

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060741.D
 Acq On : 15 Nov 2018 12:03
 Operator : VA/AP
 Sample : VF1115SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Quant Time: Nov 15 13:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	243961	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.57	114	403552	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	355359	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	197308	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	132499	47.62	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	4.08	113	152138	50.15	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	7.53	98	412527	53.23	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.39	95	189908	53.16	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.32%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.97	85	92083	21.09	ug/l	95
3) Chloromethane	1.09	50	60404	22.31	ug/l	92
4) Vinyl Chloride	1.14	62	52132	21.52	ug/l	100
5) Bromomethane	1.32	94	32319	21.01	ug/l	90
6) Chloroethane	1.37	64	20932	22.09	ug/l #	87
7) Trichlorofluoromethane	1.48	101	103441	19.31	ug/l	94
8) Diethyl Ether	1.62	74	14660	21.36	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.81	101	56236	22.28	ug/l	90
10) Methyl Iodide	1.88	142	65168	16.09	ug/l	94
11) Tert butyl alcohol	2.54	59	14277	112.74	ug/l #	83
12) 1,1-Dichloroethene	1.77	96	44322	22.27	ug/l	94
13) Acrolein	1.99	56	12042	103.99	ug/l #	78
14) Allyl chloride	2.08	41	77255	22.16	ug/l	88
15) Acrylonitrile	2.92	53	30786	114.08	ug/l	90
16) Acetone	2.23	43	59326	99.75	ug/l	95
17) Carbon Disulfide	1.82	76	100936	16.78	ug/l	99
18) Methyl Acetate	2.33	43	22051	22.58	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	104653	21.92	ug/l	96
20) Methylene Chloride	2.17	84	20322	7.87	ug/l	95
21) trans-1,2-Dichloroethene	2.30	96	47054	22.63	ug/l	88
22) Diisopropyl ether	2.78	45	151426	22.49	ug/l	96
23) Vinyl Acetate	3.17	43	364589	115.01	ug/l	97
24) 1,1-Dichloroethane	2.85	63	90760	22.27	ug/l	99
25) 2-Butanone	4.31	43	107267	109.65	ug/l	97
26) 2,2-Dichloropropane	3.58	77	63447	19.78	ug/l	95
27) cis-1,2-Dichloroethene	3.45	96	77343	21.86	ug/l	98
28) Bromochloromethane	3.69	49	45669	21.56	ug/l	94
29) Tetrahydrofuran	4.05	42	42979	106.51	ug/l	99
30) Chloroform	3.84	83	152386	23.30	ug/l	97
31) Cyclohexane	3.66	56	69985	14.15	ug/l	92
32) 1,1,1-Trichloroethane	4.06	97	102078	19.82	ug/l	95
36) 1,1-Dichloropropene	4.26	75	103755	22.17	ug/l	98
37) Ethyl Acetate	4.08	43	39720	22.83	ug/l	86
38) Carbon Tetrachloride	3.96	117	86770	19.11	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	122186	22.50	ug/l	99
40) Benzene	4.61	78	229094	21.96	ug/l	99
41) Methacrylonitrile	4.72	41	22866	22.24	ug/l #	90
42) 1,2-Dichloroethane	4.91	62	75893	21.05	ug/l	98
43) Isopropyl Acetate	6.93	43	48820	21.16	ug/l #	95
44) Trichloroethene	5.47	130	72485	22.02	ug/l	99
45) 1,2-Dichloropropane	6.21	63	56941	20.97	ug/l	99
46) Dibromomethane	6.07	93	37715	21.05	ug/l	96
47) Bromodichloromethane	6.36	83	98717	21.57	ug/l	98
48) Methyl methacrylate	6.70	41	31231	20.45	ug/l	95
49) 1,4-Dioxane	6.68	88	5676	397.49	ug/l #	88
51) 4-Methyl-2-Pentanone	8.24	43	177206	106.20	ug/l	98
52) Toluene	7.60	92	140109	20.04	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	73867	20.15	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	100618	21.13	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	41063	20.56	ug/l	94
56) Ethyl methacrylate	8.60	69	45010	19.84	ug/l	96
57) 1,3-Dichloropropane	8.83	76	69289	20.01	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.59	63	21259	102.58	ug/l	100
59) 2-Hexanone	9.47	43	115245	98.28	ug/l	88
60) Dibromochloromethane	8.69	129	59078	20.75	ug/l	97
61) 1,2-Dibromoethane	8.97	107	44583	21.22	ug/l	98
64) Tetrachloroethene	8.13	164	61904	22.00	ug/l	89
65) Chlorobenzene	9.77	112	154242	21.51	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.90	131	67087	21.45	ug/l	99
67) Ethyl Benzene	9.87	91	291242	21.55	ug/l	98
68) m/p-Xylenes	10.11	106	214694	44.45	ug/l	97
69) o-Xylene	10.69	106	122010	22.47	ug/l	97
70) Styrene	10.77	104	158506	21.51	ug/l	98
71) Bromoform	10.75	173	29128	20.71	ug/l	94
73) Isopropylbenzene	11.11	105	359261	22.62	ug/l	96
74) N-amyl acetate	11.35	43	81368	22.51	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	57912	22.06	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	41680	21.37	ug/l	96
77) Bromobenzene	11.48	156	71251	21.55	ug/l	91
78) n-propylbenzene	11.58	91	396294	21.39	ug/l	100
79) 2-Chlorotoluene	11.71	91	237463	22.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	274931	21.80	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	25443	26.56	ug/l	95
82) 4-Chlorotoluene	11.89	91	233342	21.16	ug/l	99
83) tert-Butylbenzene	12.11	119	295478	22.07	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	274111	21.02	ug/l	96
85) sec-Butylbenzene	12.29	105	404250	22.26	ug/l	98
86) p-Isopropyltoluene	12.45	119	332738	21.94	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	143018	21.74	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	134422	21.26	ug/l	96
89) n-Butylbenzene	12.83	91	337717	21.82	ug/l	96
90) Hexachloroethane	12.90	117	82262	22.17	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	133291	21.52	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	9022	18.28	ug/l	65

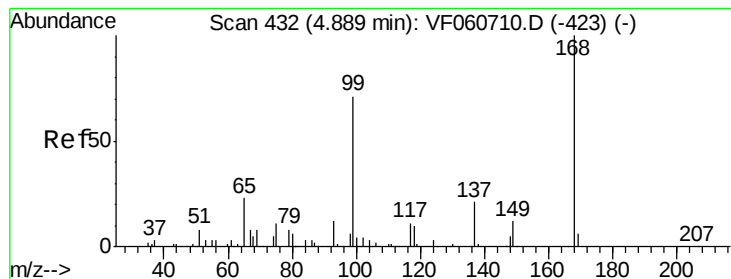
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	91500	20.55	ug/l	99
94) Hexachlorobutadiene	14.17	225	61318	21.08	ug/l	99
95) Naphthalene	14.44	128	164379	20.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	87754	21.33	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.05 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

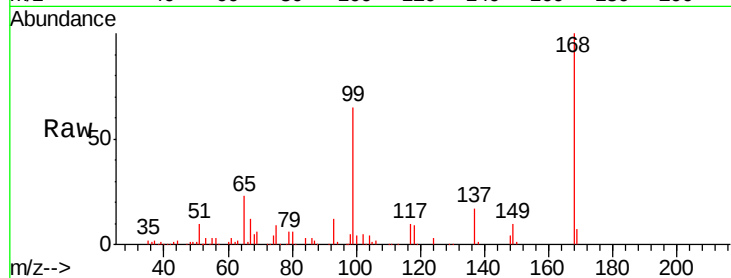
VF1115SBS01

Tgt Ion:168 Resp: 243961

Ion Ratio Lower Upper

168 100

99 64.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

60000

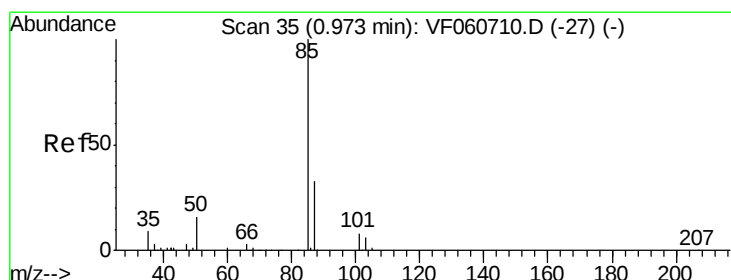
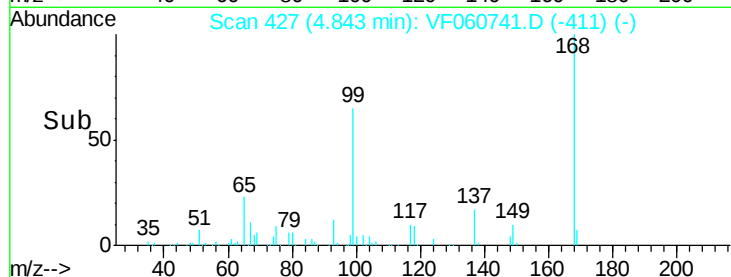
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 21.09 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060741.D

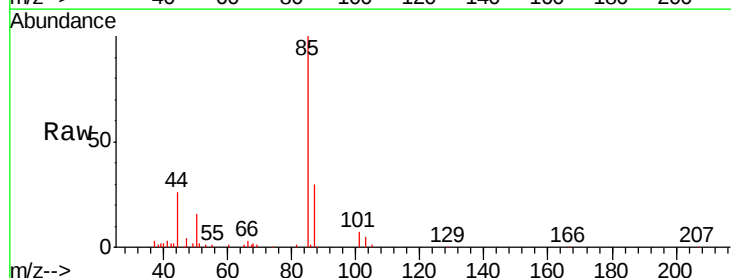
Acq: 15 Nov 2018 12:03

Tgt Ion: 85 Resp: 92083

Ion Ratio Lower Upper

85 100

87 29.7 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

25000

20000

15000

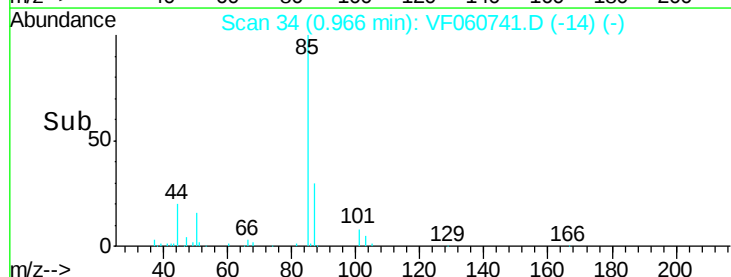
10000

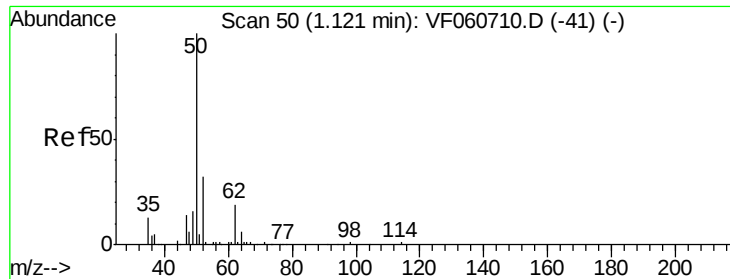
5000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.31 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

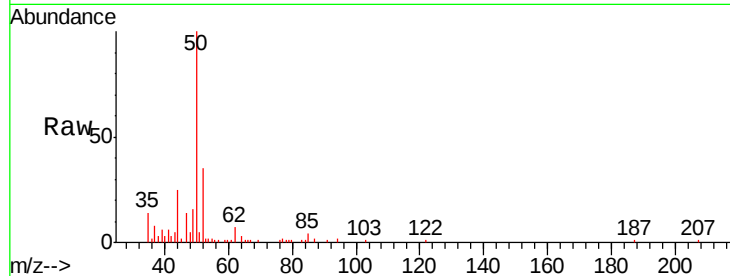
VF1115SBS01

Tgt Ion: 50 Resp: 60404

Ion Ratio Lower Upper

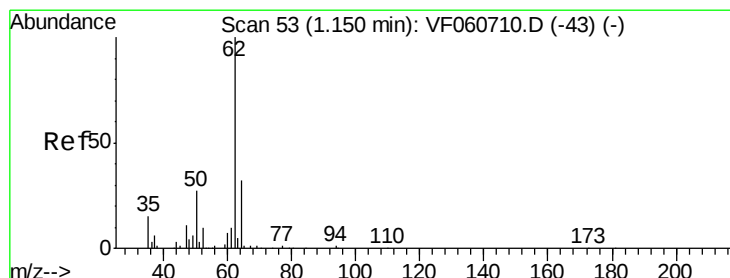
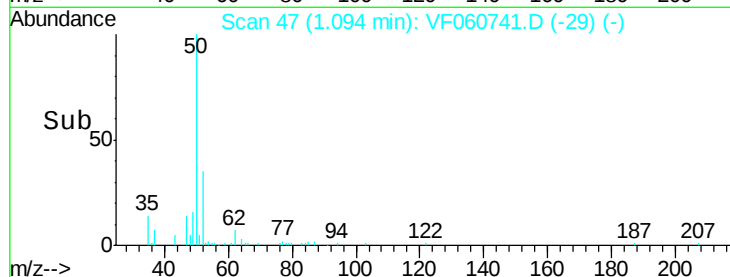
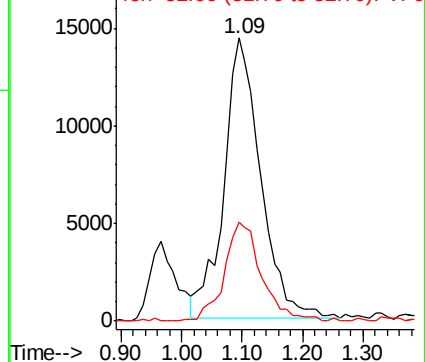
50 100

52 34.8 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.52 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060741.D

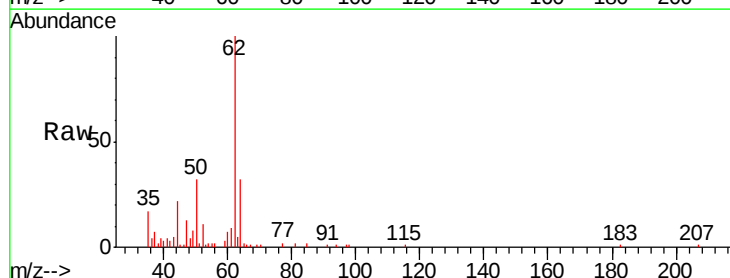
Acq: 15 Nov 2018 12:03

Tgt Ion: 62 Resp: 52132

Ion Ratio Lower Upper

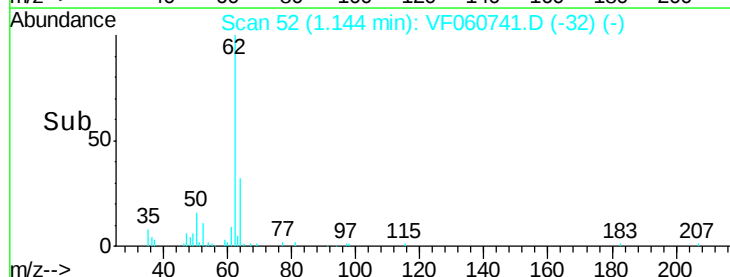
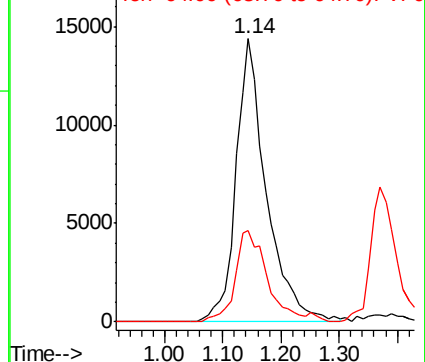
62 100

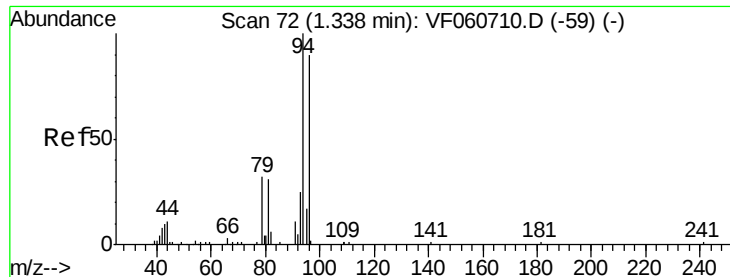
64 32.2 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.01 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

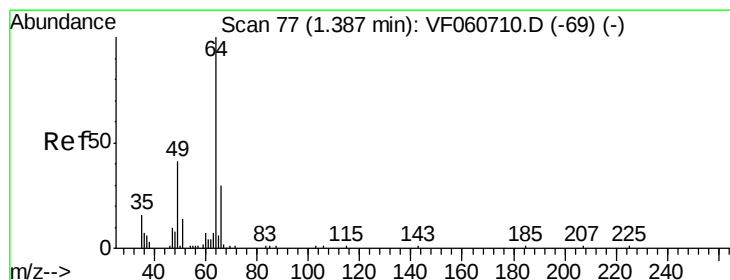
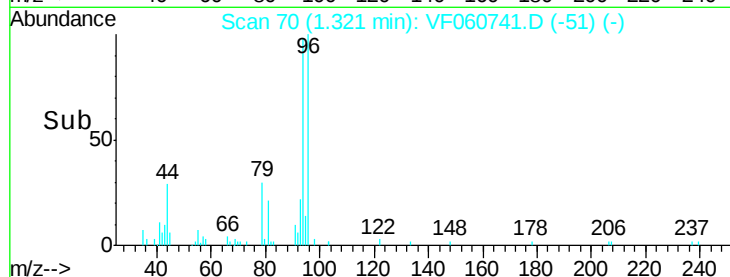
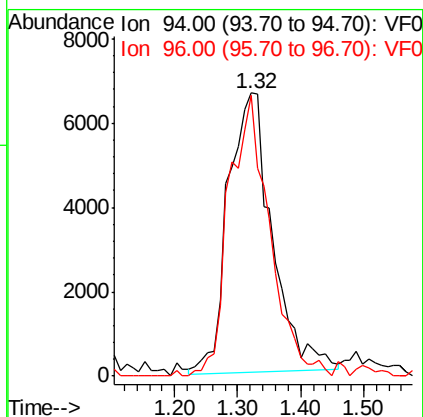
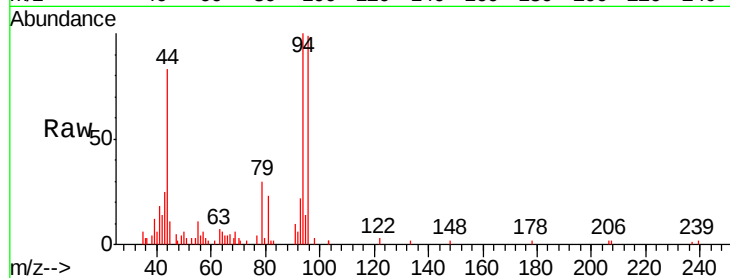
VF1115SBS01

Tgt Ion: 94 Resp: 32319

Ion Ratio Lower Upper

94 100

96 99.0 71.9 107.9



#6

Chloroethane

Concen: 22.09 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060741.D

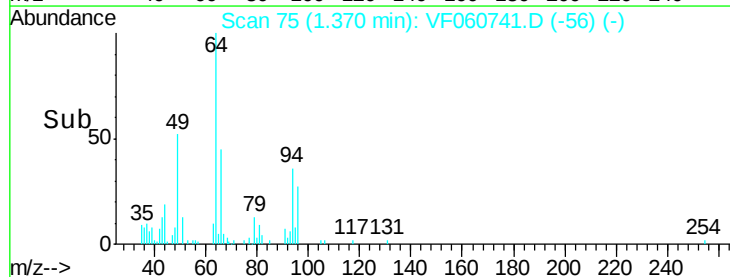
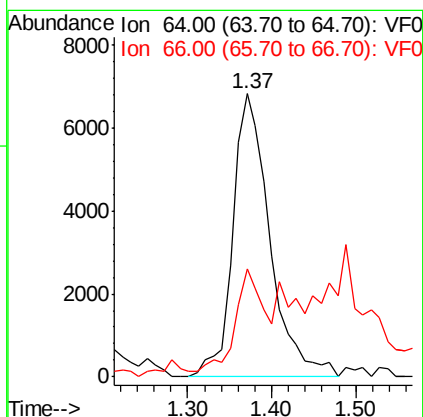
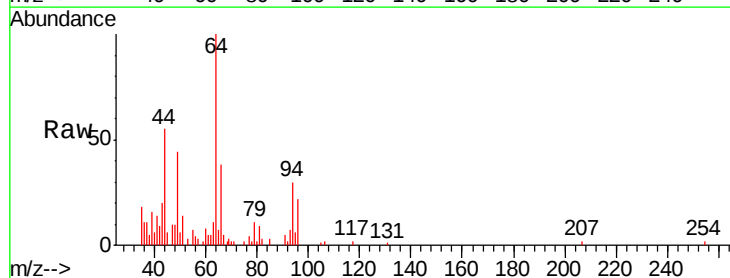
Acq: 15 Nov 2018 12:03

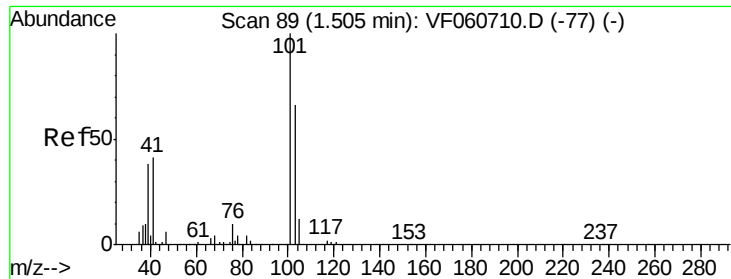
Tgt Ion: 64 Resp: 20932

Ion Ratio Lower Upper

64 100

66 38.0 24.8 37.2#





#7

Trichlorofluoromethane

Concen: 19.31 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

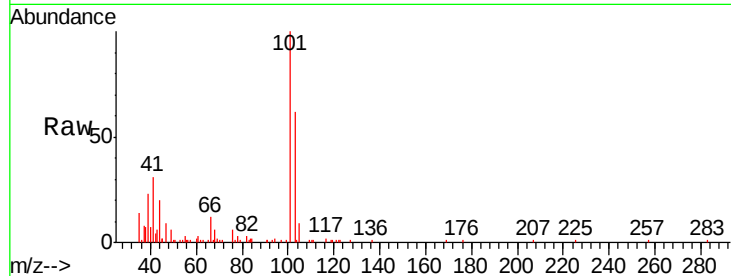
VF1115SBS01

Tgt Ion: 101 Resp: 103441

Ion Ratio Lower Upper

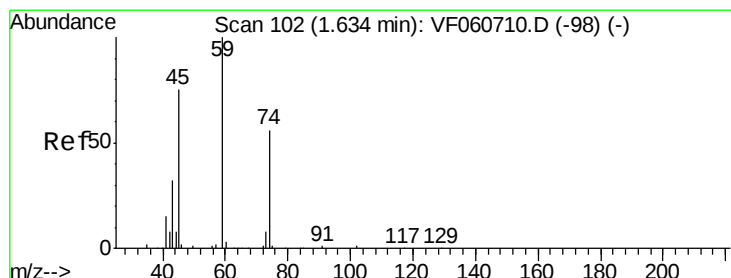
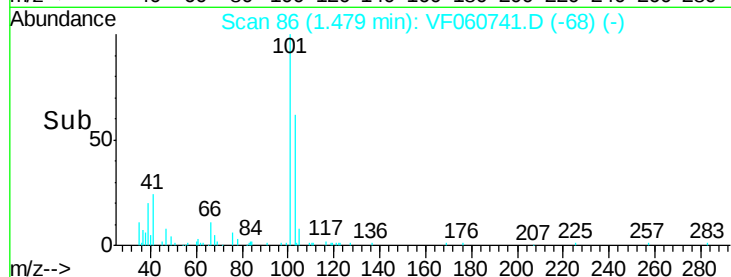
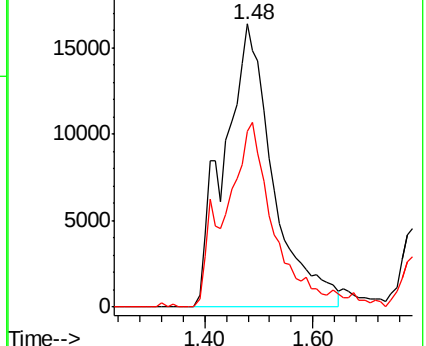
101 100

103 62.0 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.36 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060741.D

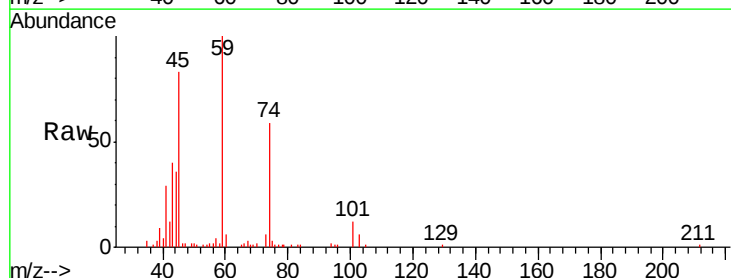
Acq: 15 Nov 2018 12:03

Tgt Ion: 74 Resp: 14660

Ion Ratio Lower Upper

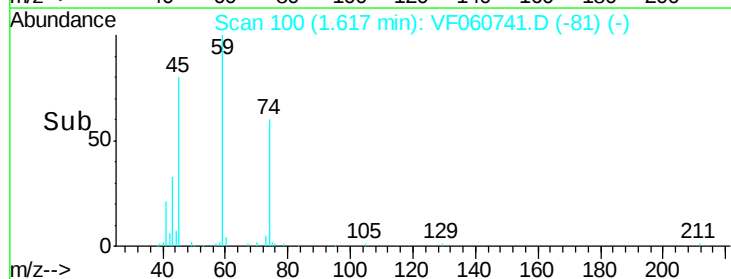
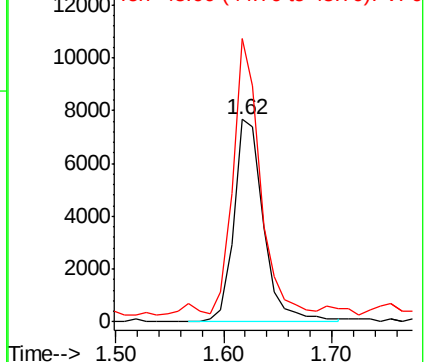
74 100

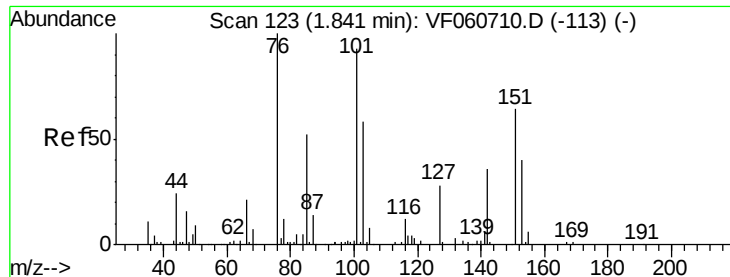
45 139.9 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.28 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

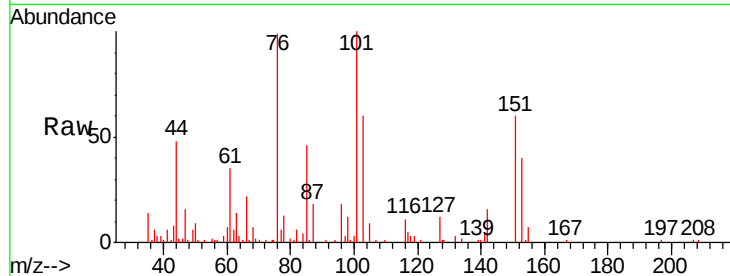
Tgt Ion:101 Resp: 56236

Ion Ratio Lower Upper

101 100

85 46.0 43.6 65.4

151 60.3 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

20000

15000

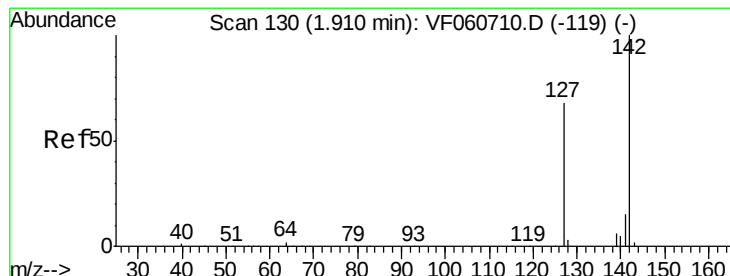
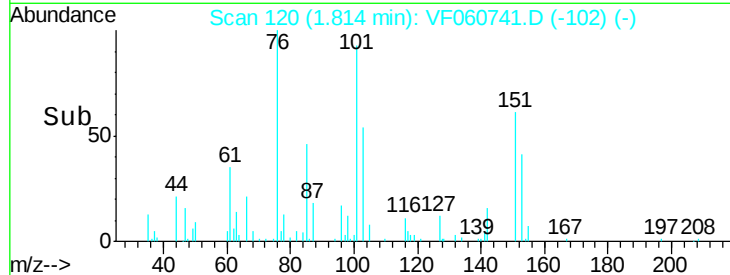
10000

5000

0

1.70 1.80 1.90 2.00

Time-->



#10

Methyl Iodide

Concen: 16.09 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

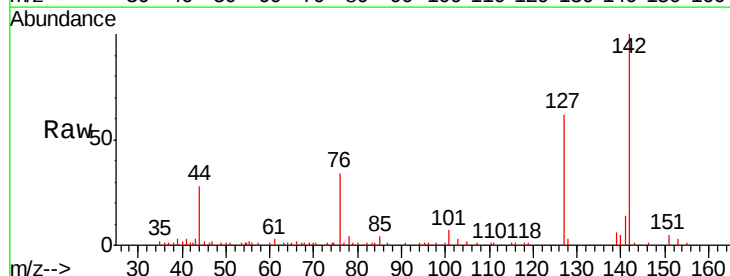
Tgt Ion:142 Resp: 65168

Ion Ratio Lower Upper

142 100

127 62.4 54.0 81.0

141 14.3 12.3 18.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

25000

20000

15000

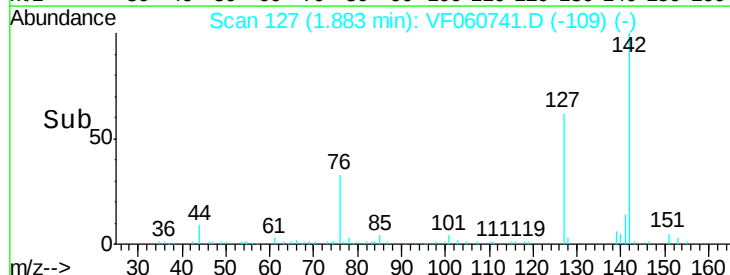
10000

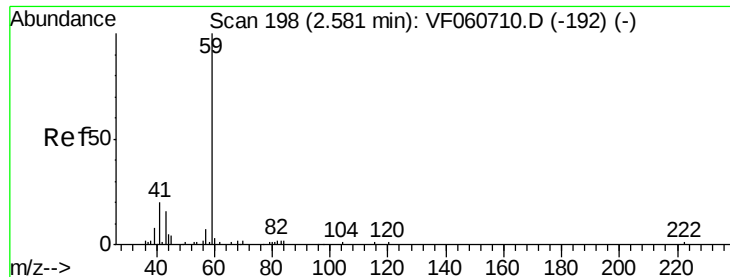
5000

0

1.80 1.90 2.00

Time-->

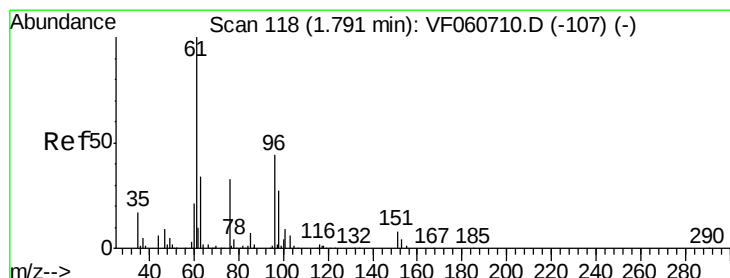
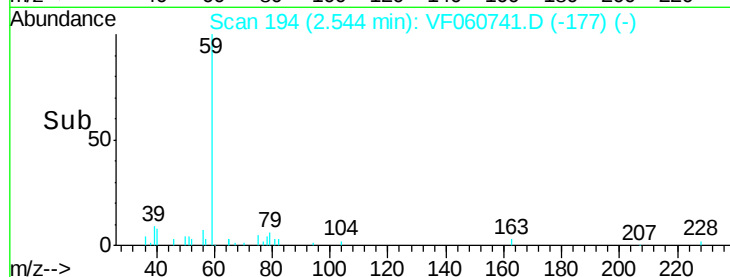
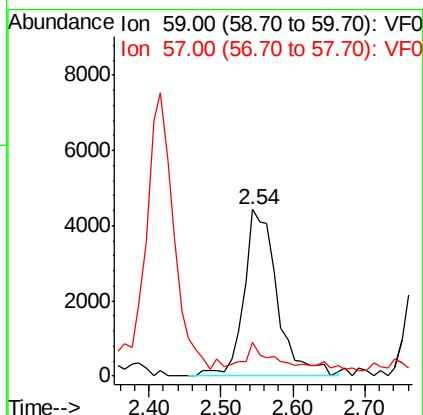
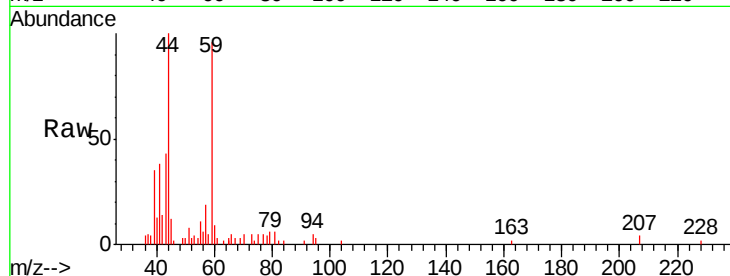




#11
Tert butyl alcohol
Concen: 112.74 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

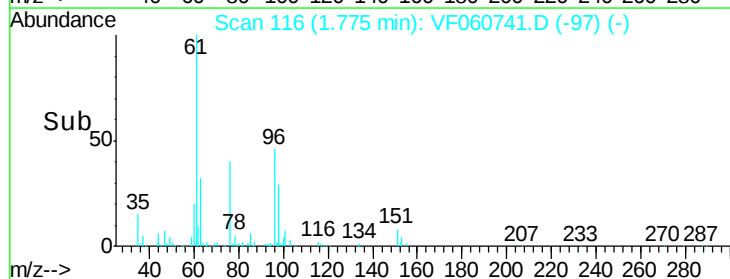
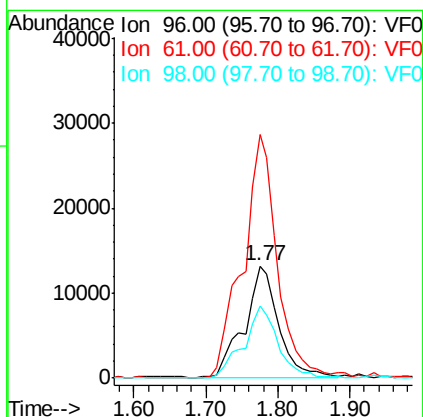
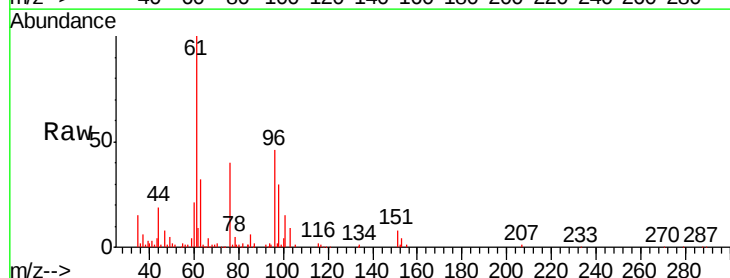
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

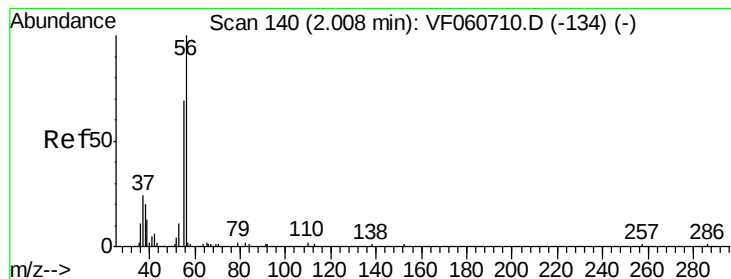
Tgt Ion: 59 Resp: 14277
Ion Ratio Lower Upper
59 100
57 20.0 10.5 15.7#



#12
1,1-Dichloroethene
Concen: 22.27 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion: 96 Resp: 44322
Ion Ratio Lower Upper
96 100
61 216.7 182.2 273.2
98 64.4 49.2 73.8





#13

Acrolein

Concen: 103.99 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

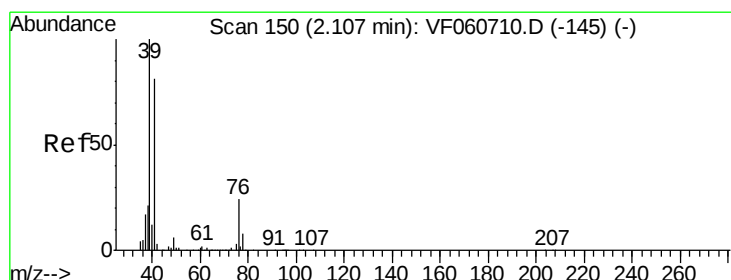
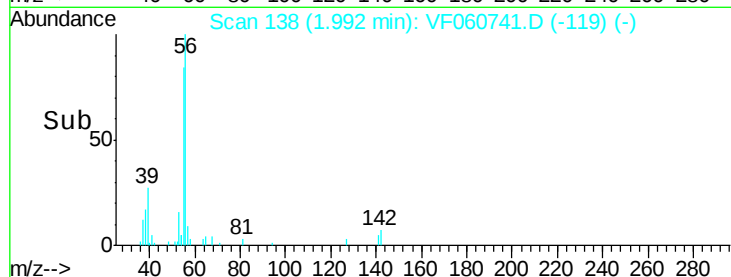
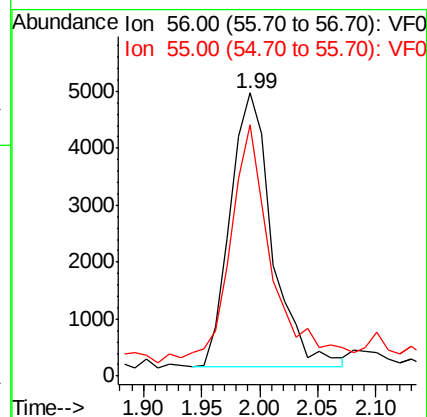
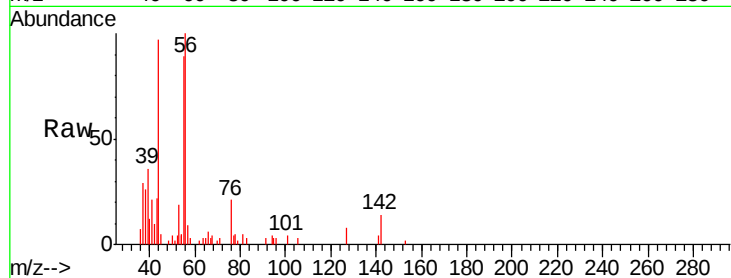
VF1115SBS01

Tgt Ion: 56 Resp: 12042

Ion Ratio Lower Upper

56 100

55 88.8 56.6 85.0#



#14

Allyl chloride

Concen: 22.16 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

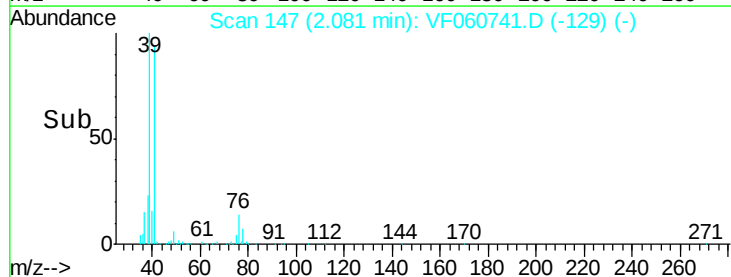
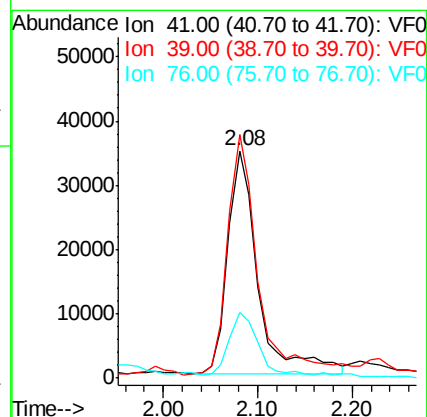
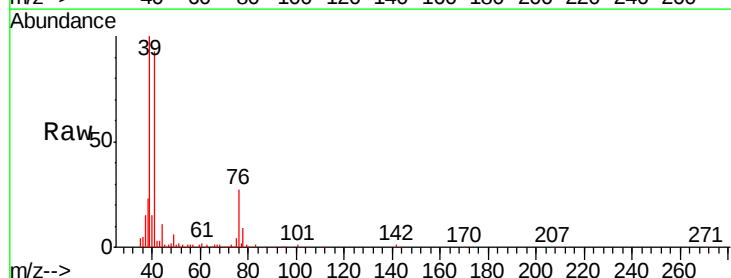
Tgt Ion: 41 Resp: 77255

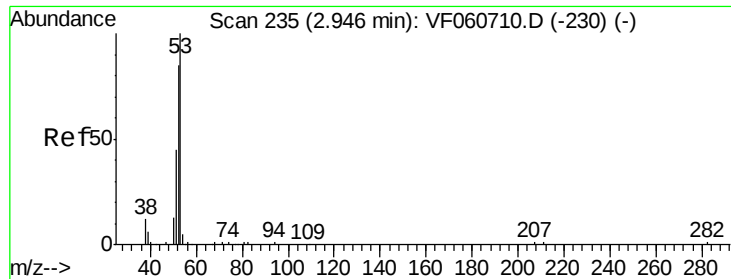
Ion Ratio Lower Upper

41 100

39 107.1 98.5 147.7

76 29.0 24.5 36.7





#15

Acrylonitrile

Concen: 114.08 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

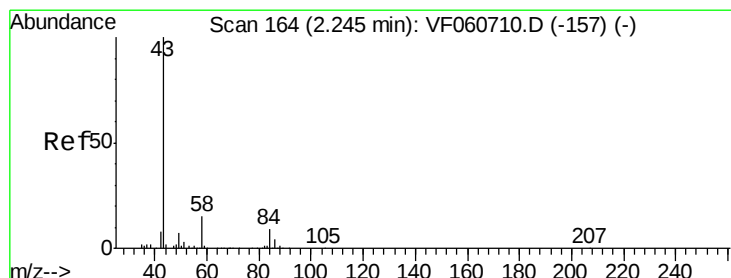
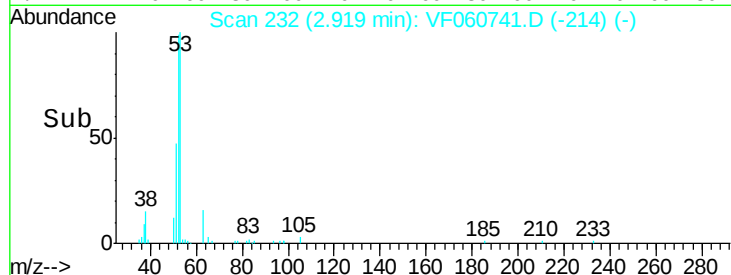
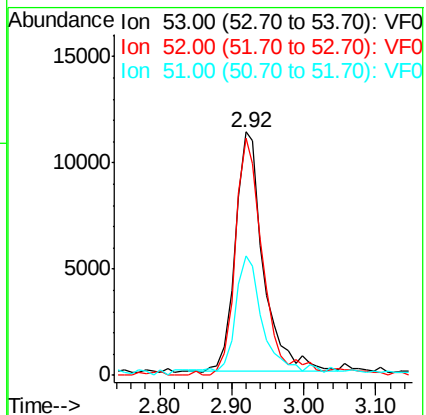
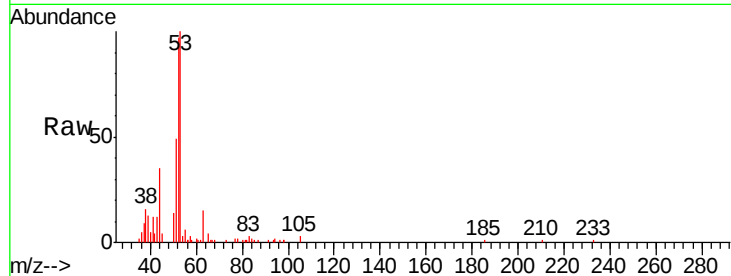
Tgt Ion: 53 Resp: 30786

Ion Ratio Lower Upper

53 100

52 97.3 68.8 103.2

51 49.1 36.7 55.1



#16

Acetone

Concen: 99.75 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060741.D

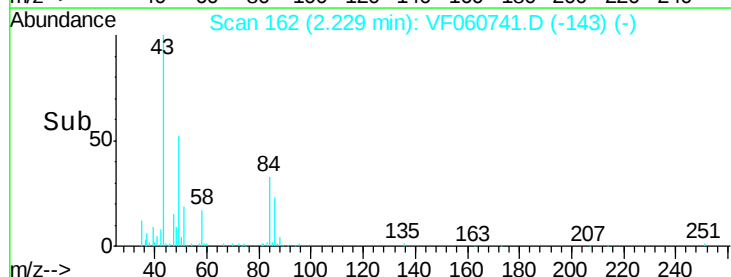
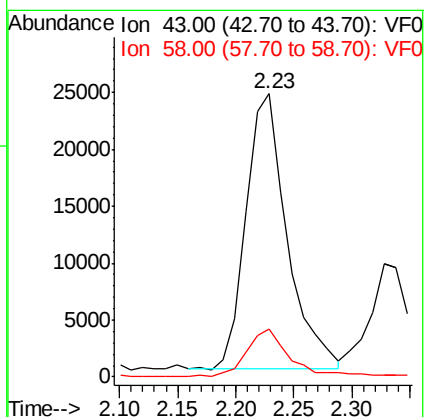
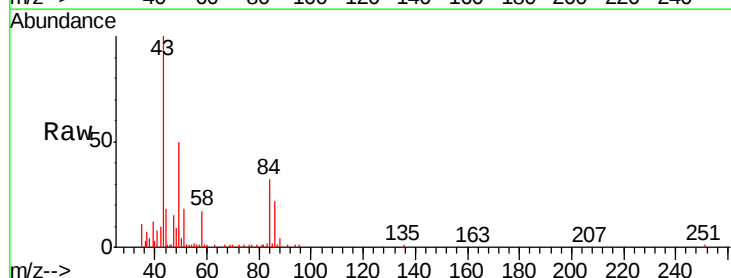
Acq: 15 Nov 2018 12:03

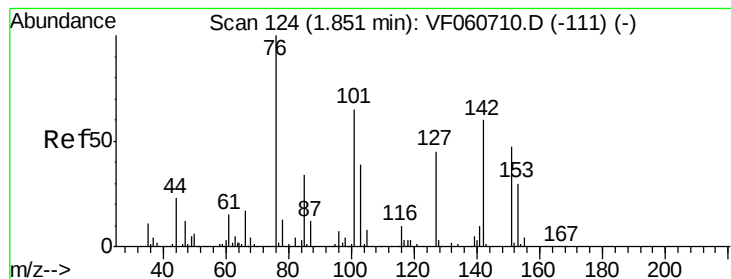
Tgt Ion: 43 Resp: 59326

Ion Ratio Lower Upper

43 100

58 16.7 11.6 17.4





#17

Carbon Disulfide

Concen: 16.78 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

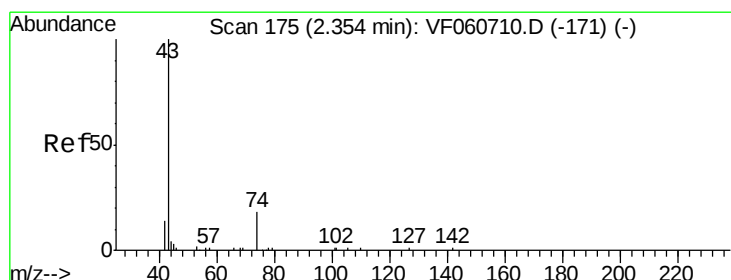
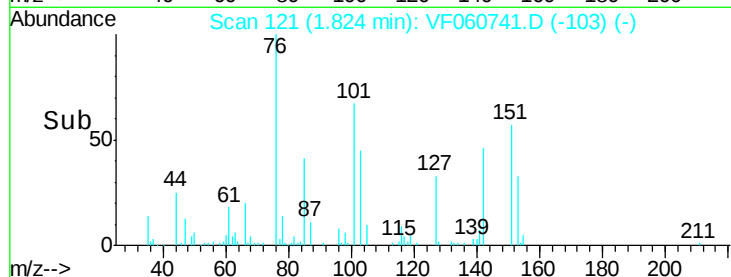
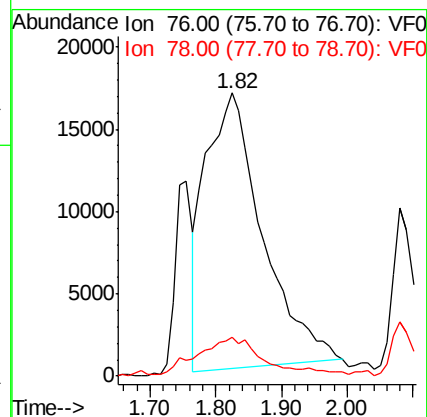
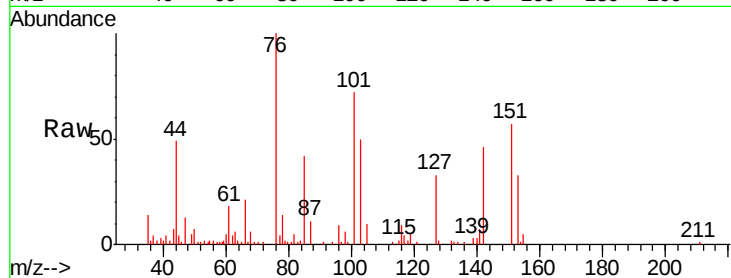
VF1115SBS01

Tgt Ion: 76 Resp: 100936

Ion Ratio Lower Upper

76 100

78 13.6 10.5 15.7



#18

Methyl Acetate

Concen: 22.58 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.03 min

Lab File: VF060741.D

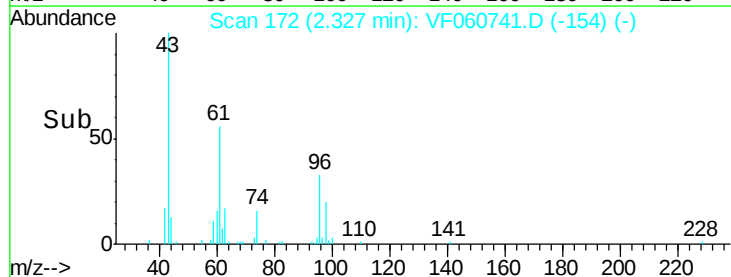
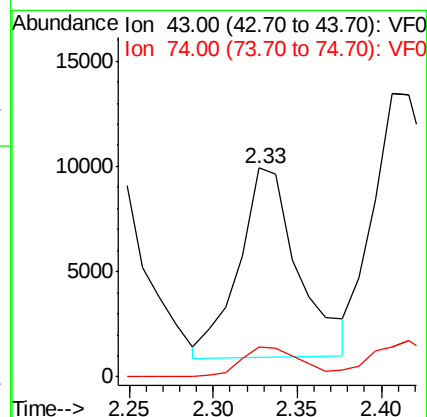
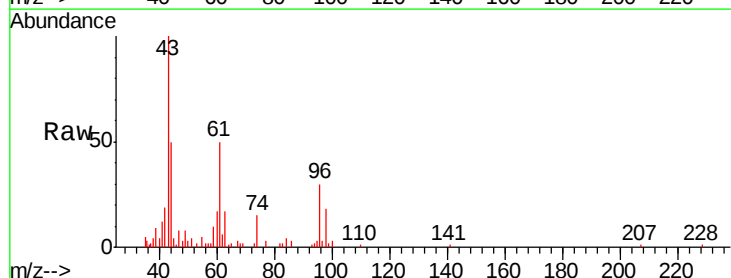
Acq: 15 Nov 2018 12:03

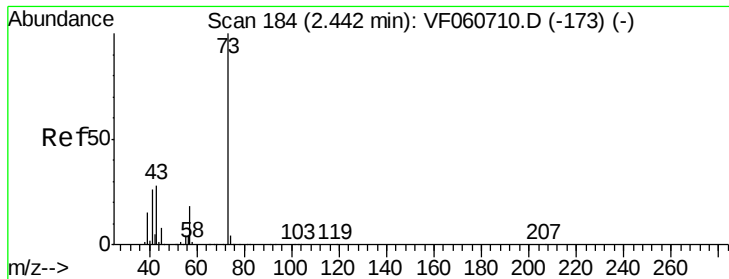
Tgt Ion: 43 Resp: 22051

Ion Ratio Lower Upper

43 100

74 14.6 11.8 17.8

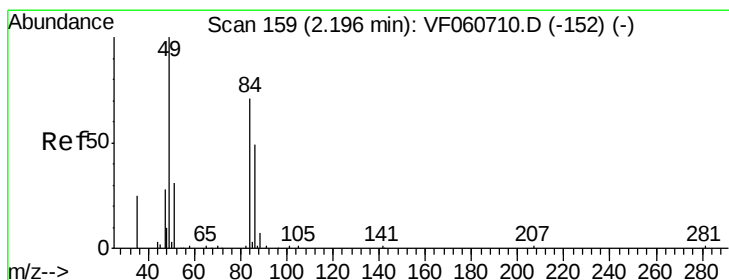
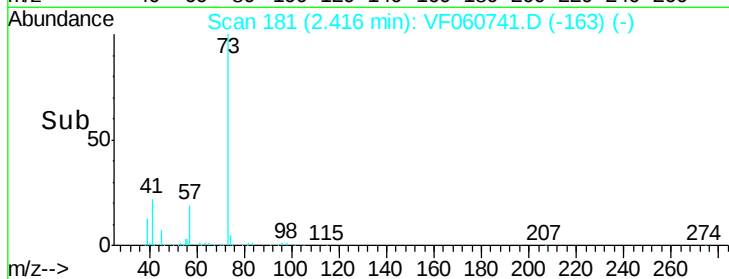
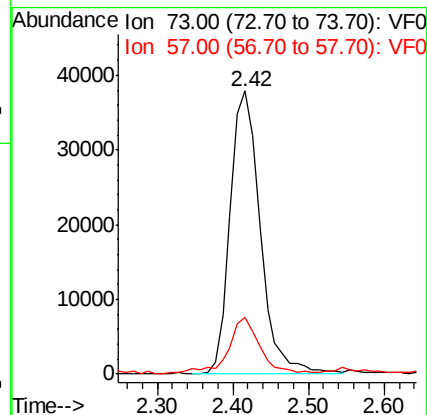
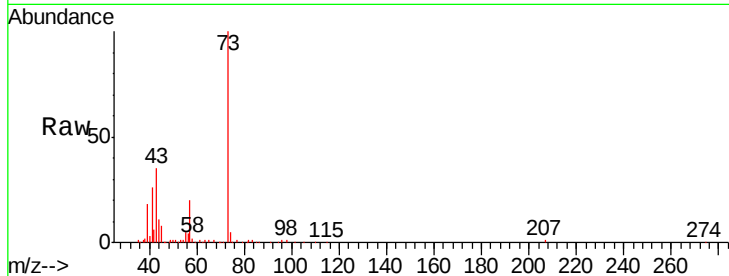




#19
Methyl tert-butyl Ether
Concen: 21.92 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

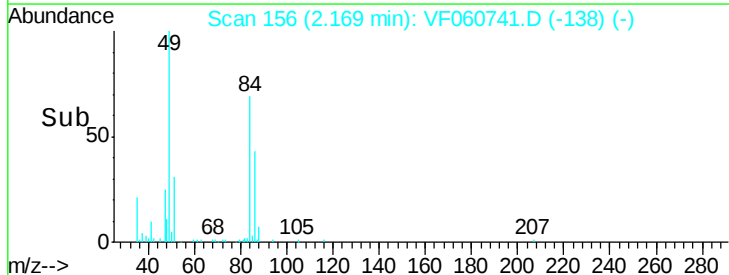
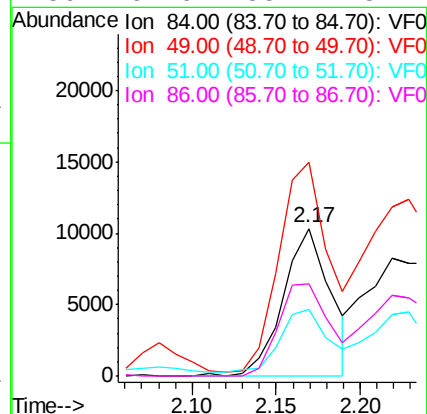
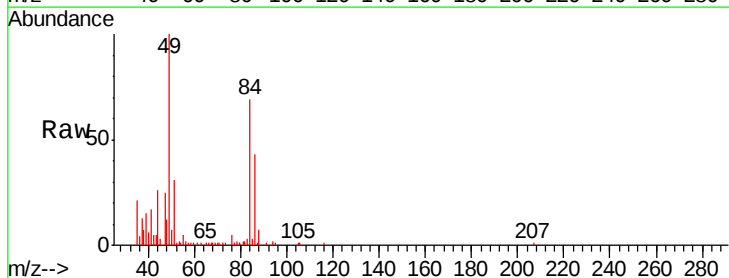
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

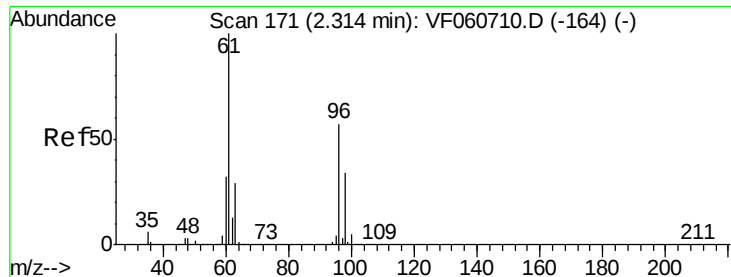
Tgt Ion: 73 Resp: 104653
Ion Ratio Lower Upper
73 100
57 19.9 14.3 21.5



#20
Methylene Chloride
Concen: 7.87 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion: 84 Resp: 20322
Ion Ratio Lower Upper
84 100
49 145.0 120.2 180.4
51 45.3 37.2 55.8
86 62.6 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 22.63 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

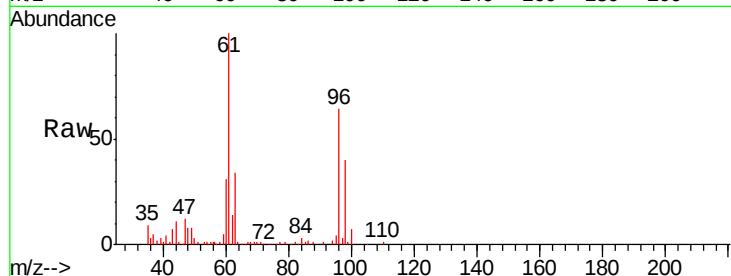
Tgt Ion: 96 Resp: 47054

Ion Ratio Lower Upper

96 100

61 155.5 141.6 212.4

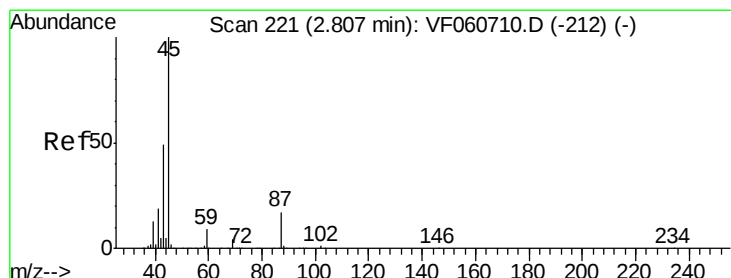
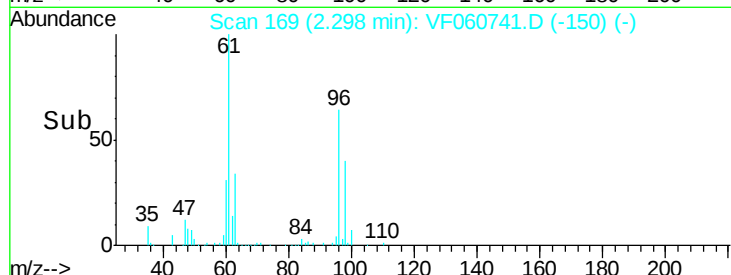
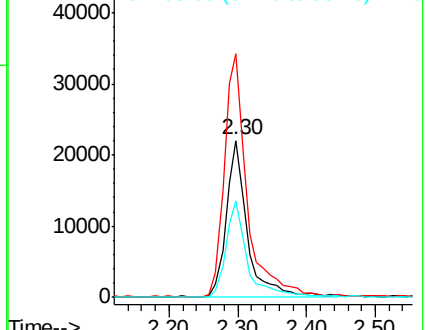
98 61.9 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.49 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Tgt Ion: 45 Resp: 151426

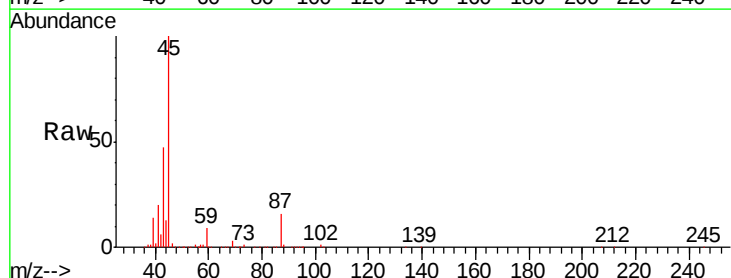
Ion Ratio Lower Upper

45 100

43 46.7 39.9 59.9

87 16.2 13.9 20.9

59 9.2 7.1 10.7

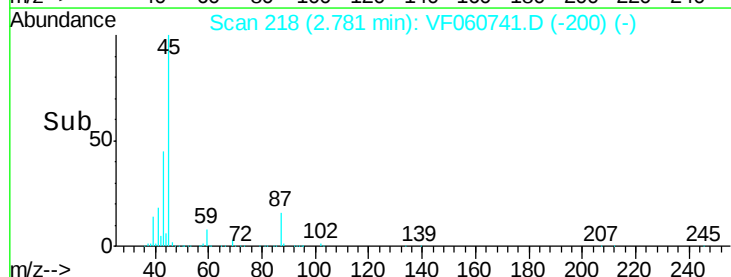
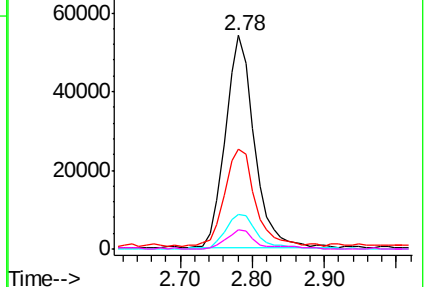


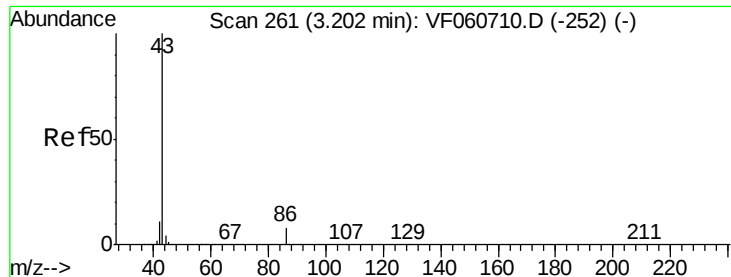
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 115.01 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

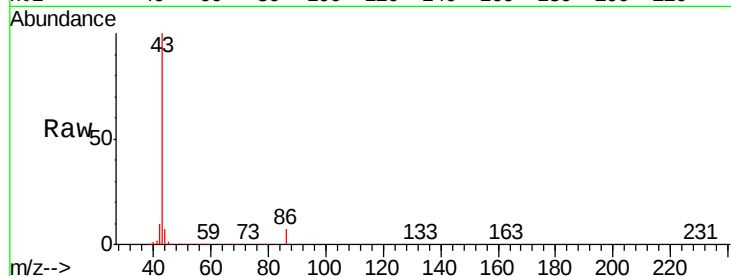
VF1115SBS01

Tgt Ion: 43 Resp: 364589

Ion Ratio Lower Upper

43 100

86 7.0 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

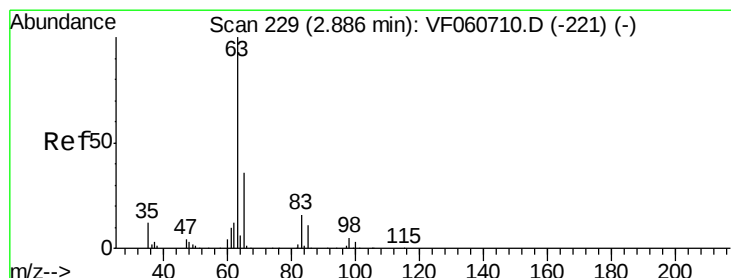
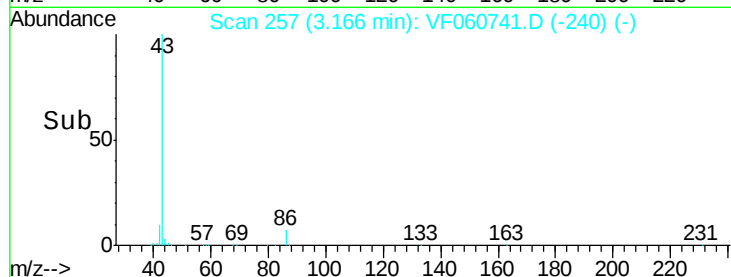
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 22.27 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

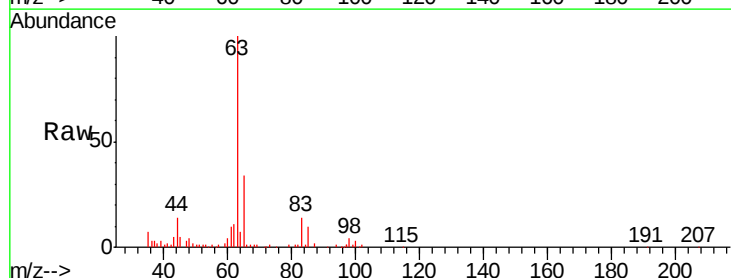
Tgt Ion: 63 Resp: 90760

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

100 2.9 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.85

40000

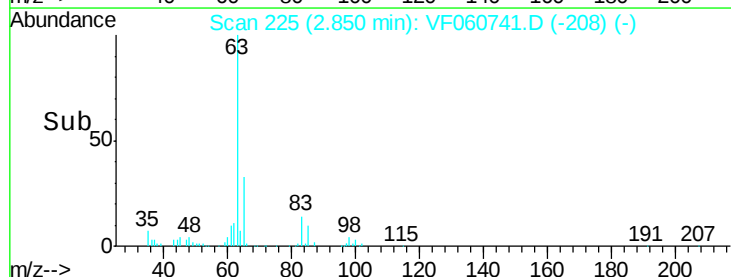
30000

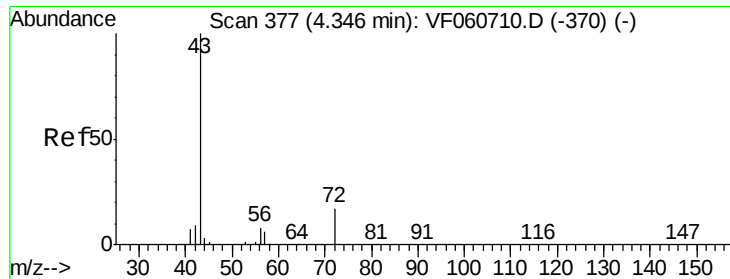
20000

10000

0

Time--> 2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 109.65 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

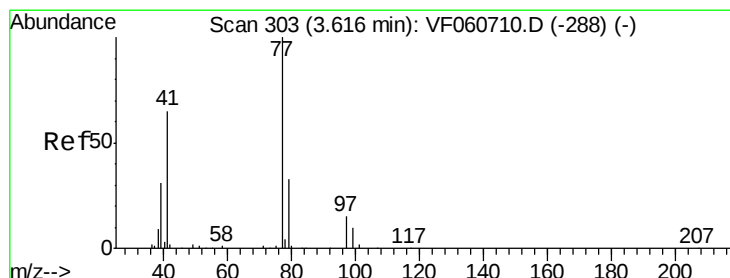
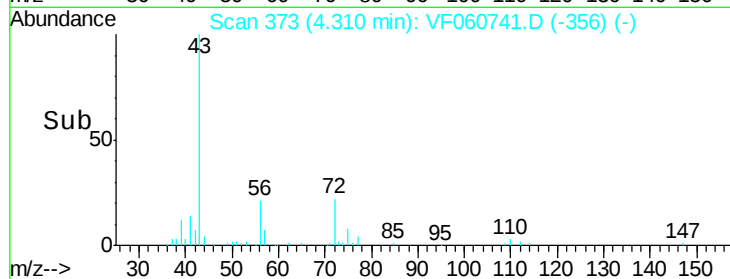
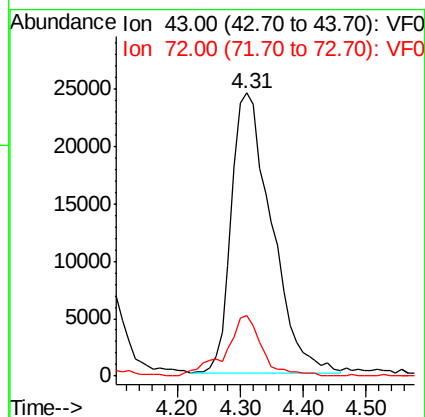
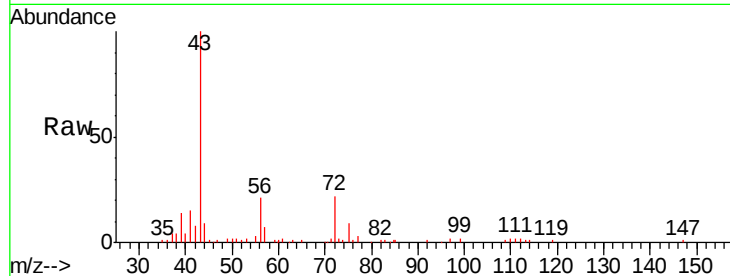
VF1115SBS01

Tgt Ion: 43 Resp: 107267

Ion Ratio Lower Upper

43 100

72 21.6 16.1 24.1



#26

2,2-Dichloropropane

Concen: 19.78 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF060741.D

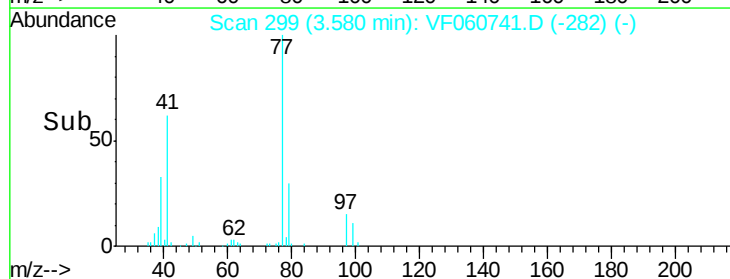
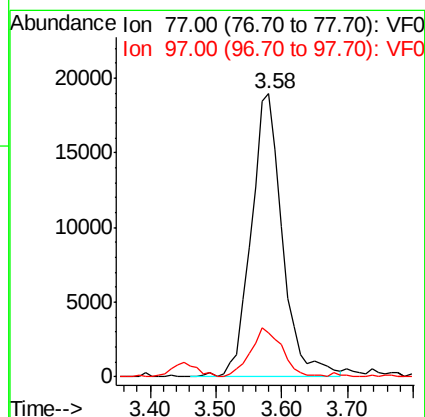
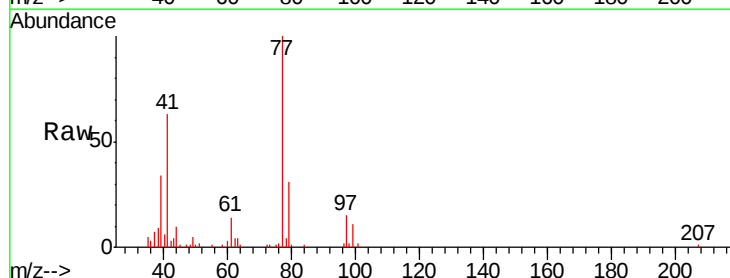
Acq: 15 Nov 2018 12:03

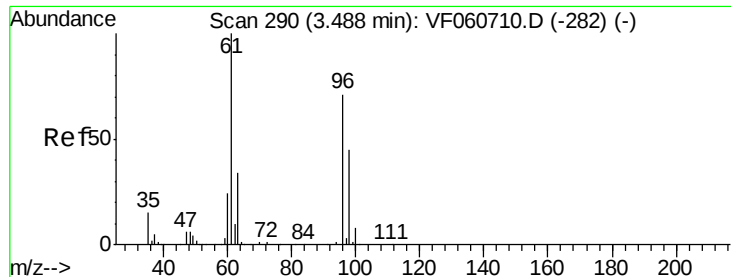
Tgt Ion: 77 Resp: 63447

Ion Ratio Lower Upper

77 100

97 15.5 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 21.86 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

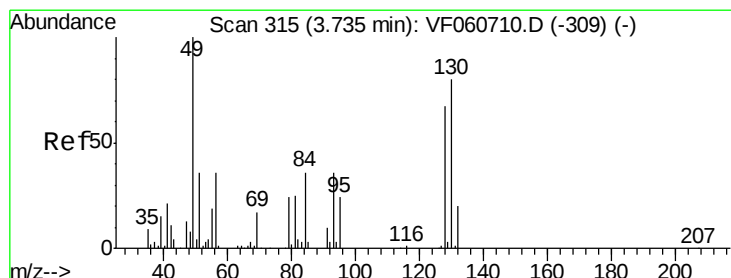
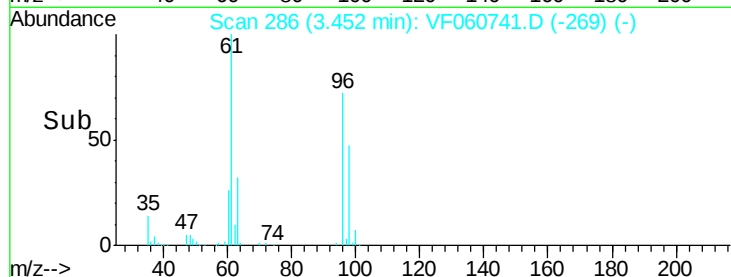
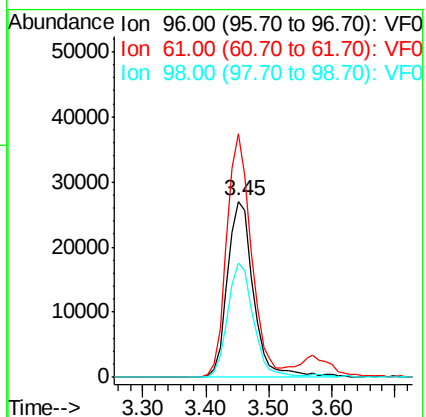
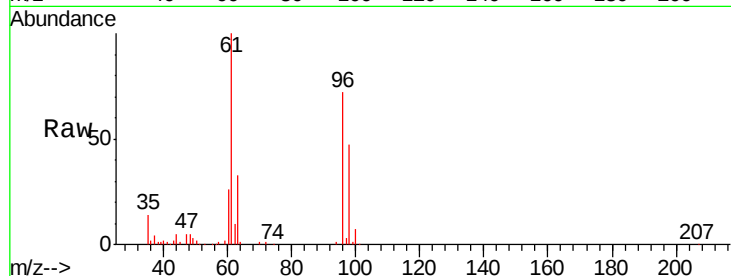
Tgt Ion: 96 Resp: 77343

Ion Ratio Lower Upper

96 100

61 138.5 0.0 280.6

98 65.1 0.0 127.6



#28

Bromochloromethane

Concen: 21.56 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.05 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

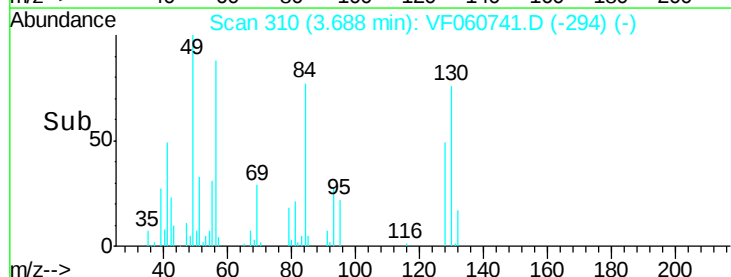
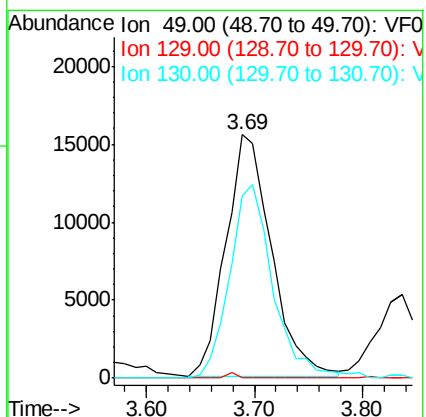
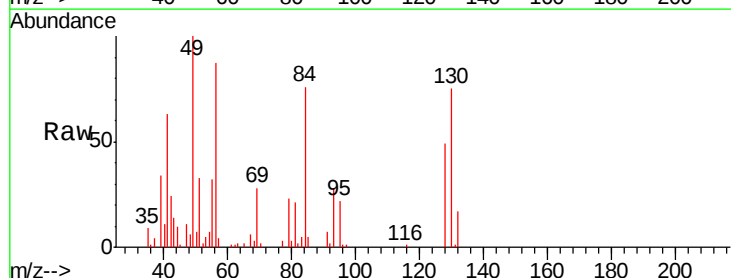
Tgt Ion: 49 Resp: 45669

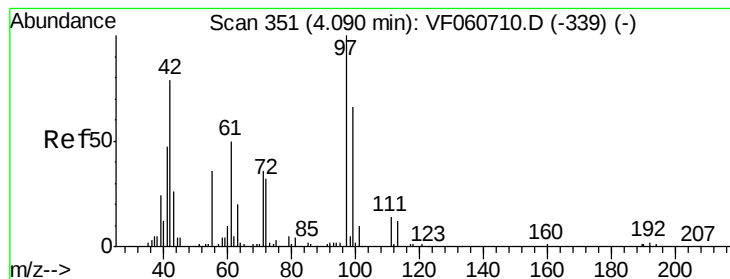
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 75.1 63.9 95.9





#29

Tetrahydrofuran

Concen: 106.51 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

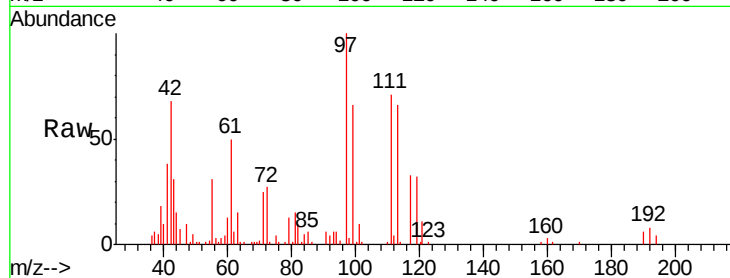
Tgt Ion: 42 Resp: 42979

Ion Ratio Lower Upper

42 100

72 38.3 30.3 45.5

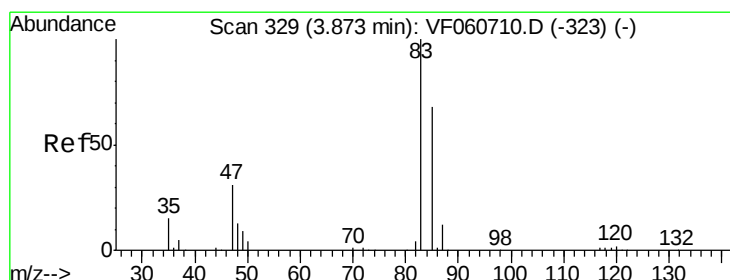
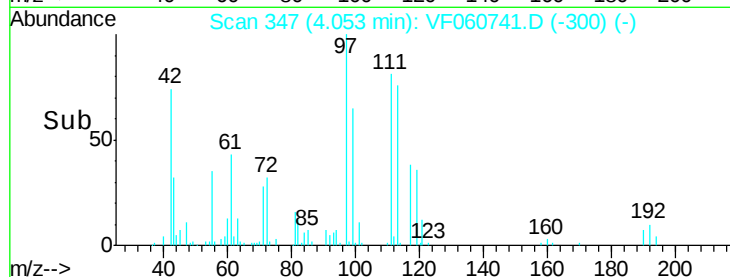
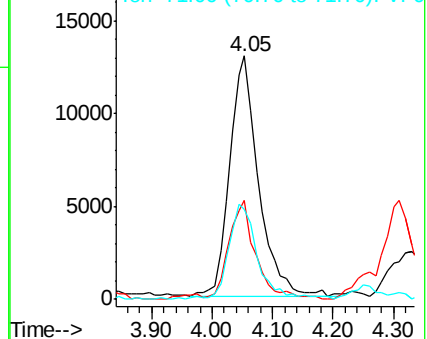
71 39.8 32.2 48.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 23.30 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.04 min

Lab File: VF060741.D

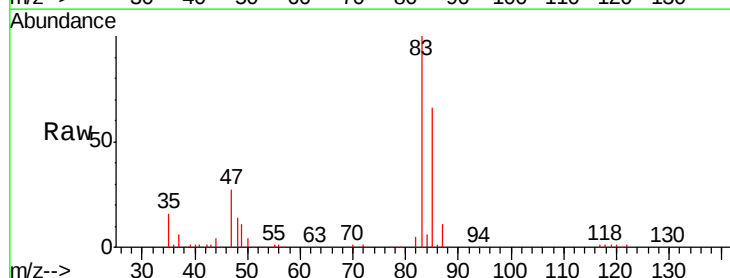
Acq: 15 Nov 2018 12:03

Tgt Ion: 83 Resp: 152386

Ion Ratio Lower Upper

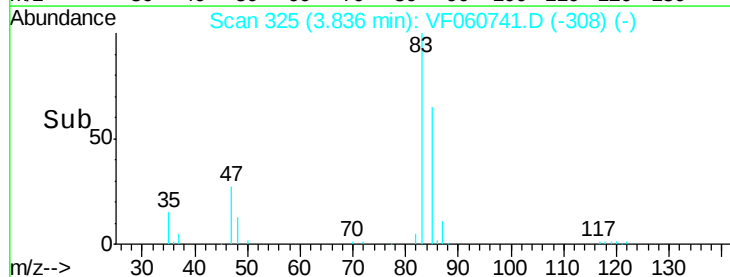
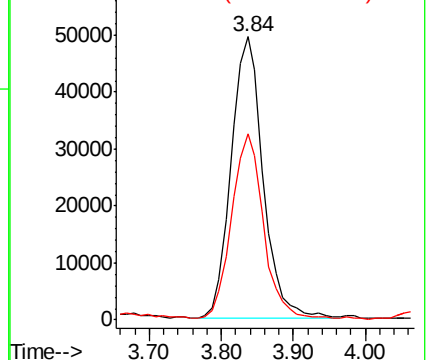
83 100

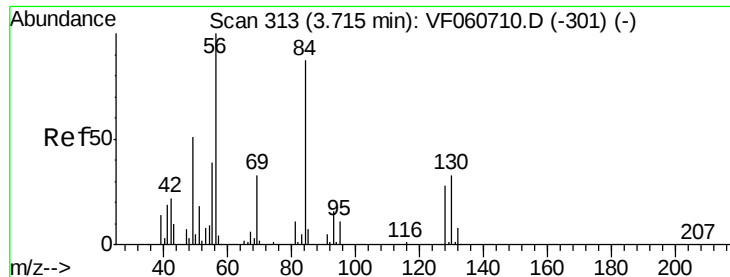
85 65.7 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 14.15 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.06 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

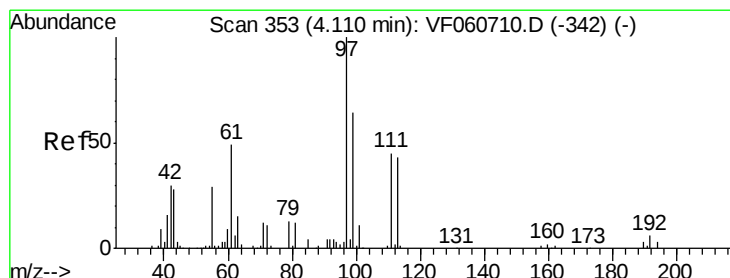
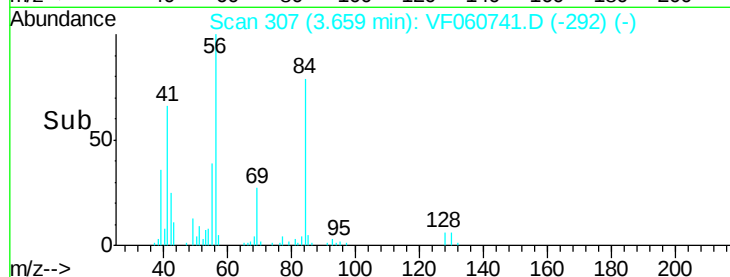
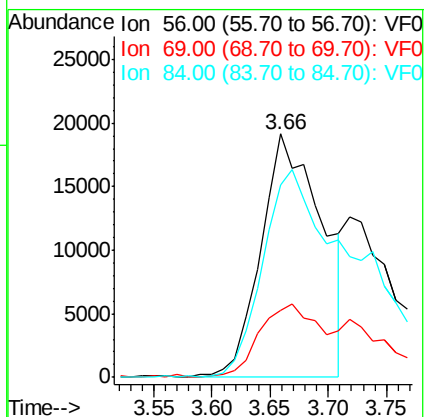
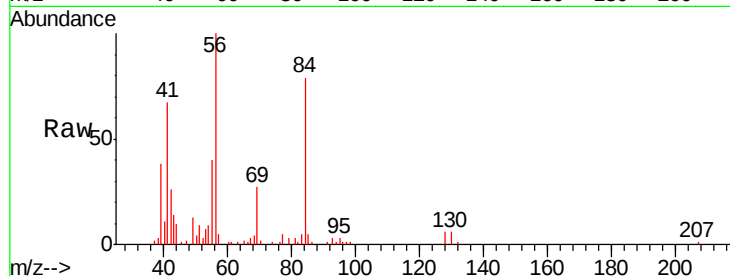
Tgt Ion: 56 Resp: 69985

Ion Ratio Lower Upper

56 100

69 27.5 26.0 39.0

84 79.1 69.4 104.2



#32

1,1,1-Trichloroethane

Concen: 19.82 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

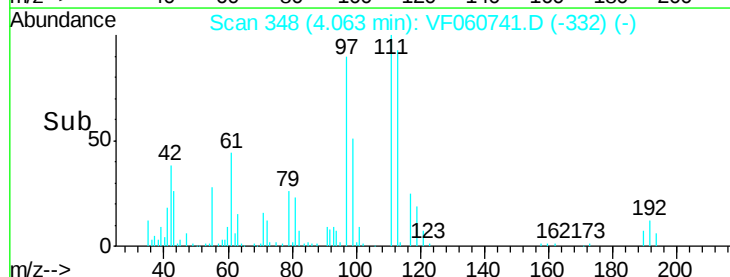
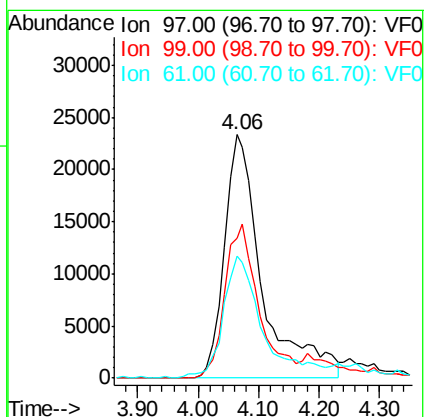
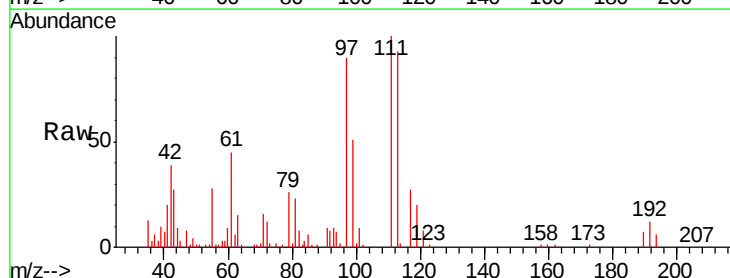
Tgt Ion: 97 Resp: 102078

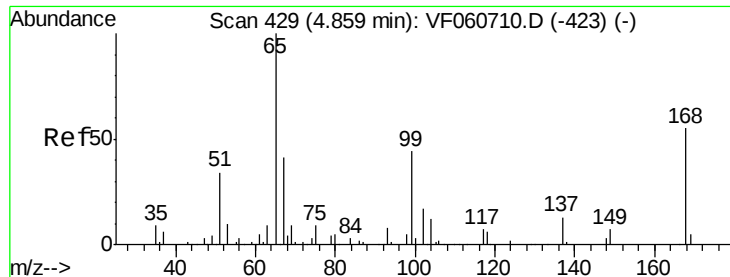
Ion Ratio Lower Upper

97 100

99 57.3 51.1 76.7

61 50.1 40.1 60.1

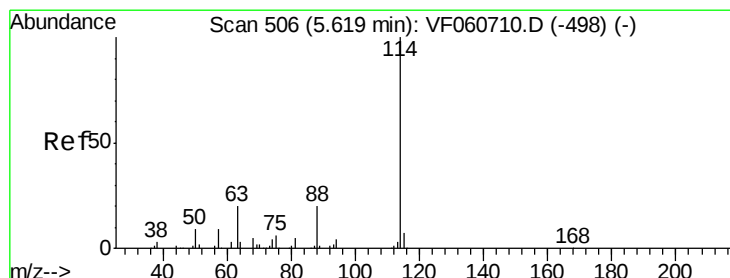
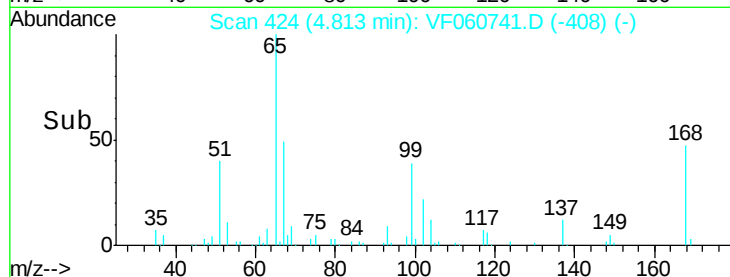
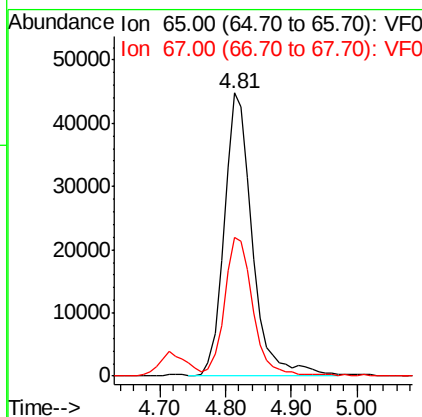
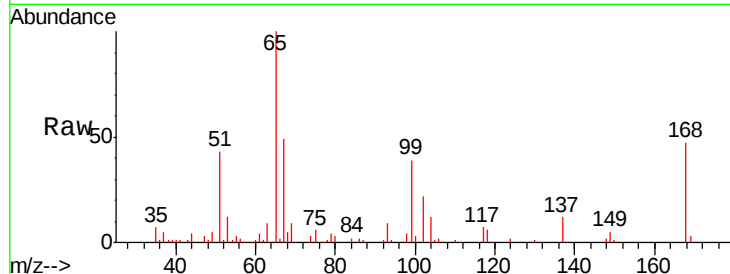




#33
 1,2-Dichloroethane-d4
 Concen: 47.62 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.05 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

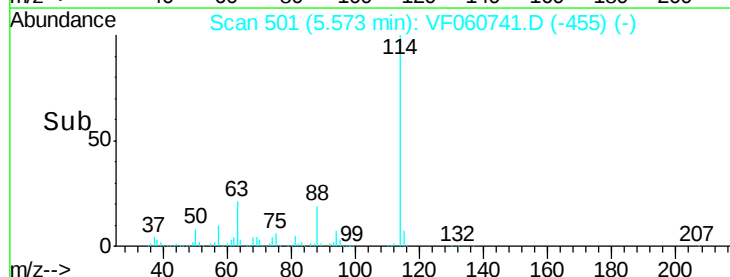
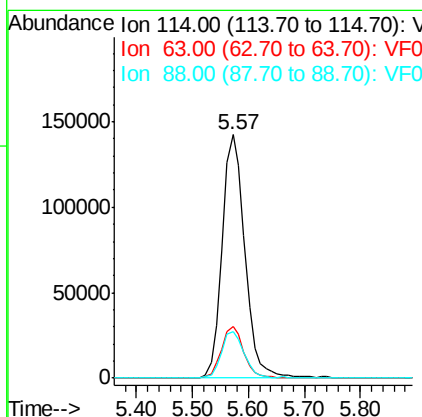
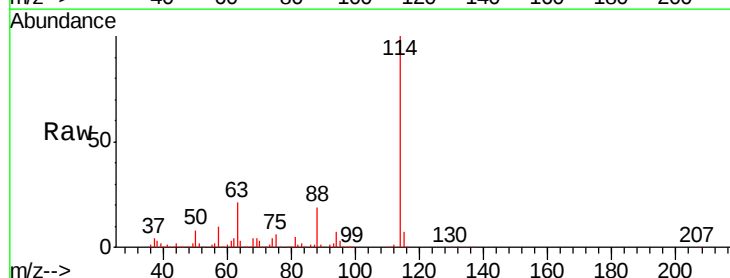
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

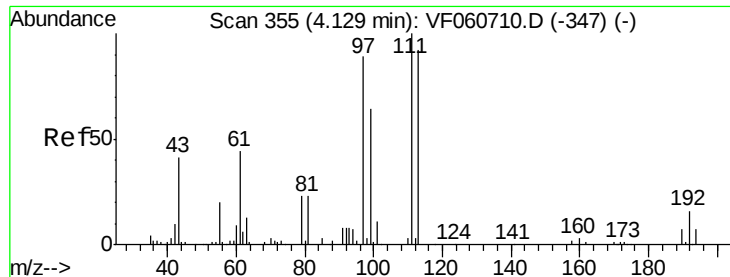
Tgt Ion: 65 Resp: 132499
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.05 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion: 114 Resp: 403552
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 19.2 0.0 39.6

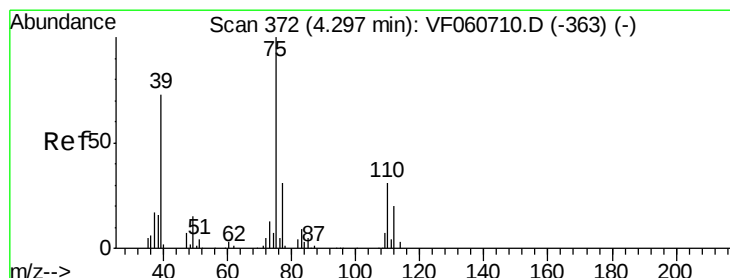
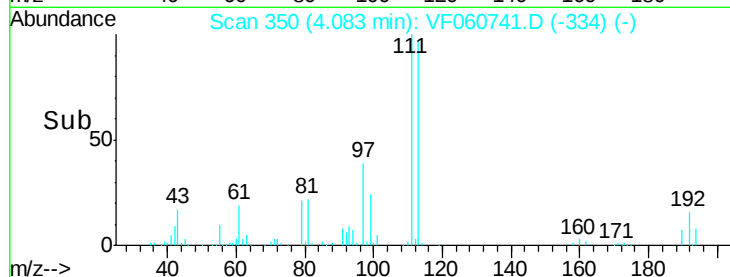
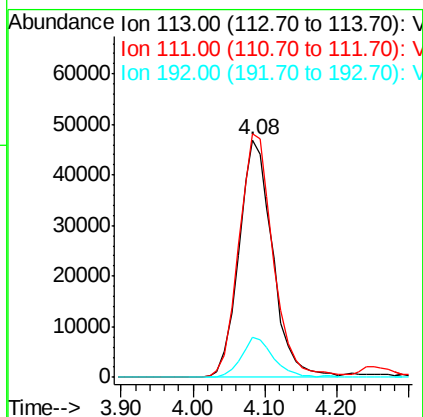
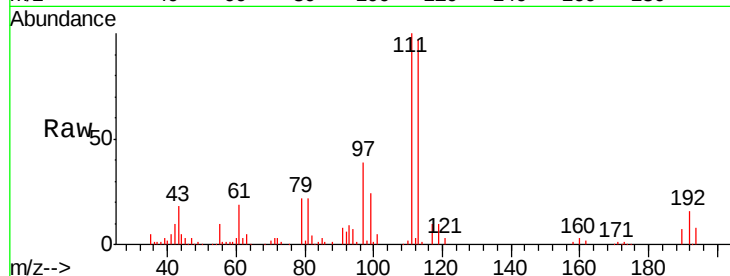




#35
Dibromofluoromethane
Concen: 50.15 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

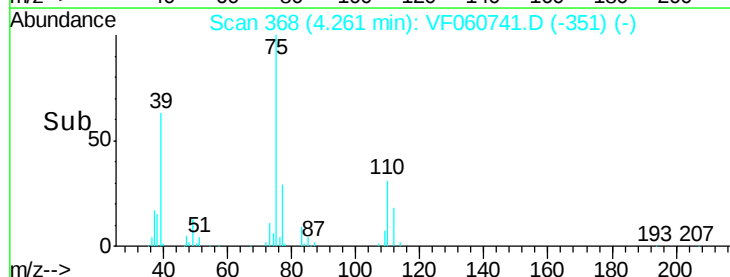
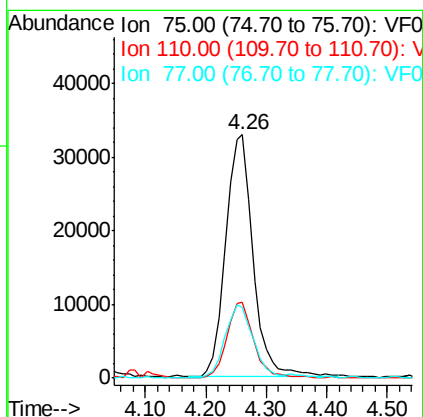
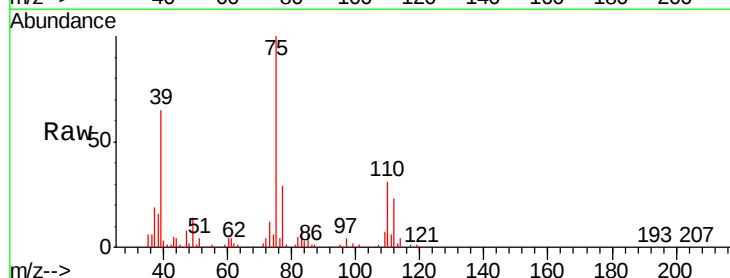
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

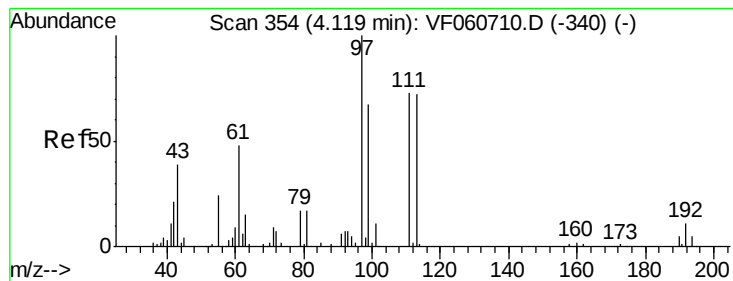
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	87.1	130.7
192	16.8	13.8	20.6



#36
1,1-Dichloropropene
Concen: 22.17 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.6	46.8
77	29.2	25.0	37.6





#37

Ethyl Acetate

Concen: 22.83 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

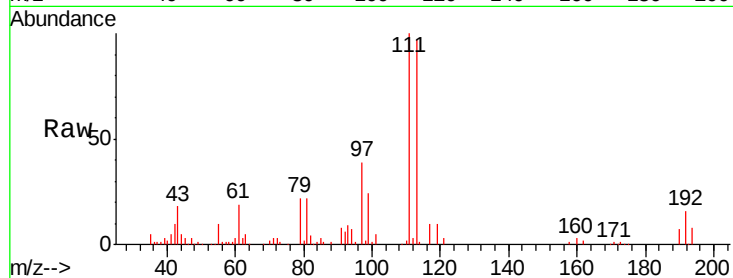
Tgt Ion: 43 Resp: 39720

Ion Ratio Lower Upper

43 100

61 105.9 98.5 147.7

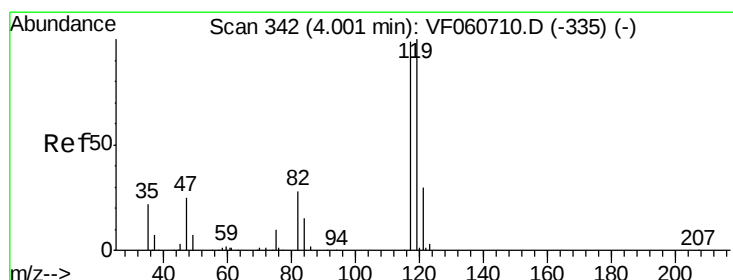
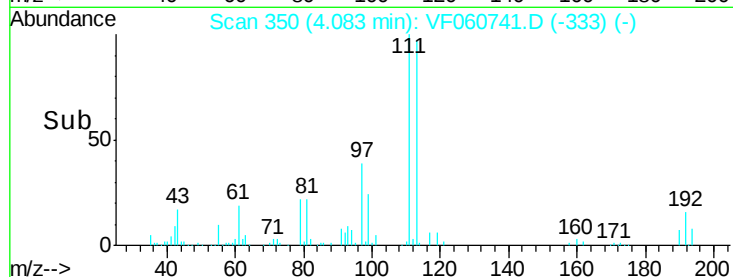
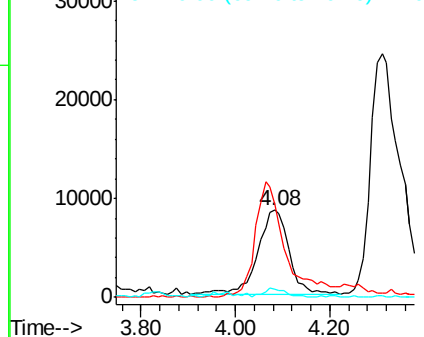
70 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.11 ug/l

RT: 3.96 min Scan# 338

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

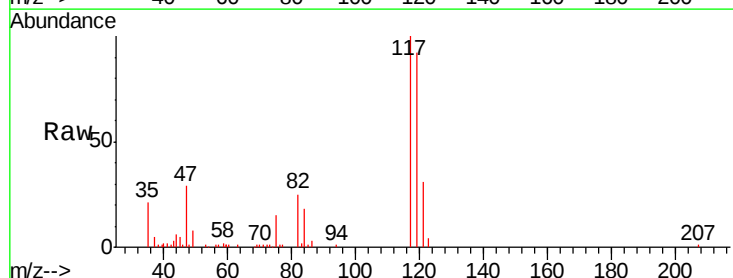
Tgt Ion: 117 Resp: 86770

Ion Ratio Lower Upper

117 100

119 91.8 80.7 121.1

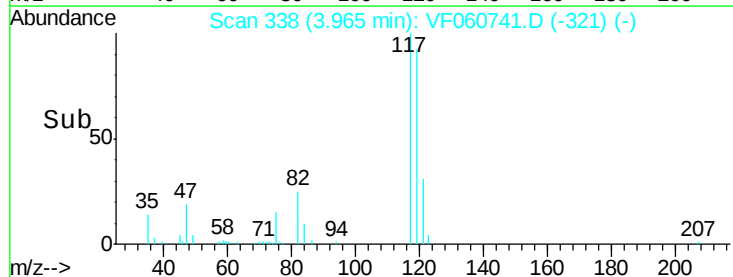
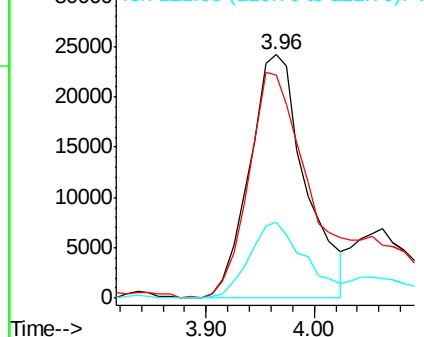
121 31.4 24.3 36.5

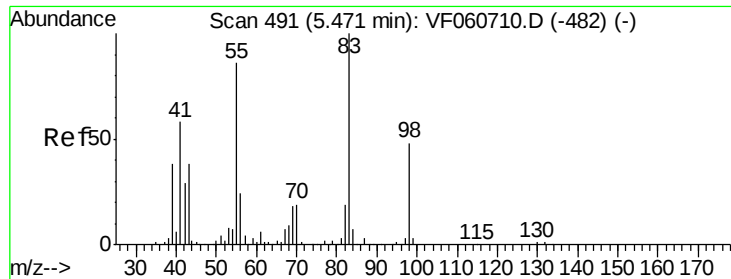


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

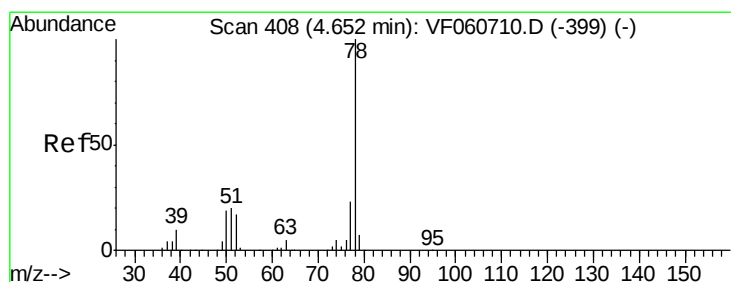
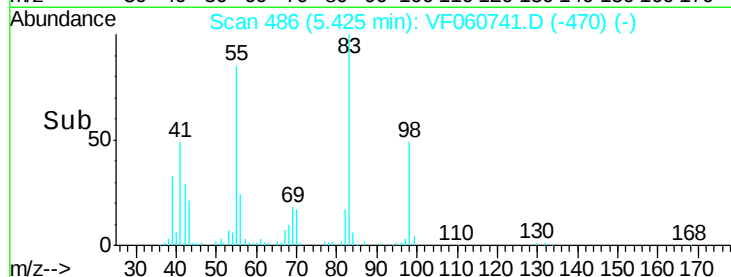
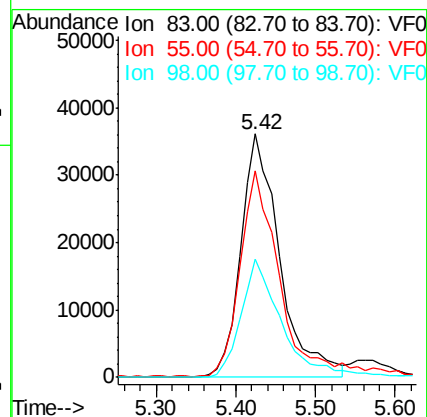
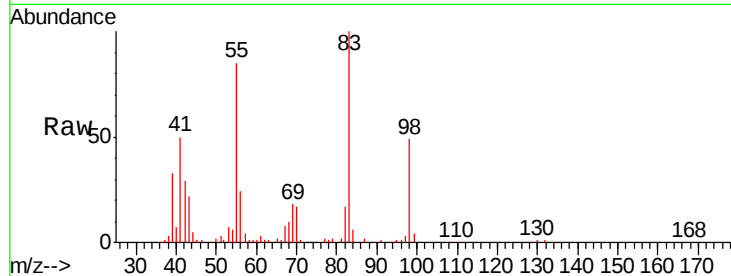




#39
Methylcyclohexane
Concen: 22.50 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

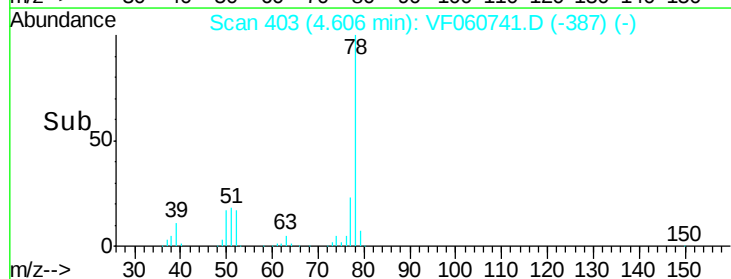
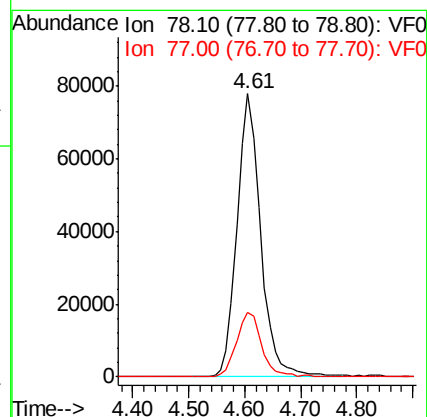
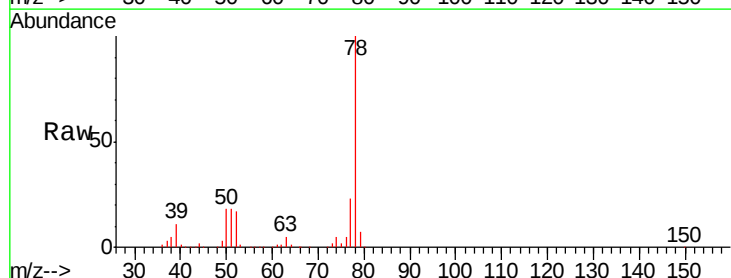
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

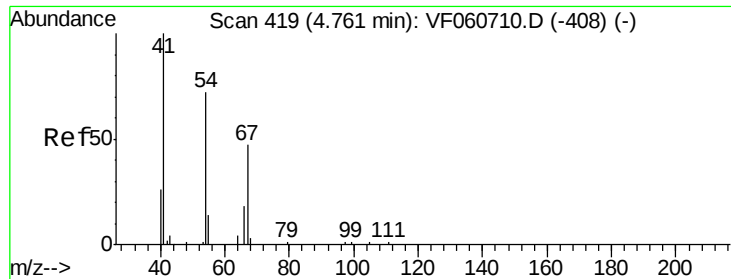
Tgt Ion: 83 Resp: 122186
Ion Ratio Lower Upper
83 100
55 85.0 69.0 103.4
98 48.8 38.5 57.7



#40
Benzene
Concen: 21.96 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion: 78 Resp: 229094
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0

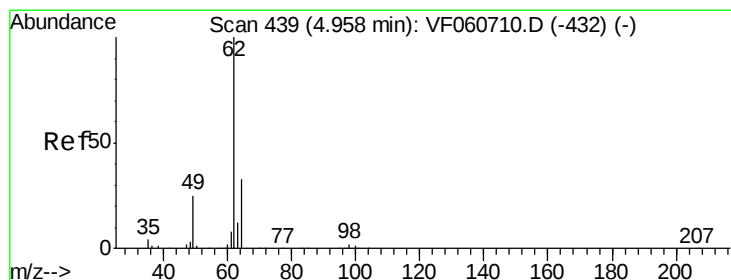
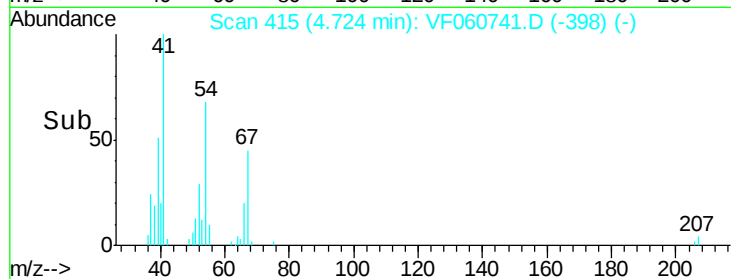
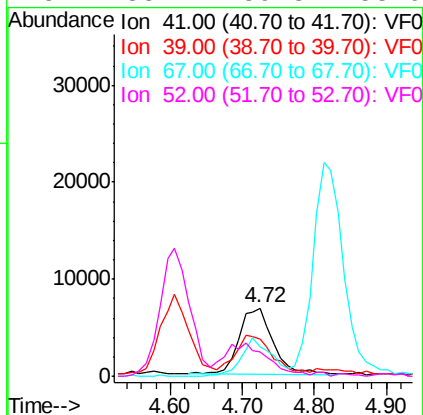
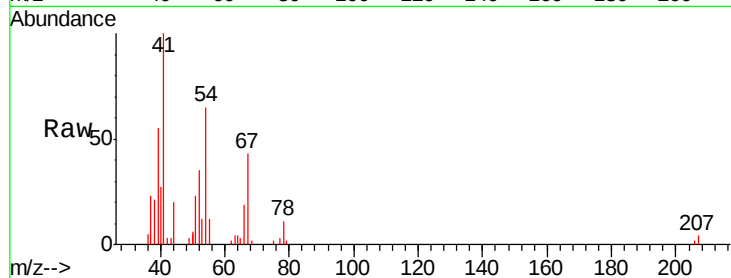




#41
Methacrylonitrile
Concen: 22.24 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

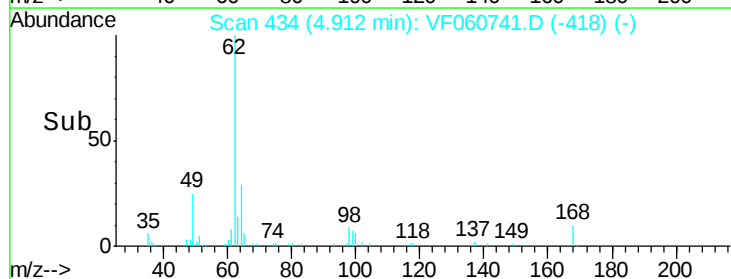
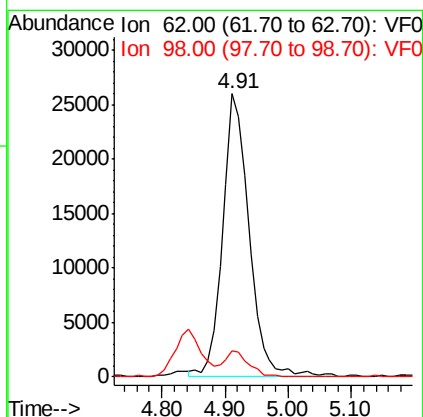
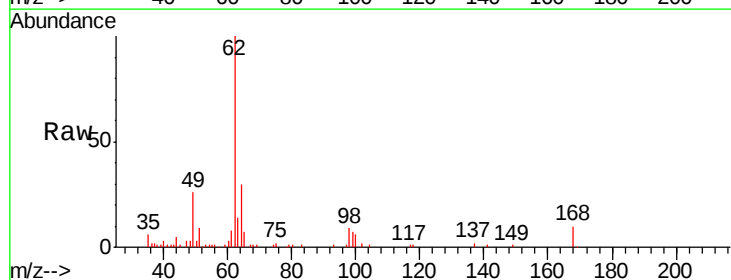
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

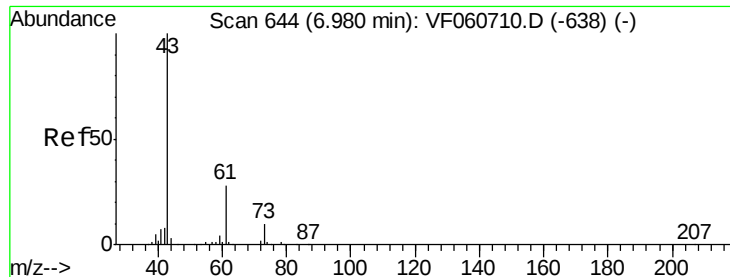
Tgt Ion: 41 Resp: 22866
Ion Ratio Lower Upper
41 100
39 54.7 47.1 70.7
67 43.4 37.1 55.7
52 35.2 39.3 58.9#



#42
1,2-Dichloroethane
Concen: 21.05 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion: 62 Resp: 75893
Ion Ratio Lower Upper
62 100
98 9.1 0.0 16.6





#43

Isopropyl Acetate

Concen: 21.16 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.05 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

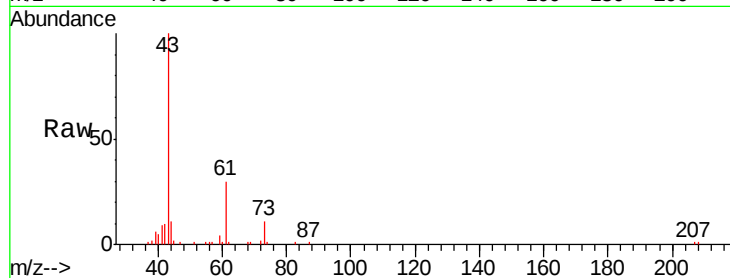
Tgt Ion: 43 Resp: 48820

Ion Ratio Lower Upper

43 100

61 30.3 22.2 33.4

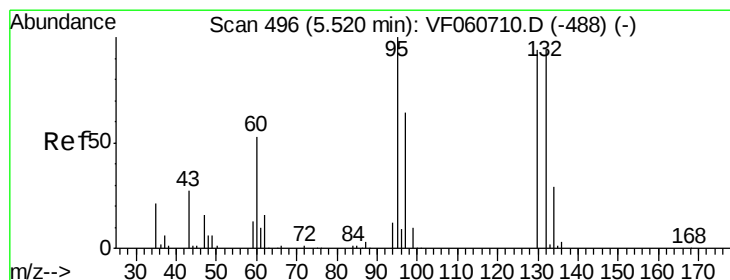
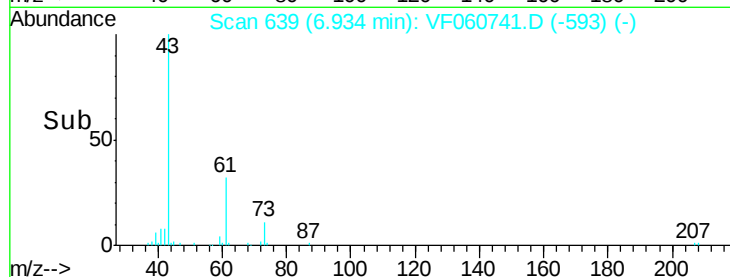
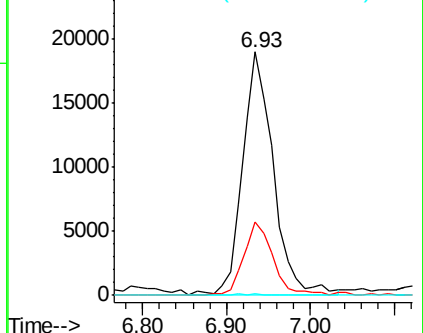
87 0.7 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.02 ug/l

RT: 5.47 min Scan# 491

Delta R.T. -0.05 min

Lab File: VF060741.D

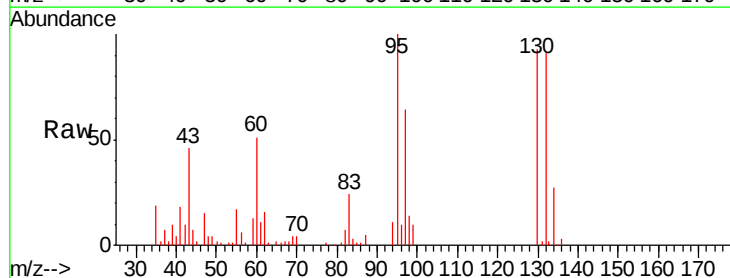
Acq: 15 Nov 2018 12:03

Tgt Ion: 130 Resp: 72485

Ion Ratio Lower Upper

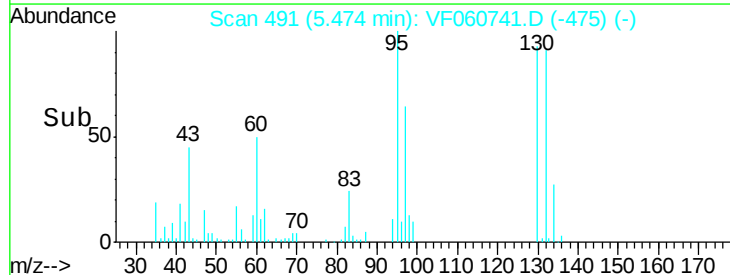
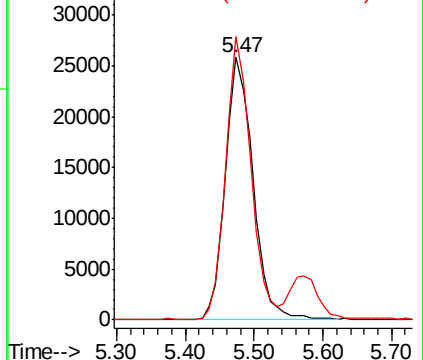
130 100

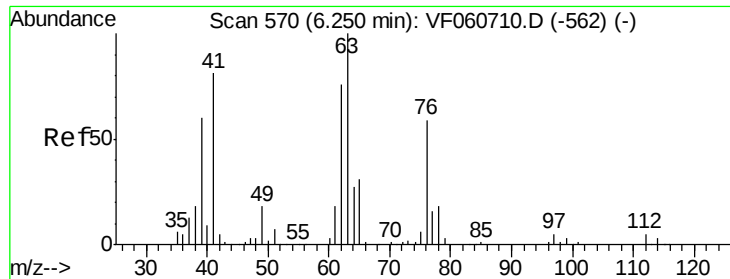
95 107.8 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.97 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

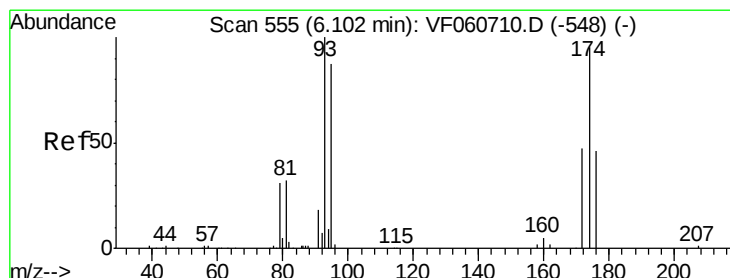
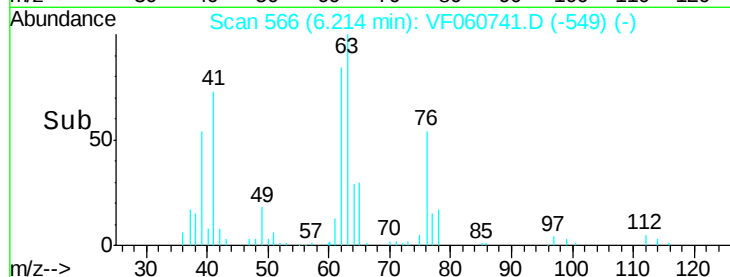
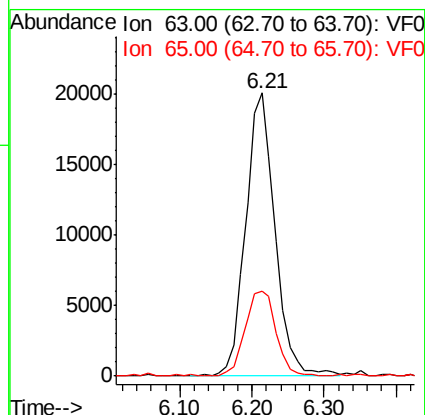
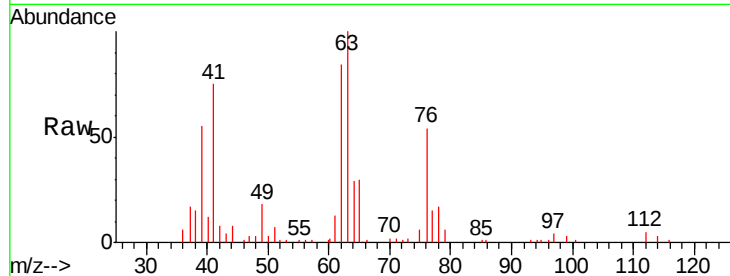
VF1115SBS01

Tgt Ion: 63 Resp: 56941

Ion Ratio Lower Upper

63 100

65 30.0 24.6 36.8



#46

Dibromomethane

Concen: 21.05 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

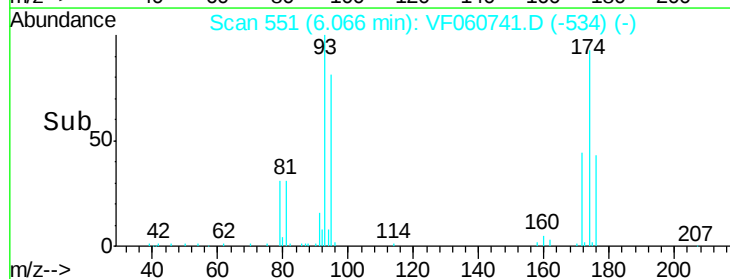
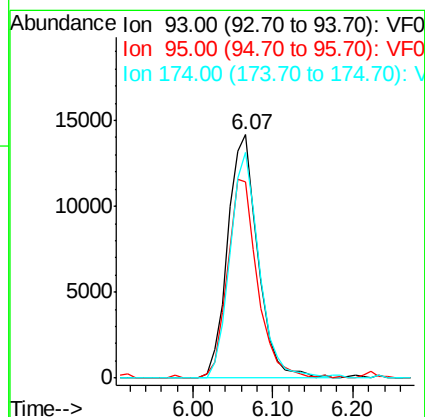
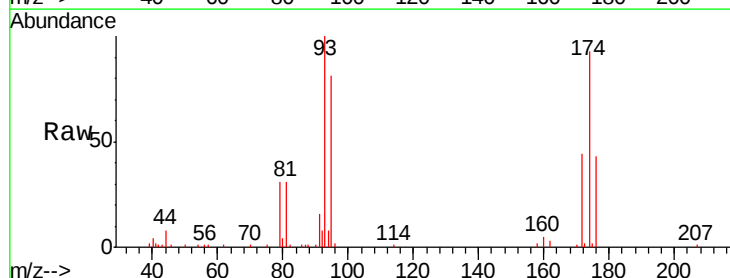
Tgt Ion: 93 Resp: 37715

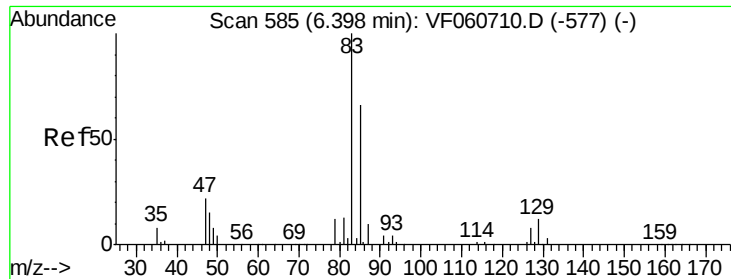
Ion Ratio Lower Upper

93 100

95 80.8 69.5 104.3

174 94.3 76.2 114.2





#47

Bromodichloromethane

Concen: 21.57 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

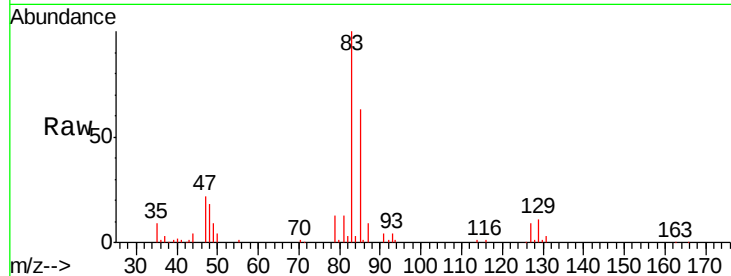
Tgt Ion: 83 Resp: 98717

Ion Ratio Lower Upper

83 100

85 63.4 52.4 78.6

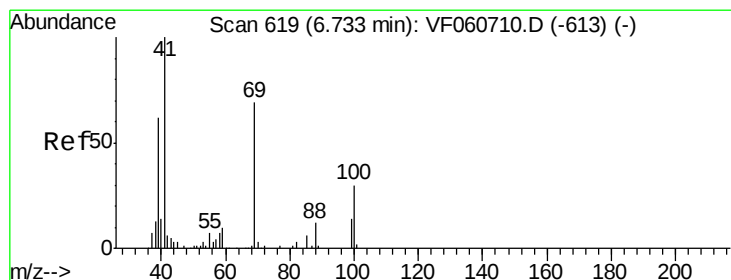
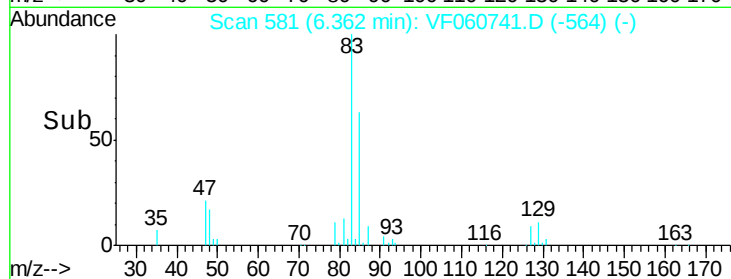
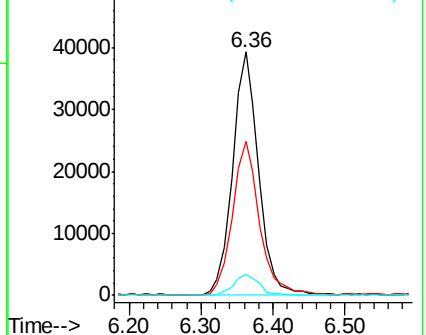
127 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.45 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

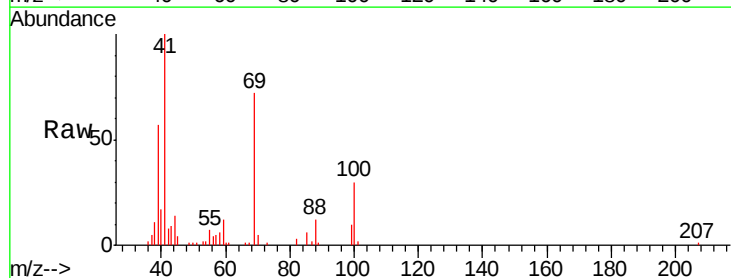
Tgt Ion: 41 Resp: 31231

Ion Ratio Lower Upper

41 100

69 71.9 54.9 82.3

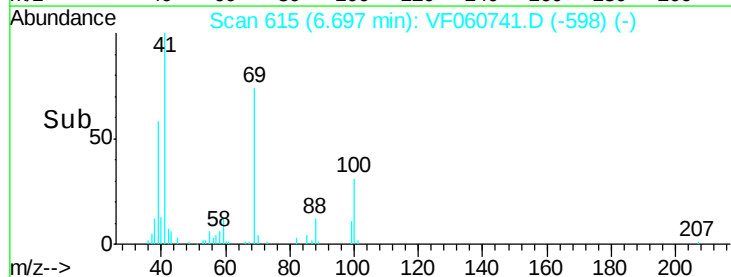
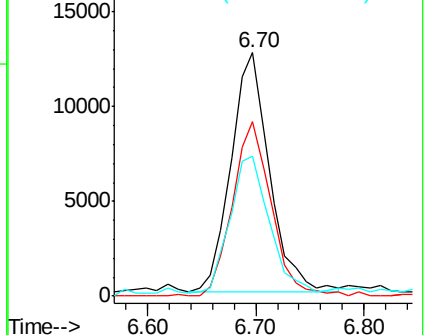
39 57.4 49.6 74.4

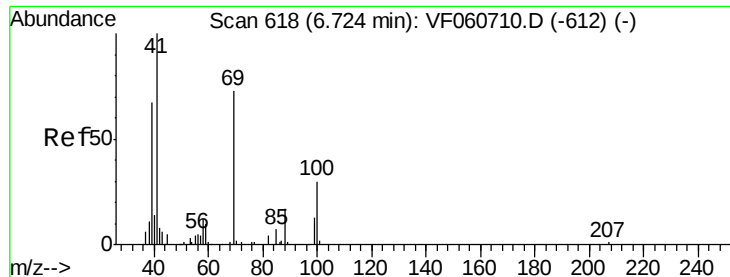


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 397.49 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.05 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

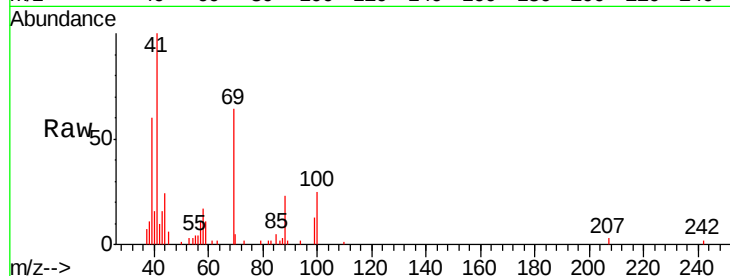
Tgt Ion: 88 Resp: 5676

Ion Ratio Lower Upper

88 100

43 70.6 44.6 66.8#

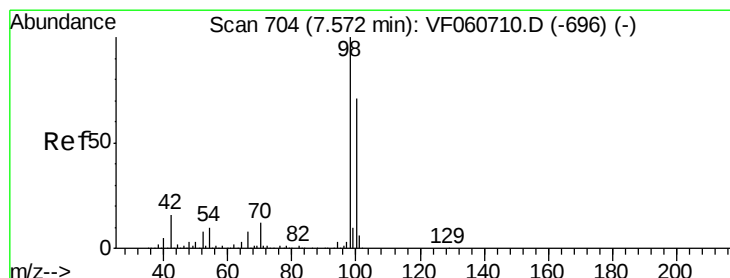
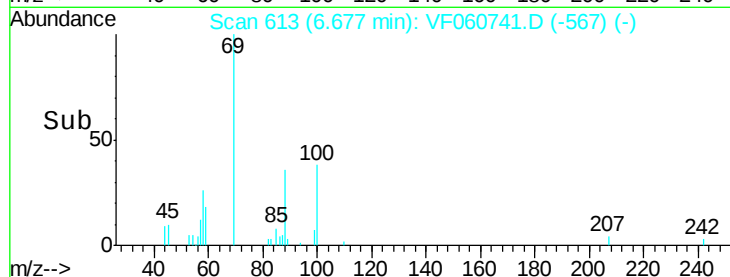
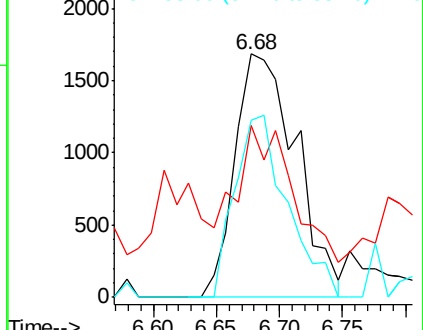
58 72.6 54.5 81.7



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.23 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.05 min

Lab File: VF060741.D

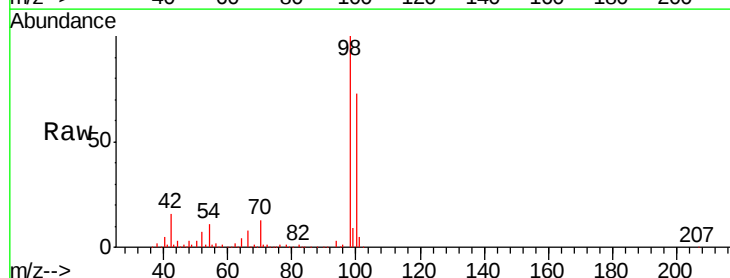
Acq: 15 Nov 2018 12:03

Tgt Ion: 98 Resp: 412527

Ion Ratio Lower Upper

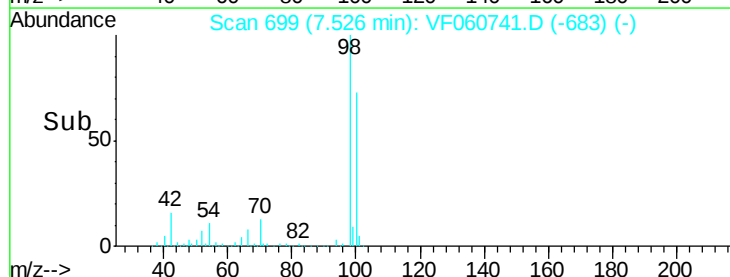
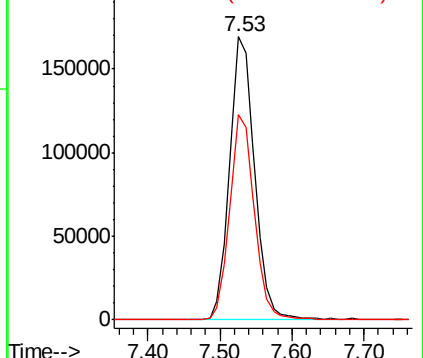
98 100

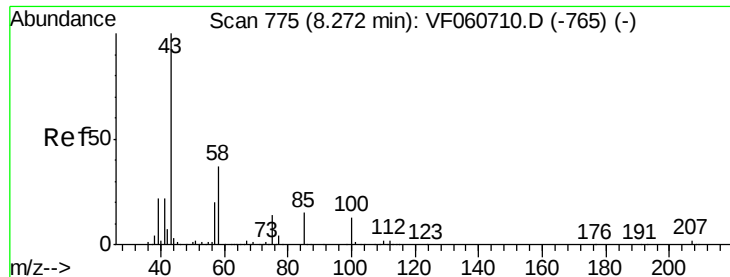
100 72.6 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 106.20 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

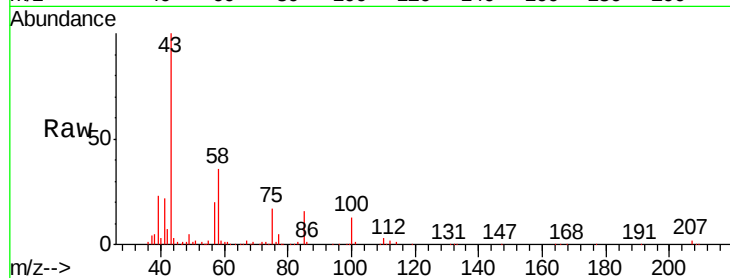
VF1115SBS01

Tgt Ion: 43 Resp: 177206

Ion Ratio Lower Upper

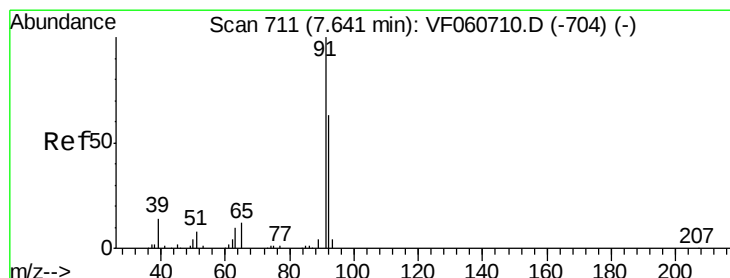
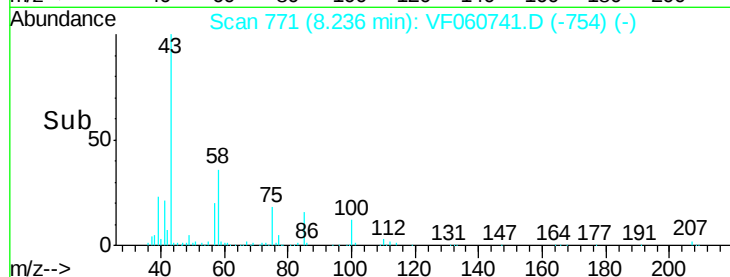
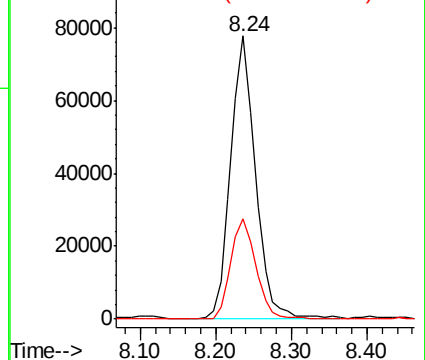
43 100

58 35.6 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.04 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060741.D

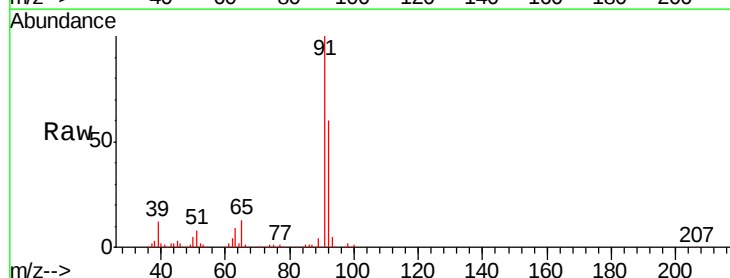
Acq: 15 Nov 2018 12:03

Tgt Ion: 92 Resp: 140109

Ion Ratio Lower Upper

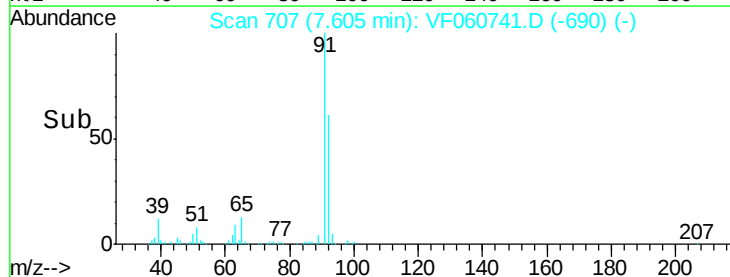
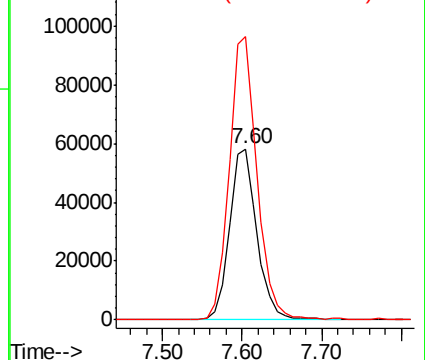
92 100

91 165.4 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.15 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

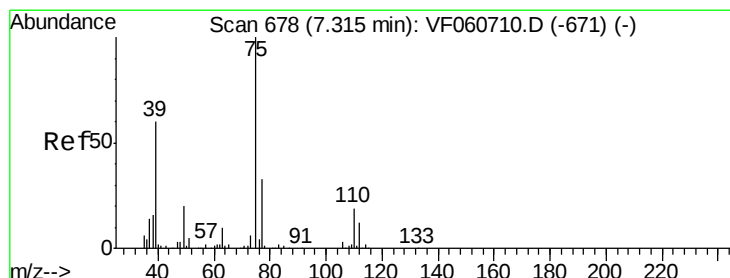
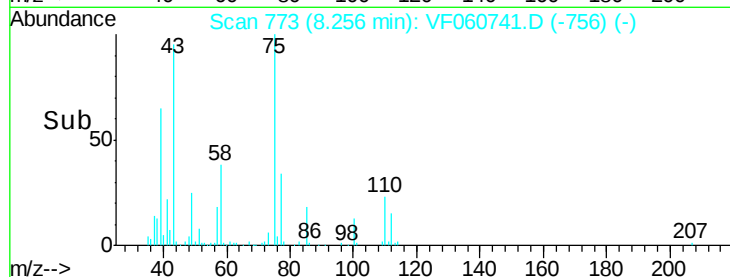
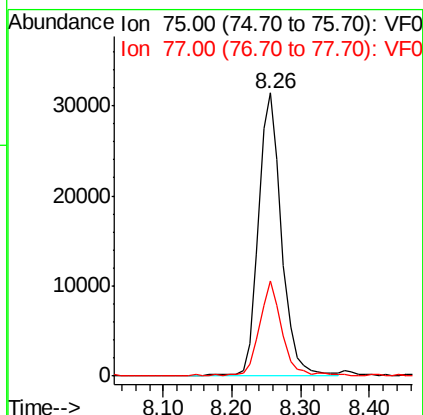
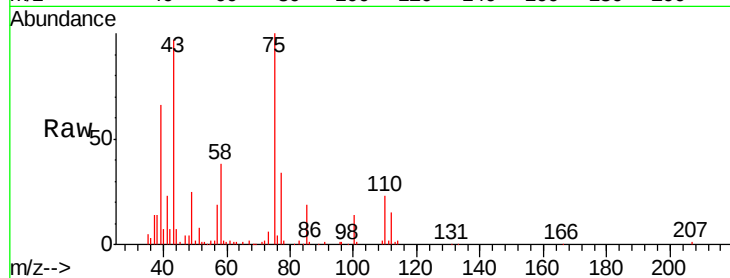
VF1115SBS01

Tgt Ion: 75 Resp: 73867

Ion Ratio Lower Upper

75 100

77 33.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 21.13 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

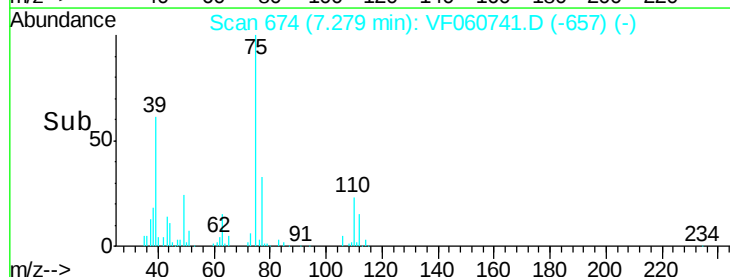
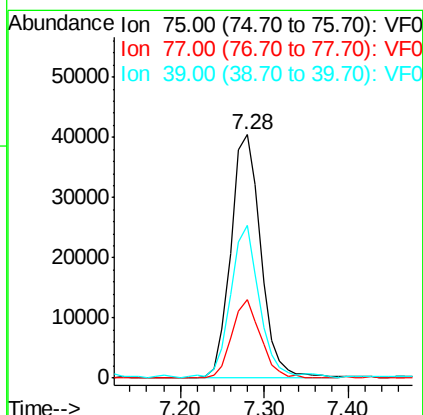
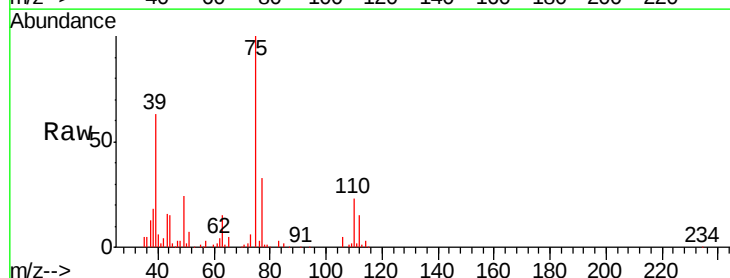
Tgt Ion: 75 Resp: 100618

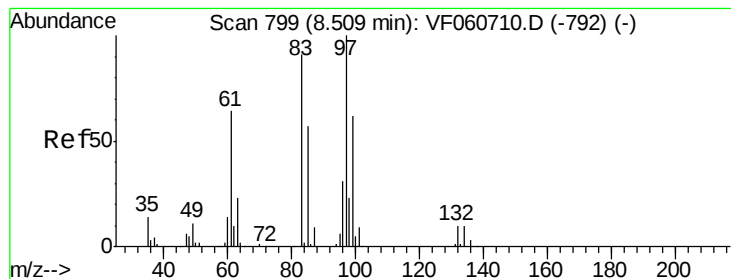
Ion Ratio Lower Upper

75 100

77 32.5 26.5 39.7

39 62.6 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 20.56 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 97 Resp: 41063

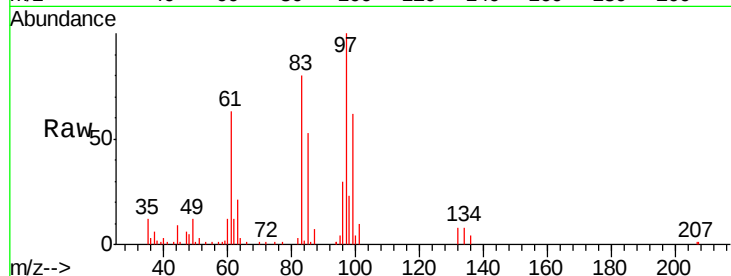
Ion Ratio Lower Upper

97 100

83 80.3 72.8 109.2

85 53.5 45.8 68.6

99 62.0 49.4 74.0

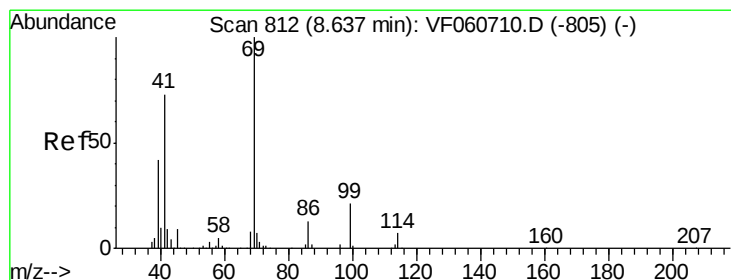
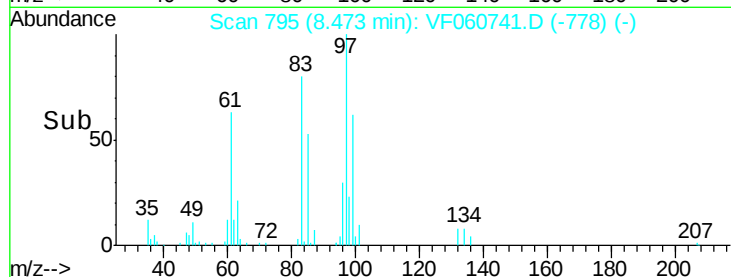
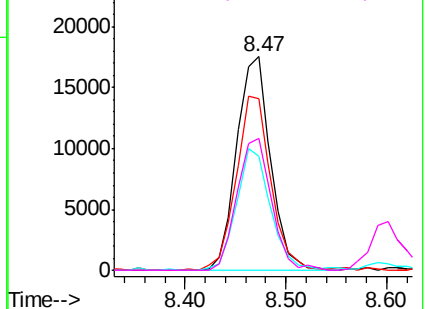


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.84 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

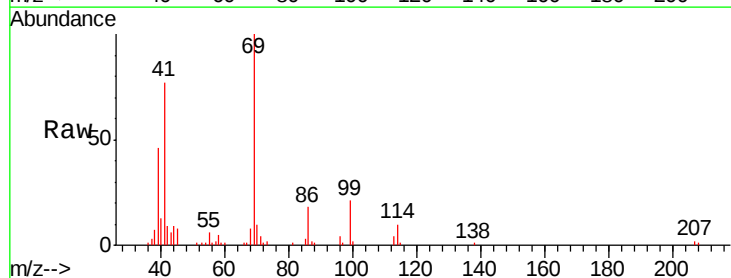
Tgt Ion: 69 Resp: 45010

Ion Ratio Lower Upper

69 100

41 77.1 59.0 88.6

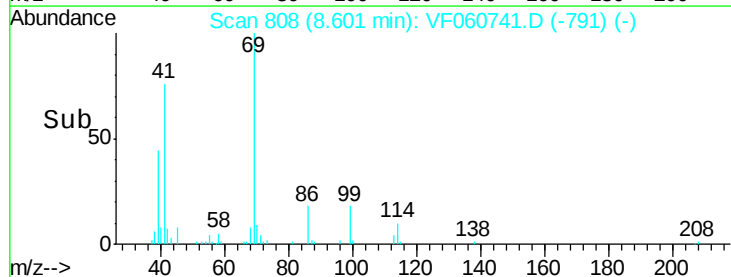
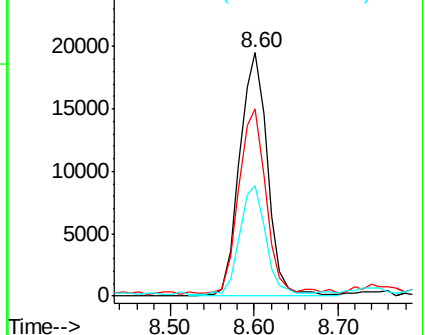
39 45.6 34.0 51.0

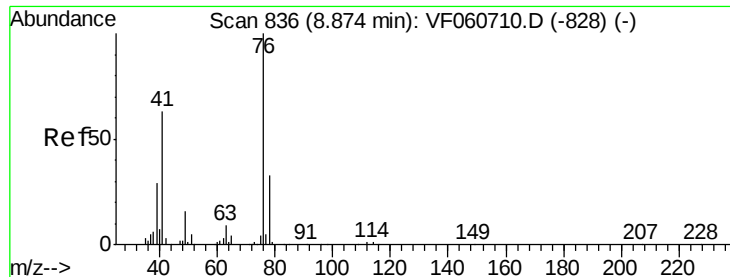


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

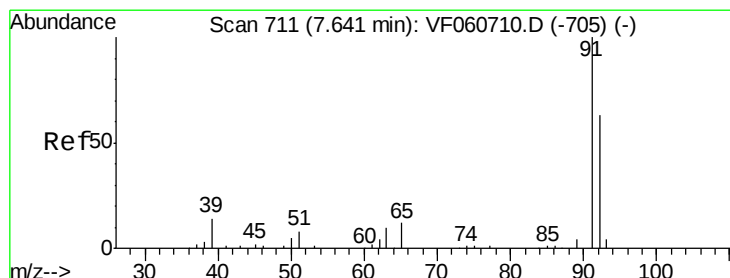
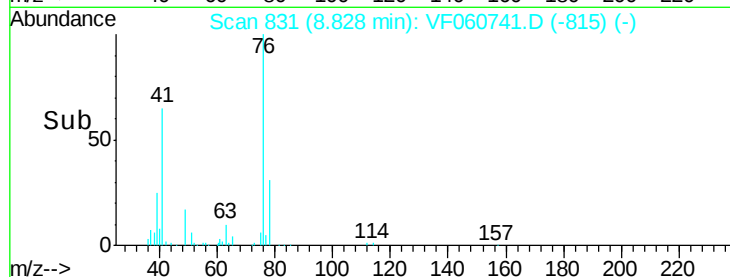
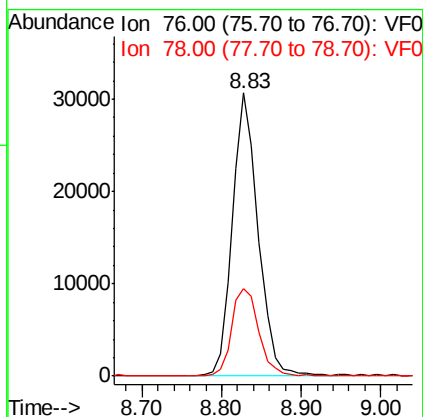
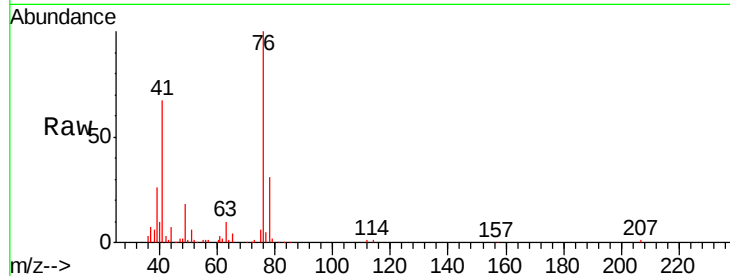




#57
 1,3-Dichloropropane
 Concen: 20.01 ug/l
 RT: 8.83 min Scan# 831
 Delta R.T. -0.05 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

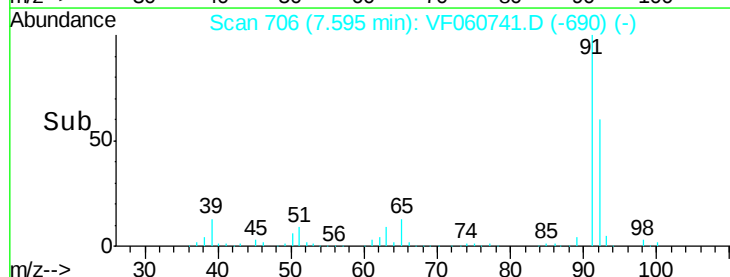
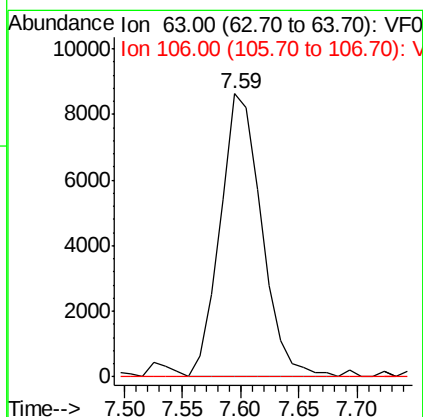
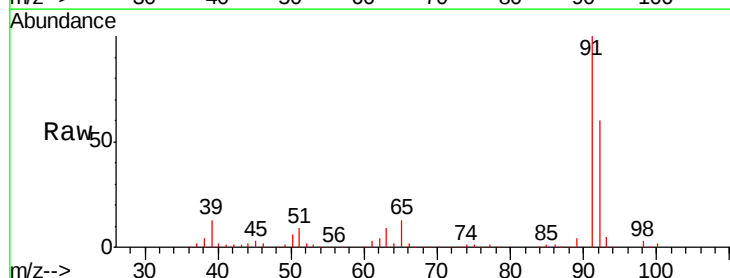
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

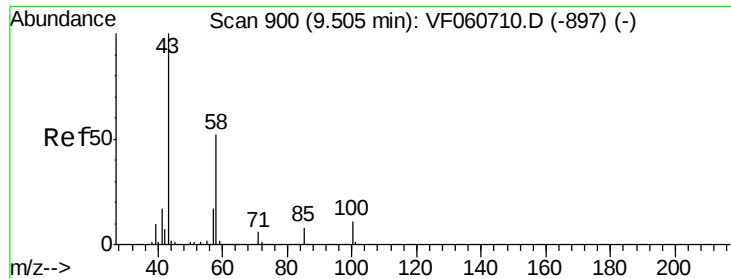
Tgt Ion: 76 Resp: 69289
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.58 ug/l
 RT: 7.59 min Scan# 706
 Delta R.T. -0.05 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion: 63 Resp: 21259
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

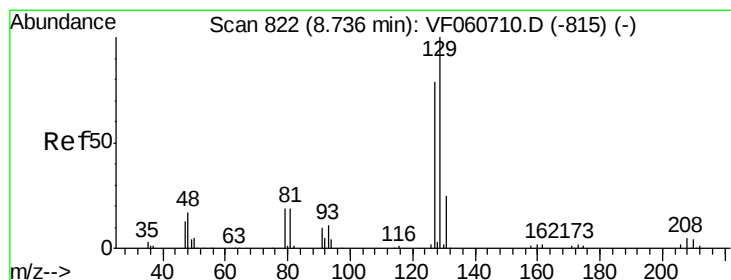
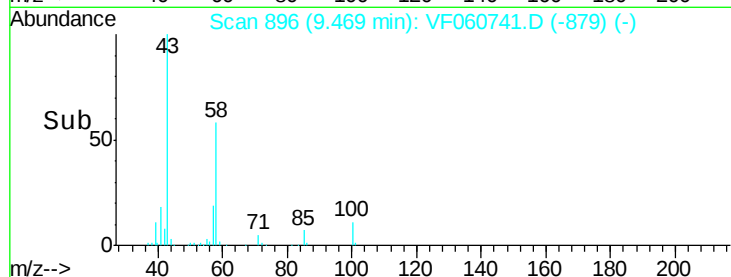
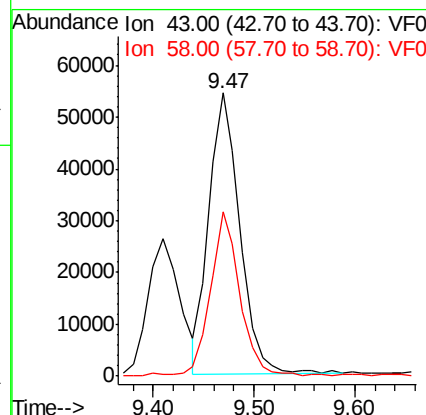
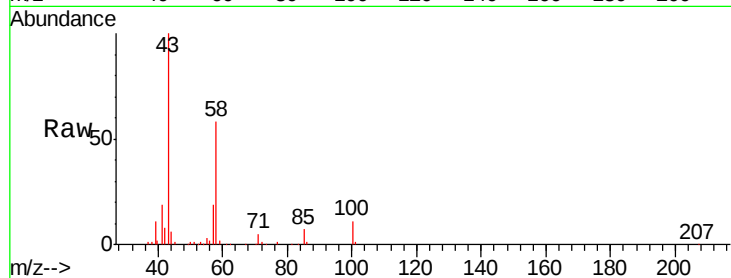




#59
2-Hexanone
Concen: 98.28 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

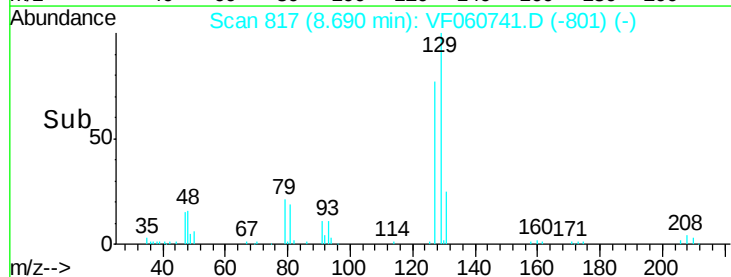
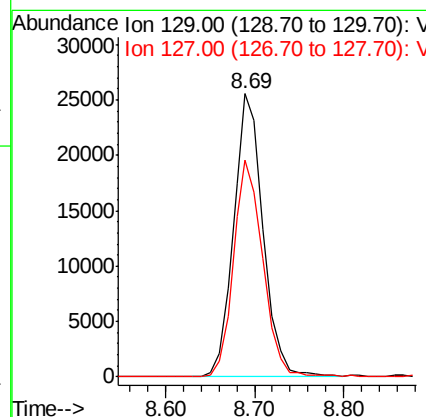
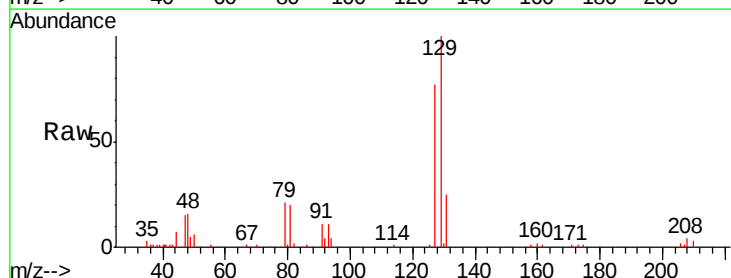
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

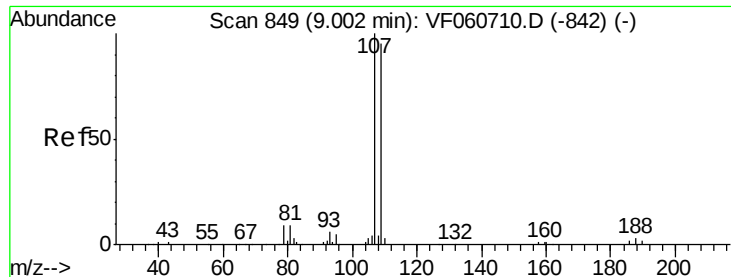
Tgt Ion: 43 Resp: 115245
Ion Ratio Lower Upper
43 100
58 58.0 24.9 74.7



#60
Dibromochloromethane
Concen: 20.75 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion: 129 Resp: 59078
Ion Ratio Lower Upper
129 100
127 76.7 39.7 119.1

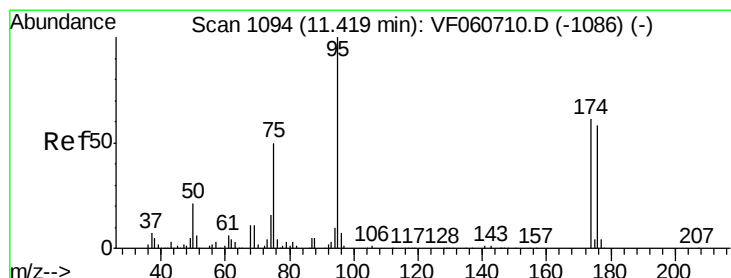
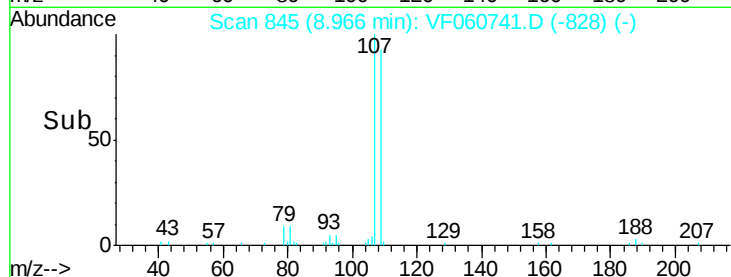
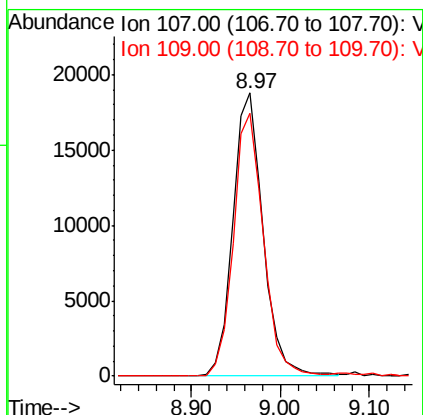
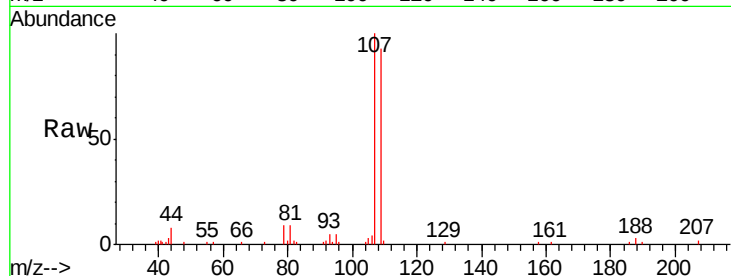




#61
 1,2-Dibromoethane
 Concen: 21.22 ug/l
 RT: 8.97 min Scan# 845
 Delta R.T. -0.04 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

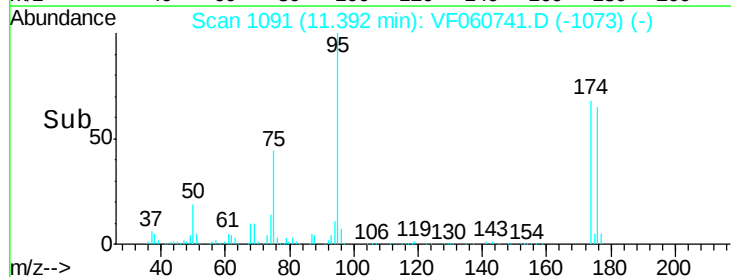
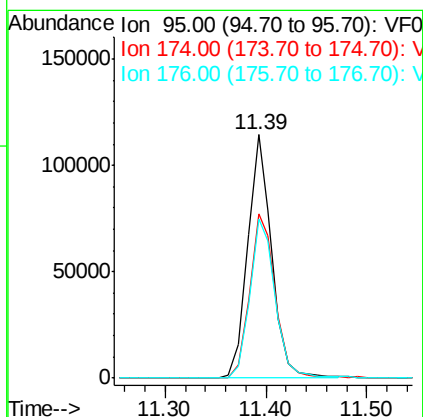
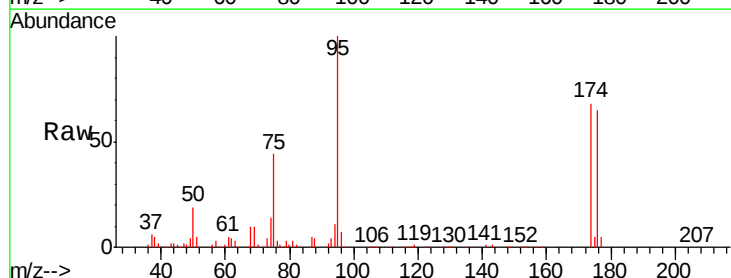
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

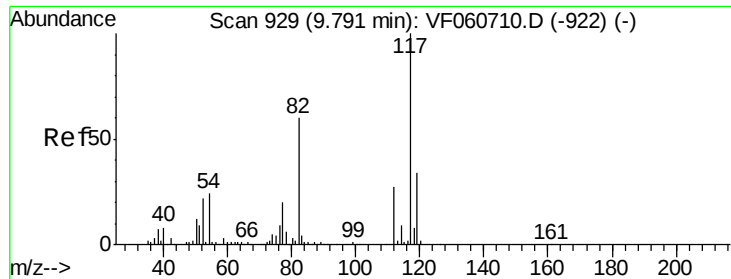
Tgt Ion: 107 Resp: 44583
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 53.16 ug/l
 RT: 11.39 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion: 95 Resp: 189908
 Ion Ratio Lower Upper
 95 100
 174 67.7 0.0 121.6
 176 65.2 0.0 115.2

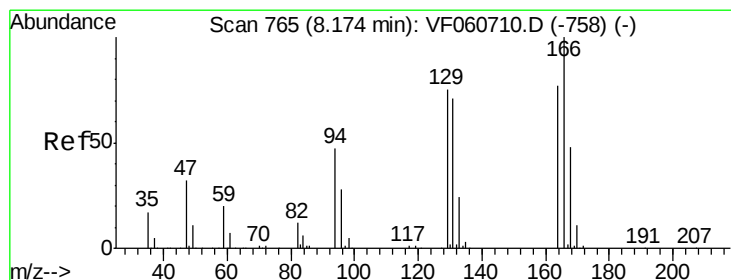
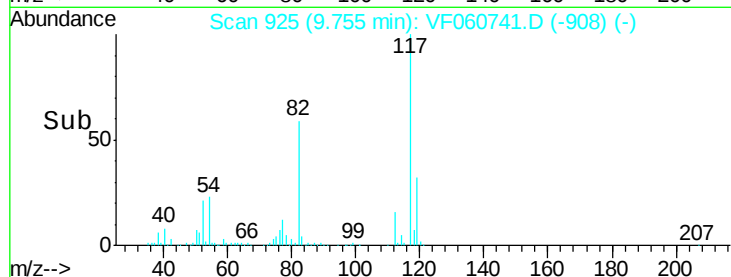
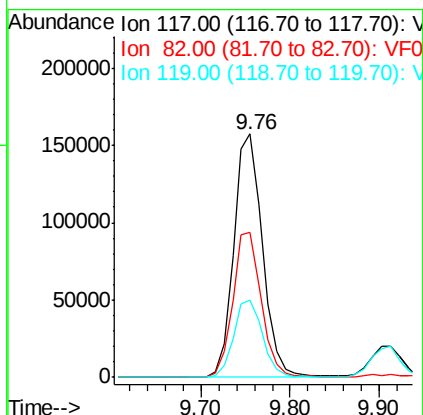
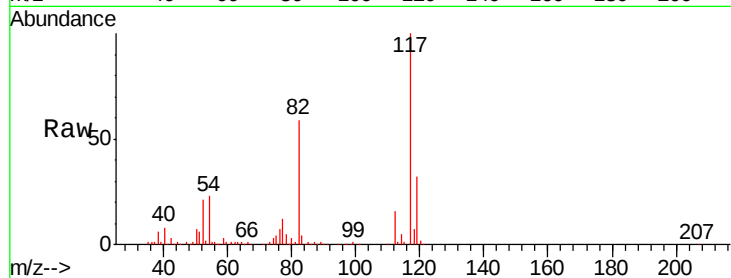




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

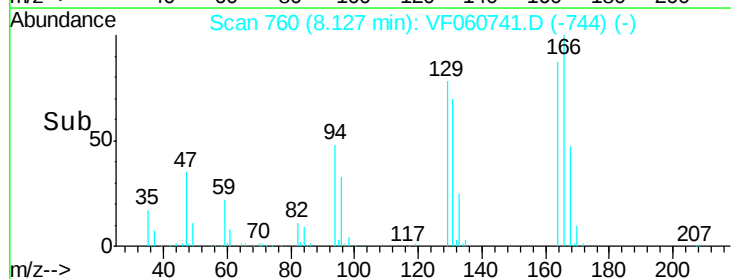
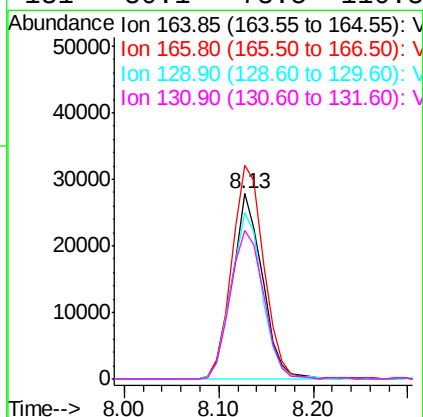
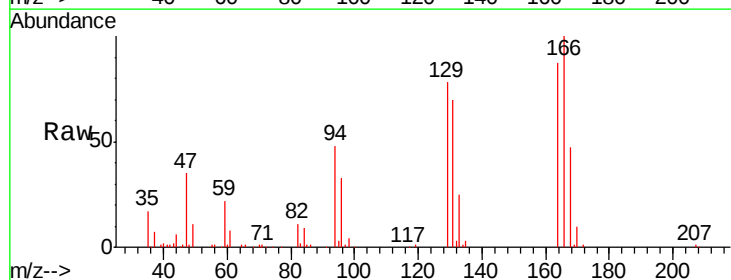
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

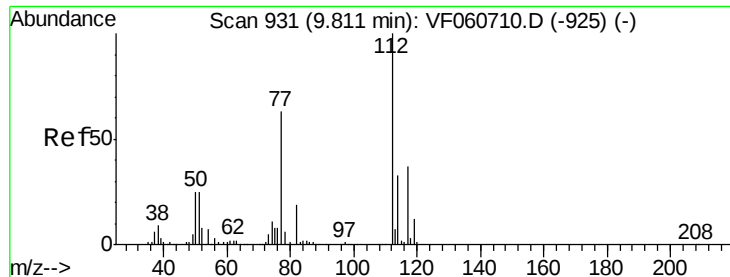
Tgt Ion:117 Resp: 355359
Ion Ratio Lower Upper
117 100
82 59.5 47.9 71.9
119 31.9 26.8 40.2



#64
Tetrachloroethene
Concen: 22.00 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion:164 Resp: 61904
Ion Ratio Lower Upper
164 100
166 115.2 103.5 155.3
129 89.6 77.4 116.2
131 80.1 73.5 110.3

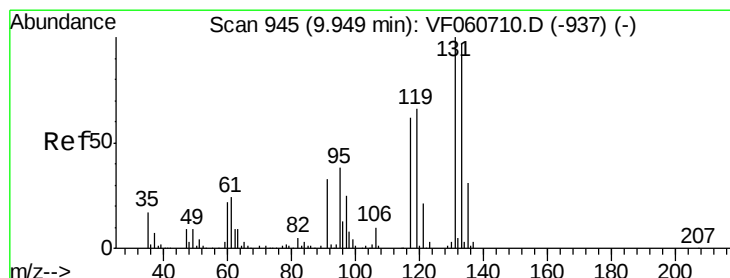
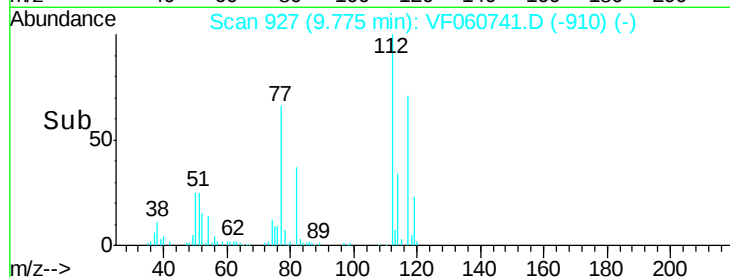
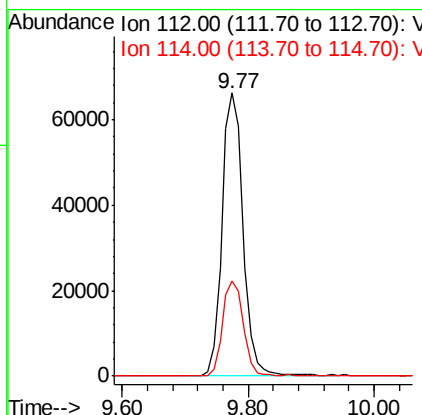
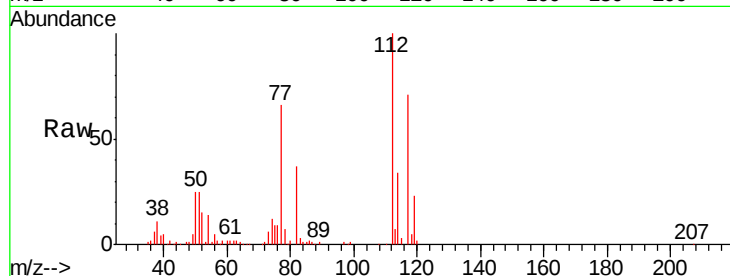




#65
Chlorobenzene
Concen: 21.51 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

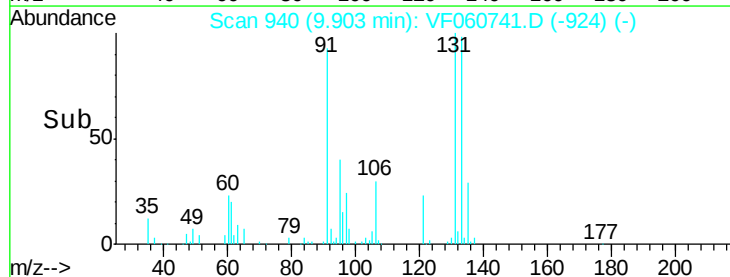
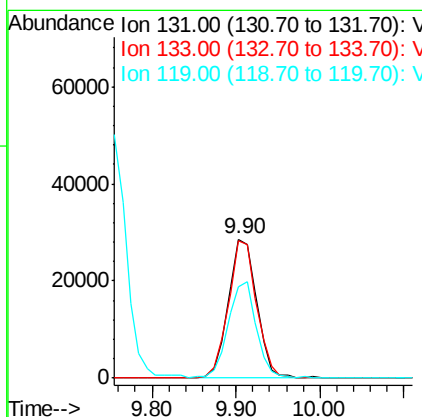
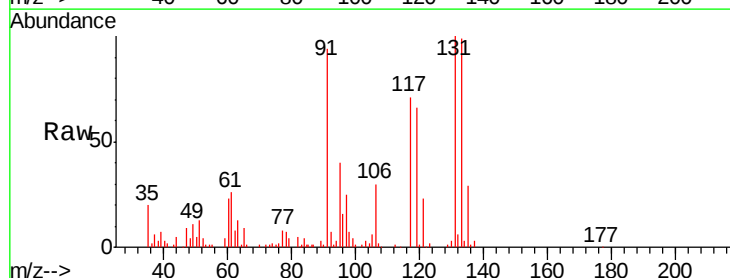
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

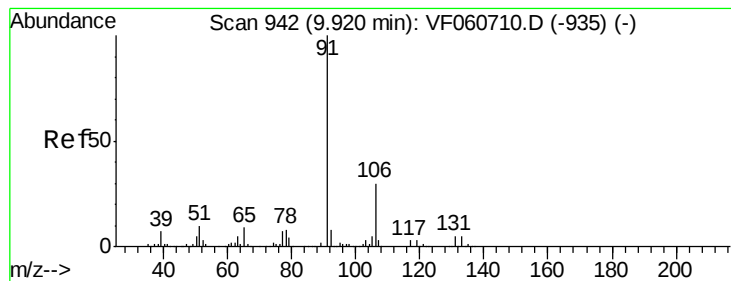
Tgt Ion:112 Resp: 154242
Ion Ratio Lower Upper
112 100
114 33.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.45 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.05 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion:131 Resp: 67087
Ion Ratio Lower Upper
131 100
133 98.6 48.3 144.8
119 66.0 33.2 99.6





#67

Ethyl Benzene

Concen: 21.55 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.05 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

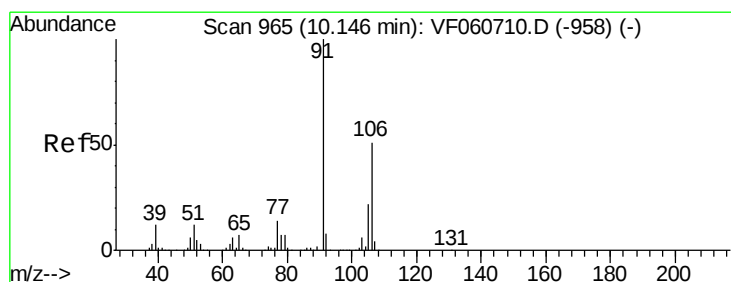
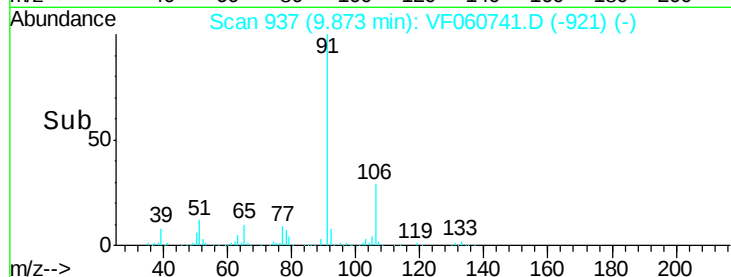
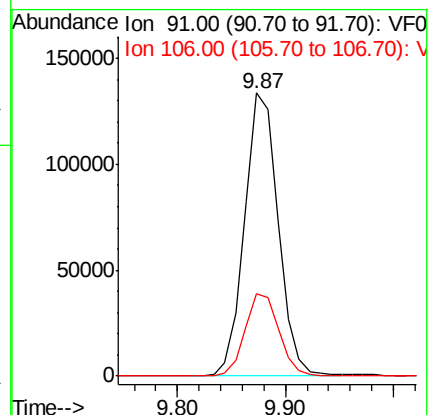
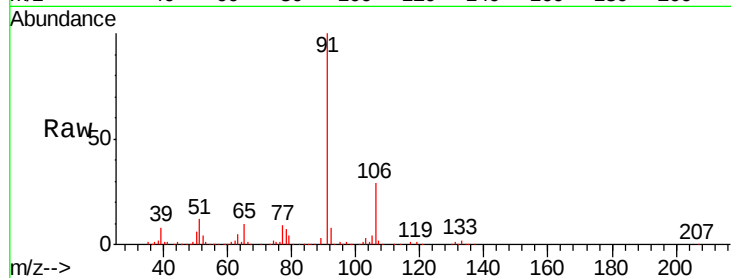
VF1115SBS01

Tgt Ion: 91 Resp: 291242

Ion Ratio Lower Upper

91 100

106 29.0 23.9 35.9



#68

m/p-Xylenes

Concen: 44.45 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.04 min

Lab File: VF060741.D

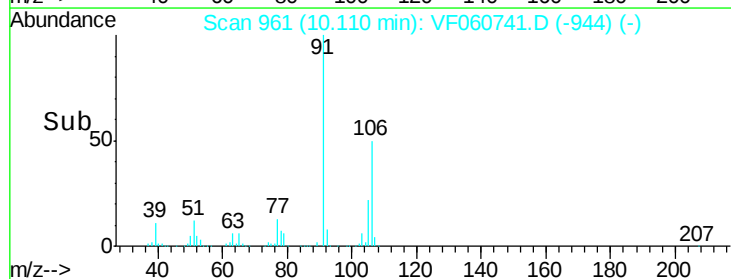
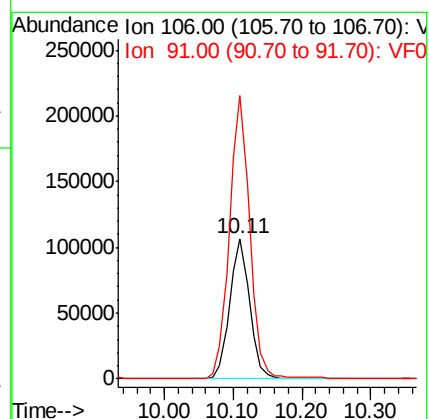
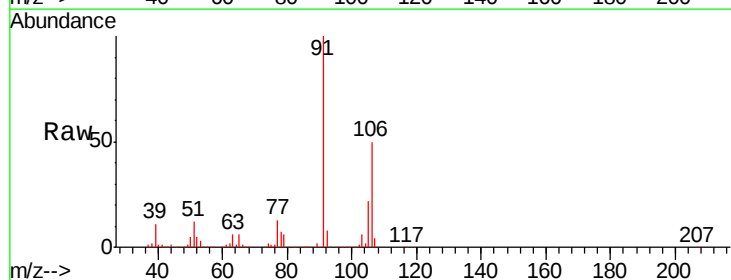
Acq: 15 Nov 2018 12:03

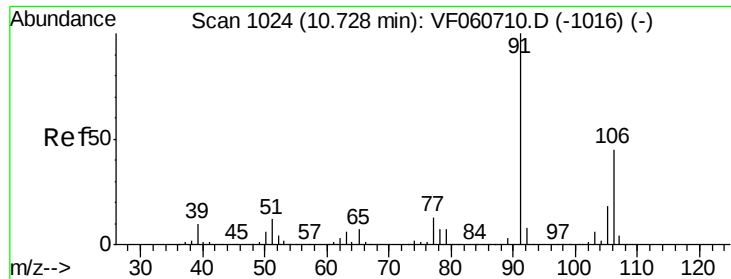
Tgt Ion: 106 Resp: 214694

Ion Ratio Lower Upper

106 100

91 202.0 158.2 237.2

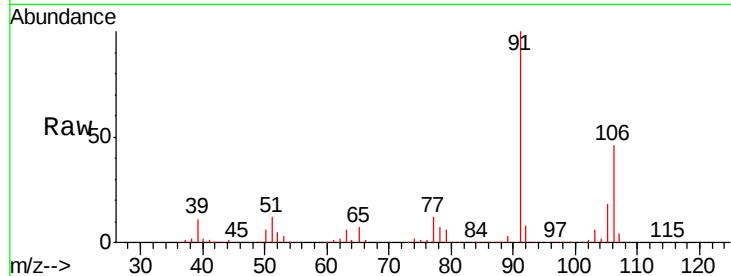




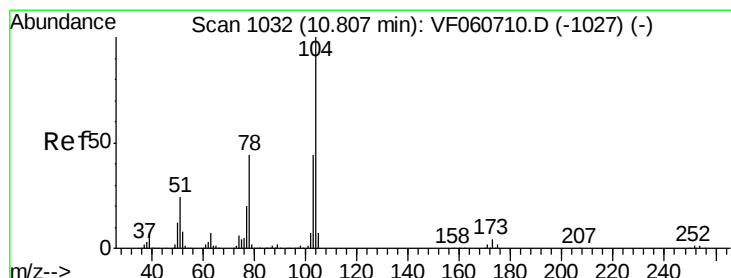
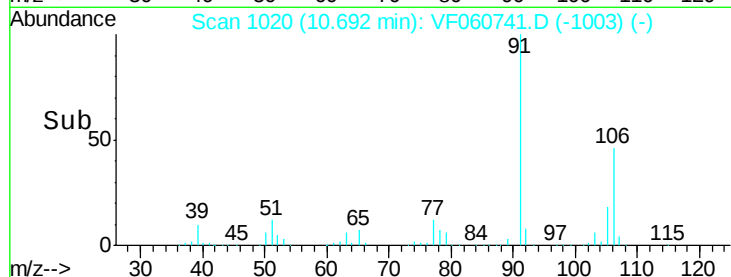
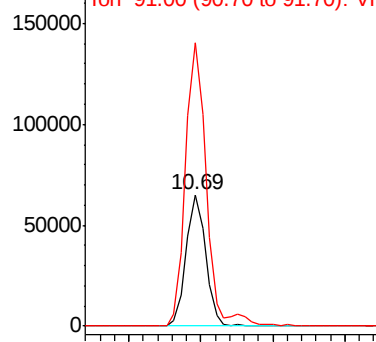
#69
o-Xylene
Concen: 22.47 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion:106 Resp: 122010
Ion Ratio Lower Upper
106 100
91 215.9 110.3 330.9

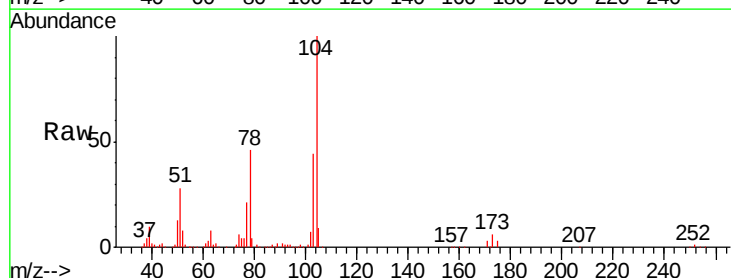


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

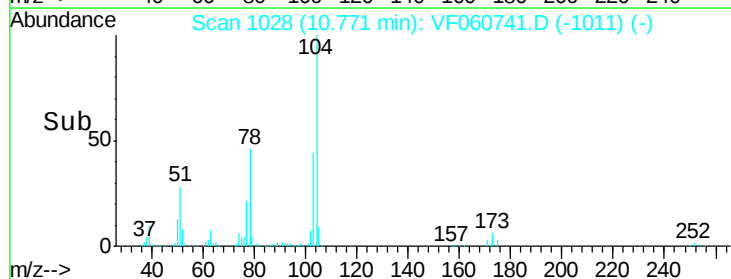
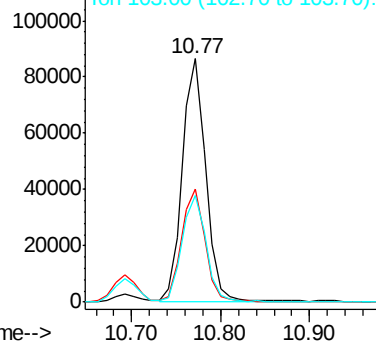


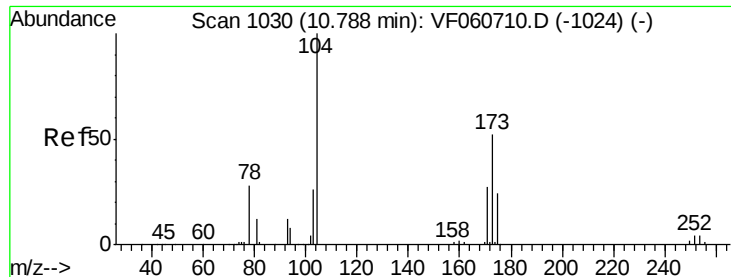
#70
Styrene
Concen: 21.51 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion:104 Resp: 158506
Ion Ratio Lower Upper
104 100
78 46.4 35.4 53.2
103 43.8 35.8 53.6



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





#71

Bromoform

Concen: 20.71 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.04 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

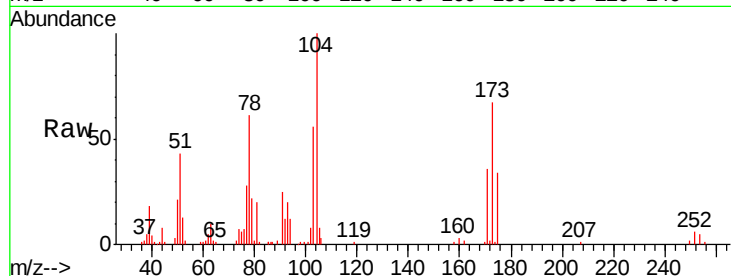
Tgt Ion:173 Resp: 29128

Ion Ratio Lower Upper

173 100

175 51.0 23.4 70.0

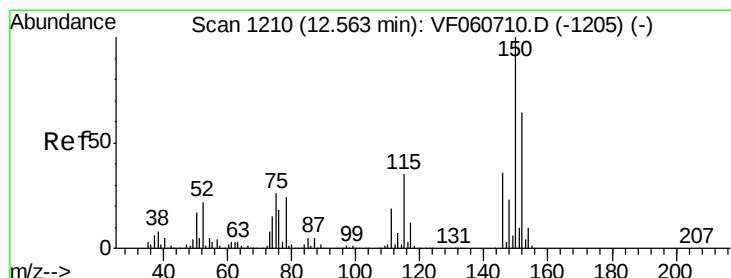
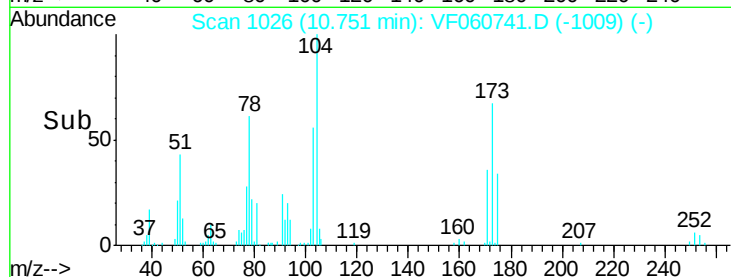
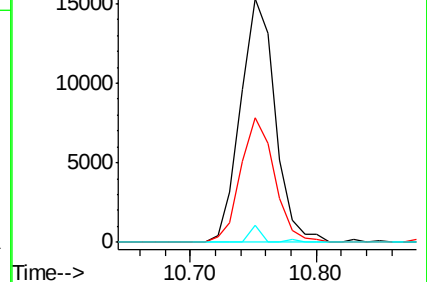
254 6.8 5.8 8.8



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: 50.00 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

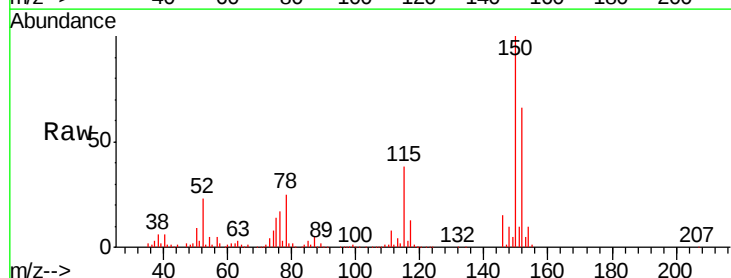
Tgt Ion:152 Resp: 197308

Ion Ratio Lower Upper

152 100

115 57.0 27.9 83.7

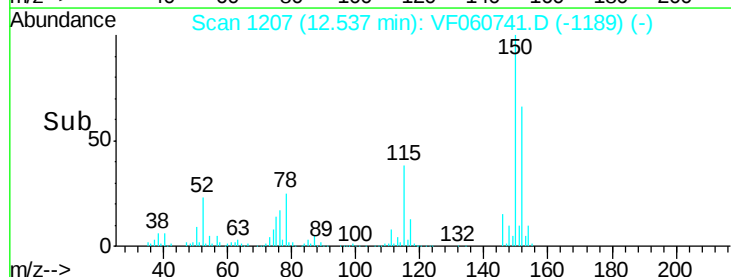
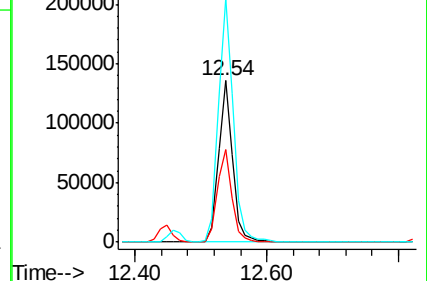
150 150.8 0.0 316.4

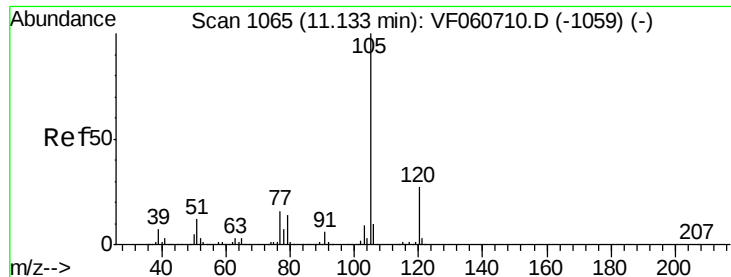


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.62 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

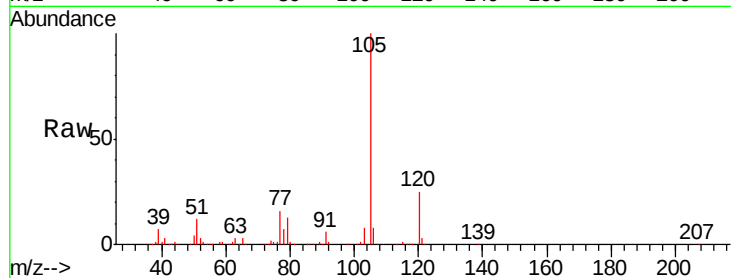
VF1115SBS01

Tgt Ion: 105 Resp: 359261

Ion Ratio Lower Upper

105 100

120 24.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

250000

200000

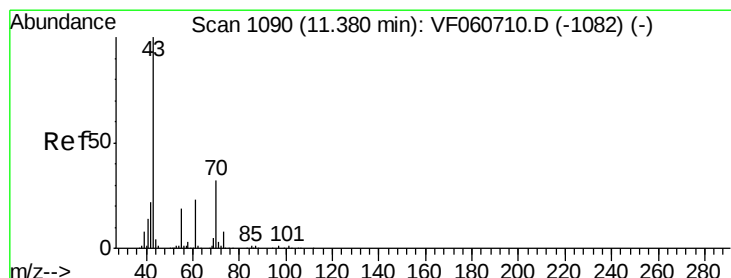
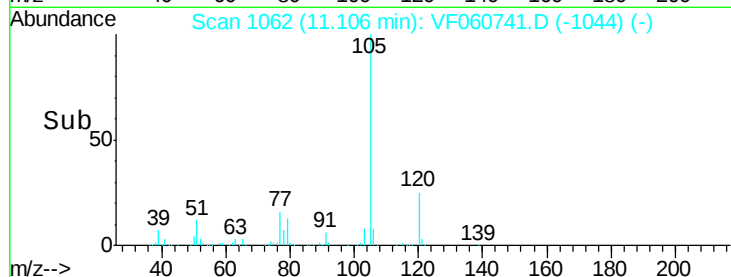
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.51 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Tgt Ion: 43 Resp: 81368

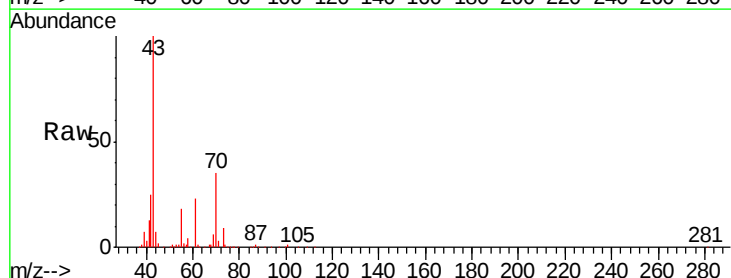
Ion Ratio Lower Upper

43 100

70 35.3 25.5 38.3

55 18.3 14.9 22.3

61 23.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.35

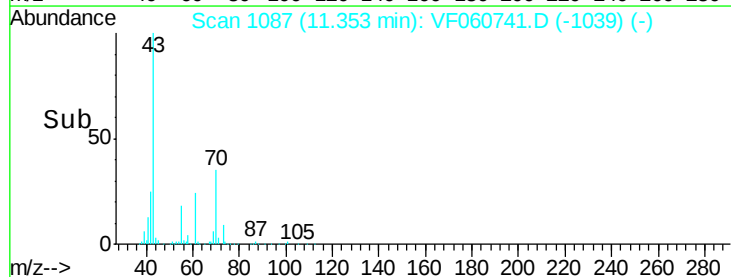
60000

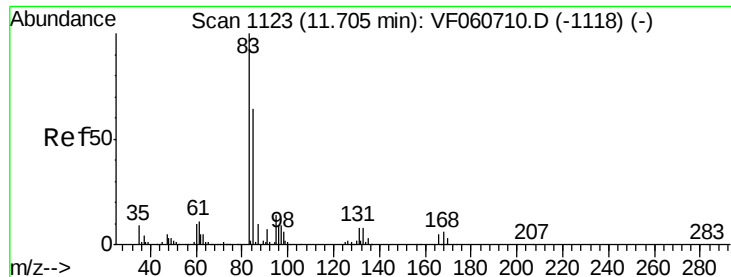
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.06 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

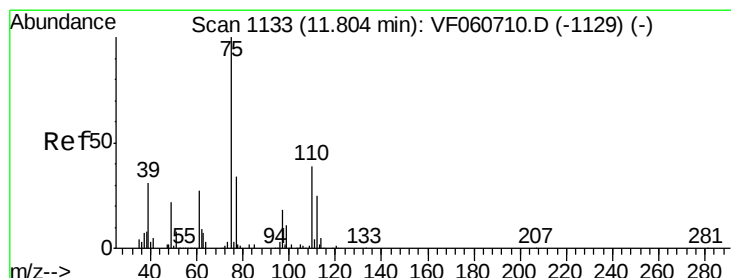
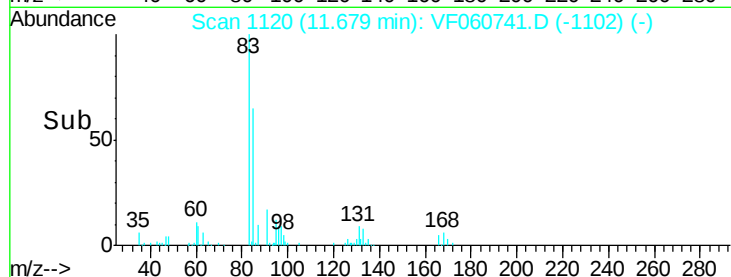
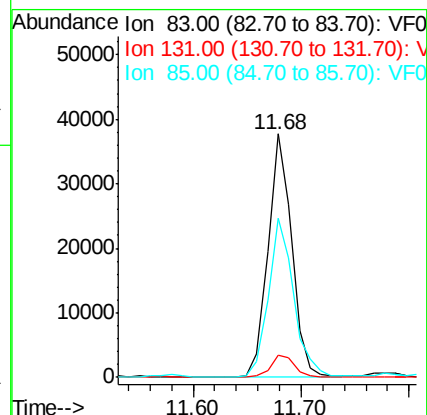
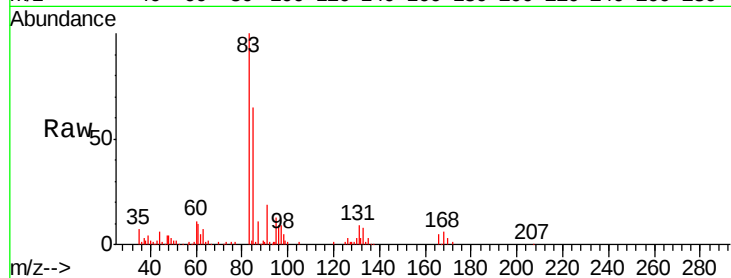
Tgt Ion: 83 Resp: 57912

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.4

85 65.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 21.37 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.03 min

Lab File: VF060741.D

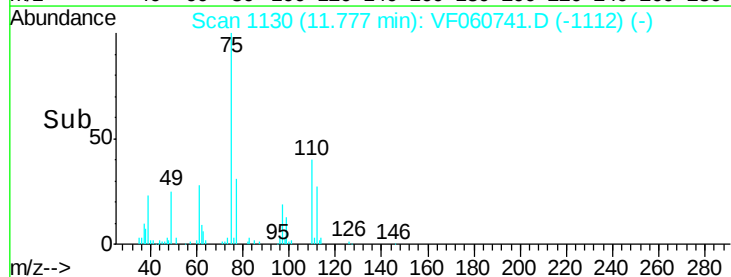
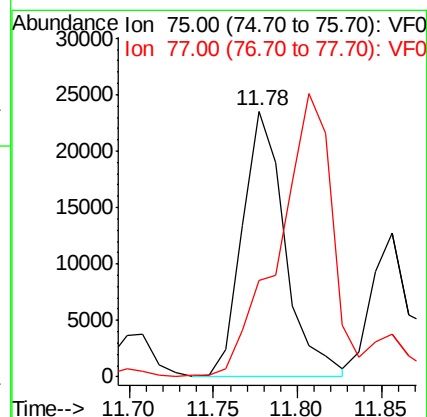
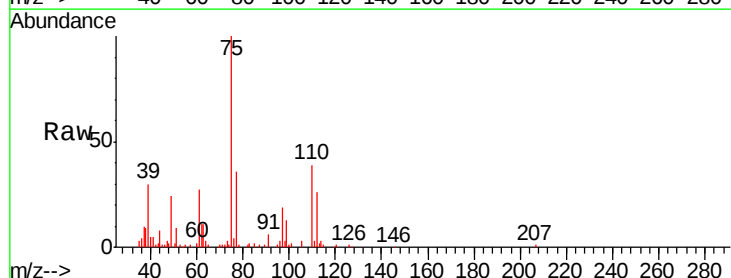
Acq: 15 Nov 2018 12:03

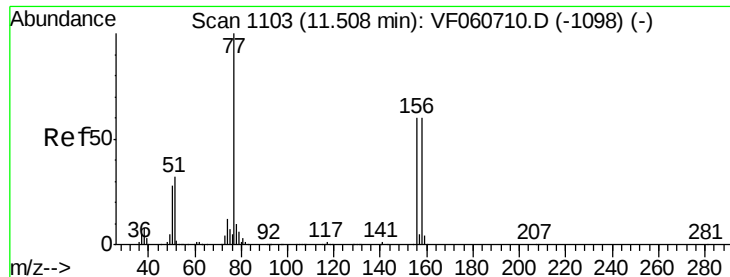
Tgt Ion: 75 Resp: 41680

Ion Ratio Lower Upper

75 100

77 36.4 17.0 51.0





#77

Bromobenzene

Concen: 21.55 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

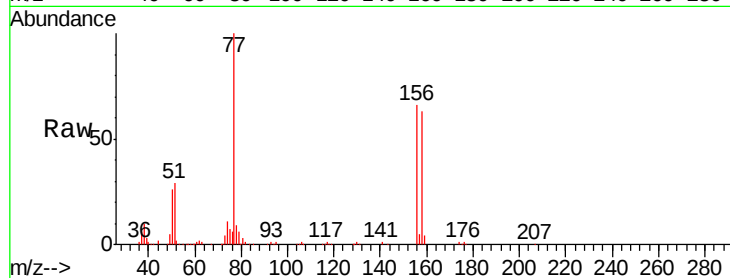
Tgt Ion:156 Resp: 71251

Ion Ratio Lower Upper

156 100

77 150.7 83.0 248.9

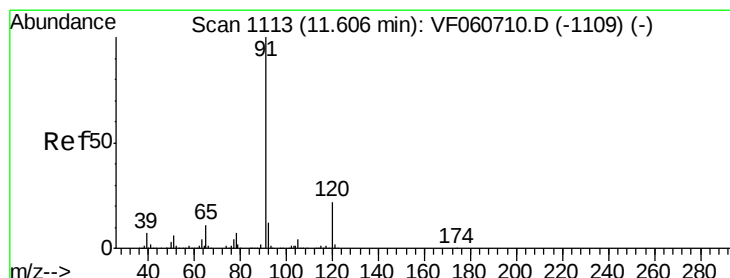
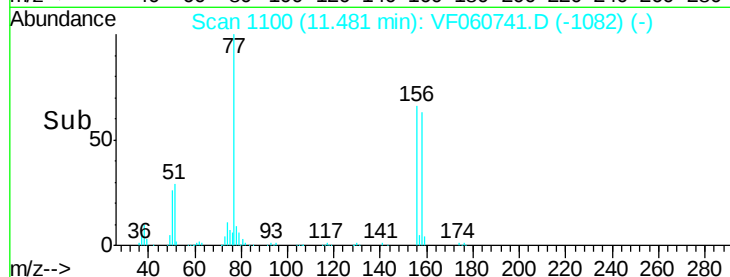
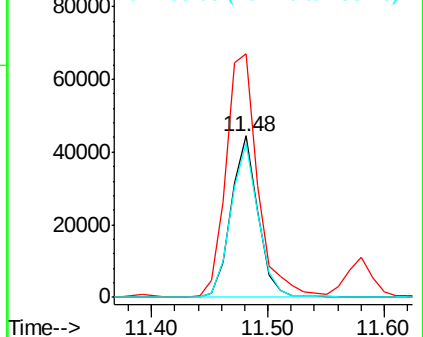
158 95.1 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.39 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF060741.D

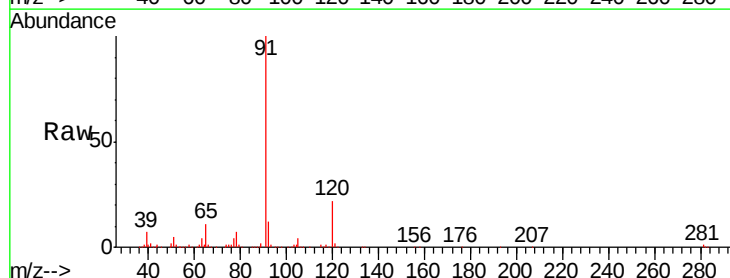
Acq: 15 Nov 2018 12:03

Tgt Ion: 91 Resp: 396294

Ion Ratio Lower Upper

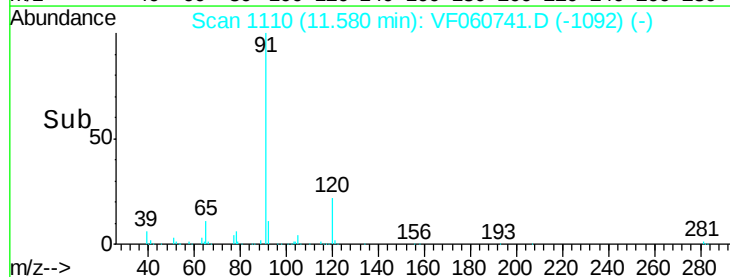
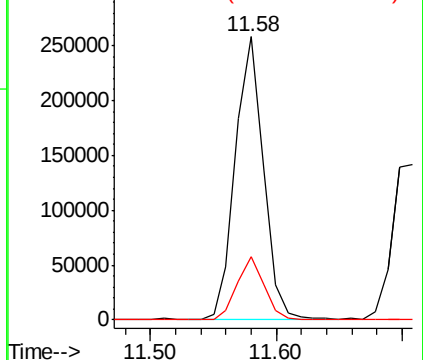
91 100

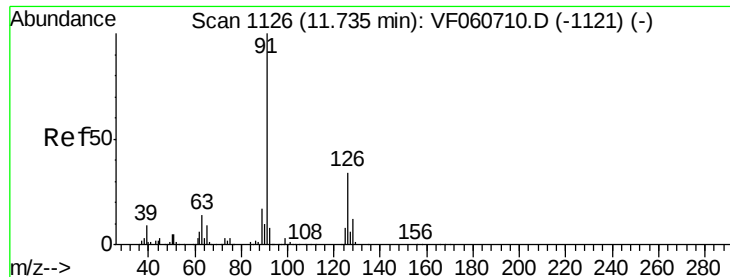
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.06 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

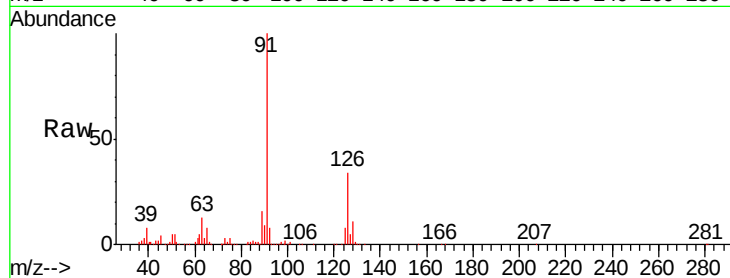
VF1115SBS01

Tgt Ion: 91 Resp: 237463

Ion Ratio Lower Upper

91 100

126 33.7 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.71

150000

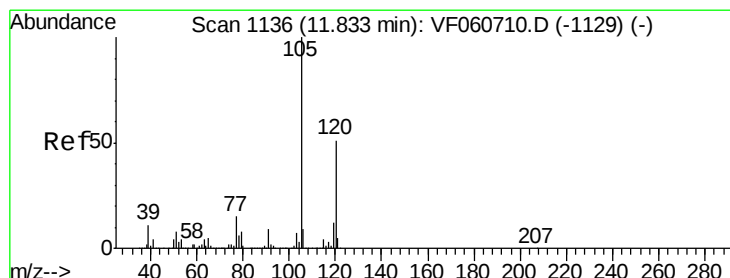
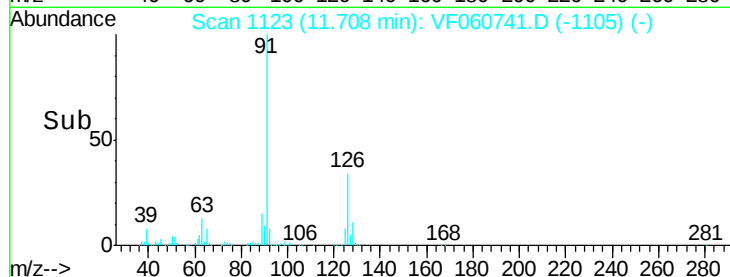
100000

50000

0

Time-->

11.60 11.70 11.80



#80

1,3,5-Trimethylbenzene

Concen: 21.80 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VF060741.D

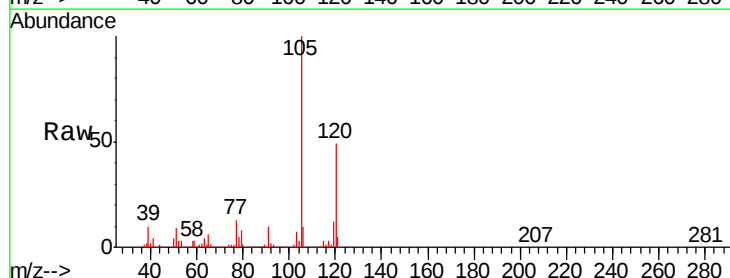
Acq: 15 Nov 2018 12:03

Tgt Ion: 105 Resp: 274931

Ion Ratio Lower Upper

105 100

120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

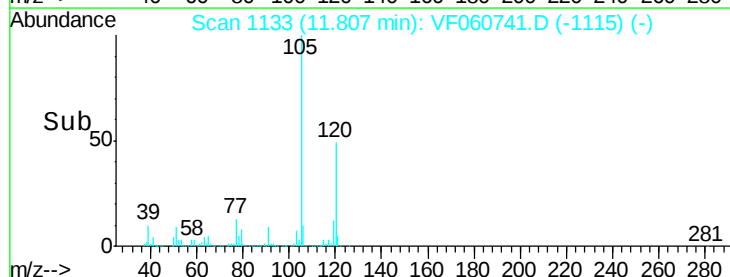
100000

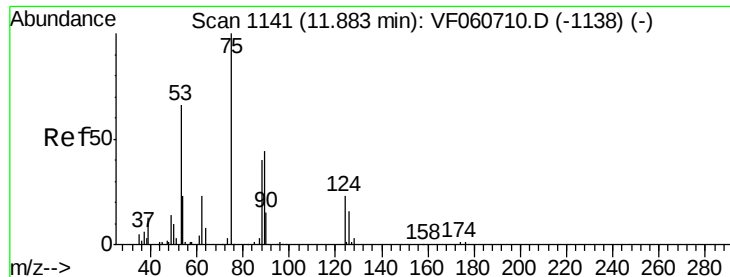
50000

0

Time-->

11.70 11.80 11.90





#81

trans-1,4-Dichloro-2-butene

Concen: 26.56 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

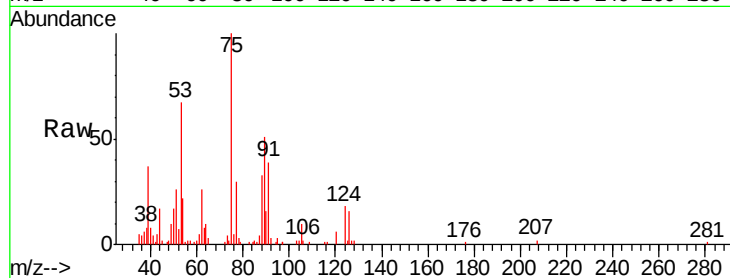
Tgt Ion: 75 Resp: 25443

Ion Ratio Lower Upper

75 100

53 67.0 57.0 85.4

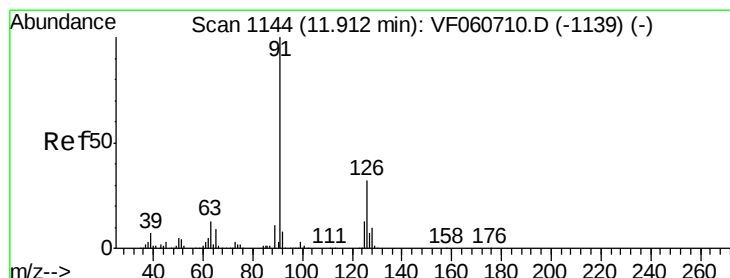
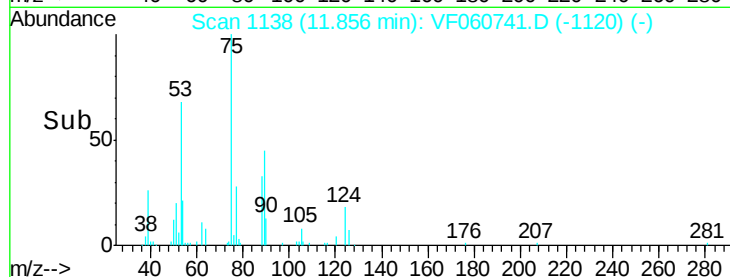
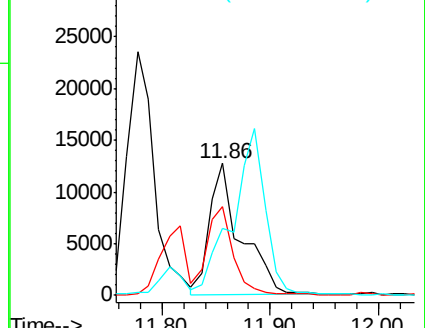
89 50.8 37.8 56.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.16 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF060741.D

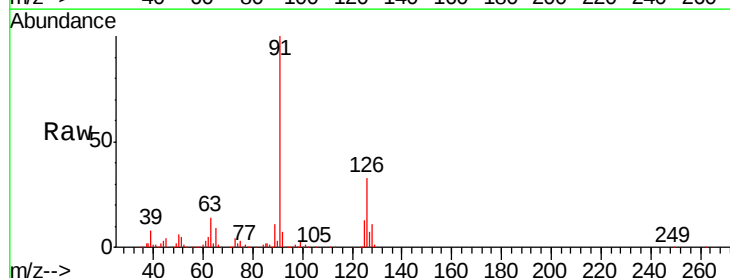
Acq: 15 Nov 2018 12:03

Tgt Ion: 91 Resp: 233342

Ion Ratio Lower Upper

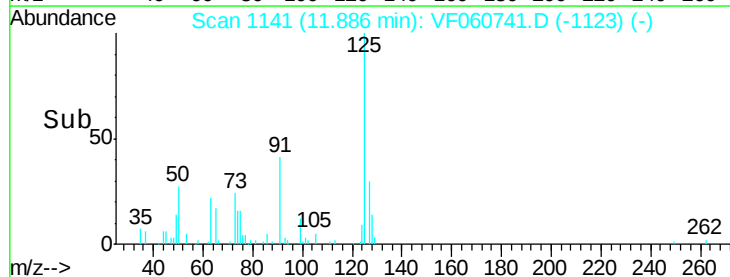
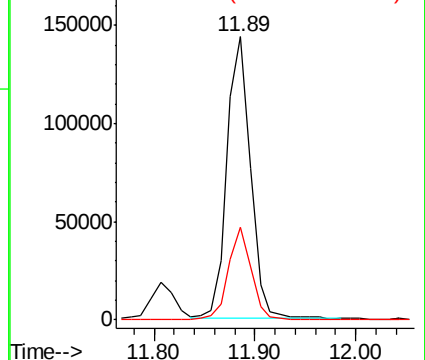
91 100

126 32.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

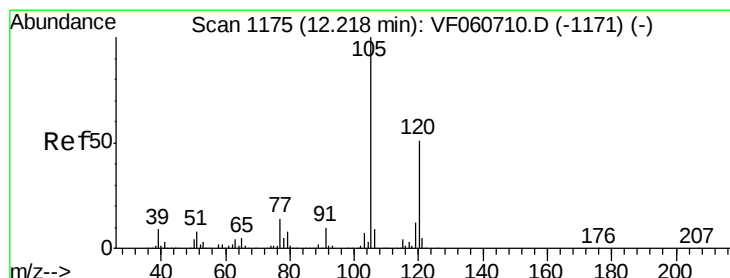
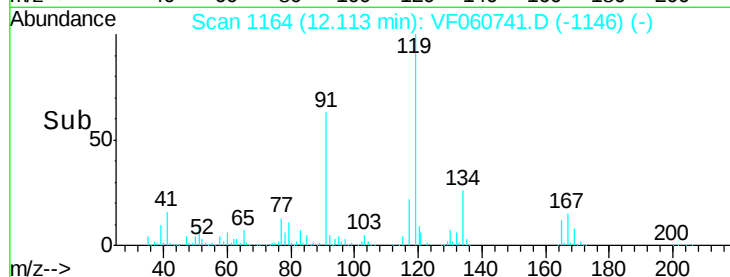
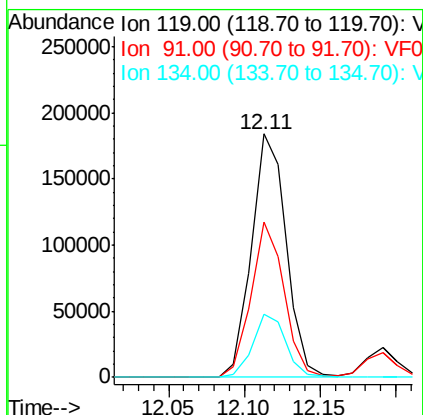
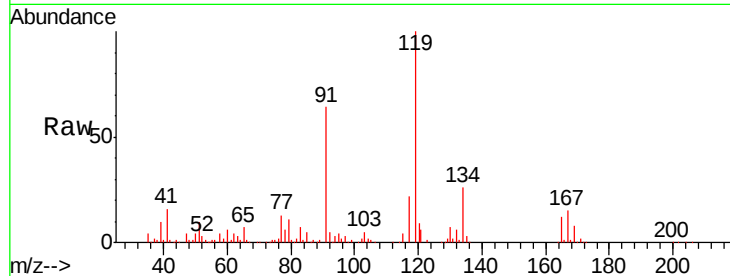




#83
 tert-Butylbenzene
 Concen: 22.07 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

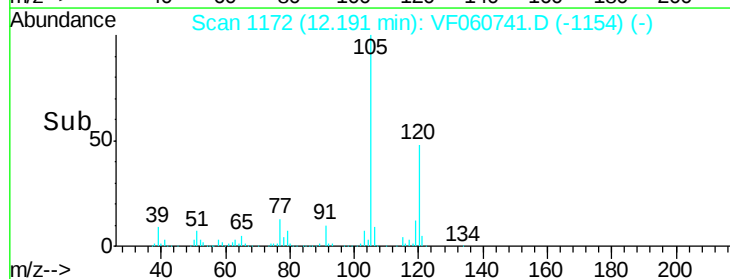
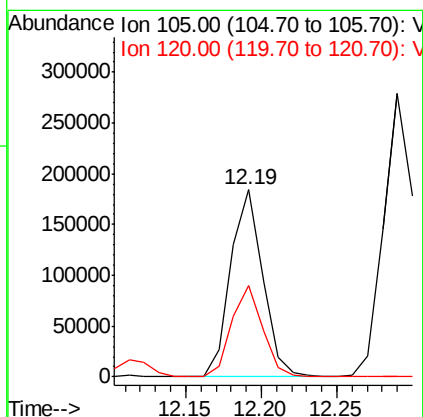
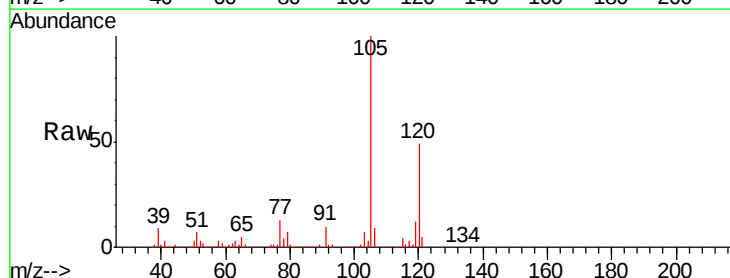
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

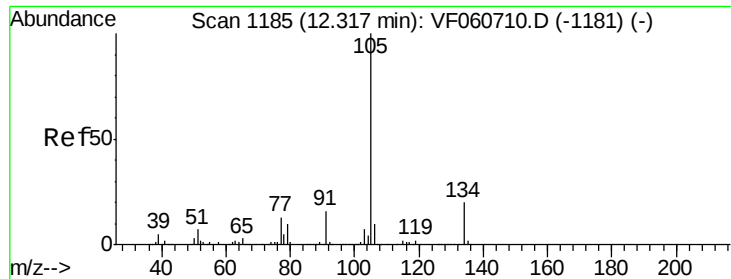
Tgt Ion:119 Resp: 295478
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.4 94.3
 134 25.8 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.02 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion:105 Resp: 274111
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.5 76.5

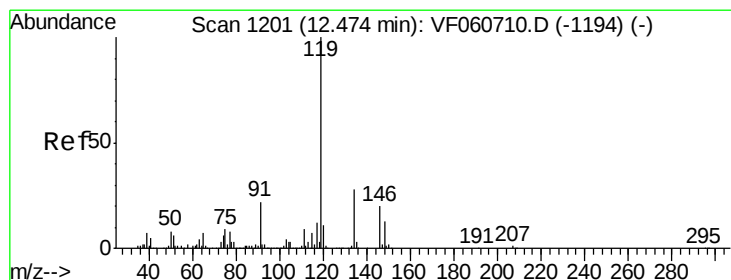
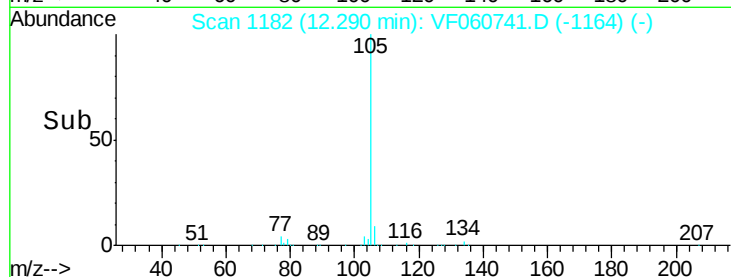
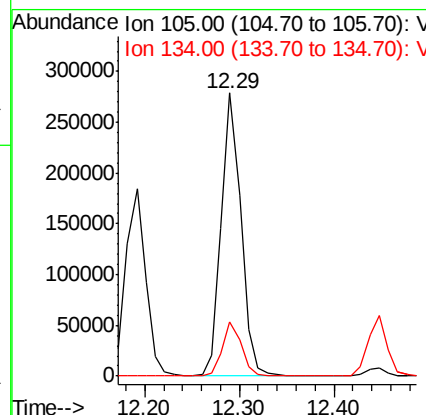
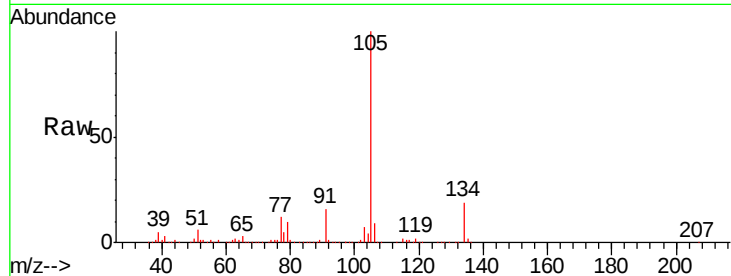




#85
 sec-Butylbenzene
 Concen: 22.26 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

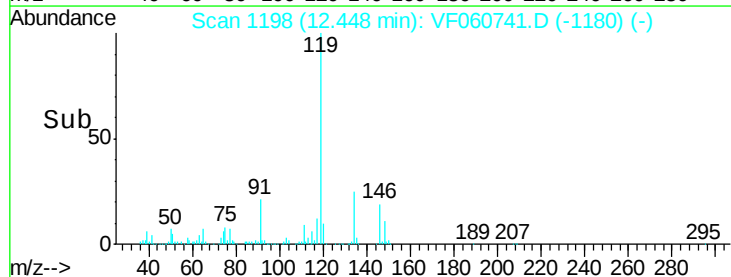
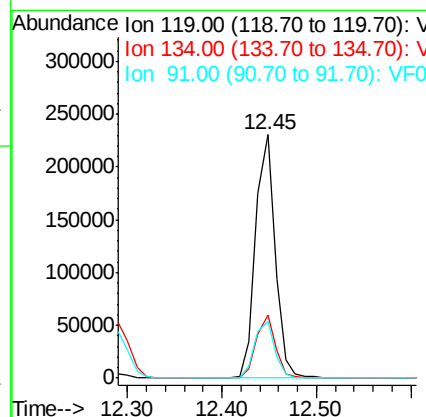
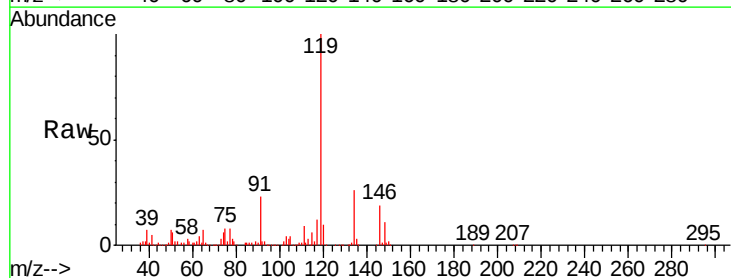
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

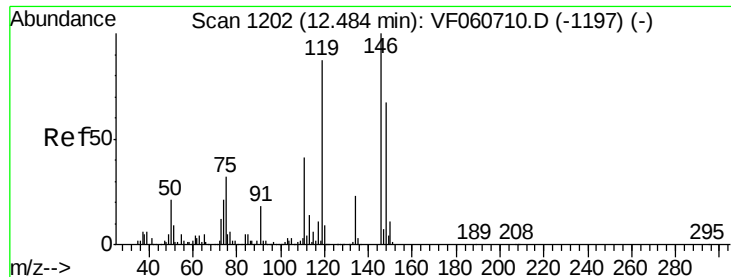
Tgt Ion:105 Resp: 404250
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 21.94 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion:119 Resp: 332738
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.9 41.7
 91 23.1 11.3 33.9

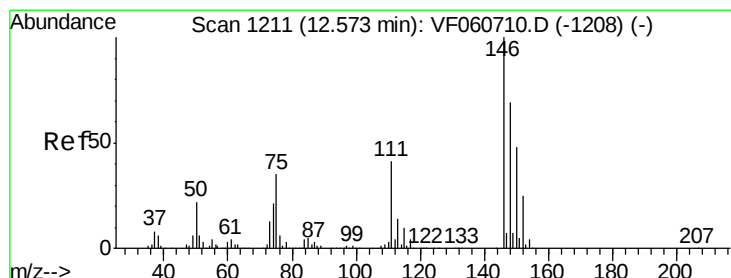
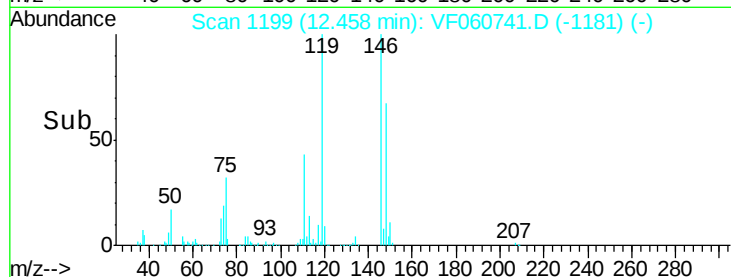
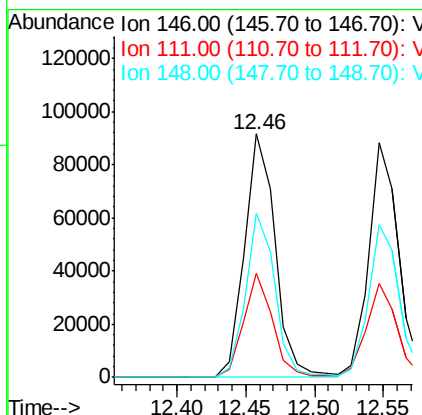
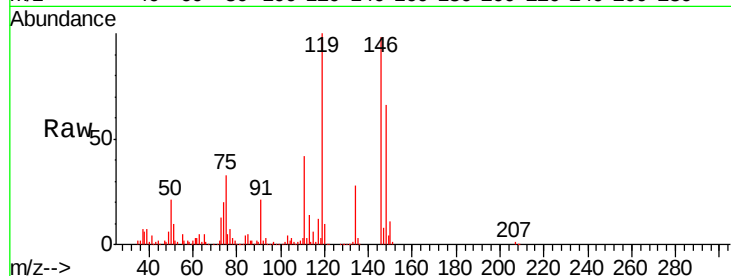




#87
 1,3-Dichlorobenzene
 Concen: 21.74 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

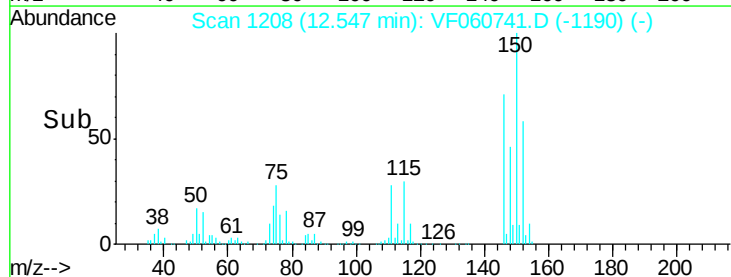
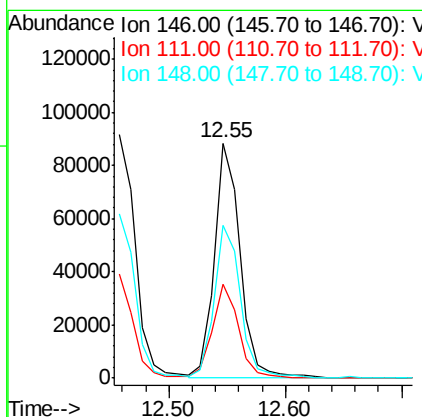
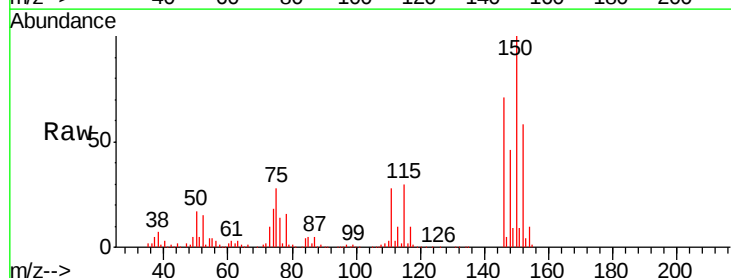
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

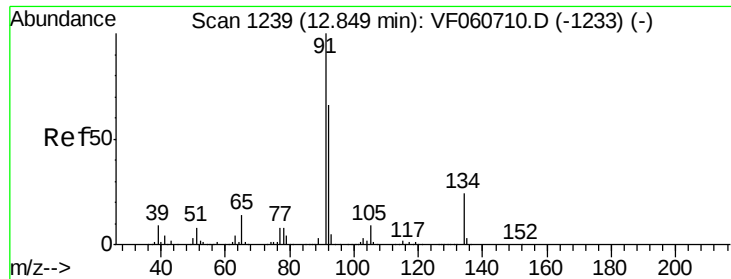
Tgt Ion:146 Resp: 143018
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.3 60.8
 148 67.2 33.3 99.9



#88
 1,4-Dichlorobenzene
 Concen: 21.26 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion:146 Resp: 134422
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.6 61.9
 148 65.2 34.7 104.1

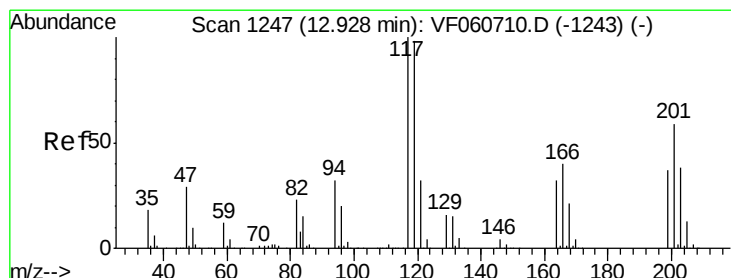
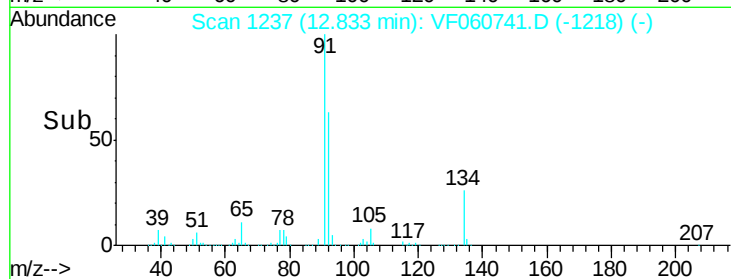
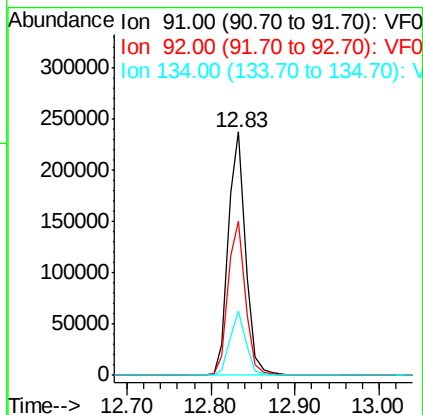
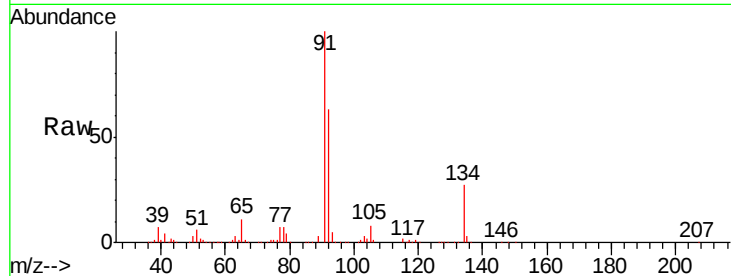




#89
n-Butylbenzene
Concen: 21.82 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

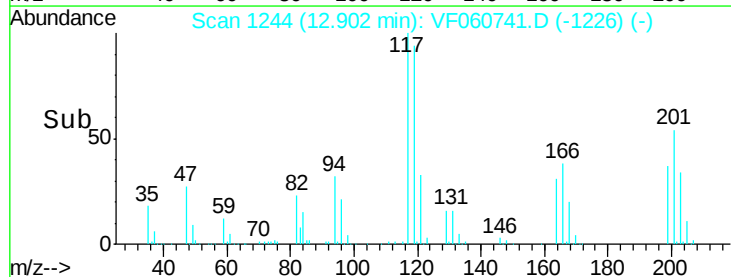
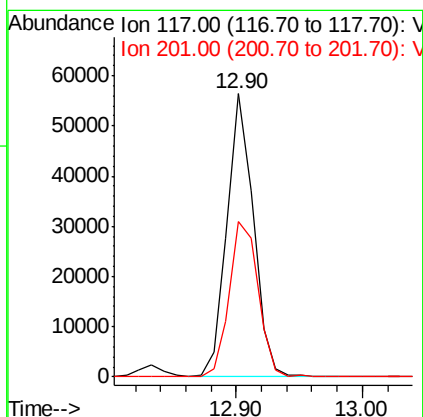
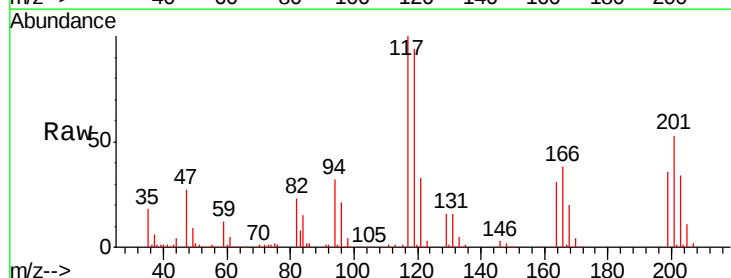
Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

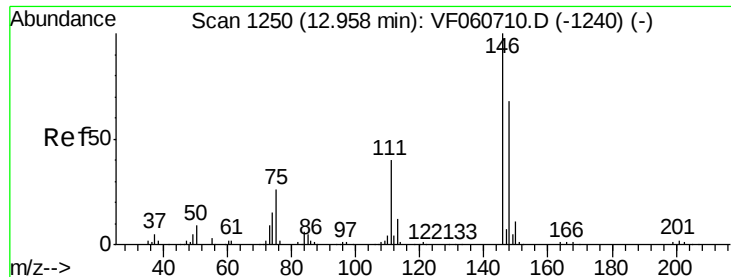
Tgt Ion: 91 Resp: 337717
Ion Ratio Lower Upper
91 100
92 63.0 33.1 99.2
134 26.5 11.9 35.9



#90
Hexachloroethane
Concen: 22.17 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.03 min
Lab File: VF060741.D
Acq: 15 Nov 2018 12:03

Tgt Ion: 117 Resp: 82262
Ion Ratio Lower Upper
117 100
201 54.9 29.4 88.3

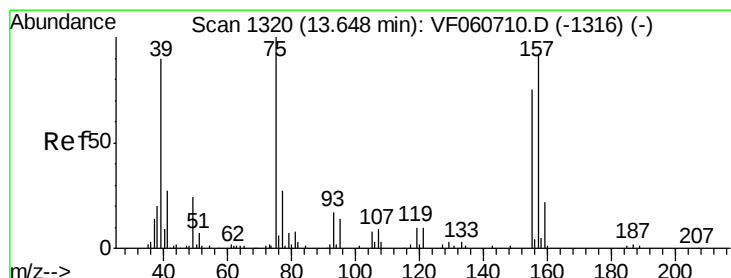
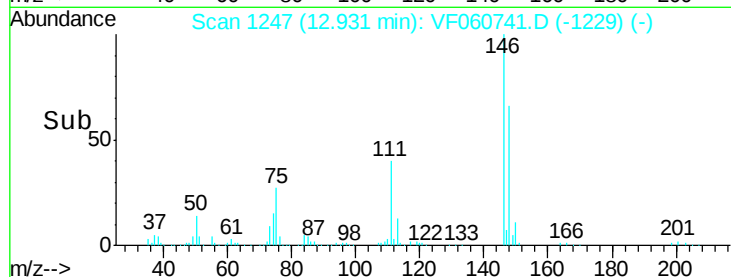
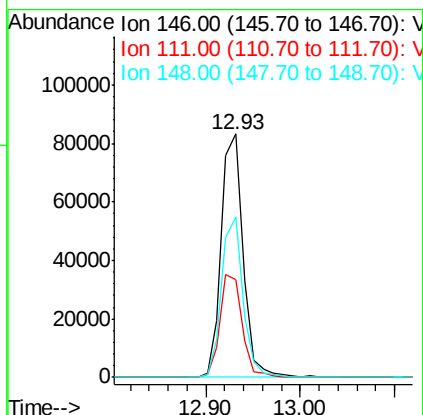
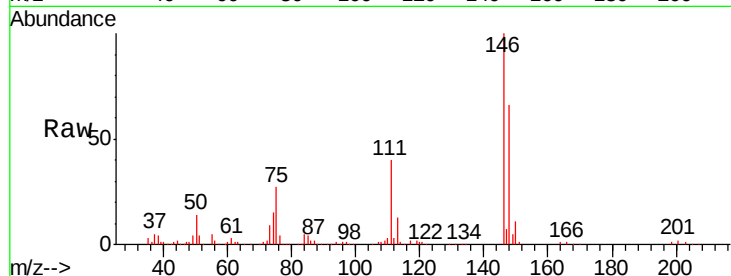




#91
 1,2-Dichlorobenzene
 Concen: 21.52 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

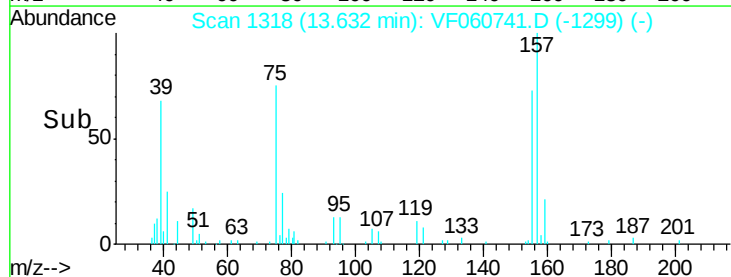
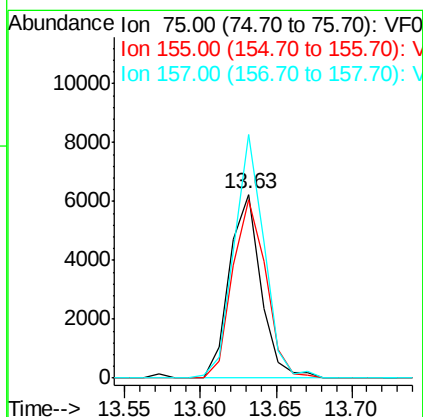
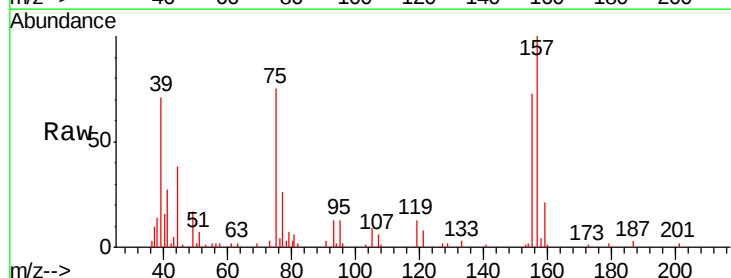
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

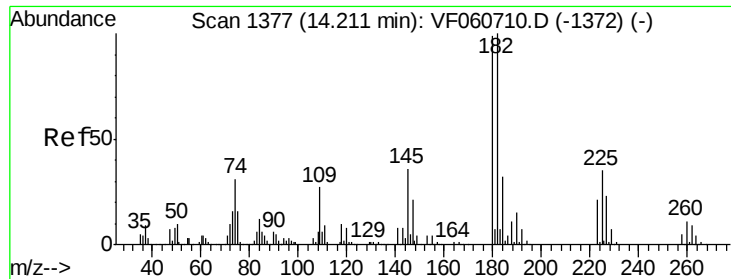
Tgt Ion: 146 Resp: 133291
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.3 60.8
 148 65.8 34.1 102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.28 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion: 75 Resp: 9022
 Ion Ratio Lower Upper
 75 100
 155 97.2 37.4 112.2
 157 132.7 46.0 138.0

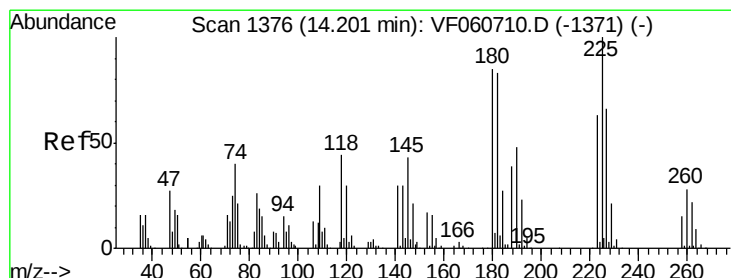
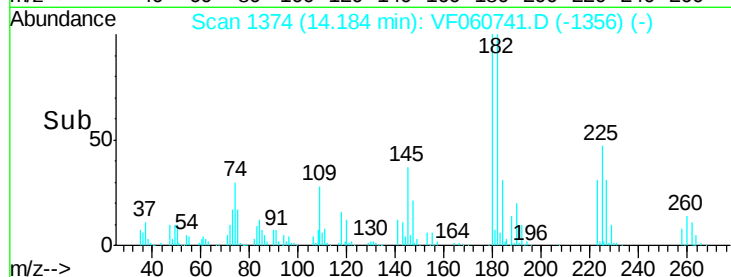
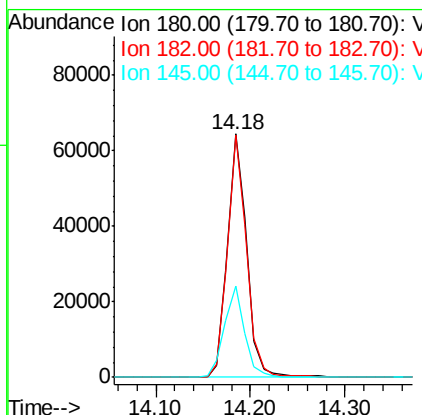
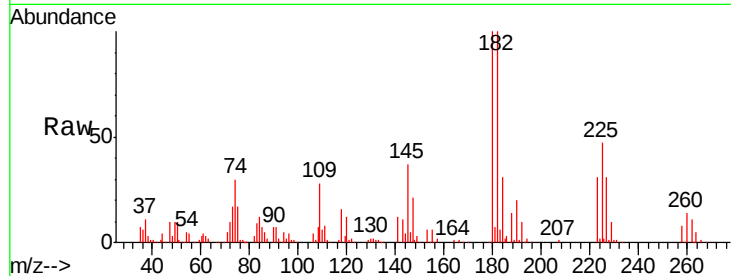




#93
 1,2,4-Trichlorobenzene
 Concen: 20.55 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

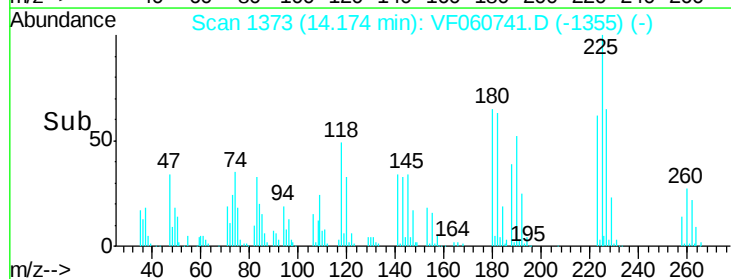
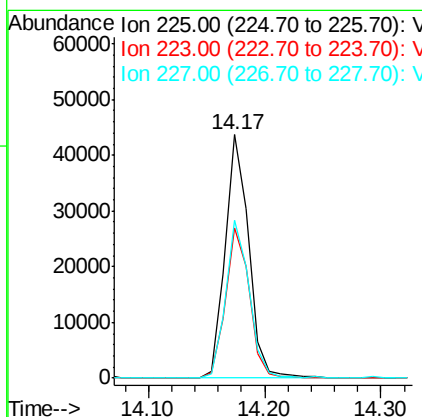
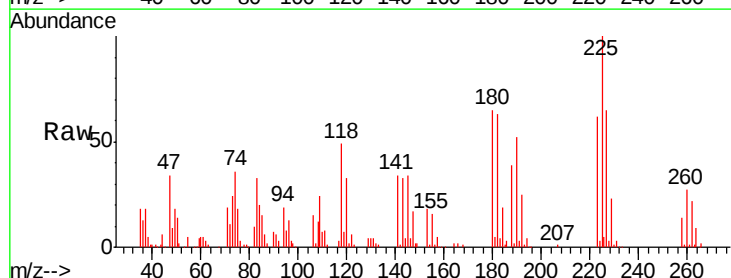
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

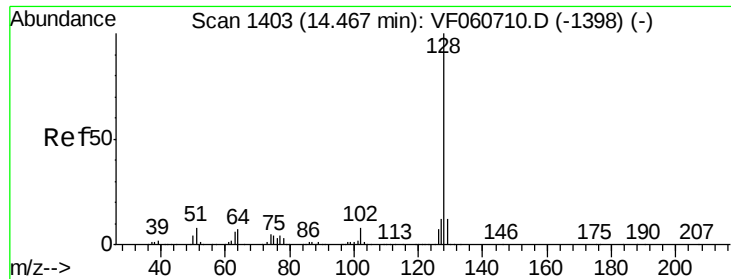
Tgt Ion:180 Resp: 91500
 Ion Ratio Lower Upper
 180 100
 182 99.7 50.3 151.0
 145 37.4 18.3 54.9



#94
 Hexachlorobutadiene
 Concen: 21.08 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.03 min
 Lab File: VF060741.D
 Acq: 15 Nov 2018 12:03

Tgt Ion:225 Resp: 61318
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.5 94.5
 227 65.1 33.0 99.0





#95

Naphthalene

Concen: 20.23 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

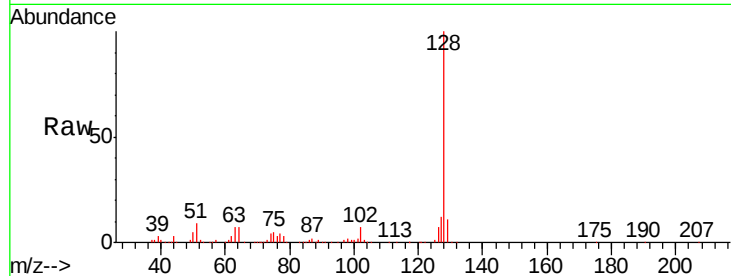
Tgt Ion:128 Resp: 164379

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.6

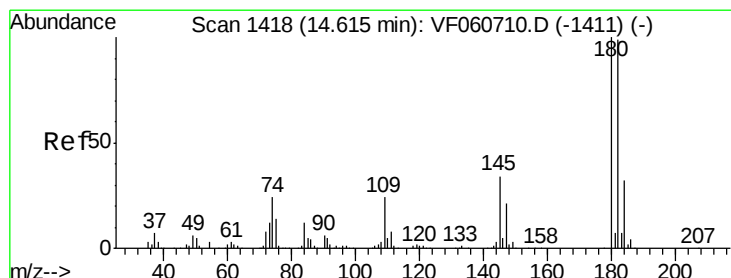
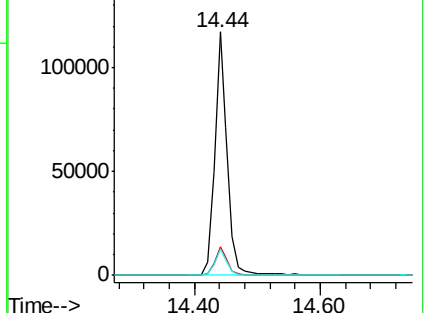
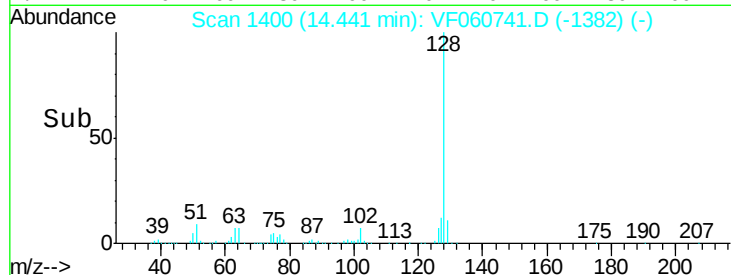
129 10.8 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.33 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VF060741.D

Acq: 15 Nov 2018 12:03

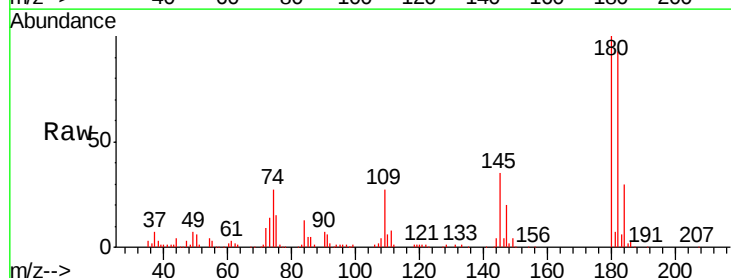
Tgt Ion:180 Resp: 87754

Ion Ratio Lower Upper

180 100

182 93.1 49.6 149.0

145 35.4 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

