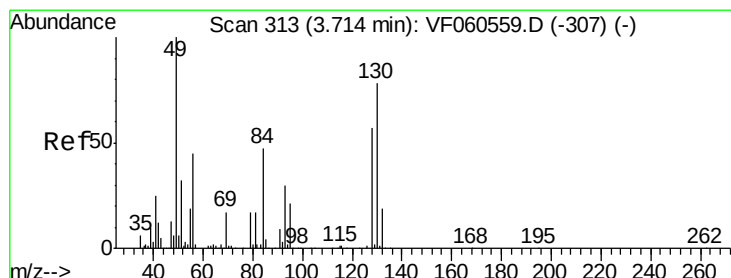
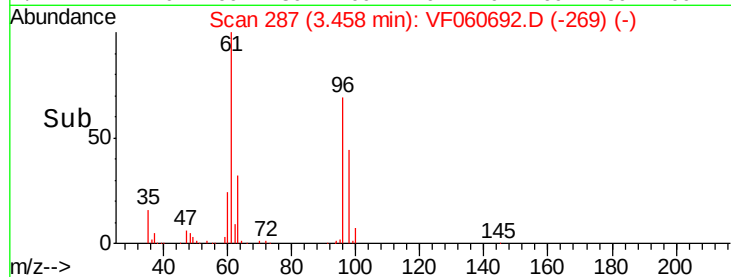
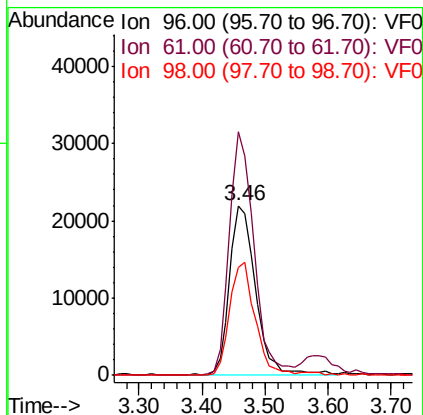
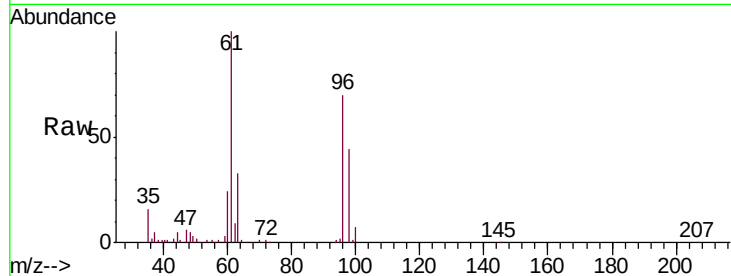


#27

cis-1,2-Dichloroethene
 Concen: 21.613 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

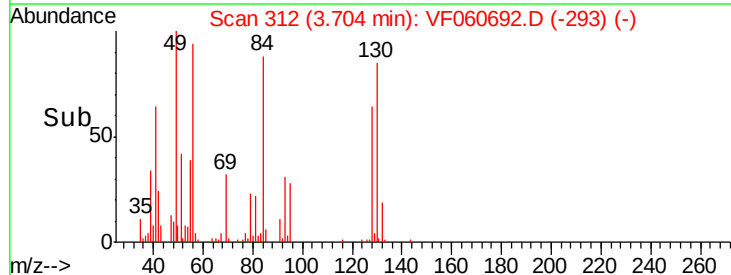
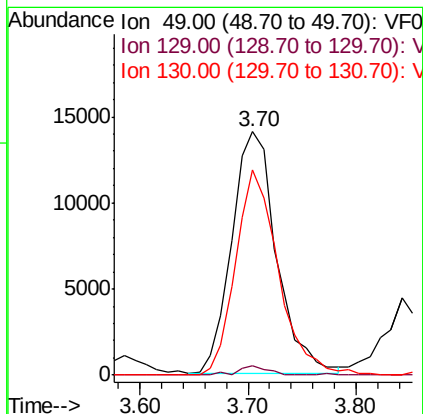
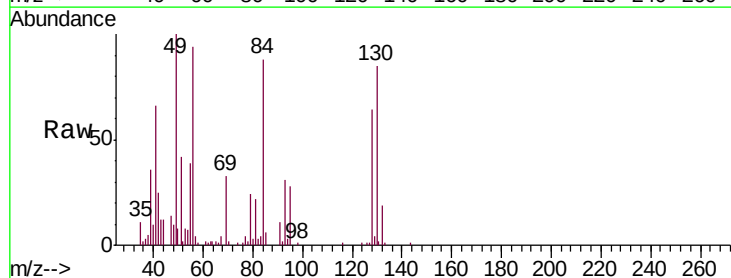
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	263.0
98	63.6	0.0	130.6

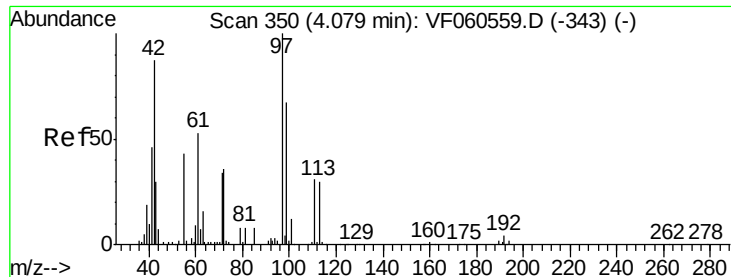


#28

Bromochloromethane
 Concen: 22.062 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.9	0.0	4.6
130	84.5	61.8	92.8





#29

Tetrahydrofuran

Concen: 99.989 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

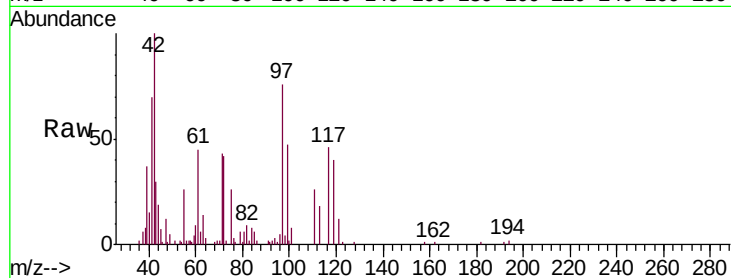
Tgt Ion: 42 Resp: 37629

Ion Ratio Lower Upper

42 100

72 38.5 31.4 47.0

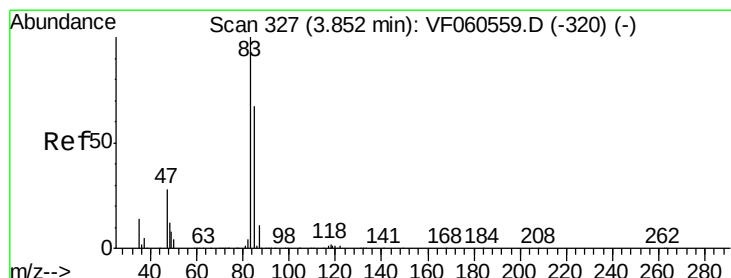
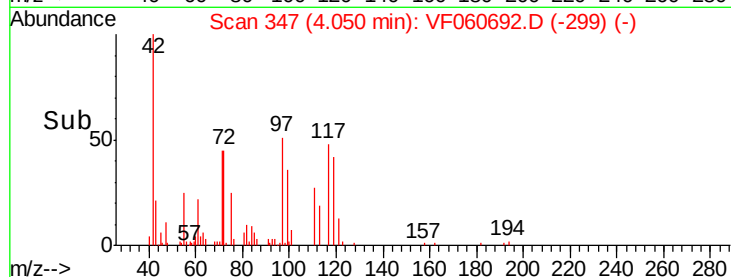
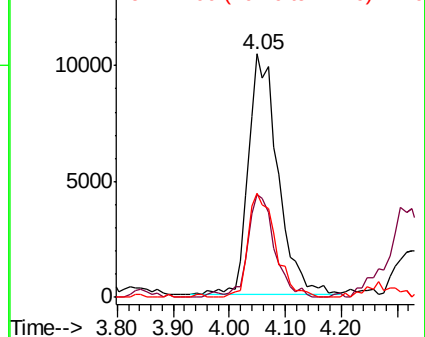
71 40.4 31.8 47.6



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: 24.837 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF060692.D

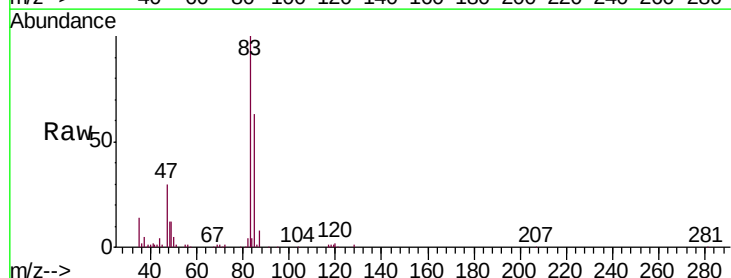
Acq: 12 Nov 2018 18:34

Tgt Ion: 83 Resp: 114500

Ion Ratio Lower Upper

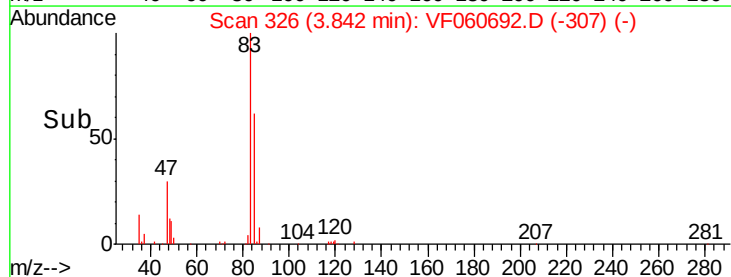
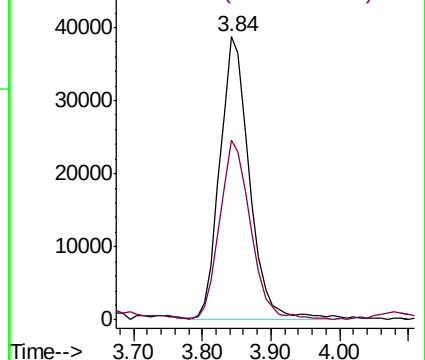
83 100

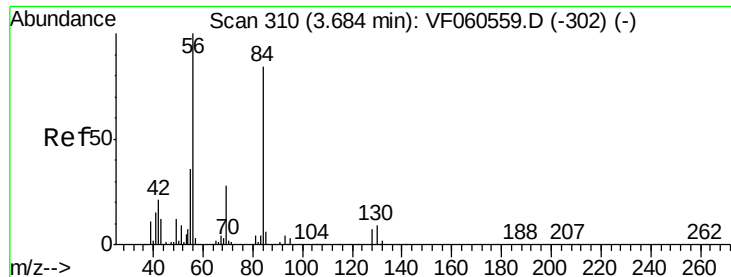
85 63.4 53.7 80.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.909 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

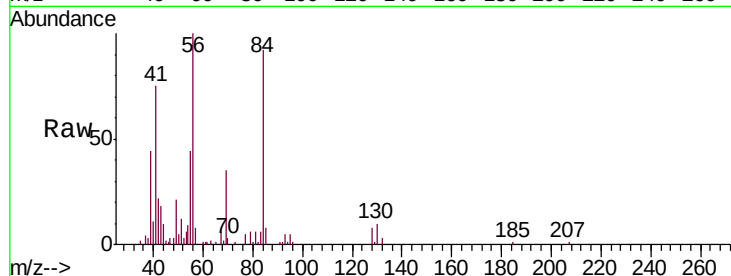
Tgt Ion: 56 Resp: 88099

Ion Ratio Lower Upper

56 100

69 34.7 23.0 34.4#

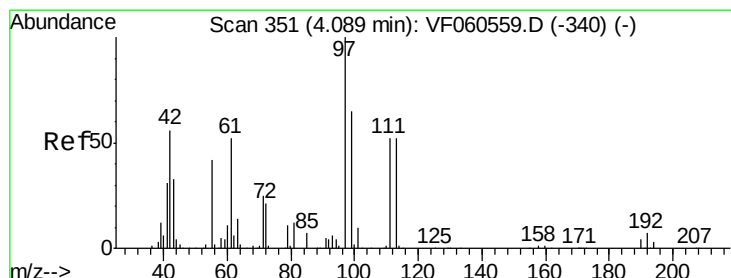
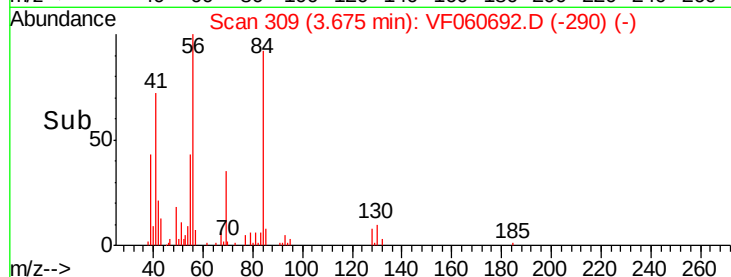
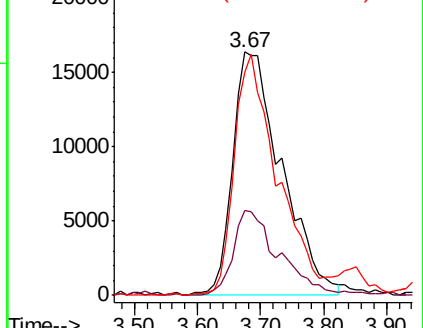
84 91.6 67.1 100.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 28.868 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

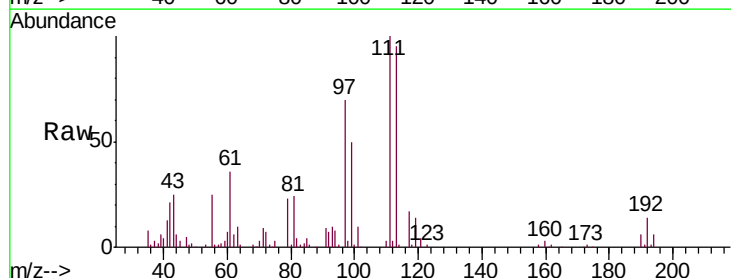
Tgt Ion: 97 Resp: 92949

Ion Ratio Lower Upper

97 100

99 71.2 52.4 78.6

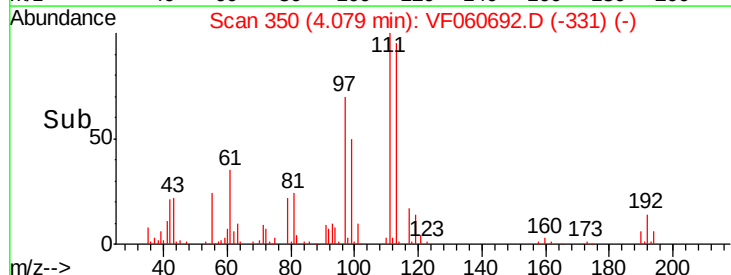
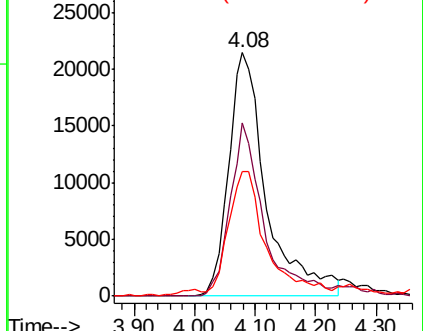
61 51.0 41.5 62.3

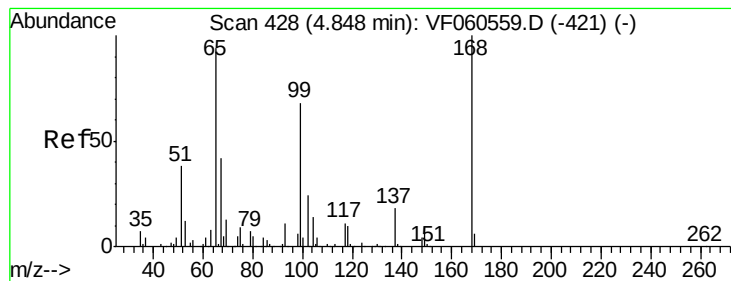


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 64.586 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

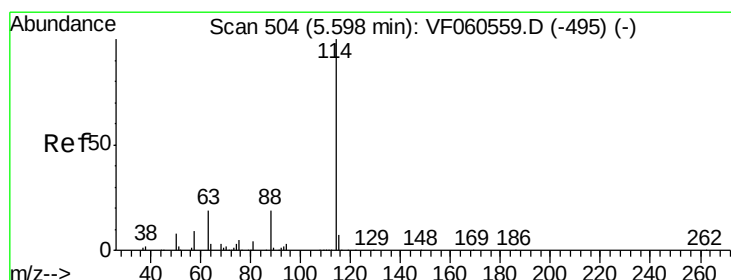
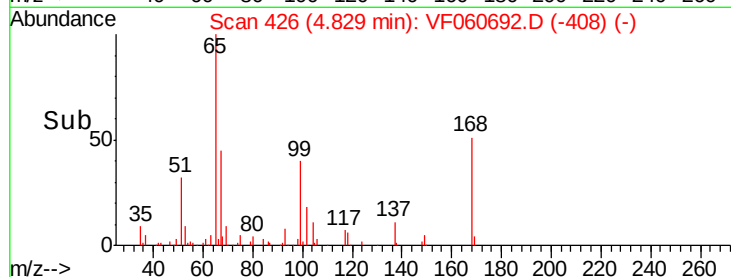
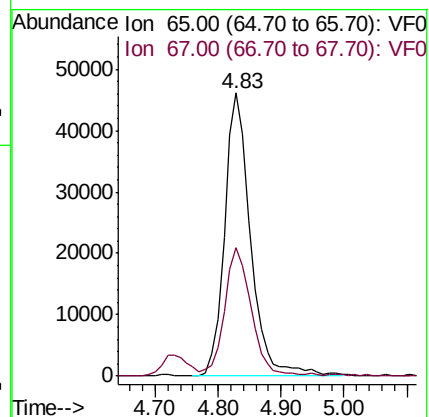
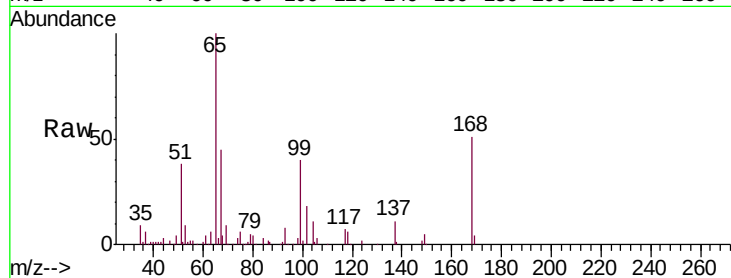
VF1112SBSD01

Tgt Ion: 65 Resp: 130729

Ion Ratio Lower Upper

65 100

67 45.5 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: VF060692.D

Acq: 12 Nov 2018 18:34

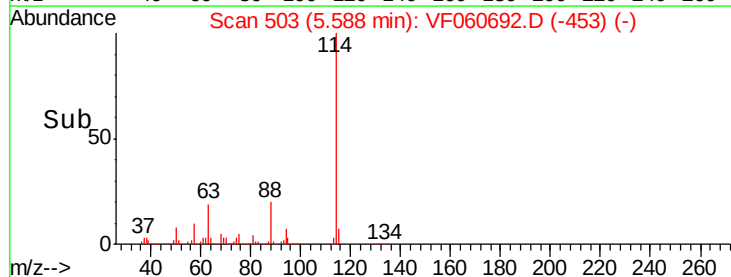
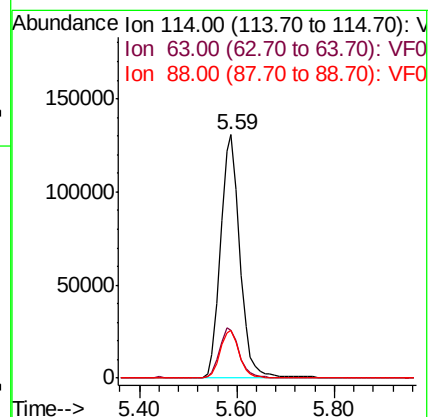
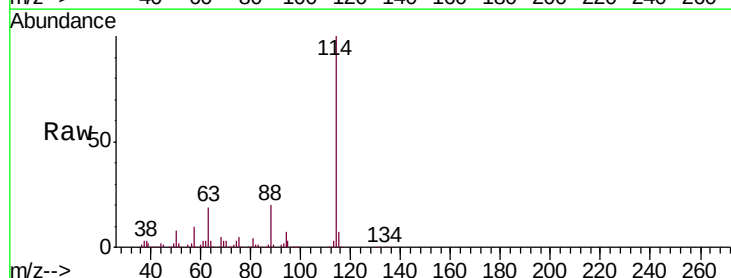
Tgt Ion: 114 Resp: 363459

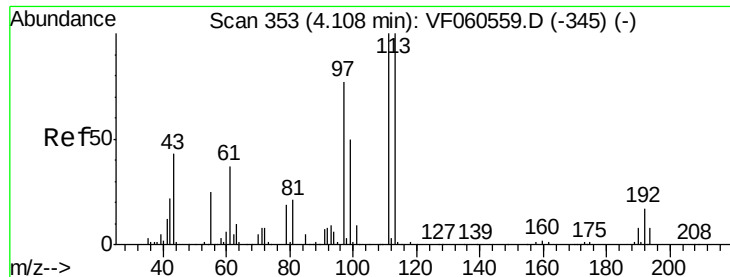
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 19.5 0.0 38.2





#35

Dibromofluoromethane

Concen: 53.594 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

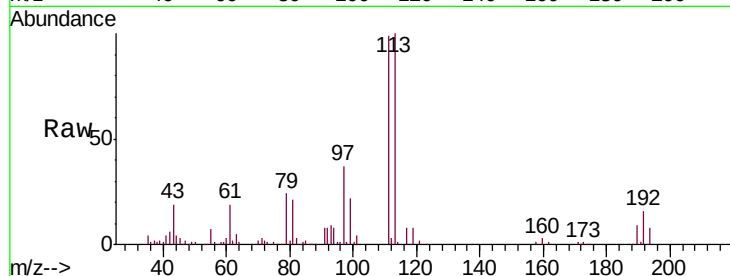
Tgt Ion:113 Resp: 150497

Ion Ratio Lower Upper

113 100

111 98.5 79.9 119.9

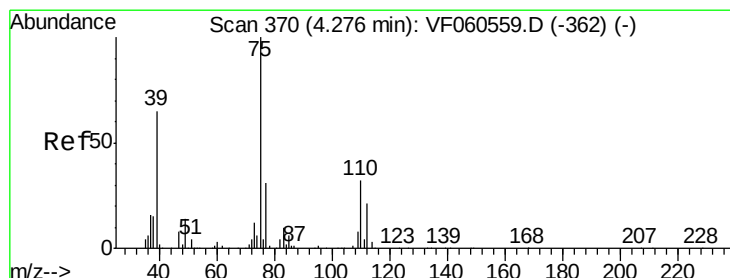
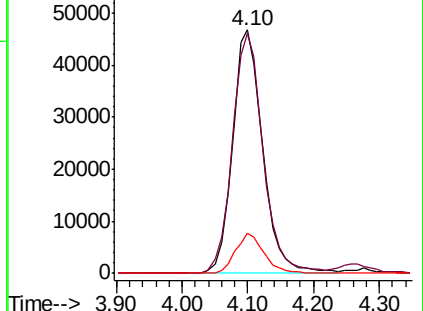
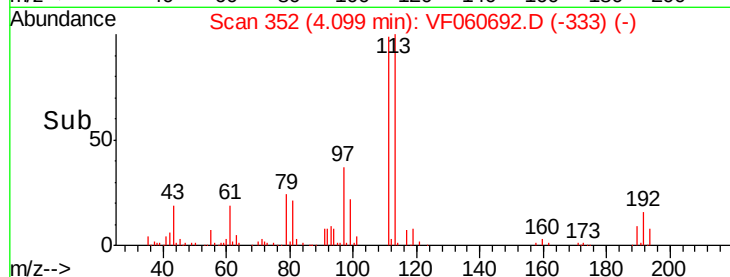
192 16.4 13.3 19.9



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: 20.778 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

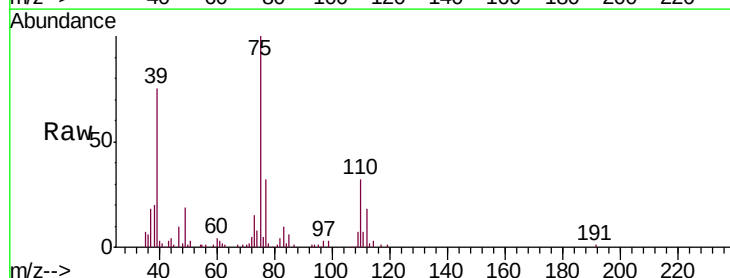
Tgt Ion: 75 Resp: 83151

Ion Ratio Lower Upper

75 100

110 32.0 16.2 48.6

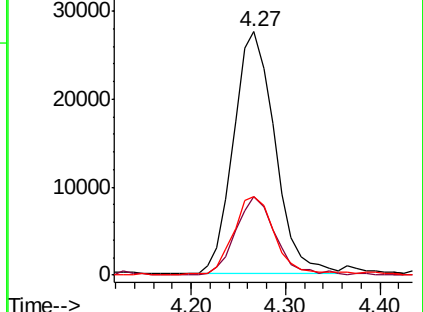
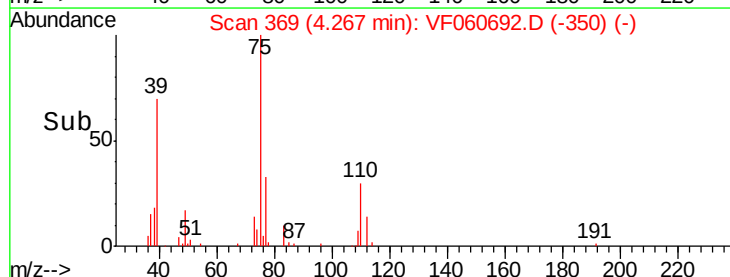
77 32.1 25.0 37.6

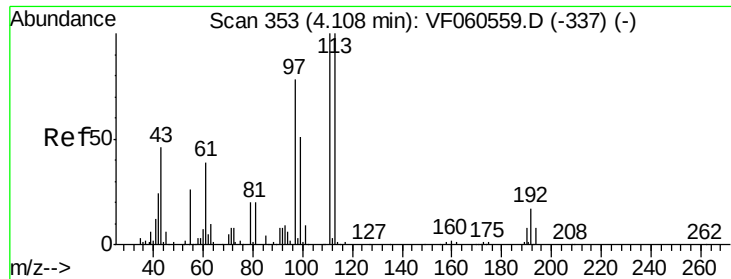


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

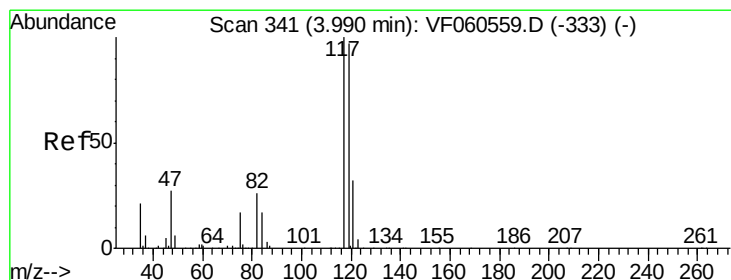
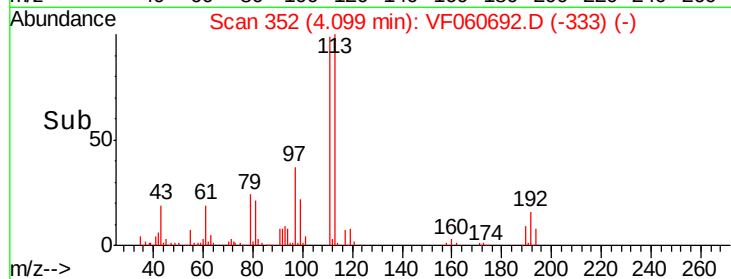
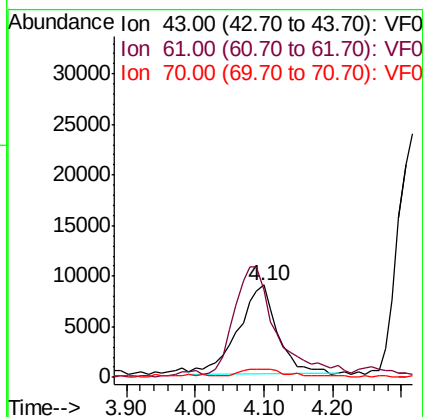
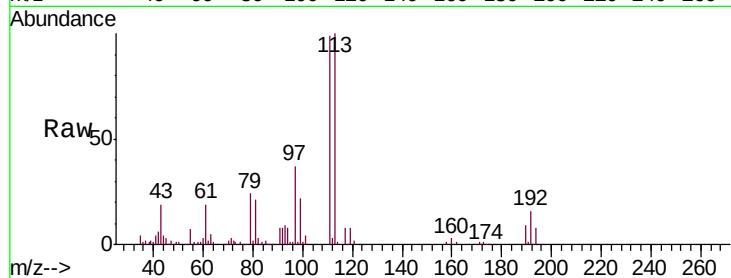




#37
Ethyl Acetate
Concen: 17.977 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

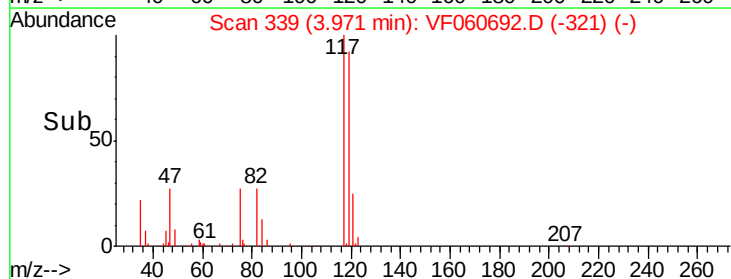
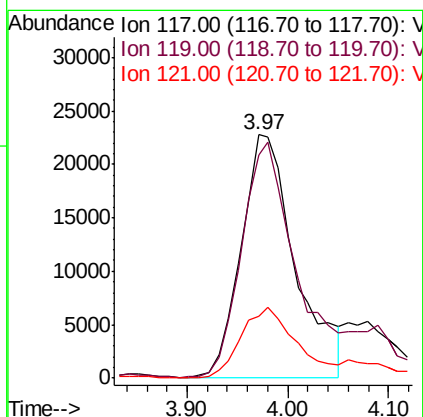
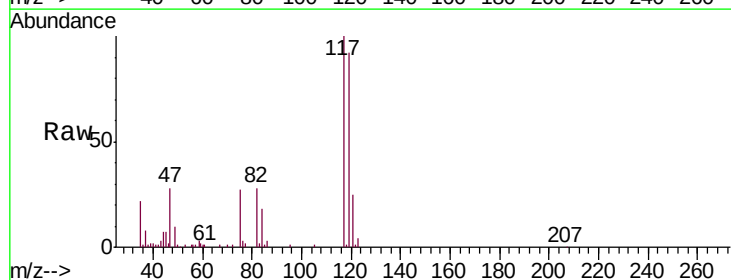
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

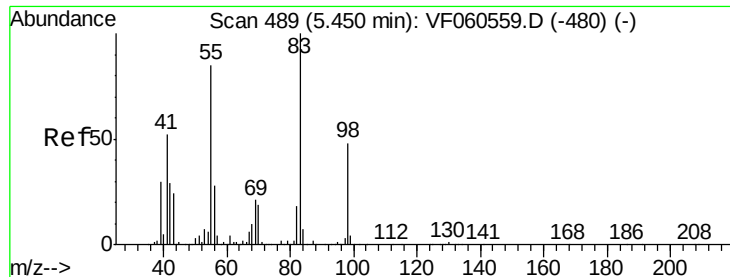
Tgt Ion: 43 Resp: 34535
Ion Ratio Lower Upper
43 100
61 95.5 63.4 95.2#
70 9.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 25.025 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 117 Resp: 85575
Ion Ratio Lower Upper
117 100
119 91.7 77.8 116.6
121 26.3 25.6 38.4

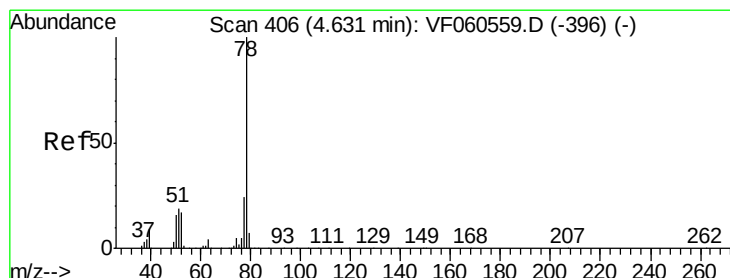
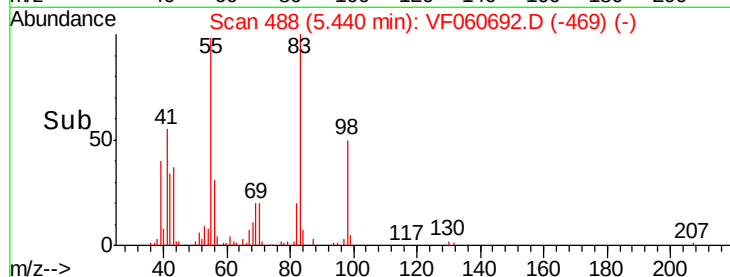
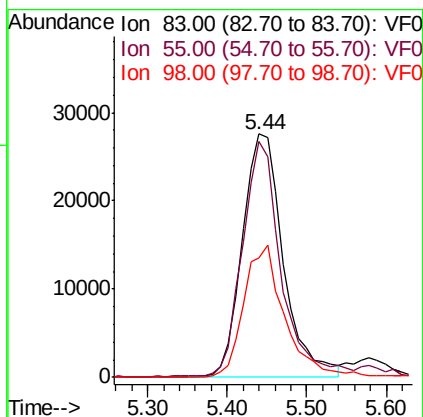
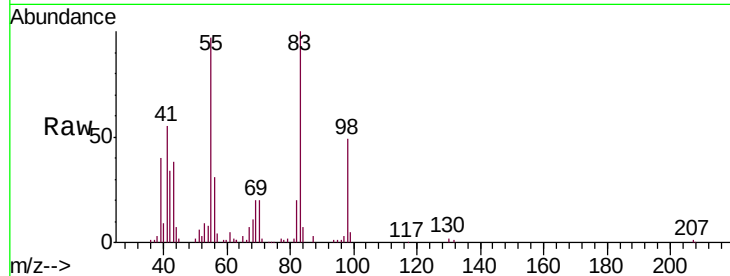




#39
Methylcyclohexane
Concen: 20.116 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

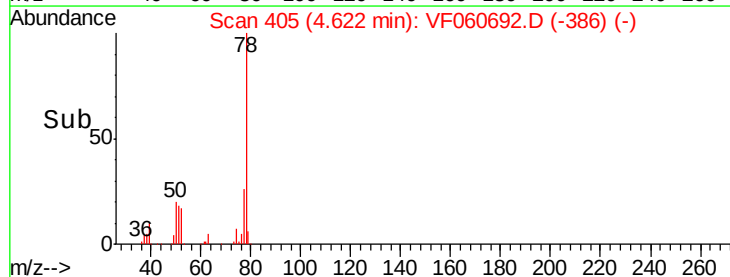
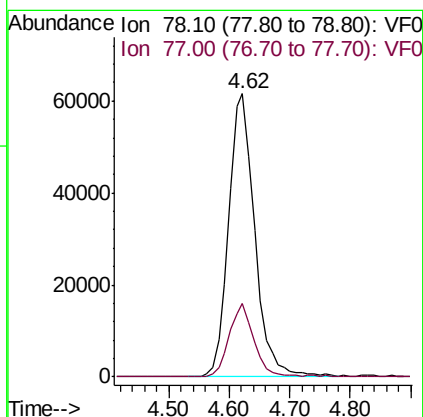
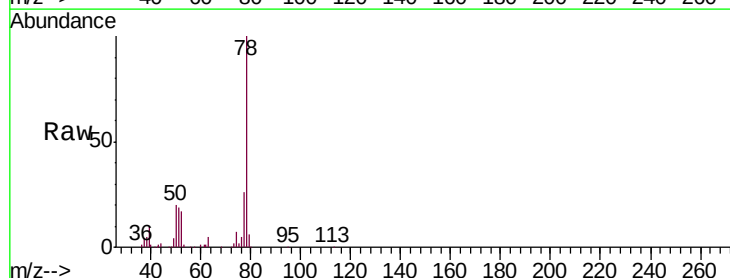
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

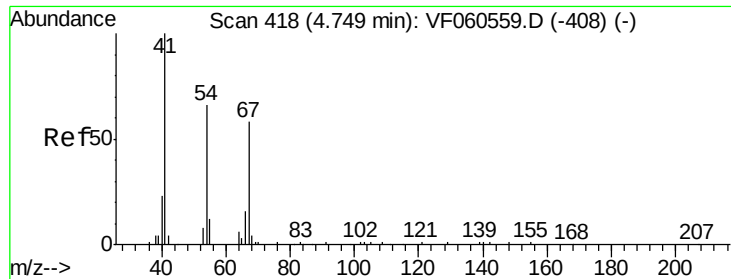
Tgt Ion: 83 Resp: 98241
Ion Ratio Lower Upper
83 100
55 96.9 69.1 103.7
98 49.2 38.6 57.8



#40
Benzene
Concen: 19.067 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 78 Resp: 185222
Ion Ratio Lower Upper
78 100
77 25.7 19.3 28.9

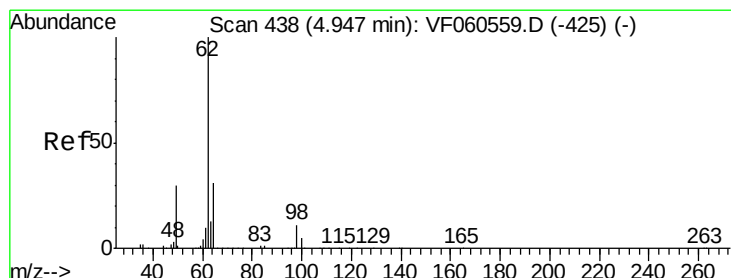
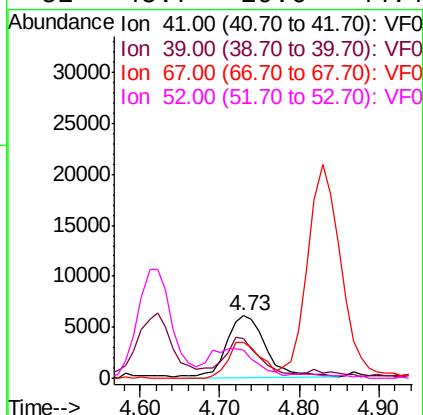
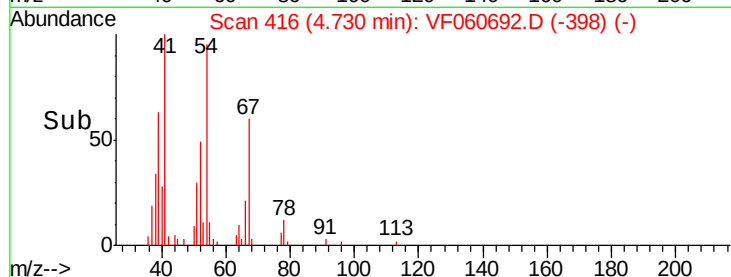
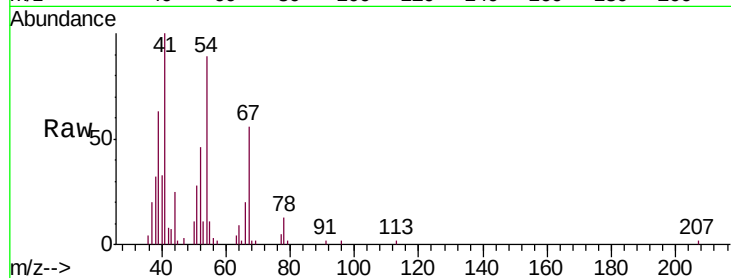




#41
Methacrylonitrile
Concen: 18.692 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

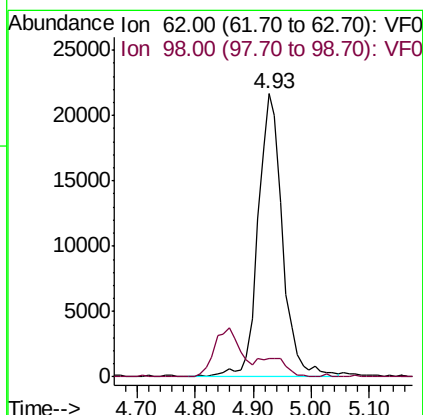
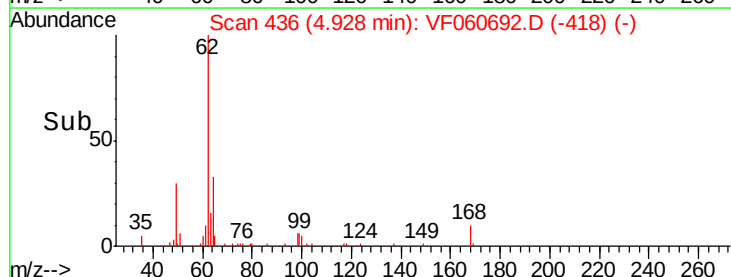
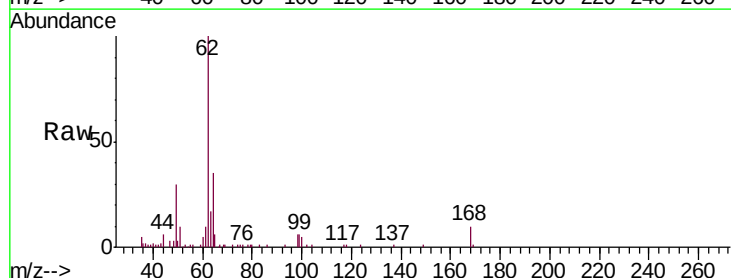
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

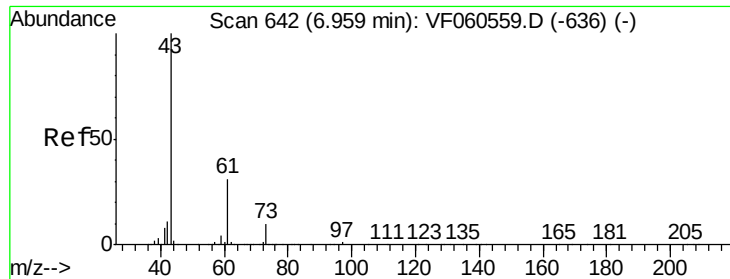
Tgt Ion:	41	Resp:	20335
Ion	Ratio	Lower	Upper
41	100		
39	63.3	45.6	68.4
67	56.4	45.3	67.9
52	45.7	29.6	44.4#



#42
1,2-Dichloroethane
Concen: 23.070 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion:	62	Resp:	64321
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	22.4





#43

Isopropyl Acetate

Concen: 18.977 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

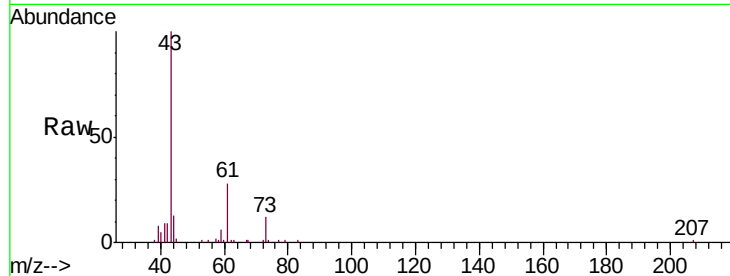
Tgt Ion: 43 Resp: 46113

Ion Ratio Lower Upper

43 100

61 27.8 24.2 36.2

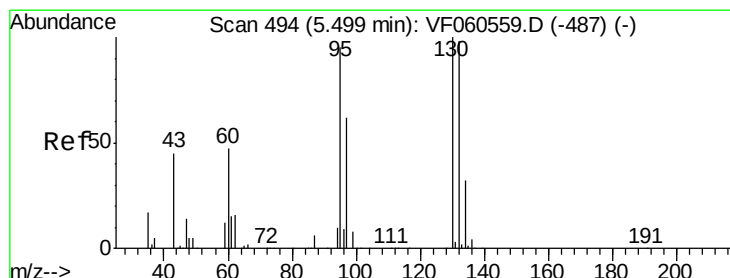
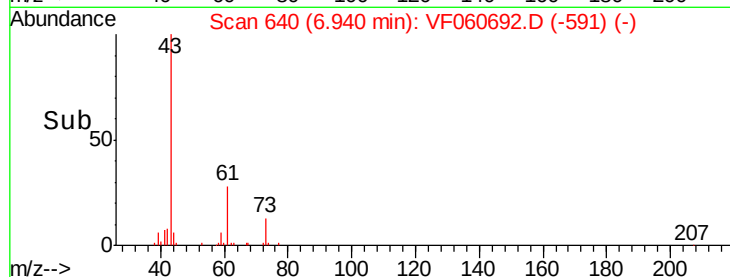
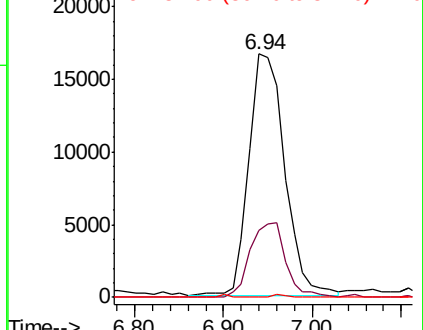
87 0.0 0.2 0.4#



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: 21.147 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF060692.D

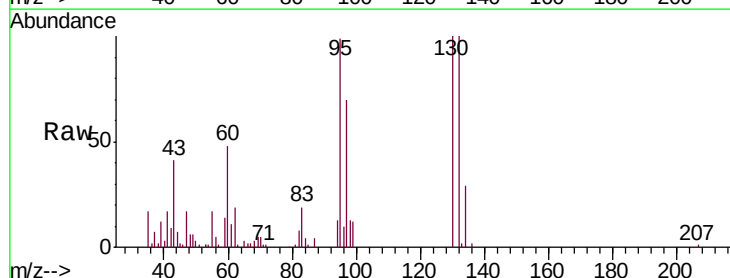
Acq: 12 Nov 2018 18:34

Tgt Ion: 130 Resp: 61737

Ion Ratio Lower Upper

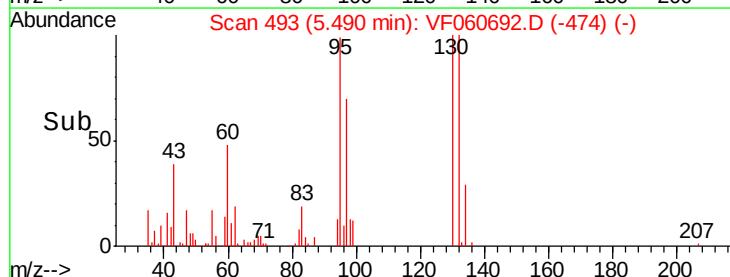
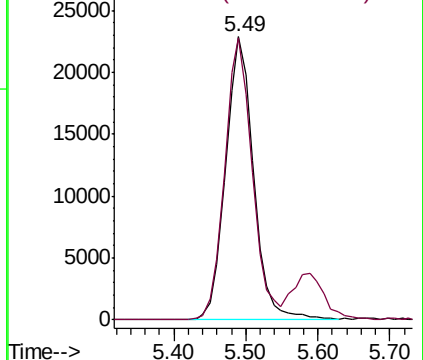
130 100

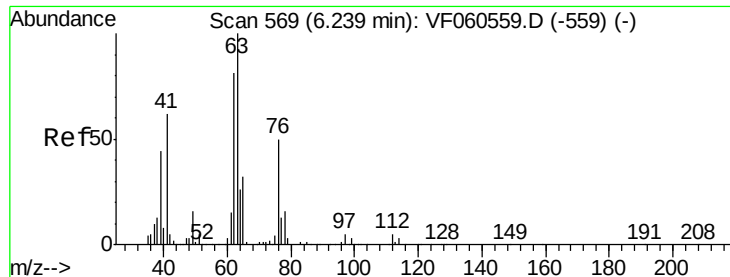
95 99.7 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.655 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

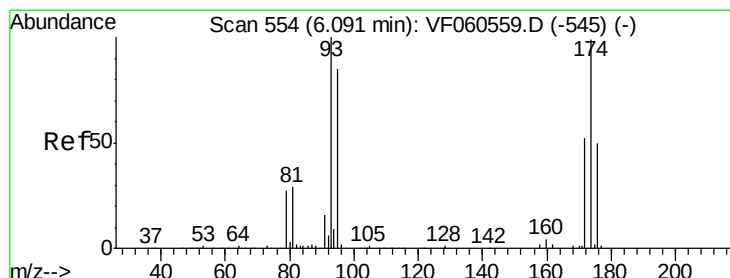
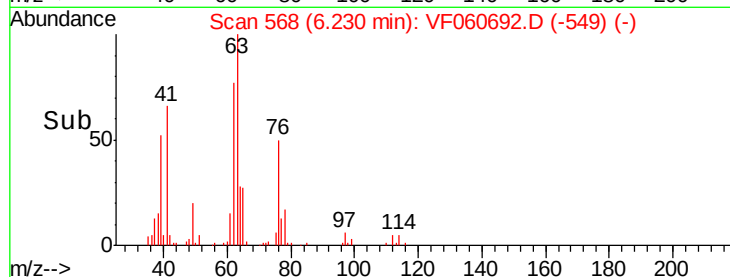
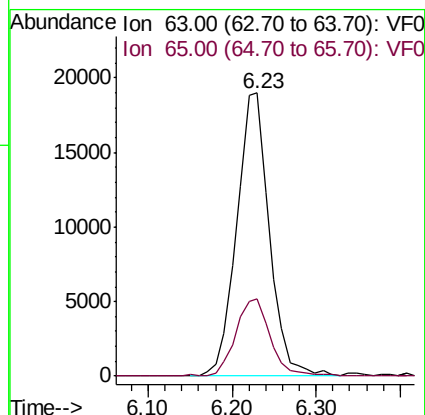
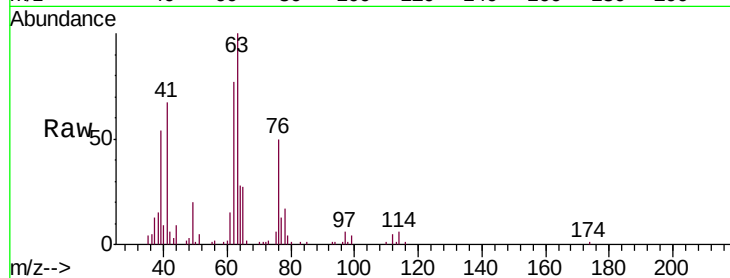
VF1112SBSD01

Tgt Ion: 63 Resp: 51316

Ion Ratio Lower Upper

63 100

65 27.3 25.4 38.0



#46

Dibromomethane

Concen: 19.962 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

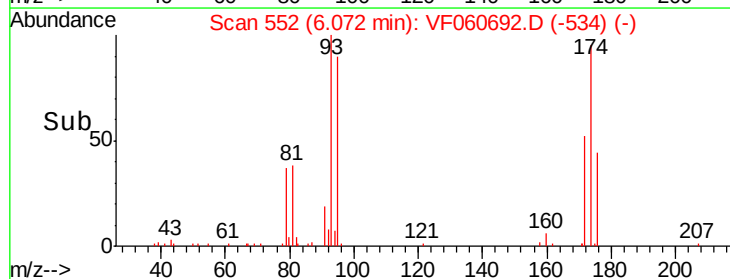
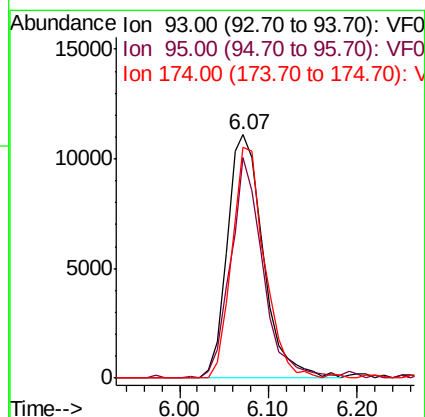
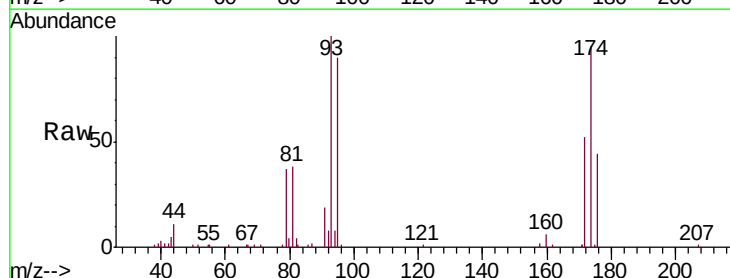
Tgt Ion: 93 Resp: 31463

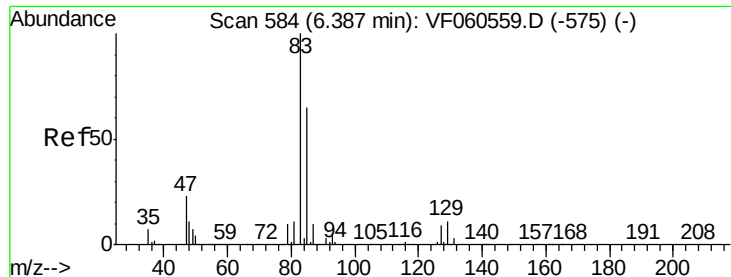
Ion Ratio Lower Upper

93 100

95 90.5 68.6 102.8

174 95.9 79.0 118.4





#47

Bromodichloromethane

Concen: 22.403 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

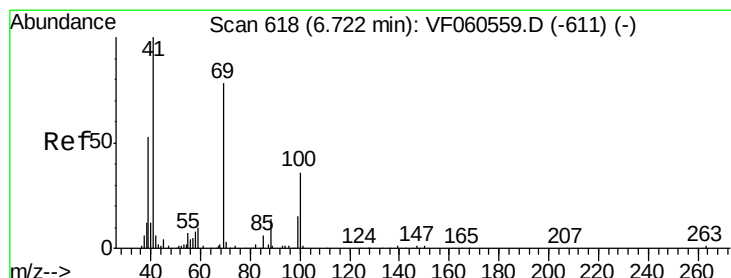
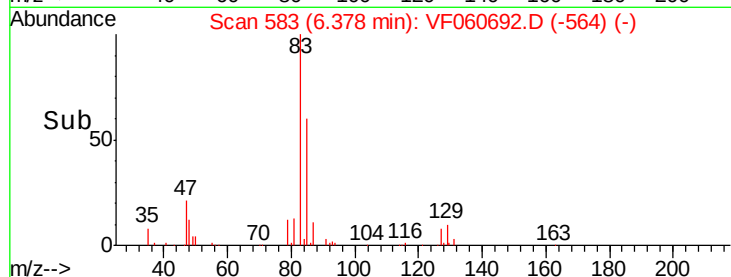
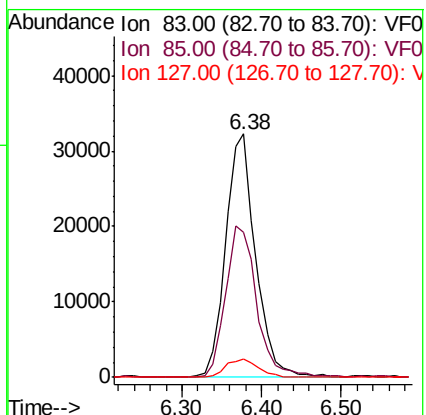
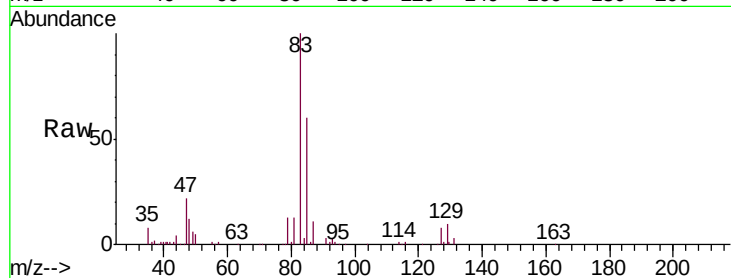
Tgt Ion: 83 Resp: 85168

Ion Ratio Lower Upper

83 100

85 59.7 51.8 77.6

127 7.6 7.0 10.4



#48

Methyl methacrylate

Concen: 17.953 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

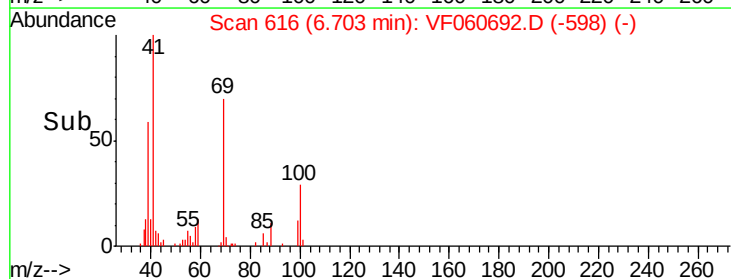
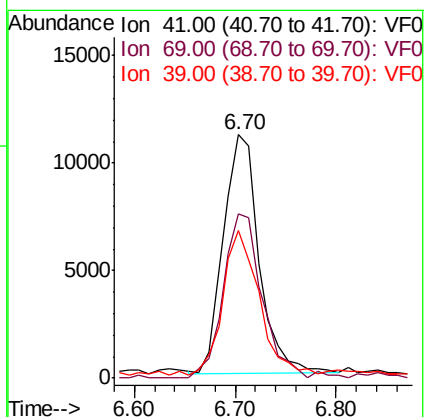
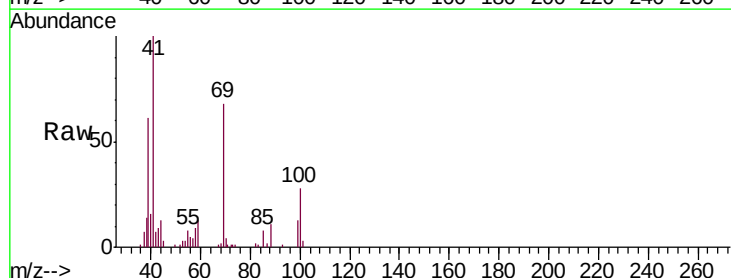
Tgt Ion: 41 Resp: 27419

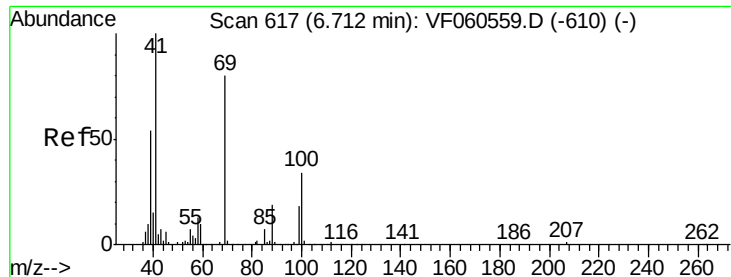
Ion Ratio Lower Upper

41 100

69 67.7 61.1 91.7

39 60.7 43.0 64.6





#49

1,4-Dioxane

Concen: 323.919 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

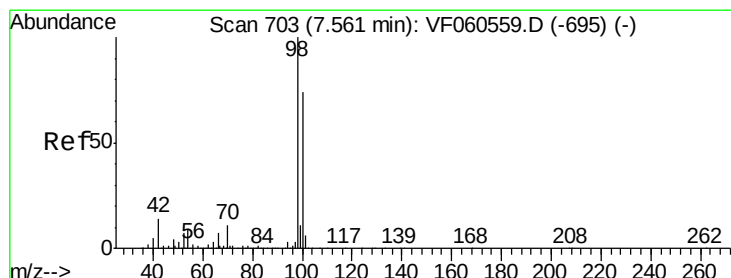
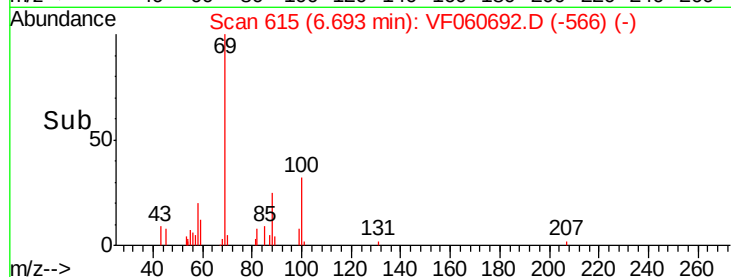
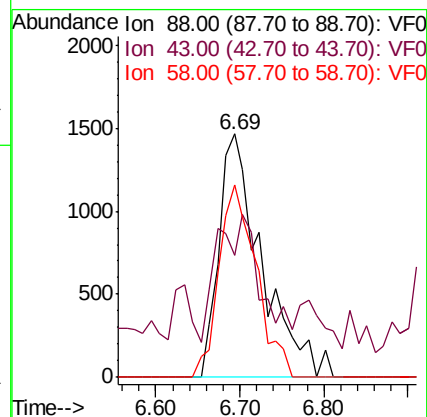
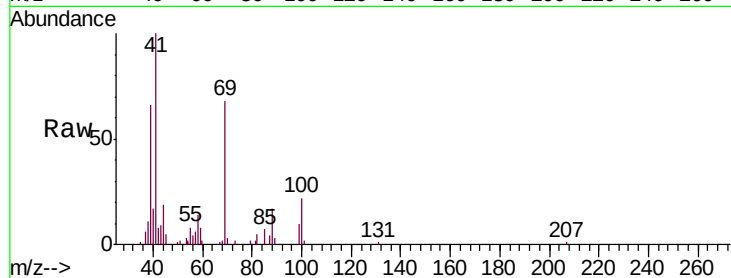
Tgt Ion: 88 Resp: 5175

Ion Ratio Lower Upper

88 100

43 50.1 61.2 91.8#

58 78.9 56.9 85.3



#50

Toluene-d8

Concen: 48.960 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060692.D

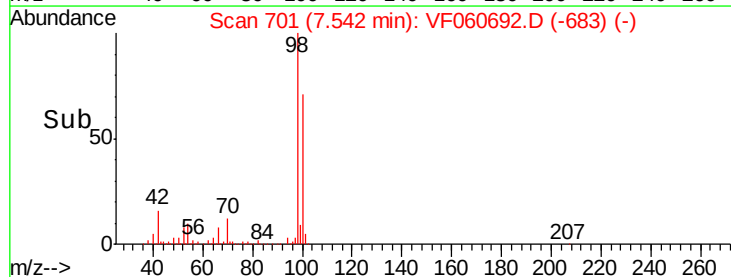
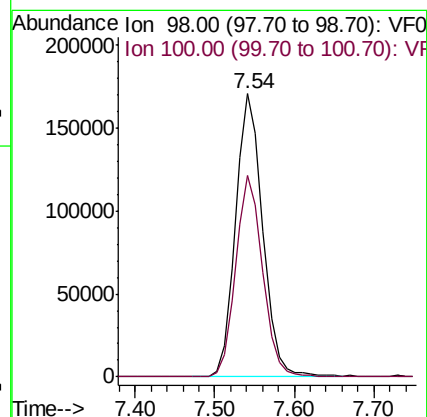
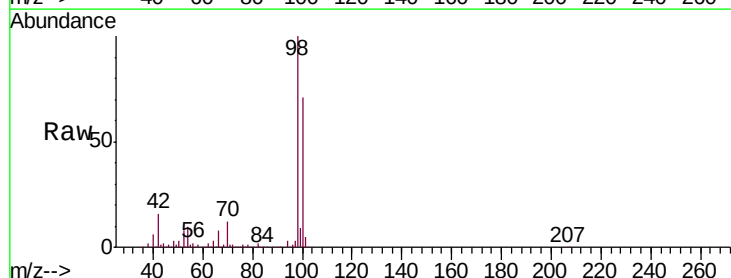
Acq: 12 Nov 2018 18:34

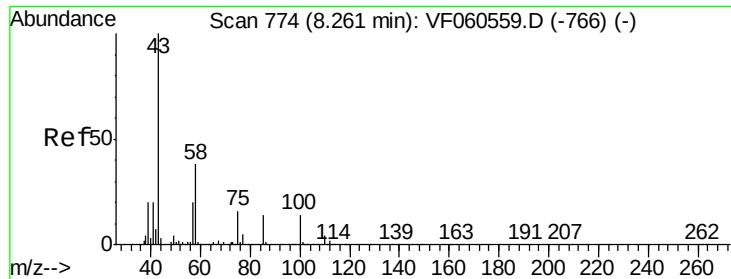
Tgt Ion: 98 Resp: 407268

Ion Ratio Lower Upper

98 100

100 71.2 59.4 89.2

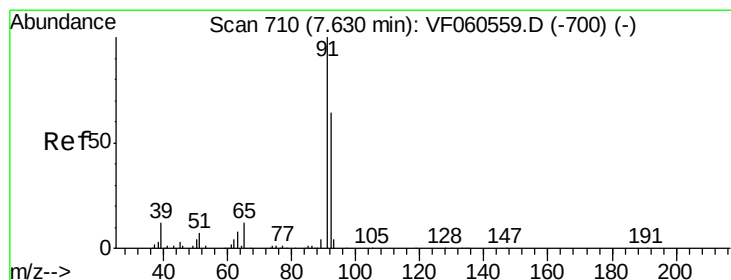
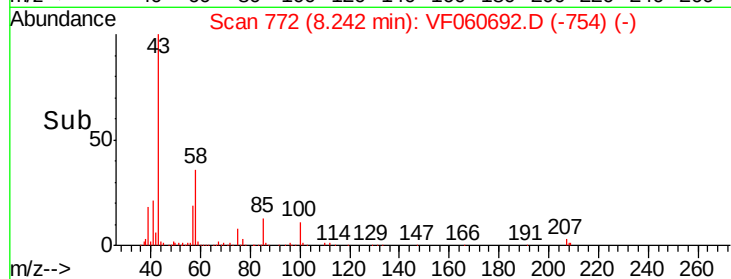
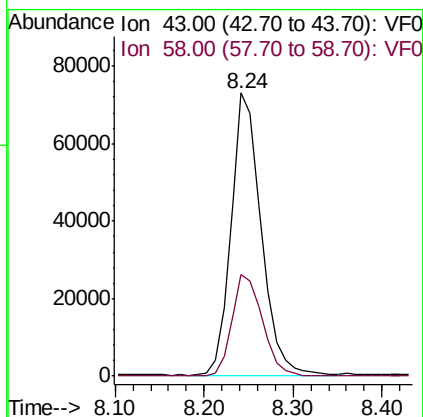
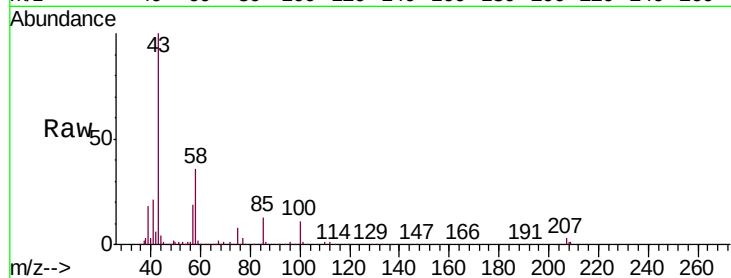




#51
 4-Methyl-2-Pentanone
 Concen: 106.905 ug/l
 RT: 8.24 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

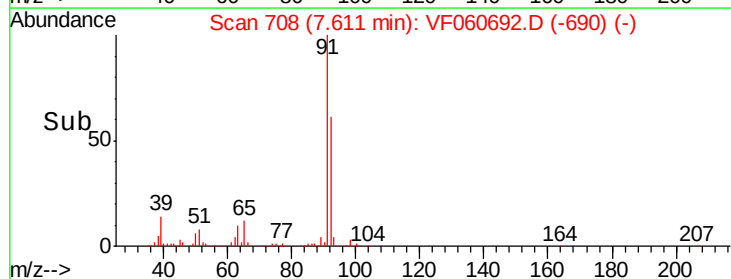
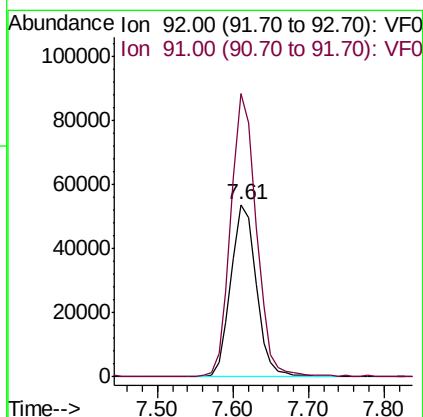
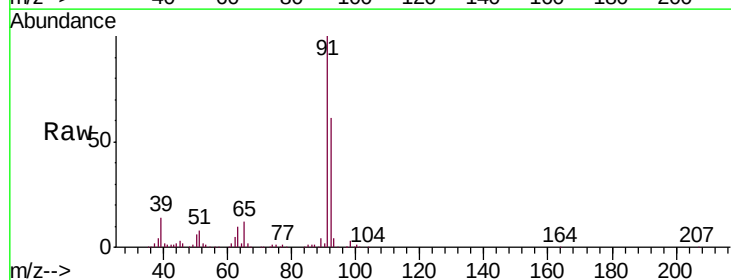
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

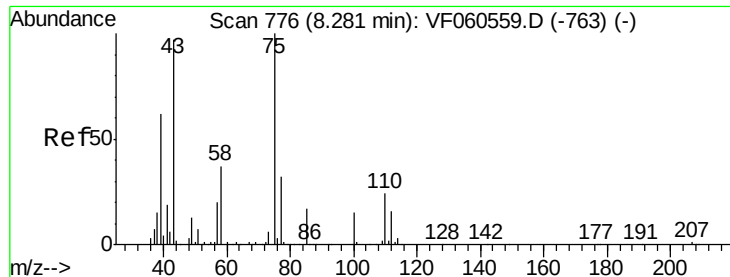
Tgt Ion: 43 Resp: 174693
 Ion Ratio Lower Upper
 43 100
 58 35.7 30.1 45.1



#52
 Toluene
 Concen: 19.842 ug/l
 RT: 7.61 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion: 92 Resp: 125560
 Ion Ratio Lower Upper
 92 100
 91 164.2 124.5 186.7

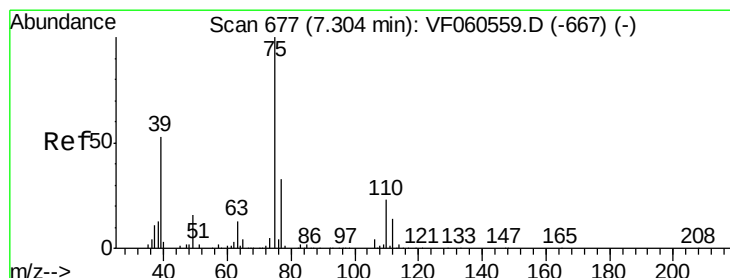
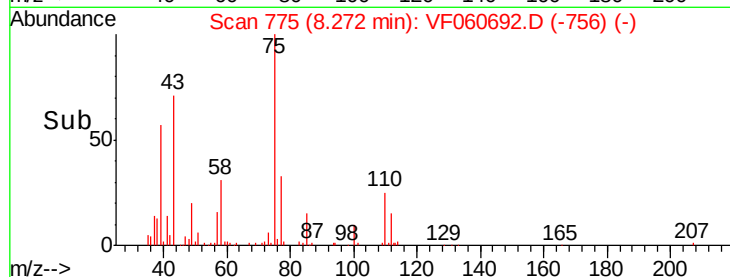
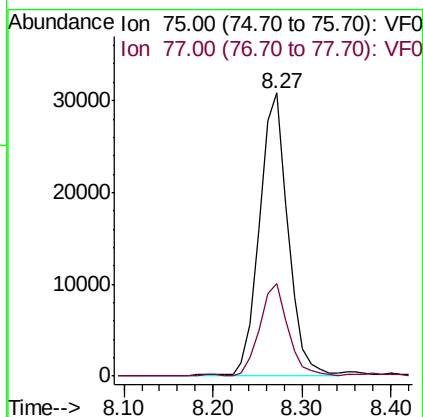
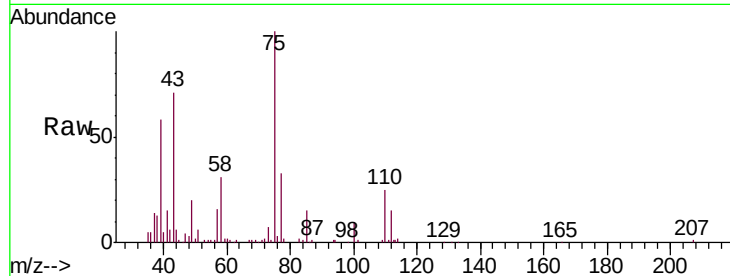




#53
 t-1,3-Dichloropropene
 Concen: 20.729 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

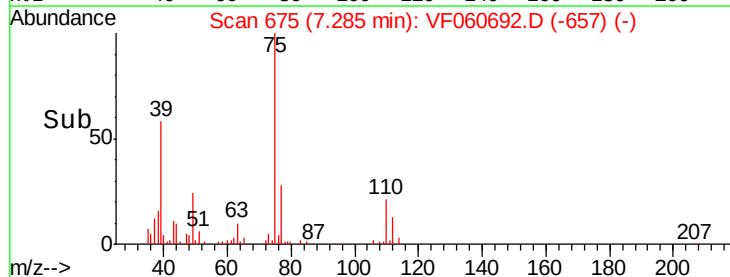
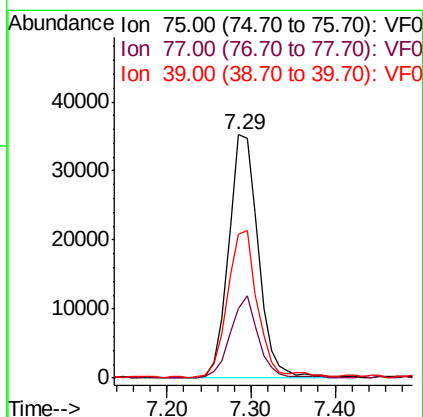
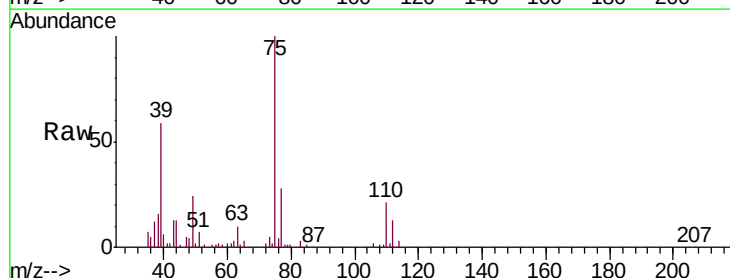
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

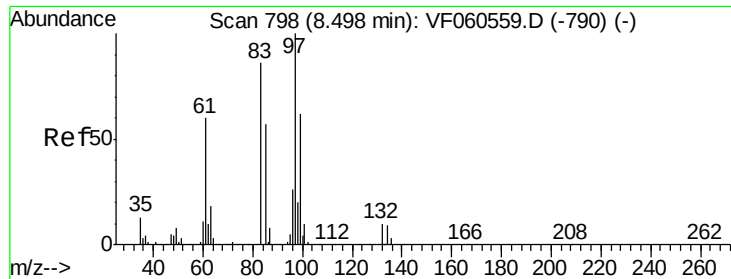
Tgt Ion: 75 Resp: 68491
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 20.662 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion: 75 Resp: 86259
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.7 40.1
 39 59.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.722 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tgt Ion: 97 Resp: 36316

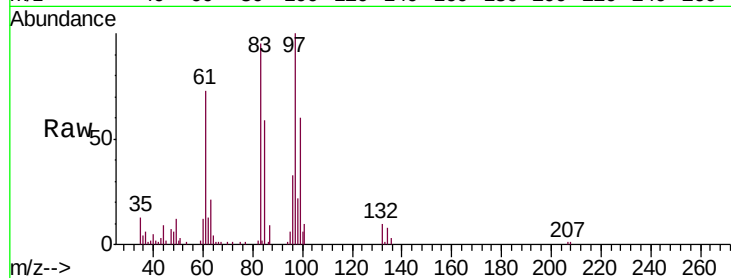
Ion Ratio Lower Upper

97 100

83 95.3 69.4 104.0

85 59.0 46.6 69.8

99 60.3 50.0 75.0

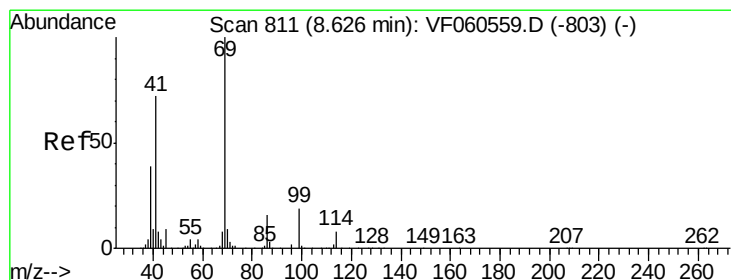
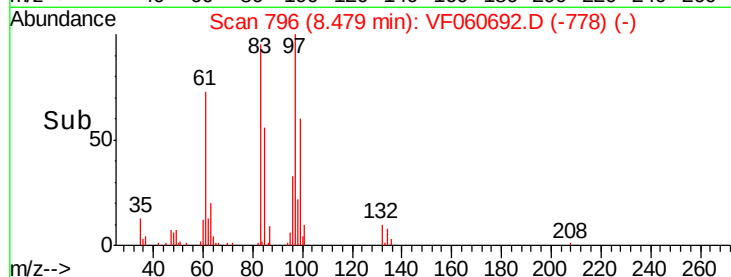
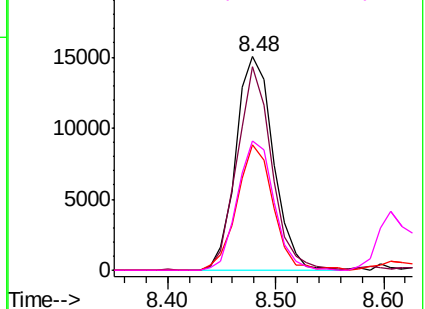


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.098 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

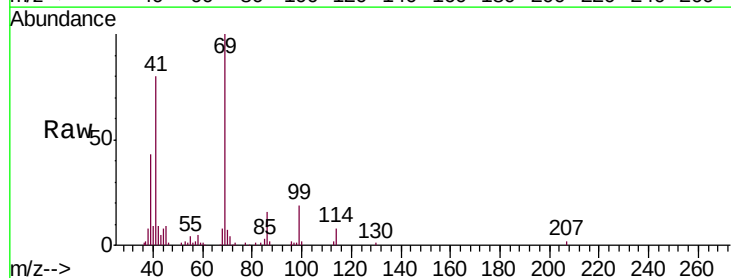
Tgt Ion: 69 Resp: 49984

Ion Ratio Lower Upper

69 100

41 80.5 59.2 88.8

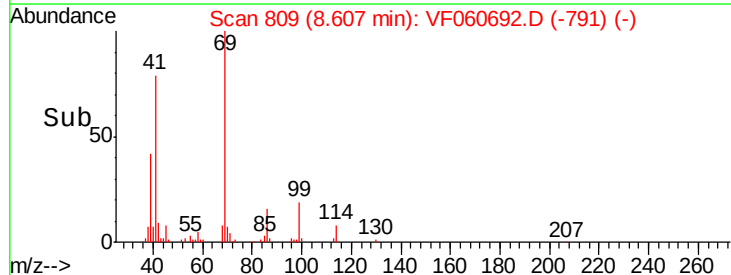
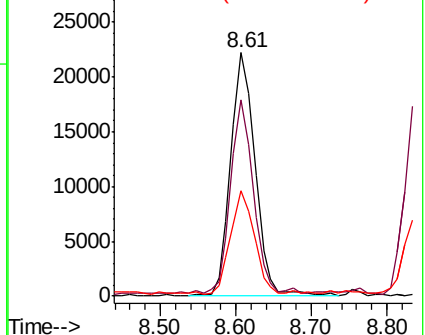
39 43.4 32.3 48.5

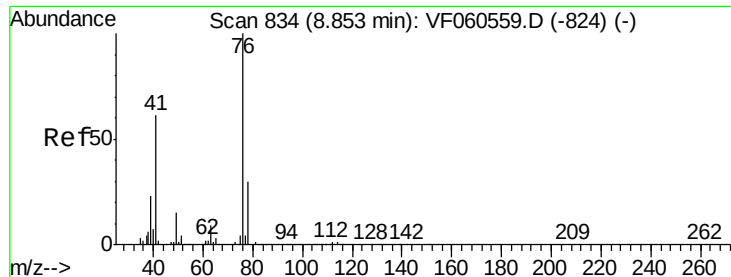


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

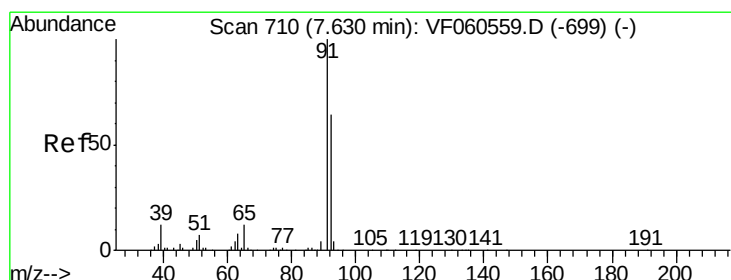
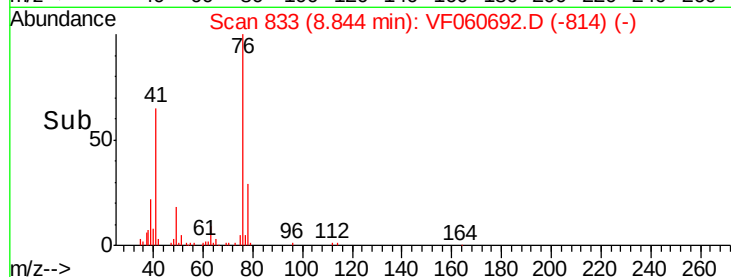
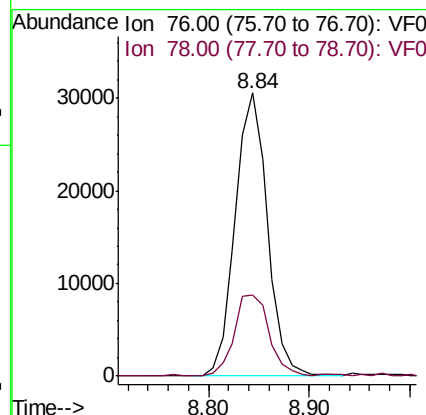
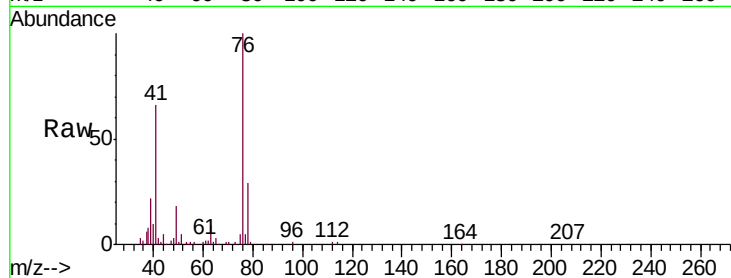




#57
 1,3-Dichloropropane
 Concen: 21.071 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

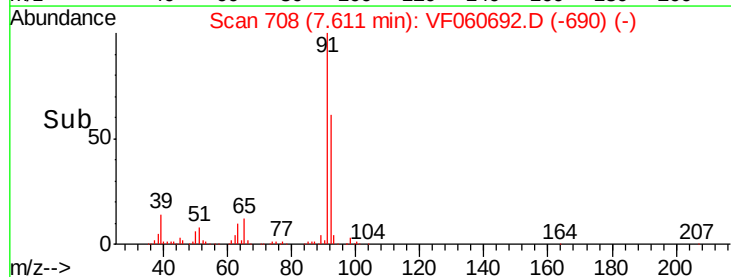
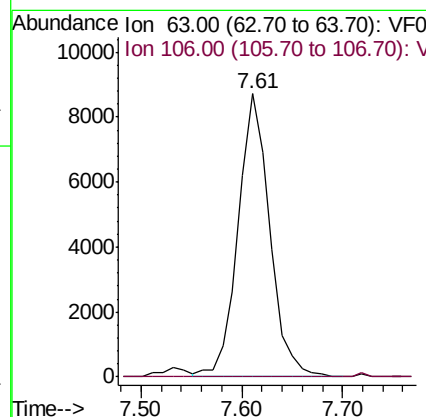
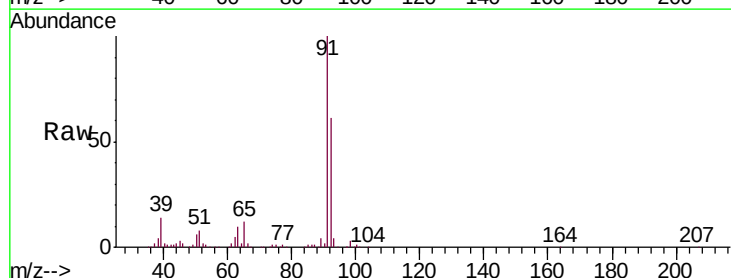
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

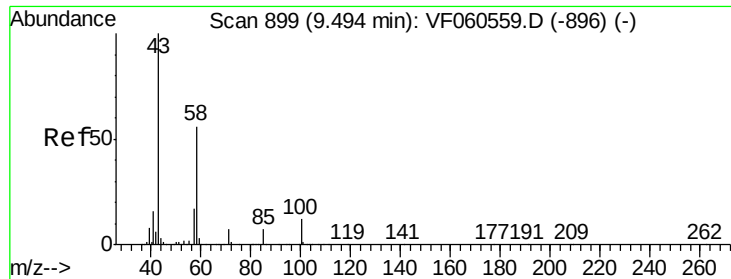
Tgt Ion: 76 Resp: 68080
 Ion Ratio Lower Upper
 76 100
 78 28.5 24.2 36.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.433 ug/l
 RT: 7.61 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion: 63 Resp: 19056
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

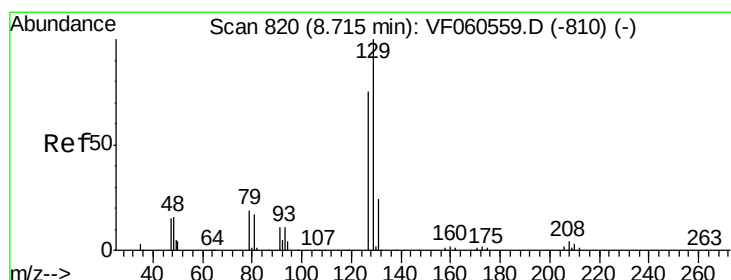
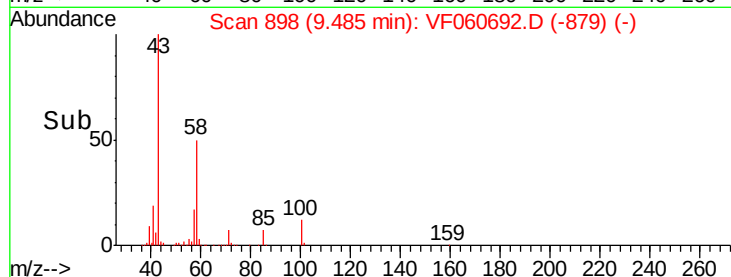
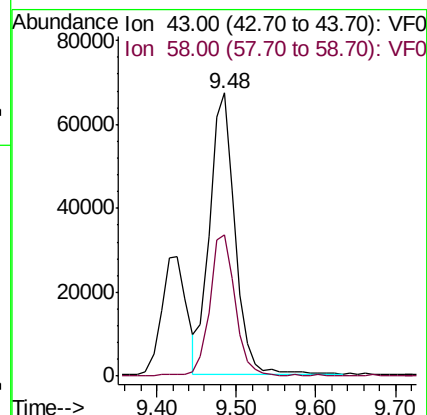
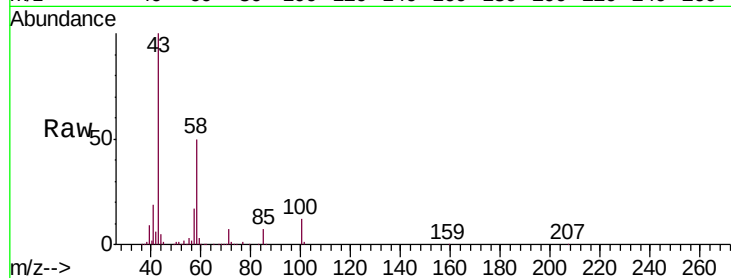




#59
2-Hexanone
Concen: 124.531 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

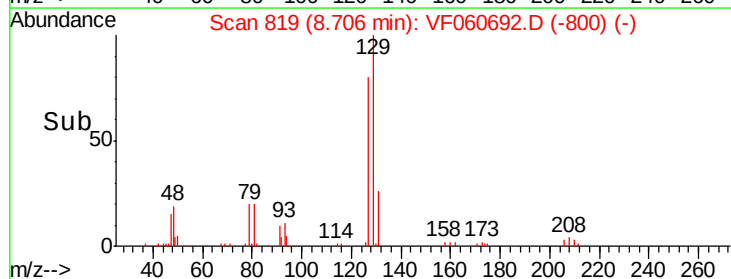
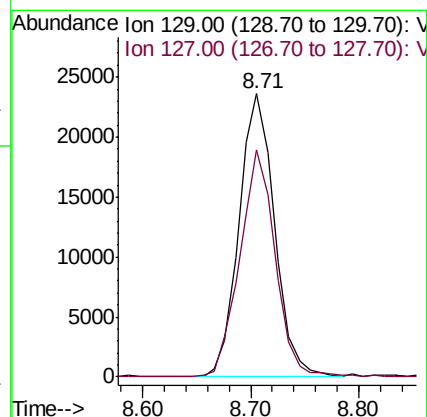
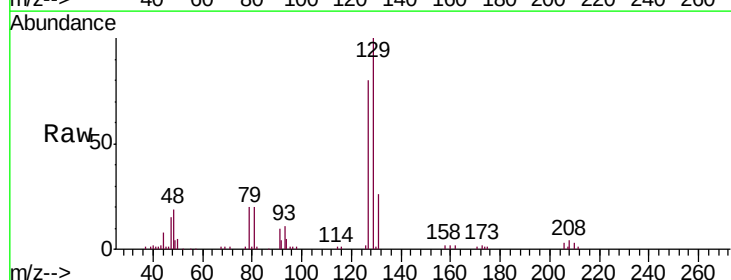
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

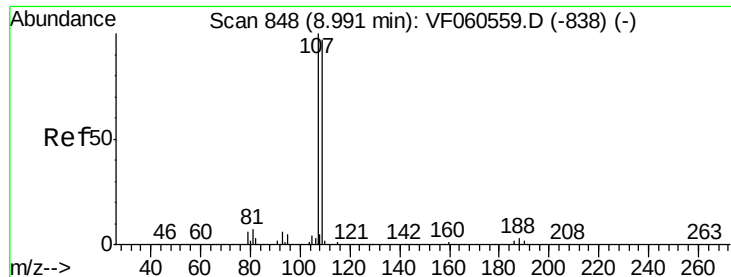
Tgt Ion: 43 Resp: 148648
Ion Ratio Lower Upper
43 100
58 49.8 26.1 78.3



#60
Dibromochloromethane
Concen: 20.923 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 129 Resp: 53882
Ion Ratio Lower Upper
129 100
127 80.1 37.8 113.3





#61

1,2-Dibromoethane

Concen: 20.310 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

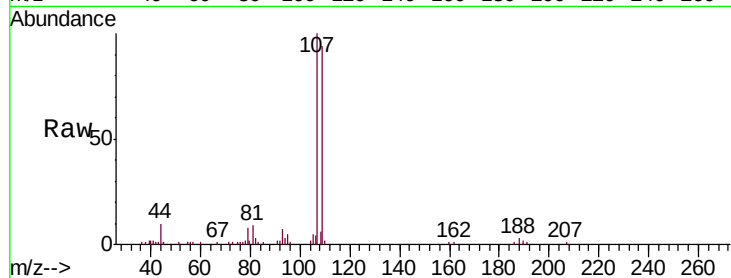
VF1112SBSD01

Tgt Ion: 107 Resp: 39329

Ion Ratio Lower Upper

107 100

109 93.6 77.5 116.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

15000

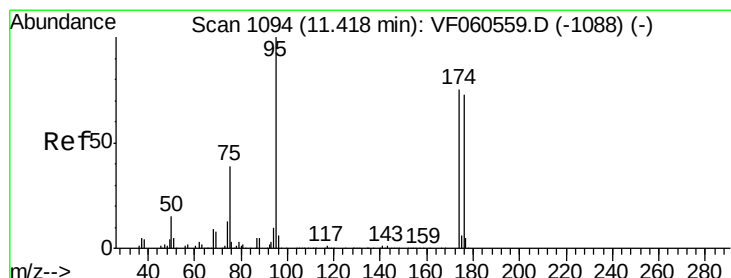
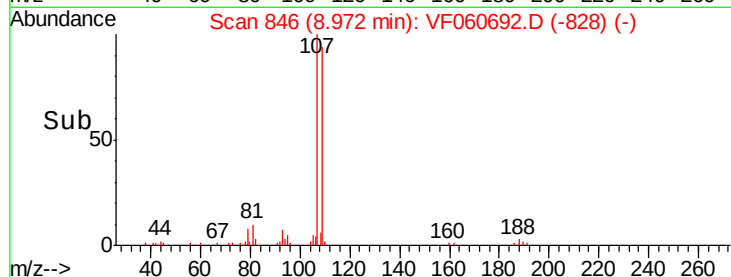
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 55.509 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

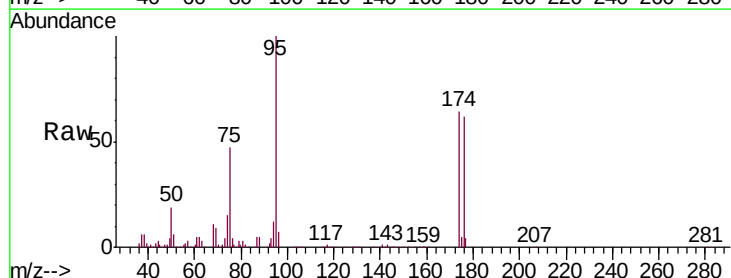
Tgt Ion: 95 Resp: 201974

Ion Ratio Lower Upper

95 100

174 64.1 0.0 149.0

176 62.2 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

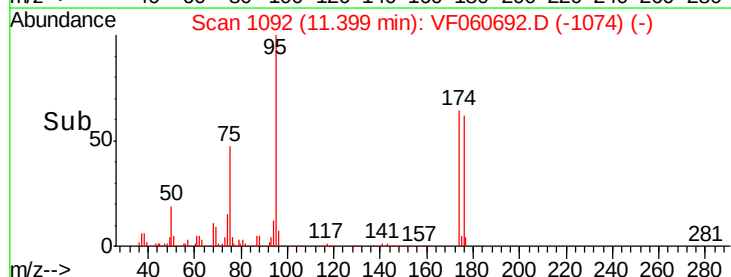
100000

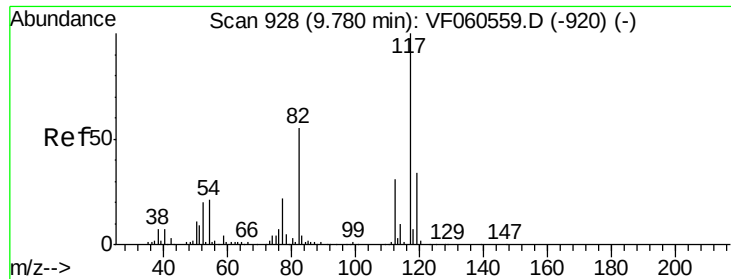
50000

0

Time-->

11.30 11.40 11.50 11.60

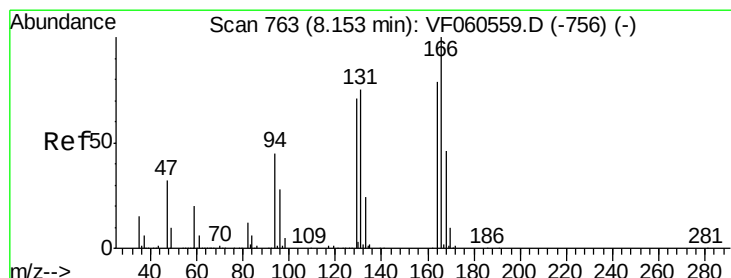
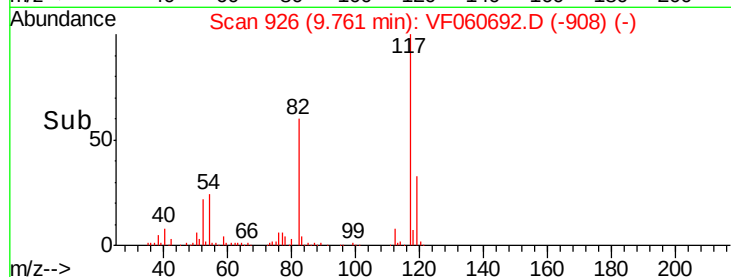
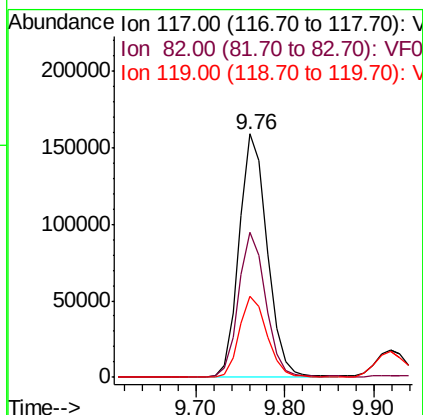
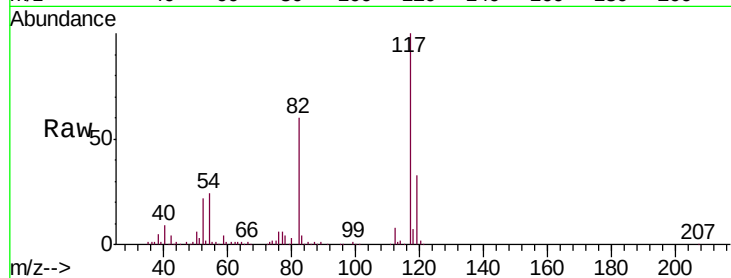




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

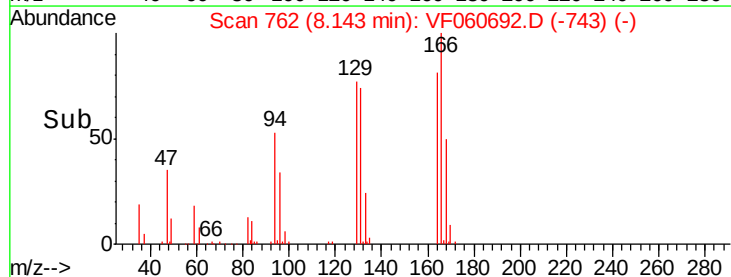
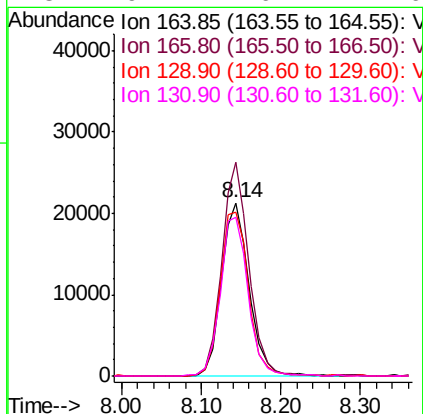
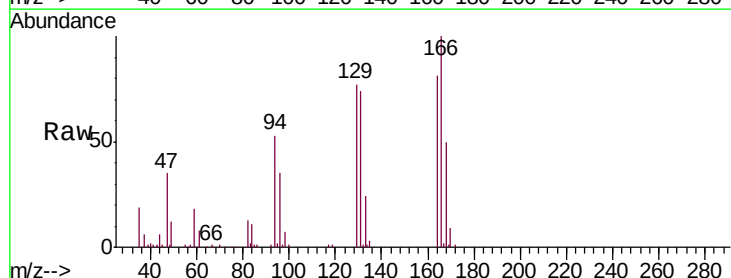
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

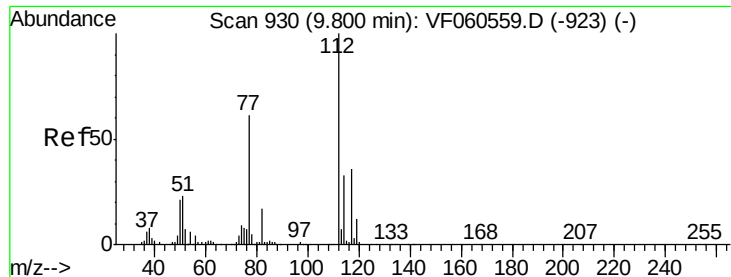
Tgt Ion:117 Resp: 349368
Ion Ratio Lower Upper
117 100
82 59.6 43.9 65.9
119 33.4 27.4 41.0



#64
Tetrachloroethene
Concen: 18.918 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion:164 Resp: 51799
Ion Ratio Lower Upper
164 100
166 123.2 101.5 152.3
129 94.3 72.5 108.7
131 91.7 76.4 114.6

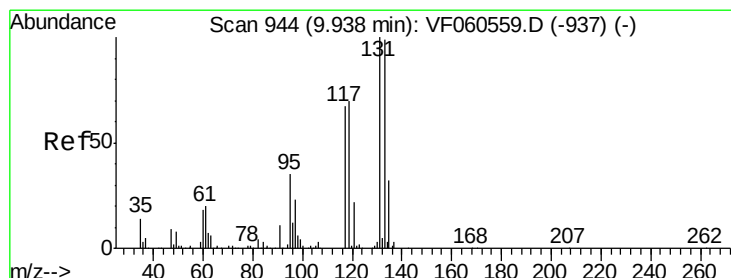
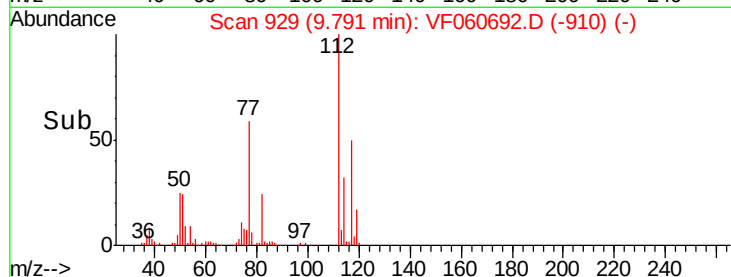
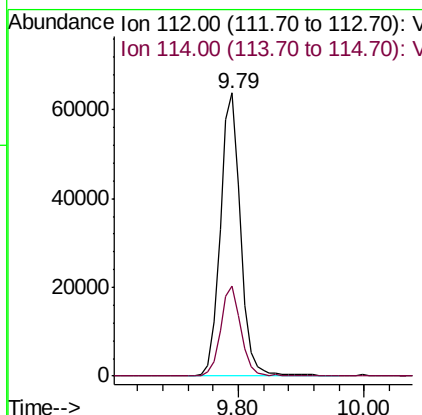
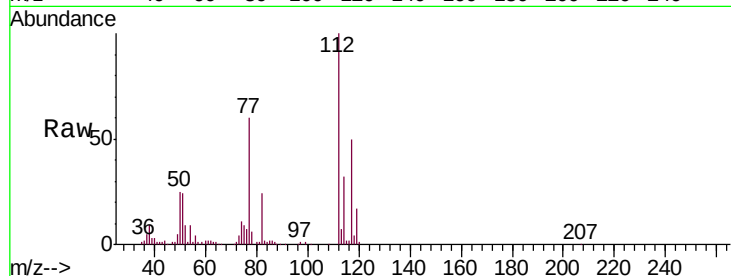




#65
Chlorobenzene
Concen: 20.025 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

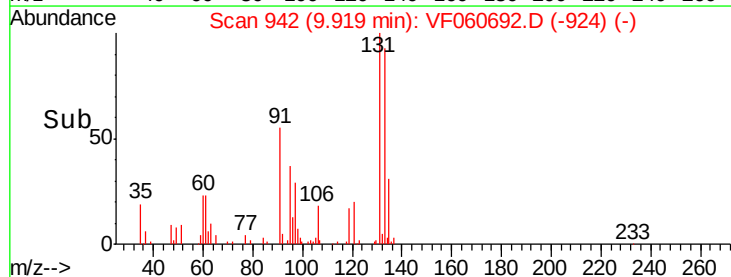
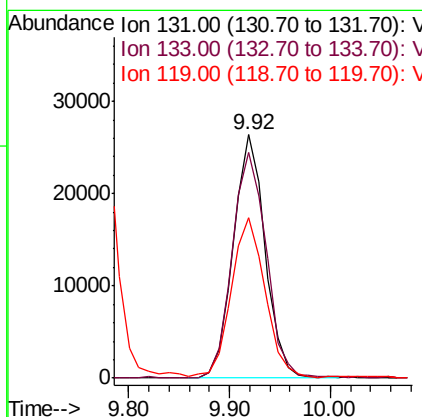
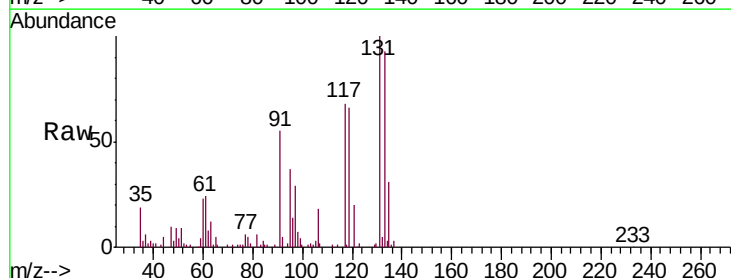
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

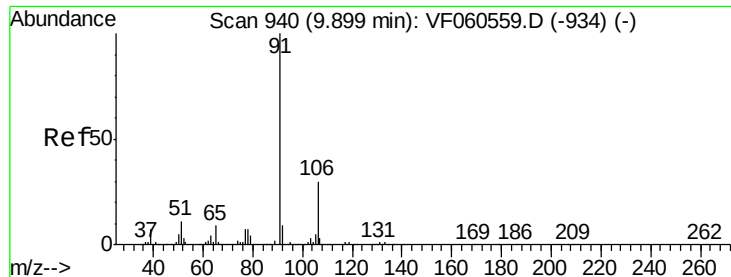
Tgt Ion:112 Resp: 143073
Ion Ratio Lower Upper
112 100
114 31.7 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.171 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion:131 Resp: 57875
Ion Ratio Lower Upper
131 100
133 92.9 49.5 148.7
119 65.8 35.2 105.6





#67

Ethyl Benzene

Concen: 19.961 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

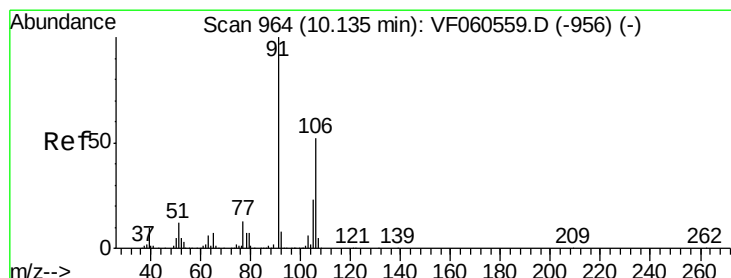
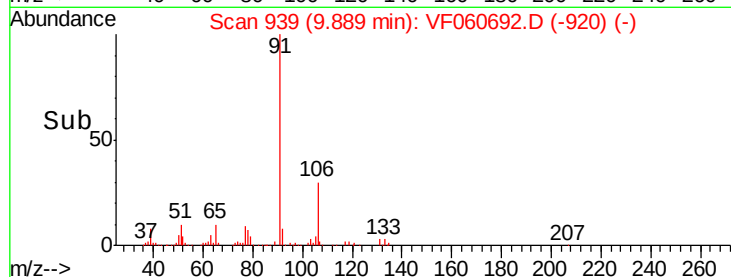
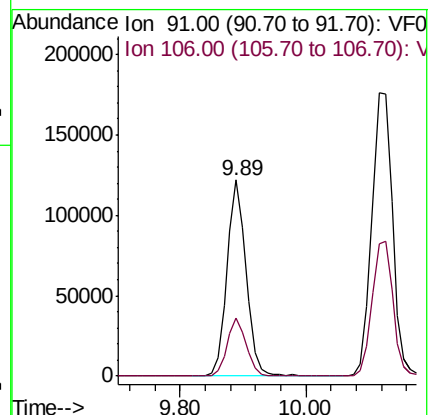
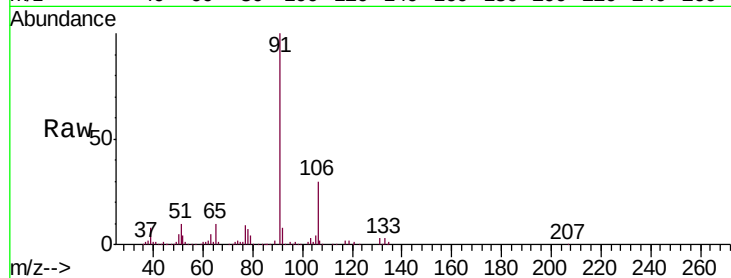
VF1112SBSD01

Tgt Ion: 91 Resp: 258800

Ion Ratio Lower Upper

91 100

106 29.5 24.2 36.4



#68

m/p-Xylenes

Concen: 39.501 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF060692.D

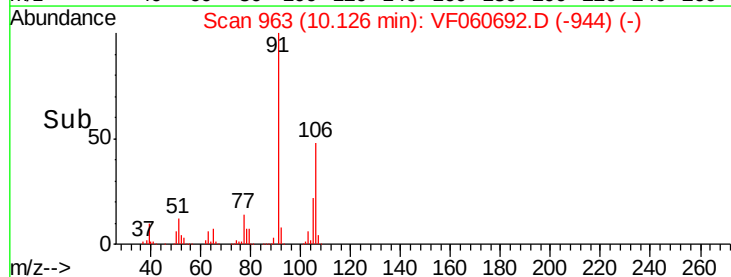
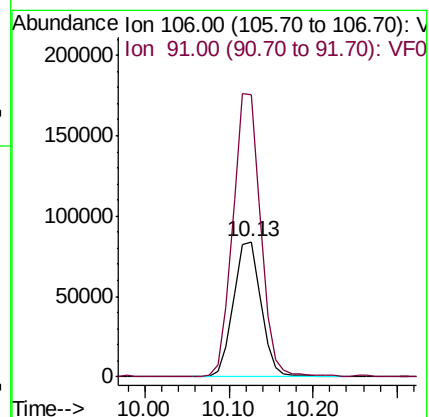
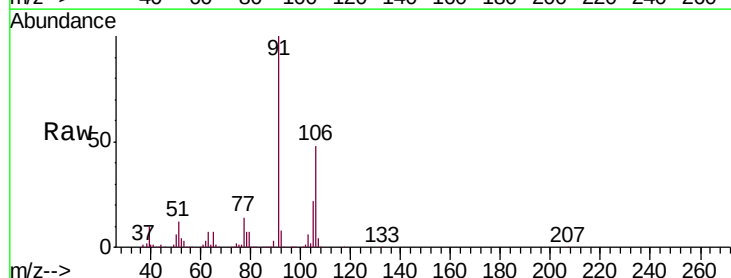
Acq: 12 Nov 2018 18:34

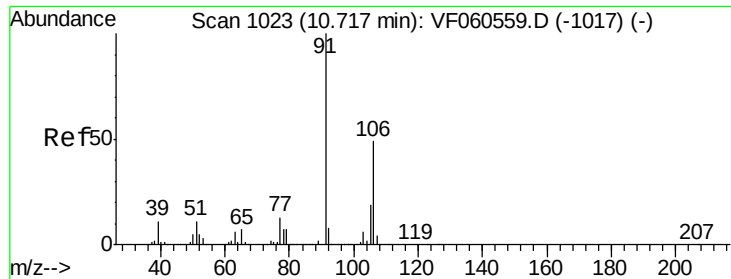
Tgt Ion: 106 Resp: 192917

Ion Ratio Lower Upper

106 100

91 208.6 153.9 230.9

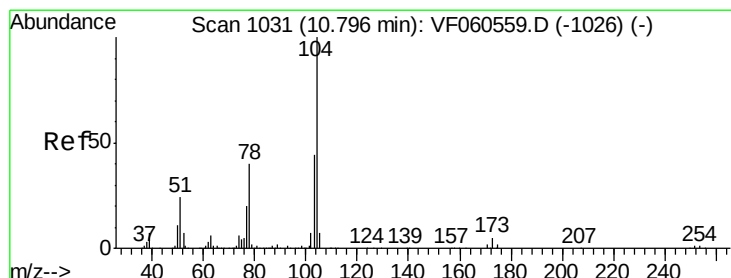
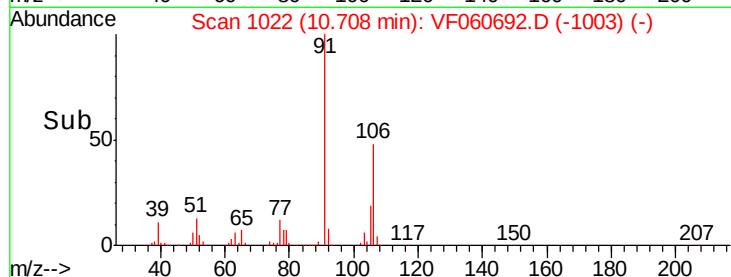
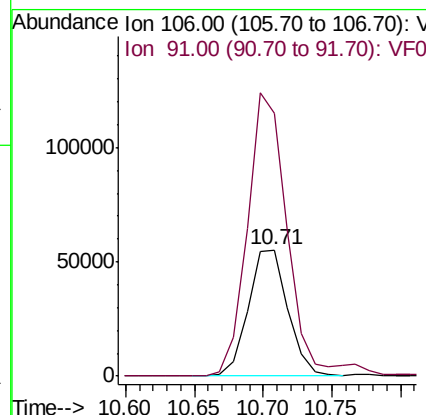
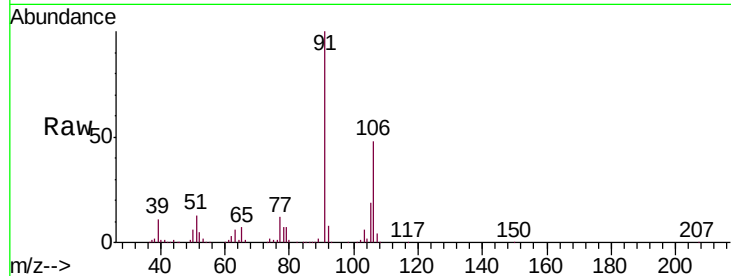




#69
o-Xylene
Concen: 20.835 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

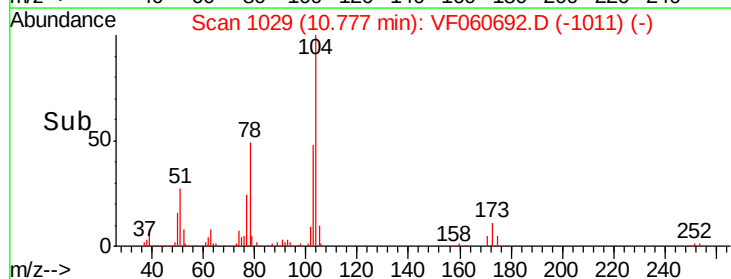
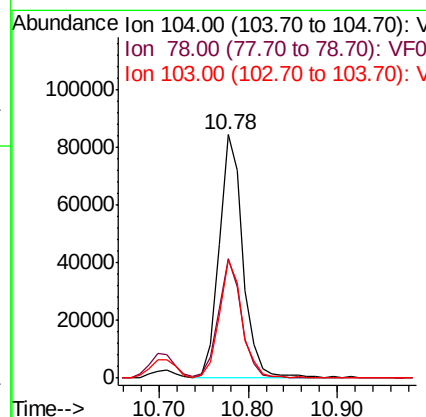
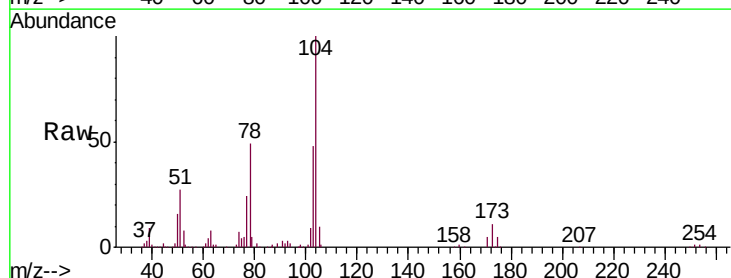
Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

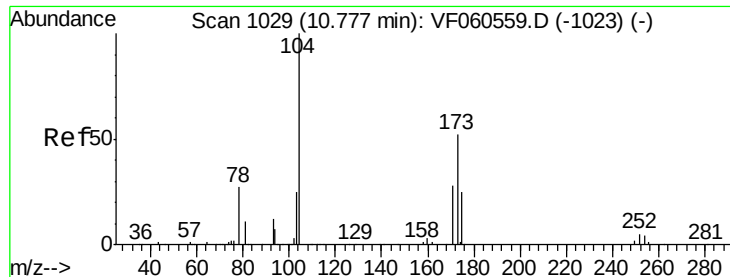
Tgt Ion:106 Resp: 111110
Ion Ratio Lower Upper
106 100
91 208.5 101.8 305.3



#70
Styrene
Concen: 20.415 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion:104 Resp: 157721
Ion Ratio Lower Upper
104 100
78 49.1 32.6 49.0#
103 48.5 35.2 52.8





#71

Bromoform

Concen: 19.253 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

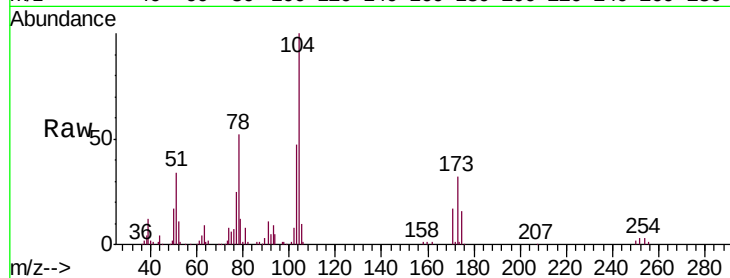
Tgt Ion:173 Resp: 30018

Ion Ratio Lower Upper

173 100

175 50.3 24.3 72.9

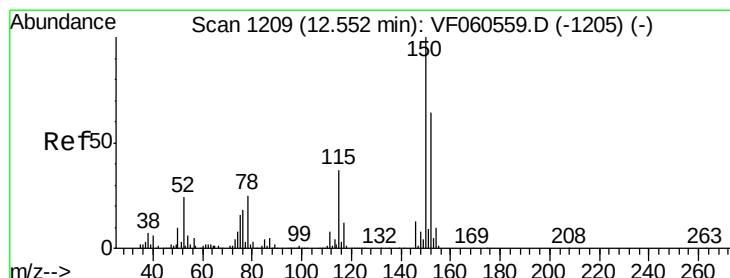
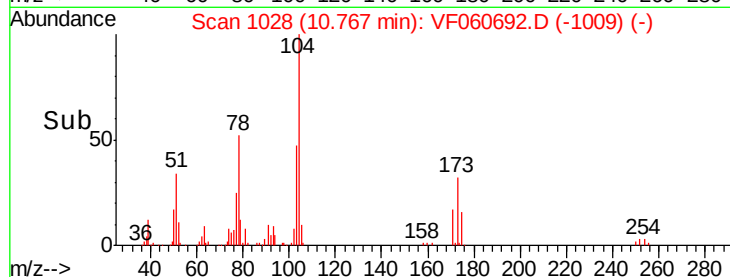
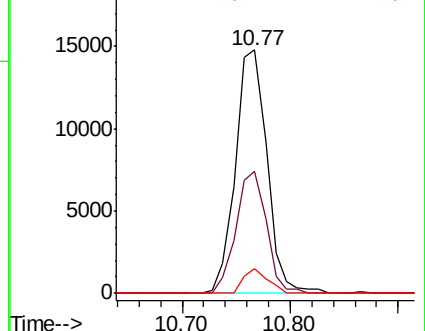
254 10.3 6.7 10.1#



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: VF060692.D

Acq: 12 Nov 2018 18:34

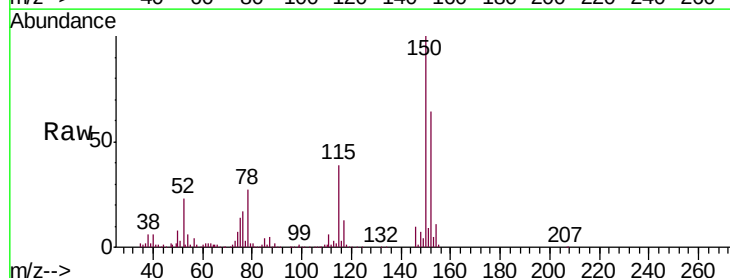
Tgt Ion:152 Resp: 183633

Ion Ratio Lower Upper

152 100

115 60.7 29.6 88.8

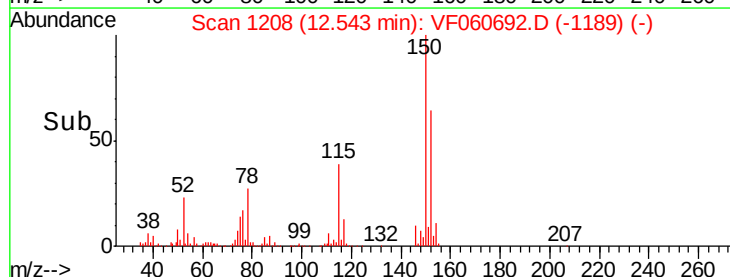
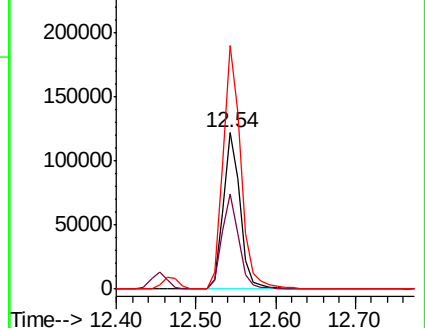
150 156.1 0.0 315.6

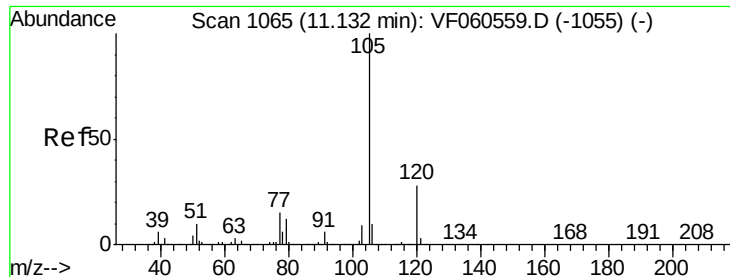


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.998 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

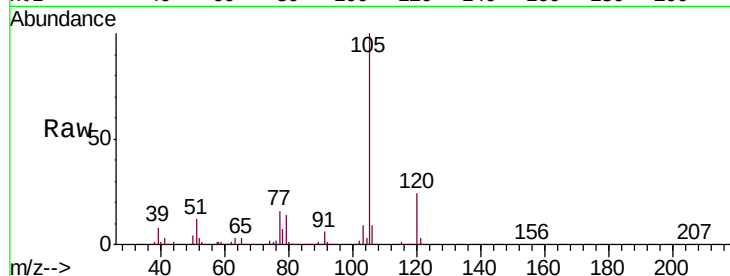
VF1112SBS01

Tgt Ion:105 Resp: 329364

Ion Ratio Lower Upper

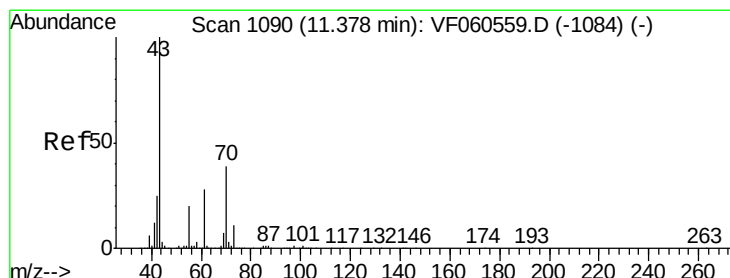
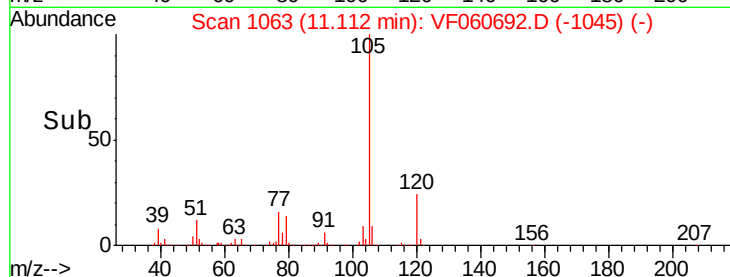
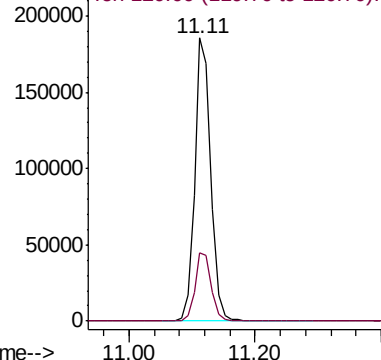
105 100

120 24.1 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.721 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion: 43 Resp: 89505

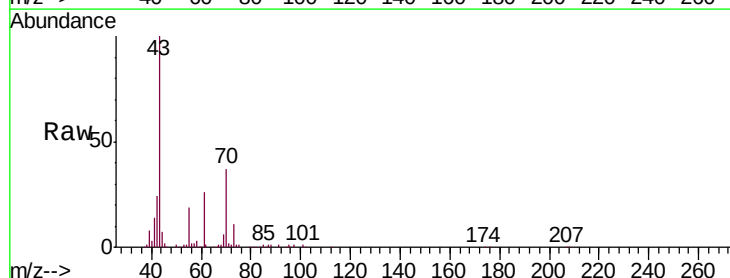
Ion Ratio Lower Upper

43 100

70 37.0 30.9 46.3

55 18.6 16.6 24.8

61 26.2 22.0 33.0

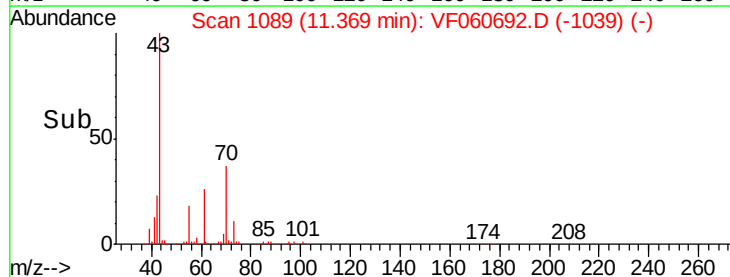
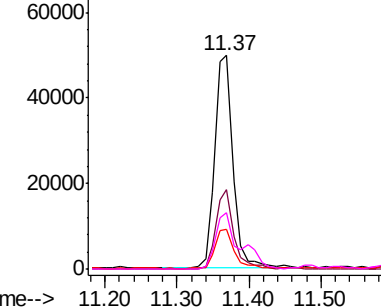


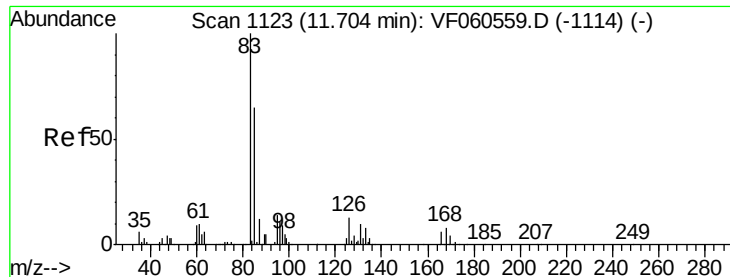
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.234 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

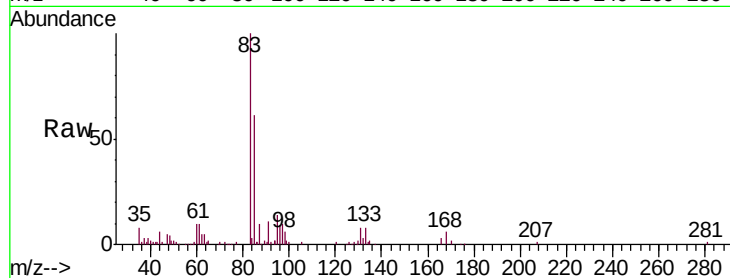
Tgt Ion: 83 Resp: 55505

Ion Ratio Lower Upper

83 100

131 7.6 5.0 14.9

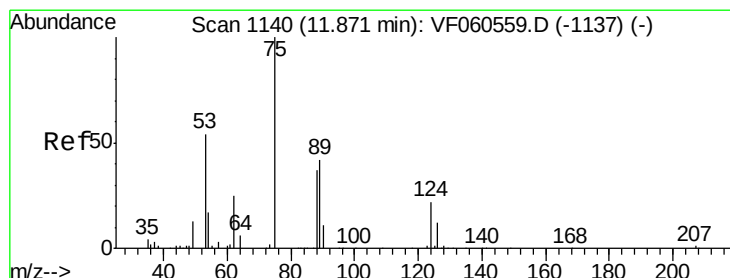
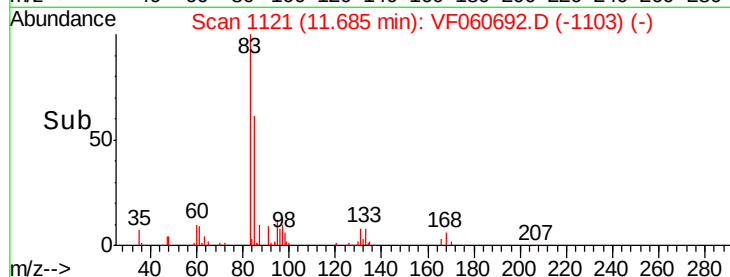
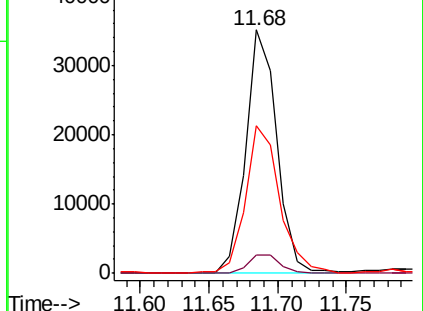
85 60.8 32.9 98.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.453 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060692.D

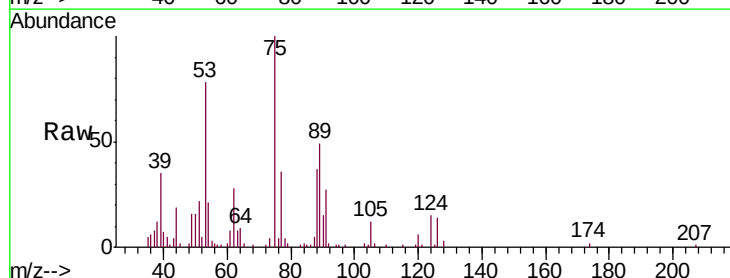
Acq: 12 Nov 2018 18:34

Tgt Ion: 75 Resp: 26275

Ion Ratio Lower Upper

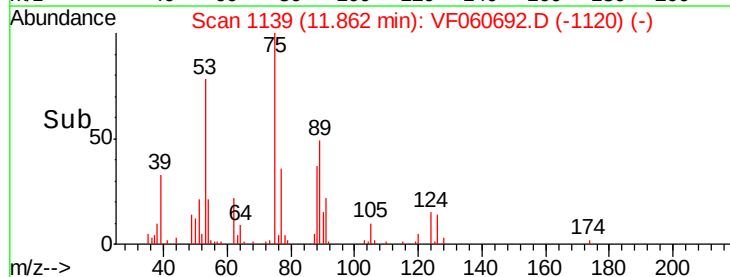
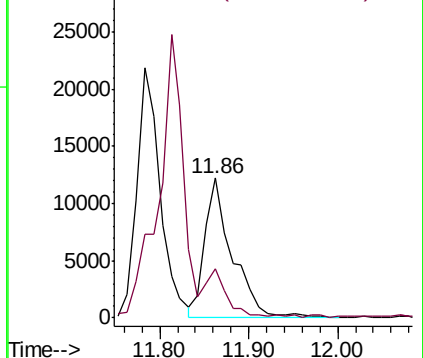
75 100

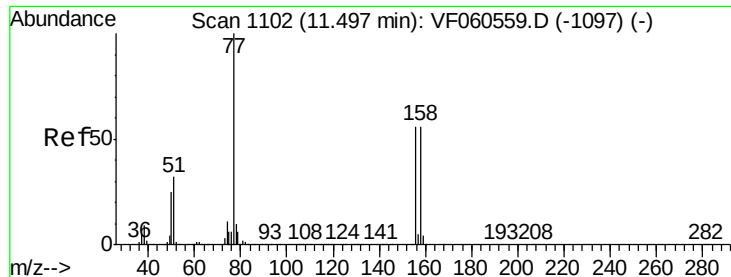
77 35.5 17.4 52.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.847 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

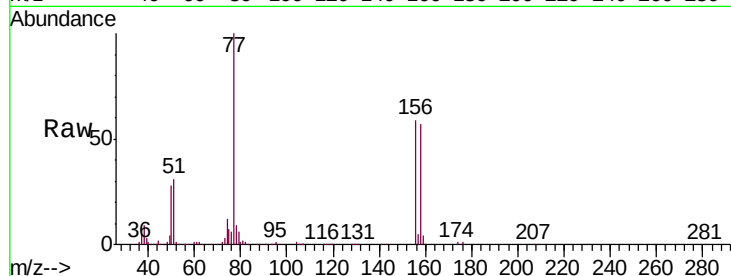
Tgt Ion:156 Resp: 68460

Ion Ratio Lower Upper

156 100

77 168.4 89.3 268.1

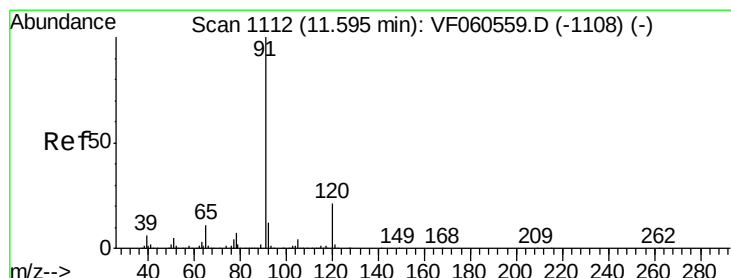
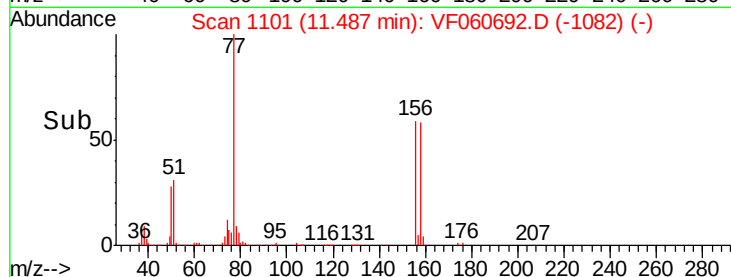
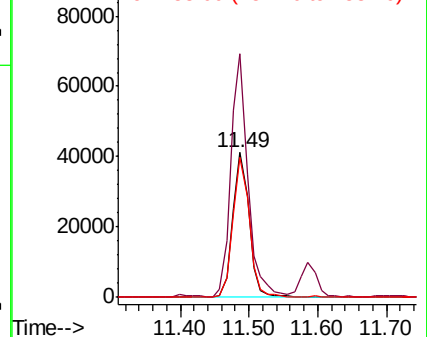
158 96.7 50.0 150.1



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: 23.472 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060692.D

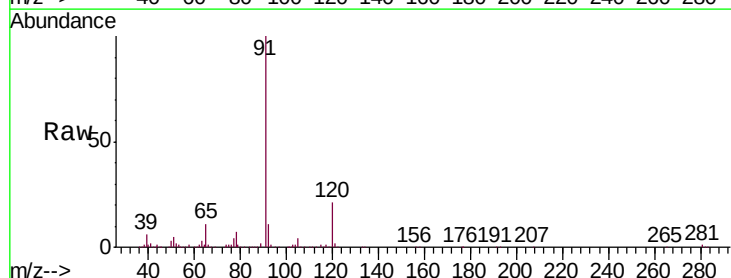
Acq: 12 Nov 2018 18:34

Tgt Ion: 91 Resp: 393290

Ion Ratio Lower Upper

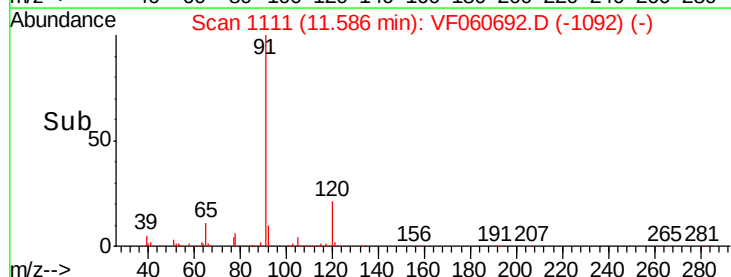
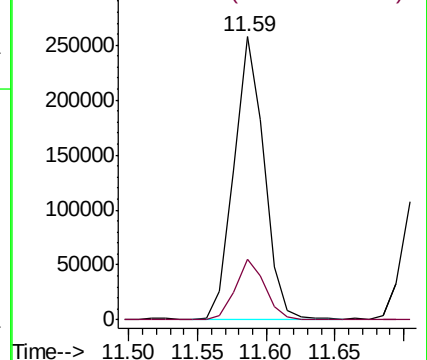
91 100

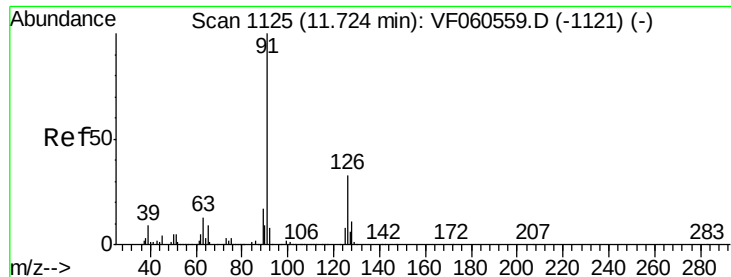
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

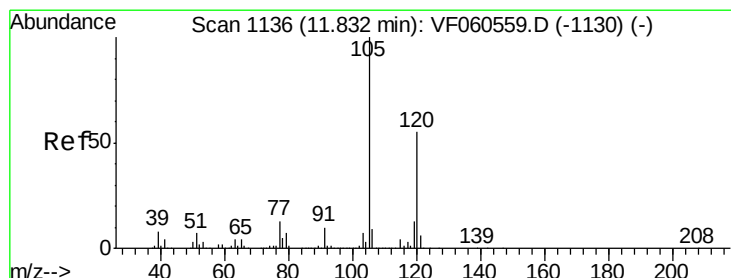
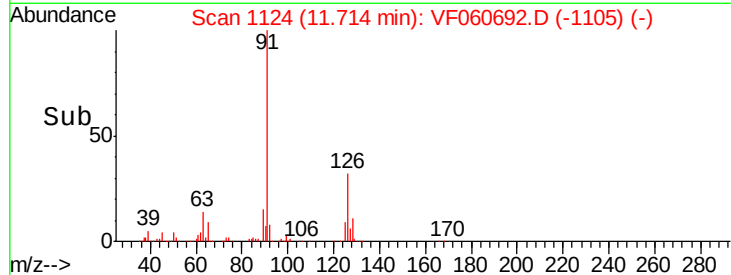
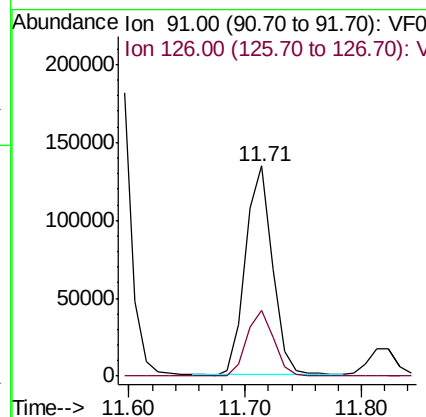
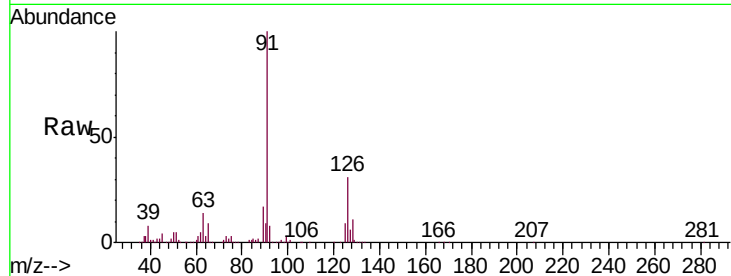




#79
 2-Chlorotoluene
 Concen: 22.537 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

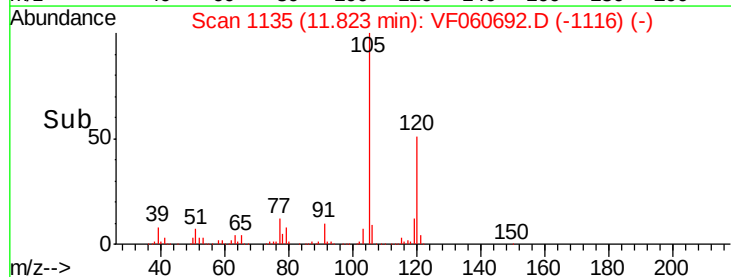
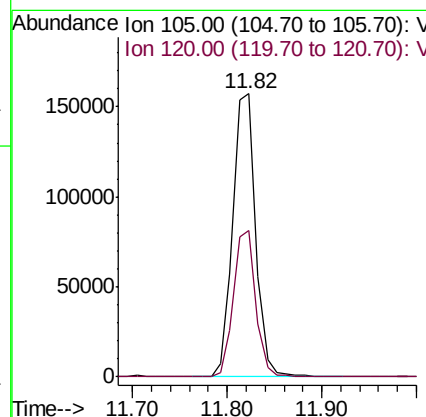
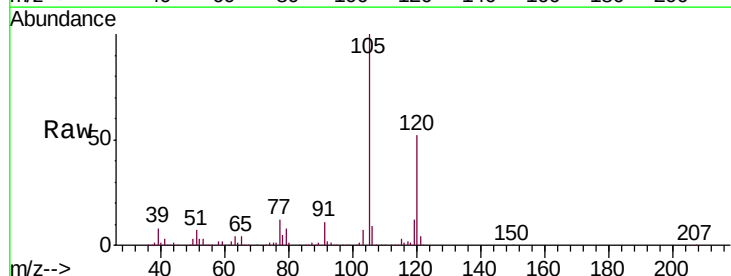
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

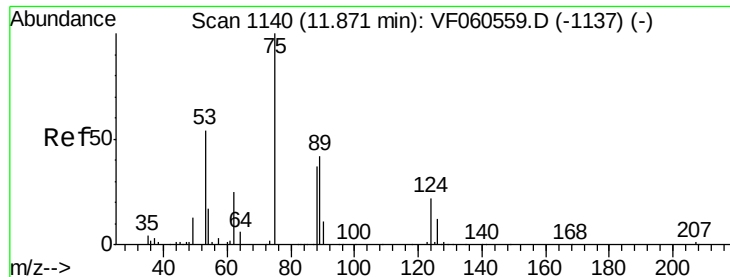
Tgt Ion: 91 Resp: 215659
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.403 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion: 105 Resp: 264456
 Ion Ratio Lower Upper
 105 100
 120 51.7 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 26.025 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

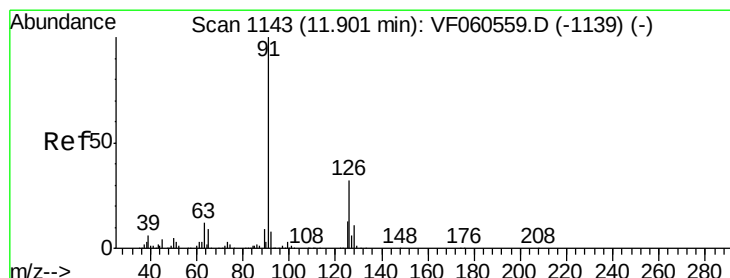
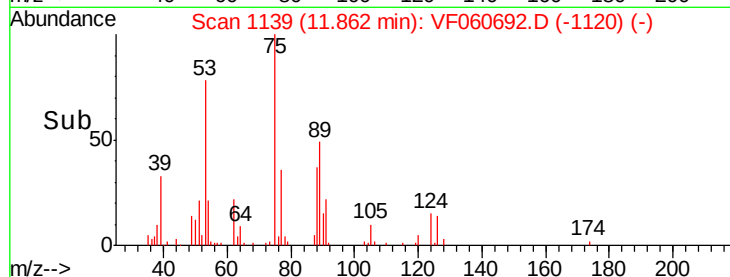
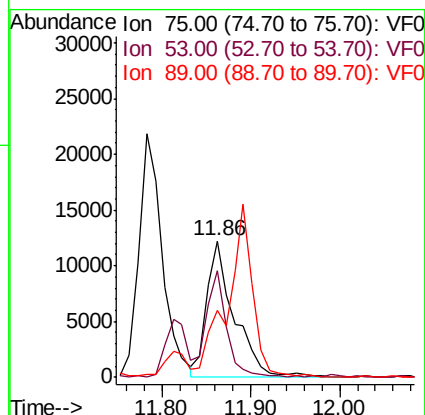
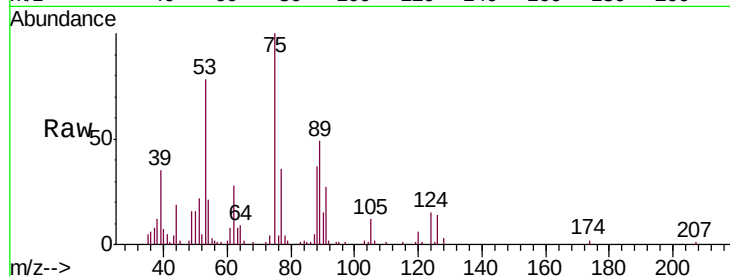
Tgt Ion: 75 Resp: 26275

Ion Ratio Lower Upper

75 100

53 77.9 51.6 77.4#

89 49.1 36.7 55.1



#82

4-Chlorotoluene

Concen: 21.911 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060692.D

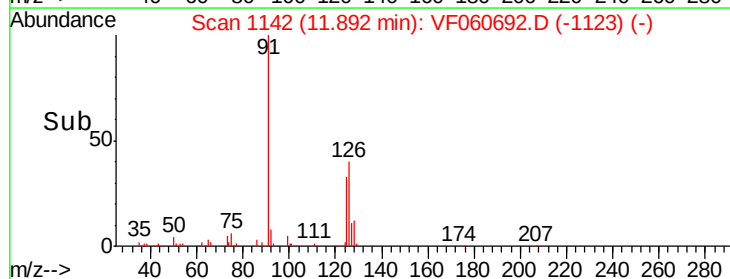
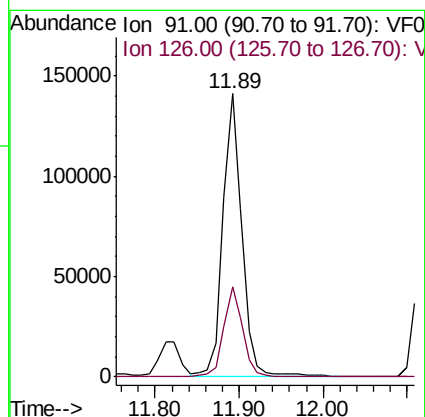
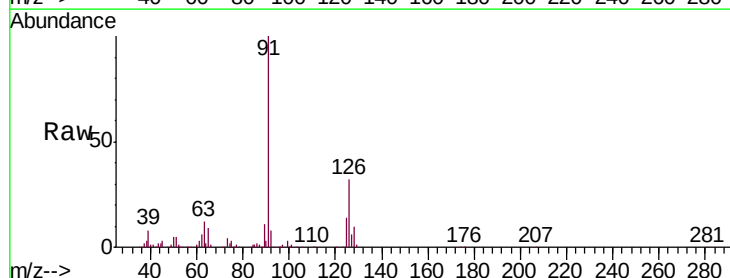
Acq: 12 Nov 2018 18:34

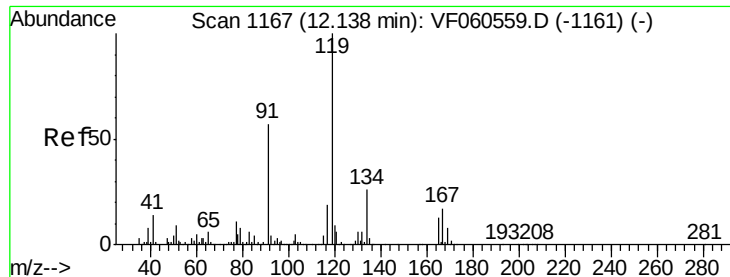
Tgt Ion: 91 Resp: 218756

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.7

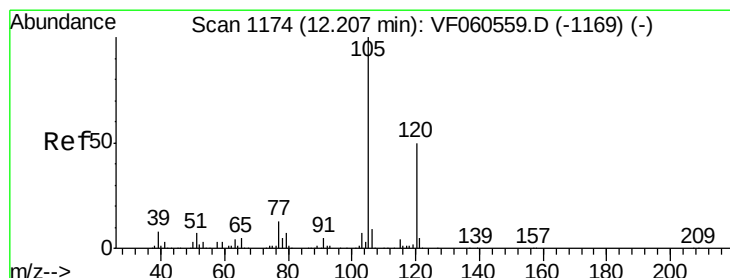
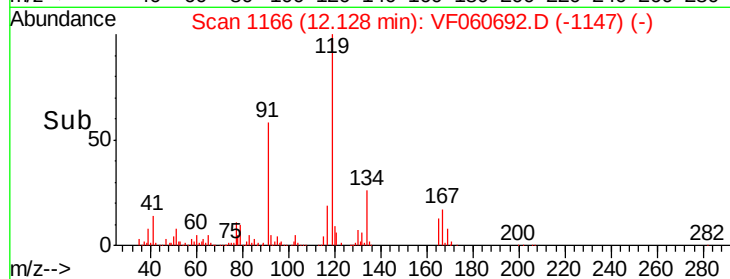
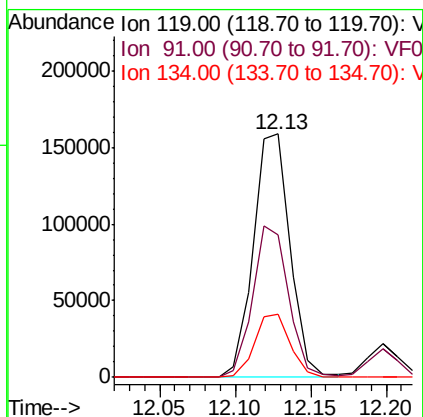
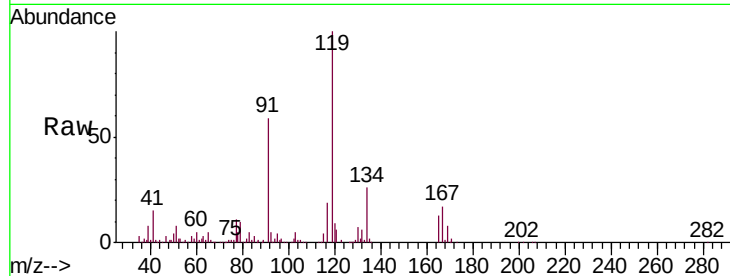




#83
 tert-Butylbenzene
 Concen: 22.427 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

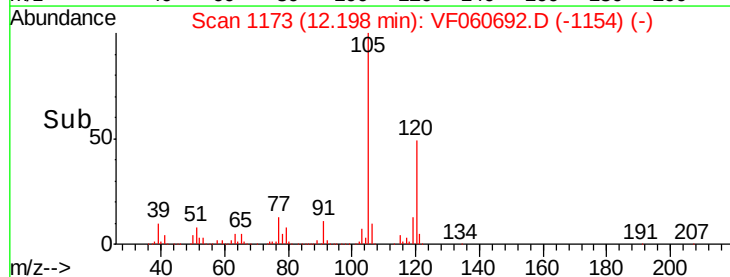
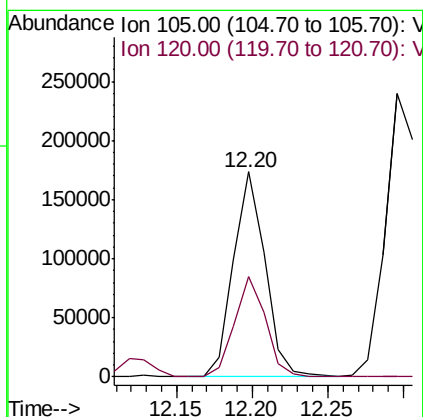
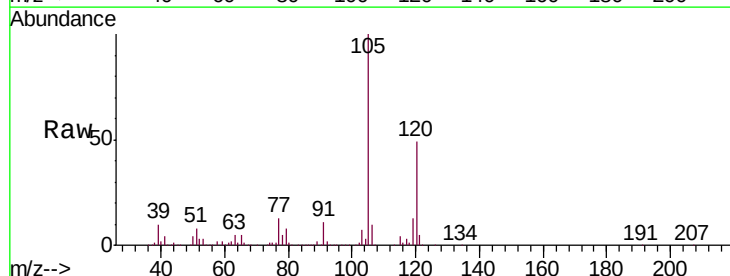
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

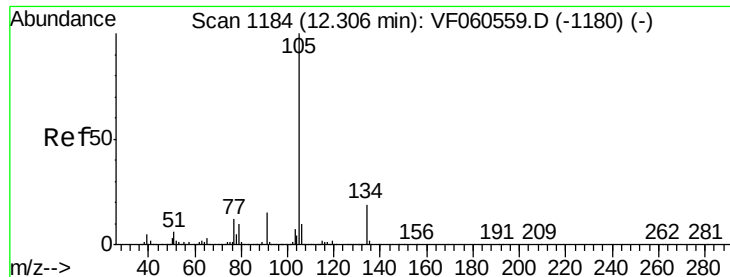
Tgt Ion:119 Resp: 270454
 Ion Ratio Lower Upper
 119 100
 91 58.8 28.8 86.4
 134 25.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.874 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion:105 Resp: 252871
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8





#85

sec-Butylbenzene

Concen: 22.552 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

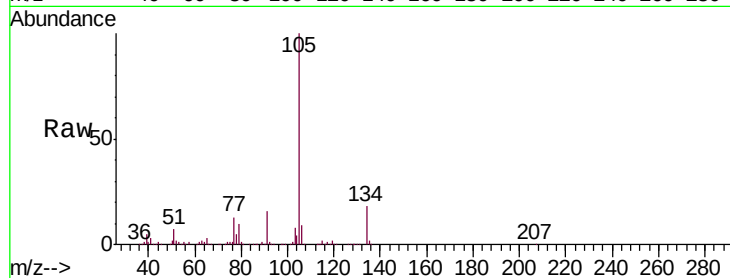
VF1112SBSD01

Tgt Ion:105 Resp: 374124

Ion Ratio Lower Upper

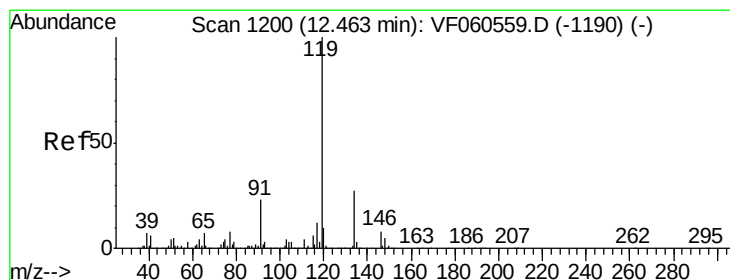
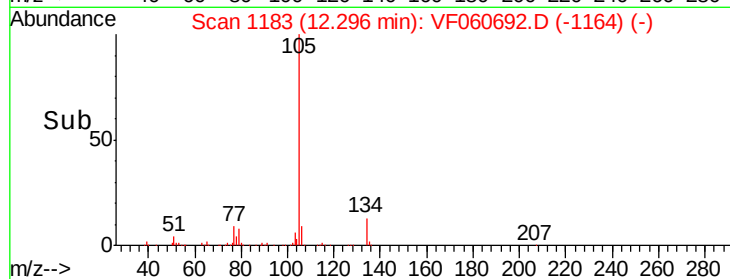
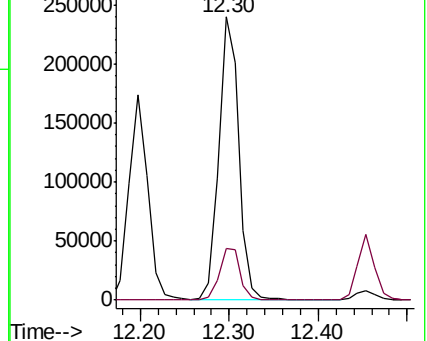
105 100

134 18.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.741 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

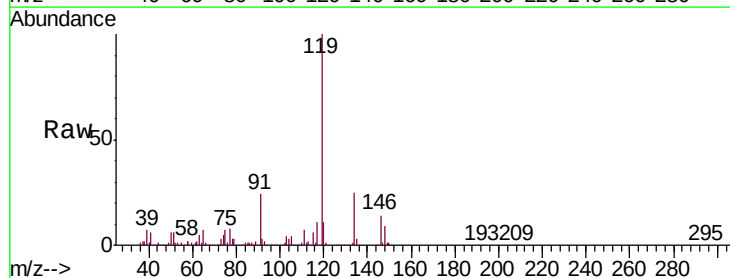
Tgt Ion:119 Resp: 310666

Ion Ratio Lower Upper

119 100

134 25.0 13.6 40.7

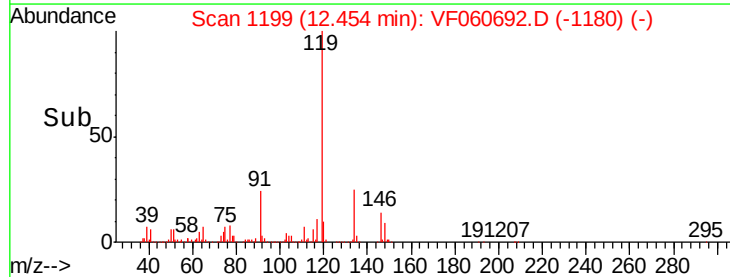
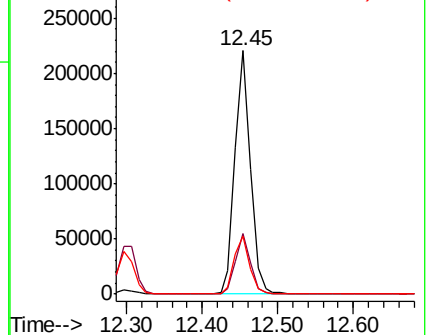
91 24.0 11.4 34.2

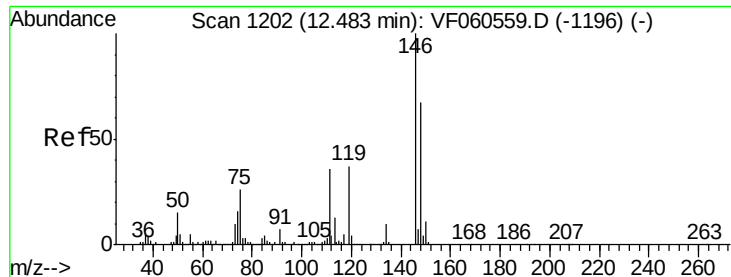


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 21.725 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

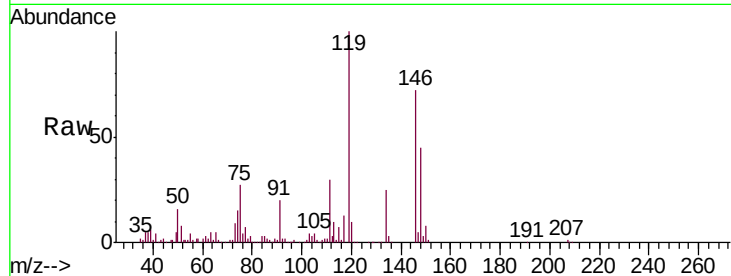
Tgt Ion:146 Resp: 133624

Ion Ratio Lower Upper

146 100

111 42.5 18.3 54.8

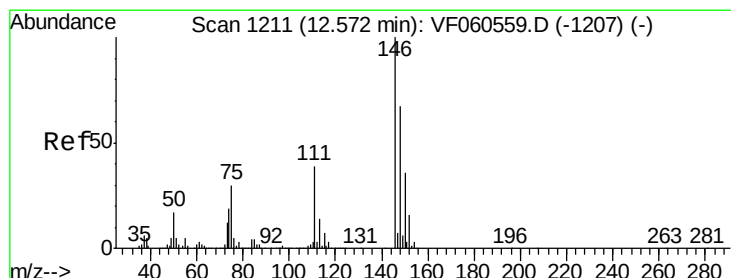
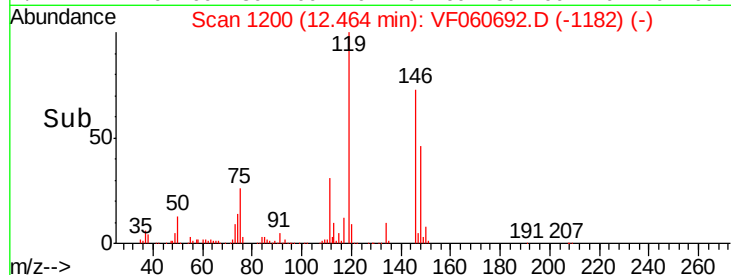
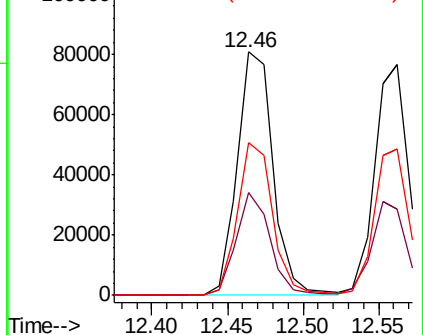
148 62.6 33.5 100.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.194 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

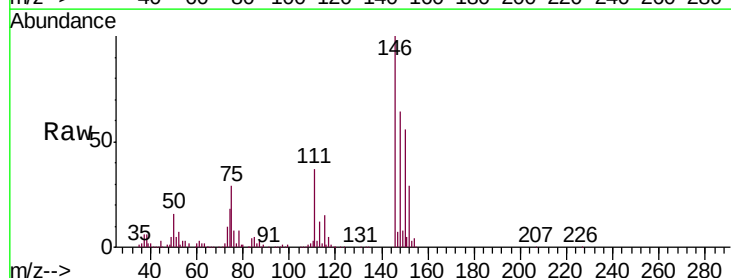
Tgt Ion:146 Resp: 123644

Ion Ratio Lower Upper

146 100

111 37.1 19.7 59.1

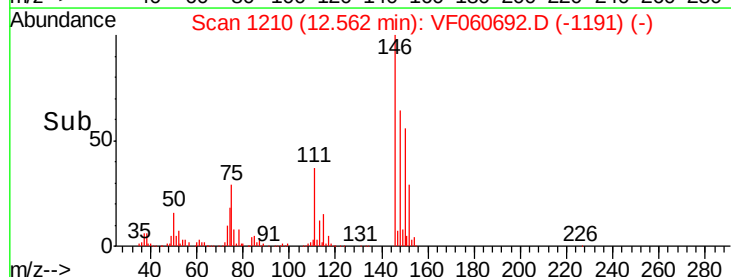
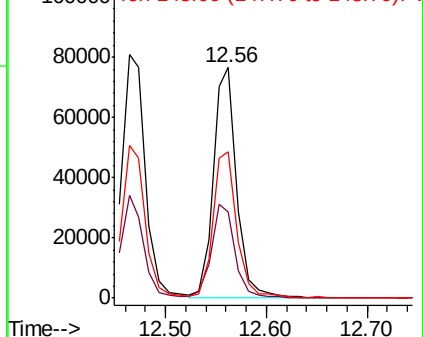
148 63.5 33.7 101.1

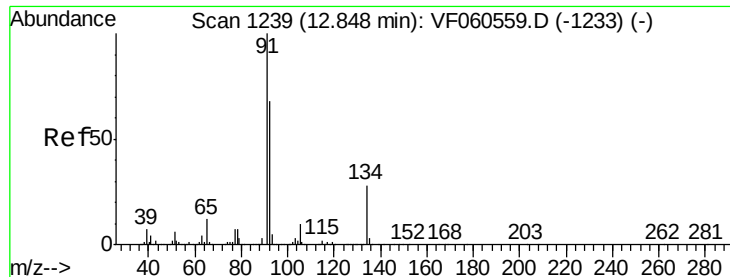


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 21.783 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

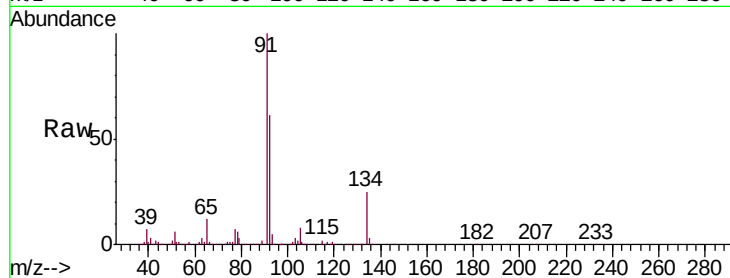
Tgt Ion: 91 Resp: 323021

Ion Ratio Lower Upper

91 100

92 61.4 34.1 102.2

134 24.6 13.9 41.6

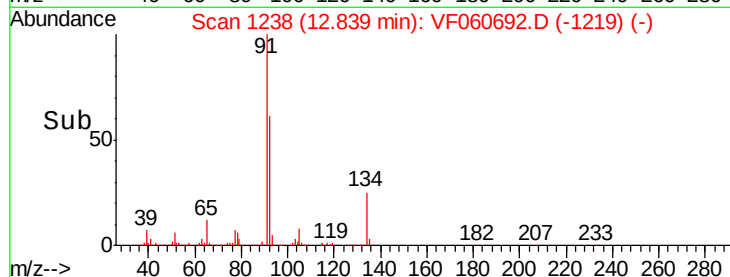


Abundance Ion 91.00 (90.70 to 91.70): VF060559.D (-1233) (-)

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

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

Time-->

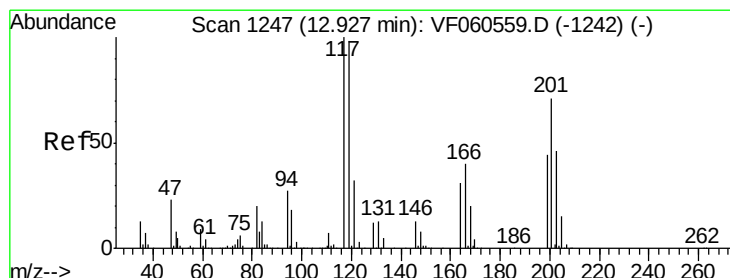


Abundance Ion 91.00 (90.70 to 91.70): VF060692.D (-1219) (-)

Ion 92.00 (91.70 to 92.70): VF060692.D (-1219) (-)

Ion 134.00 (133.70 to 134.70): VF060692.D (-1219) (-)

Time-->



#90

Hexachloroethane

Concen: 21.917 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF060692.D

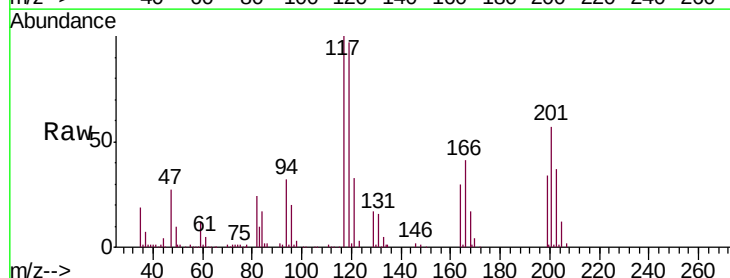
Acq: 12 Nov 2018 18:34

Tgt Ion: 117 Resp: 76142

Ion Ratio Lower Upper

117 100

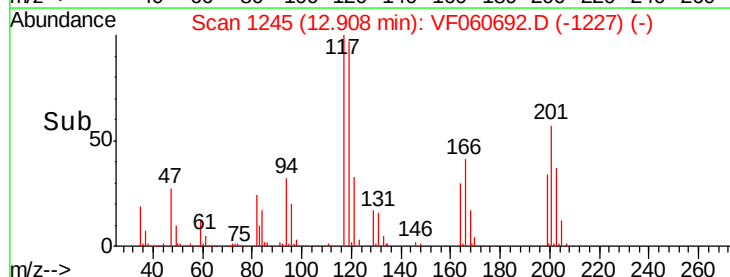
201 58.1 35.2 105.6



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

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

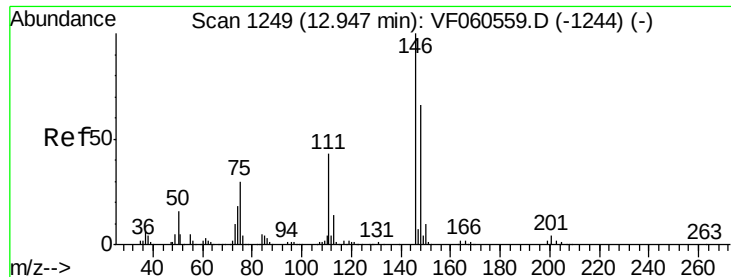
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VF060692.D (-1227) (-)

Ion 201.00 (200.70 to 201.70): VF060692.D (-1227) (-)

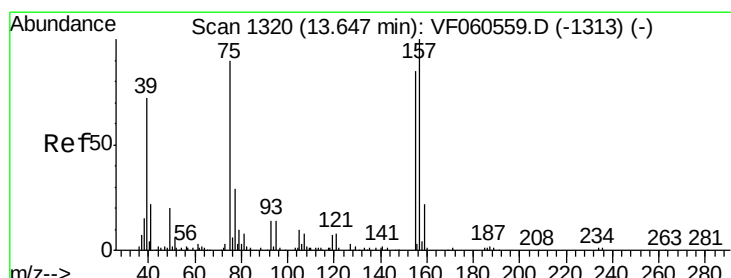
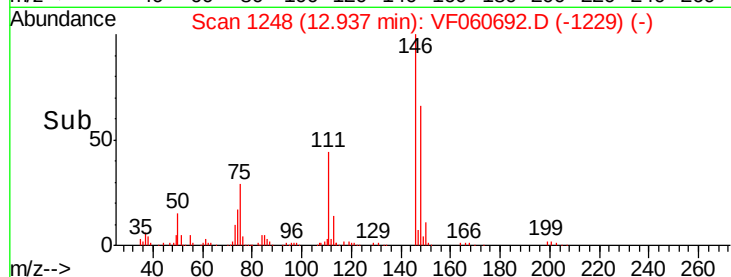
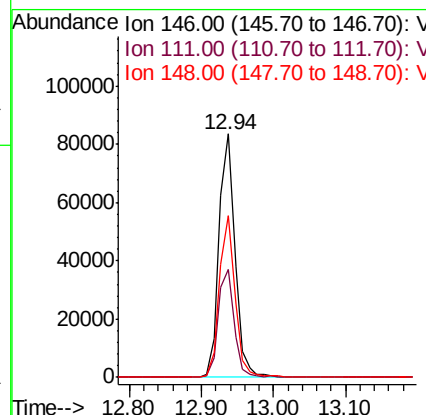
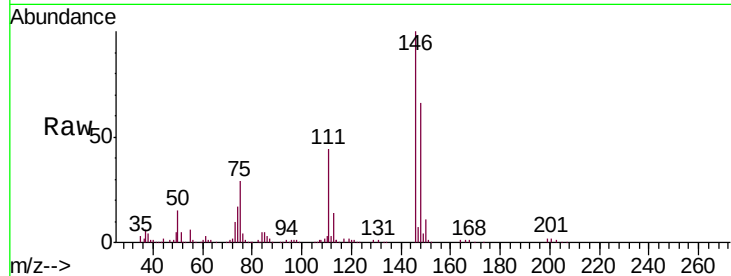
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 22.080 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

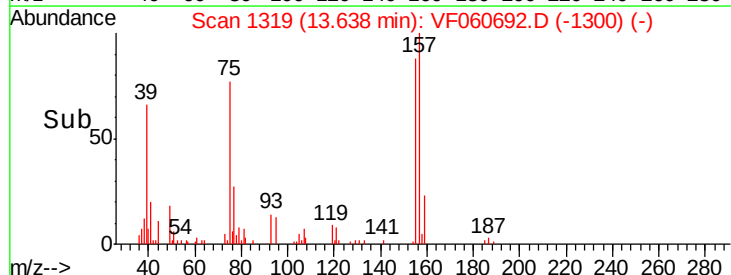
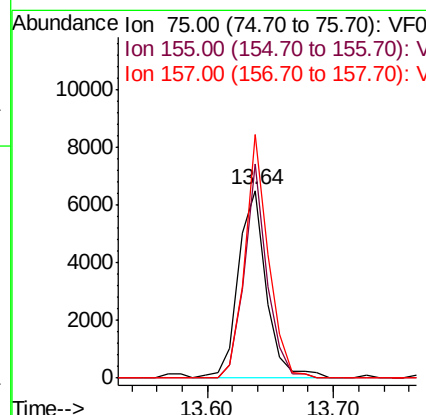
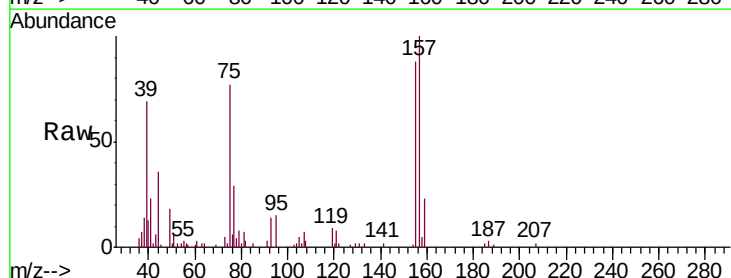
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

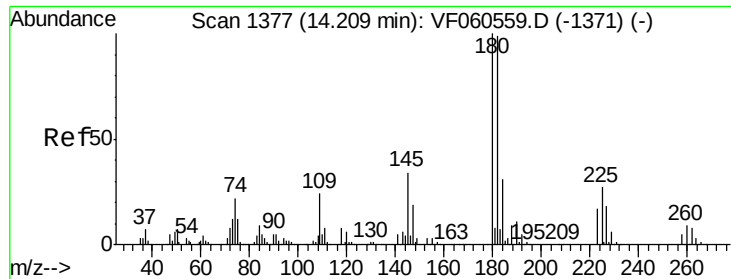
Tgt Ion:146 Resp: 127052
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.3 64.0
 148 66.2 32.9 98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.883 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion: 75 Resp: 9938
 Ion Ratio Lower Upper
 75 100
 155 114.0 47.3 141.8
 157 130.0 55.3 165.9

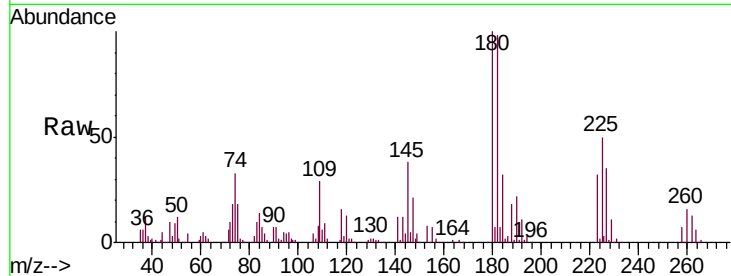




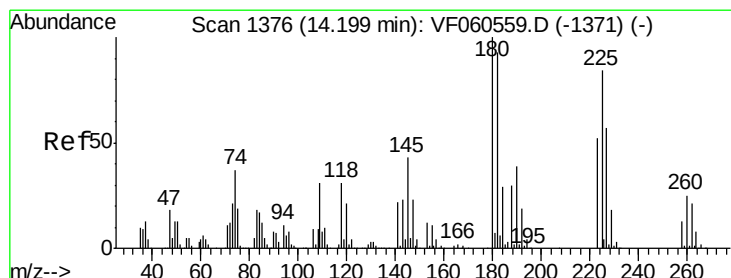
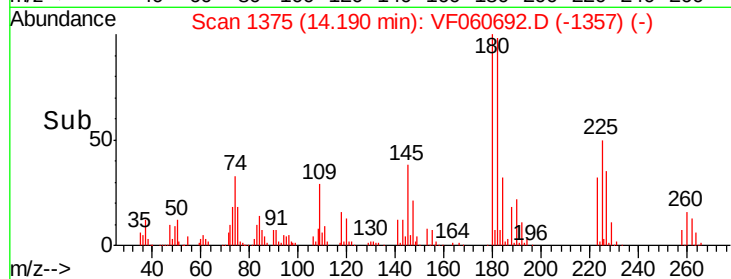
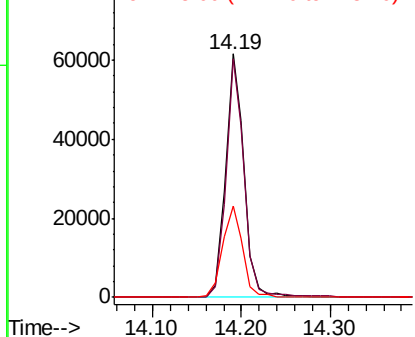
#93
 1,2,4-Trichlorobenzene
 Concen: 23.060 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

Tgt Ion:180 Resp: 90146
 Ion Ratio Lower Upper
 180 100
 182 98.0 49.7 149.1
 145 37.7 16.9 50.7

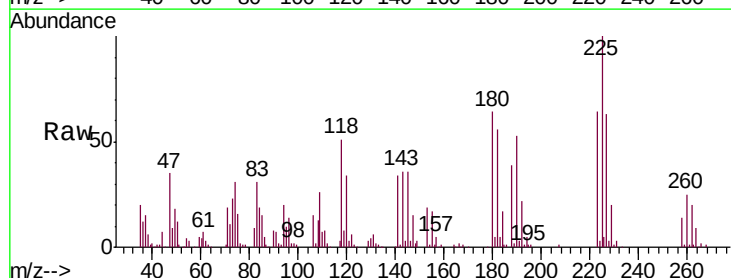


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

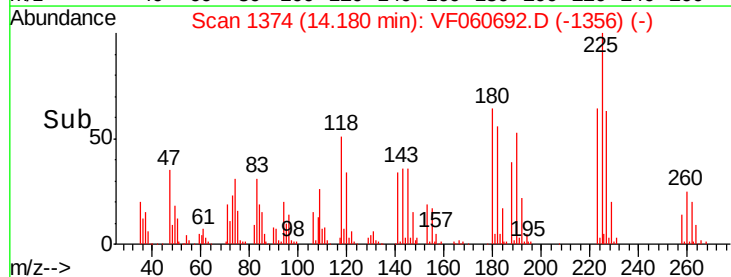
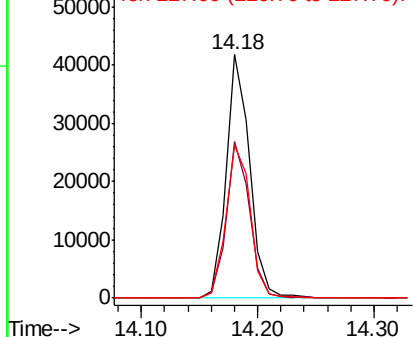


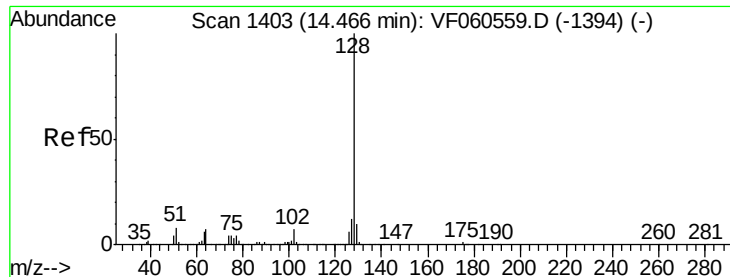
#94
 Hexachlorobutadiene
 Concen: 23.113 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion:225 Resp: 58547
 Ion Ratio Lower Upper
 225 100
 223 64.5 30.9 92.5
 227 62.6 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

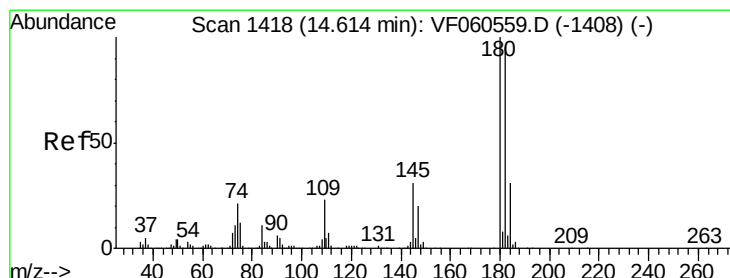
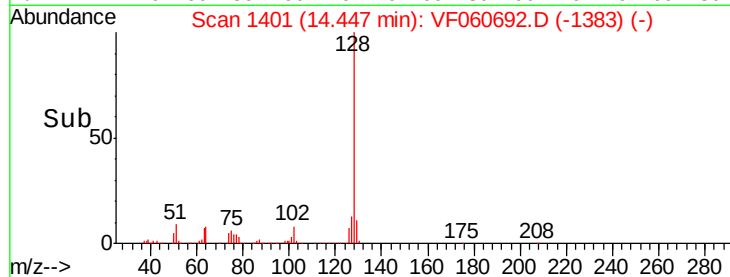
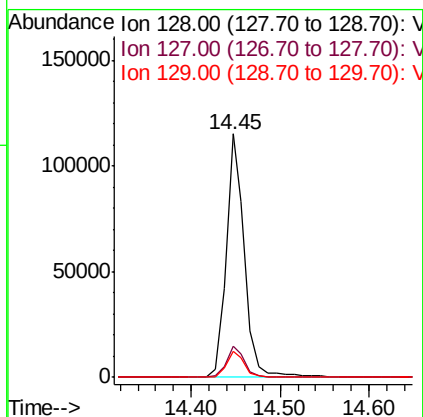
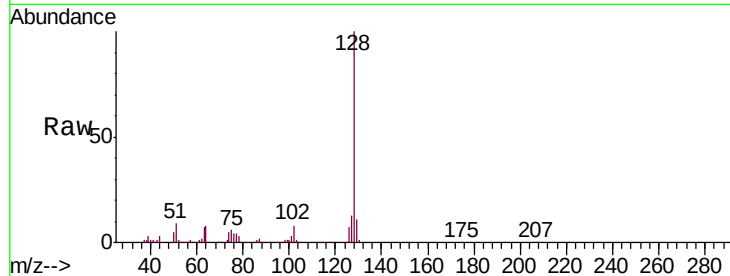




#95
Naphthalene
Concen: 21.226 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tgt Ion:128 Resp: 166079
Ion Ratio Lower Upper
128 100
127 12.7 9.4 14.0
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 22.449 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion:180 Resp: 82899
Ion Ratio Lower Upper
180 100
182 98.2 47.3 142.0
145 37.2 15.6 46.8

