

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060098.D
 Acq On : 24 Aug 2018 14:24
 Operator : VA/AP
 Sample : VF0824SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBSD01

Quant Time: Aug 25 03:44:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	157962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	241125	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	267458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	166125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	114826	53.11	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	4.29	113	113086	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	
50) Toluene-d8	7.71	98	302349	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
62) 4-Bromofluorobenzene	11.51	95	170030	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	53349	25.65	ug/l	99
3) Chloromethane	1.07	50	39633	27.71	ug/l #	84
4) Vinyl Chloride	1.12	62	30770	23.83	ug/l	97
5) Bromomethane	1.31	94	19630	20.01	ug/l	95
6) Chloroethane	1.39	64	12568	24.69	ug/l	98
7) Trichlorofluoromethane	1.48	101	78600	30.27	ug/l	99
8) Diethyl Ether	1.70	74	8507	18.33	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.86	101	31850	23.37	ug/l	95
10) Methyl Iodide	1.93	142	34993	19.42	ug/l	97
11) Tert butyl alcohol	2.67	59	10697	93.01	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	22552	22.46	ug/l	90
13) Acrolein	2.08	56	3417	69.83	ug/l	82
14) Allyl chloride	2.18	41	37339	20.94	ug/l	86
15) Acrylonitrile	3.06	53	25515	112.42	ug/l	97
16) Acetone	2.33	43	59299	104.36	ug/l	99
17) Carbon Disulfide	1.84	76	74244	23.62	ug/l	97
18) Methyl Acetate	2.45	43	21872	20.07	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	67078	20.85	ug/l	94
20) Methylene Chloride	2.28	84	23473	17.66	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	36036	32.07	ug/l	87
22) Diisopropyl ether	2.92	45	87127	21.82	ug/l	96
23) Vinyl Acetate	3.33	43	192980	91.22	ug/l	99
24) 1,1-Dichloroethane	3.00	63	71582	29.02	ug/l	98
25) 2-Butanone	4.49	43	66628	90.28	ug/l	97
26) 2,2-Dichloropropane	3.76	77	62532	24.50	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	34344	21.57	ug/l	96
28) Bromochloromethane	3.89	49	24807	23.82	ug/l	90
29) Tetrahydrofuran	4.24	42	20762	74.51	ug/l #	91
30) Chloroform	4.04	83	81676	23.59	ug/l	98
31) Cyclohexane	3.86	56	43384	23.08	ug/l #	95
32) 1,1,1-Trichloroethane	4.27	97	72103	24.32	ug/l	94
36) 1,1-Dichloropropene	4.46	75	45190	19.94	ug/l	96
37) Ethyl Acetate	4.26	43	21542	15.90	ug/l #	56
38) Carbon Tetrachloride	4.16	117	65442	24.94	ug/l	95

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBSD01

Quant Time: Aug 25 03:44:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	45361	21.35	ug/l	97
40) Benzene	4.80	78	114080	23.05	ug/l	100
41) Methacrylonitrile	4.90	41	11203	16.34	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	58420	22.01	ug/l	97
43) Isopropyl Acetate	7.10	43	24564	14.40	ug/l #	99
44) Trichloroethene	5.67	130	36437	22.27	ug/l	92
45) 1,2-Dichloropropane	6.40	63	30294	21.64	ug/l	96
46) Dibromomethane	6.25	93	24259	22.14	ug/l	95
47) Bromodichloromethane	6.54	83	59136	22.35	ug/l	88
48) Methyl methacrylate	6.86	41	16843	14.92	ug/l	91
49) 1,4-Dioxane	6.85	88	3607	332.91	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	139631	94.80	ug/l	97
52) Toluene	7.78	92	83565	23.66	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	50739	21.14	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	56898	21.24	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	27115	20.30	ug/l	94
56) Ethyl methacrylate	8.76	69	27891	17.25	ug/l	97
57) 1,3-Dichloropropane	8.99	76	45298	19.30	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	14816	115.46	ug/l	100
59) 2-Hexanone	9.62	43	116042	97.34	ug/l	93
60) Dibromochloromethane	8.86	129	40571	20.58	ug/l	97
61) 1,2-Dibromoethane	9.13	107	30850	19.67	ug/l	96
64) Tetrachloroethene	8.30	164	39353	21.84	ug/l	91
65) Chlorobenzene	9.94	112	111054	21.99	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	38250	19.97	ug/l	98
67) Ethyl Benzene	10.04	91	203999	23.41	ug/l	99
68) m/p-Xylenes	10.26	106	152907	48.81	ug/l	98
69) o-Xylene	10.83	106	76954	22.54	ug/l	98
70) Styrene	10.91	104	129771	24.77	ug/l	98
71) Bromoform	10.89	173	24712	18.49	ug/l	95
73) Isopropylbenzene	11.23	105	238515	23.85	ug/l	99
74) N-amyl acetate	11.46	43	53378	17.17	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	44654	20.45	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	32010	18.90	ug/l	95
77) Bromobenzene	11.60	156	58989	21.69	ug/l	95
78) n-propylbenzene	11.68	91	314475	25.48	ug/l	97
79) 2-Chlorotoluene	11.81	91	170691	23.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	209112	24.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	19445	25.09	ug/l	94
82) 4-Chlorotoluene	11.99	91	184184	23.38	ug/l	100
83) tert-Butylbenzene	12.22	119	201434	23.71	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	213806	23.08	ug/l	98
85) sec-Butylbenzene	12.38	105	281104	23.76	ug/l	98
86) p-Isopropyltoluene	12.54	119	235380	23.98	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	118060	23.48	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	112439	22.50	ug/l	99
89) n-Butylbenzene	12.92	91	246318	25.83	ug/l	95
90) Hexachloroethane	13.00	117	50887	23.07	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	107056	22.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	7964	17.85	ug/l	88

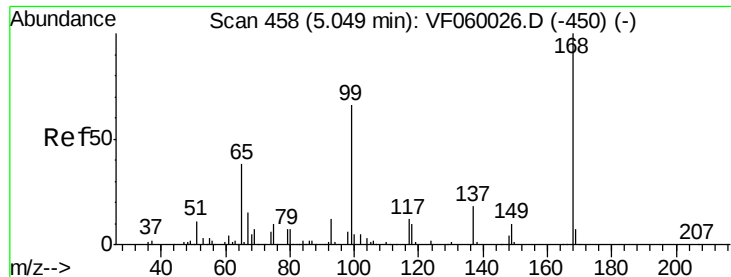
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082418\
Data File : VF060098.D
Acq On : 24 Aug 2018 14:24
Operator : VA/AP
Sample : VF0824SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBSD01

Quant Time: Aug 25 03:44:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	74272	20.86	ug/l	96
94) Hexachlorobutadiene	14.26	225	51767	23.36	ug/l	96
95) Naphthalene	14.52	128	83317	15.15	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	65945	19.41	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

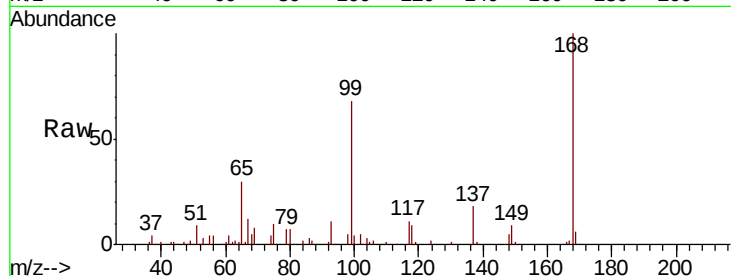
VF0824SBS01

Tot Ion:168 Resp: 157962

Ion Ratio Lower Upper

168 100

99 68.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

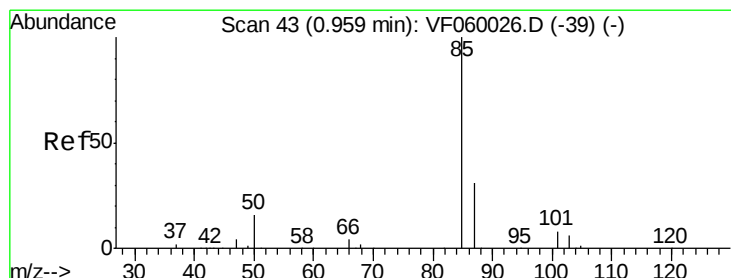
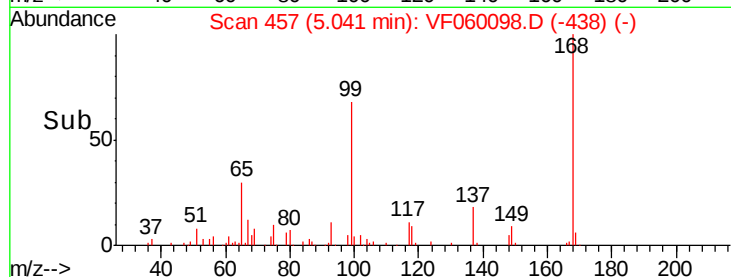
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 25.65 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060098.D

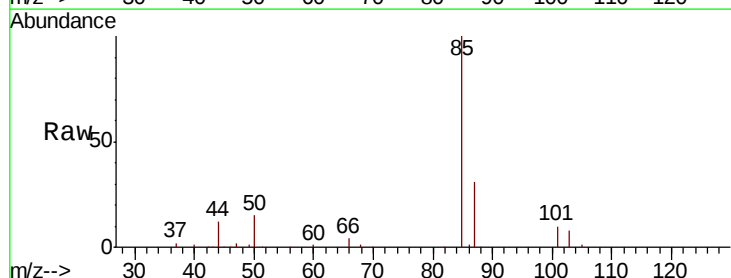
Acq: 24 Aug 2018 14:24

Tgt Ion: 85 Resp: 53349

Ion Ratio Lower Upper

85 100

87 31.0 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

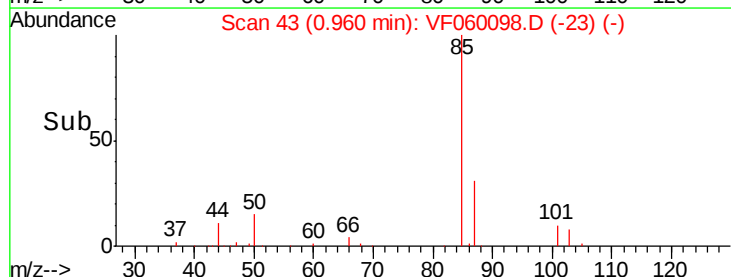
20000

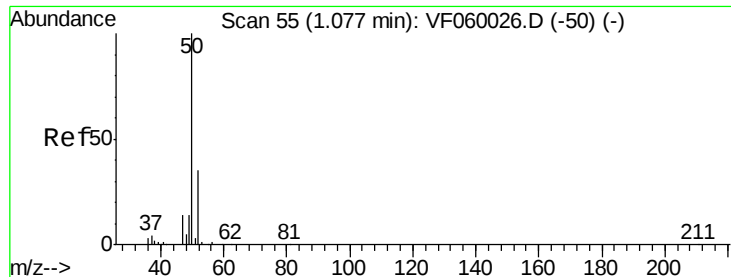
10000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 27.71 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

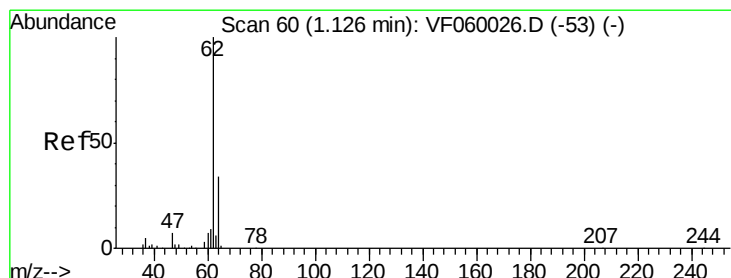
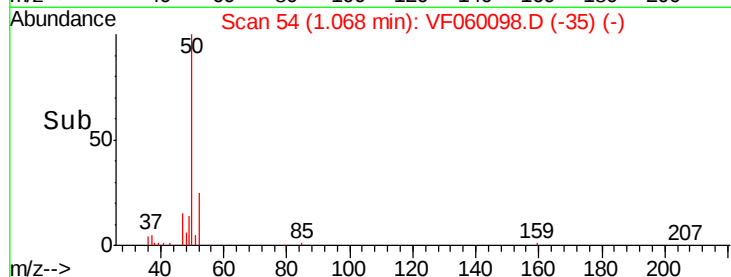
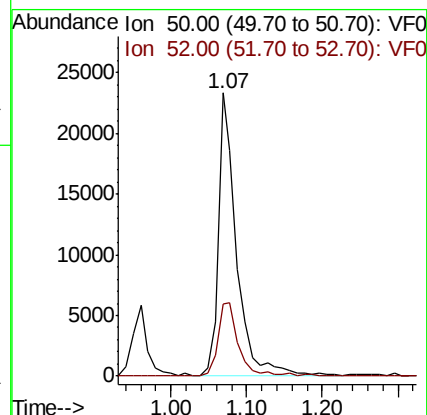
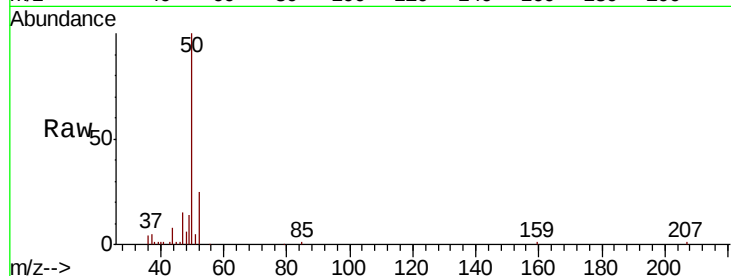
VF0824SBS01

Tot Ion: 50 Resp: 39633

Ion Ratio Lower Upper

50 100

52 25.4 27.6 41.4#



#4

Vinyl Chloride

Concen: 23.83 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060098.D

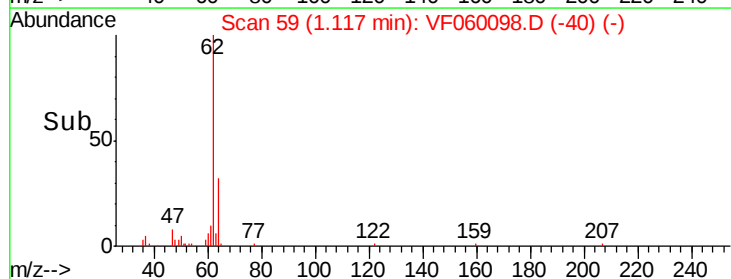
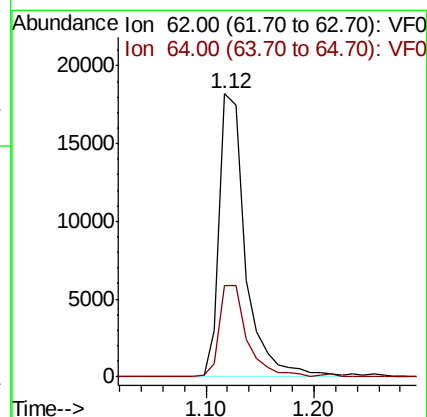
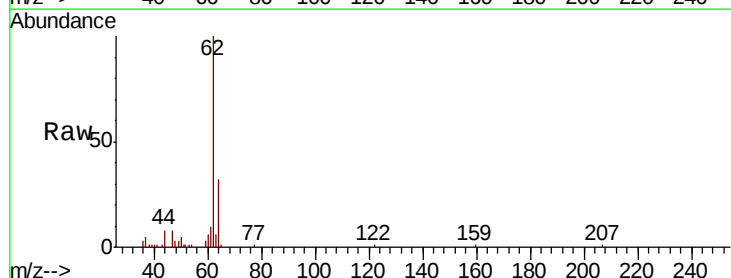
Acq: 24 Aug 2018 14:24

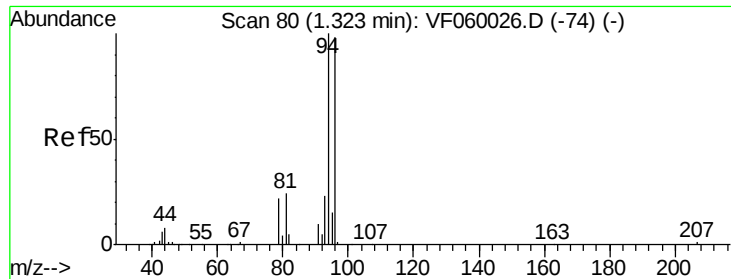
Tgt Ion: 62 Resp: 30770

Ion Ratio Lower Upper

62 100

64 32.4 27.4 41.2





#5

Bromomethane

Concen: 20.01 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

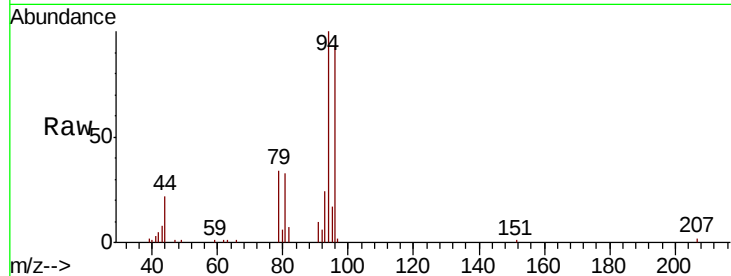
VF0824SBS01

Tot Ion: 94 Resp: 19630

Ion Ratio Lower Upper

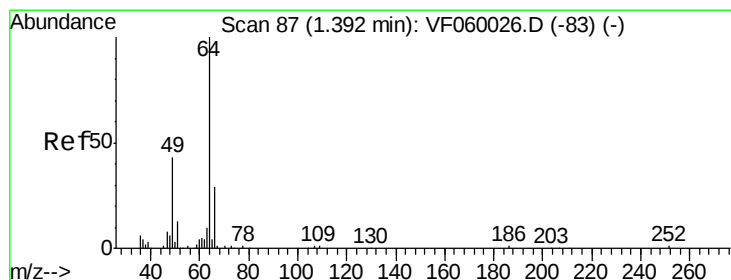
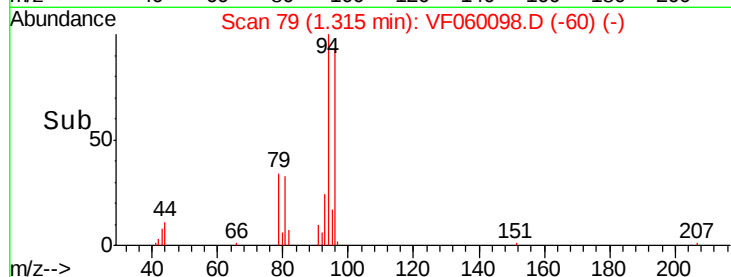
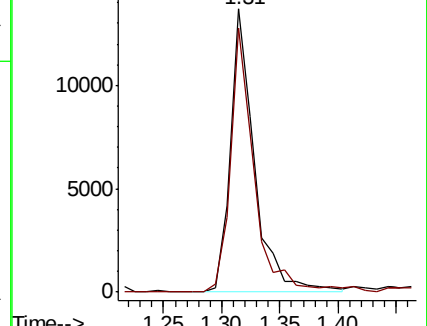
94 100

96 93.4 78.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 24.69 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060098.D

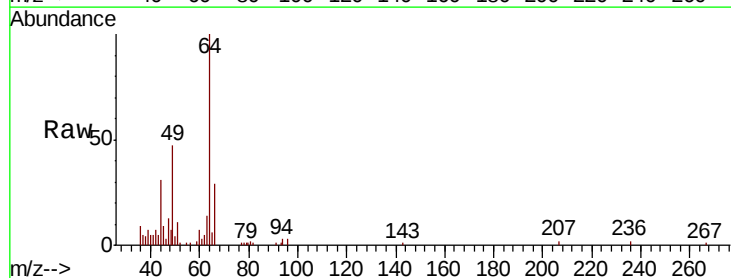
Acq: 24 Aug 2018 14:24

Tgt Ion: 64 Resp: 12568

Ion Ratio Lower Upper

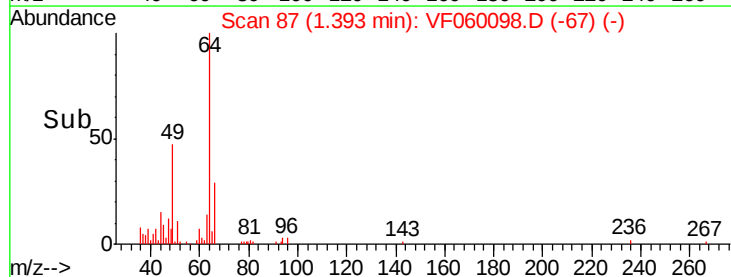
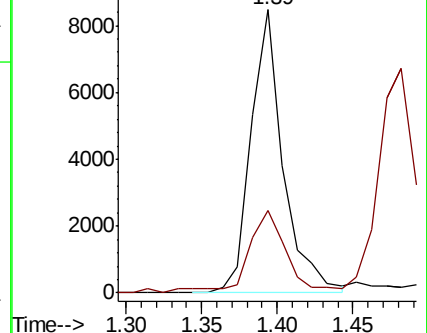
64 100

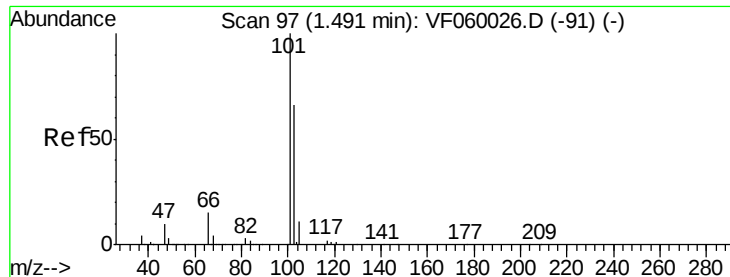
66 29.0 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 30.27 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

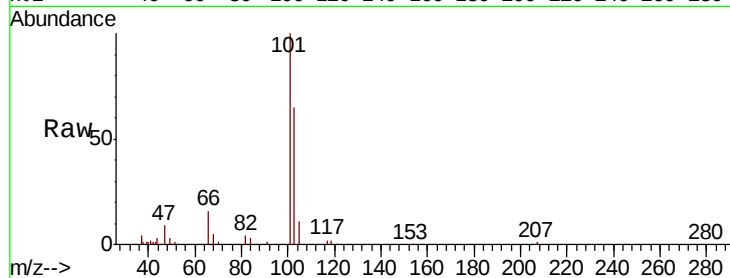
VF0824SBS01

Tot Ion:101 Resp: 78600

Ion Ratio Lower Upper

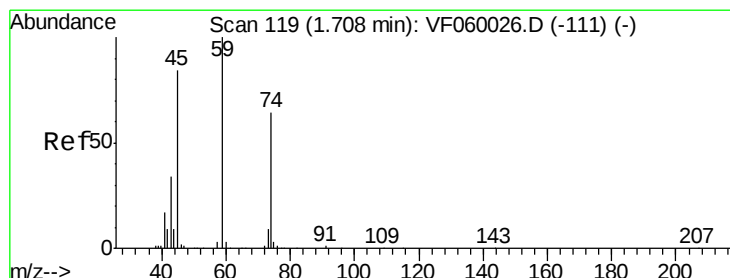
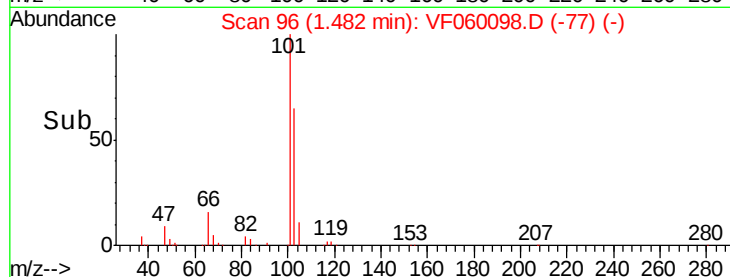
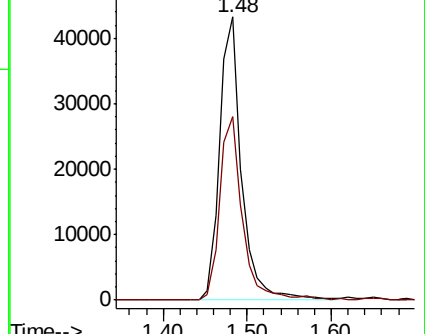
101 100

103 64.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.33 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060098.D

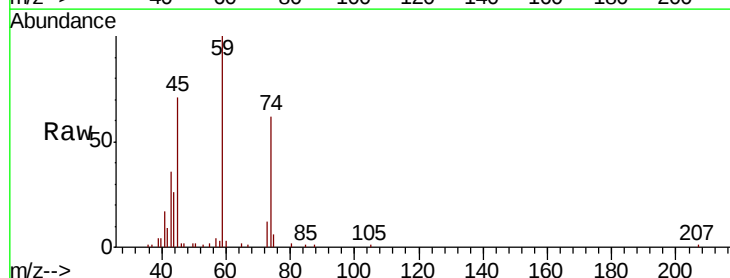
Acq: 24 Aug 2018 14:24

Tgt Ion: 74 Resp: 8507

Ion Ratio Lower Upper

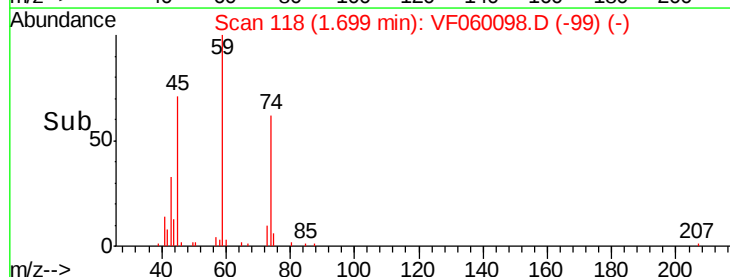
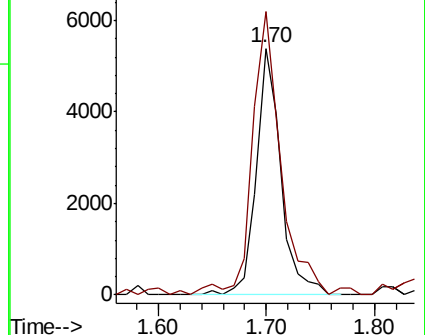
74 100

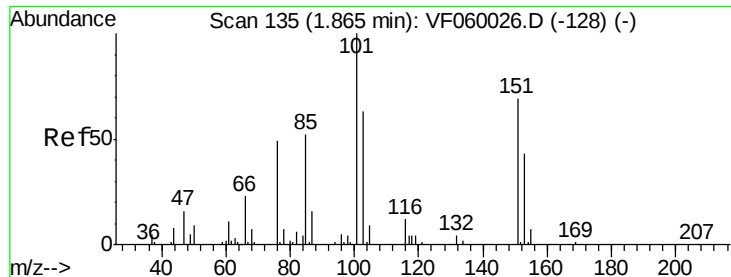
45 114.7 66.0 198.0



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: 23.37 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

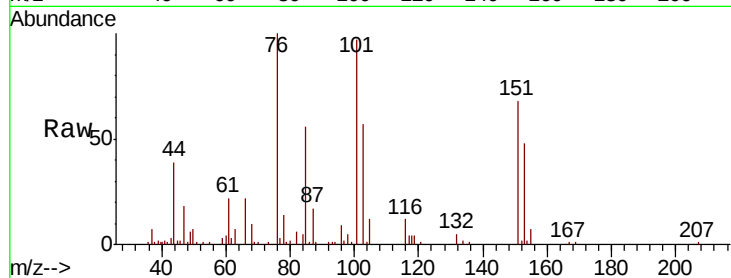
Tot Ion:101 Resp: 31850

Ion Ratio Lower Upper

101 100

85 58.1 41.5 62.3

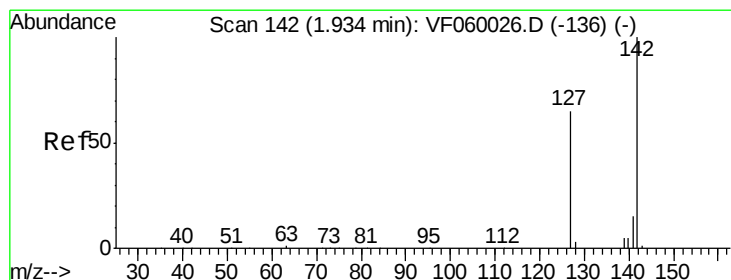
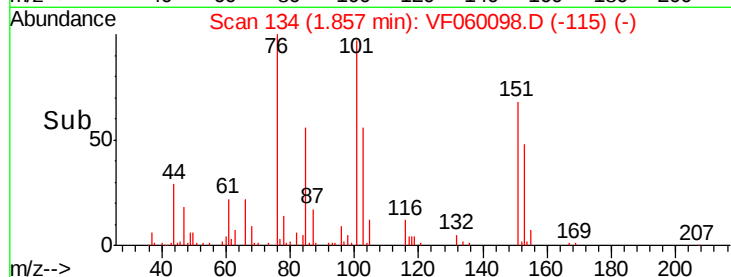
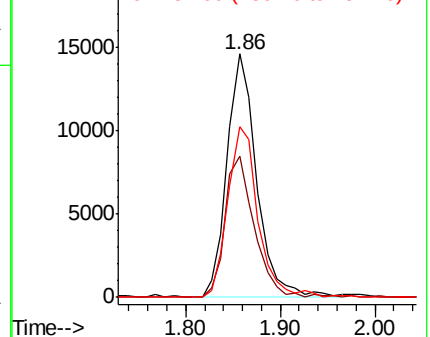
151 70.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 19.42 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

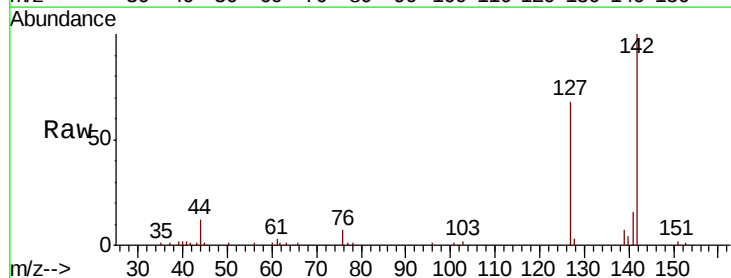
Tgt Ion:142 Resp: 34993

Ion Ratio Lower Upper

142 100

127 67.6 51.8 77.6

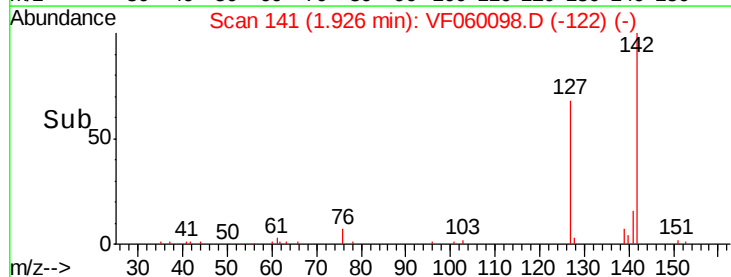
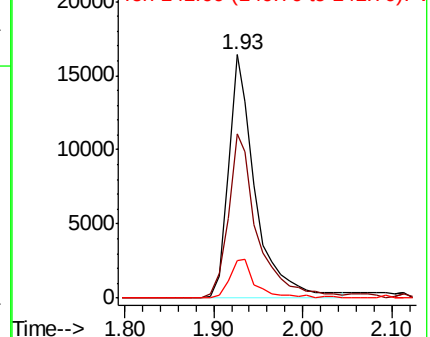
141 15.6 11.9 17.9

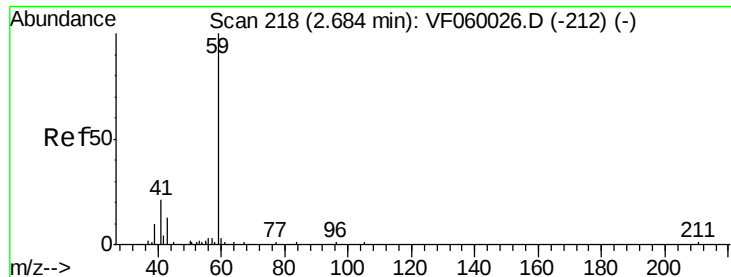


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

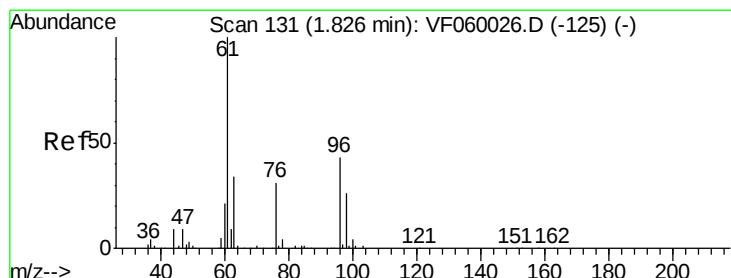
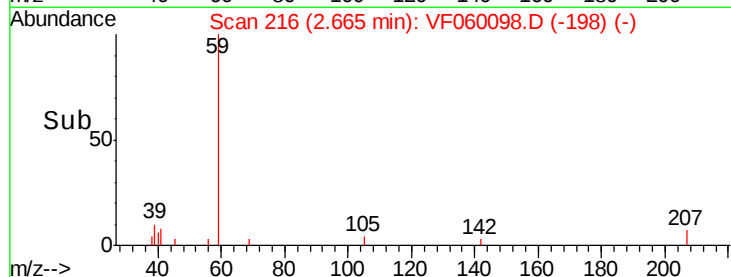
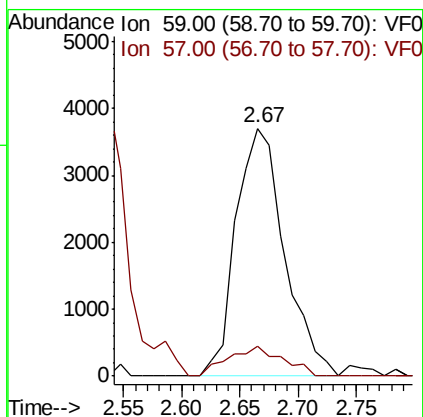
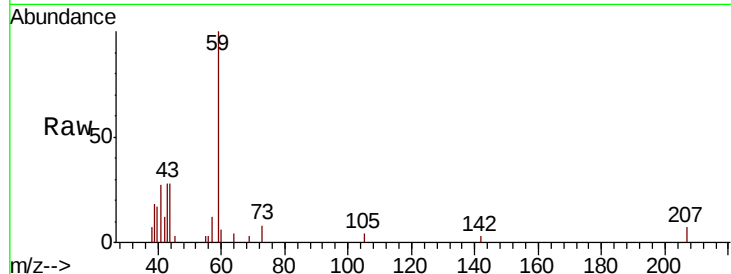




#11
Tert butyl alcohol
Concen: 93.01 ug/l
RT: 2.67 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

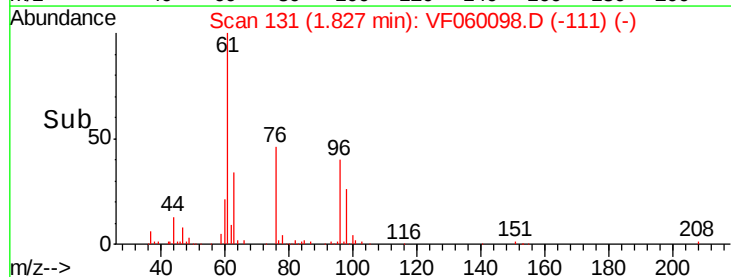
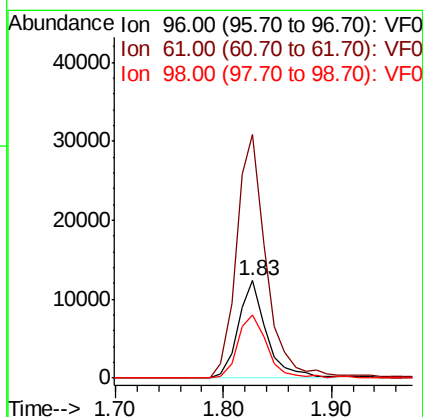
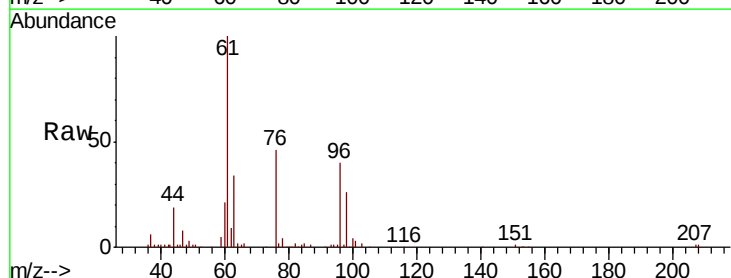
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

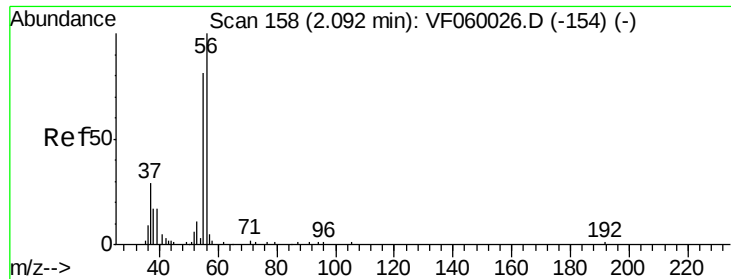
Tot Ion: 59 Resp: 10697
Ion Ratio Lower Upper
59 100
57 12.3 5.4 8.2#



#12
1,1-Dichloroethene
Concen: 22.46 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 96 Resp: 22552
Ion Ratio Lower Upper
96 100
61 249.9 185.0 277.6
98 65.3 47.8 71.8





#13

Acrolein

Concen: 69.83 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

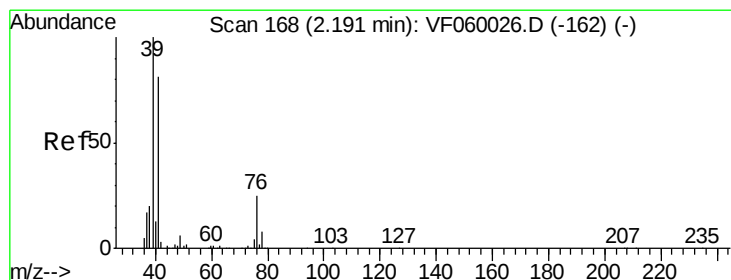
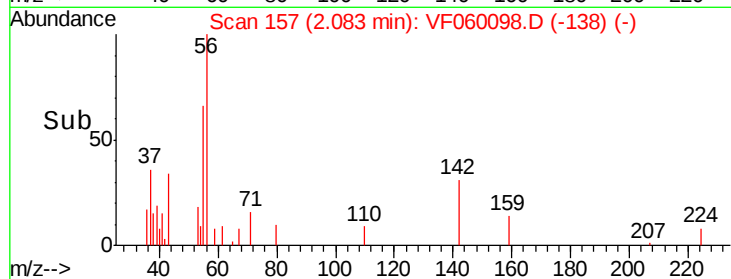
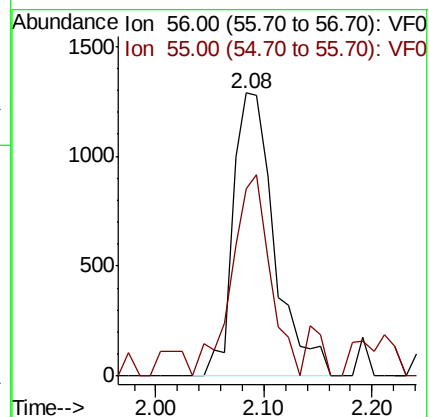
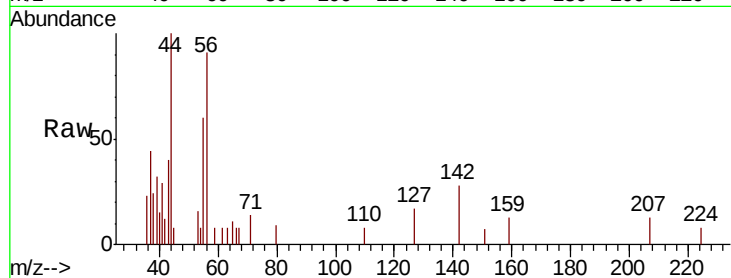
VF0824SBSD01

Tot Ion: 56 Resp: 3417

Ion Ratio Lower Upper

56 100

55 66.1 65.6 98.4



#14

Allyl chloride

Concen: 20.94 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

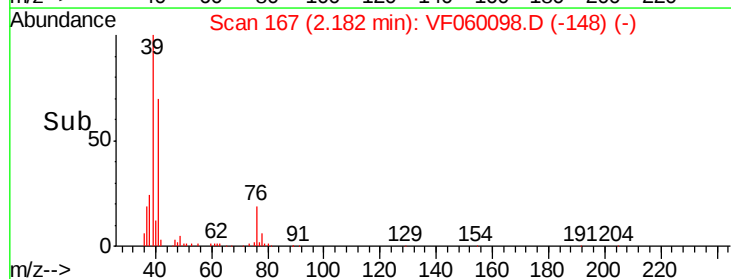
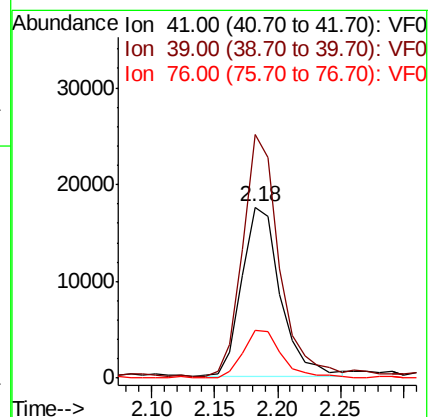
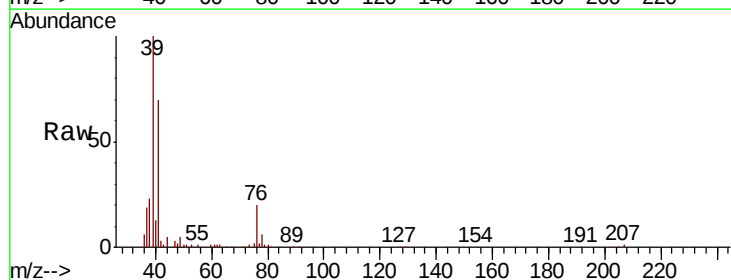
Tgt Ion: 41 Resp: 37339

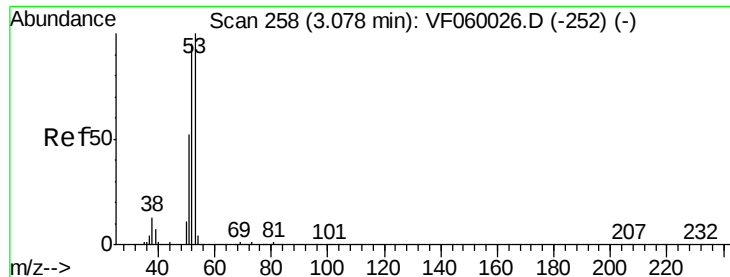
Ion Ratio Lower Upper

41 100

39 142.5 99.3 148.9

76 28.1 24.3 36.5





#15

Acrylonitrile

Concen: 112.42 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

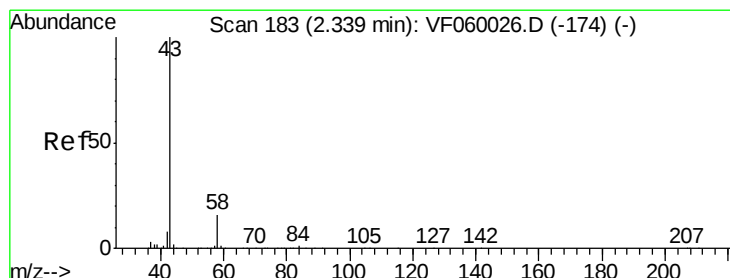
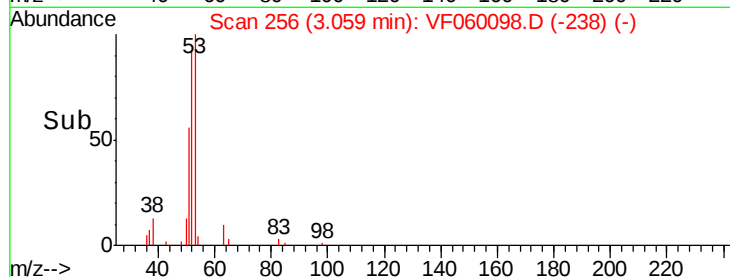
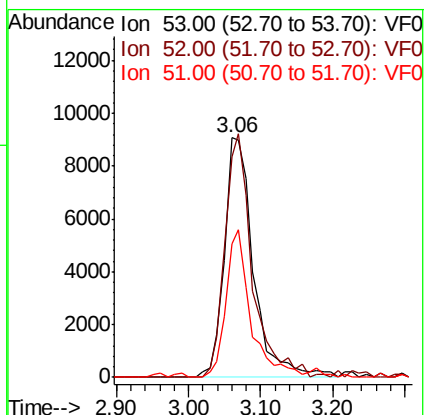
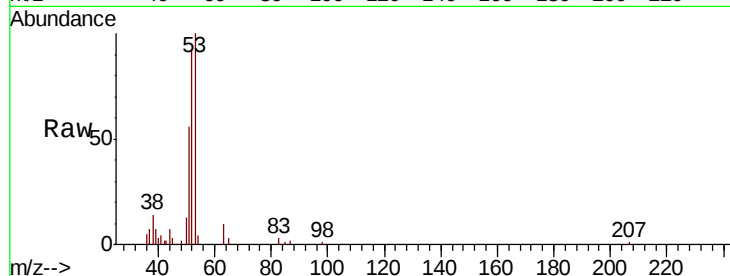
Tot Ion: 53 Resp: 25515

Ion Ratio Lower Upper

53 100

52 92.0 75.8 113.8

51 55.6 42.1 63.1



#16

Acetone

Concen: 104.36 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060098.D

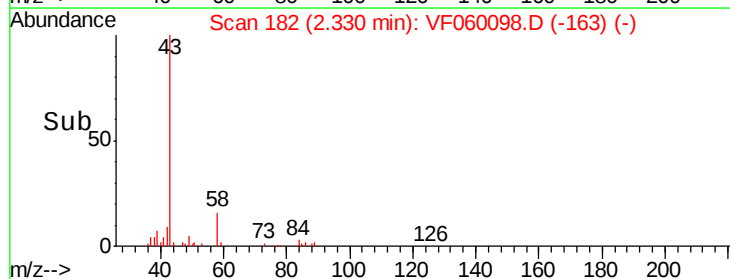
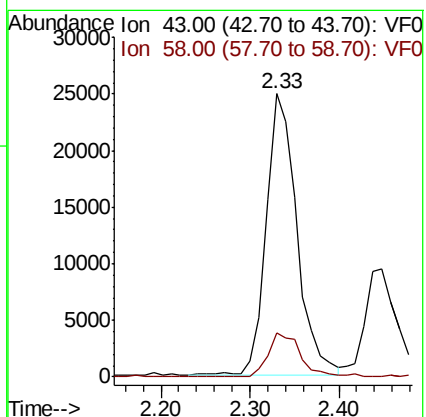
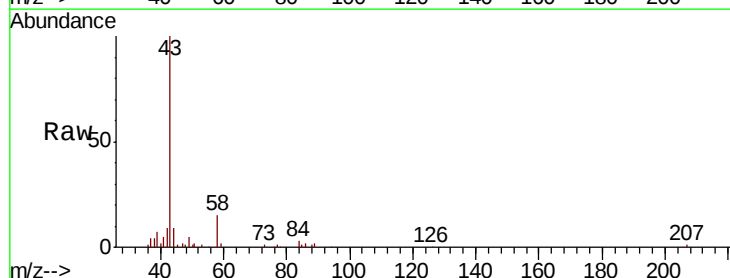
Acq: 24 Aug 2018 14:24

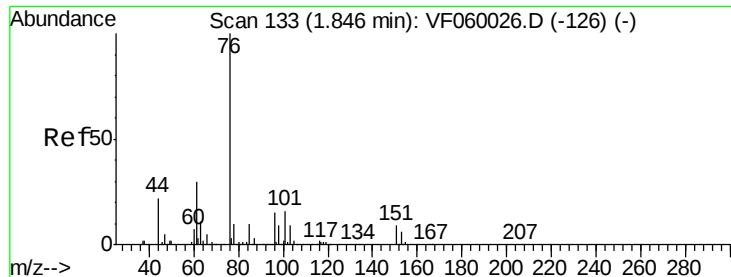
Tgt Ion: 43 Resp: 59299

Ion Ratio Lower Upper

43 100

58 15.4 12.6 19.0

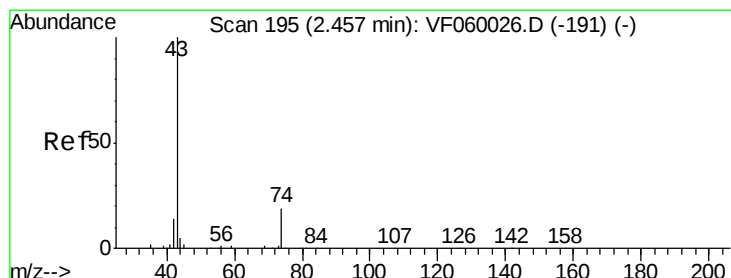
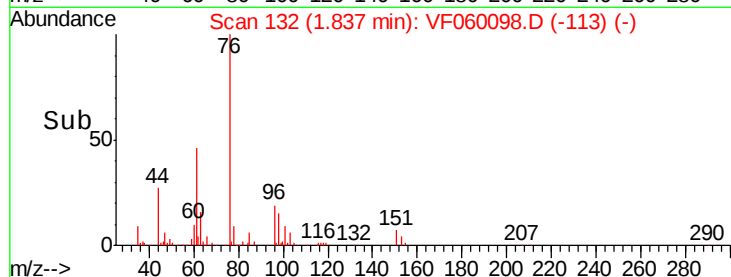
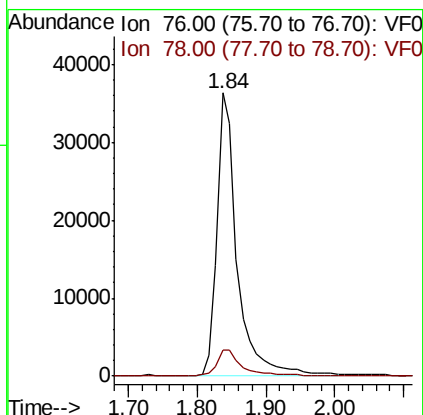
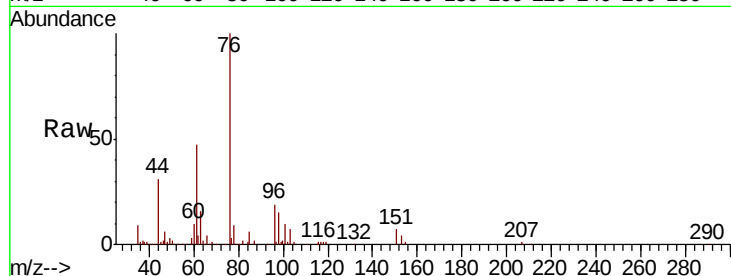




#17
Carbon Disulfide
Concen: 23.62 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

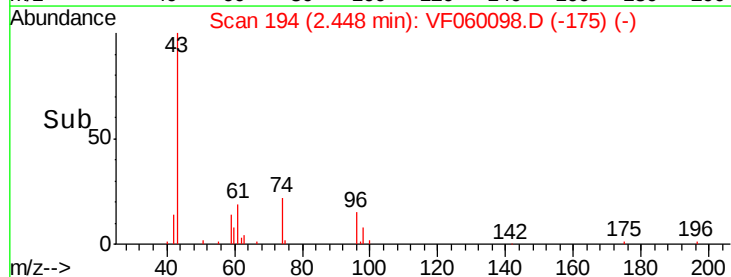
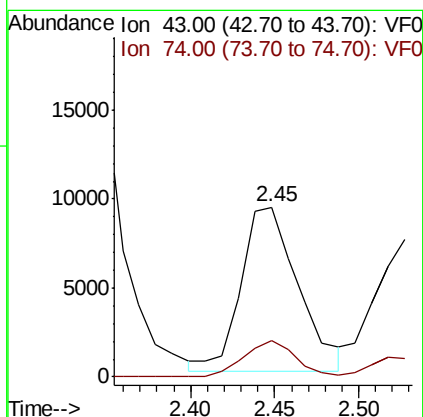
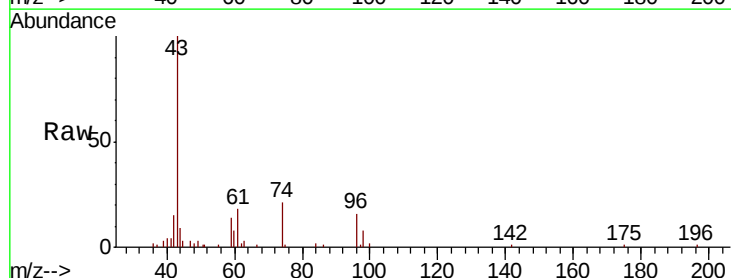
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion: 76 Resp: 74244
Ion Ratio Lower Upper
76 100
78 9.4 8.4 12.6



#18
Methyl Acetate
Concen: 20.07 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 43 Resp: 21872
Ion Ratio Lower Upper
43 100
74 21.2 13.8 20.6#



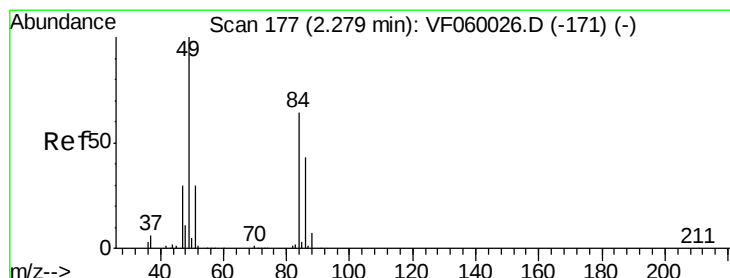
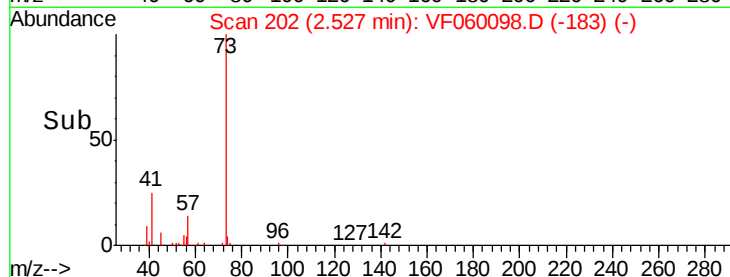
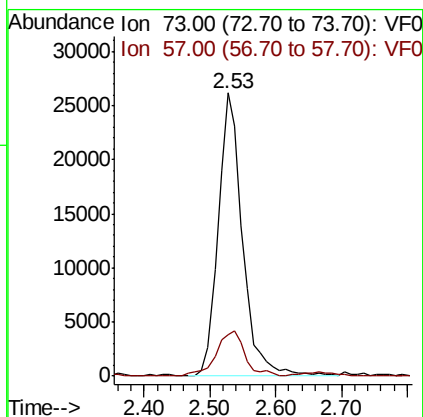
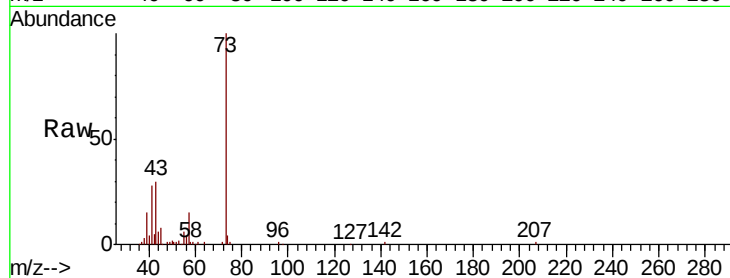


#19

Methyl tert-butyl Ether
 Concen: 20.85 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

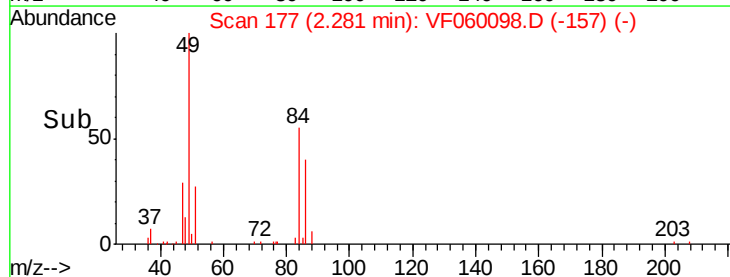
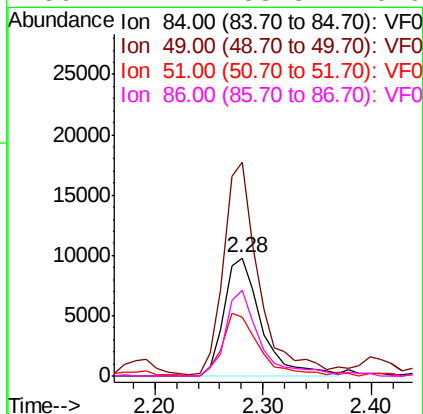
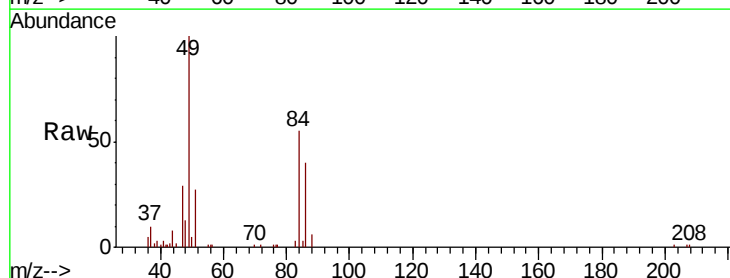
Tot Ion: 73 Resp: 67078
 Ion Ratio Lower Upper
 73 100
 57 14.5 13.7 20.5

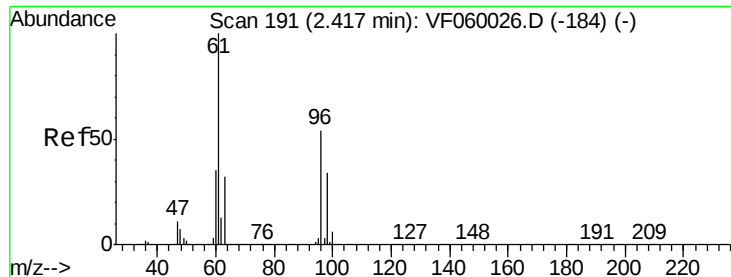


#20

Methylene Chloride
 Concen: 17.66 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion: 84 Resp: 23473
 Ion Ratio Lower Upper
 84 100
 49 180.4 125.4 188.0
 51 49.5 38.3 57.5
 86 72.2 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 32.07 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

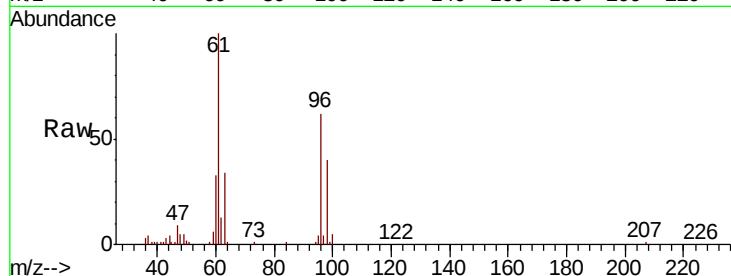
Tot Ion: 96 Resp: 36036

Ion Ratio Lower Upper

96 100

61 160.9 147.4 221.0

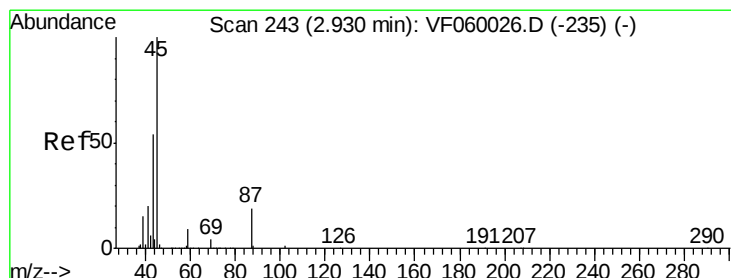
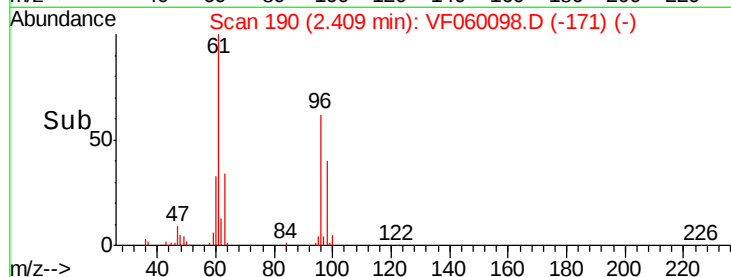
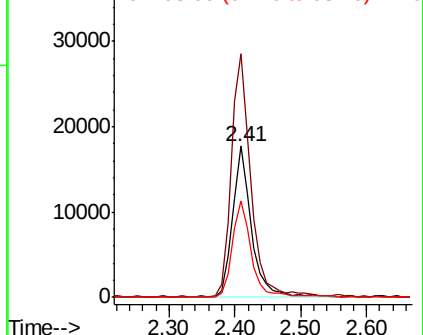
98 63.9 49.8 74.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 21.82 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion: 45 Resp: 87127

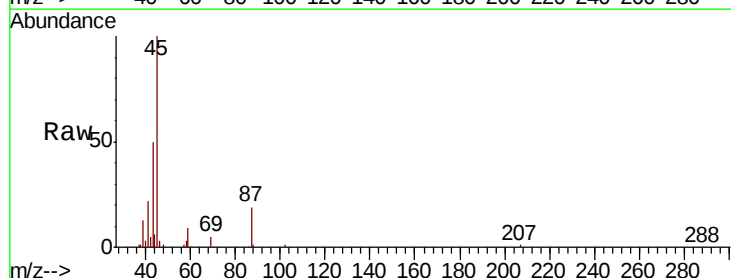
Ion Ratio Lower Upper

45 100

43 50.2 43.4 65.2

87 19.4 15.4 23.2

59 9.4 7.5 11.3

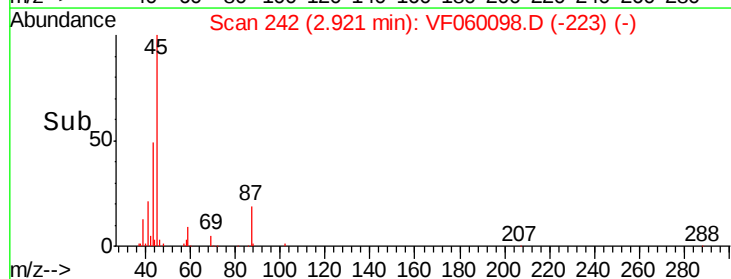
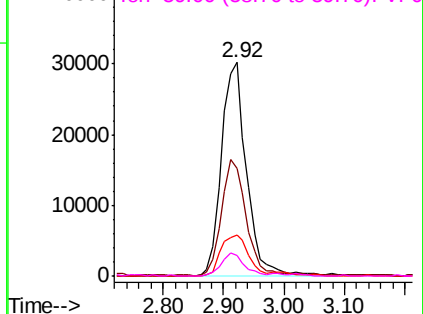


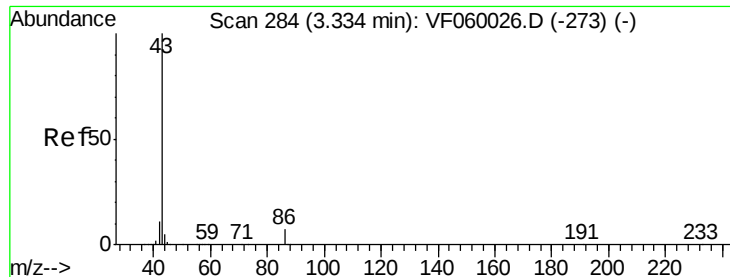
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 91.22 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

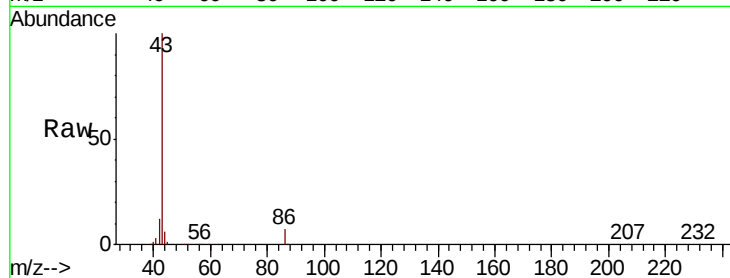
VF0824SBS01

Tot Ion: 43 Resp: 192980

Ion Ratio Lower Upper

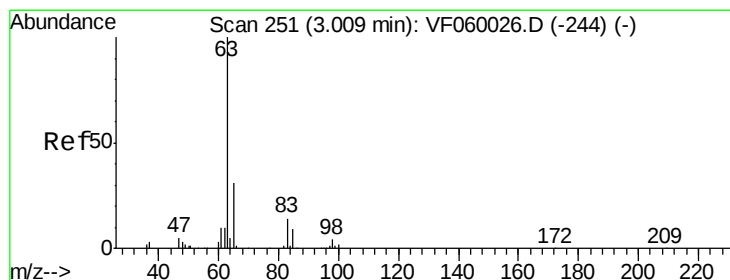
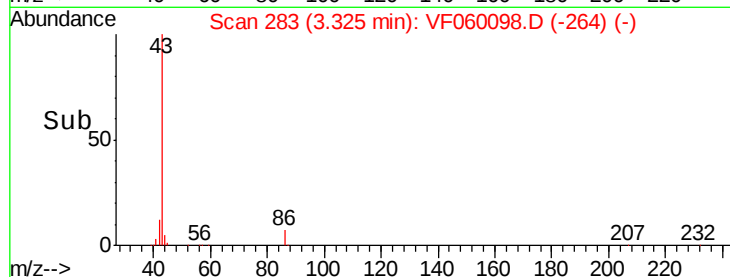
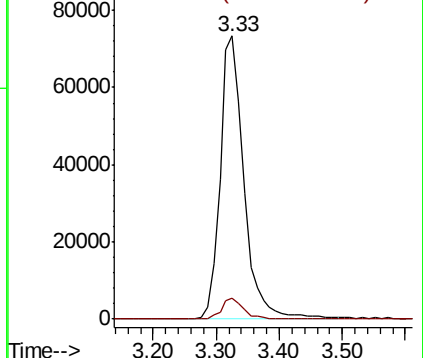
43 100

86 7.4 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 29.02 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

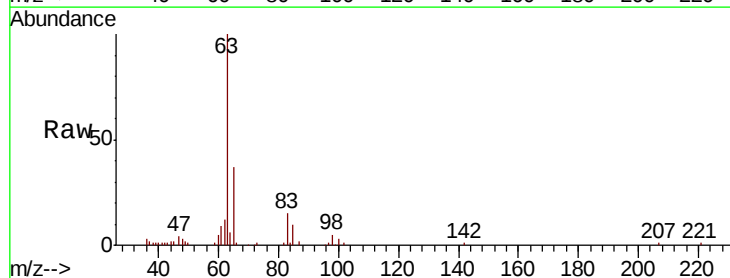
Tgt Ion: 63 Resp: 71582

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

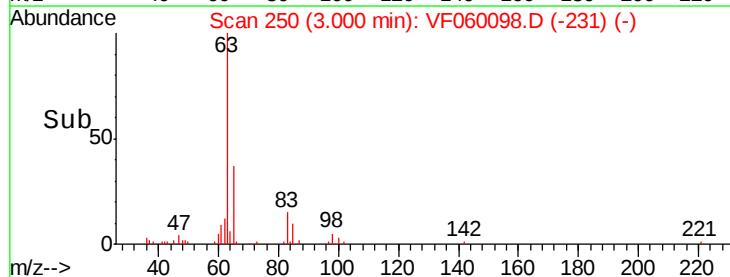
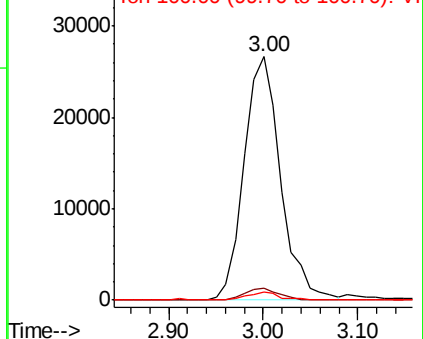
100 3.3 1.1 3.3

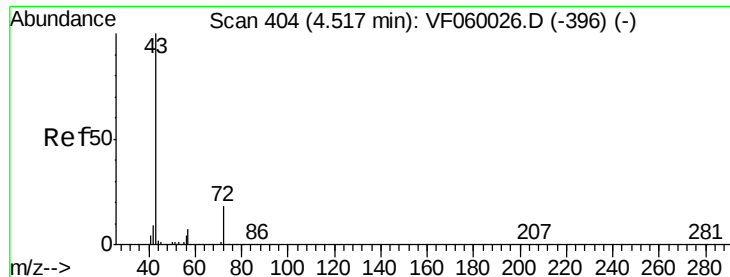


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 90.28 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

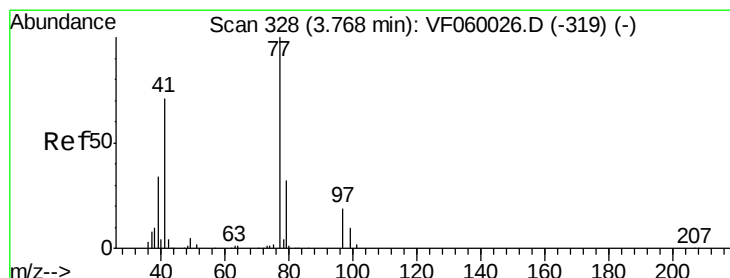
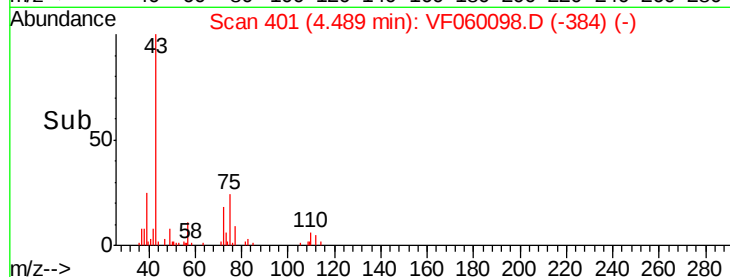
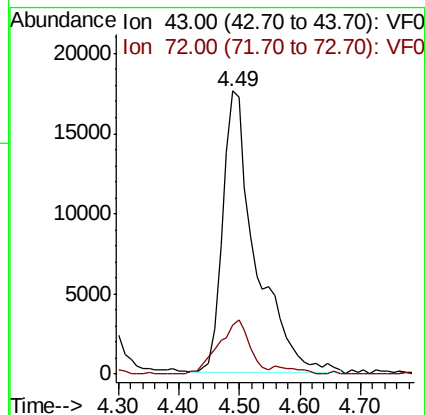
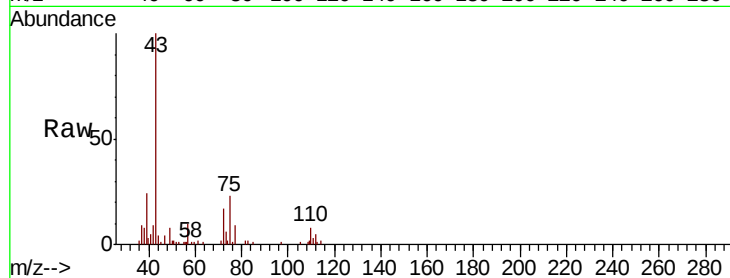
VF0824SBS01

Tot Ion: 43 Resp: 66628

Ion Ratio Lower Upper

43 100

72 17.4 15.0 22.6



#26

2,2-Dichloropropane

Concen: 24.50 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060098.D

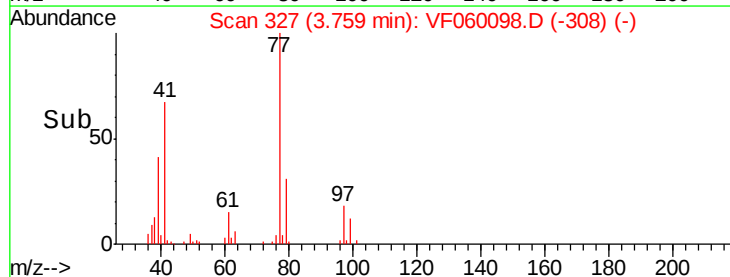
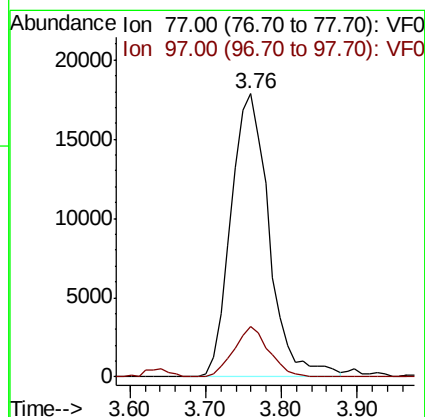
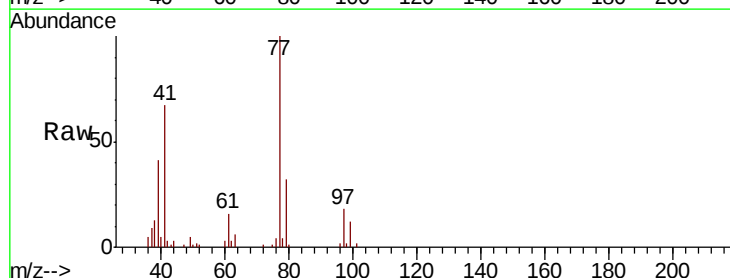
Acq: 24 Aug 2018 14:24

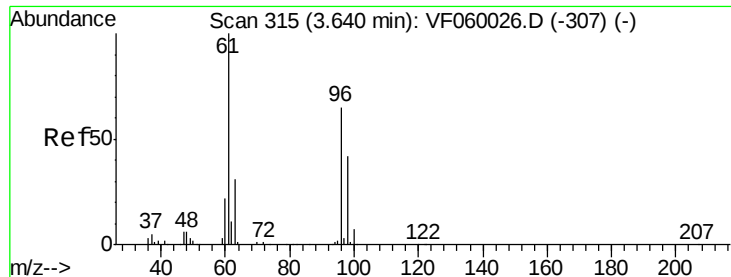
Tgt Ion: 77 Resp: 62532

Ion Ratio Lower Upper

77 100

97 17.8 9.7 29.1



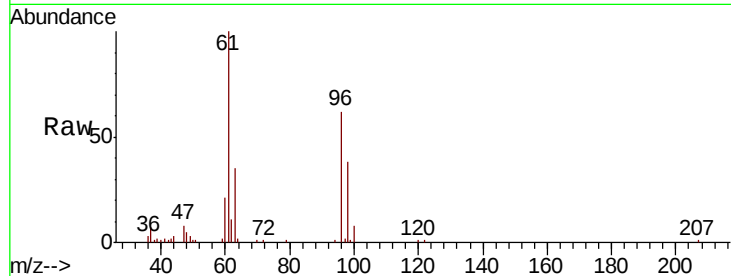


#27

cis-1,2-Dichloroethene
 Concen: 21.57 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	96	Resp	34344
Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	307.6
98	61.4	0.0	128.4

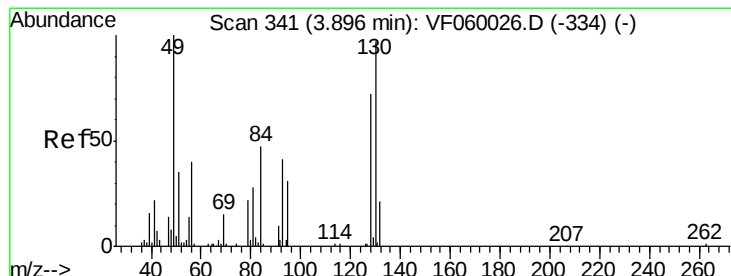
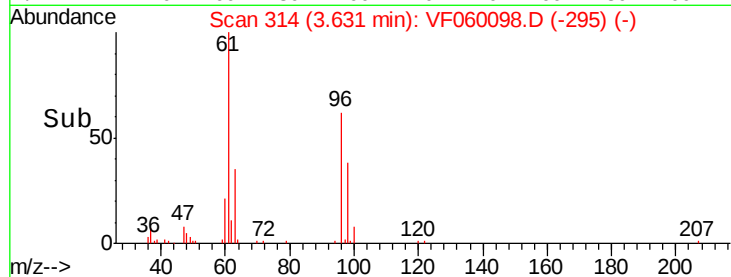
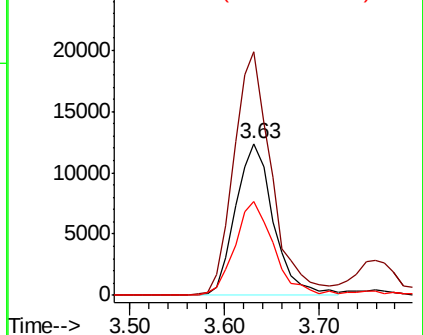


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

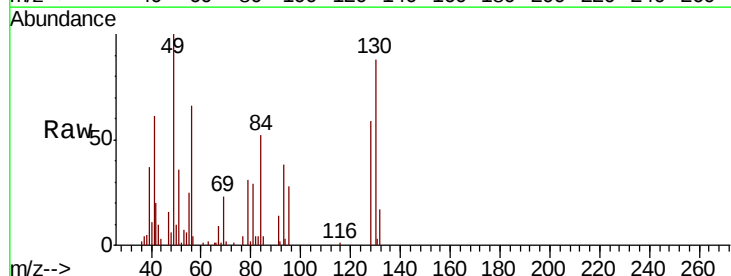
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 23.82 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion	49	Resp	24807
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	87.5	78.0	117.0

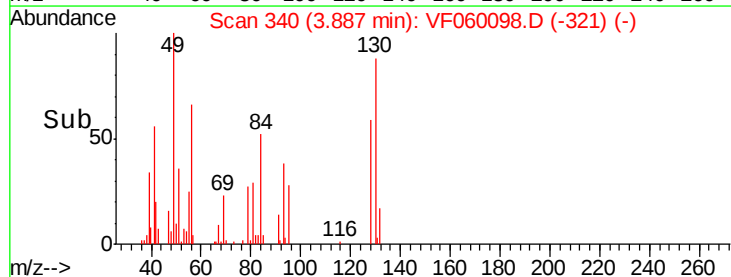
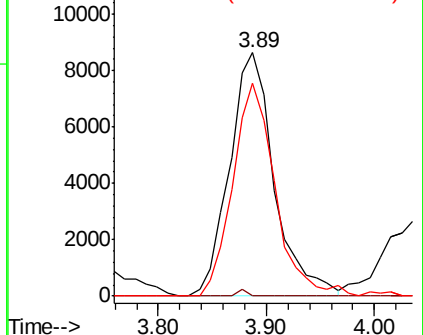


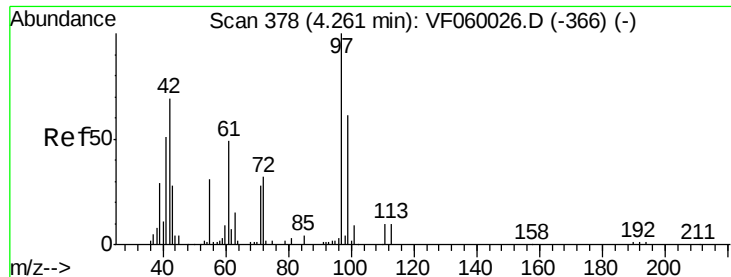
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 74.51 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

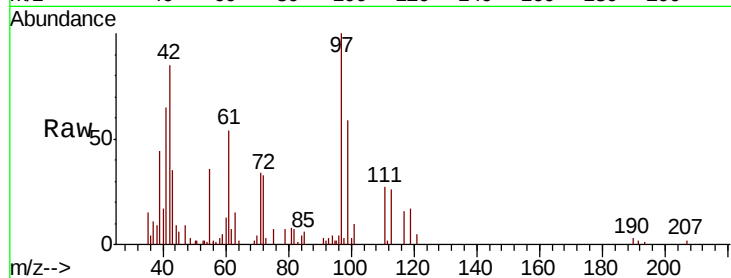
Tot Ion: 42 Resp: 20762

Ion Ratio Lower Upper

42 100

72 42.4 31.4 47.2

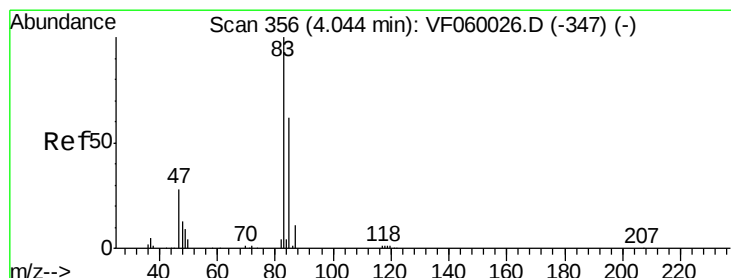
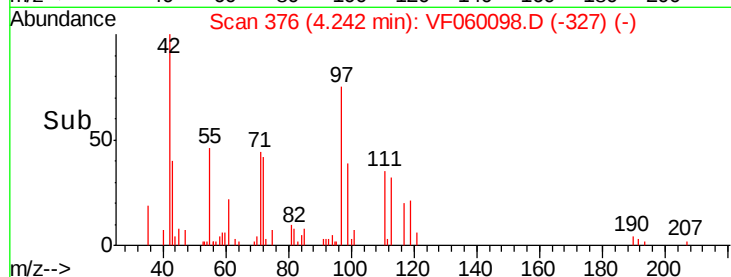
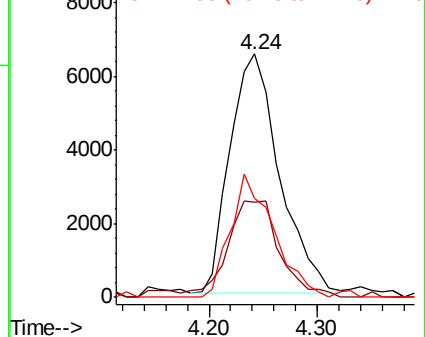
71 44.9 29.7 44.5#



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: 23.59 ug/l

RT: 4.04 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF060098.D

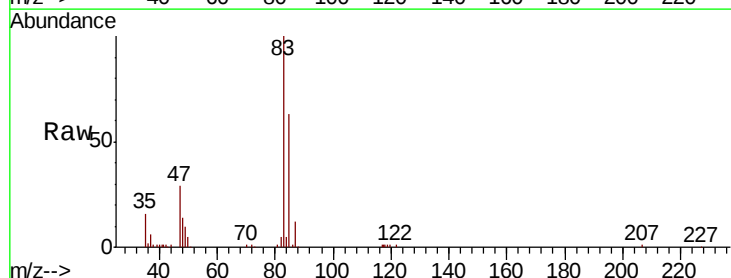
Acq: 24 Aug 2018 14:24

Tgt Ion: 83 Resp: 81676

Ion Ratio Lower Upper

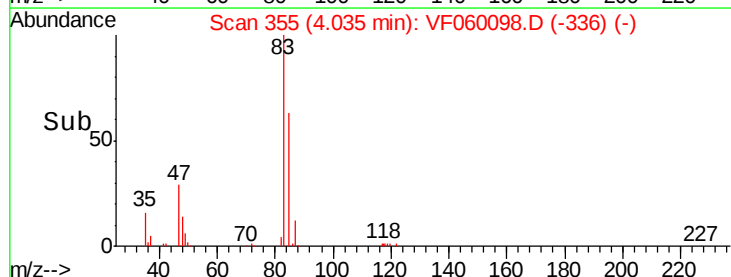
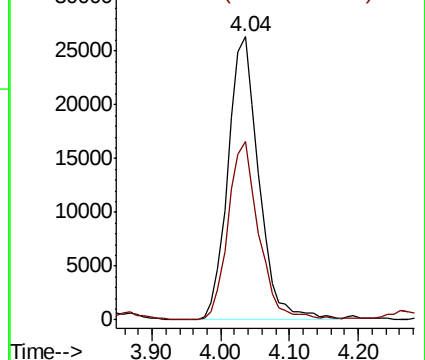
83 100

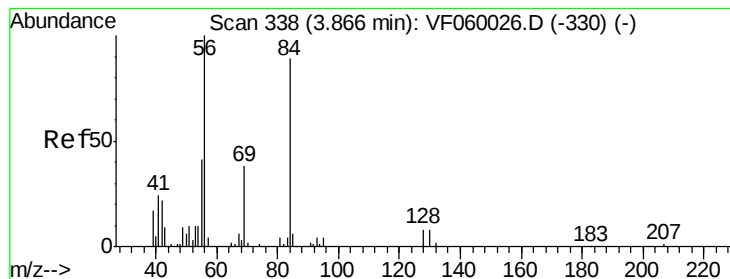
85 63.3 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 23.08 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

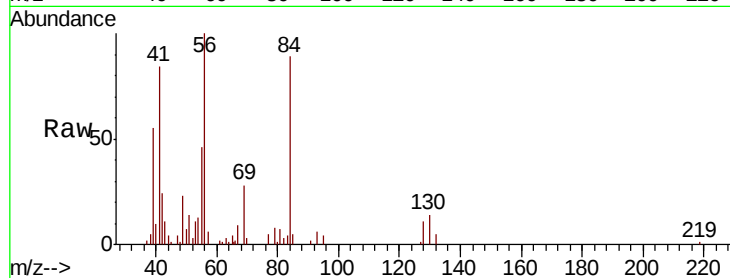
Tot Ion: 56 Resp: 43384

Ion Ratio Lower Upper

56 100

69 28.5 30.4 45.6#

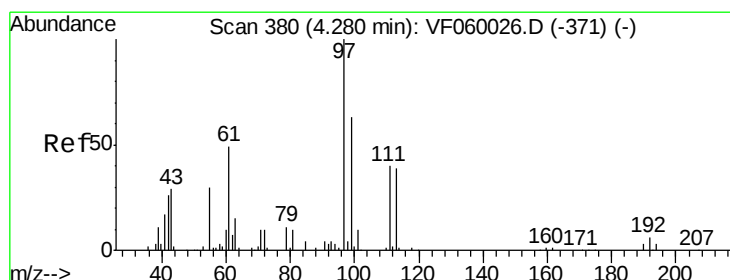
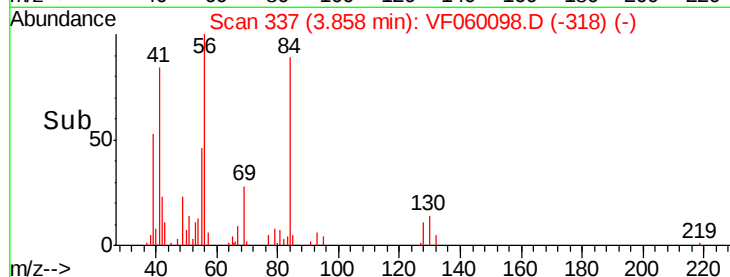
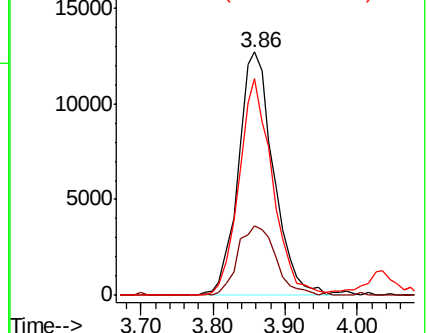
84 89.1 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 24.32 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

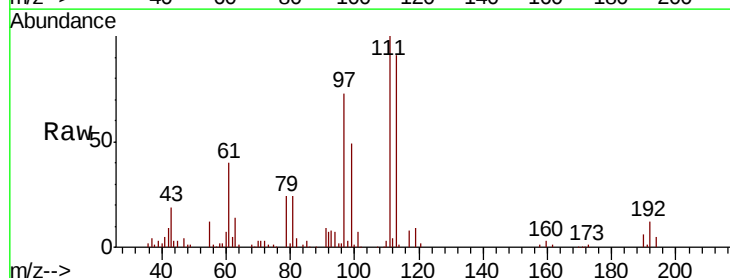
Tgt Ion: 97 Resp: 72103

Ion Ratio Lower Upper

97 100

99 67.4 50.3 75.5

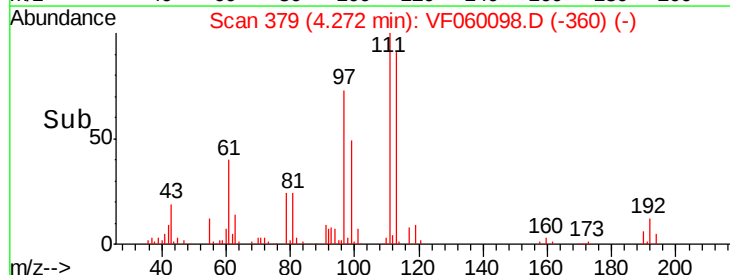
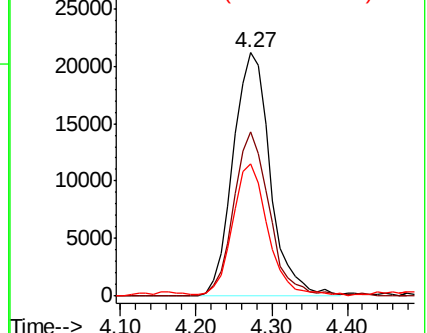
61 54.2 40.3 60.5

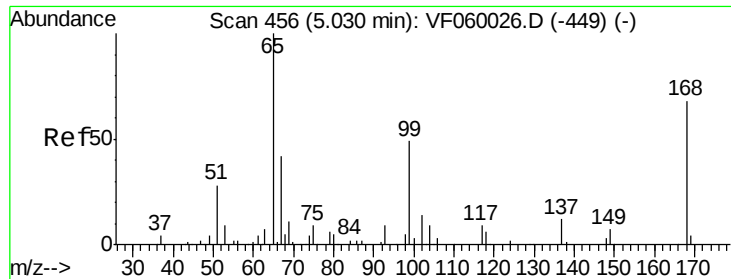


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

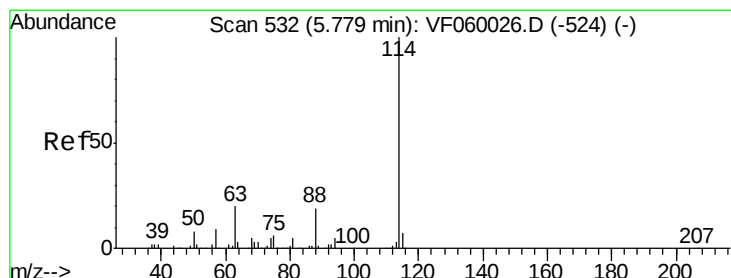
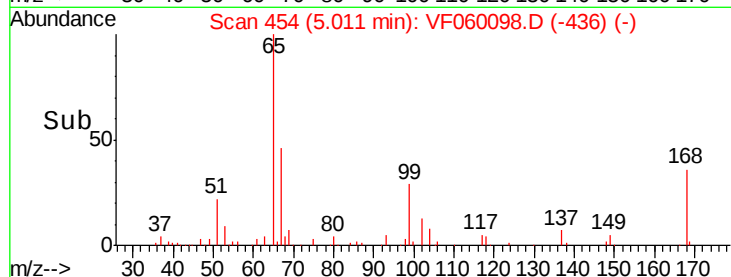
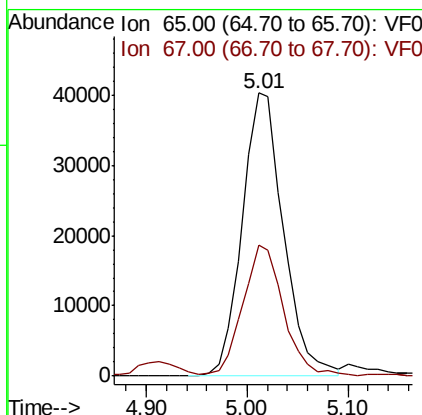
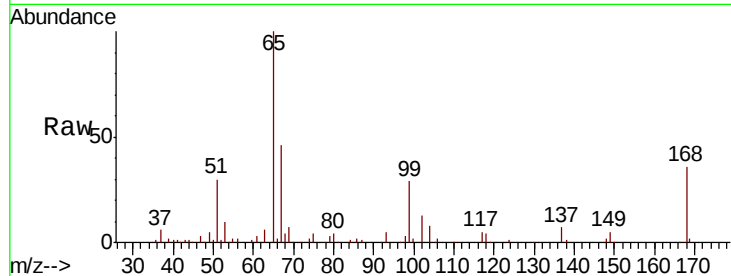




#33
 1,2-Dichloroethane-d4
 Concen: 53.11 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

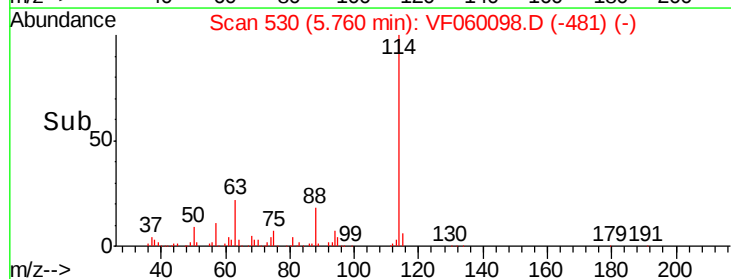
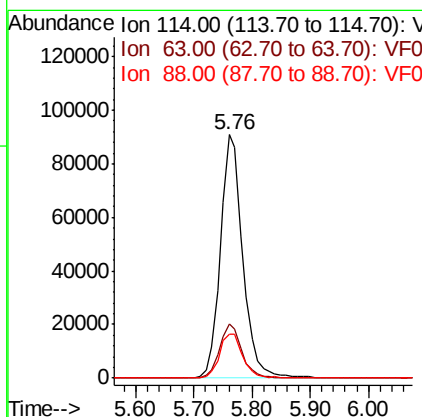
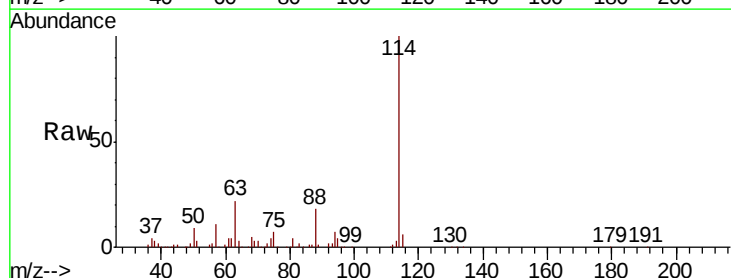
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

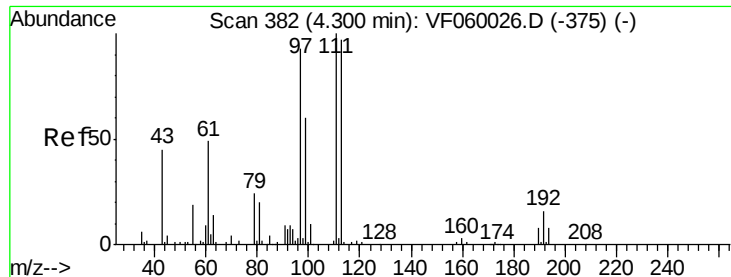
Tot Ion: 65 Resp: 114826
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion: 114 Resp: 241125
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 40.4
 88 17.9 0.0 38.6

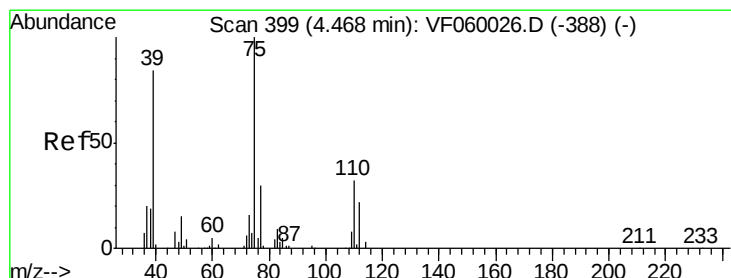
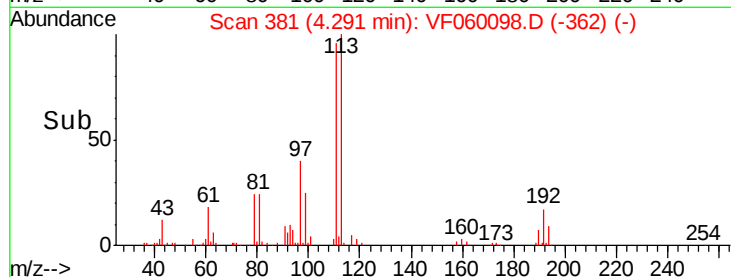
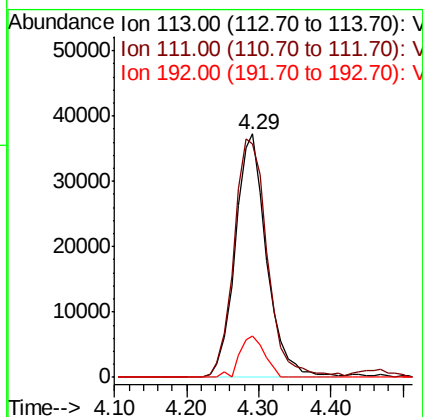
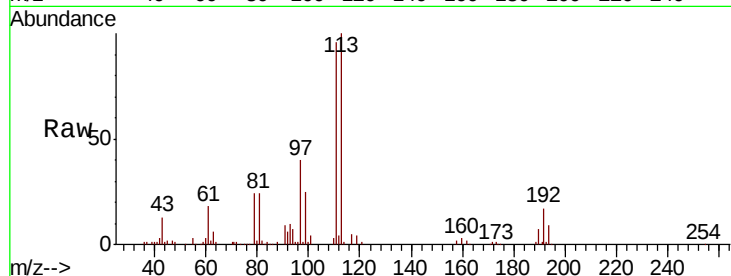




#35
 Dibromofluoromethane
 Concen: 59.73 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

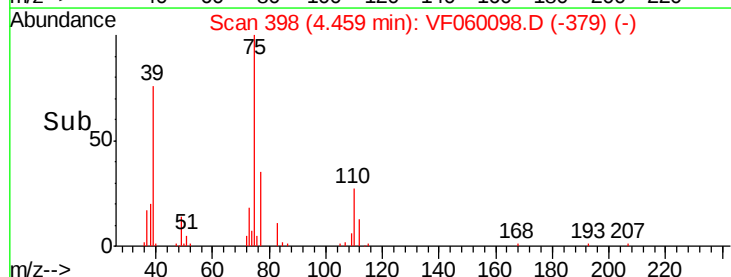
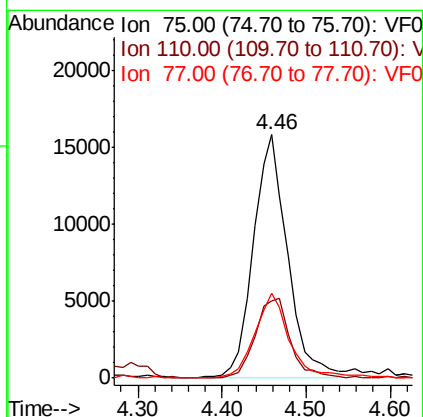
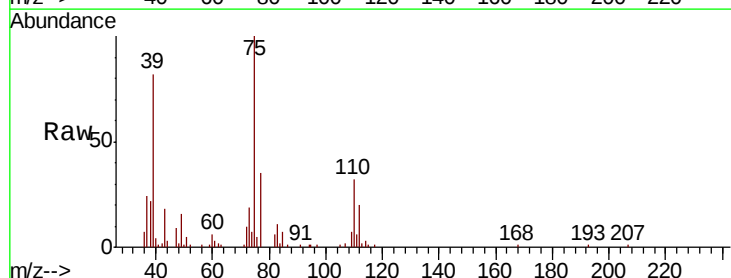
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

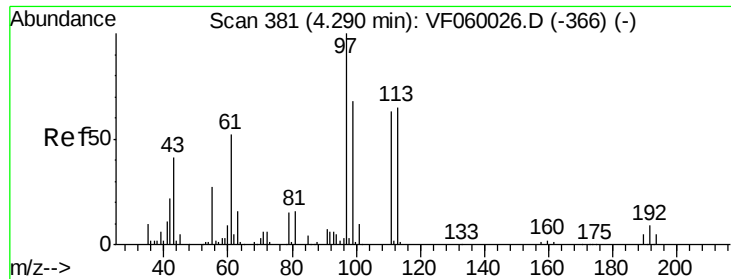
Tot Ion:113 Resp: 113086
 Ion Ratio Lower Upper
 113 100
 111 95.8 82.7 124.1
 192 17.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 19.94 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion: 75 Resp: 45190
 Ion Ratio Lower Upper
 75 100
 110 31.7 16.0 47.9
 77 34.6 24.1 36.1

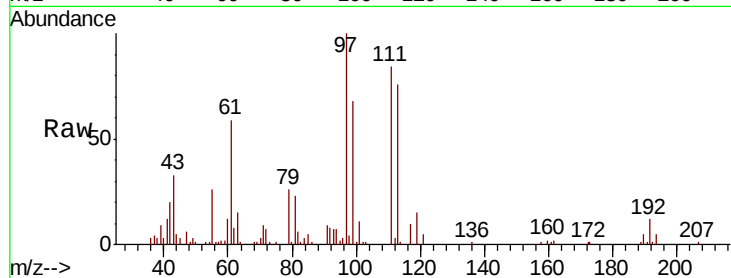




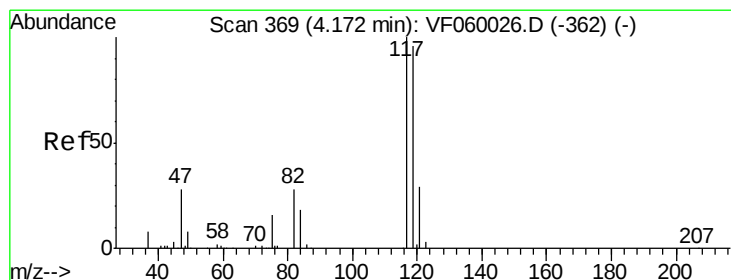
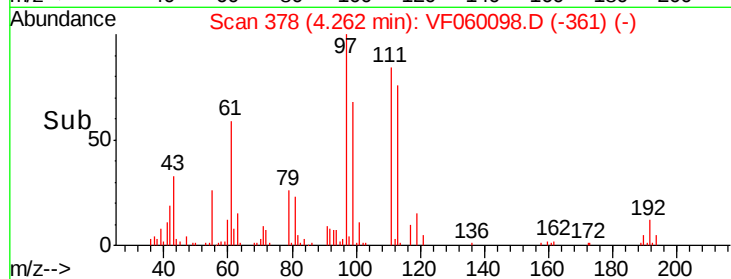
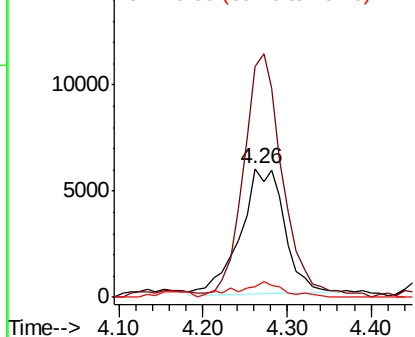
#37
Ethyl Acetate
Concen: 15.90 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion: 43 Resp: 21542
Ion Ratio Lower Upper
43 100
61 180.0 101.5 152.3#
70 7.9 6.4 9.6

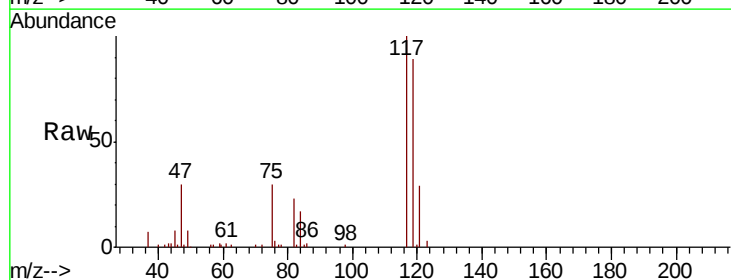


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

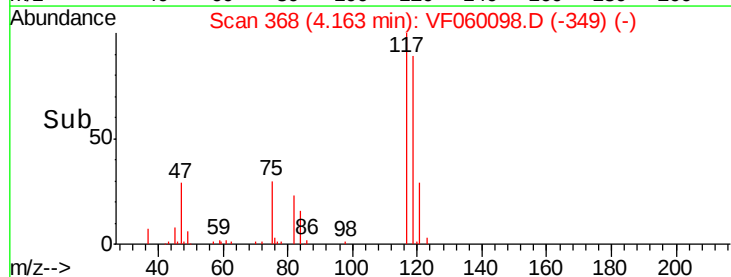
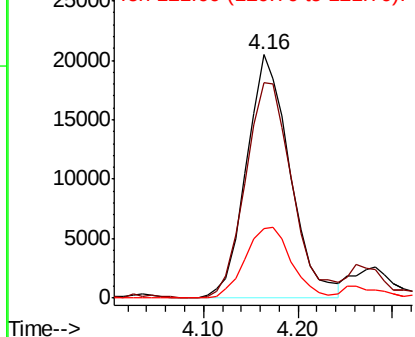


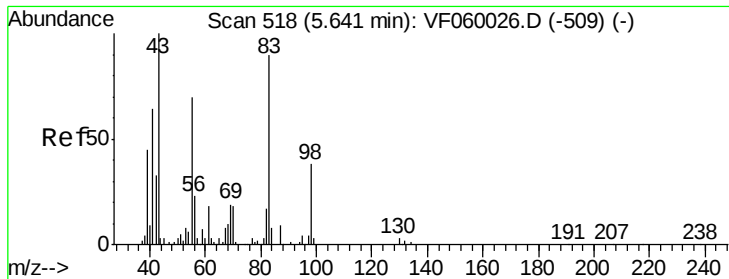
#38
Carbon Tetrachloride
Concen: 24.94 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 117 Resp: 65442
Ion Ratio Lower Upper
117 100
119 88.7 76.5 114.7
121 28.8 23.0 34.6



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

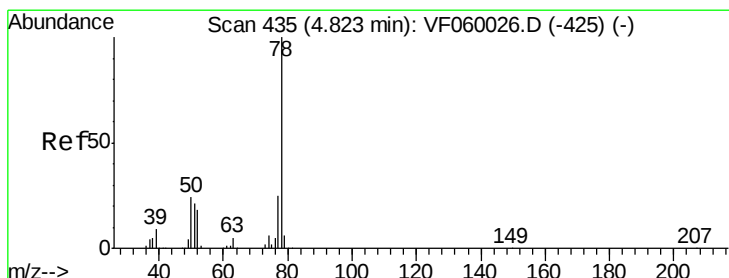
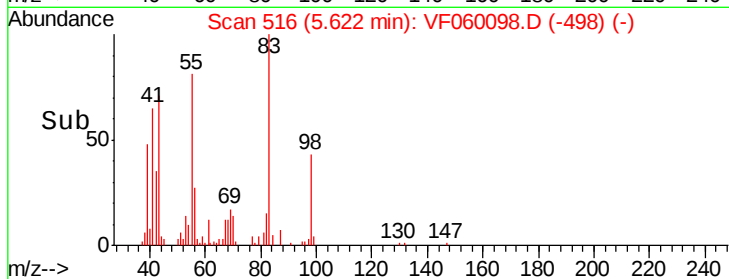
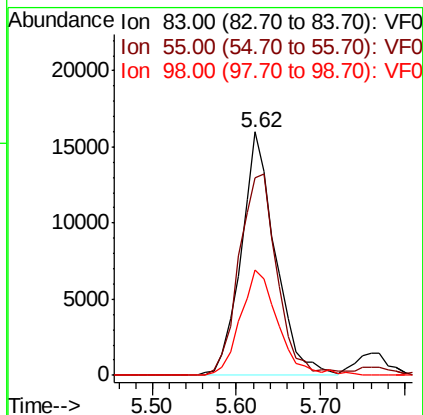
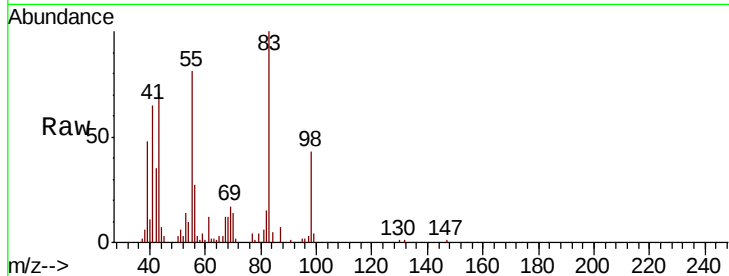




#39
Methvlcvclohexane
Concen: 21.35 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

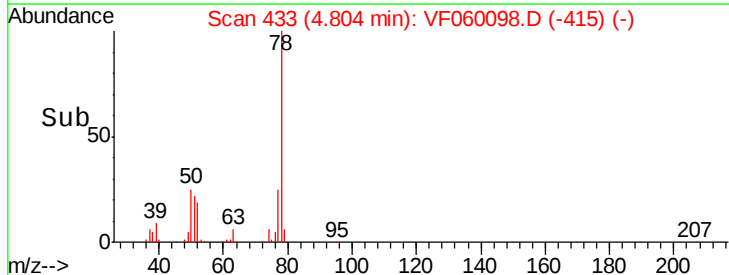
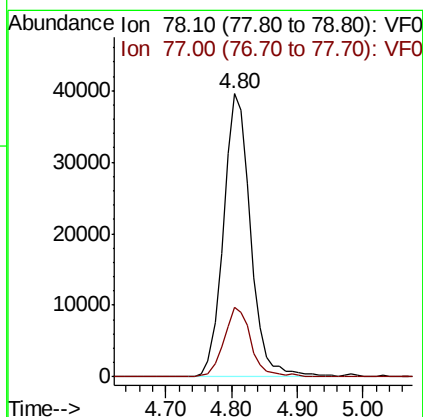
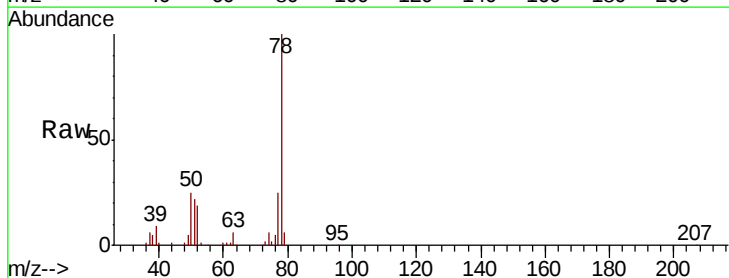
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

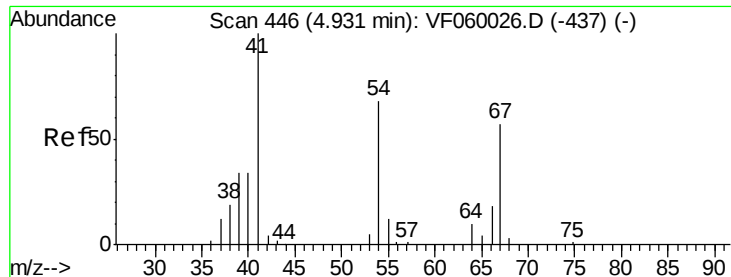
Tot Ion: 83 Resp: 45361
Ion Ratio Lower Upper
83 100
55 81.1 62.7 94.1
98 43.3 33.8 50.8



#40
Benzene
Concen: 23.05 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 78 Resp: 114080
Ion Ratio Lower Upper
78 100
77 24.5 19.8 29.6

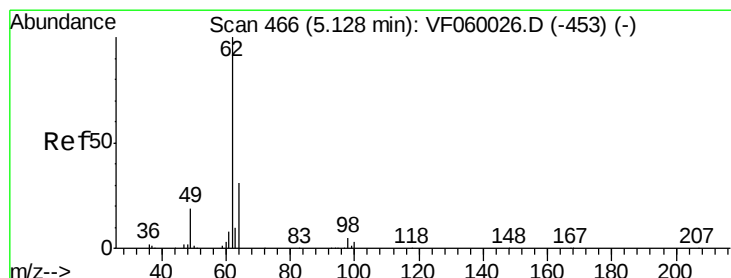
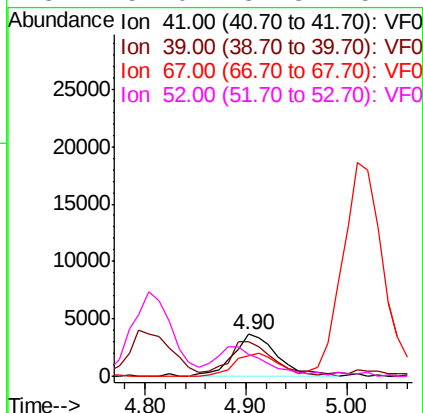
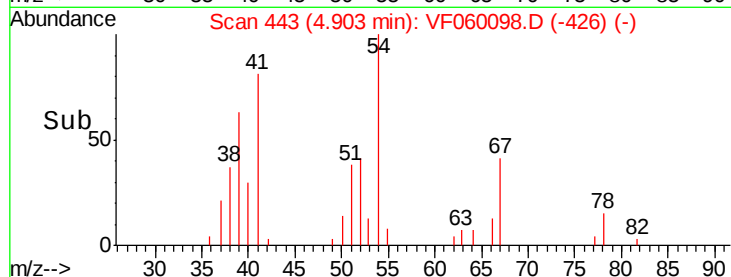
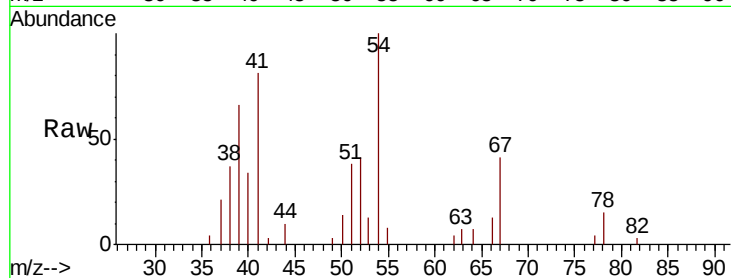




#41
Methacrylonitrile
Concen: 16.34 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.03 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

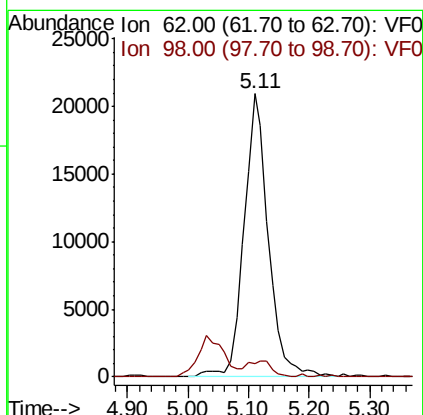
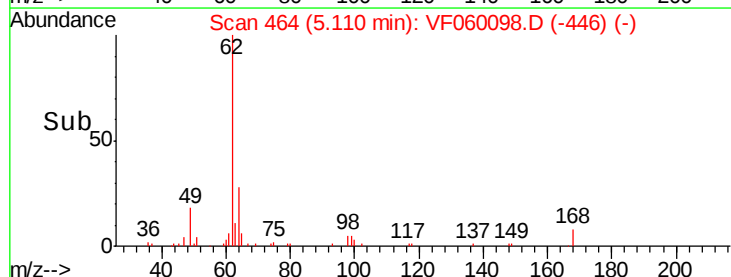
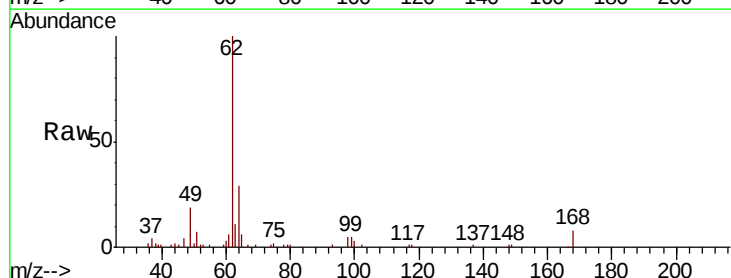
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

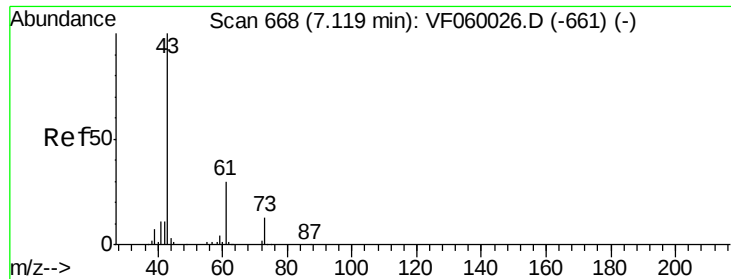
Tot Ion: 41 Resp: 11203
Ion Ratio Lower Upper
41 100
39 82.0 52.9 79.3#
67 50.4 45.3 67.9
52 51.0 34.8 52.2



#42
1,2-Dichloroethane
Concen: 22.01 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 62 Resp: 58420
Ion Ratio Lower Upper
62 100
98 4.7 0.0 11.2



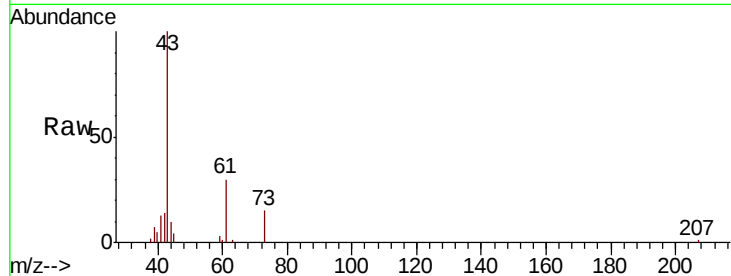


#43

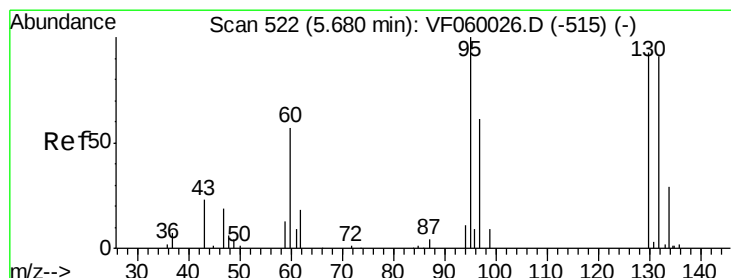
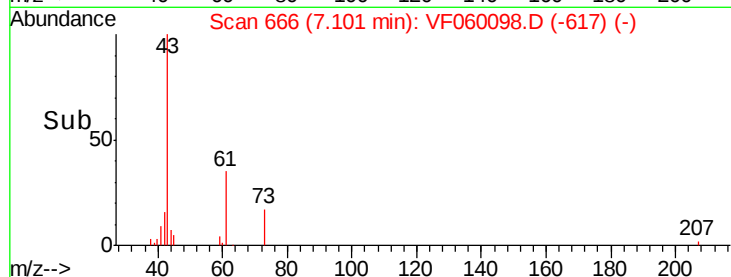
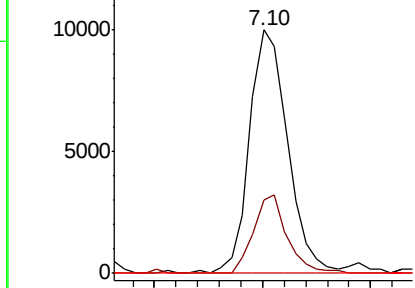
Isopropyl Acetate
 Concen: 14.40 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0824SBS01

Tot Ion: 43 Resp: 24564
 Ion Ratio Lower Upper
 43 100
 61 30.4 23.8 35.6
 87 0.0 0.2 0.4#



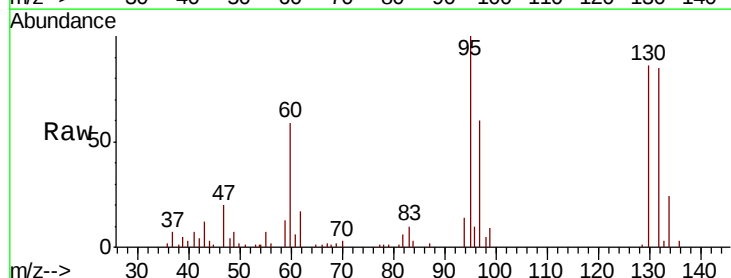
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



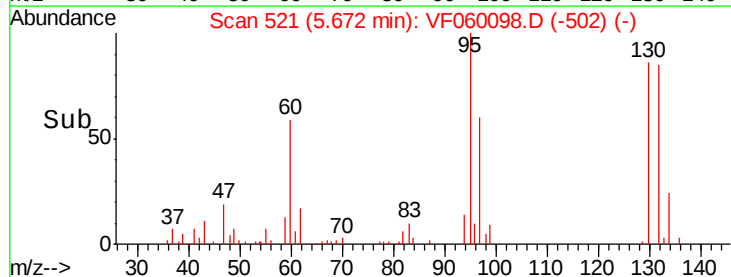
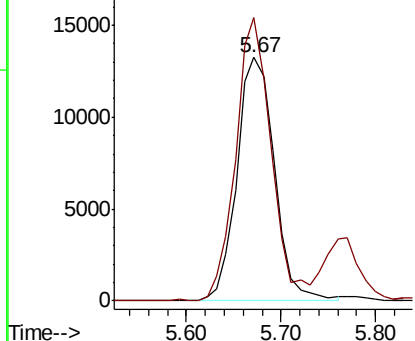
#44

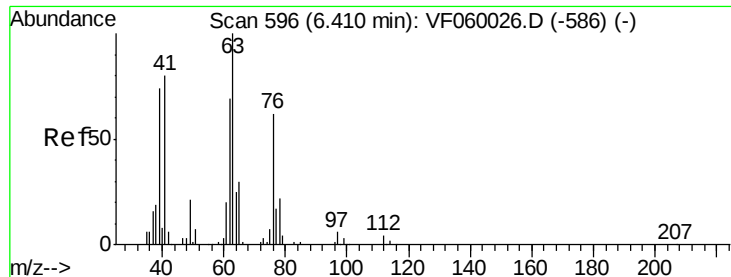
Trichloroethene
 Concen: 22.27 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion: 130 Resp: 36437
 Ion Ratio Lower Upper
 130 100
 95 116.3 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.64 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

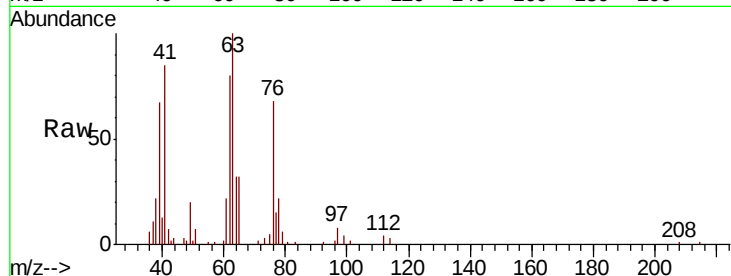
VF0824SBS01

Tot Ion: 63 Resp: 30294

Ion Ratio Lower Upper

63 100

65 32.0 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.40

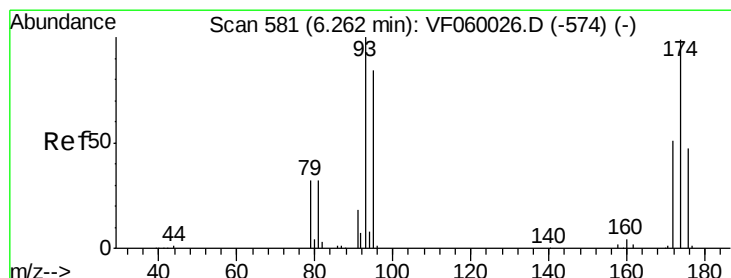
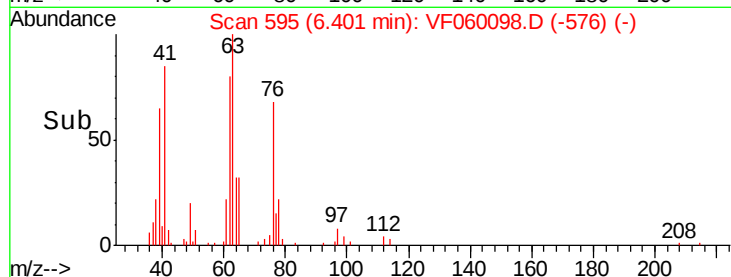
10000

5000

0

Time-->

6.30 6.40 6.50



#46

Dibromomethane

Concen: 22.14 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

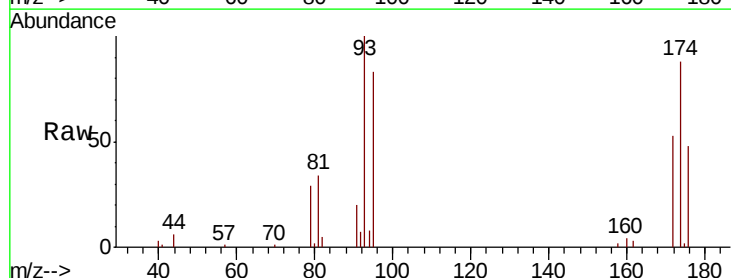
Tgt Ion: 93 Resp: 24259

Ion Ratio Lower Upper

93 100

95 83.0 67.1 100.7

174 89.7 79.0 118.4



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

12000

10000

8000

6000

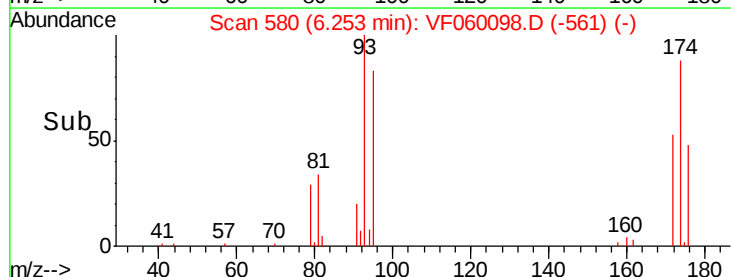
4000

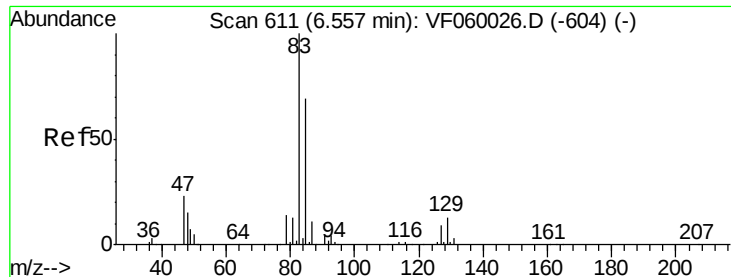
2000

0

Time-->

6.10 6.20 6.30 6.40





#47

Bromodichloromethane

Concen: 22.35 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

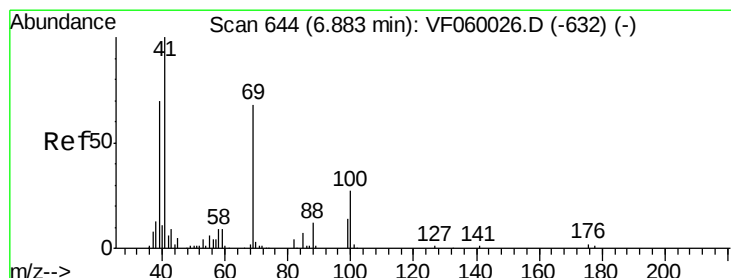
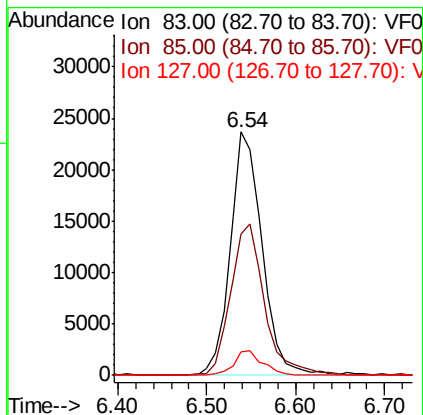
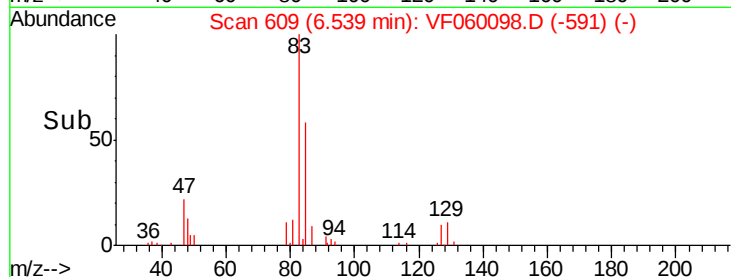
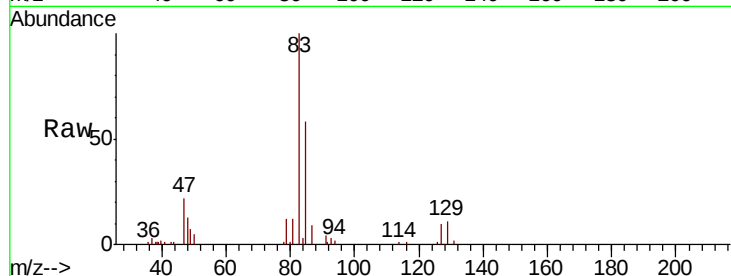
Tot Ion: 83 Resp: 59136

Ion Ratio Lower Upper

83 100

85 58.0 55.2 82.8

127 9.6 7.3 10.9



#48

Methyl methacrylate

Concen: 14.92 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

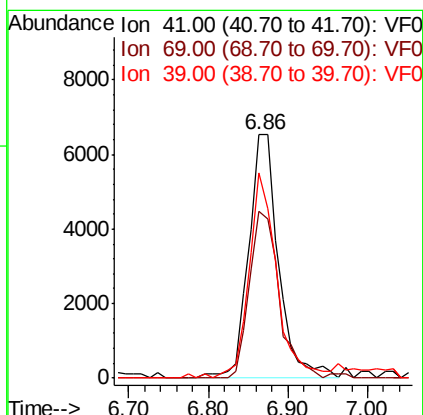
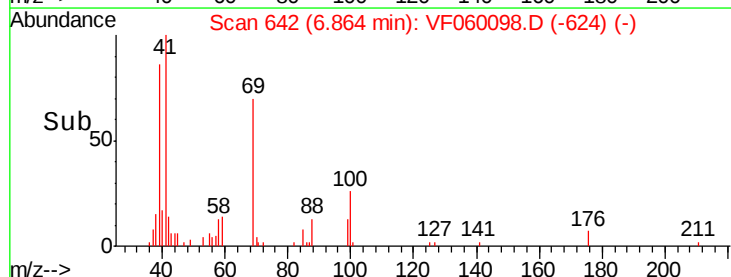
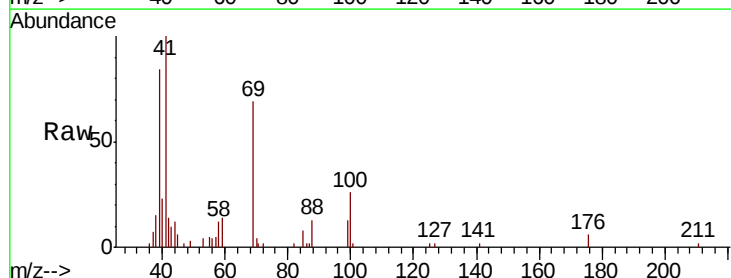
Tgt Ion: 41 Resp: 16843

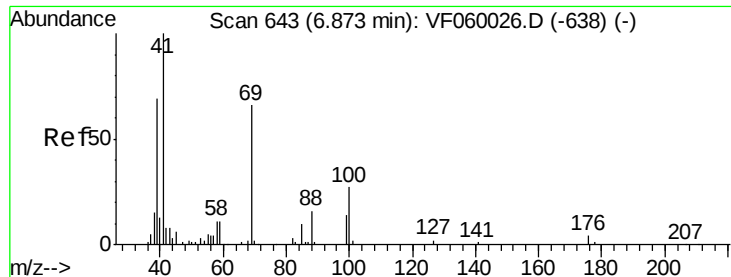
Ion Ratio Lower Upper

41 100

69 68.6 54.6 81.8

39 84.1 56.5 84.7





#49

1,4-Dioxane

Concen: 332.91 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

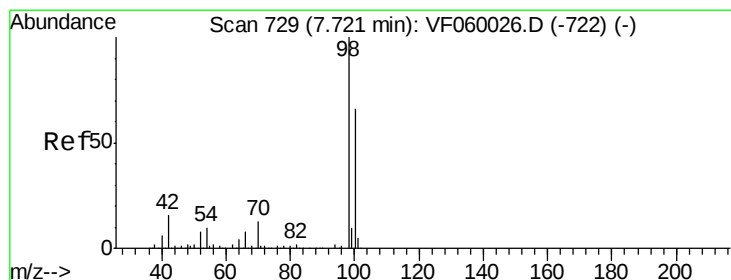
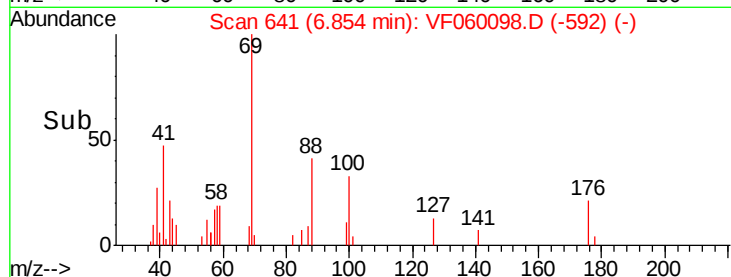
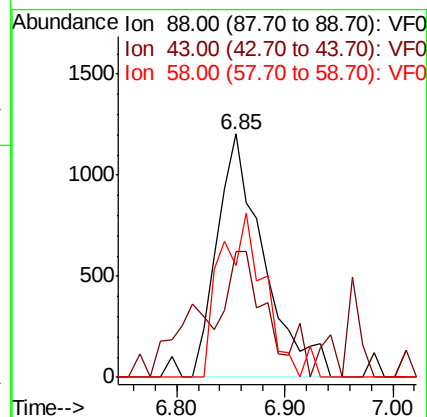
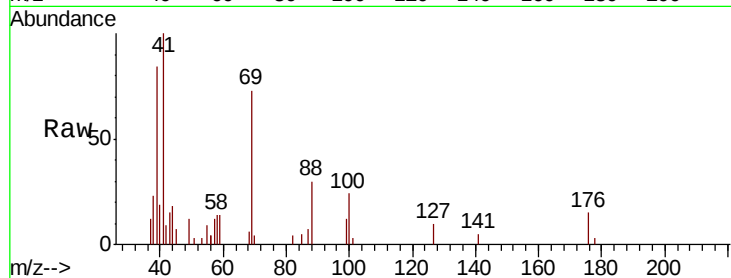
Tot Ion: 88 Resp: 3607

Ion Ratio Lower Upper

88 100

43 51.5 46.5 69.7

58 46.1 54.8 82.2#



#50

Toluene-d8

Concen: 56.23 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060098.D

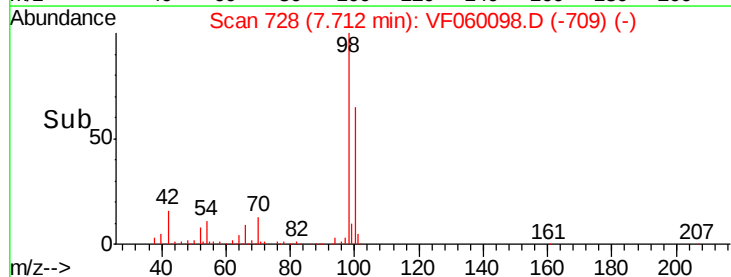
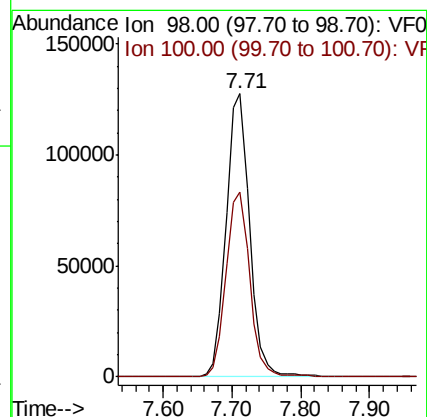
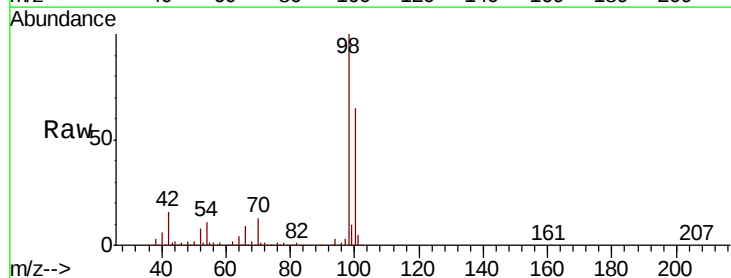
Acq: 24 Aug 2018 14:24

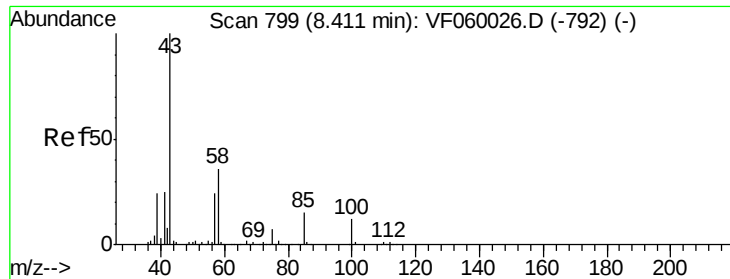
Tgt Ion: 98 Resp: 302349

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 94.80 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

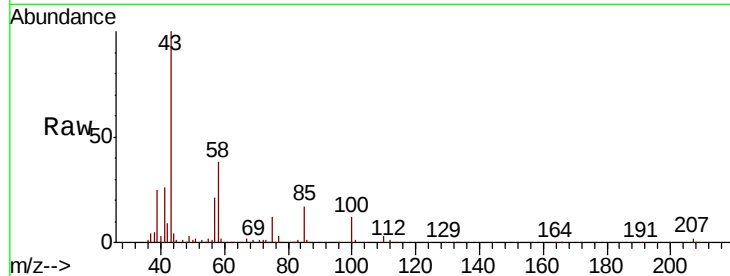
VF0824SBS01

Tot Ion: 43 Resp: 139631

Ion Ratio Lower Upper

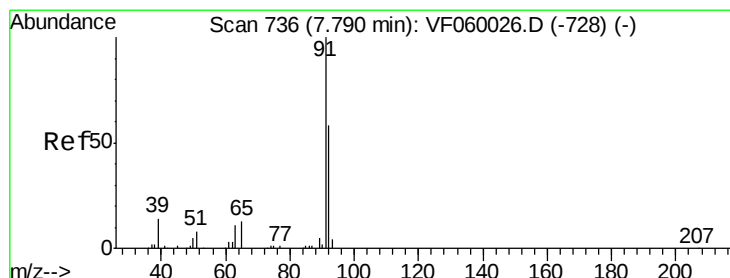
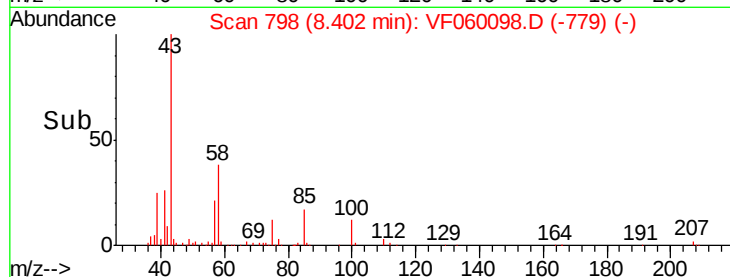
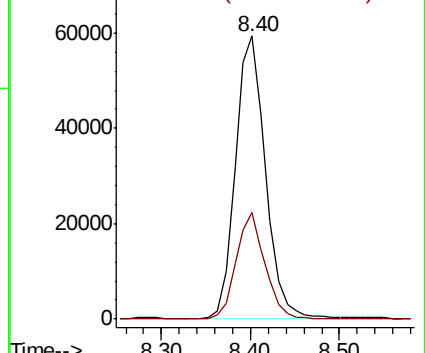
43 100

58 37.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.66 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060098.D

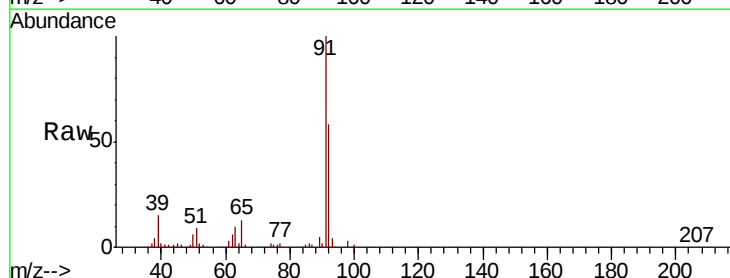
Acq: 24 Aug 2018 14:24

Tgt Ion: 92 Resp: 83565

Ion Ratio Lower Upper

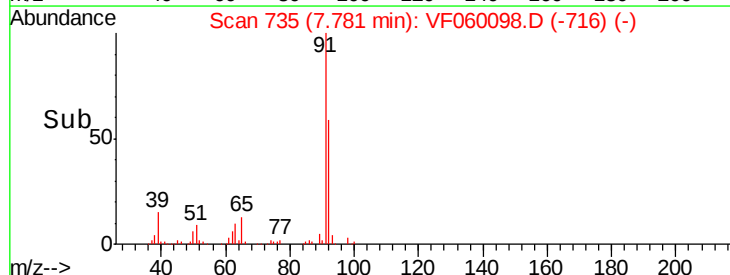
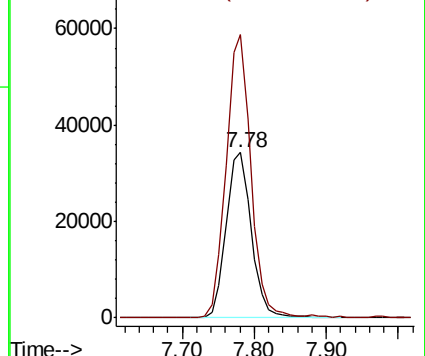
92 100

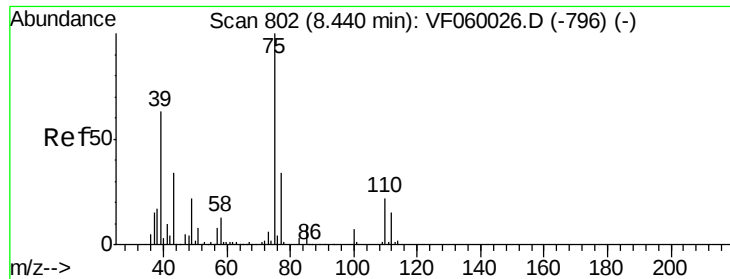
91 171.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

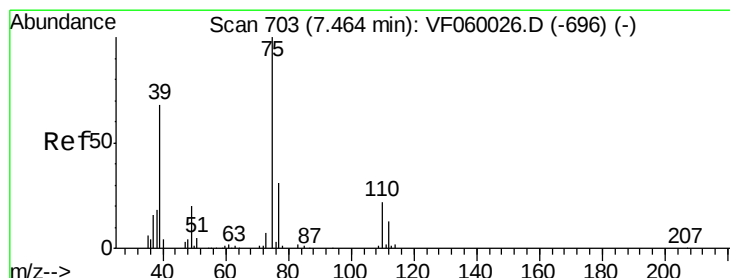
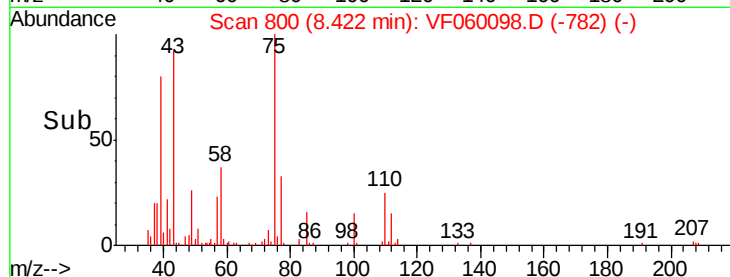
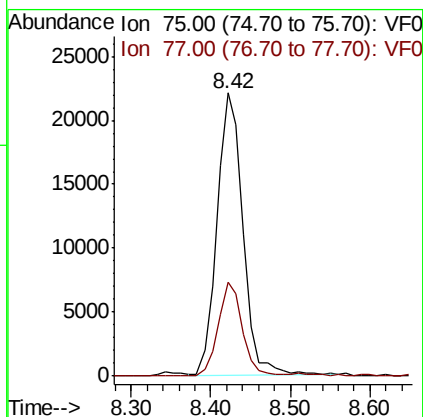
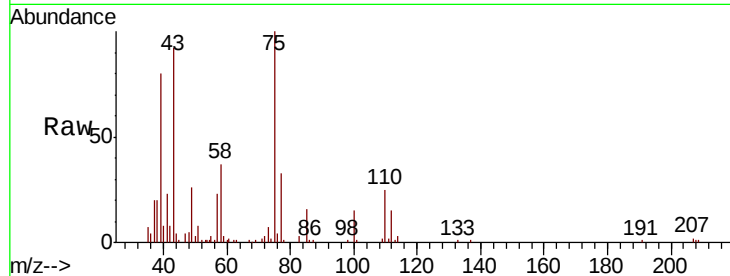




#53
 t-1,3-Dichloropropene
 Concen: 21.14 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

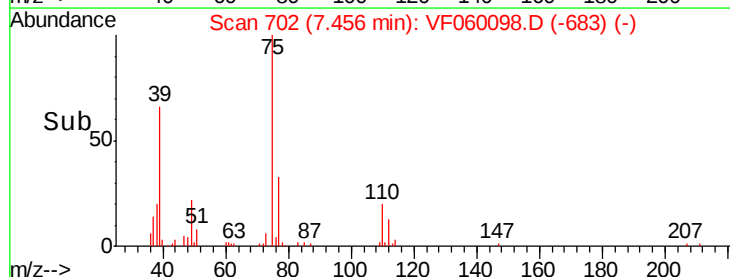
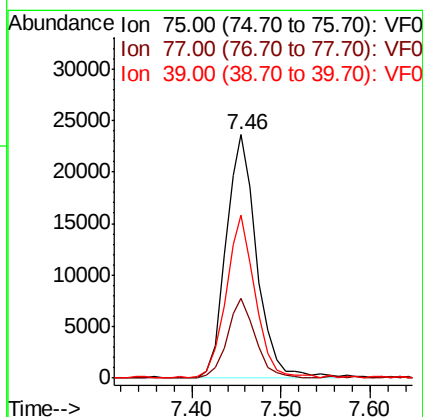
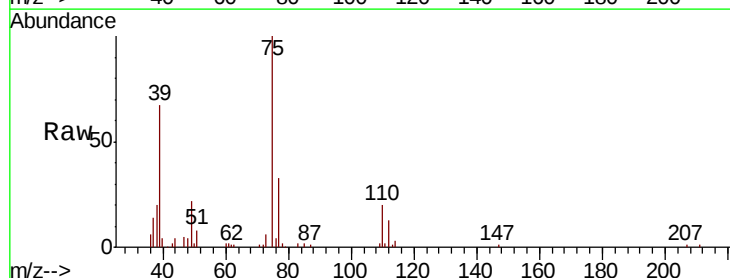
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

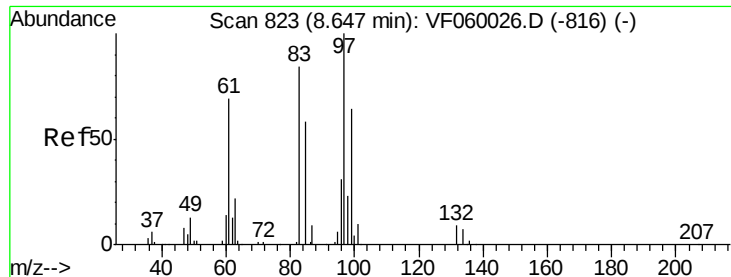
Tot Ion: 75 Resp: 50739
 Ion Ratio Lower Upper
 75 100
 77 33.0 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.24 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion: 75 Resp: 56898
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0
 39 66.7 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 20.30 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 97 Resp: 27115

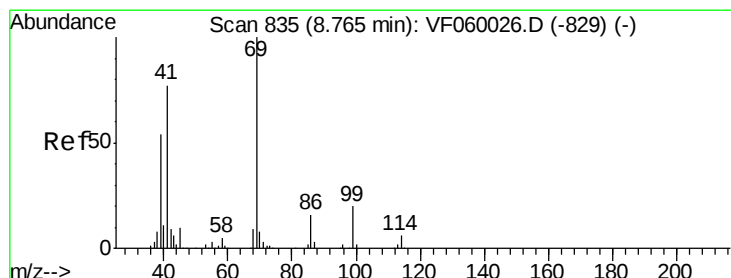
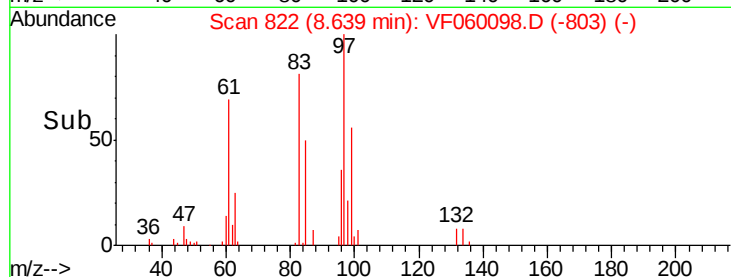
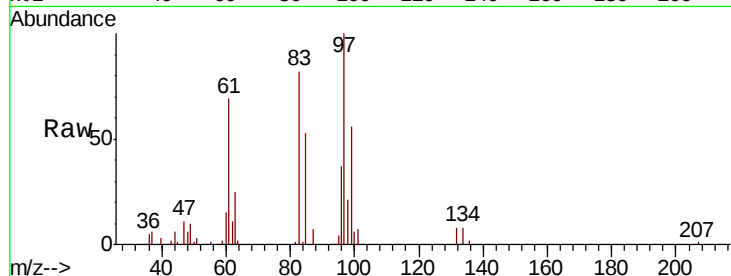
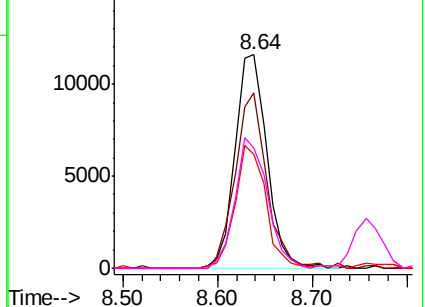
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.2
85	53.1	46.2	69.2
99	56.1	51.1	76.7

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 17.25 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

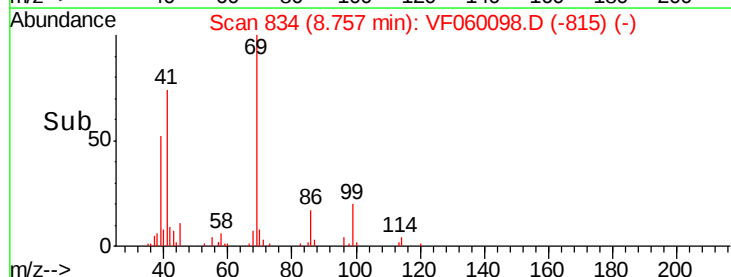
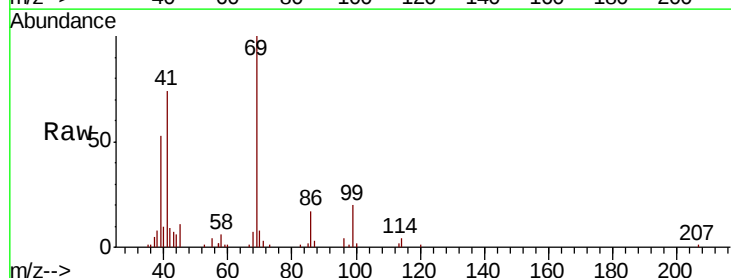
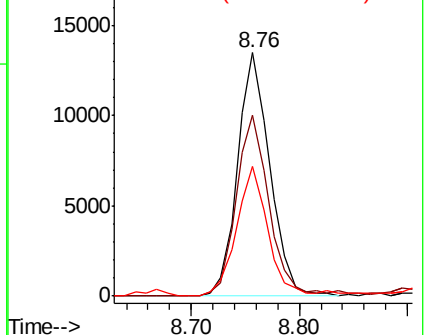
Tgt Ion: 69 Resp: 27891

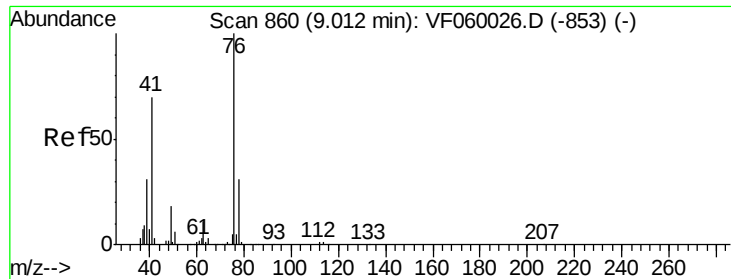
Ion	Ratio	Lower	Upper
69	100		
41	74.3	61.6	92.4
39	53.1	43.9	65.9

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

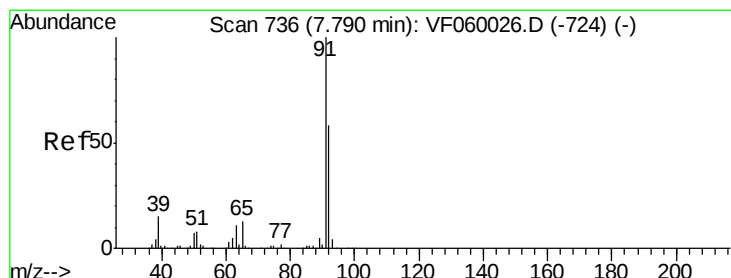
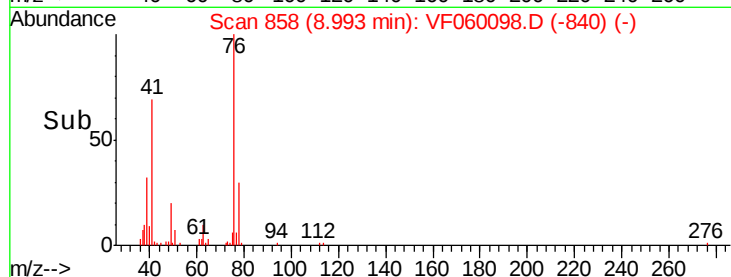
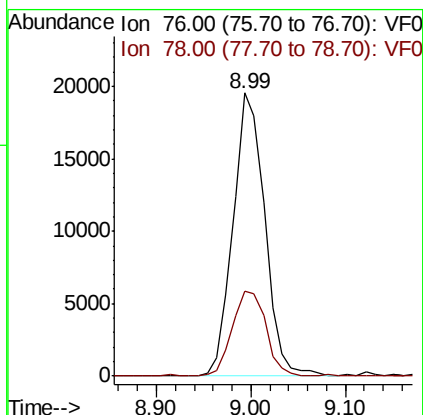
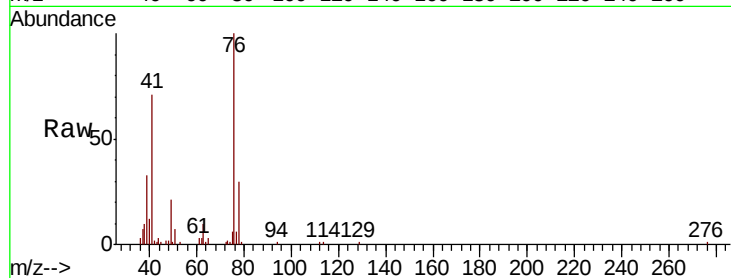




#57
 1,3-Dichloropropane
 Concen: 19.30 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

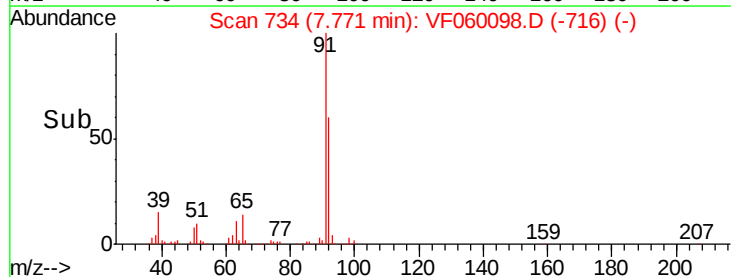
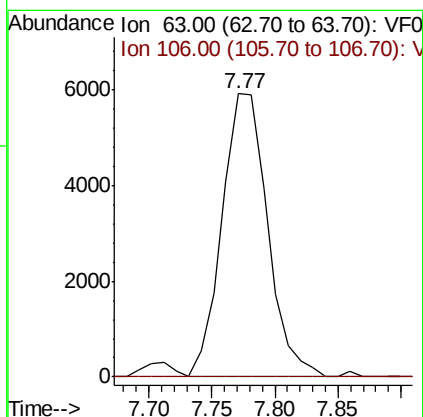
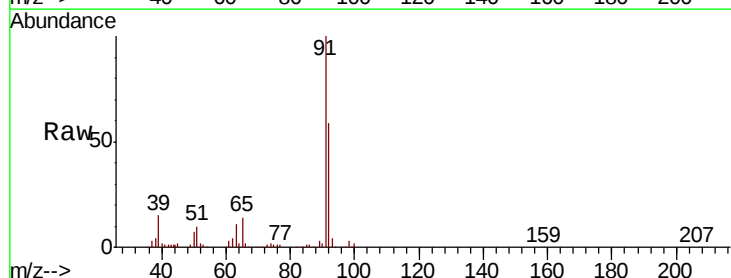
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

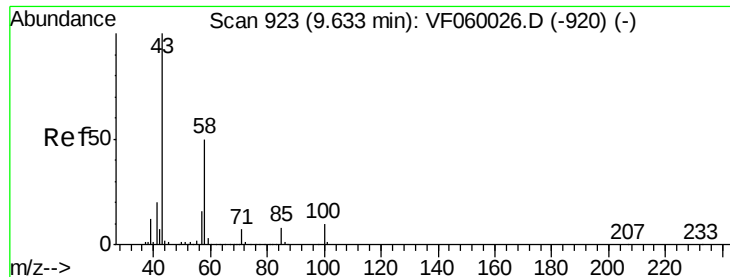
Tot Ion: 76 Resp: 45298
 Ion Ratio Lower Upper
 76 100
 78 29.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.46 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion: 63 Resp: 14816
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

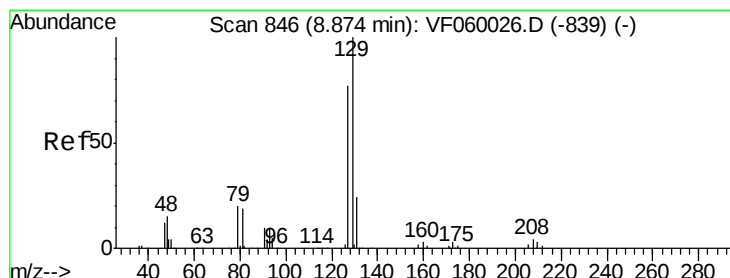
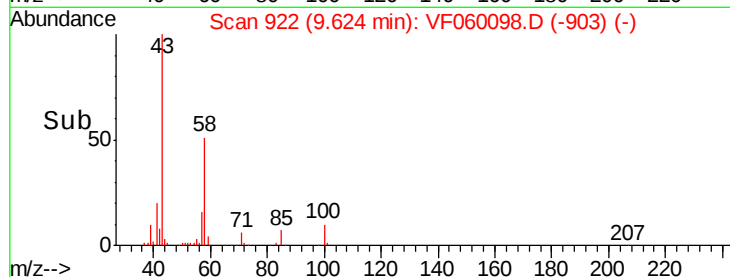
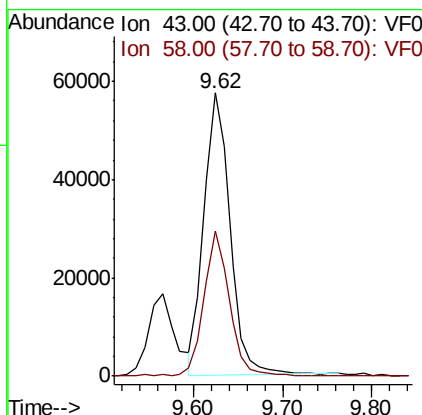
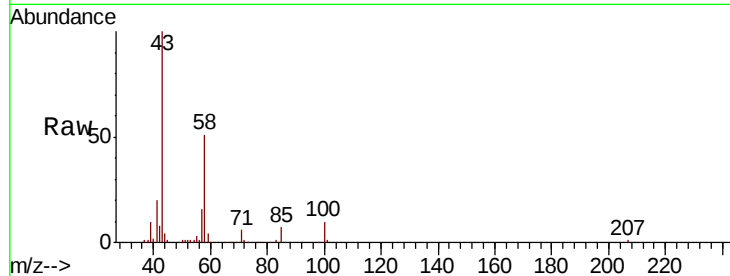




#59
2-Hexanone
Concen: 97.34 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

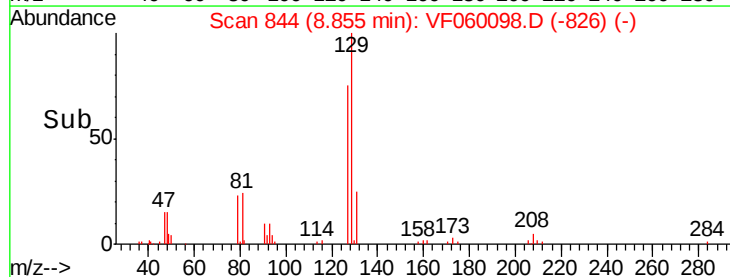
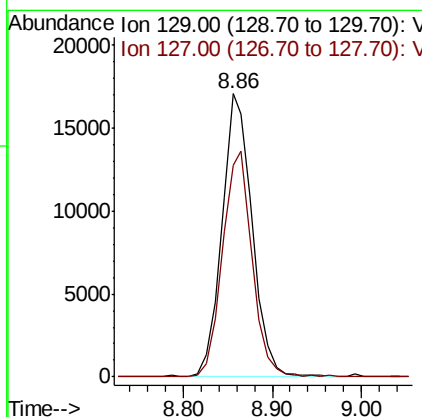
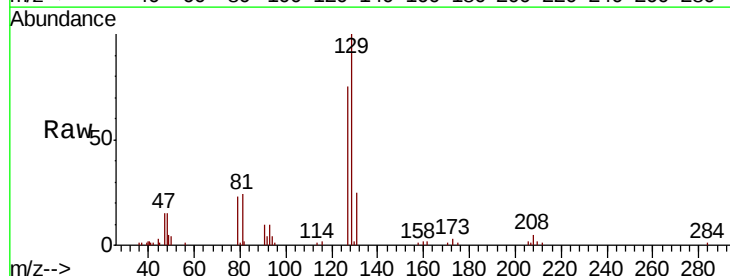
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBSD01

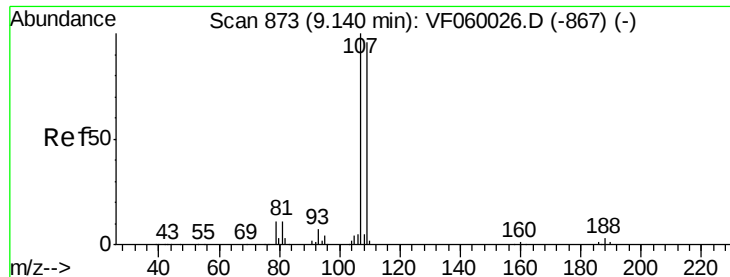
Tot Ion: 43 Resp: 116042
Ion Ratio Lower Upper
43 100
58 51.3 23.4 70.2



#60
Dibromochloromethane
Concen: 20.58 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 129 Resp: 40571
Ion Ratio Lower Upper
129 100
127 75.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.67 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

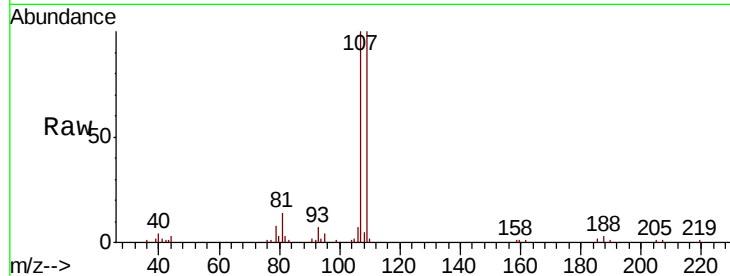
VF0824SBS01

Tot Ion:107 Resp: 30850

Ion Ratio Lower Upper

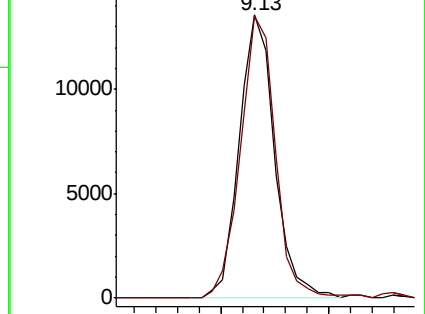
107 100

109 99.7 76.5 114.7

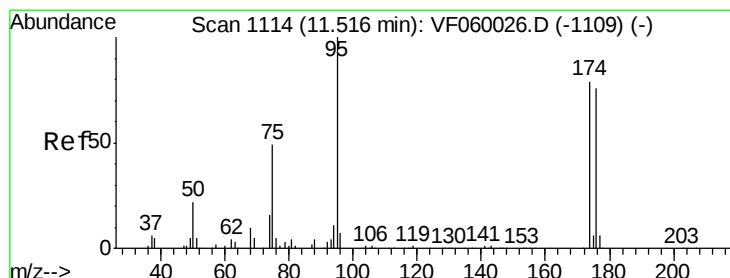
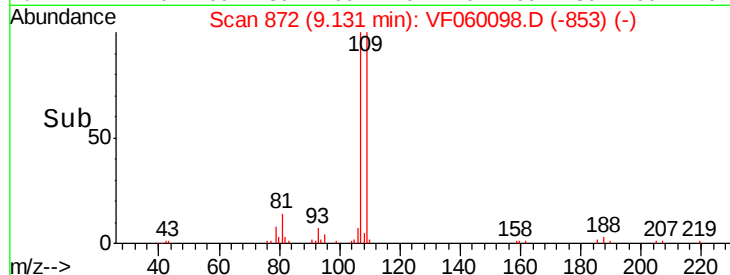


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 59.77 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

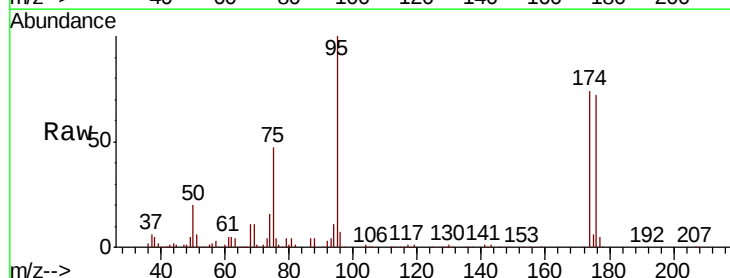
Tgt Ion: 95 Resp: 170030

Ion Ratio Lower Upper

95 100

174 74.2 0.0 158.4

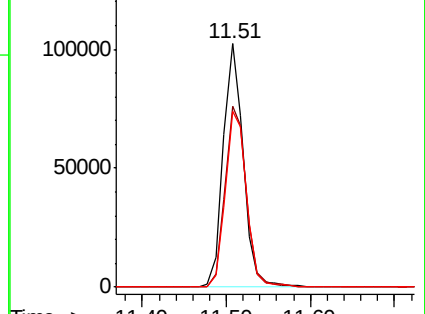
176 71.9 0.0 153.0



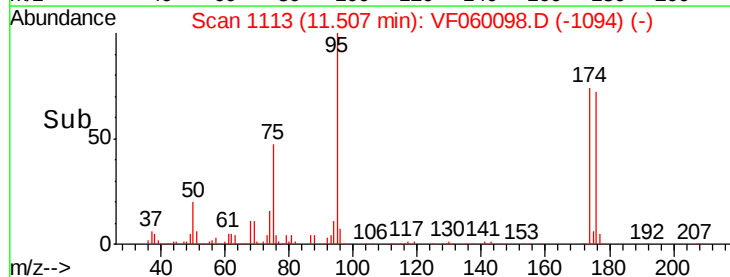
Abundance Ion 95.00 (94.70 to 95.70): VF0

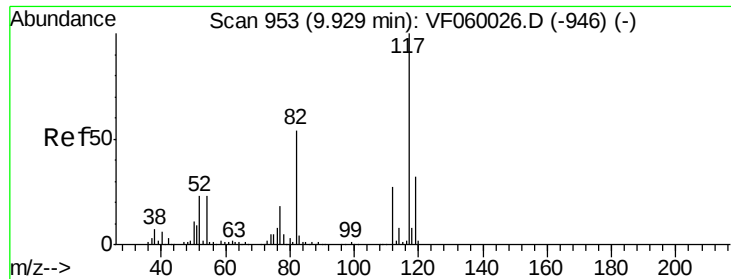
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

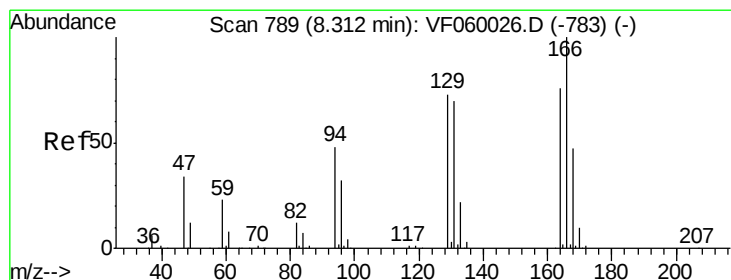
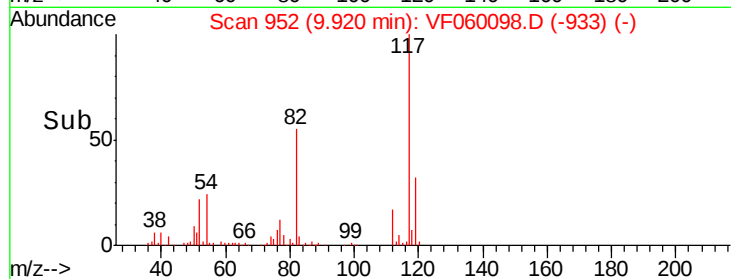
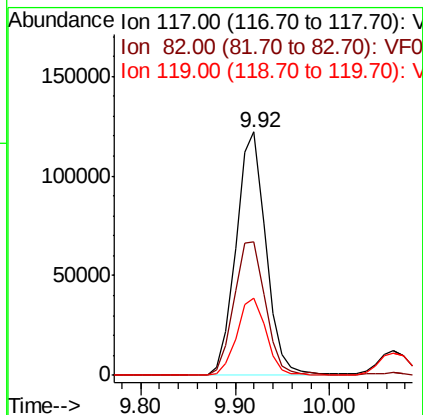
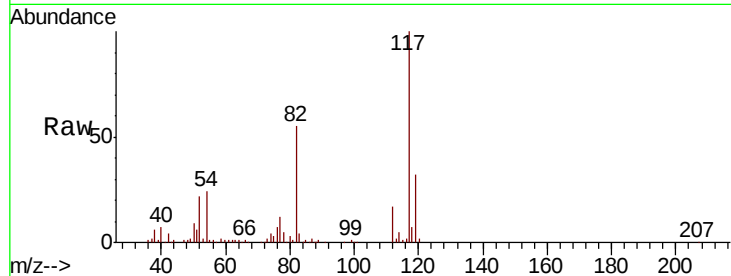




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

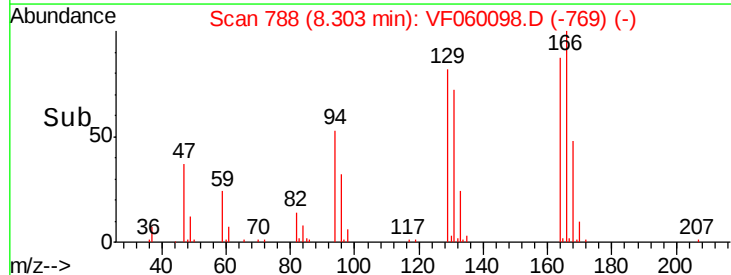
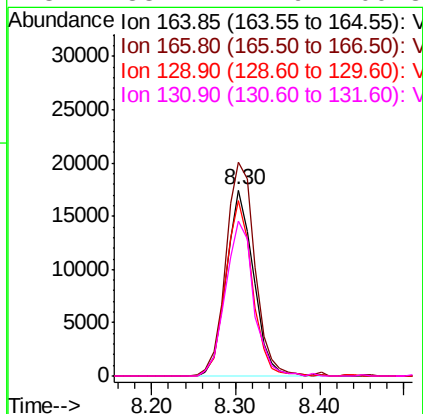
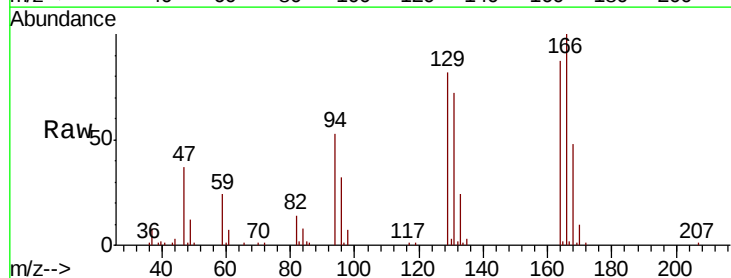
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

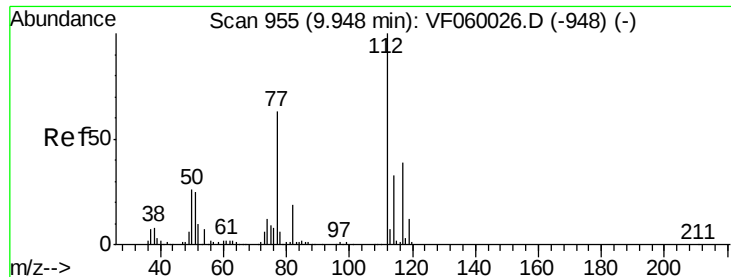
Tot Ion:117 Resp: 267458
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 21.84 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion:164 Resp: 39353
Ion Ratio Lower Upper
164 100
166 114.8 104.7 157.1
129 94.4 77.0 115.4
131 83.2 72.9 109.3

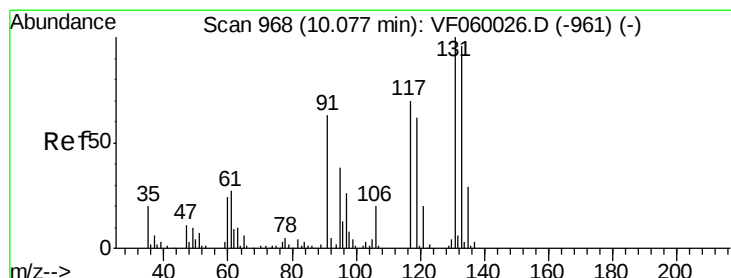
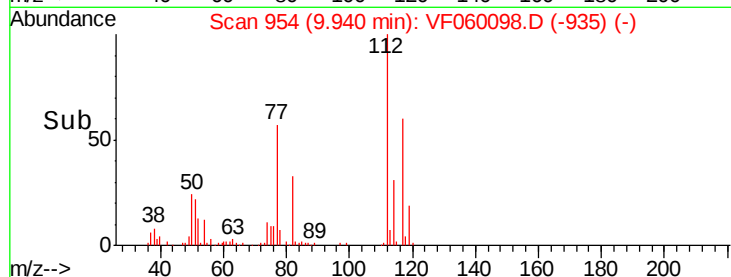
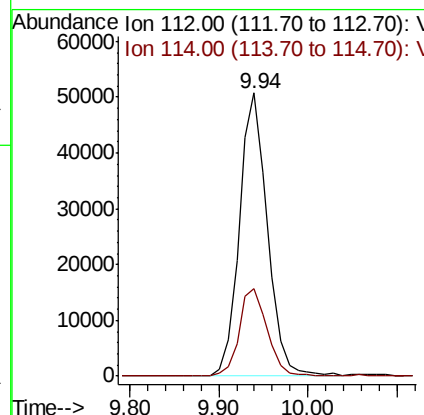
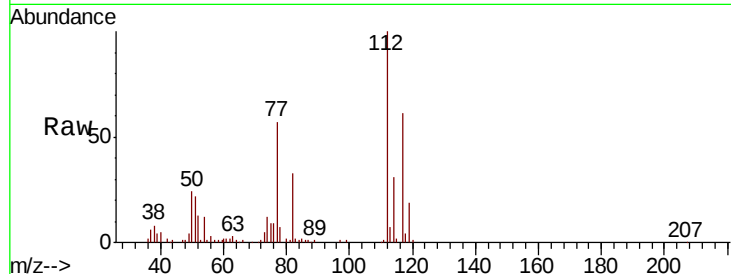




#65
Chlorobenzene
Concen: 21.99 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

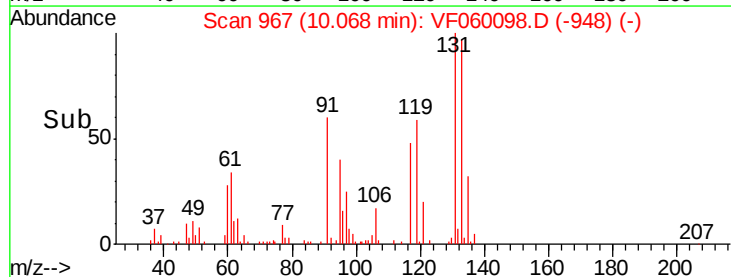
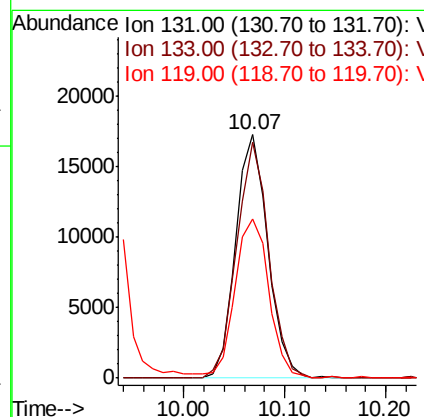
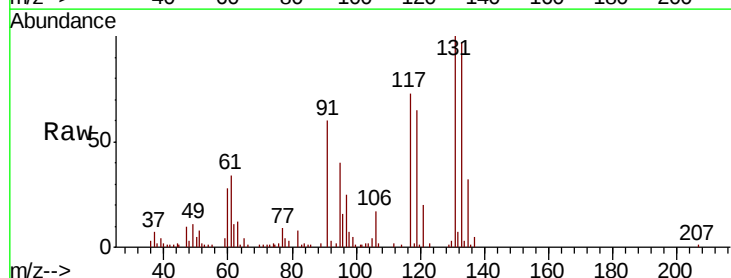
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

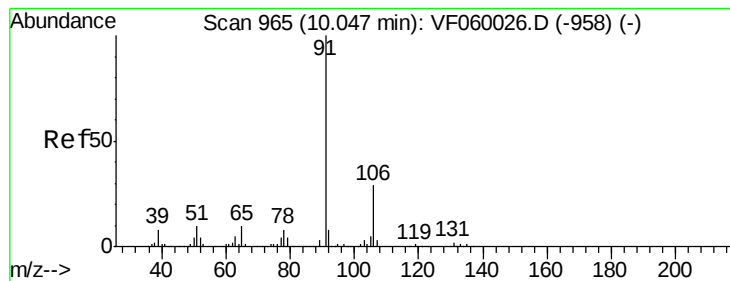
Tot Ion:112 Resp: 111054
Ion Ratio Lower Upper
112 100
114 31.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.97 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion:131 Resp: 38250
Ion Ratio Lower Upper
131 100
133 96.9 48.2 144.6
119 65.3 31.4 94.2





#67

Ethyl Benzene

Concen: 23.41 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

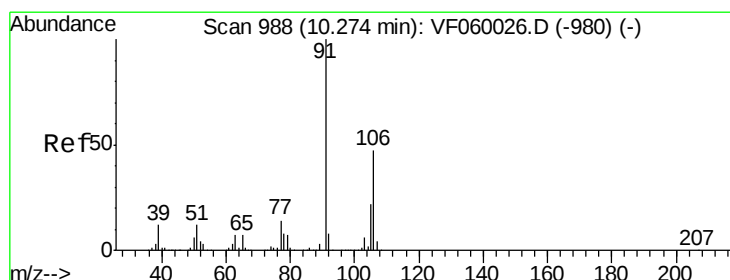
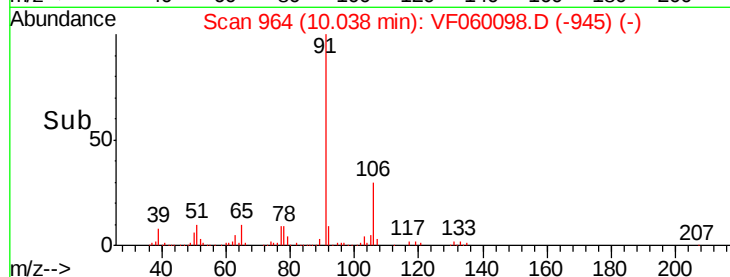
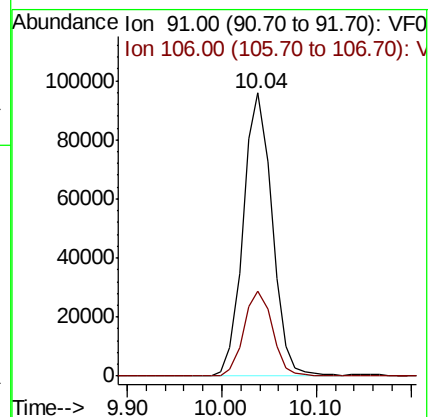
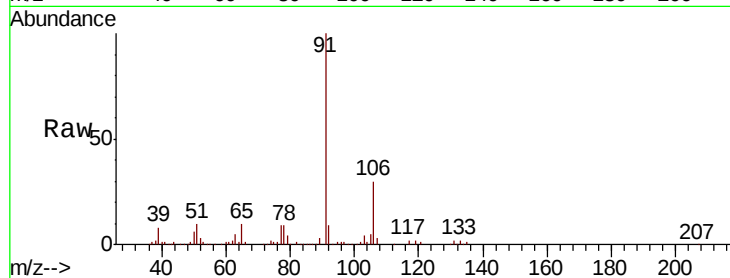
VF0824SBS01

Tot Ion: 91 Resp: 203999

Ion Ratio Lower Upper

91 100

106 30.1 23.6 35.4



#68

m/p-Xylenes

Concen: 48.81 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060098.D

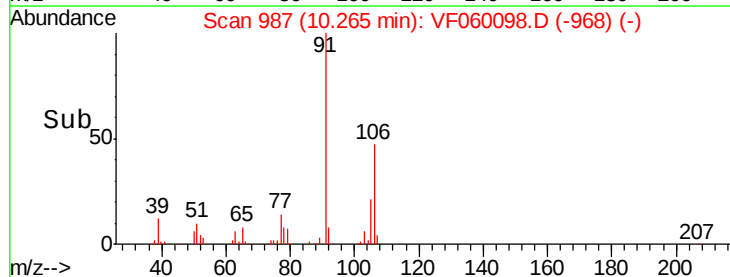
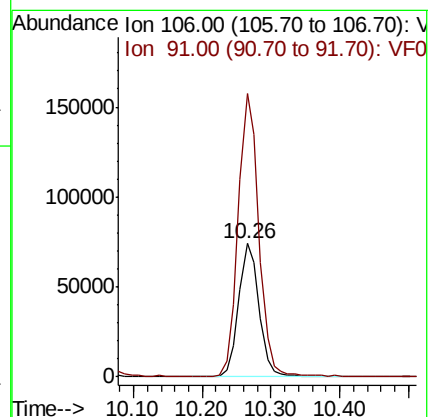
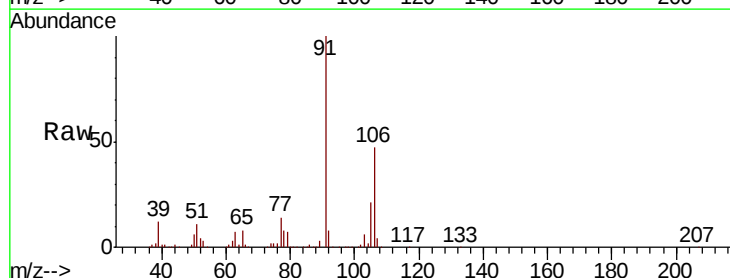
Acq: 24 Aug 2018 14:24

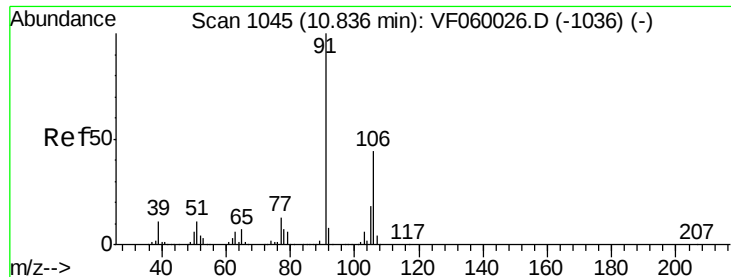
Tgt Ion: 106 Resp: 152907

Ion Ratio Lower Upper

106 100

91 212.2 171.8 257.8

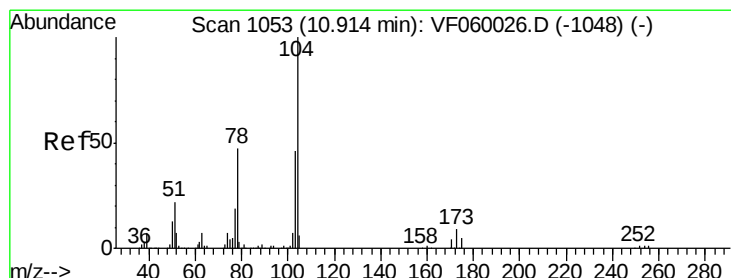
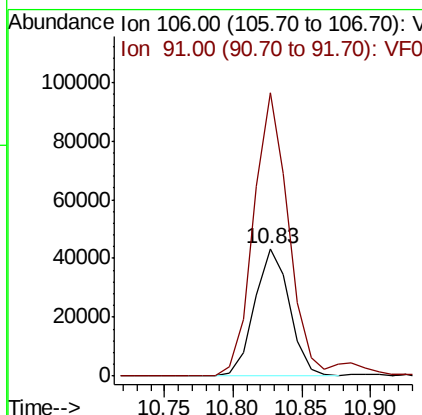
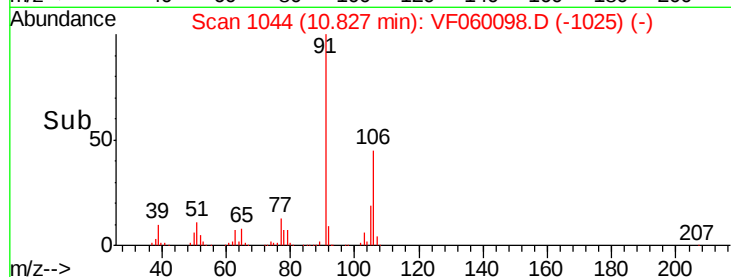
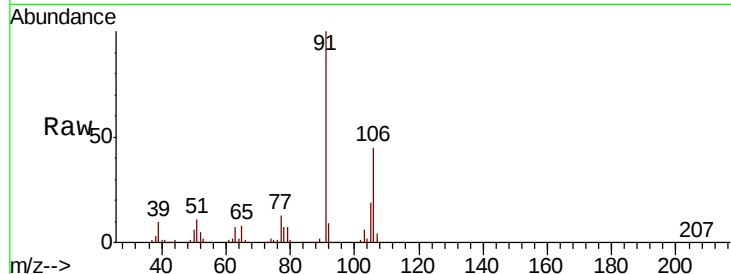




#69
o-Xylene
Concen: 22.54 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

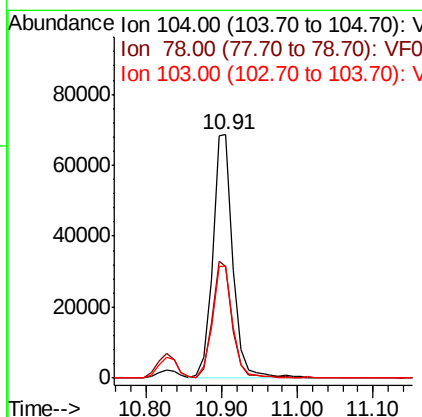
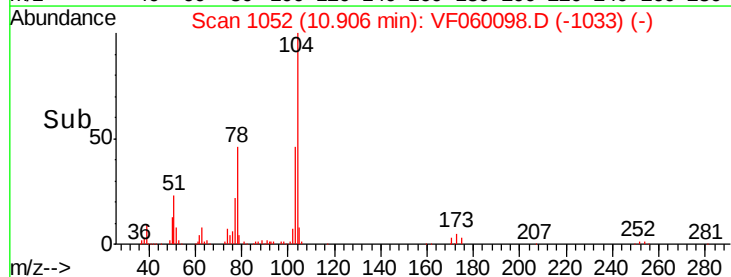
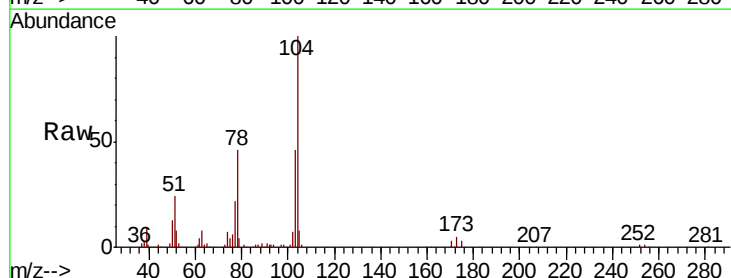
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion:106 Resp: 76954
Ion Ratio Lower Upper
106 100
91 221.9 112.5 337.5



#70
Styrene
Concen: 24.77 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion:104 Resp: 129771
Ion Ratio Lower Upper
104 100
78 46.0 38.0 57.0
103 45.8 37.6 56.4





#71

Bromoform

Concen: 18.49 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

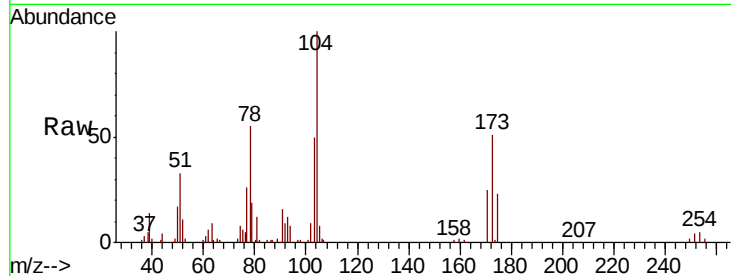
Tot Ion:173 Resp: 24712

Ion Ratio Lower Upper

173 100

175 45.8 24.7 74.1

254 0.0 0.0 0.0

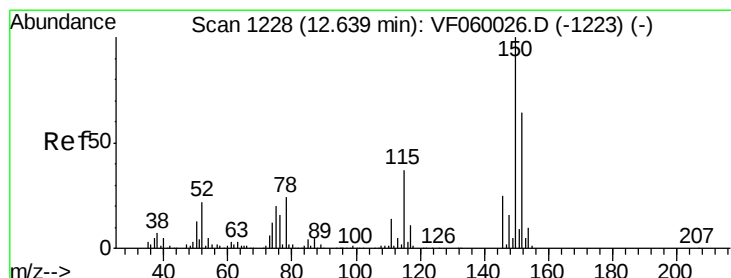
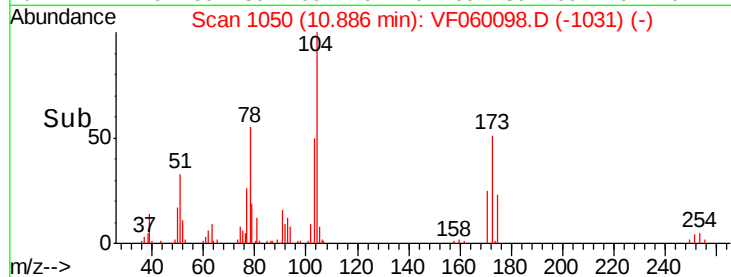
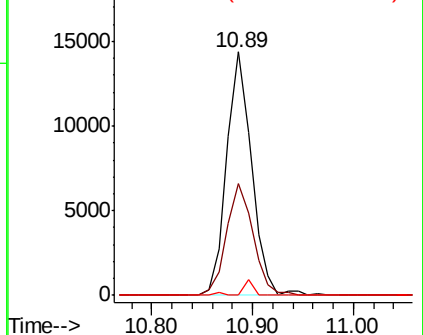


Abundance

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: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

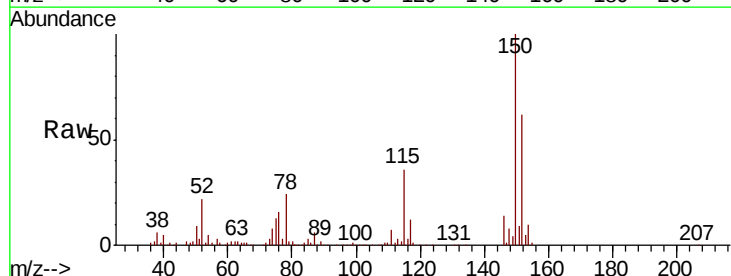
Tgt Ion:152 Resp: 166125

Ion Ratio Lower Upper

152 100

115 58.9 28.6 85.9

150 162.0 0.0 312.0

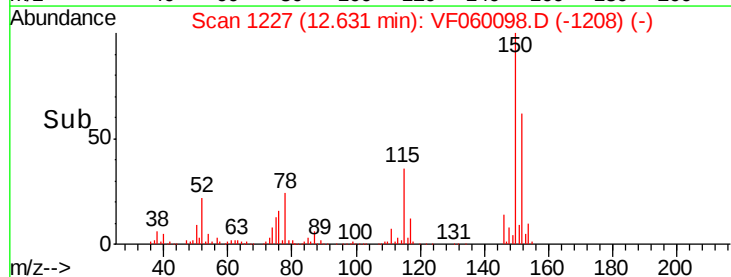
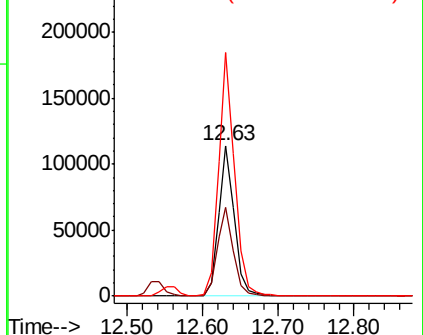


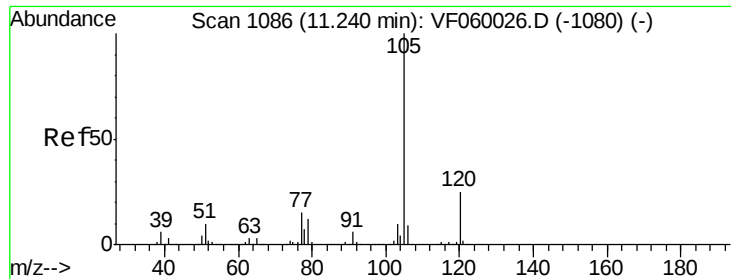
Abundance

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: 23.85 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

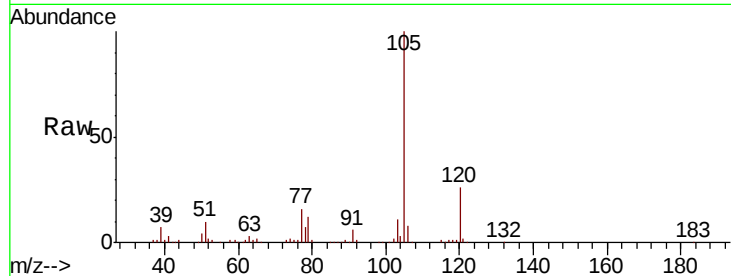
VF0824SBS01

Tot Ion:105 Resp: 238515

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

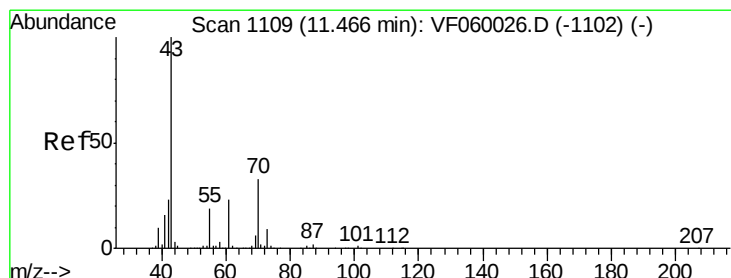
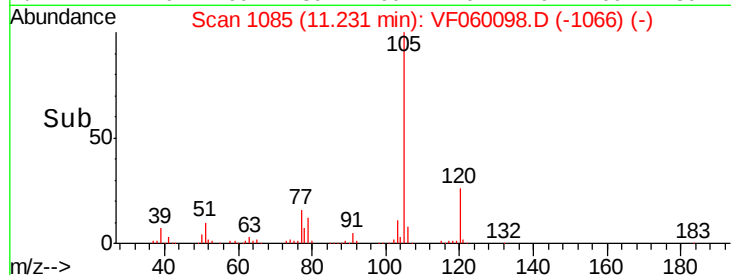
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 17.17 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Tgt Ion: 43 Resp: 53378

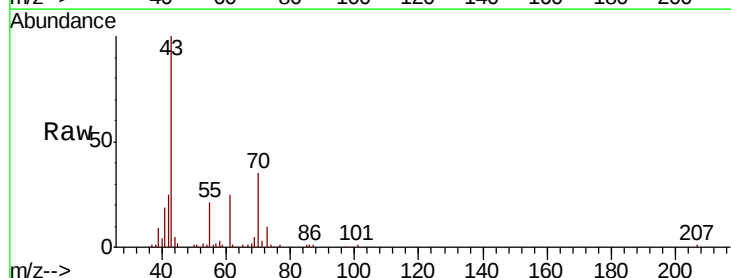
Ion Ratio Lower Upper

43 100

70 35.2 26.4 39.6

55 20.7 15.0 22.4

61 24.9 18.4 27.6



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

50000

40000

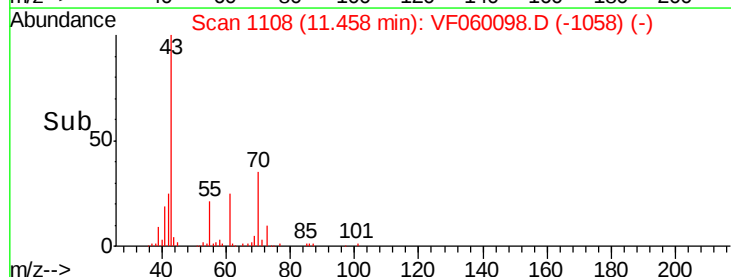
30000

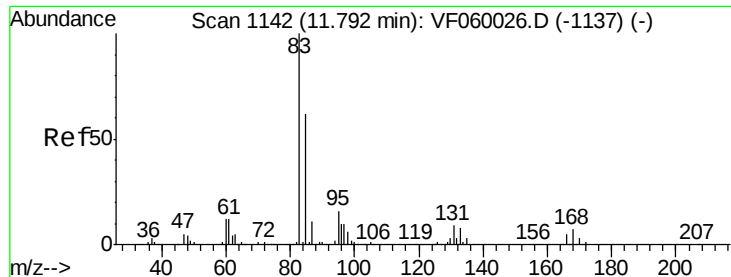
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

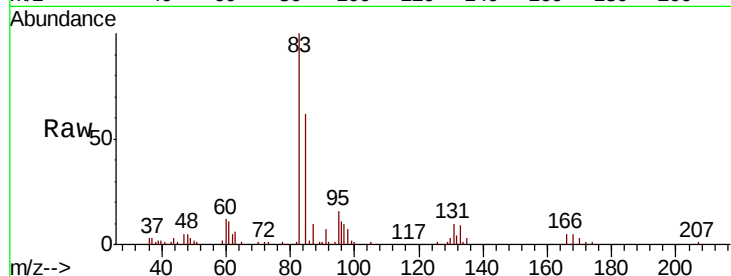
Tot Ion: 83 Resp: 44654

Ion Ratio Lower Upper

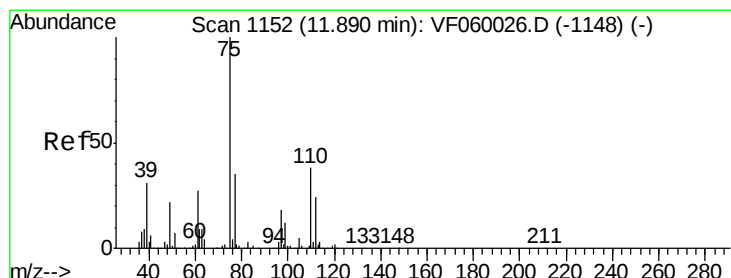
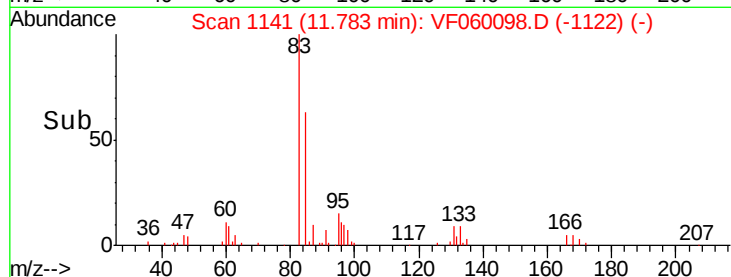
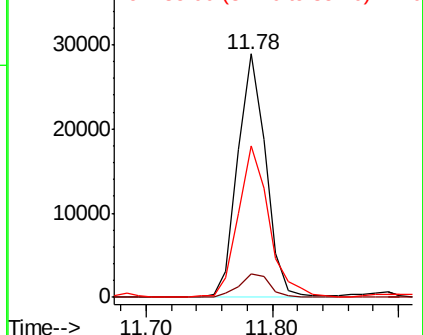
83 100

131 9.8 4.5 13.7

85 62.5 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 18.90 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060098.D

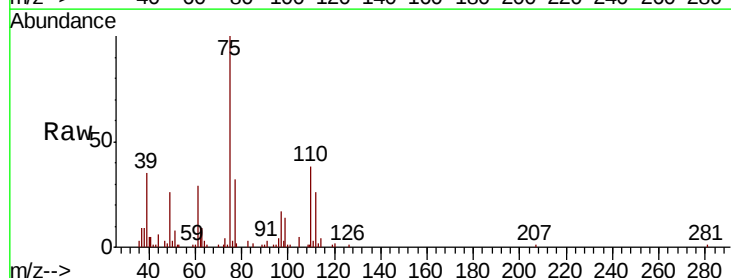
Acq: 24 Aug 2018 14:24

Tgt Ion: 75 Resp: 32010

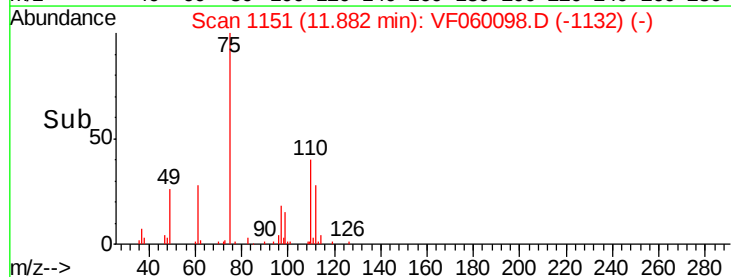
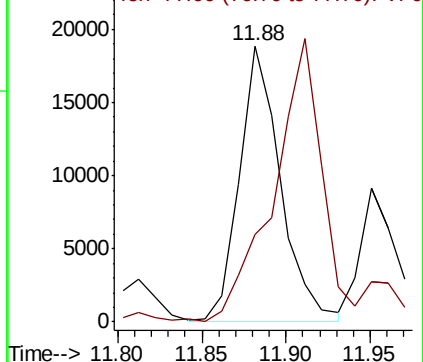
Ion Ratio Lower Upper

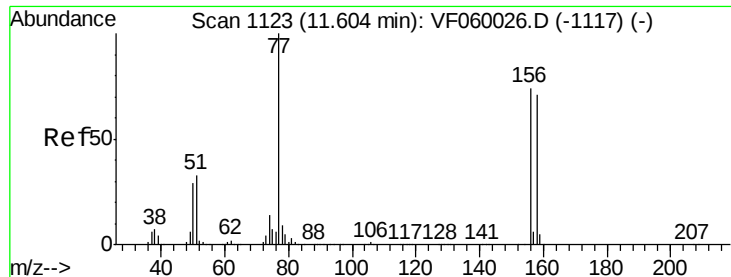
75 100

77 31.6 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.69 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

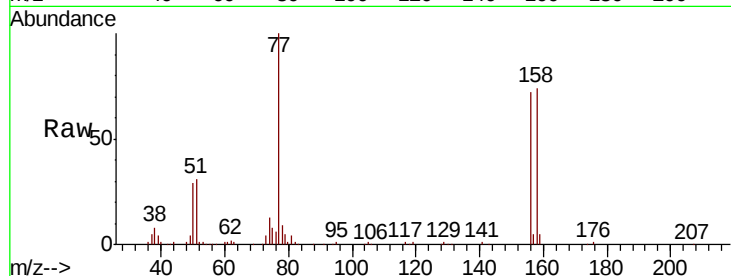
Tot Ion:156 Resp: 58989

Ion Ratio Lower Upper

156 100

77 139.9 68.0 204.0

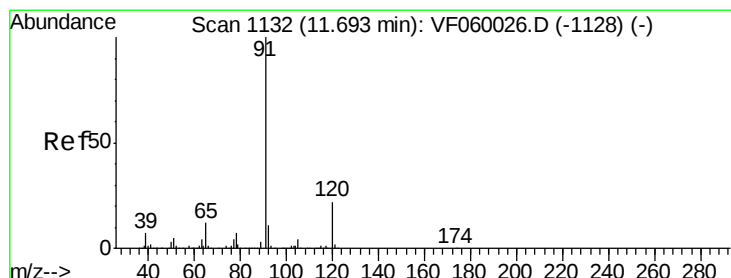
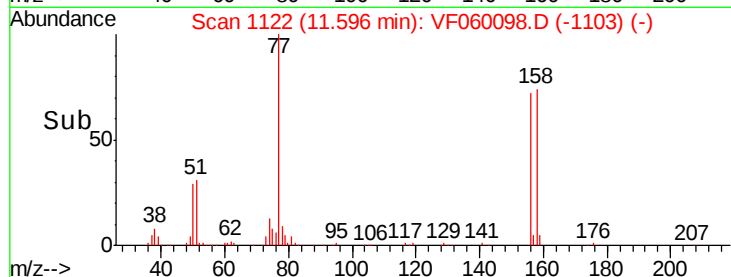
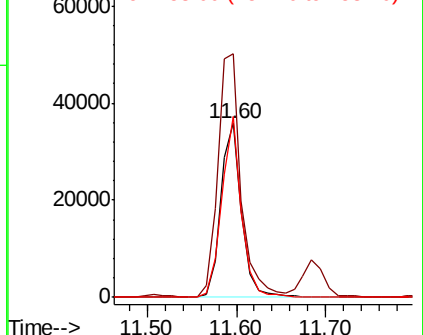
158 103.8 48.4 145.3



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: 25.48 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060098.D

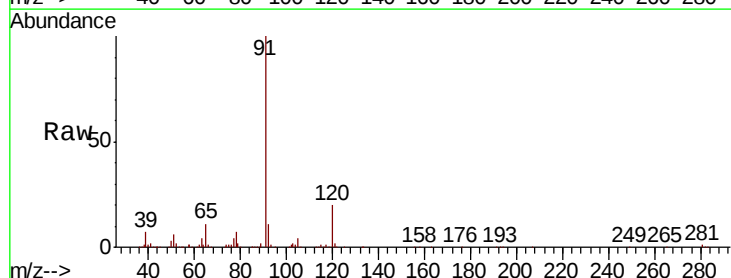
Acq: 24 Aug 2018 14:24

Tgt Ion: 91 Resp: 314475

Ion Ratio Lower Upper

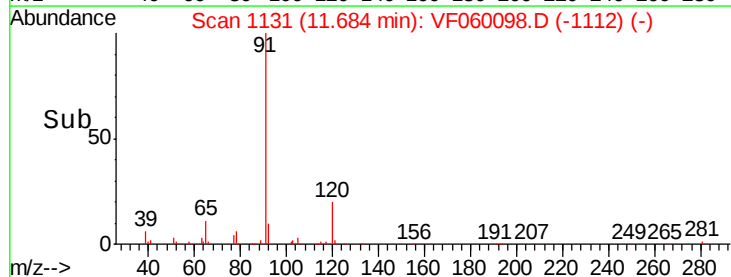
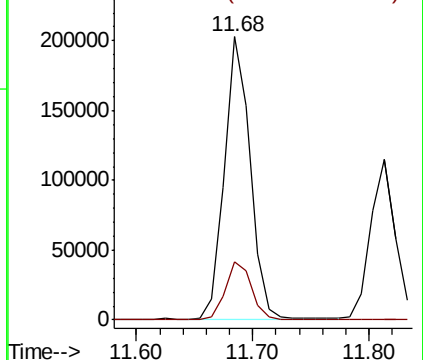
91 100

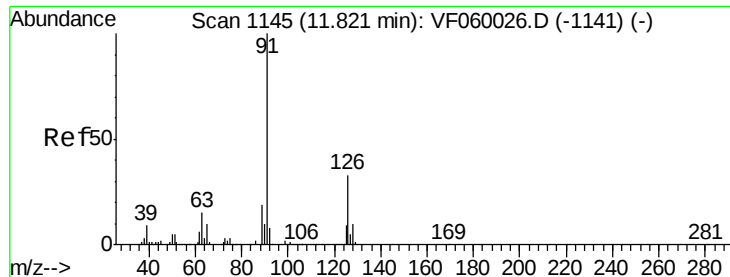
120 20.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.52 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

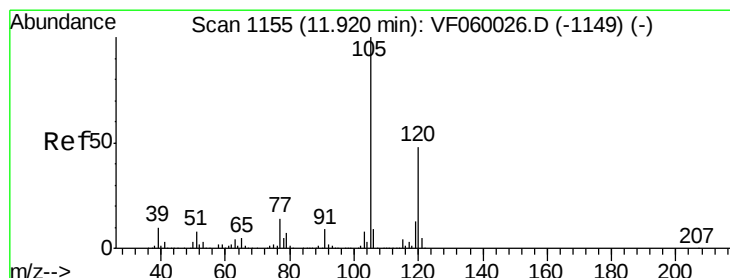
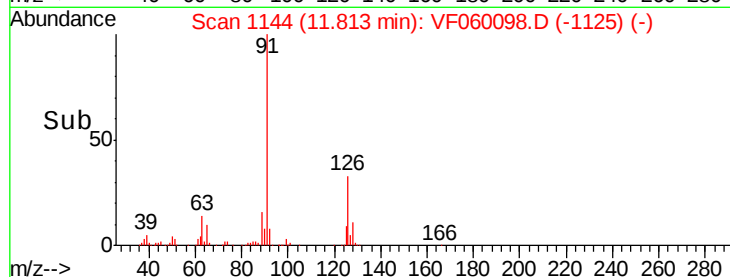
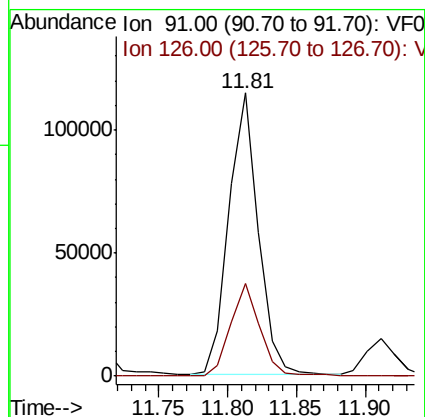
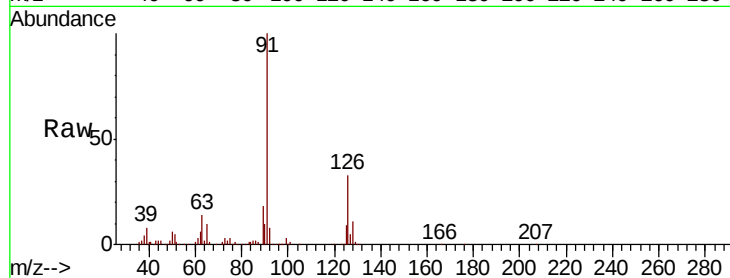
VF0824SBS01

Tot Ion: 91 Resp: 170691

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 24.00 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060098.D

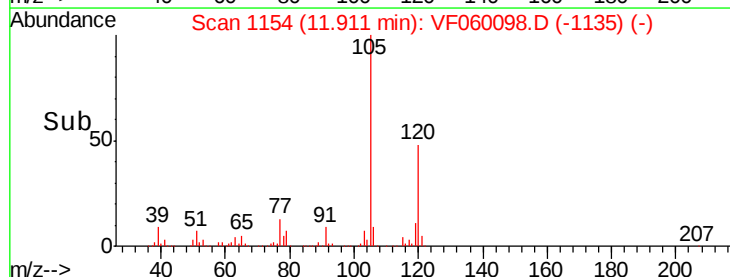
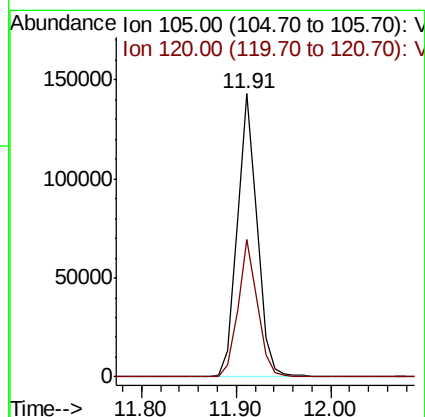
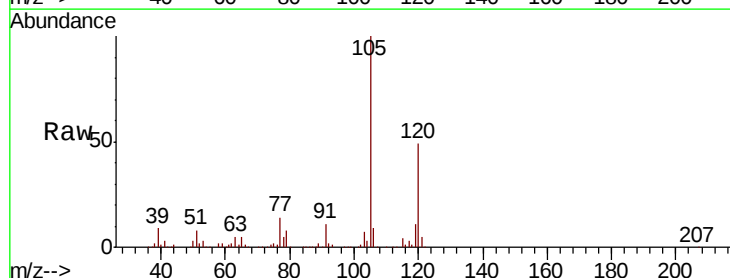
Acq: 24 Aug 2018 14:24

Tgt Ion:105 Resp: 209112

Ion Ratio Lower Upper

105 100

120 48.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 25.09 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

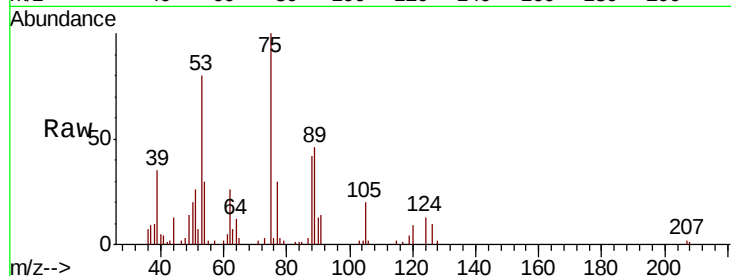
Tot Ion: 75 Resp: 19445

Ion Ratio Lower Upper

75 100

53 80.0 66.2 99.4

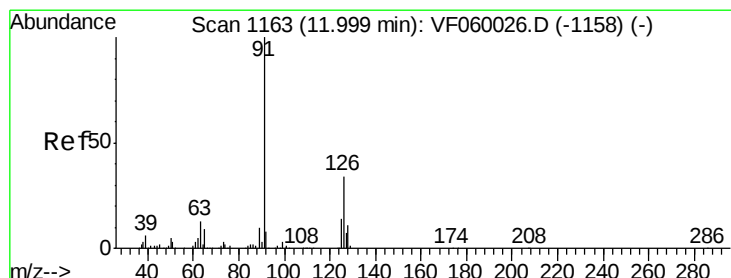
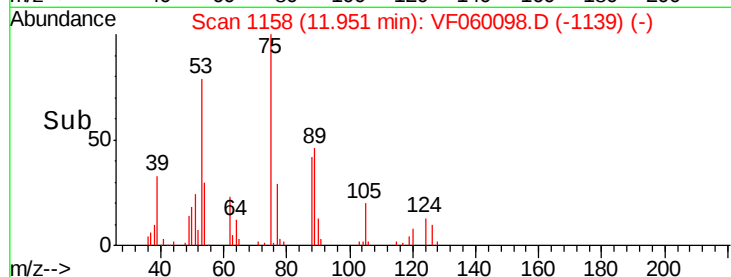
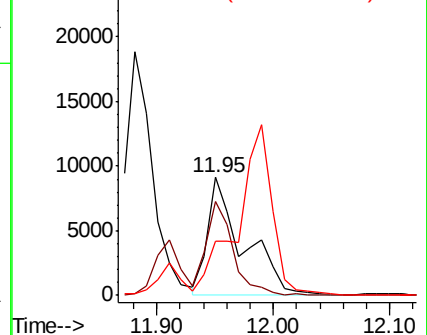
89 46.2 42.8 64.2



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: 23.38 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF060098.D

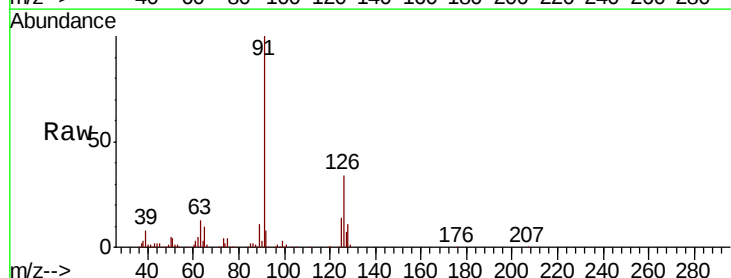
Acq: 24 Aug 2018 14:24

Tgt Ion: 91 Resp: 184184

Ion Ratio Lower Upper

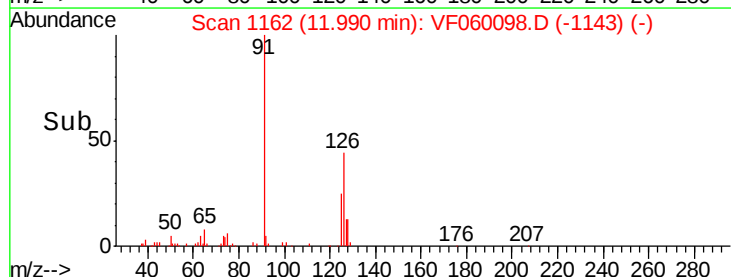
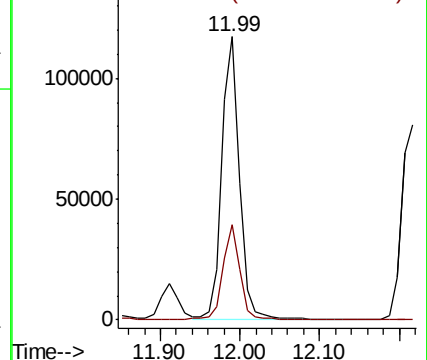
91 100

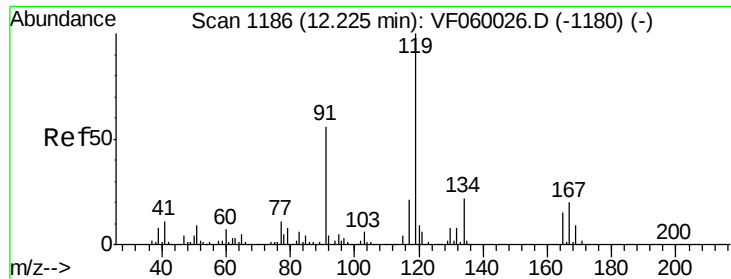
126 33.7 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

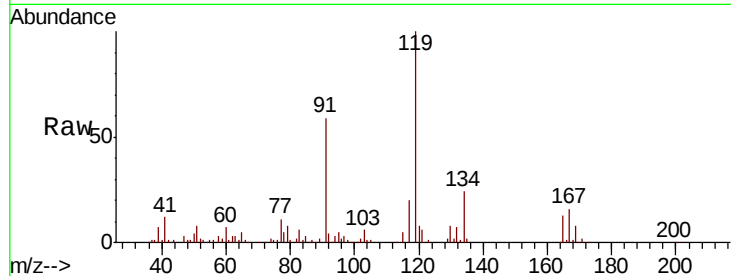




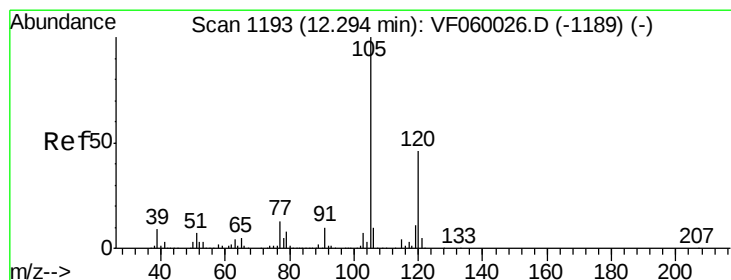
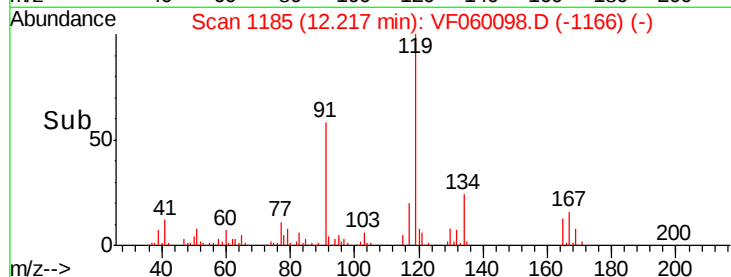
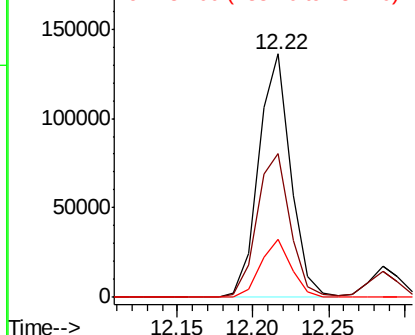
#83
tert-Butylbenzene
Concen: 23.71 ug/l
RT: 12.22 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion:119 Resp: 201434
Ion Ratio Lower Upper
119 100
91 59.2 28.1 84.3
134 23.9 11.1 33.3

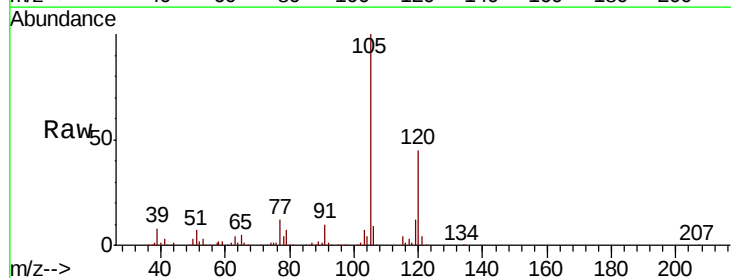


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

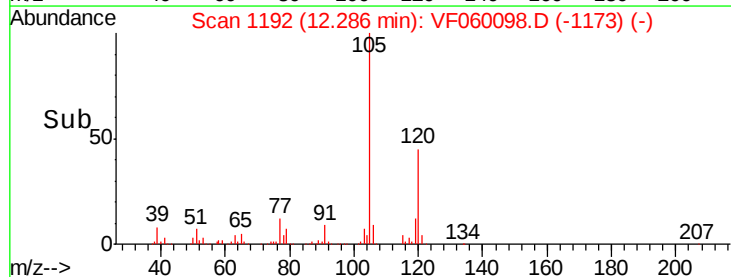
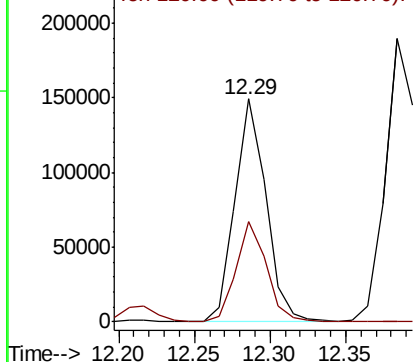


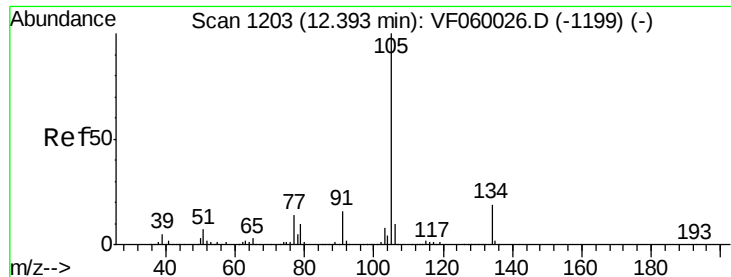
#84
1,2,4-Trimethylbenzene
Concen: 23.08 ug/l
RT: 12.29 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion:105 Resp: 213806
Ion Ratio Lower Upper
105 100
120 45.0 23.3 69.8



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

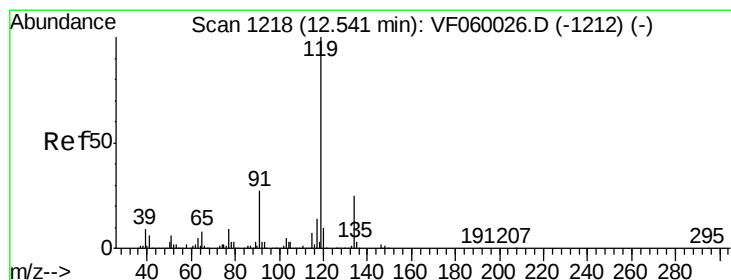
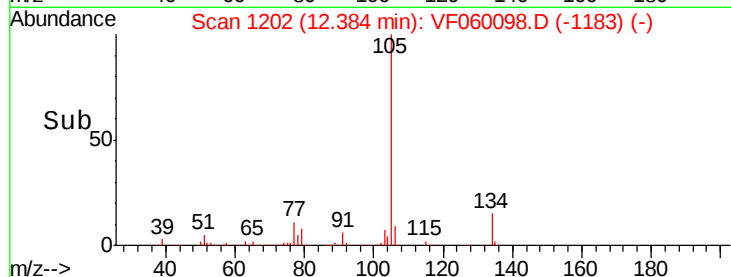
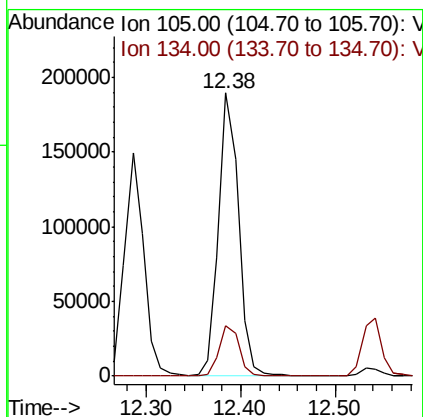
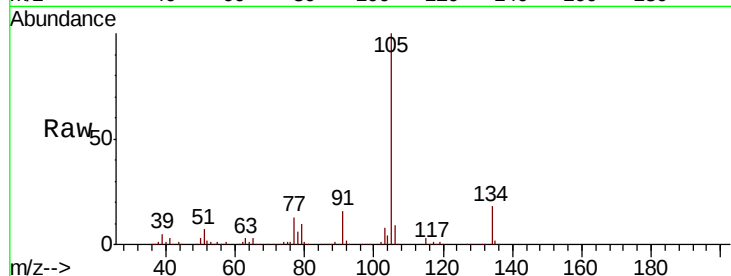




#85
 sec-Butylbenzene
 Concen: 23.76 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

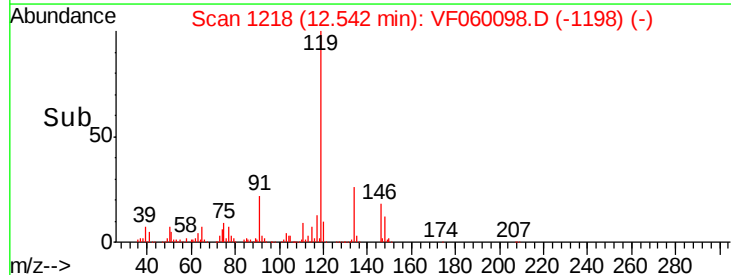
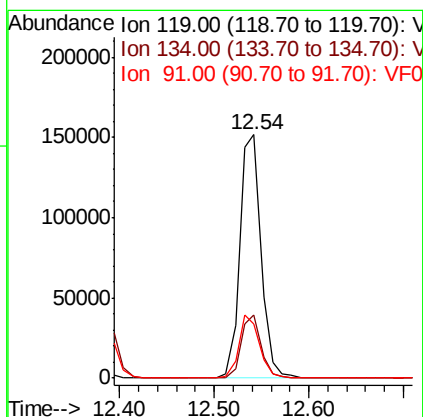
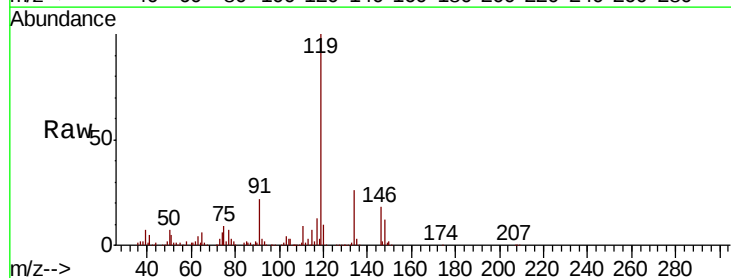
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

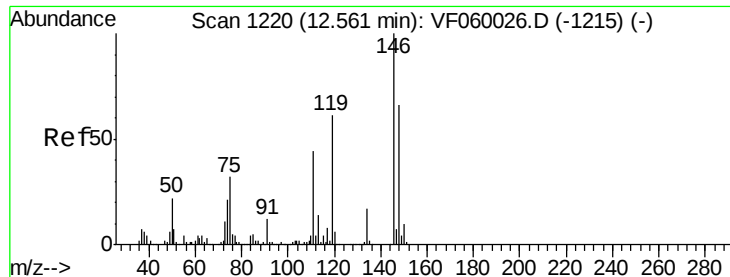
Tot Ion:105 Resp: 281104
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 23.98 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion:119 Resp: 235380
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.4 37.2
 91 22.1 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 23.48 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

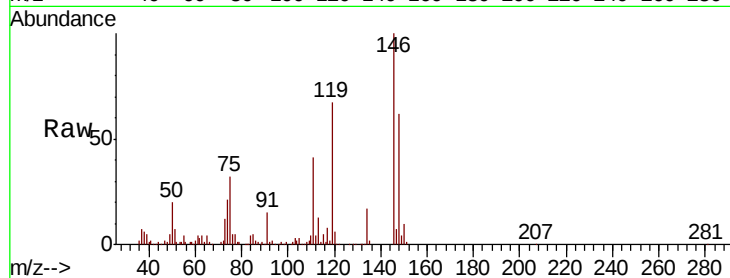
Tot Ion:146 Resp: 118060

Ion Ratio Lower Upper

146 100

111 41.4 21.9 65.5

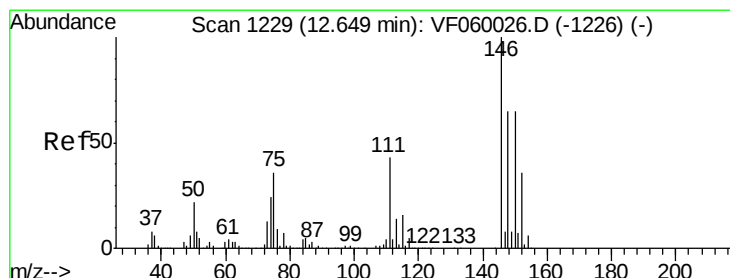
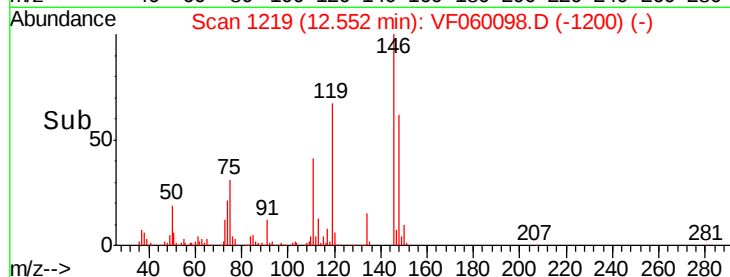
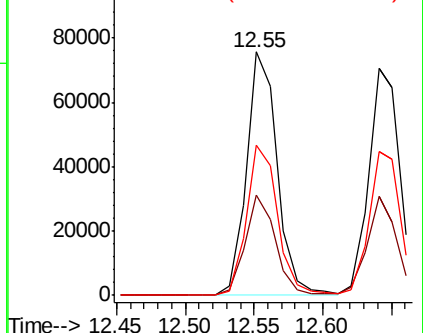
148 61.9 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 22.50 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

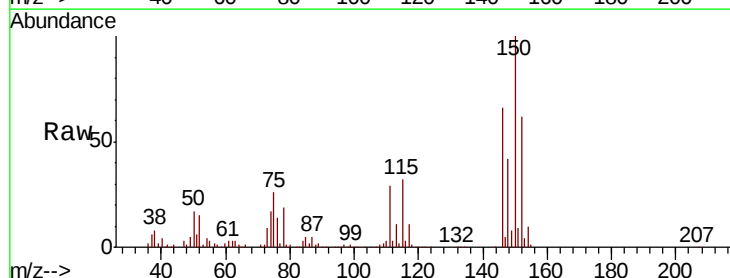
Tgt Ion:146 Resp: 112439

Ion Ratio Lower Upper

146 100

111 43.5 21.6 64.8

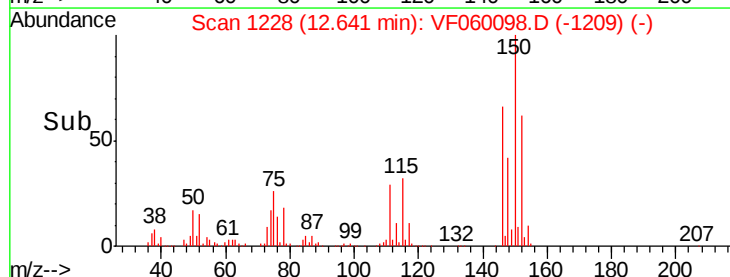
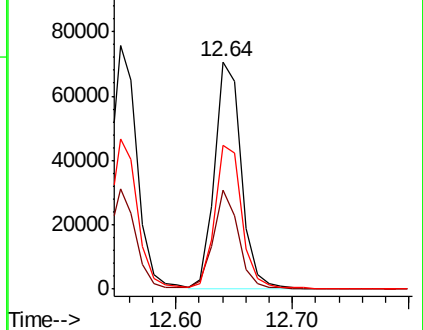
148 63.3 32.3 96.8

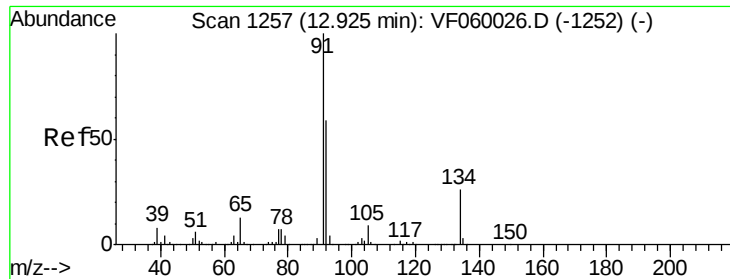


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

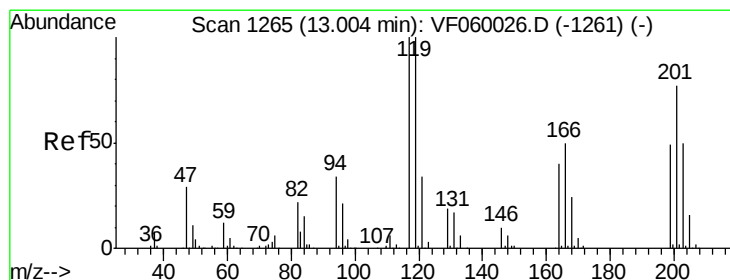
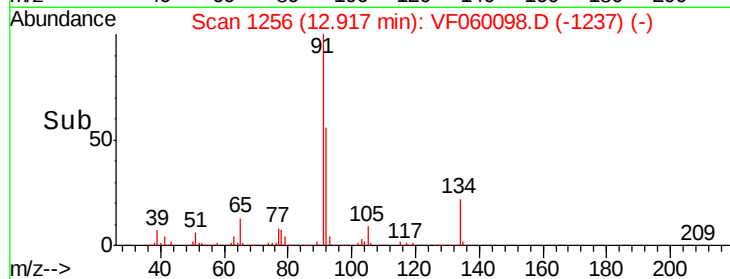
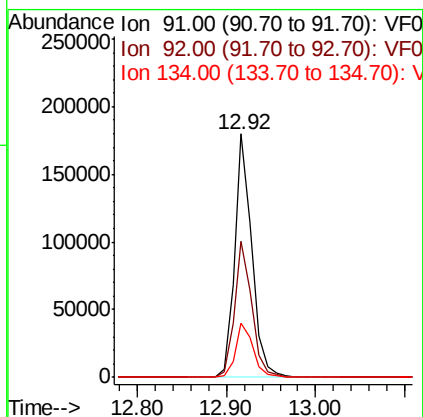
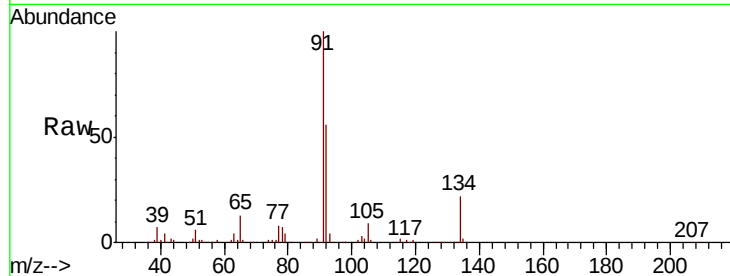




#89
n-Butylbenzene
Concen: 25.83 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

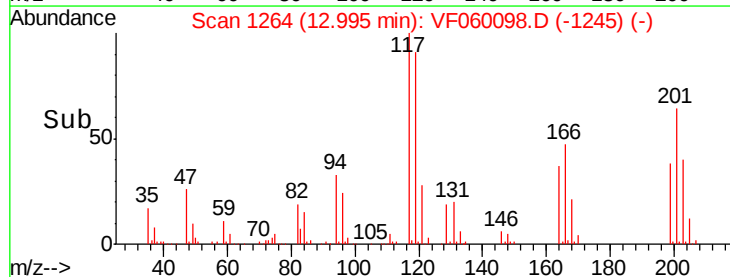
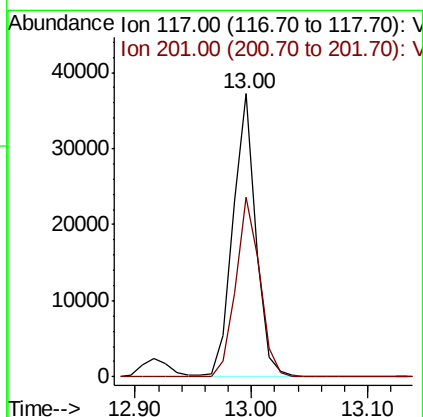
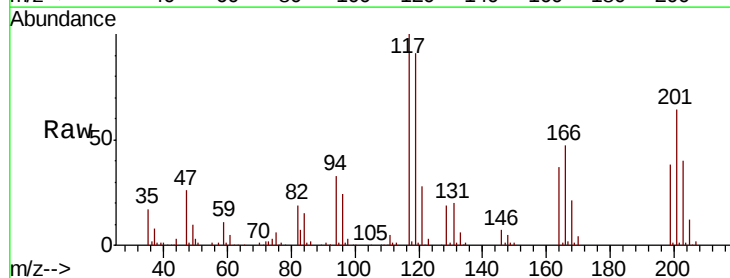
Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

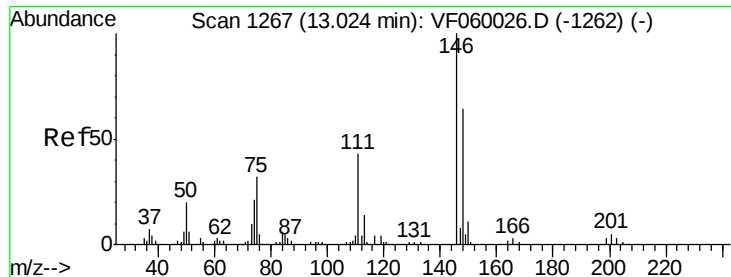
Tot Ion: 91 Resp: 246318
Ion Ratio Lower Upper
91 100
92 55.6 29.3 87.9
134 22.4 12.8 38.3



#90
Hexachloroethane
Concen: 23.07 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060098.D
Acq: 24 Aug 2018 14:24

Tgt Ion: 117 Resp: 50887
Ion Ratio Lower Upper
117 100
201 63.6 38.6 115.8





#91

1,2-Dichlorobenzene

Concen: 22.14 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

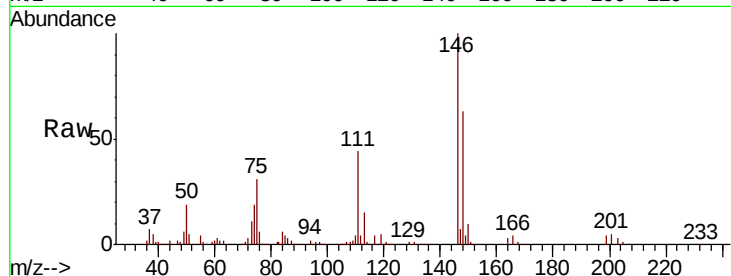
Tot Ion:146 Resp: 107056

Ion Ratio Lower Upper

146 100

111 43.8 21.6 64.6

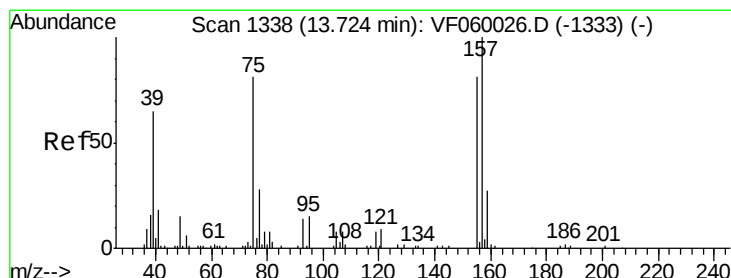
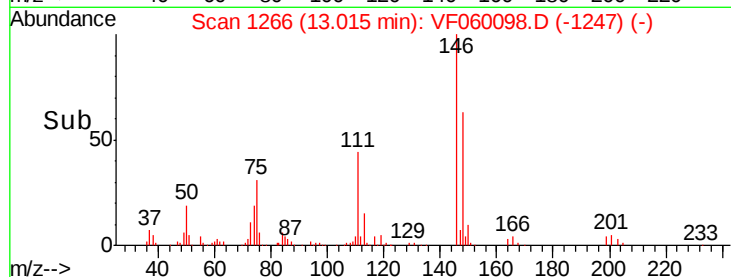
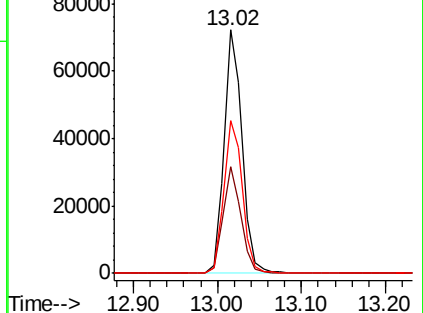
148 62.7 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.85 ug/l

RT: 13.72 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

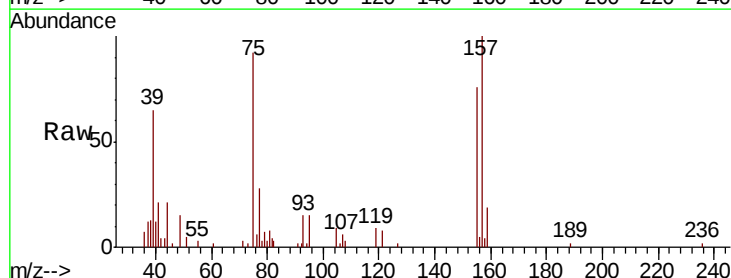
Tgt Ion: 75 Resp: 7964

Ion Ratio Lower Upper

75 100

155 82.8 49.8 149.3

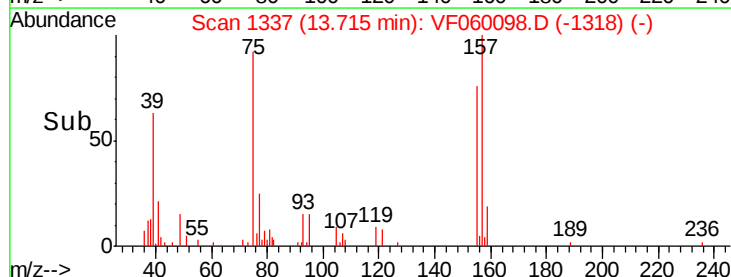
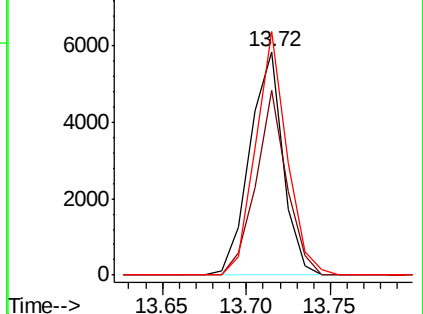
157 113.5 61.6 184.7

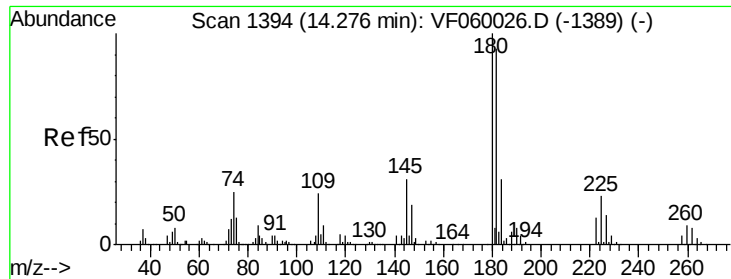


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

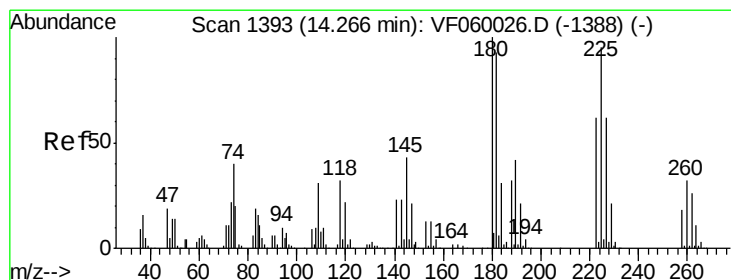
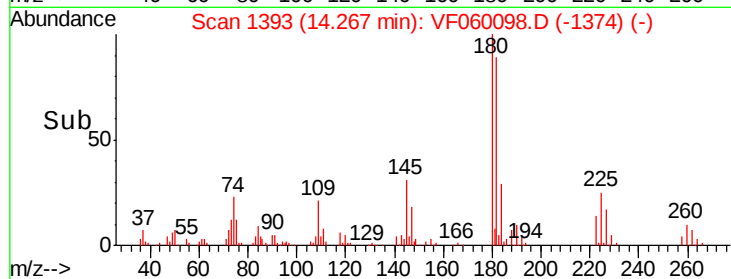
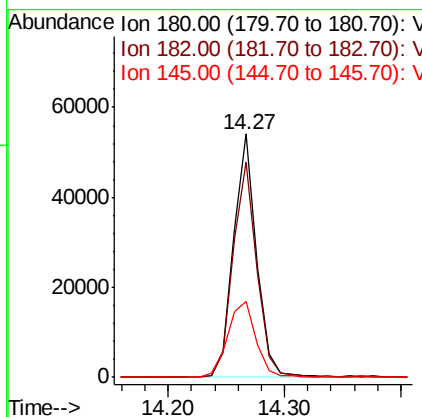
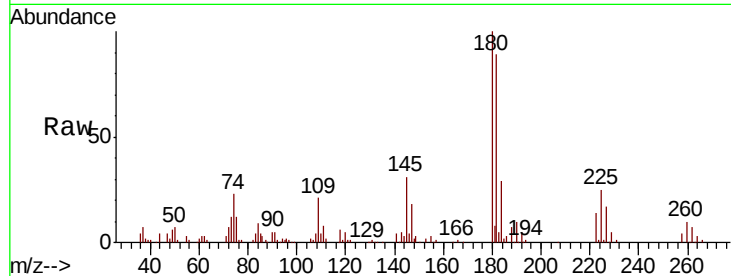




#93
 1,2,4-Trichlorobenzene
 Concen: 20.86 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

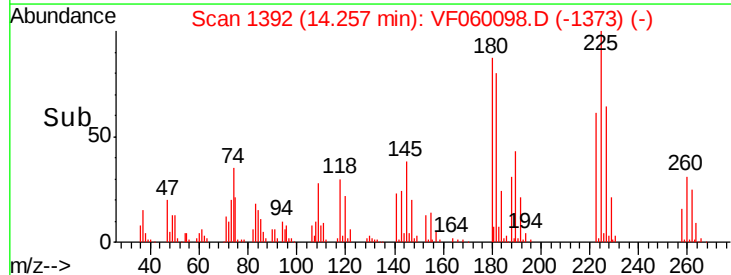
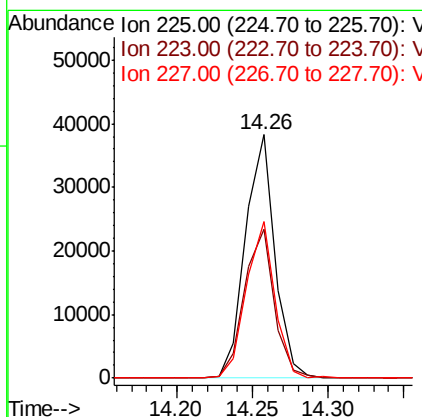
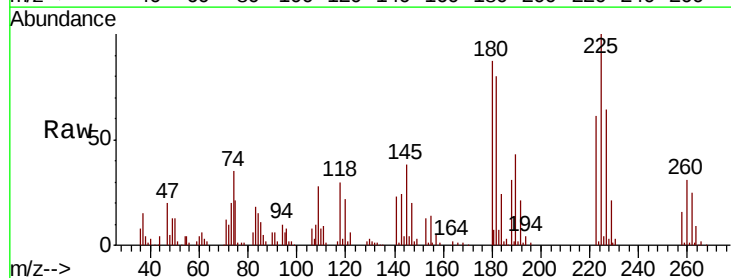
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

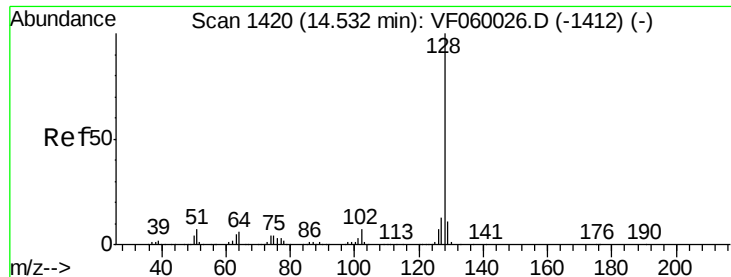
Tot Ion:180 Resp: 74272
 Ion Ratio Lower Upper
 180 100
 182 88.7 46.8 140.3
 145 31.1 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 23.36 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060098.D
 Acq: 24 Aug 2018 14:24

Tgt Ion:225 Resp: 51767
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.6 97.8
 227 64.1 33.0 98.9





#95

Naphthalene

Concen: 15.15 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

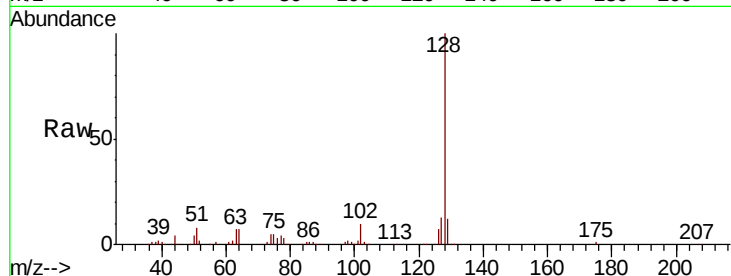
Tot Ion:128 Resp: 83317

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

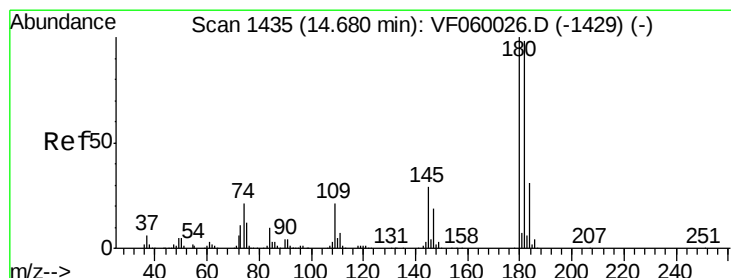
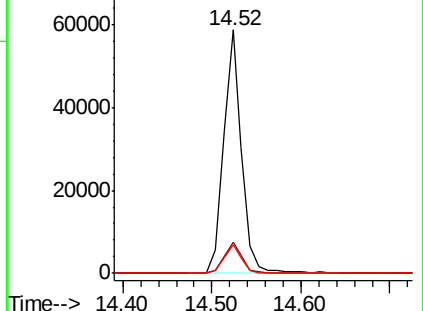
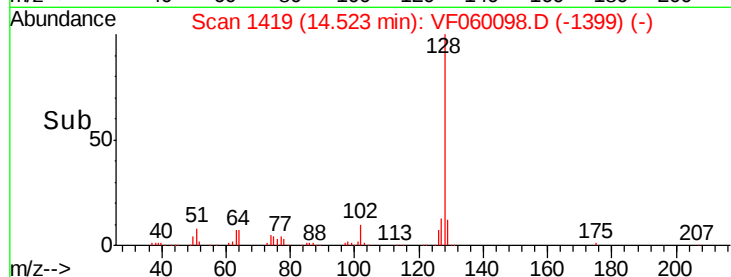
129 12.0 8.5 12.7



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: 19.41 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060098.D

Acq: 24 Aug 2018 14:24

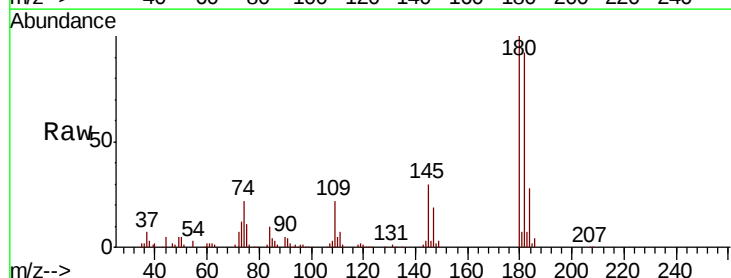
Tgt Ion:180 Resp: 65945

Ion Ratio Lower Upper

180 100

182 92.0 49.0 147.2

145 30.2 14.4 43.2



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

