

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060350.D
 Acq On : 26 Sep 2018 14:29
 Operator : VA/AP
 Sample : VF0926SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

Quant Time: Sep 26 15:56:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	247235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	403369	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	354819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	192470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	165410	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	4.29	113	192824	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	7.71	98	448421	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.50	95	199408	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	110262	26.902	ug/l	98
3) Chloromethane	1.13	50	81027	24.050	ug/l	100
4) Vinyl Chloride	1.17	62	81465	23.726	ug/l	96
5) Bromomethane	1.35	94	55695	25.292	ug/l	99
6) Chloroethane	1.44	64	41249	25.225	ug/l	93
7) Trichlorofluoromethane	1.54	101	166070	25.961	ug/l	99
8) Diethyl Ether	1.70	74	25031	23.519	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.90	101	87351	25.676	ug/l	99
10) Methyl Iodide	1.97	142	135741	24.743	ug/l	96
11) Tert butyl alcohol	2.69	59	29448	151.941	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	75805	26.943	ug/l	90
13) Acrolein	2.09	56	9026	109.642	ug/l	82
14) Allyl chloride	2.19	41	112484	22.911	ug/l	96
15) Acrylonitrile	3.07	53	49947	106.229	ug/l	87
16) Acetone	2.33	43	110291	117.638	ug/l	96
17) Carbon Disulfide	1.89	76	213497	27.032	ug/l	94
18) Methyl Acetate	2.45	43	35598	22.792	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	168070	23.962	ug/l	96
20) Methylene Chloride	2.28	84	31691	5.970	ug/l	98
21) trans-1,2-Dichloroethene	2.40	96	76364	26.279	ug/l	98
22) Diisopropyl ether	2.92	45	204326	22.058	ug/l	95
23) Vinyl Acetate	3.33	43	440465	121.067	ug/l	98
24) 1,1-Dichloroethane	3.00	63	134226	22.343	ug/l	100
25) 2-Butanone	4.50	43	140156	111.065	ug/l	96
26) 2,2-Dichloropropane	3.75	77	80536	23.495	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	91515	23.972	ug/l	85
28) Bromochloromethane	3.88	49	52504	22.448	ug/l	98
29) Tetrahydrofuran	4.25	42	54097	117.062	ug/l	100
30) Chloroform	4.03	83	172757	23.832	ug/l	93
31) Cyclohexane	3.85	56	116640	22.986	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	140232	24.517	ug/l	91
36) 1,1-Dichloropropene	4.45	75	122999	24.446	ug/l	97
37) Ethyl Acetate	4.28	43	47512	22.317	ug/l	95
38) Carbon Tetrachloride	4.16	117	154762	28.637	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	133537	24.488	ug/l	94
40) Benzene	4.81	78	277146	24.292	ug/l	100
41) Methacrylonitrile	4.92	41	22870	19.797	ug/l	94
42) 1,2-Dichloroethane	5.10	62	98370	23.425	ug/l	100
43) Isopropyl Acetate	7.11	43	59608	23.257	ug/l #	88
44) Trichloroethene	5.67	130	81364	23.963	ug/l	91
45) 1,2-Dichloropropane	6.40	63	63737	21.586	ug/l	98
46) Dibromomethane	6.25	93	48182	22.829	ug/l	97
47) Bromodichloromethane	6.54	83	117843	23.234	ug/l #	92
48) Methyl methacrylate	6.87	41	37681	20.944	ug/l	98
49) 1,4-Dioxane	6.86	88	6570	408.752	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	211623	107.130	ug/l	98
52) Toluene	7.78	92	165883	22.983	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	93810	22.930	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	116711	22.645	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	48929	22.336	ug/l	91
56) Ethyl methacrylate	8.75	69	61301	23.171	ug/l	90
57) 1,3-Dichloropropane	9.00	76	86896	23.957	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.77	63	26128	111.715	ug/l	100
59) 2-Hexanone	9.63	43	160056	113.798	ug/l	99
60) Dibromochloromethane	8.86	129	75902	23.248	ug/l	86
61) 1,2-Dibromoethane	9.13	107	55448	22.731	ug/l	98
64) Tetrachloroethene	8.30	164	68106	21.174	ug/l	99
65) Chlorobenzene	9.93	112	183893	22.867	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	80694	24.179	ug/l	96
67) Ethyl Benzene	10.03	91	355394	23.902	ug/l	97
68) m/p-Xylenes	10.26	106	252321	49.118	ug/l	99
69) o-Xylene	10.82	106	135573	23.530	ug/l	90
70) Styrene	10.90	104	190874	23.490	ug/l	95
71) Bromoform	10.88	173	41223	22.491	ug/l	94
73) Isopropylbenzene	11.23	105	401758	23.252	ug/l	100
74) N-amyl acetate	11.46	43	95237	25.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	68027	22.215	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	48670	22.198	ug/l	89
77) Bromobenzene	11.59	156	84581	22.714	ug/l	96
78) n-propylbenzene	11.68	91	460361	22.433	ug/l	96
79) 2-Chlorotoluene	11.81	91	262516	22.523	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	328542	23.621	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	30788	26.571	ug/l	97
82) 4-Chlorotoluene	11.99	91	267072	22.798	ug/l	99
83) tert-Butylbenzene	12.21	119	326845	23.182	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	325456	23.044	ug/l	96
85) sec-Butylbenzene	12.39	105	431452	21.519	ug/l	99
86) p-Isopropyltoluene	12.54	119	369464	24.054	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	159188	22.877	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	150283	21.851	ug/l	99
89) n-Butylbenzene	12.92	91	379453	22.414	ug/l	94
90) Hexachloroethane	12.99	117	90011	22.814	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	152132	22.919	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11742	20.424	ug/l	98

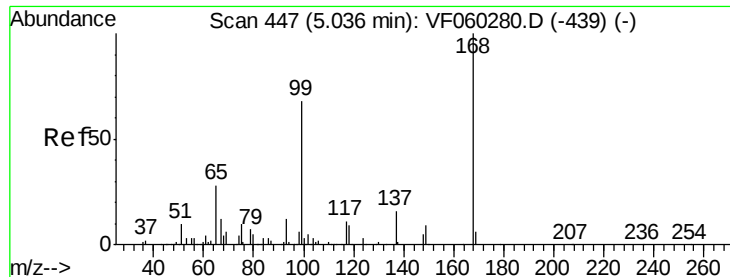
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092618\
Data File : VF060350.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	110852	22.976	ug/l	96
94) Hexachlorobutadiene	14.25	225	72874	22.344	ug/l	96
95) Naphthalene	14.52	128	209558	24.774	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	104596	23.462	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

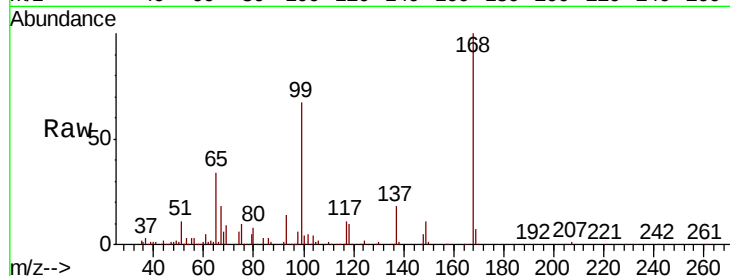
VF0926SBS01

Tot Ion:168 Resp: 247235

Ion Ratio Lower Upper

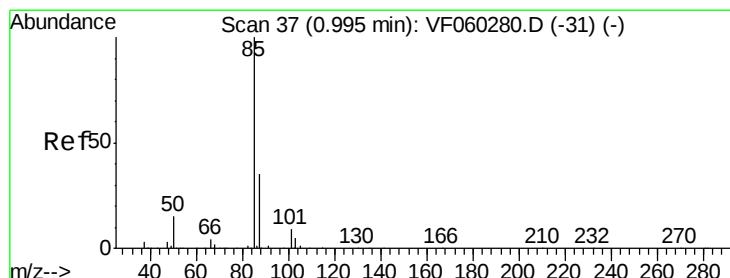
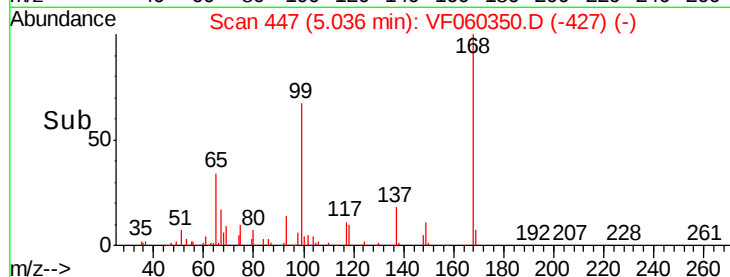
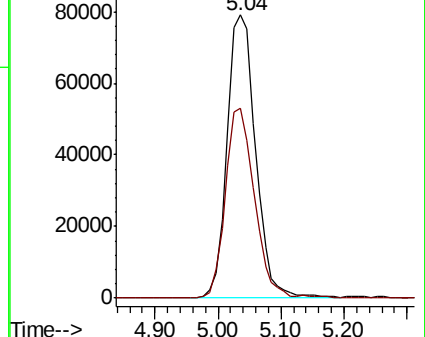
168 100

99 67.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 26.902 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060350.D

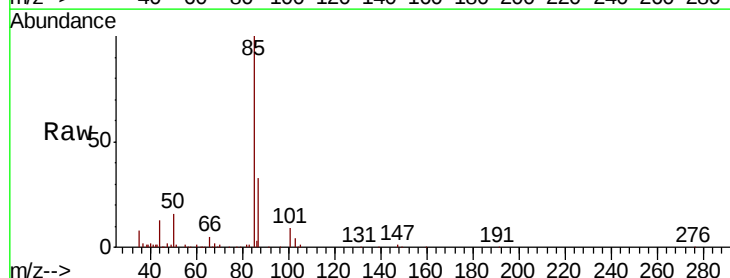
Acq: 26 Sep 2018 14:29

Tgt Ion: 85 Resp: 110262

Ion Ratio Lower Upper

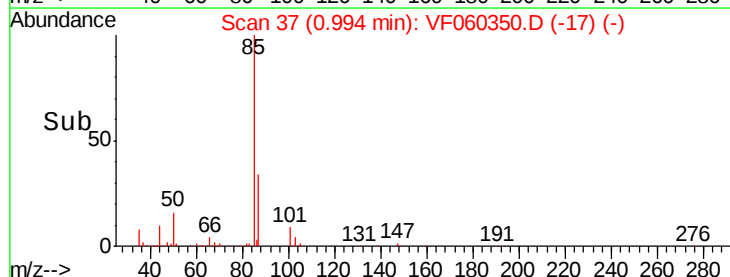
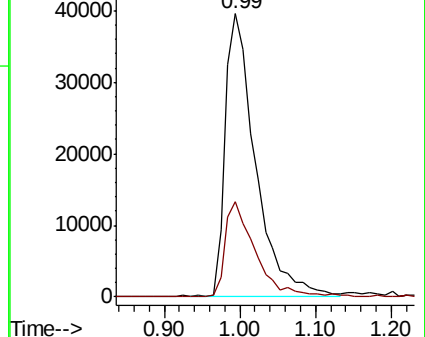
85 100

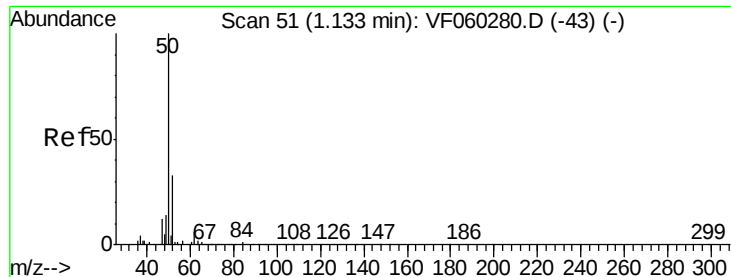
87 33.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 24.050 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

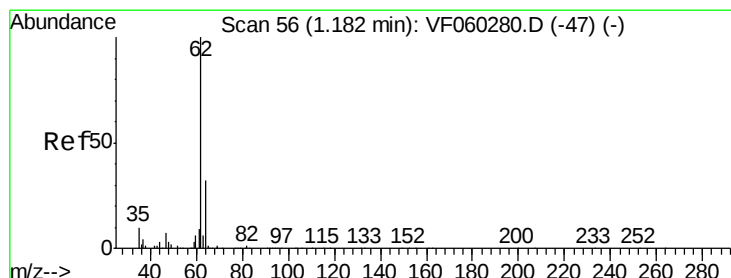
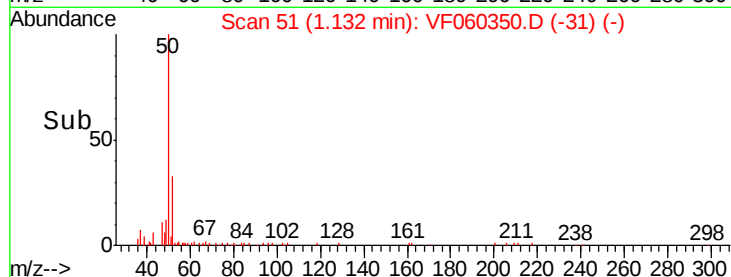
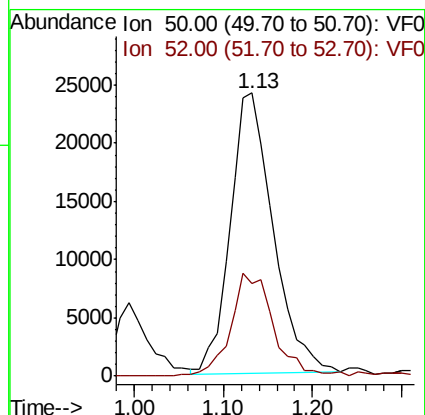
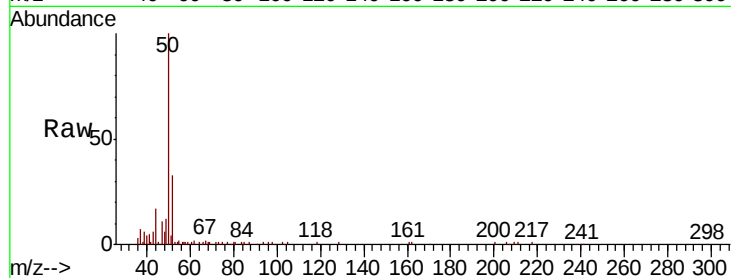
VF0926SBSD01

Tot Ion: 50 Resp: 81027

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 23.726 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060350.D

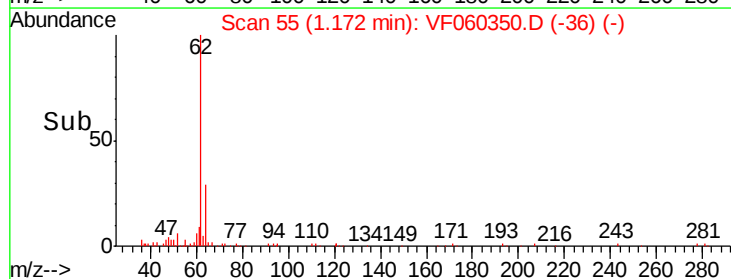
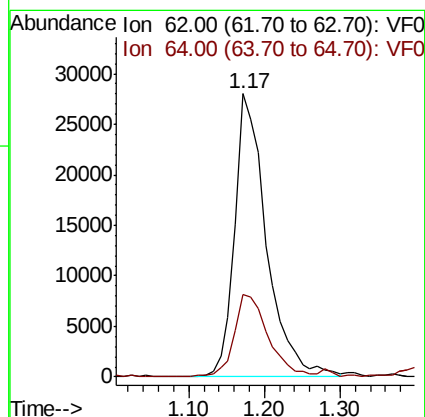
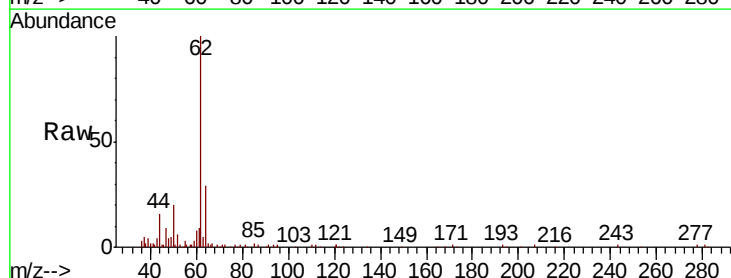
Acq: 26 Sep 2018 14:29

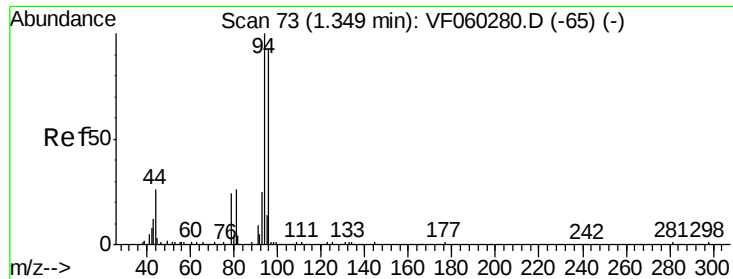
Tgt Ion: 62 Resp: 81465

Ion Ratio Lower Upper

62 100

64 29.2 25.2 37.8





#5

Bromomethane

Concen: 25.292 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

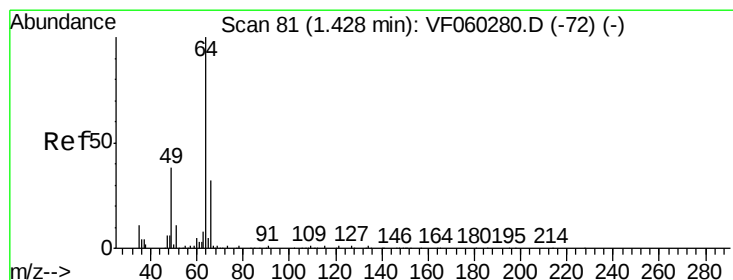
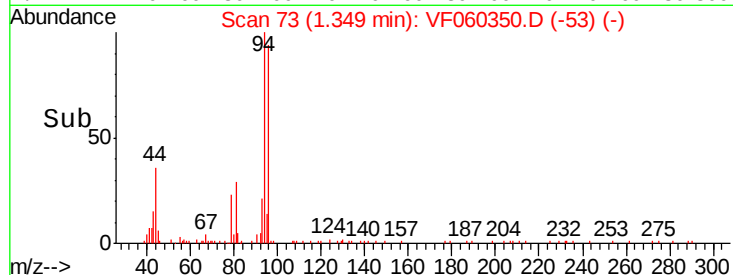
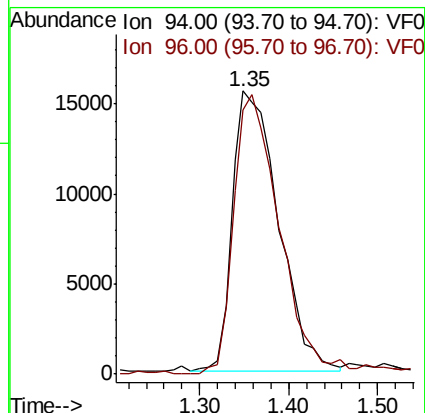
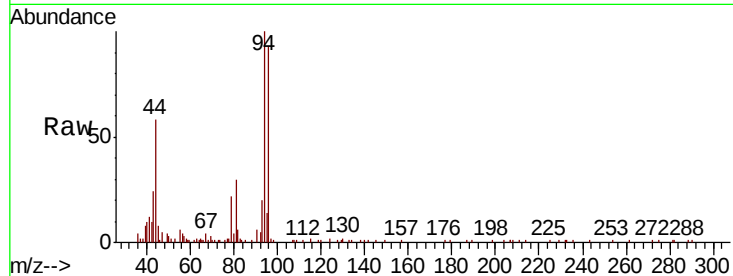
VF0926SBSD01

Tot Ion: 94 Resp: 55695

Ion Ratio Lower Upper

94 100

96 93.4 73.9 110.9



#6

Chloroethane

Concen: 25.225 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF060350.D

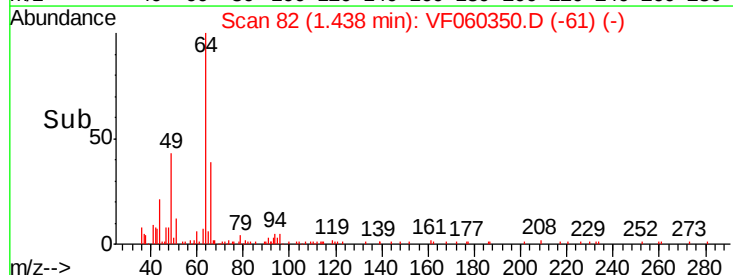
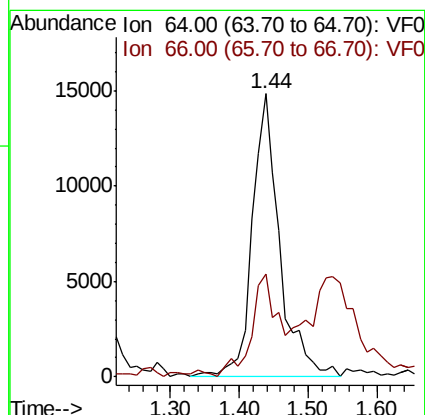
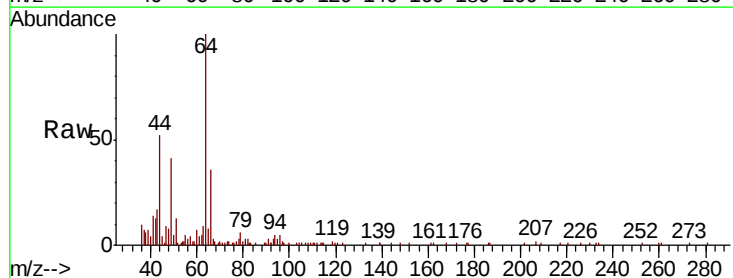
Acq: 26 Sep 2018 14:29

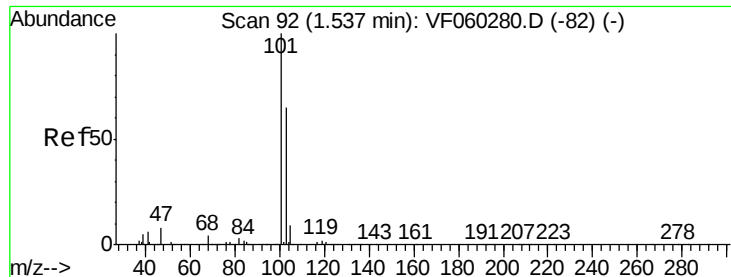
Tgt Ion: 64 Resp: 41249

Ion Ratio Lower Upper

64 100

66 36.4 26.2 39.2



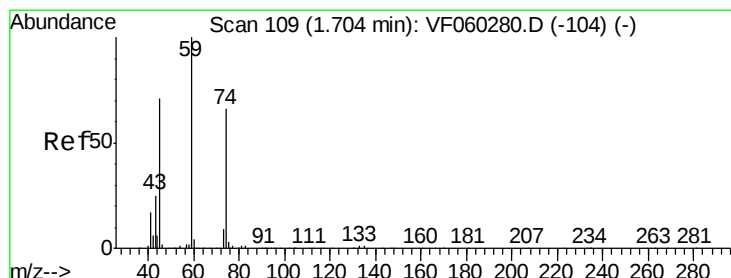
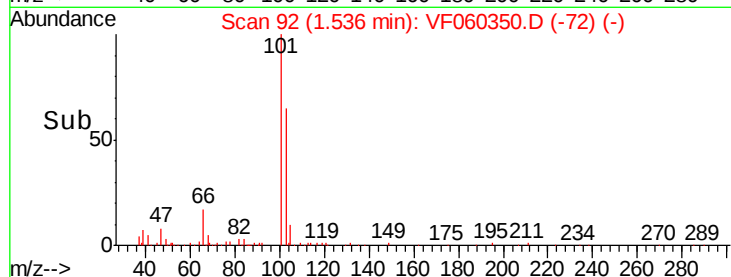
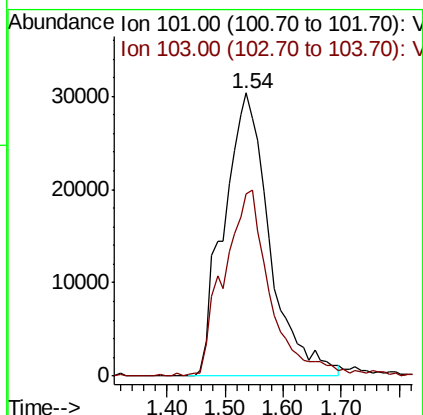
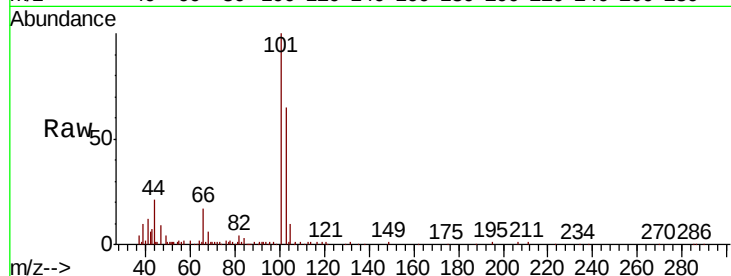


#7

Trichlorofluoromethane
 Concen: 25.961 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

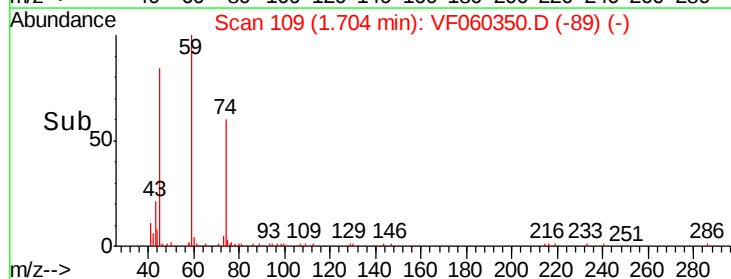
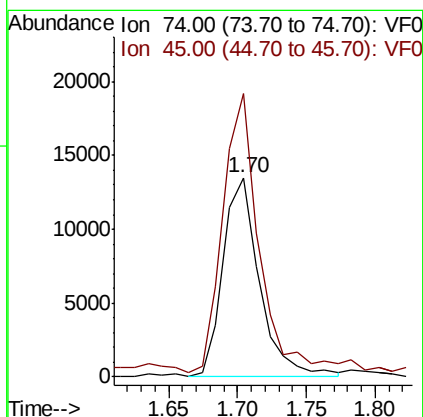
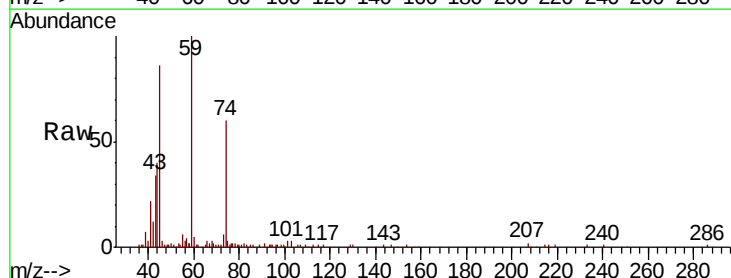
Tot Ion:101 Resp: 166070
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.0 78.0

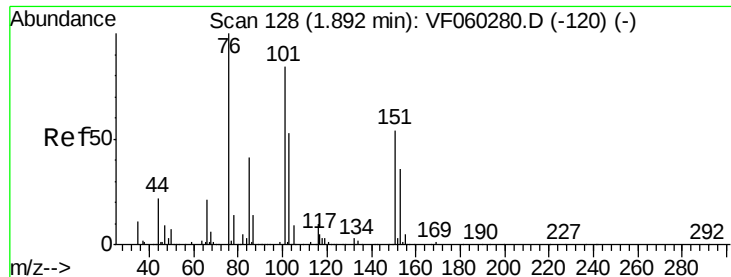


#8

Diethyl Ether
 Concen: 23.519 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion: 74 Resp: 25031
 Ion Ratio Lower Upper
 74 100
 45 142.1 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.676 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

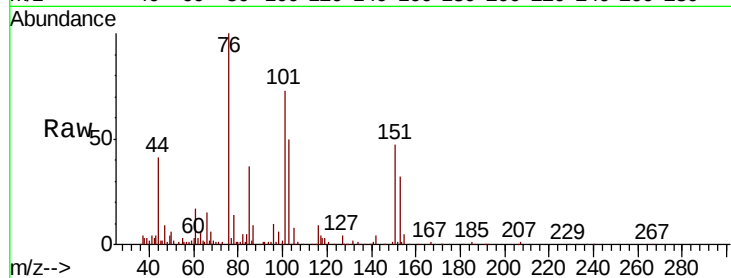
Tot Ion:101 Resp: 87351

Ion Ratio Lower Upper

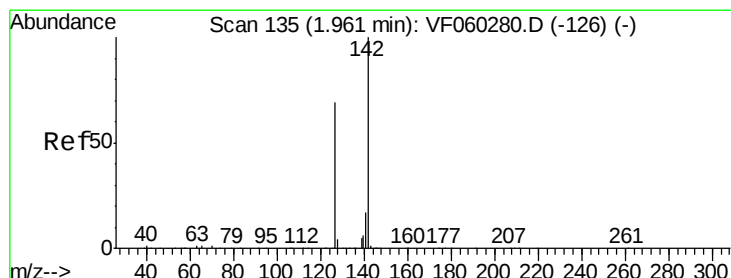
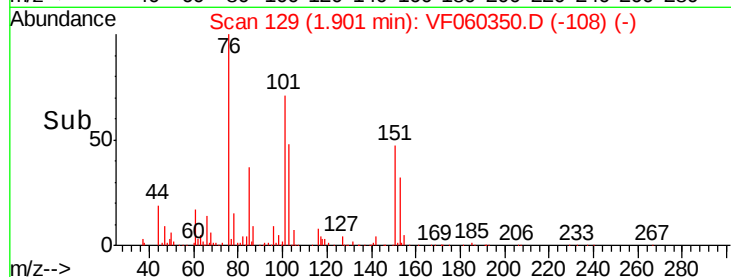
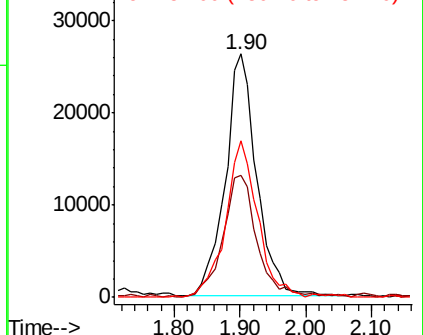
101 100

85 49.9 38.7 58.1

151 64.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 24.743 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

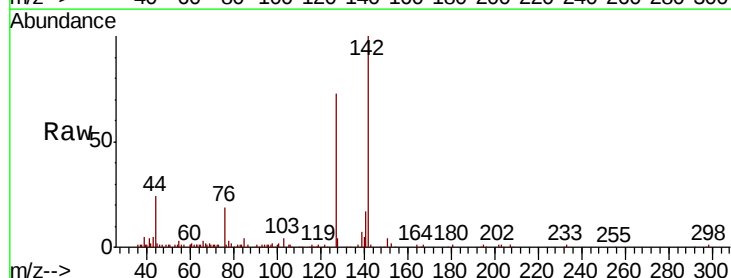
Tgt Ion:142 Resp: 135741

Ion Ratio Lower Upper

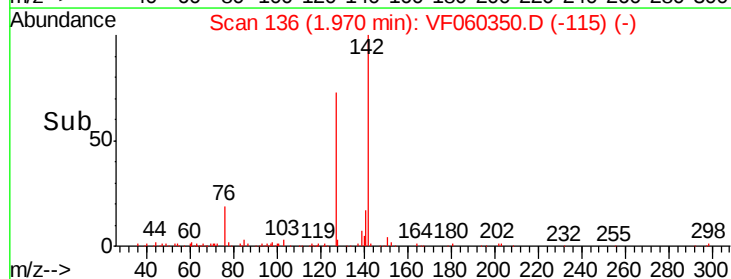
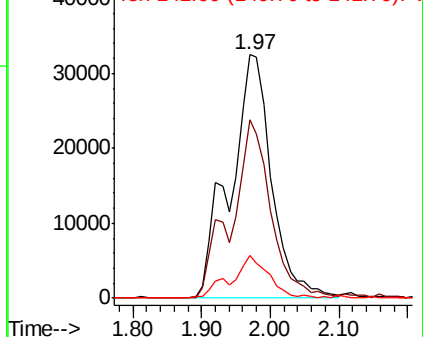
142 100

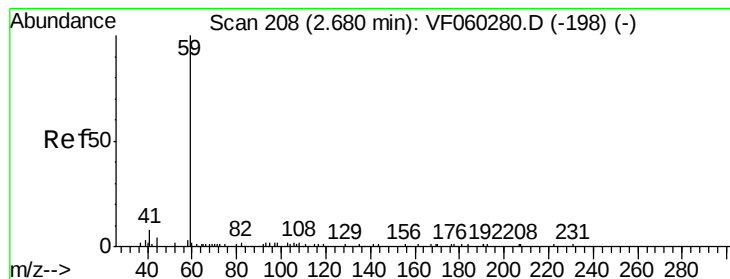
127 73.0 55.4 83.0

141 17.3 13.3 19.9



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



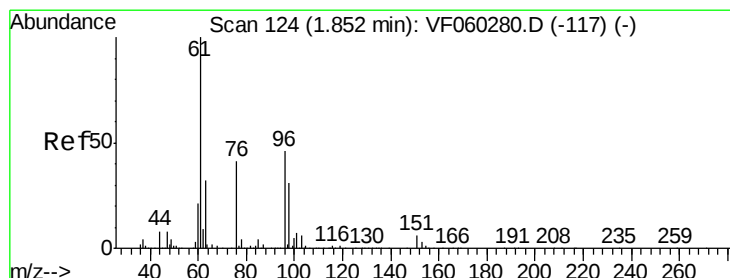
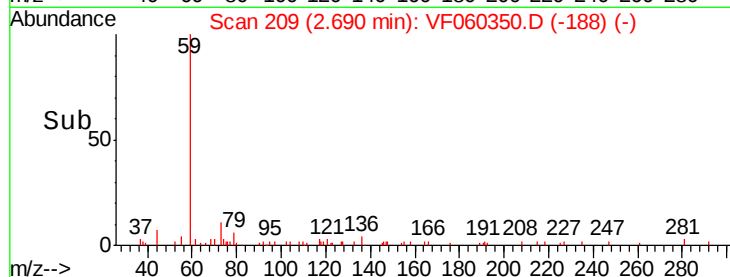
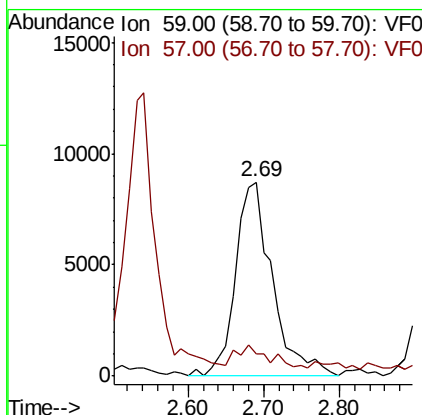
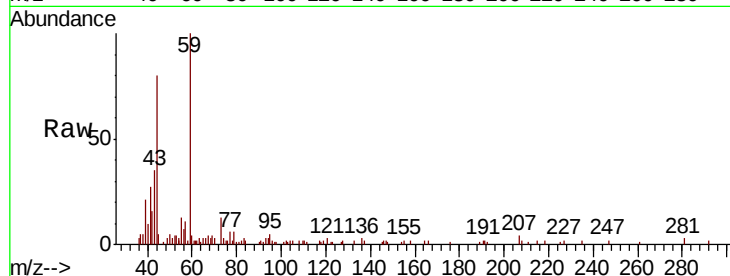


#11

Tert butyl alcohol
 Concen: 151.941 ug/l
 RT: 2.69 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

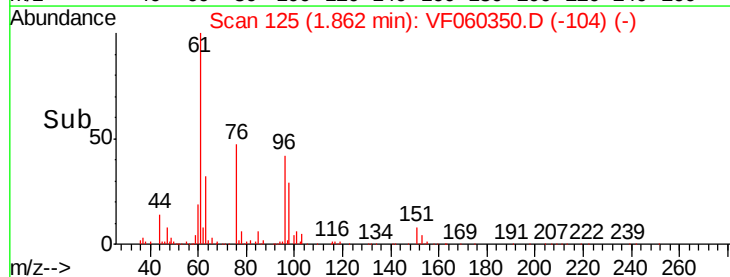
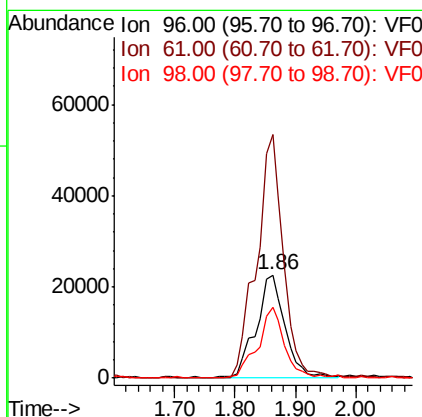
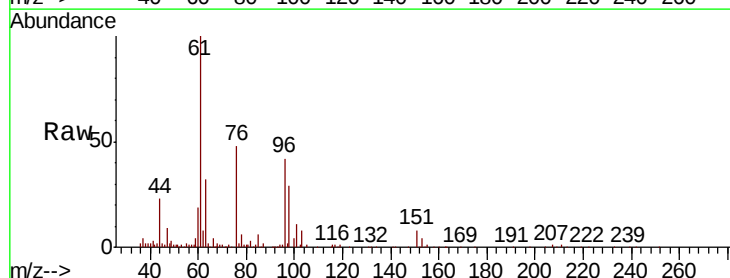
Tot Ion: 59 Resp: 29448
 Ion Ratio Lower Upper
 59 100
 57 11.4 12.4 18.6#

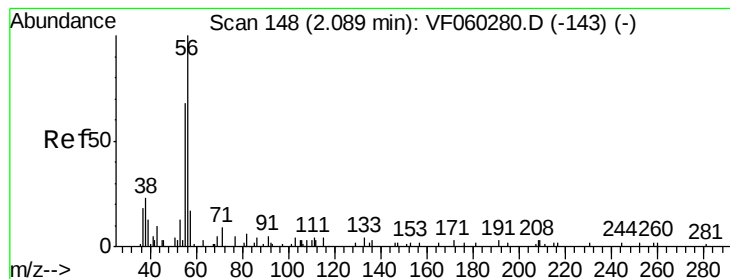


#12

1,1-Dichloroethene
 Concen: 26.943 ug/l
 RT: 1.86 min Scan# 125
 Delta R.T. 0.01 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion: 96 Resp: 75805
 Ion Ratio Lower Upper
 96 100
 61 235.6 172.2 258.2
 98 68.6 54.1 81.1





#13

Acrolein

Concen: 109.642 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

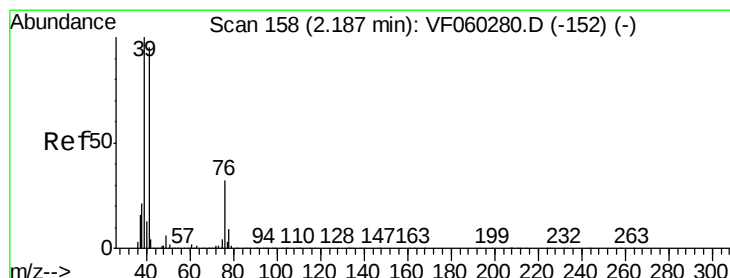
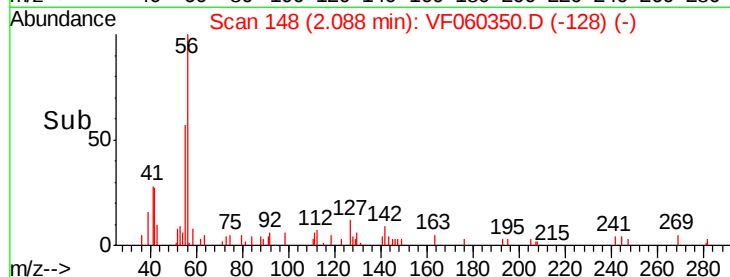
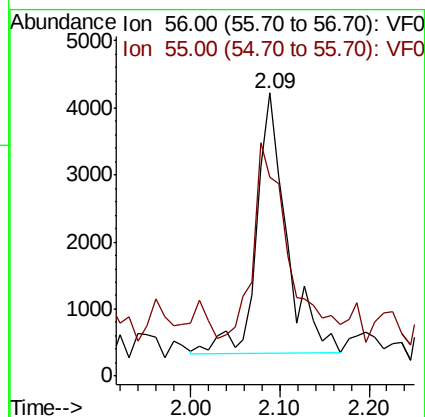
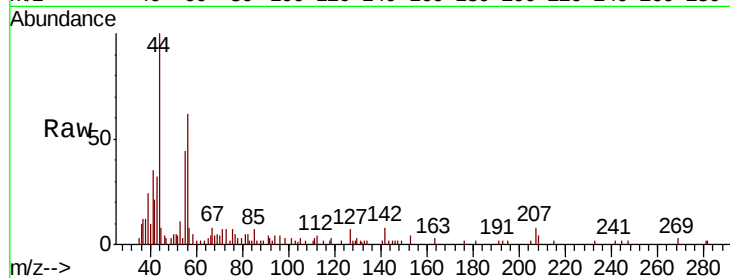
VF0926SBSD01

Tot Ion: 56 Resp: 9026

Ion Ratio Lower Upper

56 100

55 70.5 69.9 104.9



#14

Allyl chloride

Concen: 22.911 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

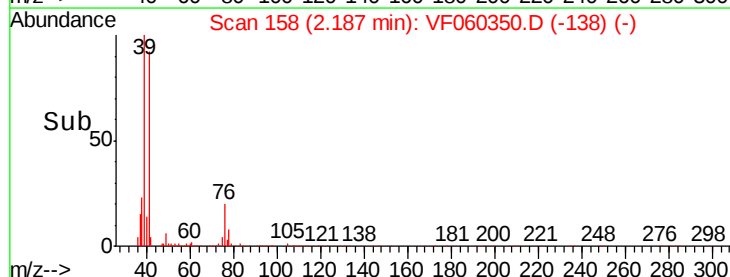
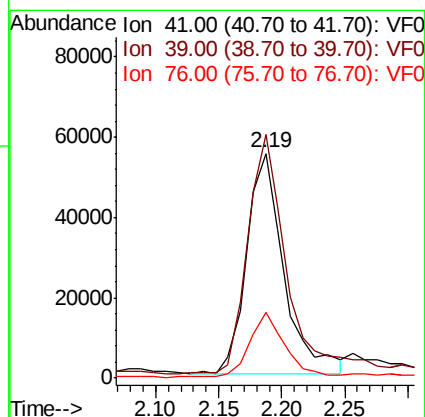
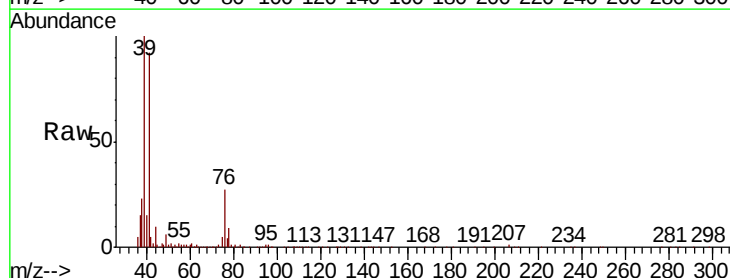
Tgt Ion: 41 Resp: 112484

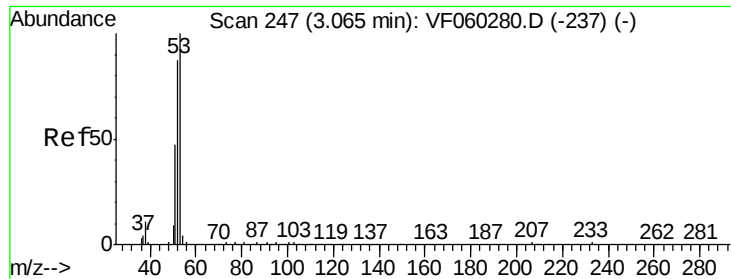
Ion Ratio Lower Upper

41 100

39 108.2 84.8 127.2

76 29.0 27.4 41.2





#15

Acrylonitrile

Concen: 106.229 ug/l

RT: 3.07 min Scan# 248

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

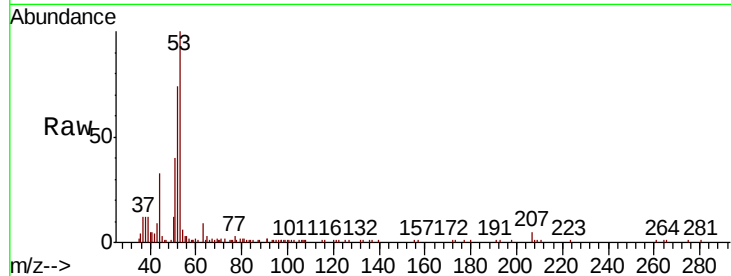
MSVOA_F

ClientSampleId :

VF0926SBS01

Tot Ion: 53 Resp: 49947

Ion	Ratio	Lower	Upper
53	100		
52	74.1	69.5	104.3
51	39.9	38.1	57.1

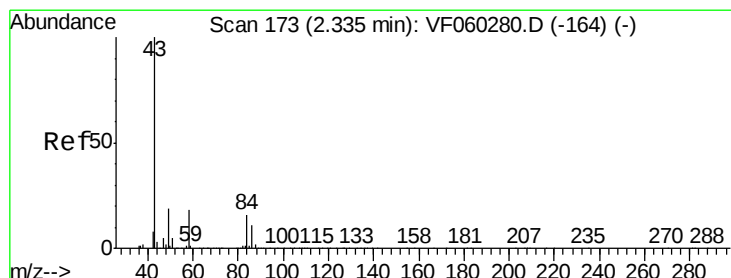
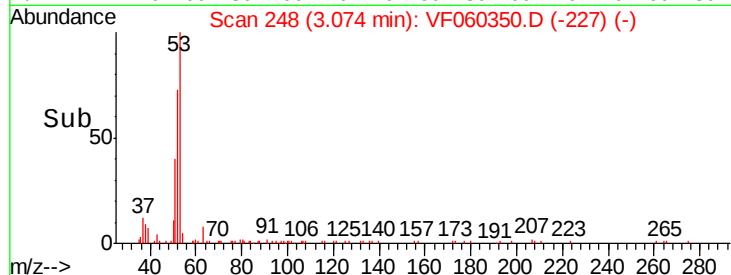


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 117.638 ug/l

RT: 2.33 min Scan# 173

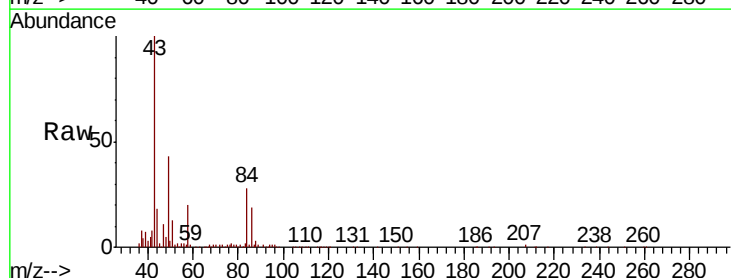
Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion: 43 Resp: 110291

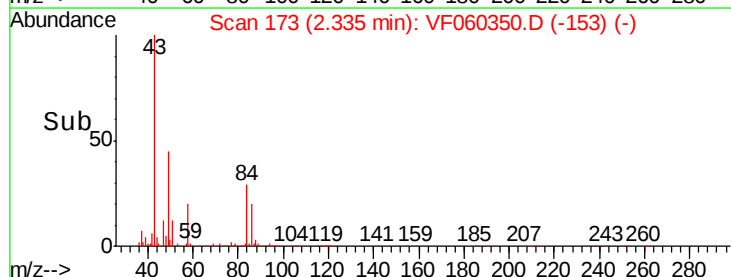
Ion	Ratio	Lower	Upper
43	100		
58	19.7	14.5	21.7

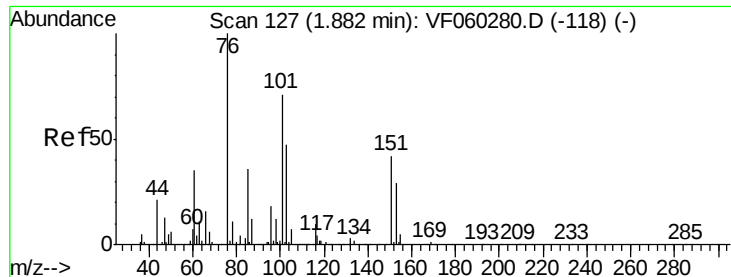


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 27.032 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

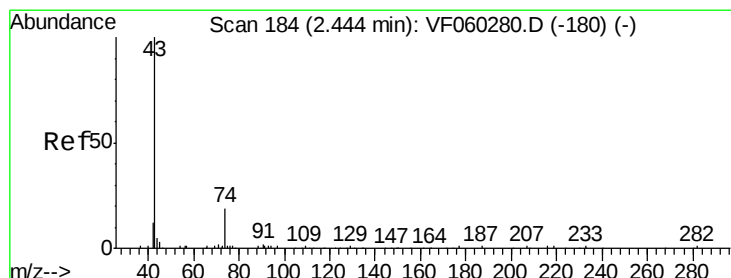
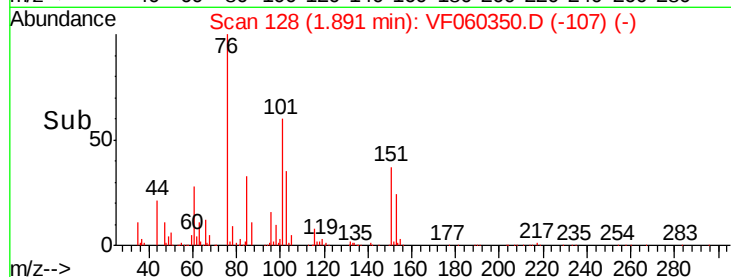
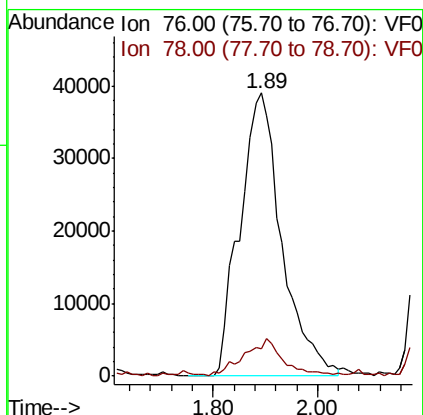
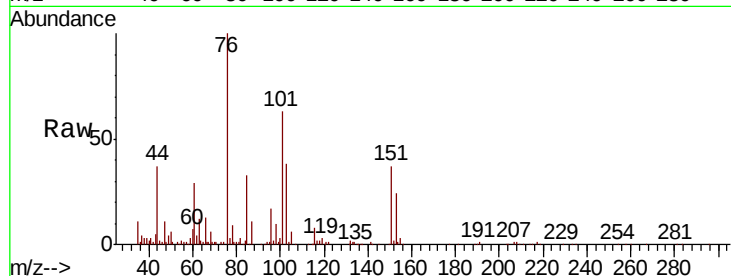
VF0926SBSD01

Tot Ion: 76 Resp: 213497

Ion Ratio Lower Upper

76 100

78 9.5 9.4 14.0



#18

Methyl Acetate

Concen: 22.792 ug/l

RT: 2.45 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060350.D

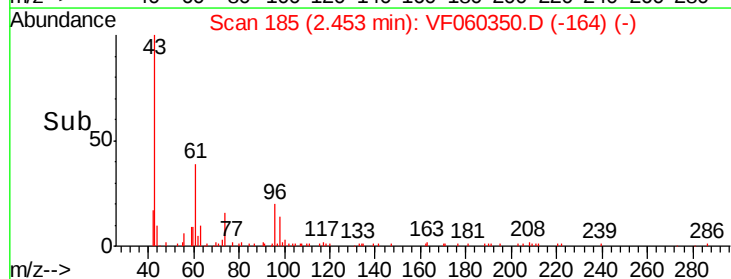
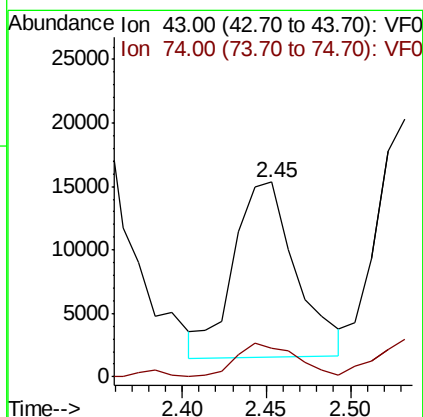
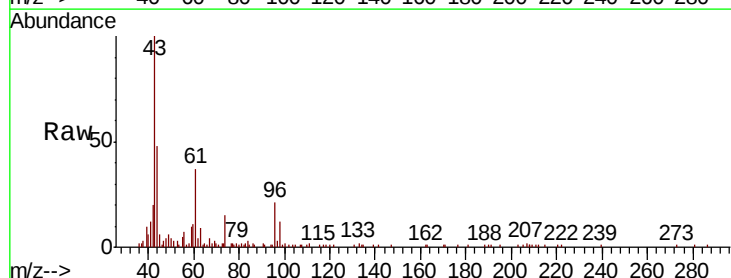
Acq: 26 Sep 2018 14:29

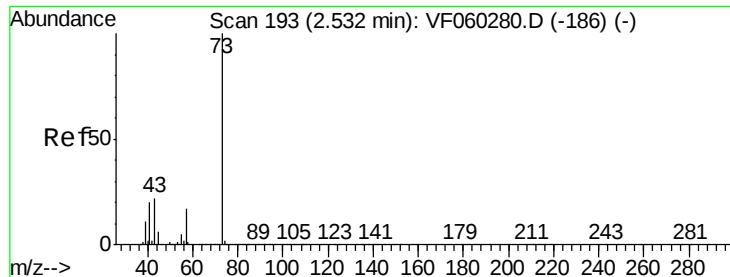
Tgt Ion: 43 Resp: 35598

Ion Ratio Lower Upper

43 100

74 15.0 12.7 19.1



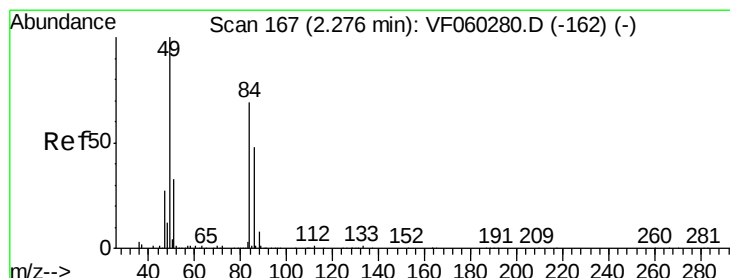
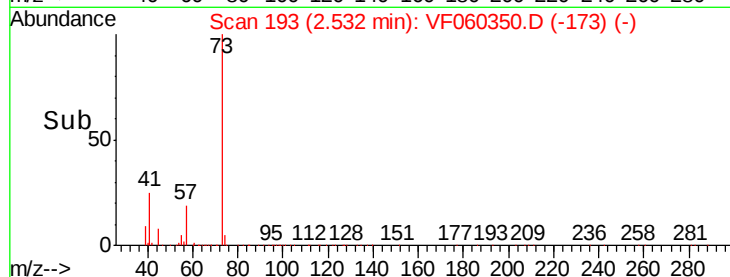
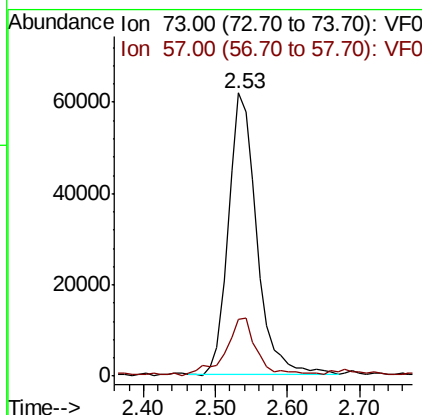
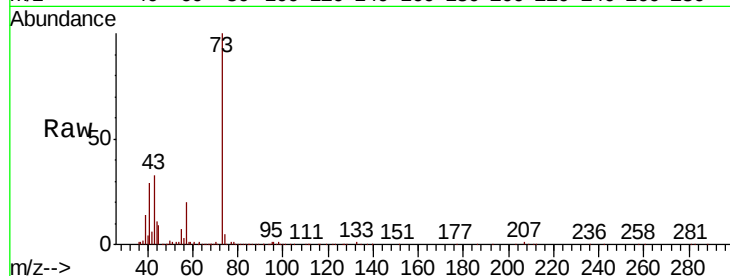


#19

Methyl tert-butyl Ether
 Concen: 23.962 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

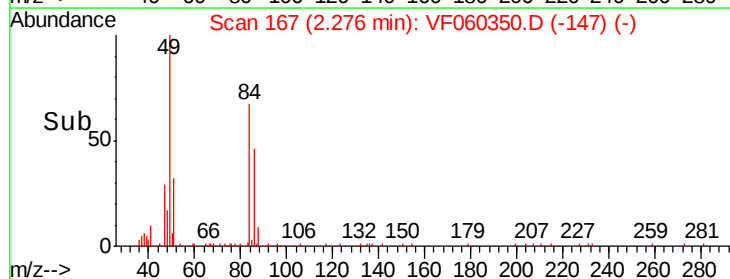
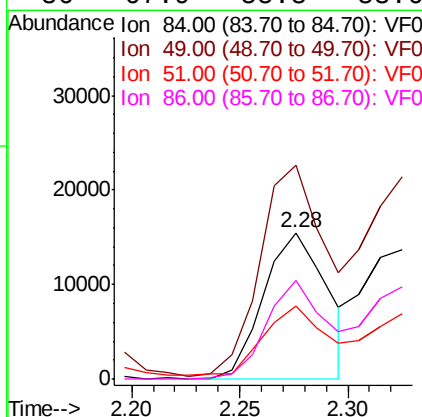
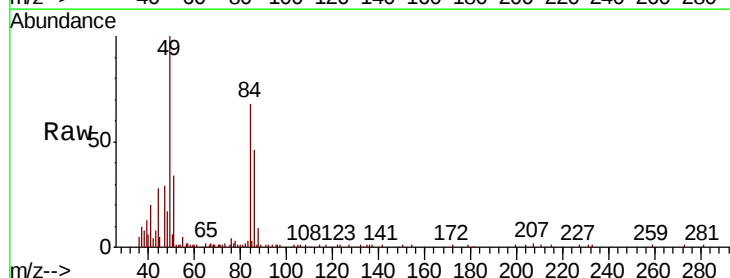
Tot Ion: 73 Resp: 168070
 Ion Ratio Lower Upper
 73 100
 57 20.0 14.5 21.7

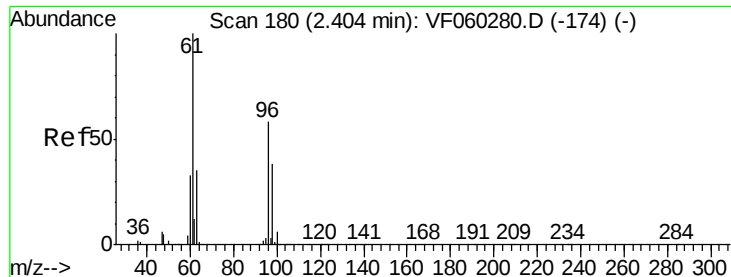


#20

Methylene Chloride
 Concen: 5.970 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion: 84 Resp: 31691
 Ion Ratio Lower Upper
 84 100
 49 146.1 118.3 177.5
 51 49.7 38.7 58.1
 86 67.9 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 26.279 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

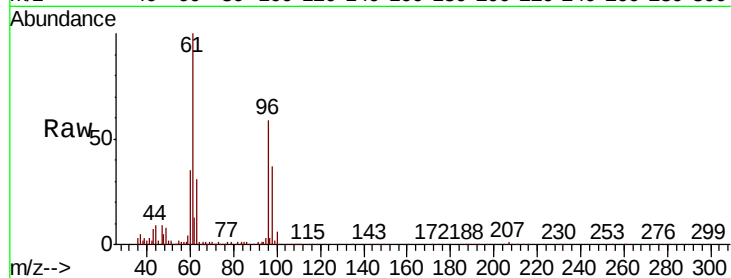
Tot Ion: 96 Resp: 76364

Ion Ratio Lower Upper

96 100

61 169.1 136.4 204.6

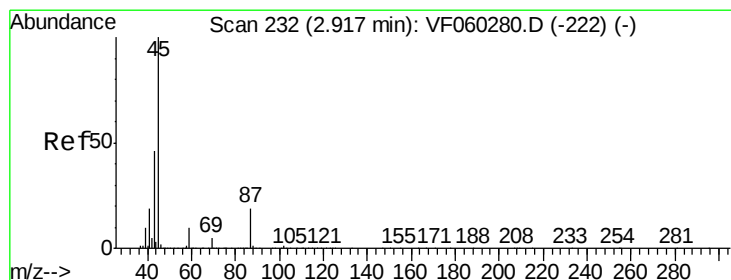
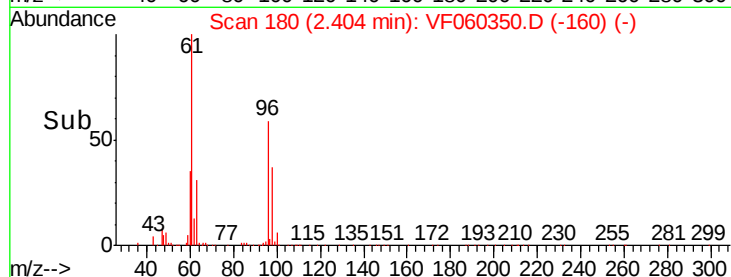
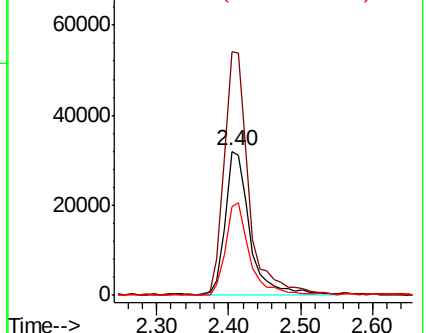
98 61.9 51.8 77.6



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: 22.058 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion: 45 Resp: 204326

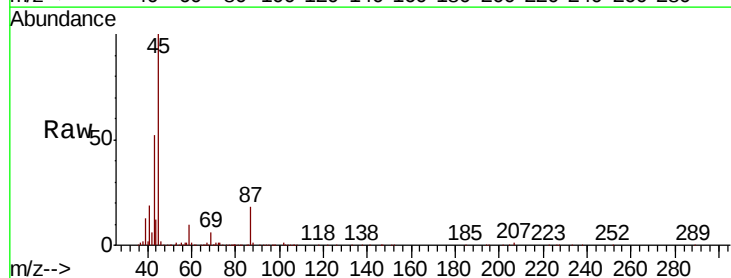
Ion Ratio Lower Upper

45 100

43 52.2 38.2 57.2

87 18.3 15.5 23.3

59 10.4 7.7 11.5

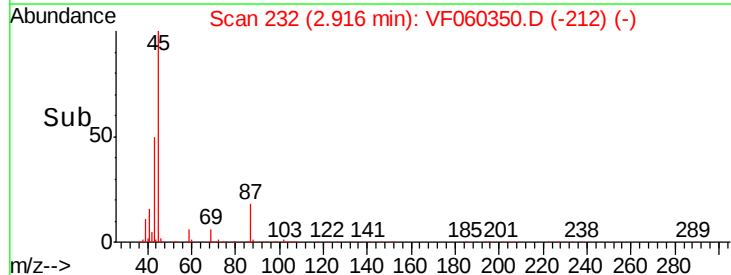
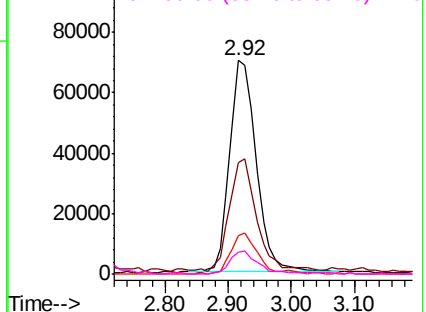


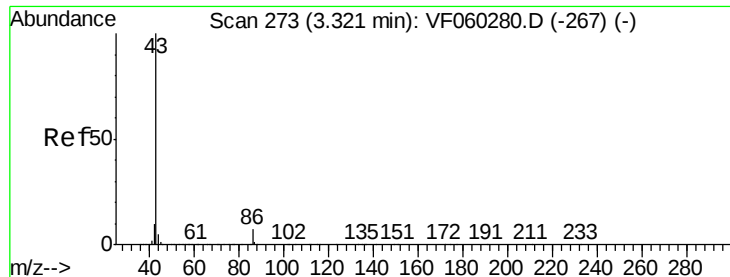
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 121.067 ug/l

RT: 3.33 min Scan# 274

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

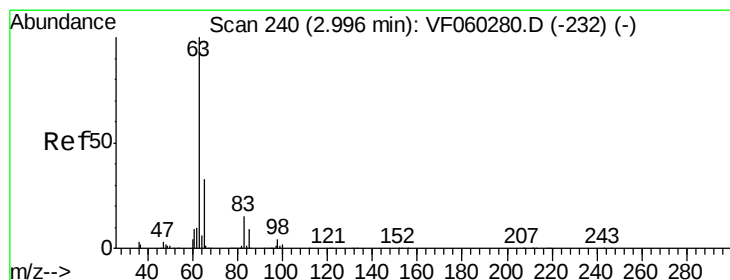
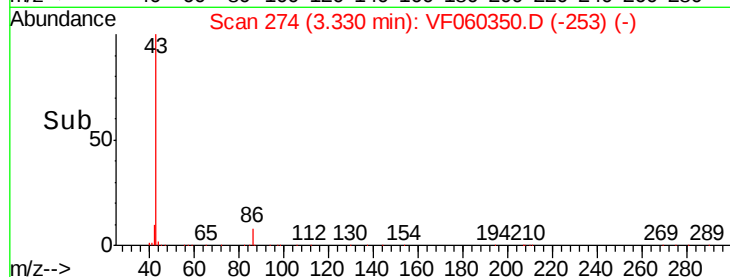
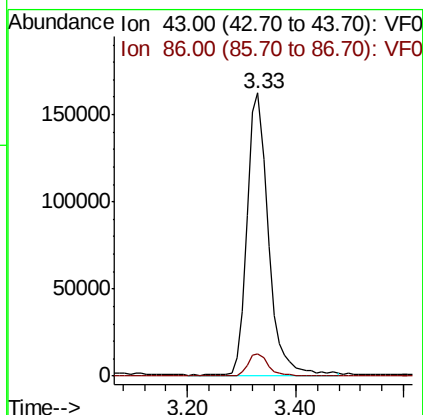
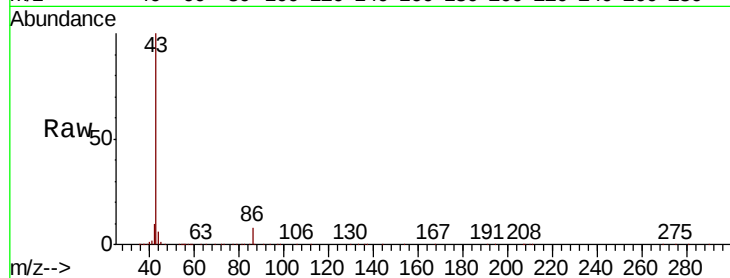
VF0926SBSD01

Tot Ion: 43 Resp: 440465

Ion Ratio Lower Upper

43 100

86 8.1 5.9 8.9



#24

1,1-Dichloroethane

Concen: 22.343 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

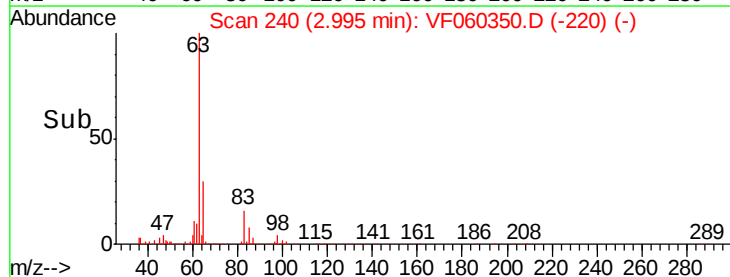
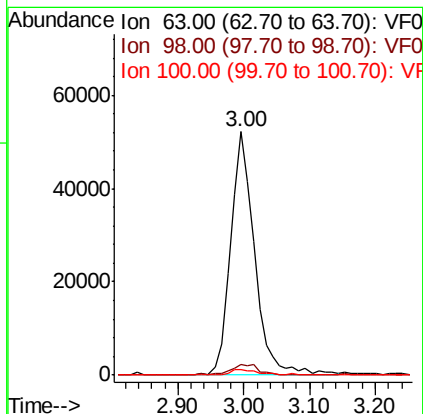
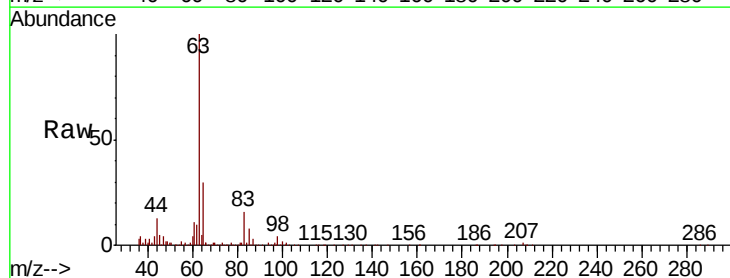
Tgt Ion: 63 Resp: 134226

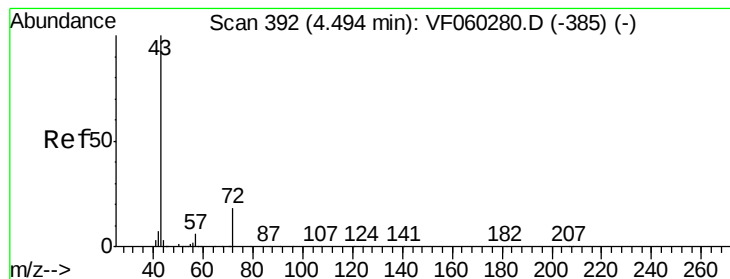
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.3 1.1 3.3





#25

2-Butanone

Concen: 111.065 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

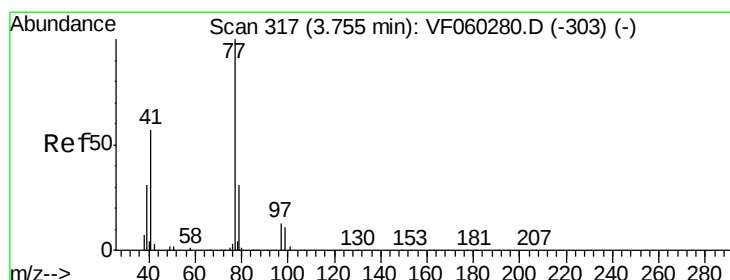
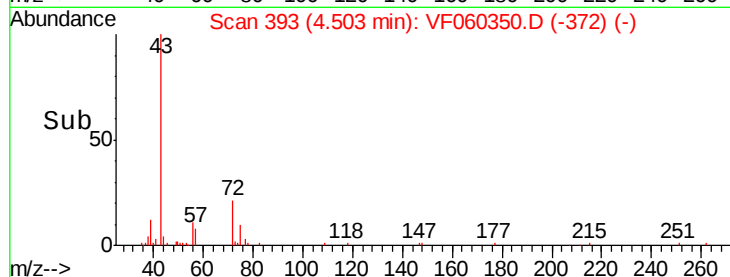
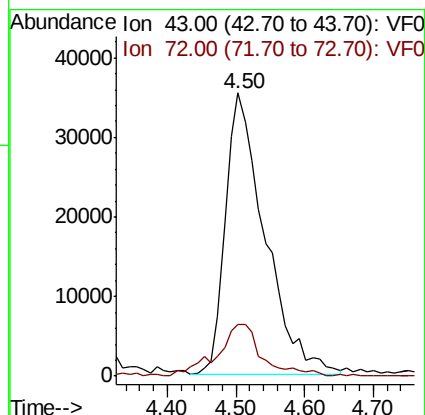
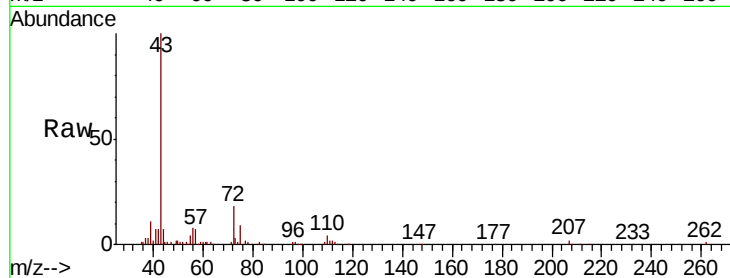
VF0926SBS01

Tot Ion: 43 Resp: 140156

Ion Ratio Lower Upper

43 100

72 18.4 16.2 24.2



#26

2,2-Dichloropropane

Concen: 23.495 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF060350.D

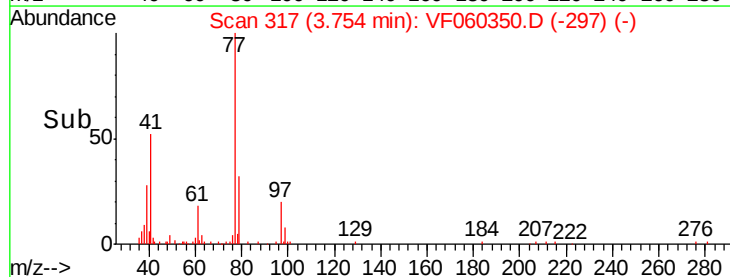
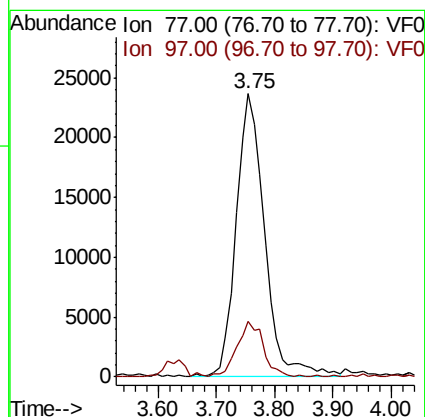
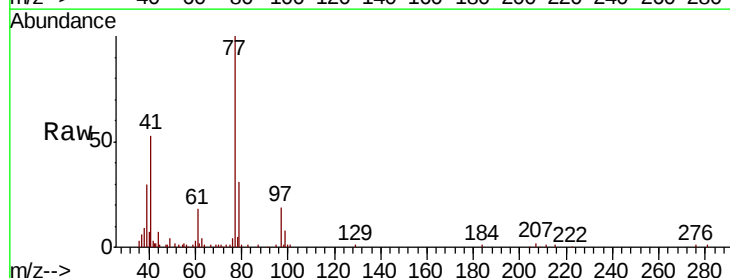
Acq: 26 Sep 2018 14:29

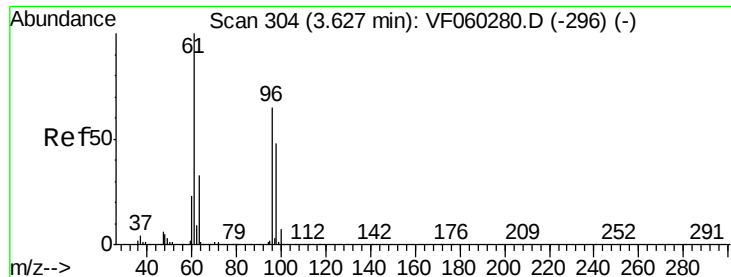
Tgt Ion: 77 Resp: 80536

Ion Ratio Lower Upper

77 100

97 19.4 9.3 27.9



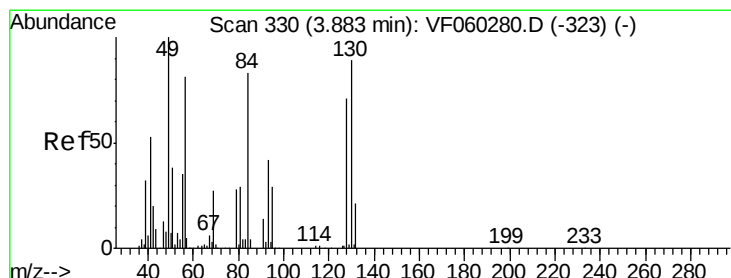
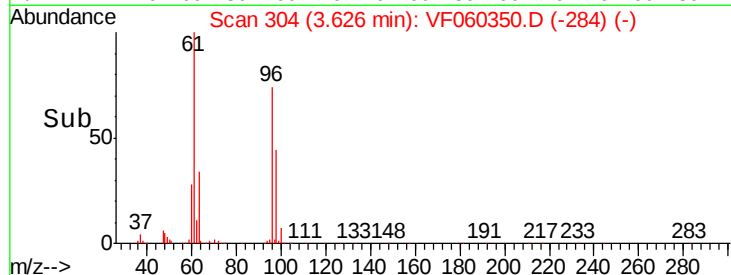
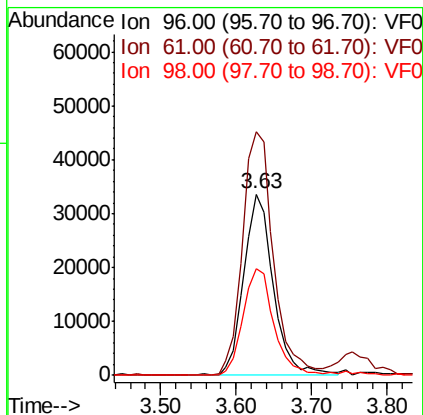
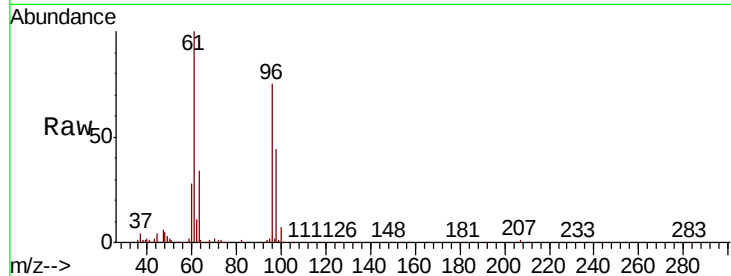


#27

cis-1,2-Dichloroethene
 Concen: 23.972 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

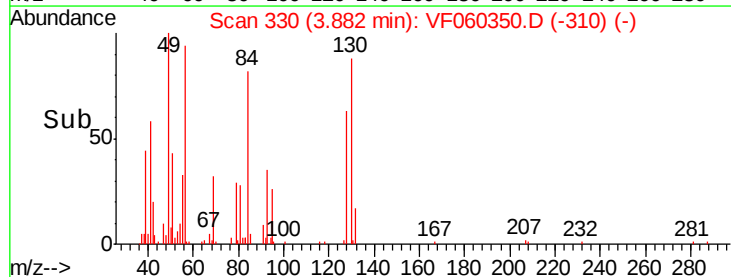
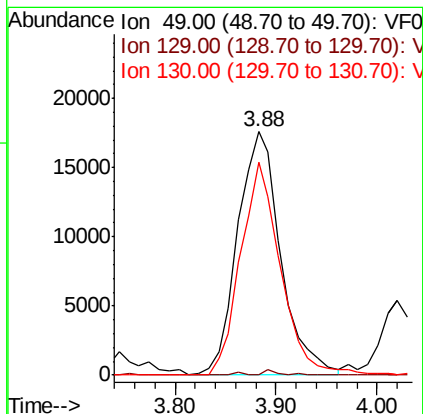
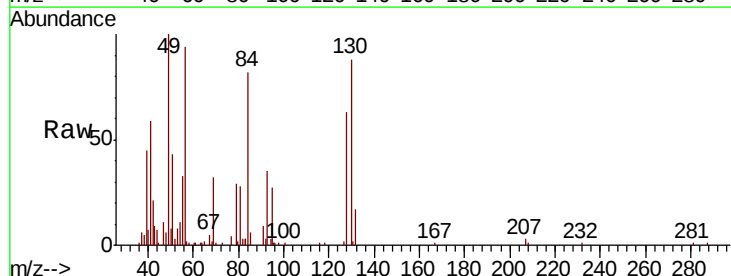
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	304.8
98	59.9	0.0	146.4

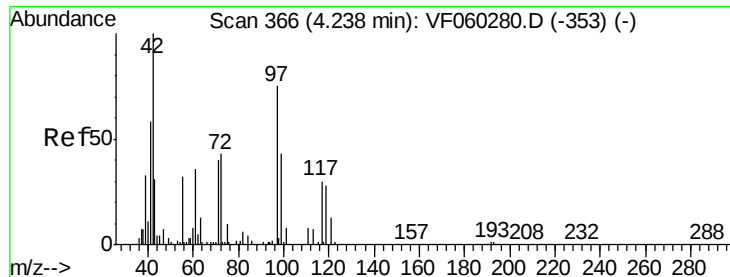


#28

Bromochloromethane
 Concen: 22.448 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	89.3	70.3	105.5

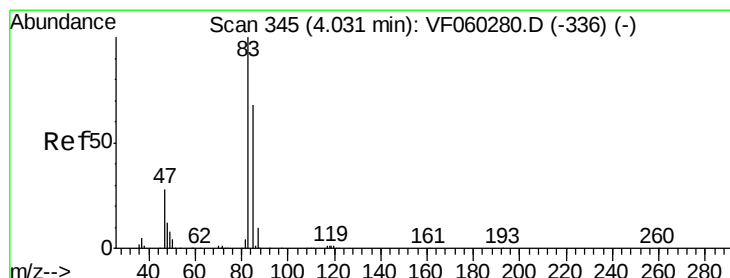
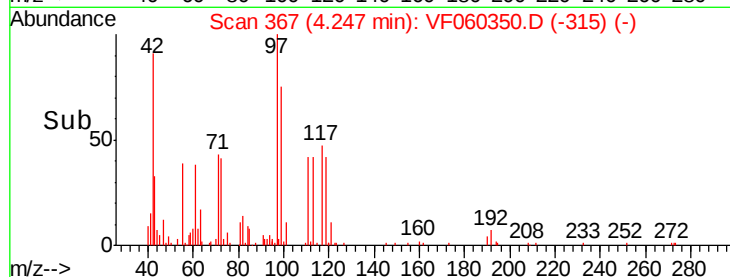
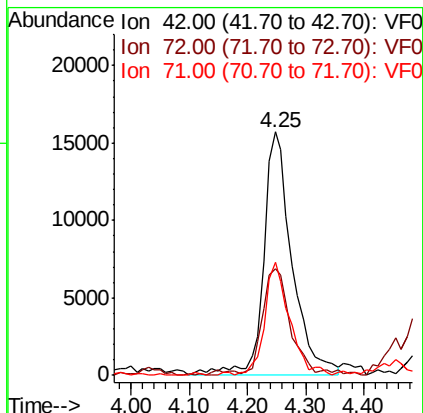
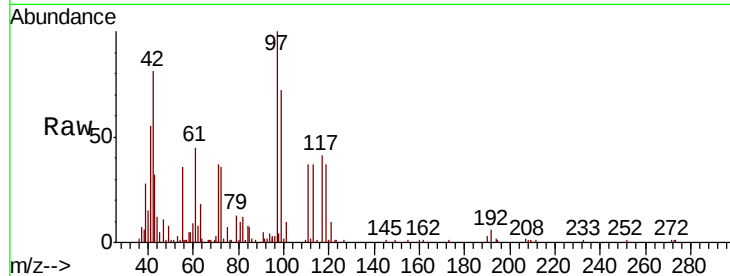




#29
Tetrahydrofuran
Concen: 117.062 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

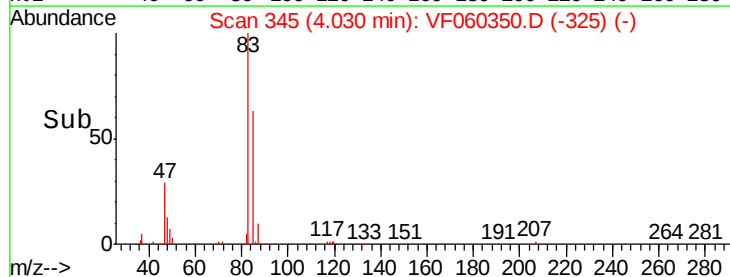
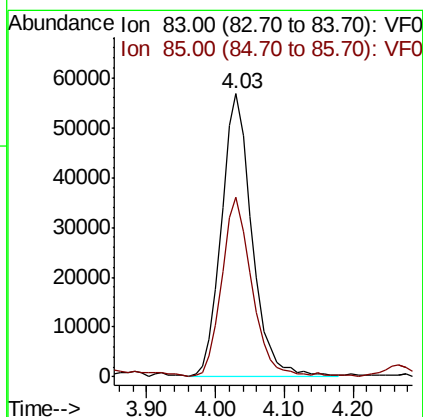
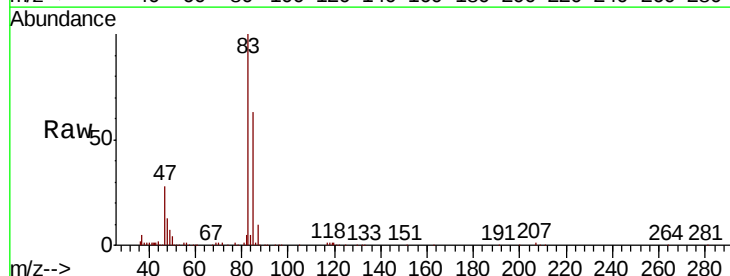
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

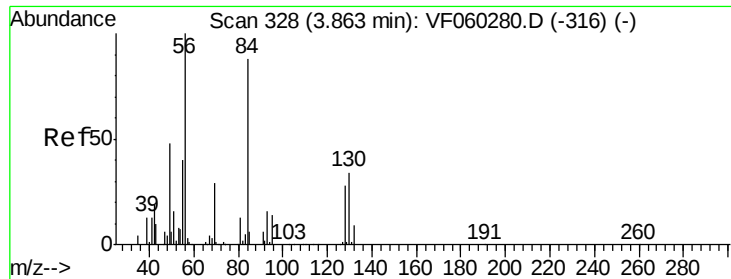
Tot Ion: 42 Resp: 54097
Ion Ratio Lower Upper
42 100
72 40.5 32.6 49.0
71 40.6 32.7 49.1



#30
Chloroform
Concen: 23.832 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 83 Resp: 172757
Ion Ratio Lower Upper
83 100
85 63.3 54.9 82.3





#31

Cyclohexane

Concen: 22.986 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

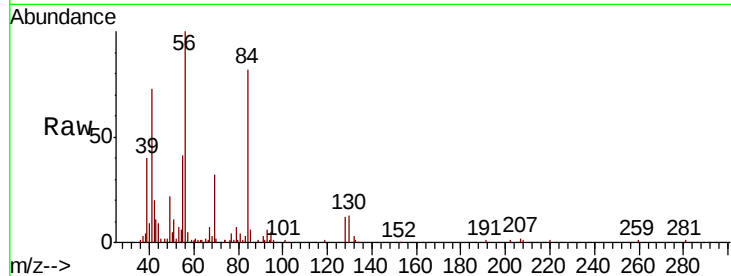
Tot Ion: 56 Resp: 116640

Ion Ratio Lower Upper

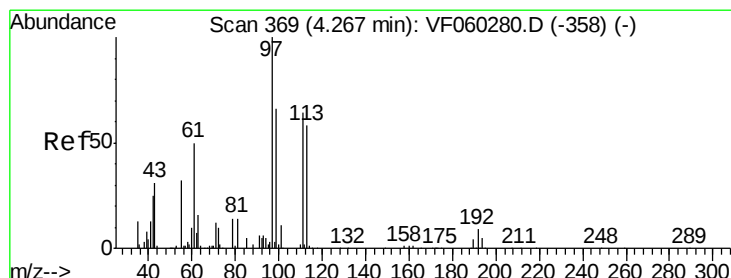
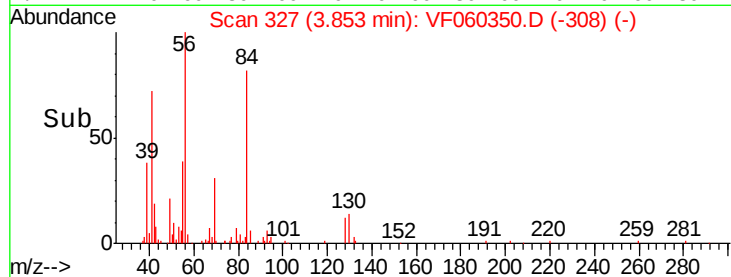
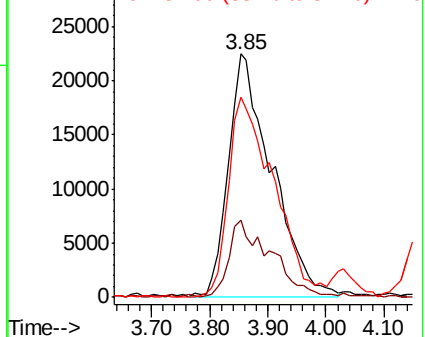
56 100

69 31.6 23.8 35.6

84 82.3 70.2 105.4



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: 24.517 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

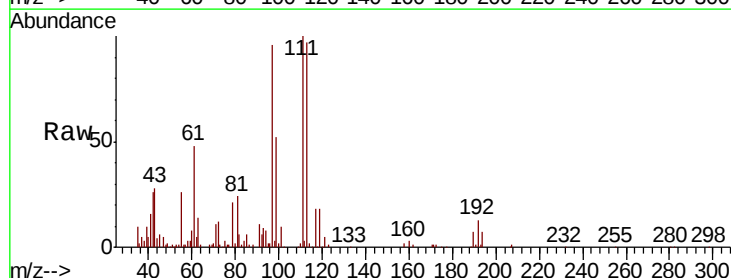
Tgt Ion: 97 Resp: 140232

Ion Ratio Lower Upper

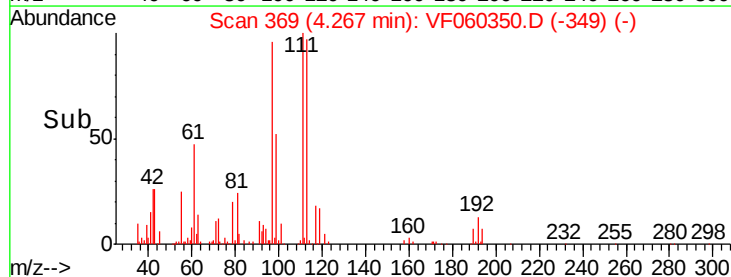
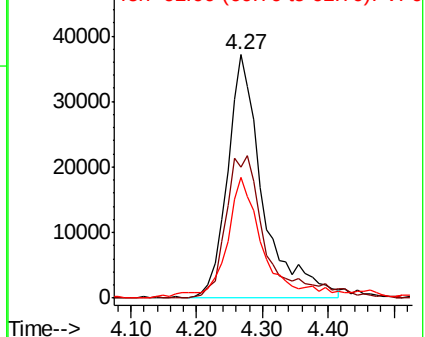
97 100

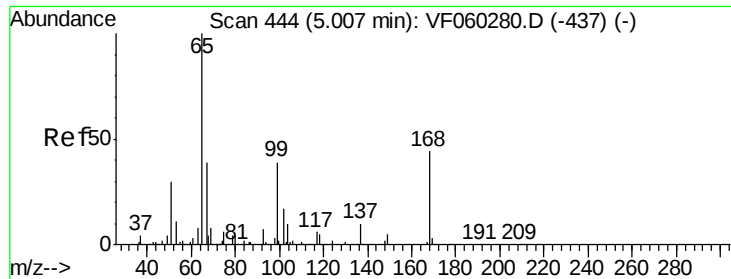
99 53.9 53.0 79.4

61 49.7 40.6 61.0



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

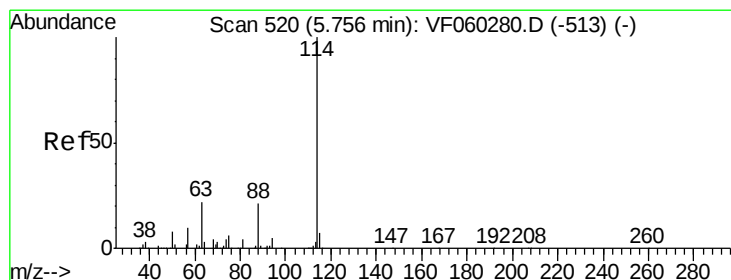
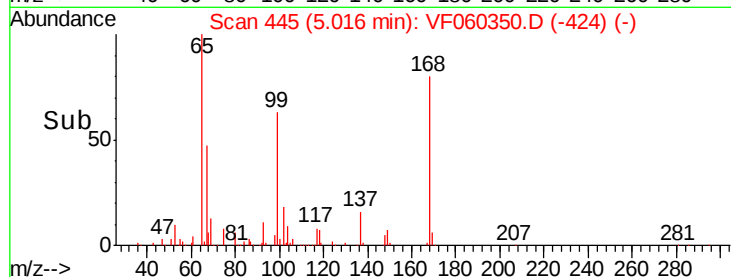
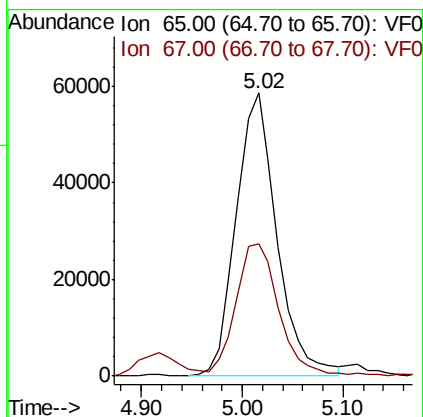
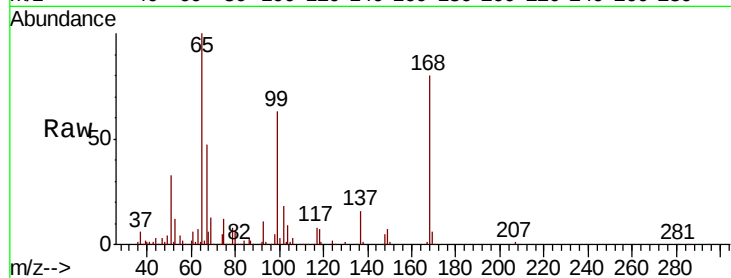




#33
 1,2-Dichloroethane-d4
 Concen: 49.686 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

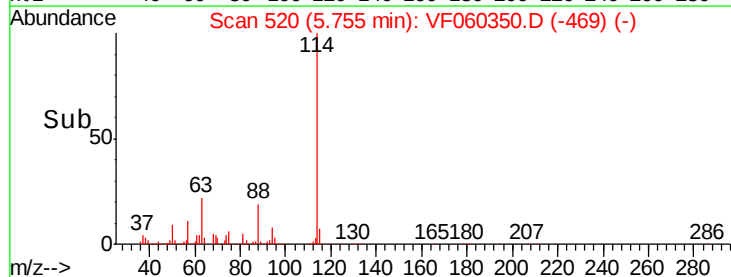
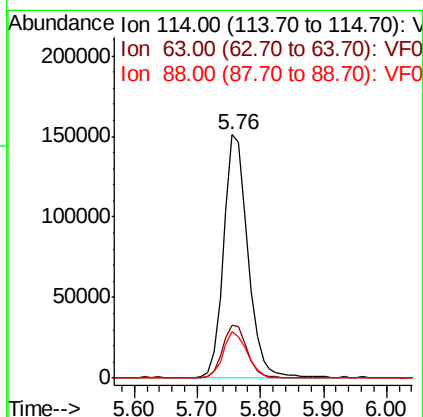
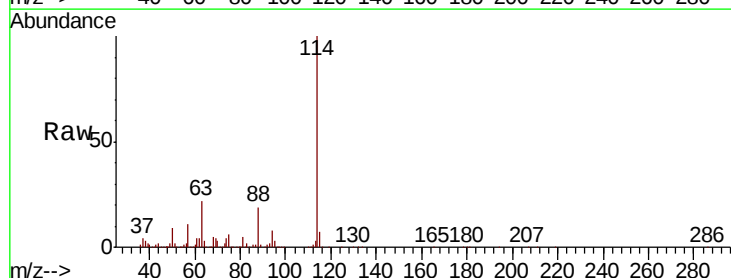
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

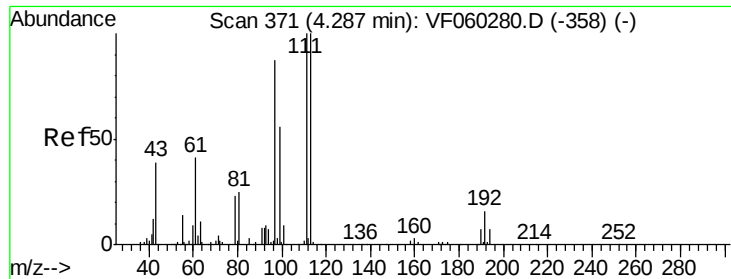
Tot Ion: 65 Resp: 165410
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion: 114 Resp: 403369
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.8
 88 19.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 53.626 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

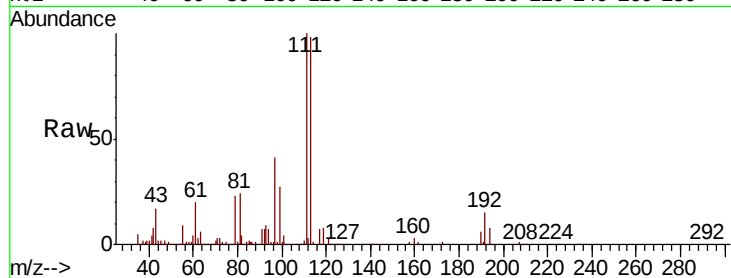
Tot Ion:113 Resp: 192824

Ion Ratio Lower Upper

113 100

111 101.7 79.6 119.4

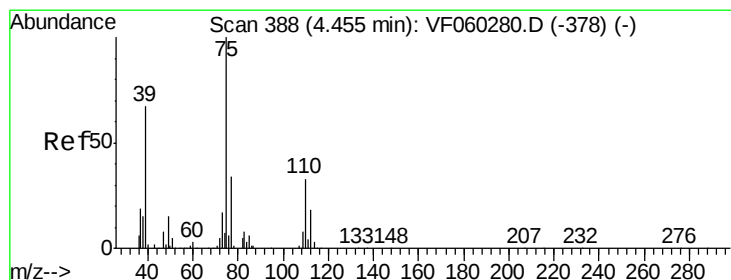
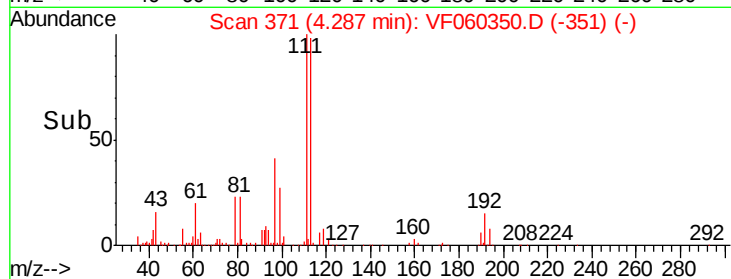
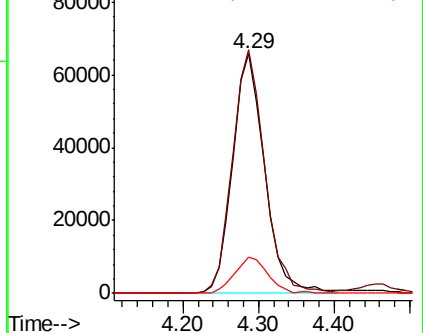
192 15.2 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 24.446 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

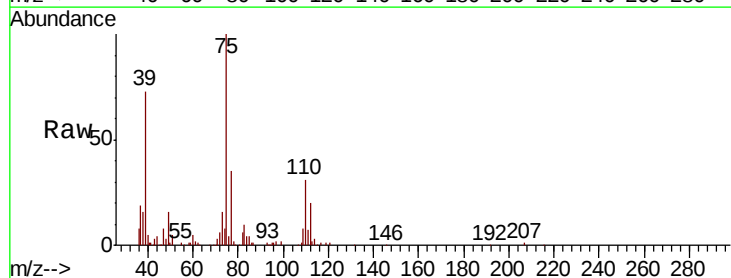
Tgt Ion: 75 Resp: 122999

Ion Ratio Lower Upper

75 100

110 31.2 16.4 49.2

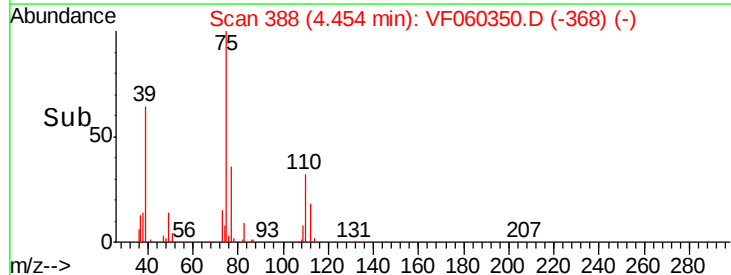
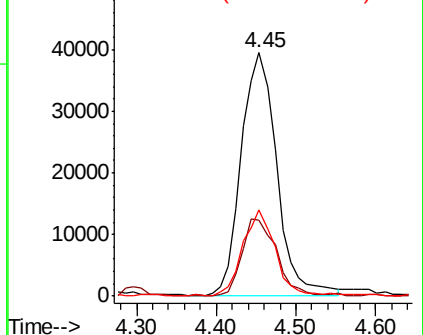
77 35.5 27.3 40.9

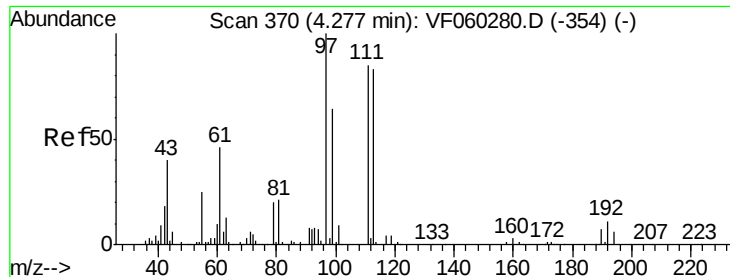


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

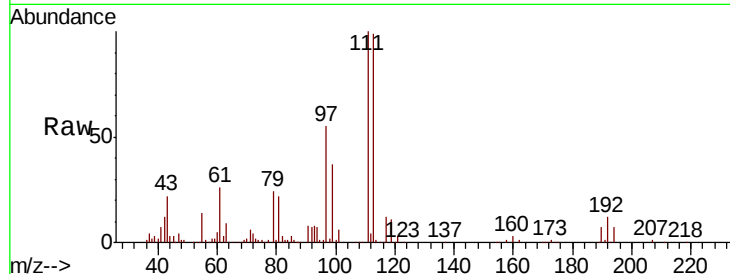




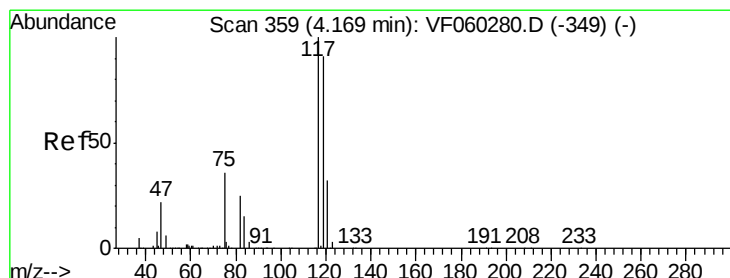
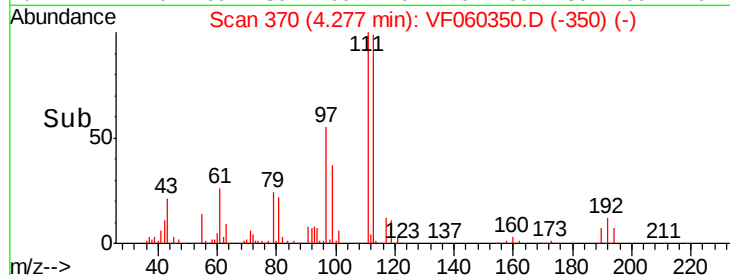
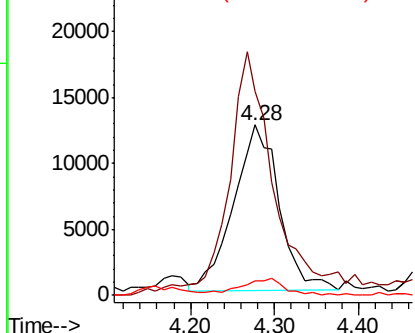
#37
Ethyl Acetate
Concen: 22.317 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion: 43 Resp: 47512
Ion Ratio Lower Upper
43 100
61 120.0 91.1 136.7
70 8.7 6.9 10.3

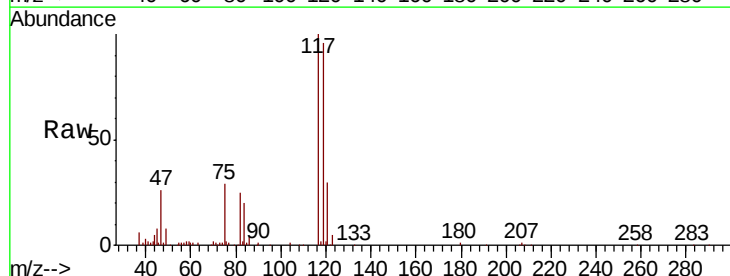


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

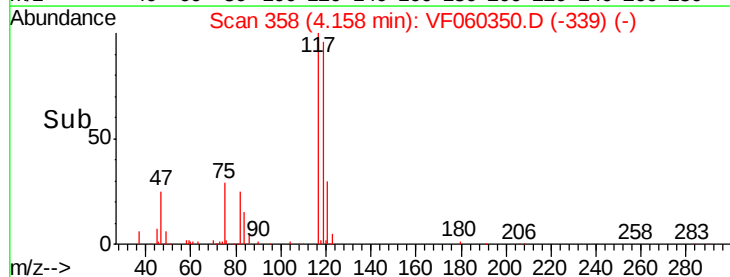
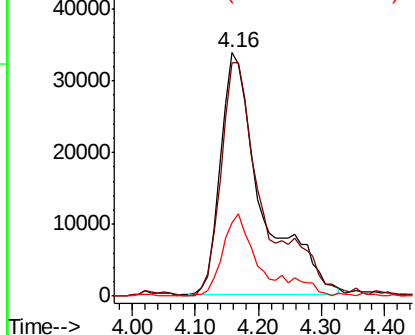


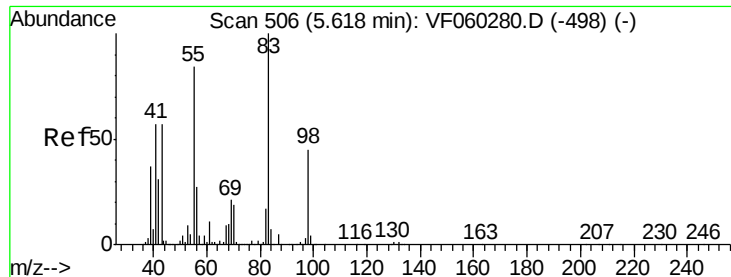
#38
Carbon Tetrachloride
Concen: 28.637 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 117 Resp: 154762
Ion Ratio Lower Upper
117 100
119 96.0 73.0 109.6
121 30.0 25.4 38.2



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

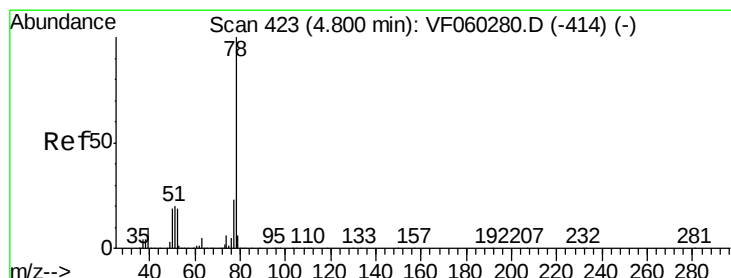
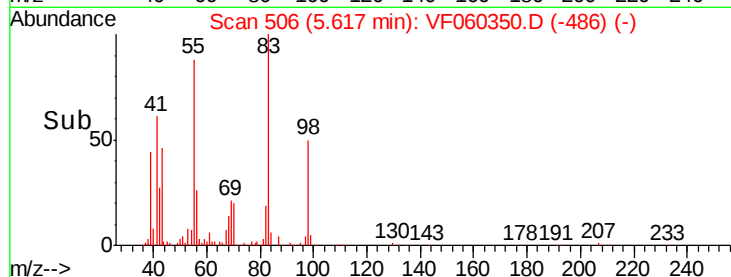
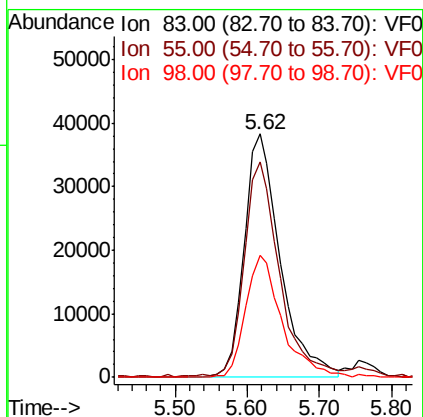
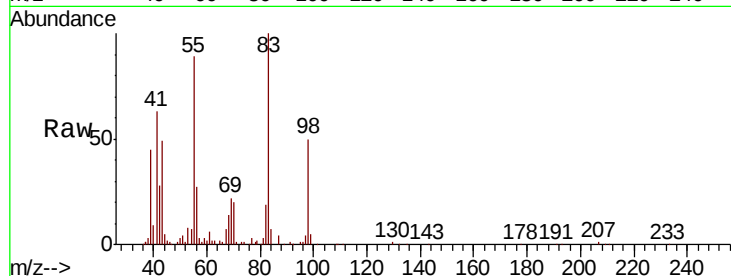




#39
Methvlcvclohexane
Concen: 24.488 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

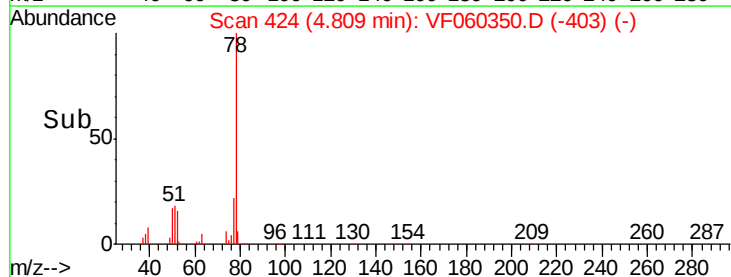
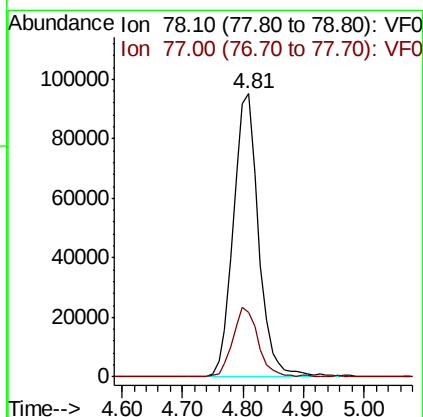
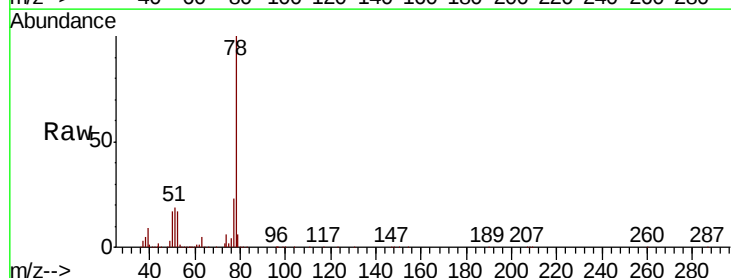
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

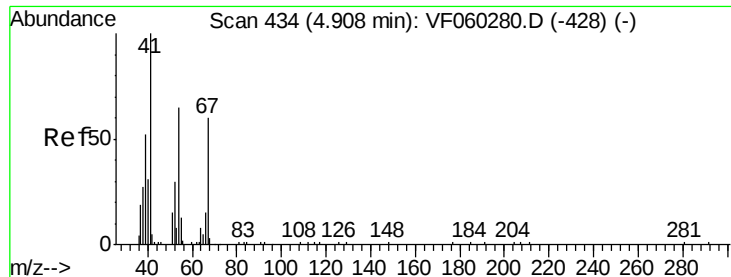
Tot Ion: 83 Resp: 133537
Ion Ratio Lower Upper
83 100
55 88.6 67.3 100.9
98 50.3 36.1 54.1



#40
Benzene
Concen: 24.292 ug/l
RT: 4.81 min Scan# 424
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 78 Resp: 277146
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6

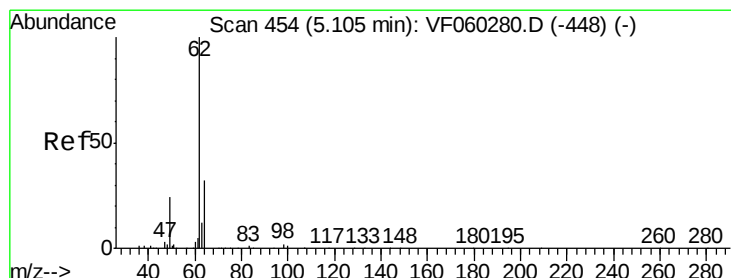
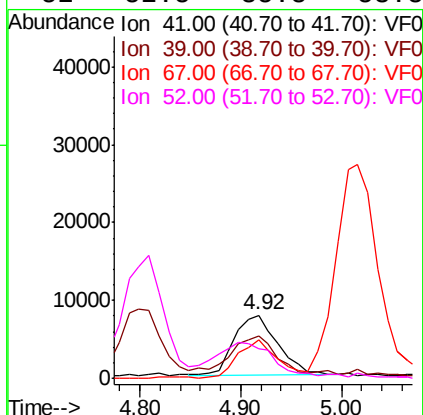
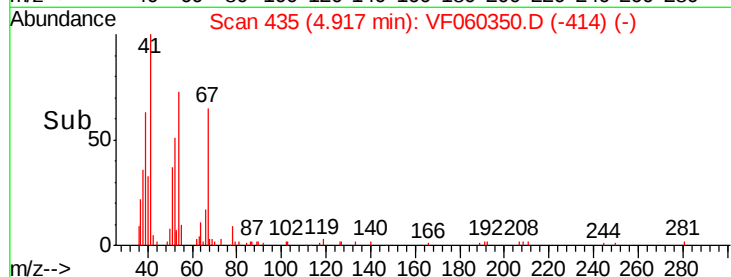
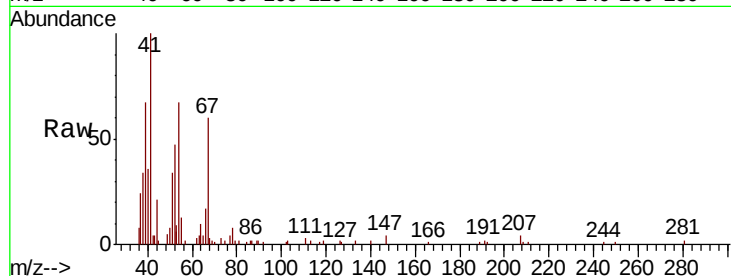




#41
Methacrylonitrile
Concen: 19.797 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

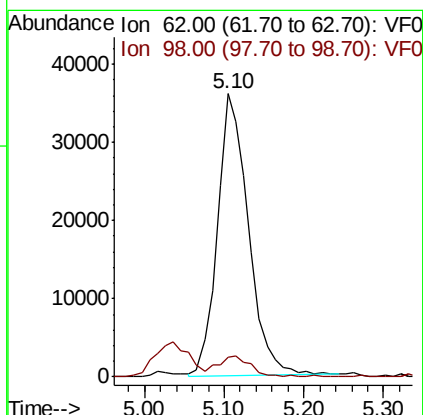
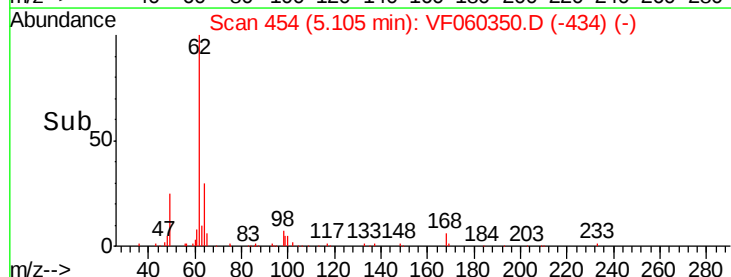
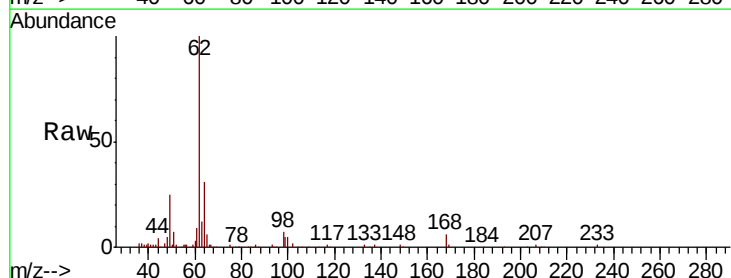
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

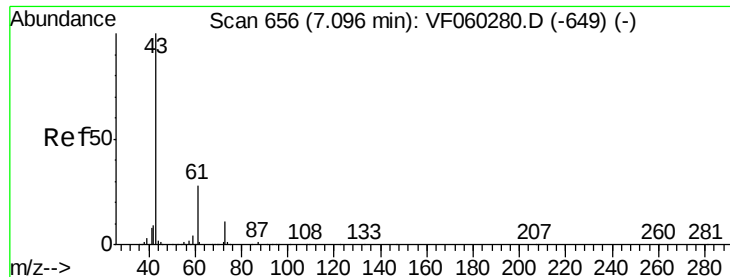
Tot Ion:	41	Resp:	22870
Ion	Ratio	Lower	Upper
41	100		
39	67.5	49.1	73.7
67	59.9	48.2	72.4
52	52.5	35.8	53.8



#42
1,2-Dichloroethane
Concen: 23.425 ug/l
RT: 5.10 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion:	62	Resp:	98370
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	14.4



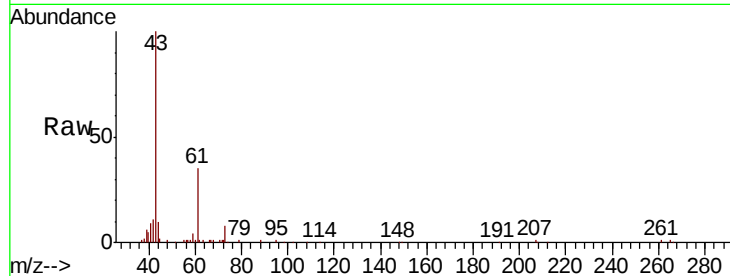


#43

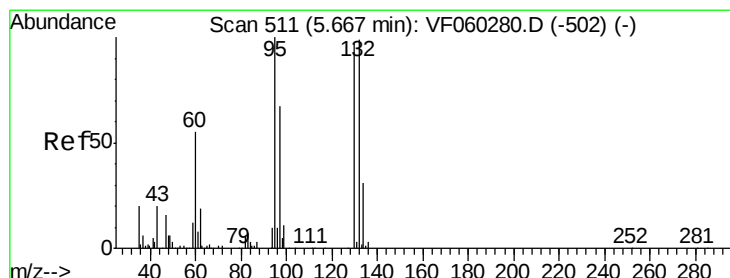
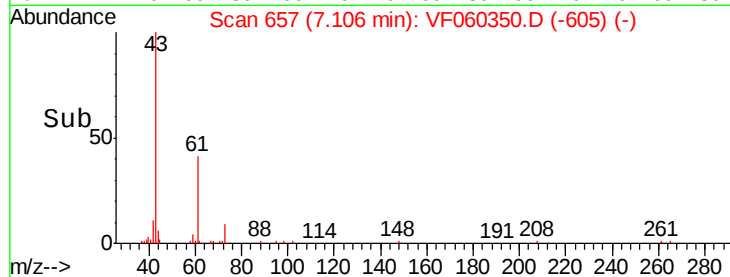
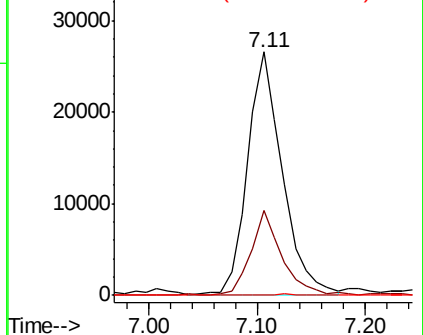
Isopropyl Acetate
 Concen: 23.257 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Tot Ion	43	Resp	59608
Ion Ratio	Lower	Upper	
43	100		
61	34.7	22.4	33.6#
87	0.0	0.6	0.8#



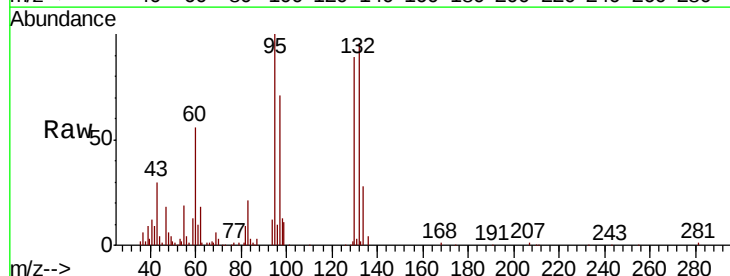
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



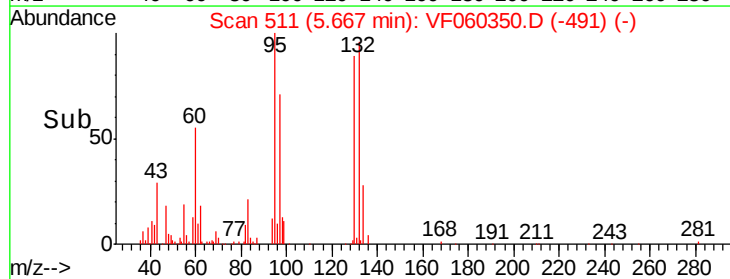
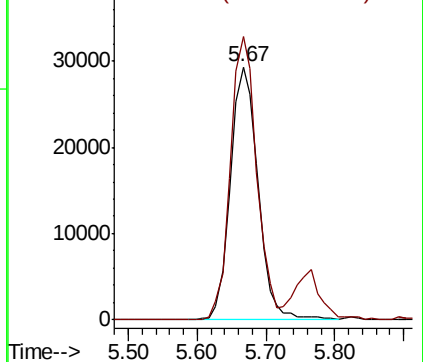
#44

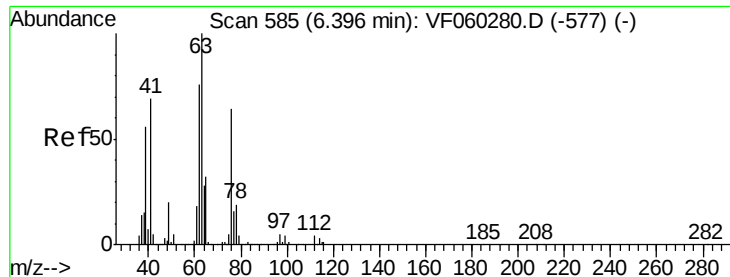
Trichloroethene
 Concen: 23.963 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	130	Resp	81364
Ion Ratio	Lower	Upper	
130	100		
95	112.0	0.0	205.6



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





#45

1,2-Dichloropropane

Concen: 21.586 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

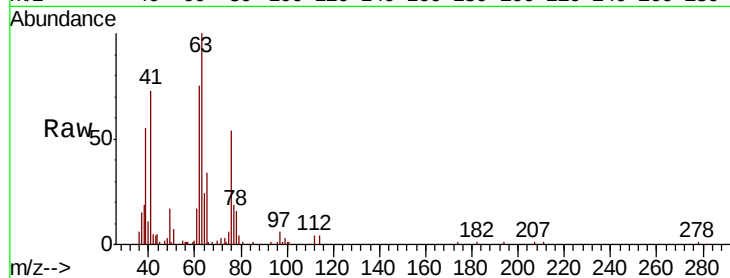
VF0926SBS01

Tot Ion: 63 Resp: 63737

Ion Ratio Lower Upper

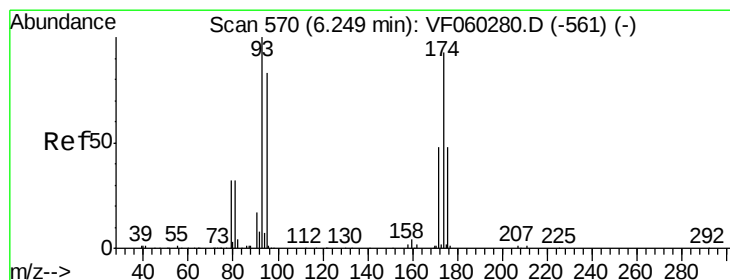
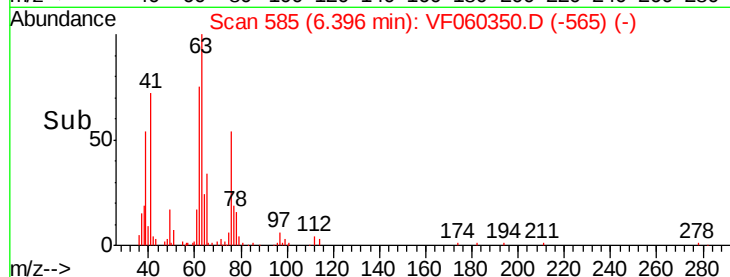
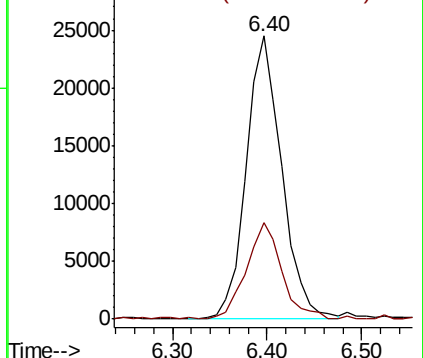
63 100

65 34.1 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.829 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

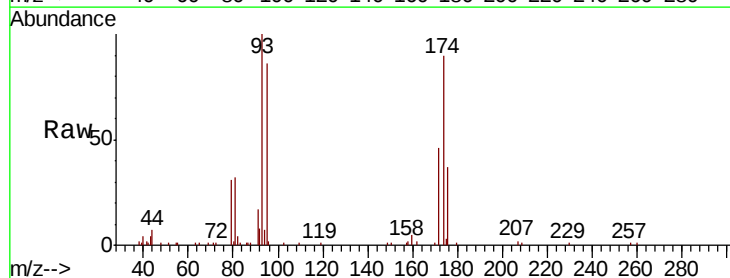
Tgt Ion: 93 Resp: 48182

Ion Ratio Lower Upper

93 100

95 85.7 67.0 100.6

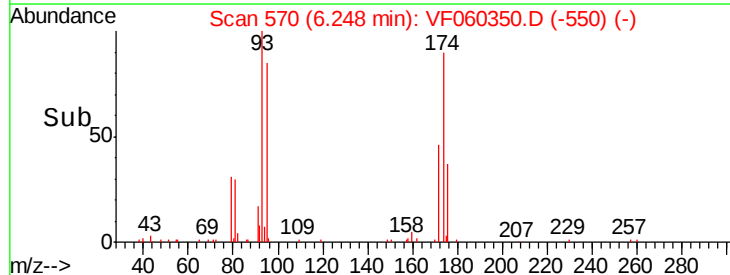
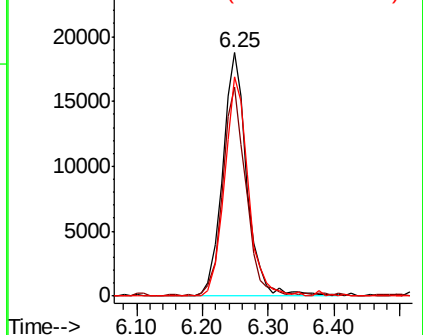
174 90.2 74.8 112.2

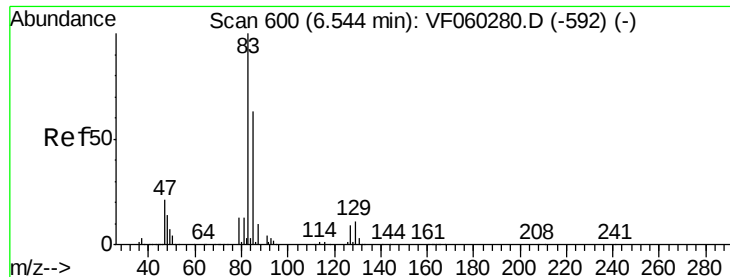


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.234 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

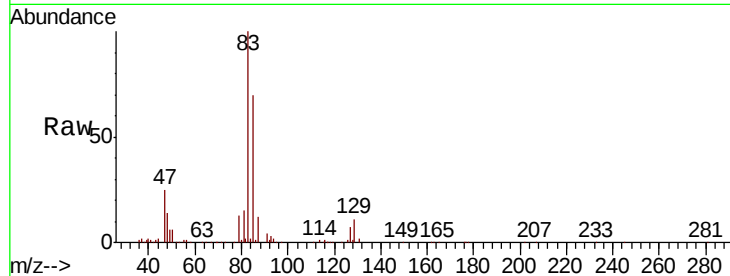
Tot Ion: 83 Resp: 117843

Ion Ratio Lower Upper

83 100

85 70.1 50.6 76.0

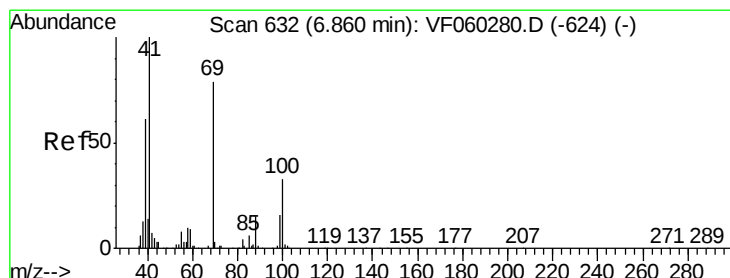
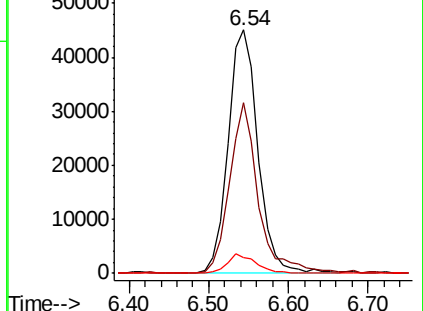
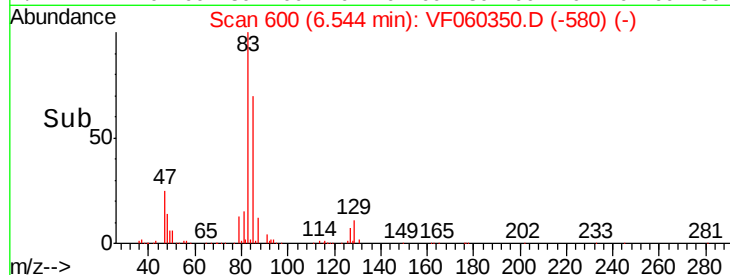
127 6.7 7.1 10.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.944 ug/l

RT: 6.87 min Scan# 633

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

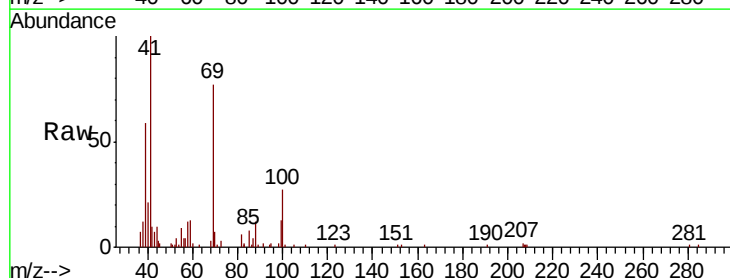
Tgt Ion: 41 Resp: 37681

Ion Ratio Lower Upper

41 100

69 77.4 62.6 94.0

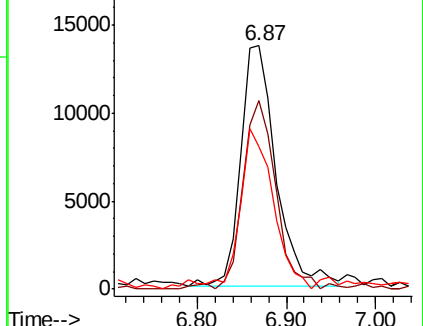
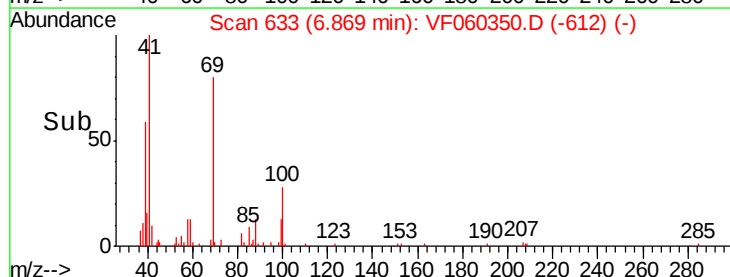
39 58.8 49.1 73.7

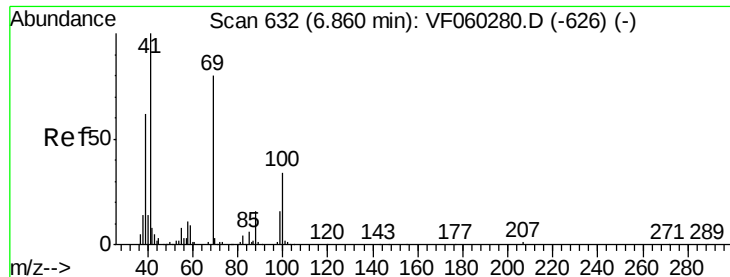


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

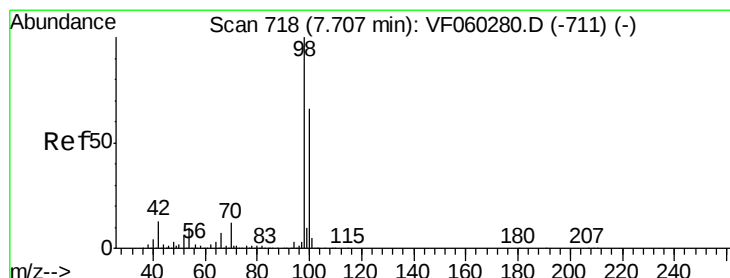
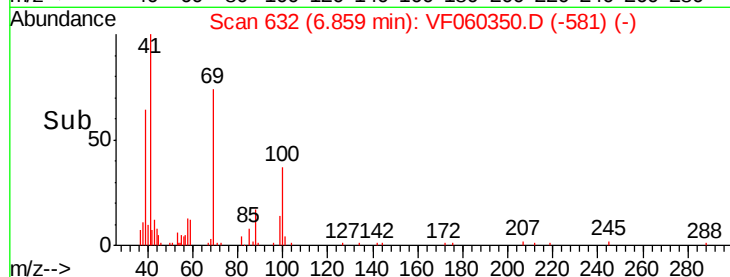
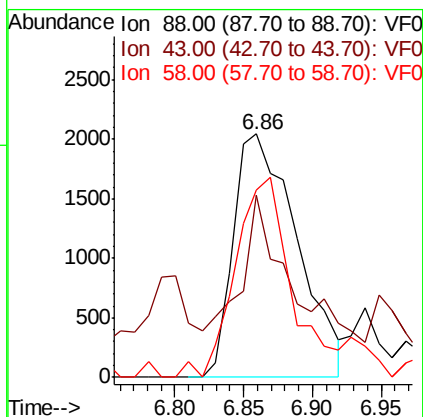
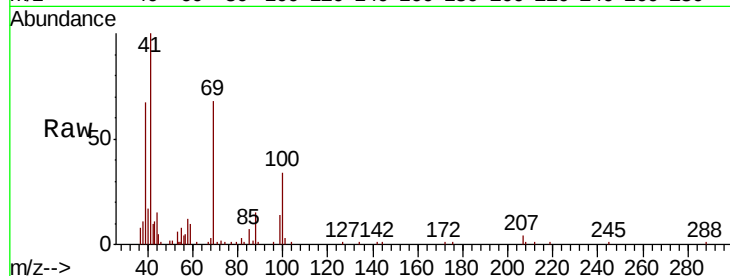




#49
1,4-Dioxane
Concen: 408.752 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

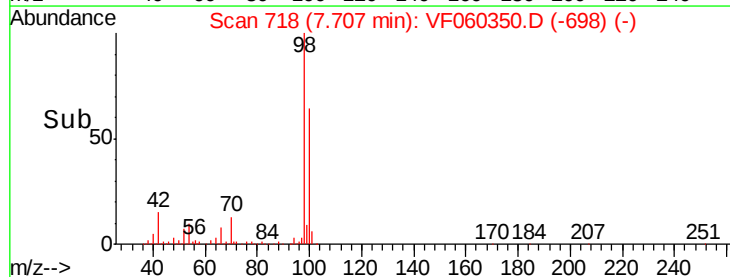
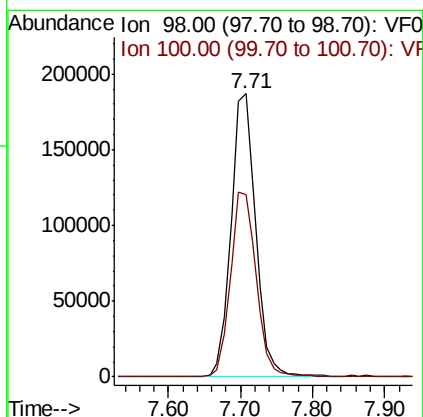
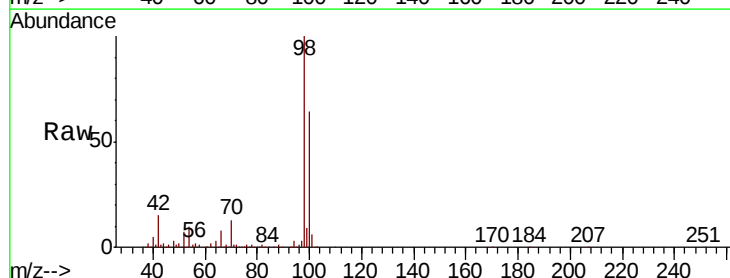
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

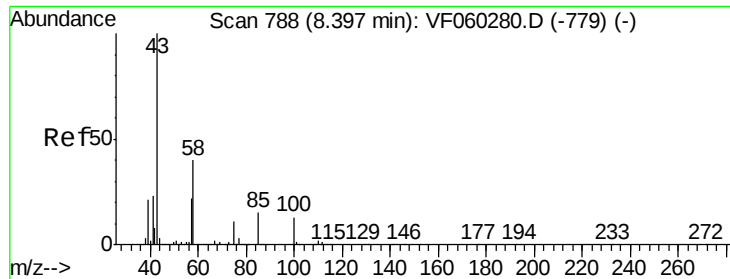
Tot Ion: 88 Resp: 6570
Ion Ratio Lower Upper
88 100
43 74.6 40.2 60.4#
58 77.2 56.7 85.1



#50
Toluene-d8
Concen: 47.887 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 98 Resp: 448421
Ion Ratio Lower Upper
98 100
100 64.2 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 107.130 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

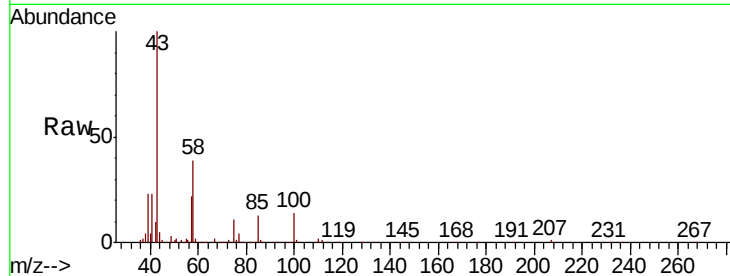
VF0926SBSD01

Tot Ion: 43 Resp: 211623

Ion Ratio Lower Upper

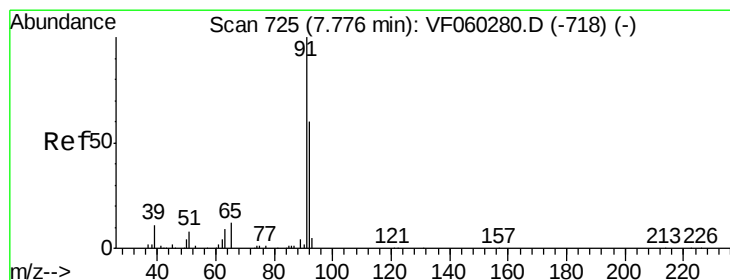
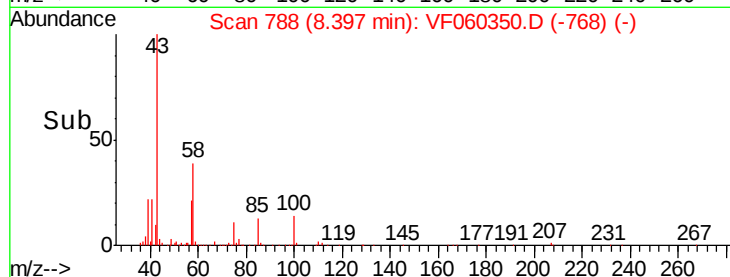
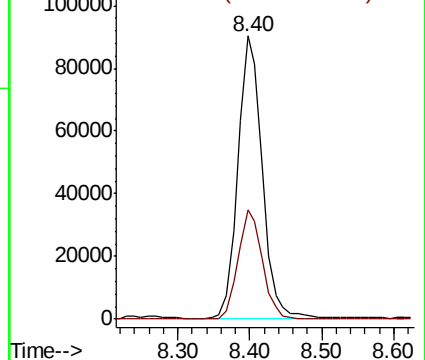
43 100

58 38.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.983 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060350.D

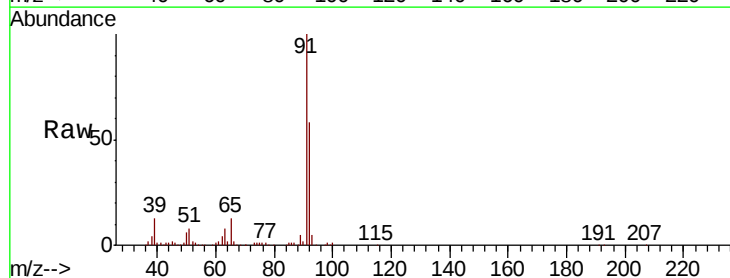
Acq: 26 Sep 2018 14:29

Tgt Ion: 92 Resp: 165883

Ion Ratio Lower Upper

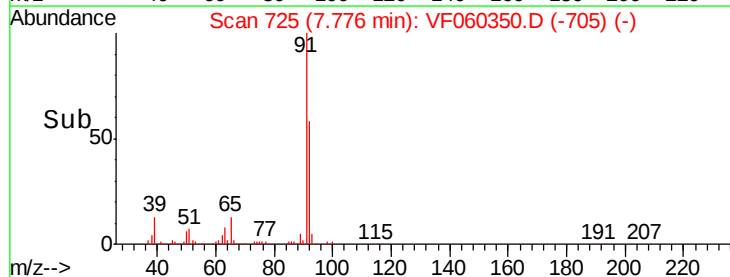
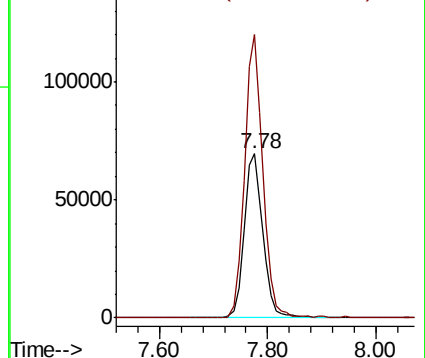
92 100

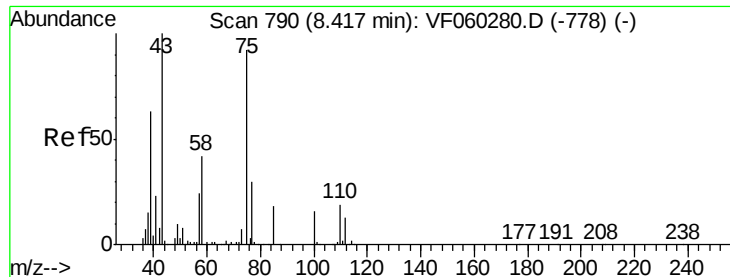
91 172.7 133.3 199.9



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: 22.930 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

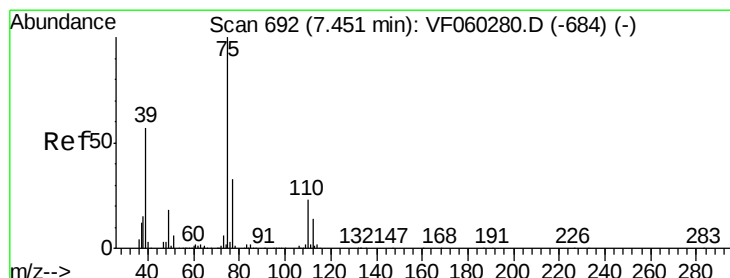
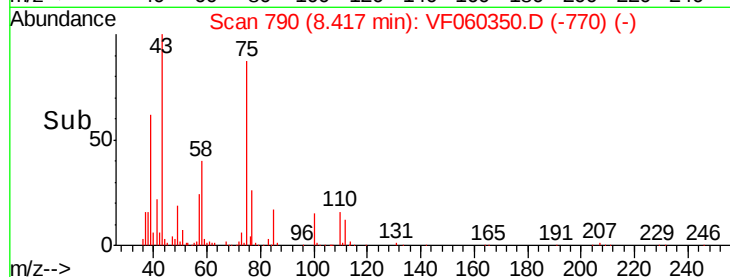
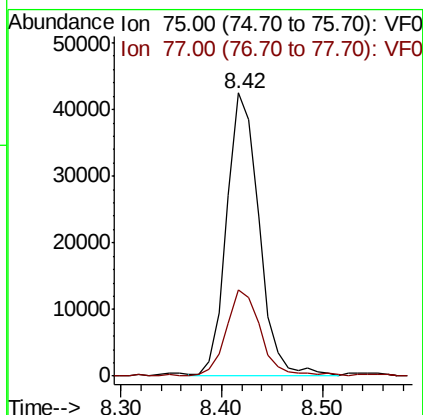
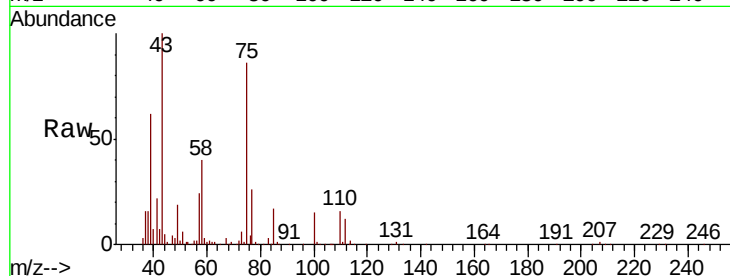
VF0926SBSD01

Tot Ion: 75 Resp: 93810

Ion Ratio Lower Upper

75 100

77 30.5 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 22.645 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

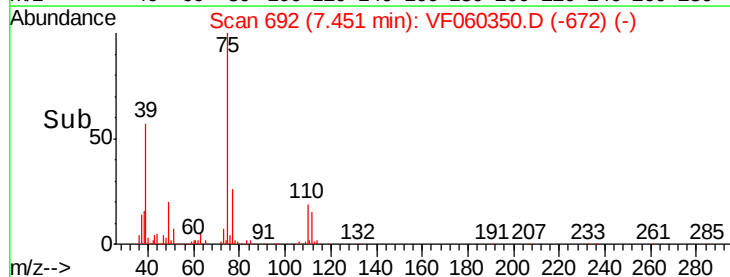
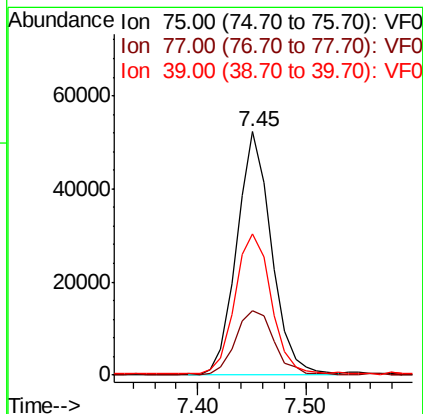
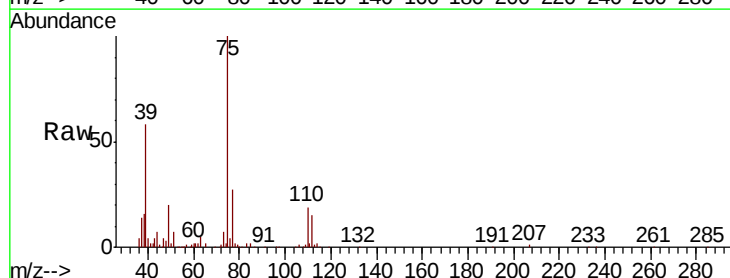
Tgt Ion: 75 Resp: 116711

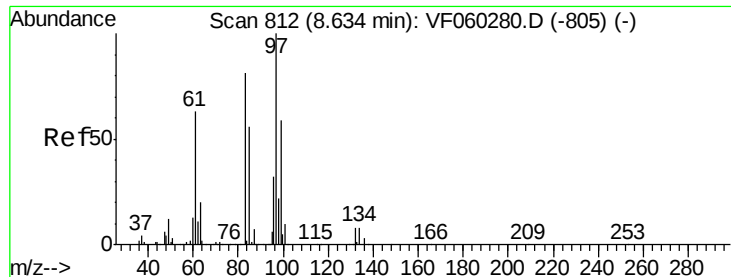
Ion Ratio Lower Upper

75 100

77 26.6 26.3 39.5

39 58.1 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.336 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

Tot Ion: 97 Resp: 48929

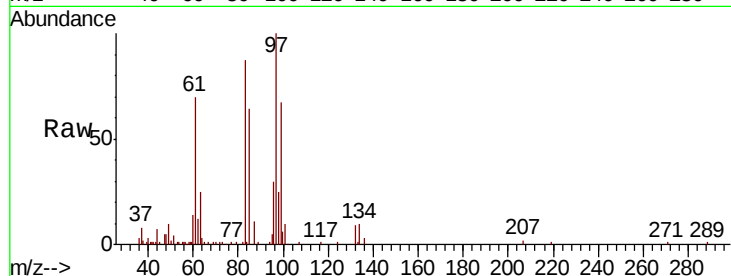
Ion Ratio Lower Upper

97 100

83 87.3 65.3 97.9

85 63.6 44.7 67.1

99 66.6 47.0 70.4

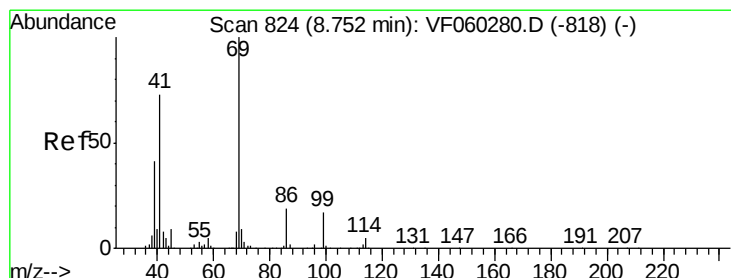
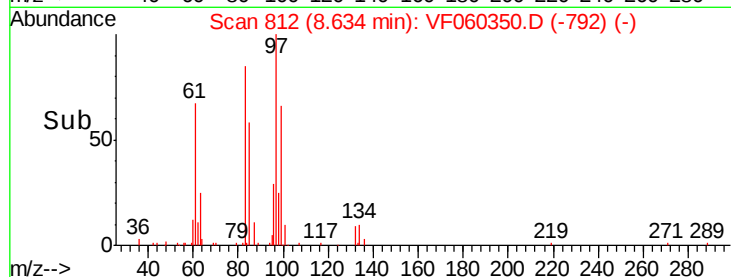
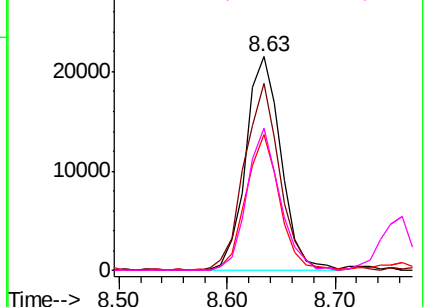


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 23.171 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

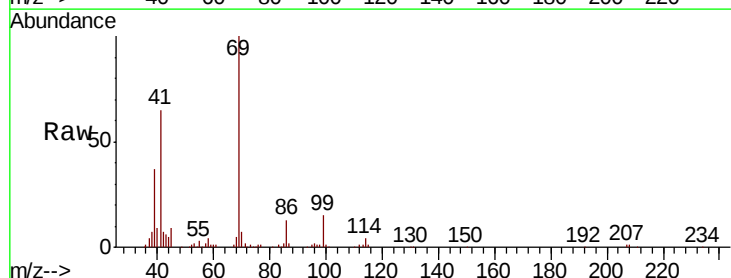
Tgt Ion: 69 Resp: 61301

Ion Ratio Lower Upper

69 100

41 65.1 59.4 89.2

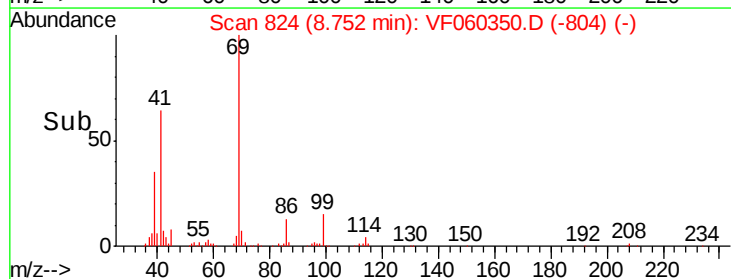
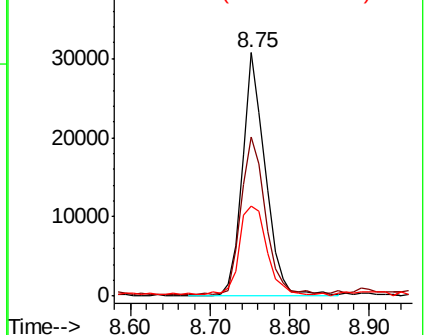
39 37.0 33.5 50.3

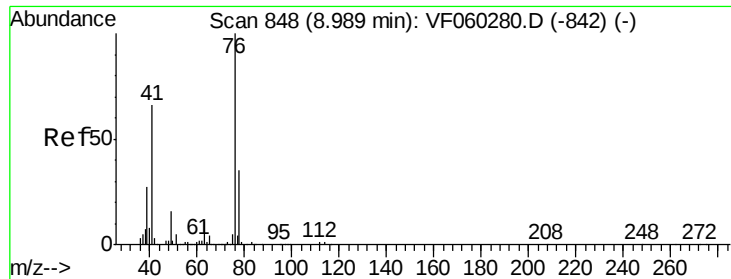


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.957 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

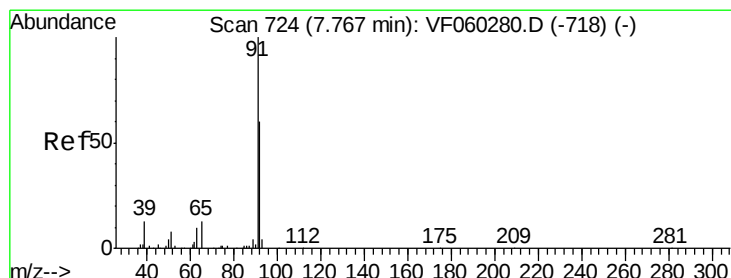
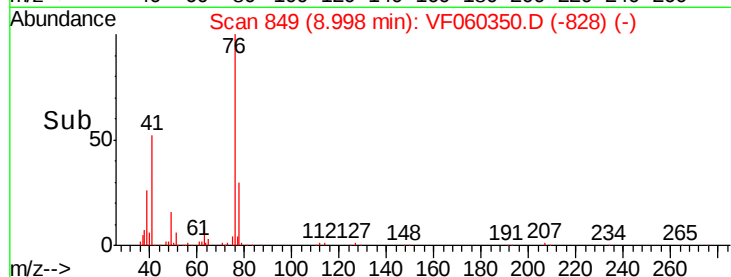
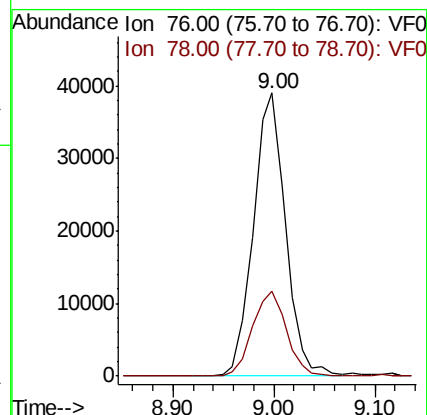
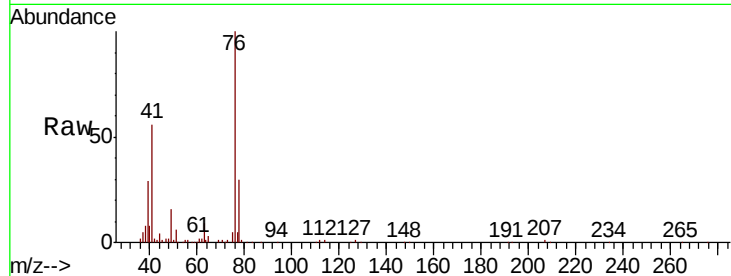
VF0926SBS01

Tot Ion: 76 Resp: 86896

Ion Ratio Lower Upper

76 100

78 30.2 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 111.715 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF060350.D

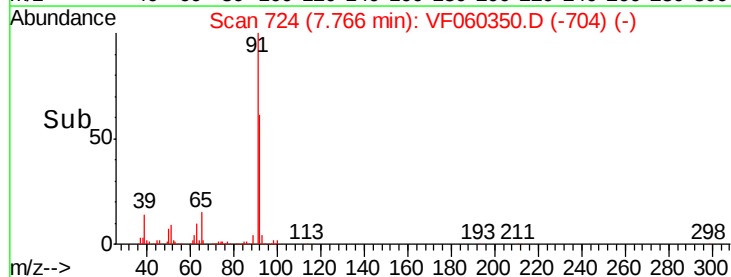
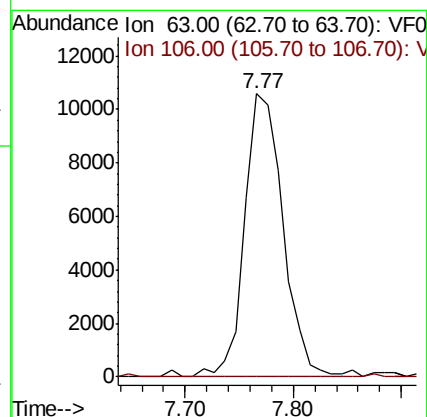
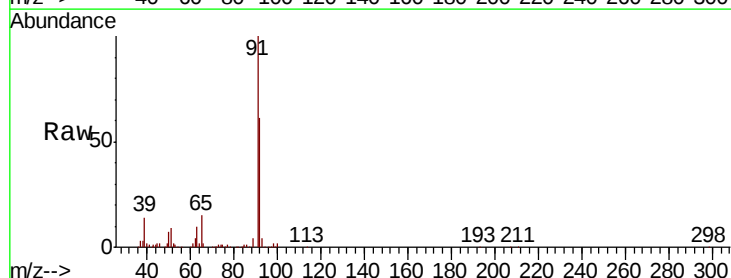
Acq: 26 Sep 2018 14:29

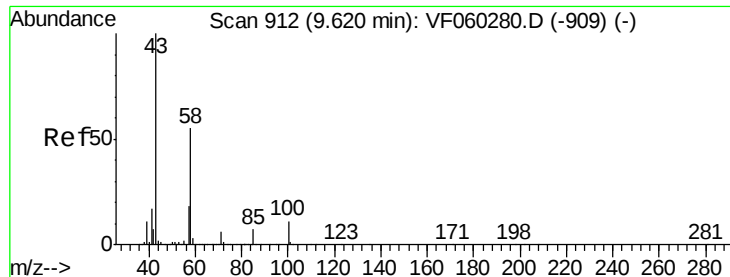
Tgt Ion: 63 Resp: 26128

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

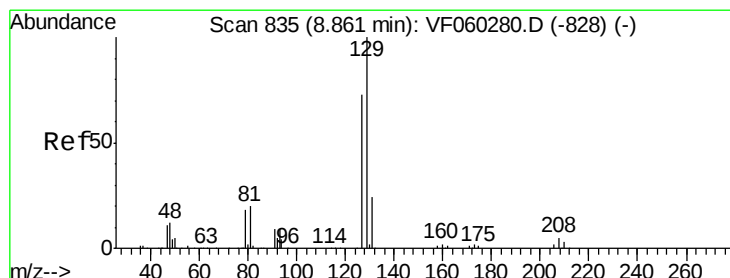
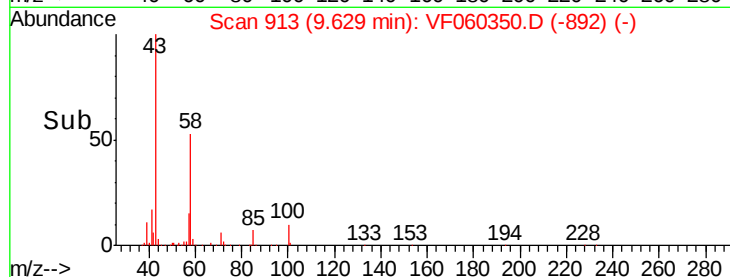
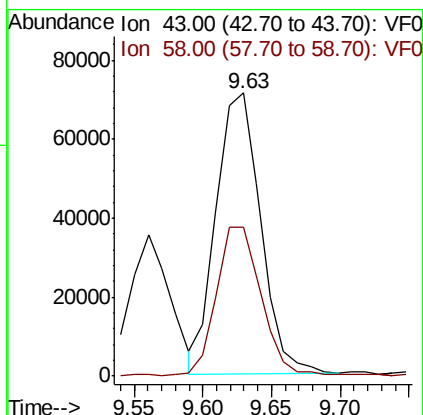
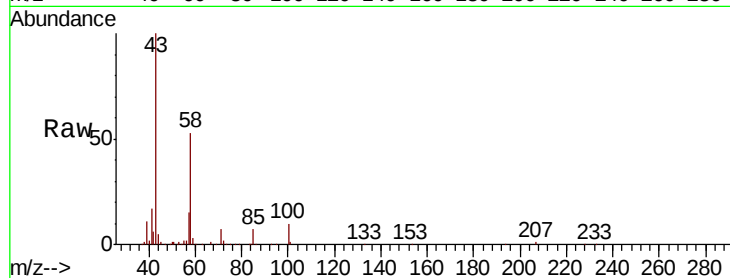




#59
2-Hexanone
Concen: 113.798 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

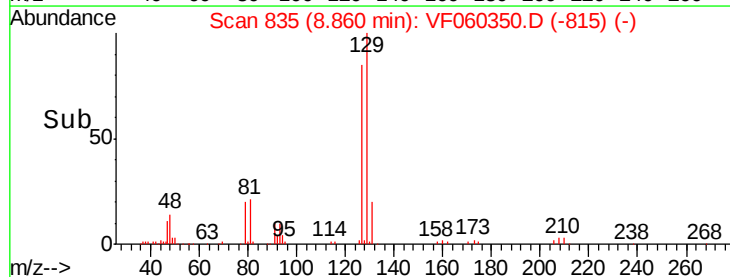
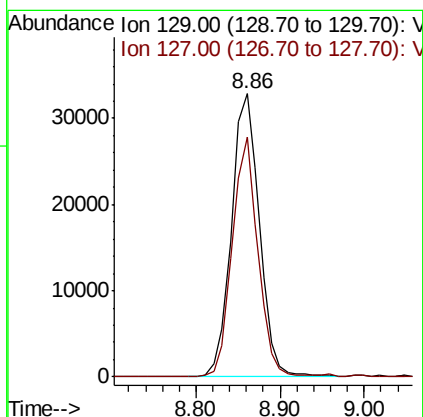
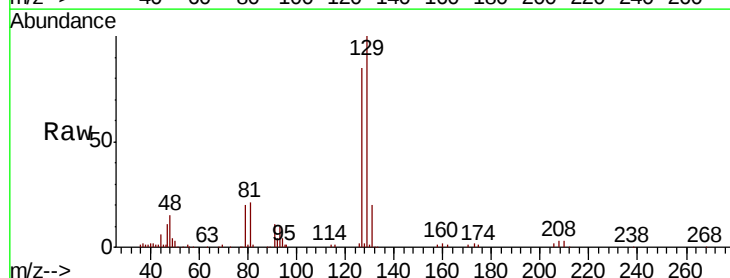
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

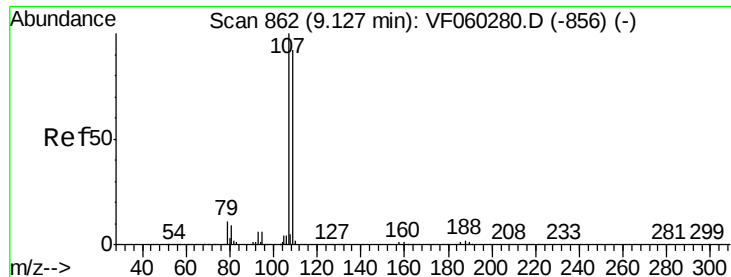
Tot Ion: 43 Resp: 160056
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.6



#60
Dibromochloromethane
Concen: 23.248 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 129 Resp: 75902
Ion Ratio Lower Upper
129 100
127 84.9 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.731 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

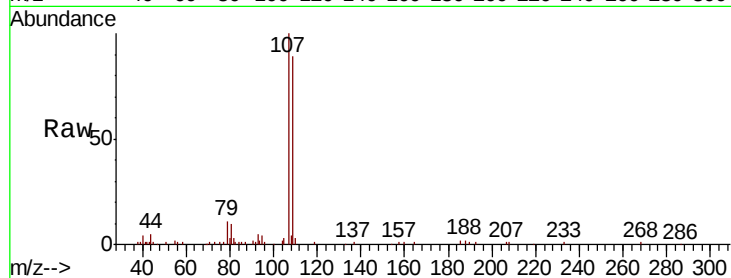
VF0926SBSD01

Tot Ion:107 Resp: 55448

Ion Ratio Lower Upper

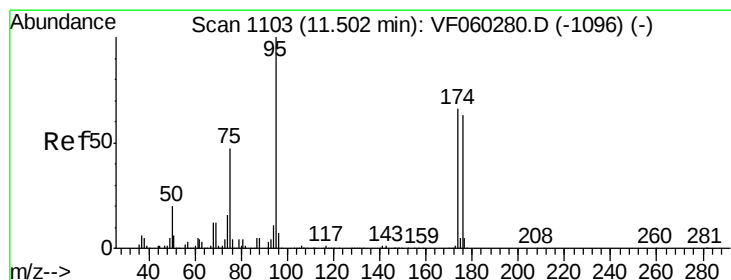
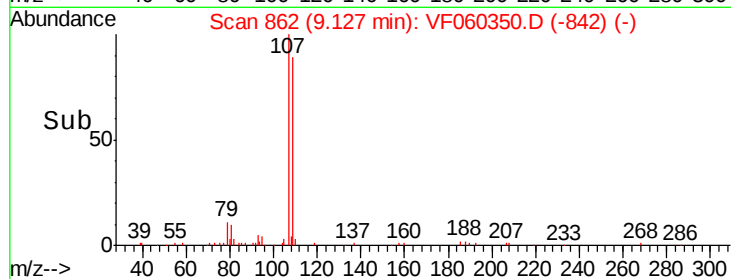
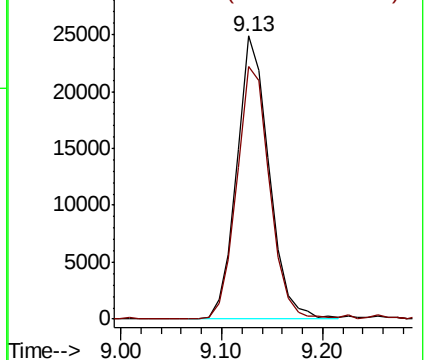
107 100

109 89.3 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.263 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

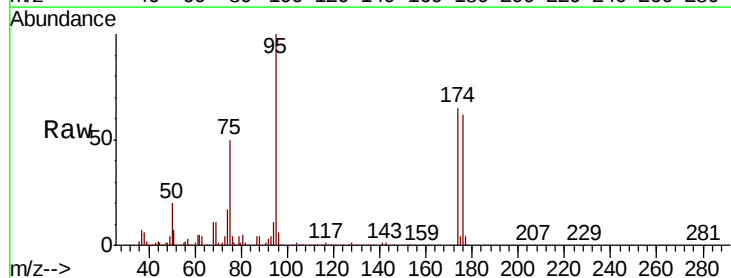
Tgt Ion: 95 Resp: 199408

Ion Ratio Lower Upper

95 100

174 65.1 0.0 131.2

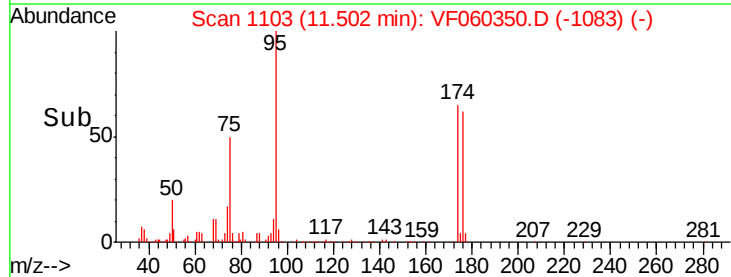
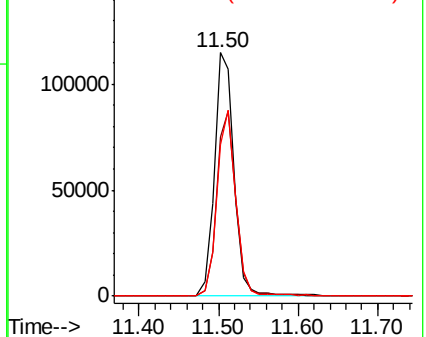
176 62.3 0.0 126.6

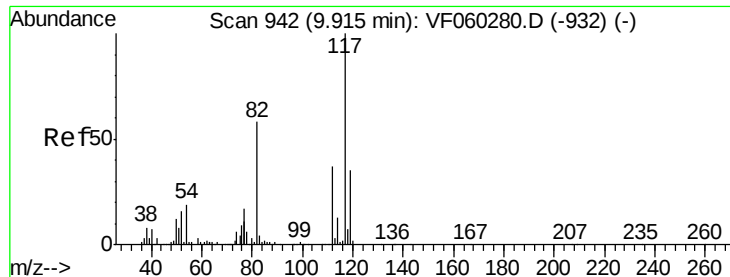


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

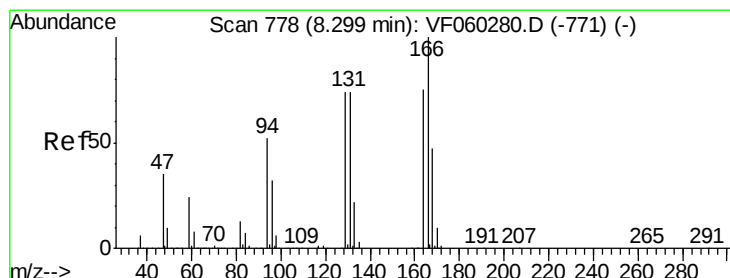
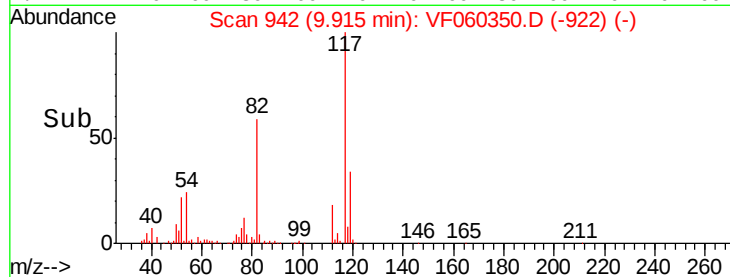
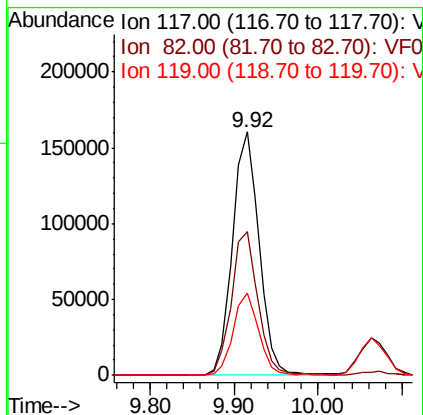
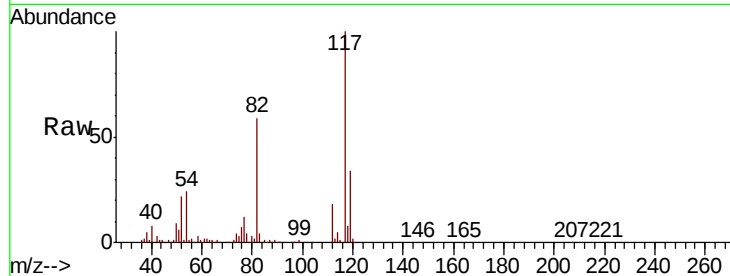




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

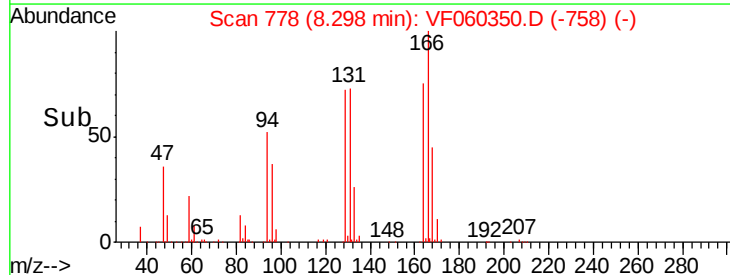
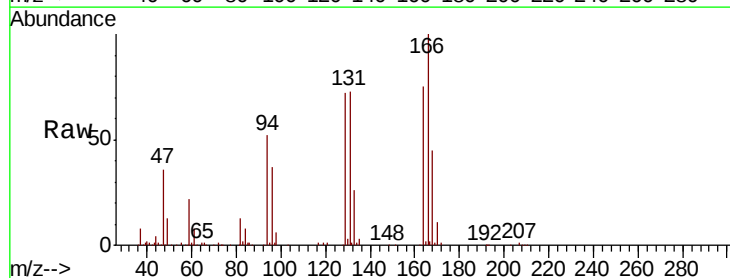
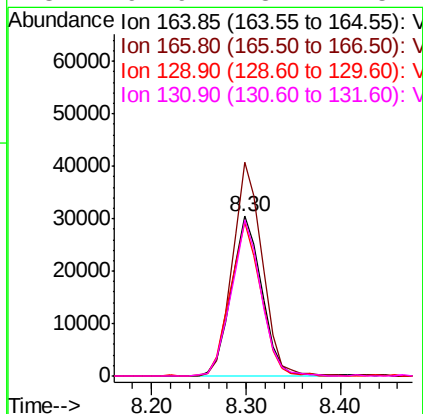
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBSD01

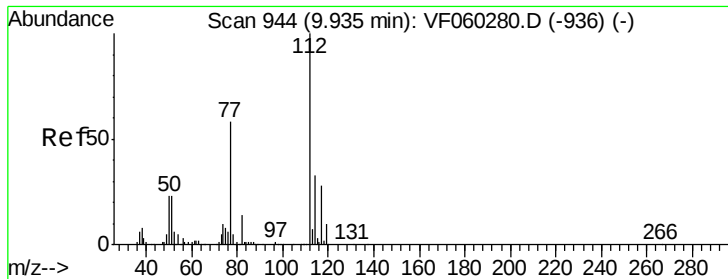
Tot Ion:117 Resp: 354819
Ion Ratio Lower Upper
117 100
82 59.0 46.2 69.2
119 33.6 27.8 41.6



#64
Tetrachloroethene
Concen: 21.174 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion:164 Resp: 68106
Ion Ratio Lower Upper
164 100
166 133.9 106.8 160.2
129 96.5 78.8 118.2
131 97.9 78.7 118.1





#65

Chlorobenzene

Concen: 22.867 ug/l

RT: 9.93 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

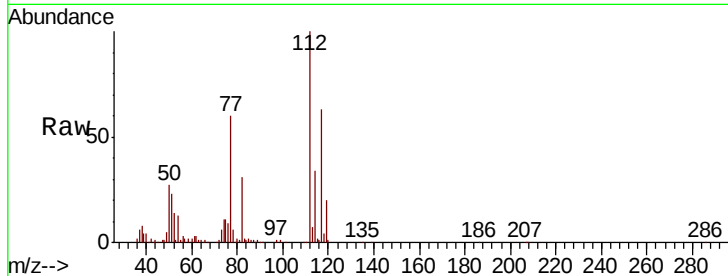
VF0926SBSD01

Tot Ion:112 Resp: 183893

Ion Ratio Lower Upper

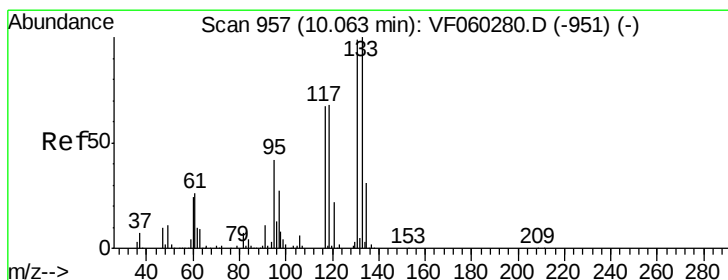
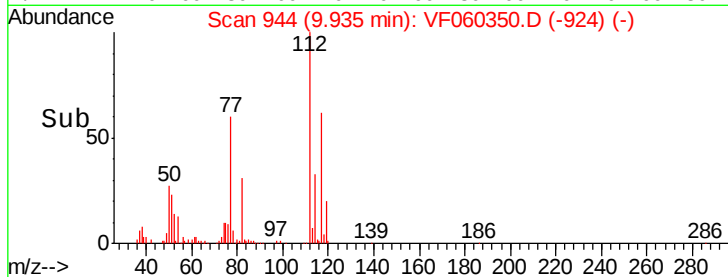
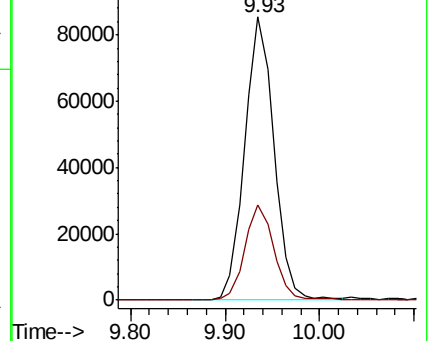
112 100

114 33.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 24.179 ug/l

RT: 10.06 min Scan# 957

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

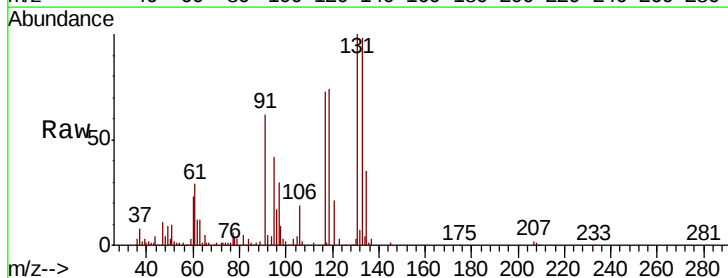
Tgt Ion:131 Resp: 80694

Ion Ratio Lower Upper

131 100

133 97.9 50.4 151.2

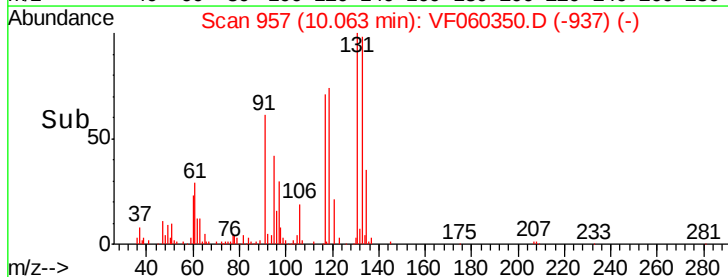
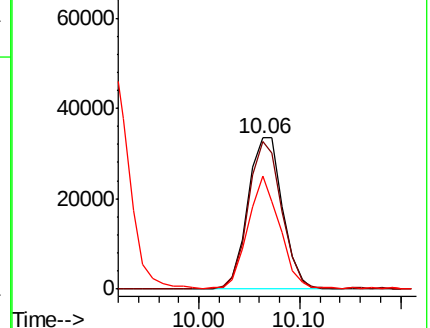
119 74.4 34.8 104.3

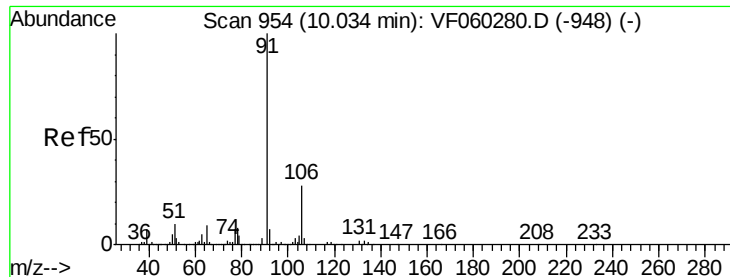


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

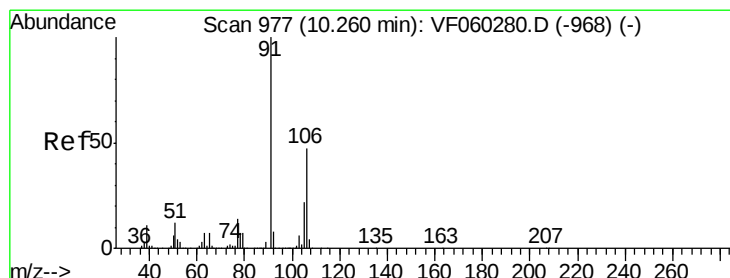
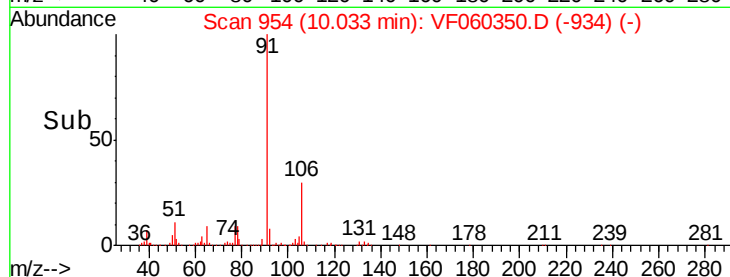
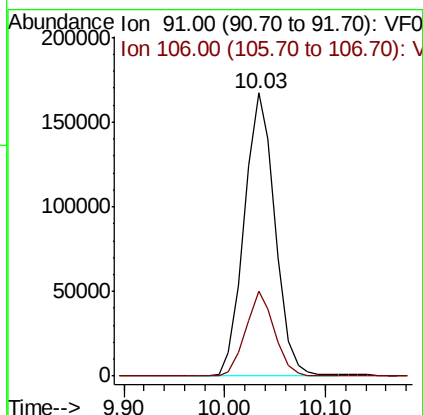
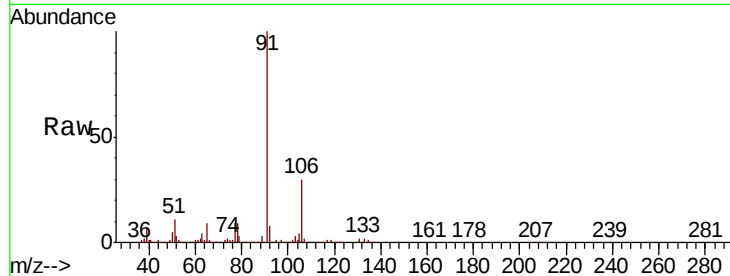




#67
Ethyl Benzene
Concen: 23.902 ug/l
RT: 10.03 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

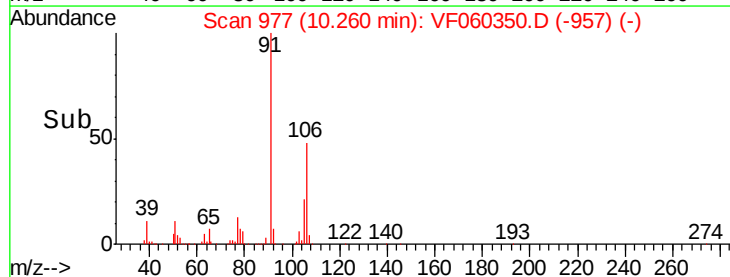
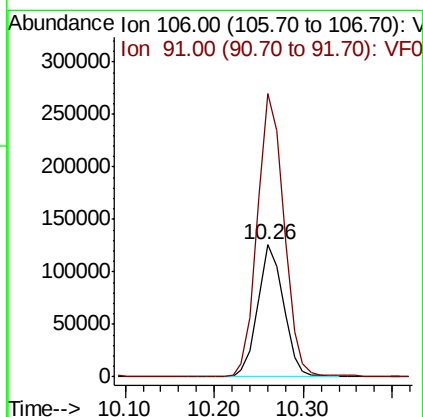
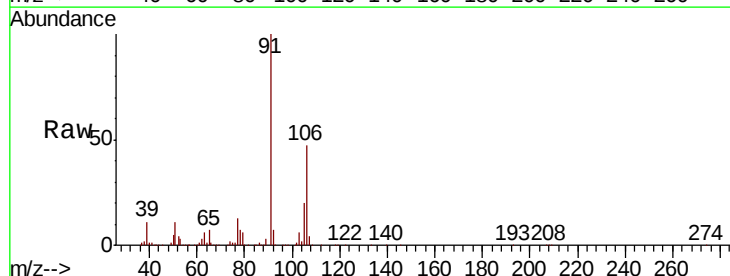
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

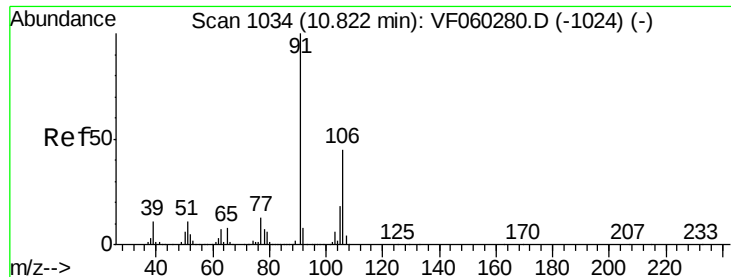
Tot Ion: 91 Resp: 355394
Ion Ratio Lower Upper
91 100
106 30.1 22.7 34.1



#68
m/p-Xylenes
Concen: 49.118 ug/l
RT: 10.26 min Scan# 977
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion: 106 Resp: 252321
Ion Ratio Lower Upper
106 100
91 214.5 172.3 258.5

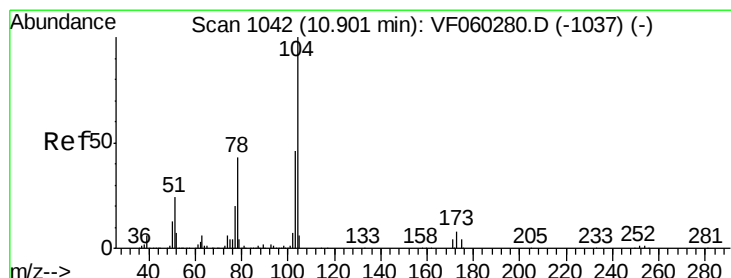
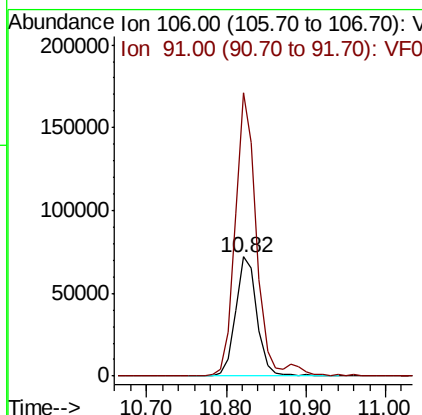
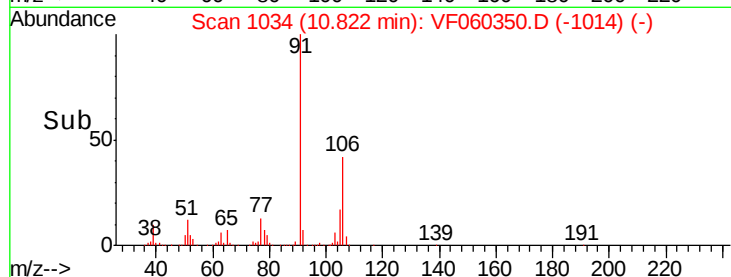
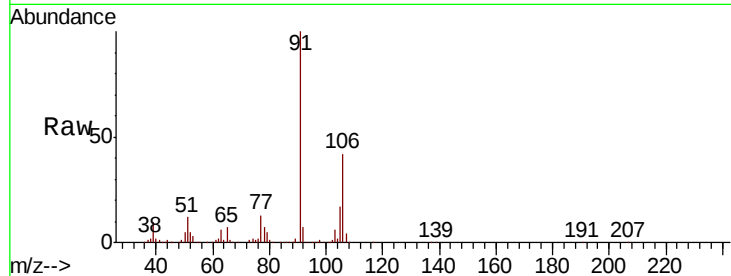




#69
o-Xylene
Concen: 23.530 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

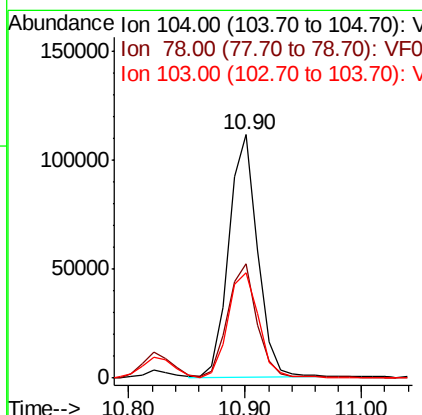
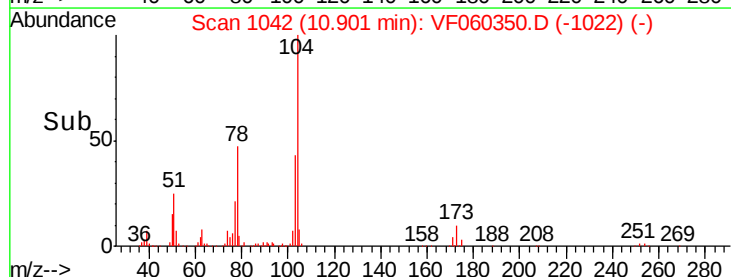
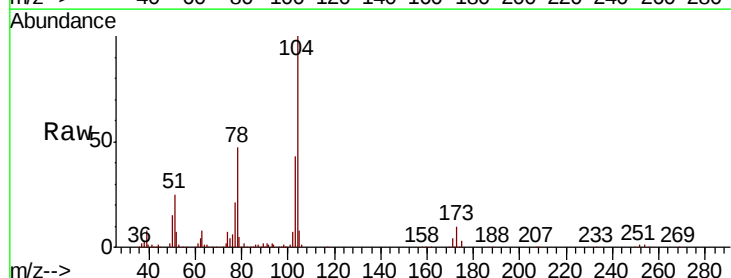
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

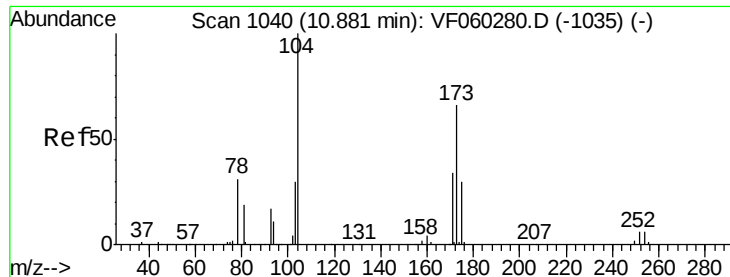
Tot Ion:106 Resp: 135573
Ion Ratio Lower Upper
106 100
91 237.8 110.9 332.6



#70
Styrene
Concen: 23.490 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion:104 Resp: 190874
Ion Ratio Lower Upper
104 100
78 46.9 35.0 52.6
103 43.0 37.4 56.0





#71

Bromoform

Concen: 22.491 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

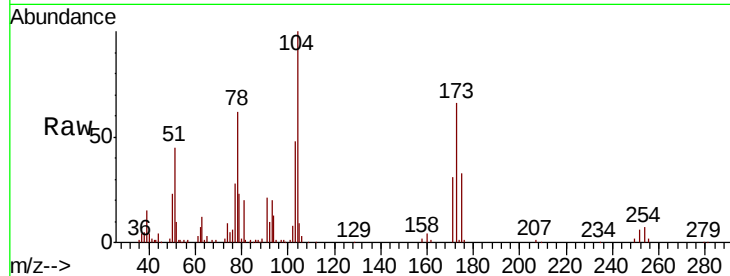
Tot Ion:173 Resp: 41223

Ion Ratio Lower Upper

173 100

175 48.8 22.3 66.9

254 0.0 0.0 0.0

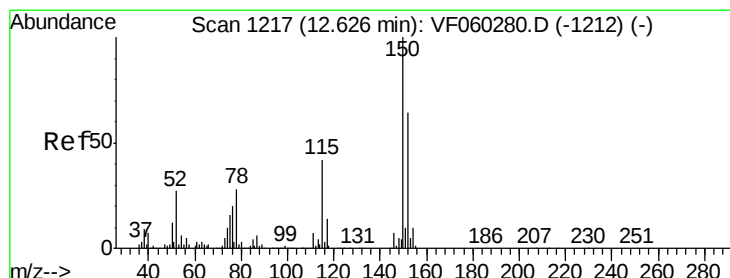
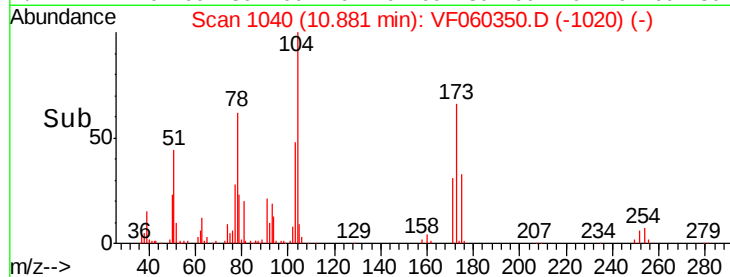
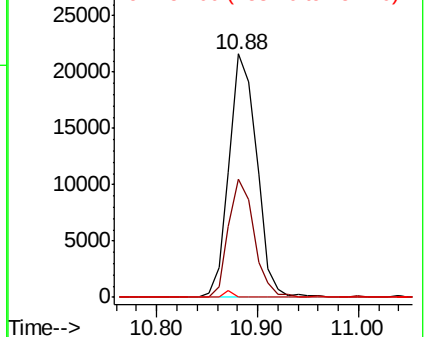


Abundance

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: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

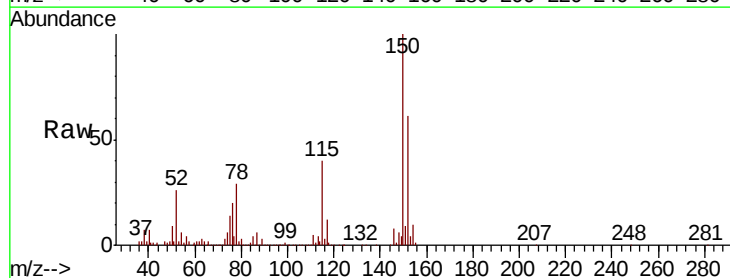
Tgt Ion:152 Resp: 192470

Ion Ratio Lower Upper

152 100

115 66.2 32.6 97.8

150 164.5 0.0 314.2

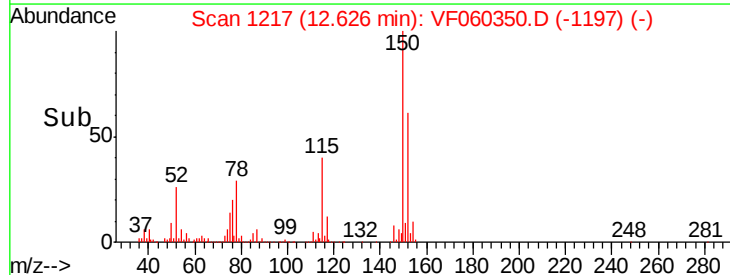
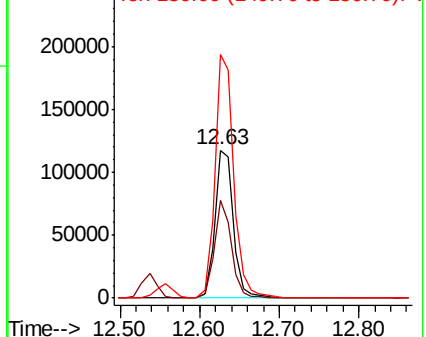


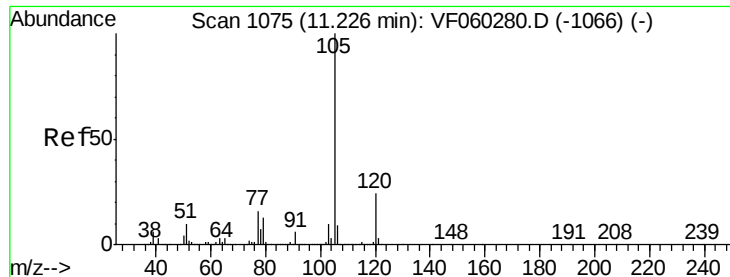
Abundance

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: 23.252 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

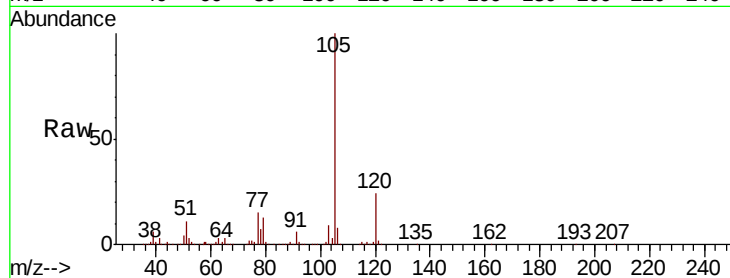
VF0926SBS01

Tot Ion:105 Resp: 401758

Ion Ratio Lower Upper

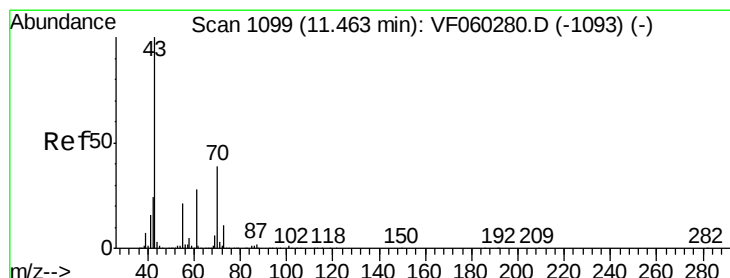
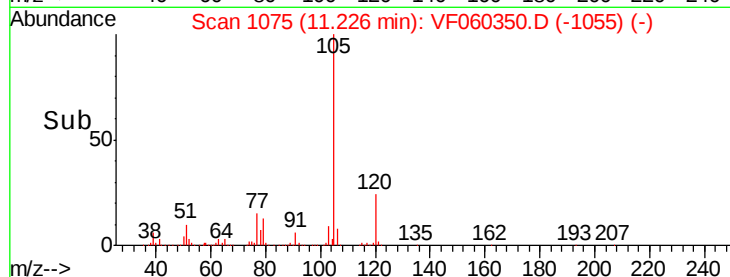
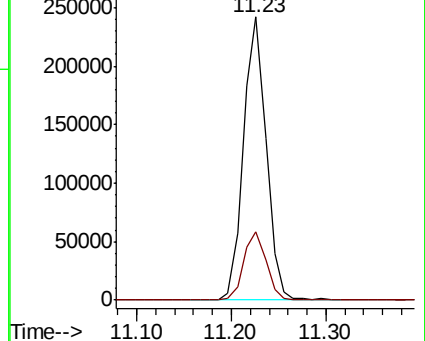
105 100

120 24.2 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.848 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Tgt Ion: 43 Resp: 95237

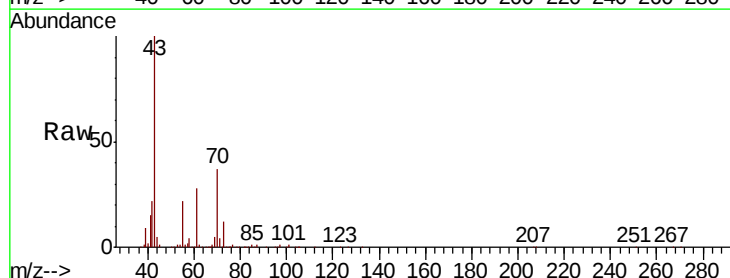
Ion Ratio Lower Upper

43 100

70 36.6 31.4 47.2

55 21.5 16.8 25.2

61 28.0 22.6 34.0

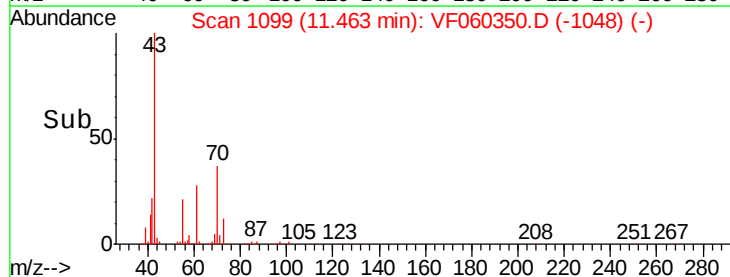
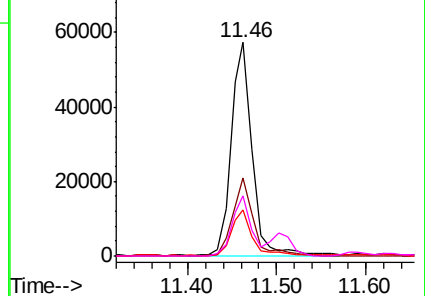


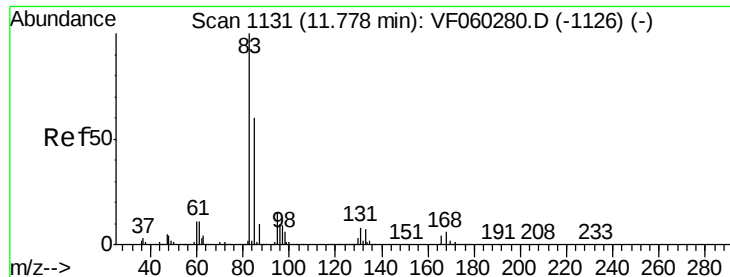
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.215 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

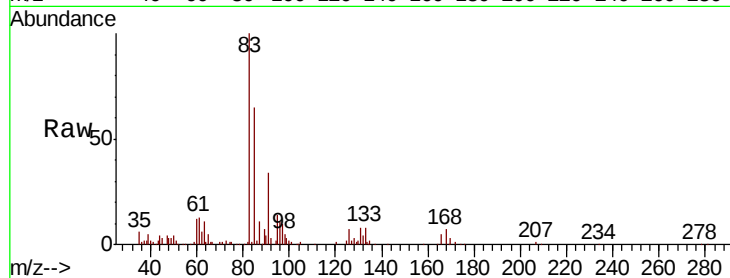
Tot Ion: 83 Resp: 68027

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

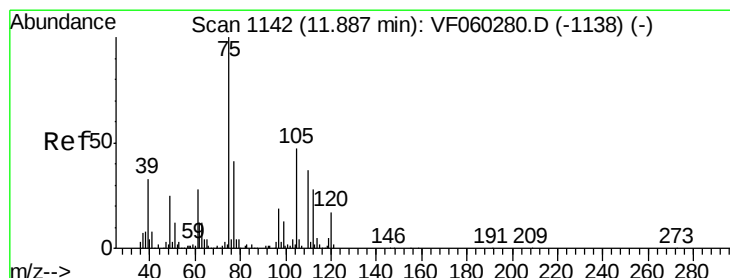
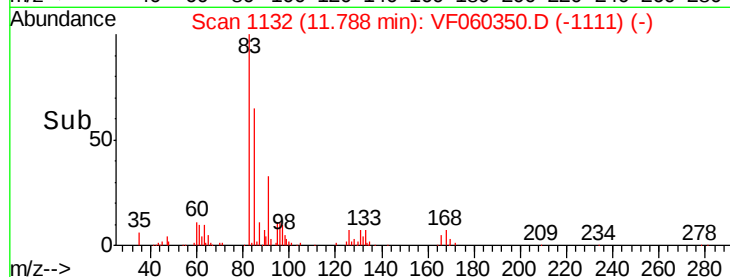
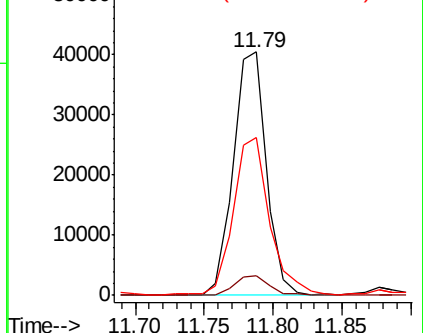
85 64.7 30.1 90.5



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: 22.198 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060350.D

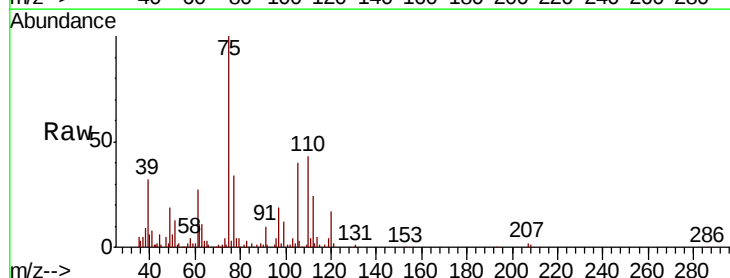
Acq: 26 Sep 2018 14:29

Tgt Ion: 75 Resp: 48670

Ion Ratio Lower Upper

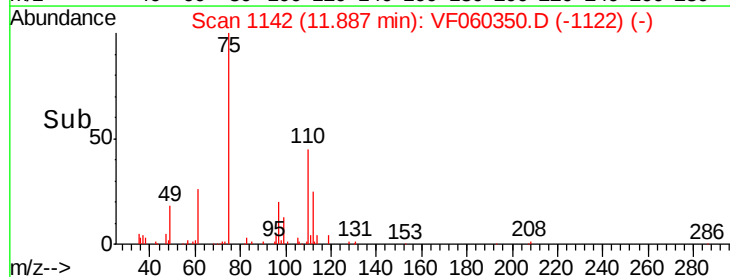
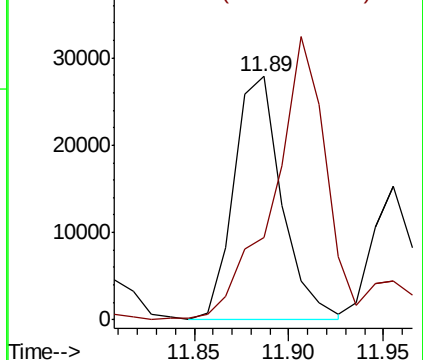
75 100

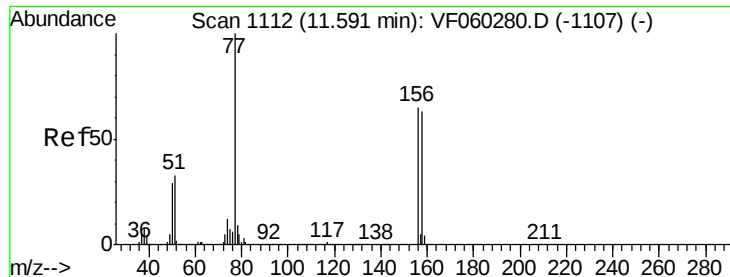
77 34.1 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.714 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

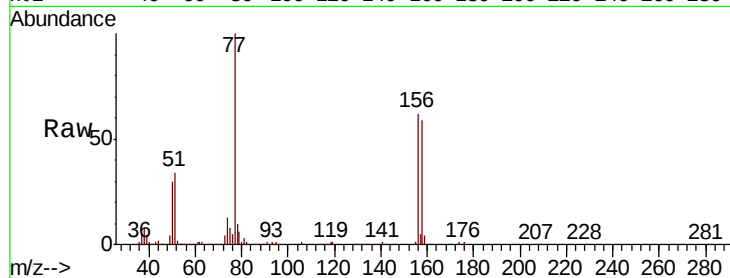
Tot Ion:156 Resp: 84581

Ion Ratio Lower Upper

156 100

77 162.5 77.3 232.1

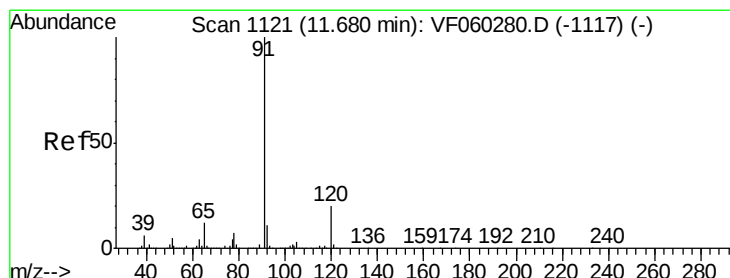
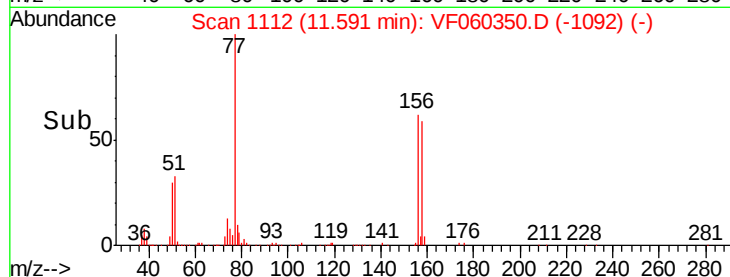
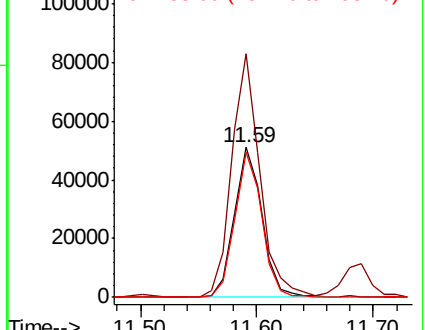
158 96.6 48.4 145.2



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: 22.433 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060350.D

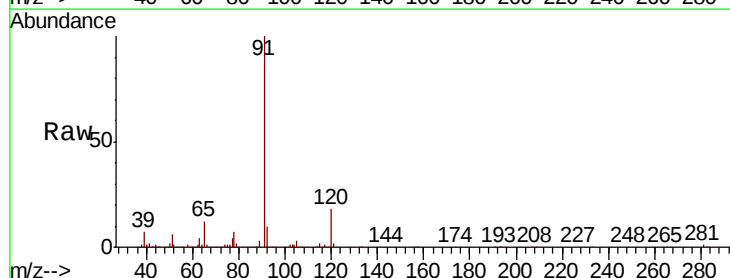
Acq: 26 Sep 2018 14:29

Tgt Ion: 91 Resp: 460361

Ion Ratio Lower Upper

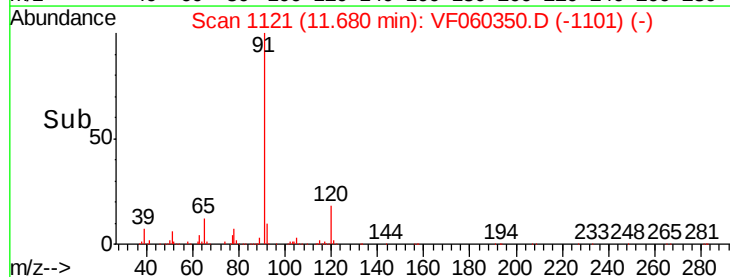
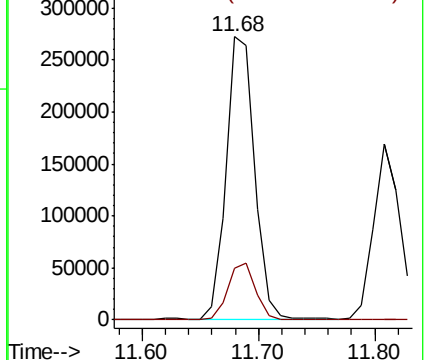
91 100

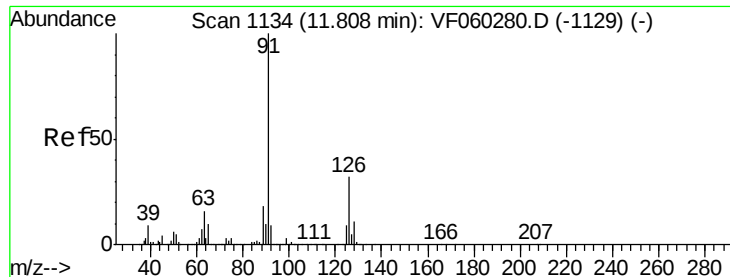
120 18.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

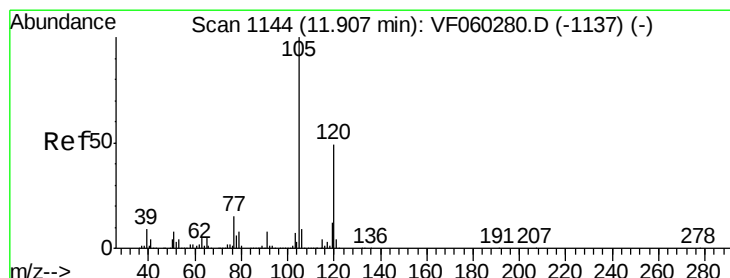
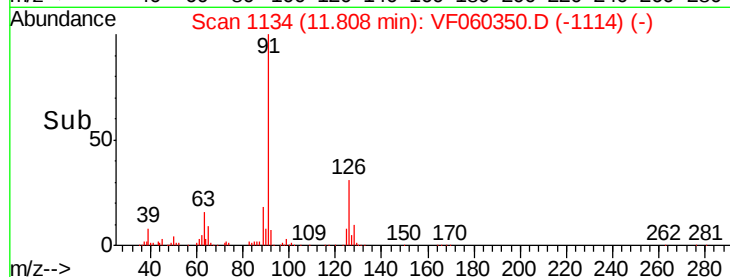
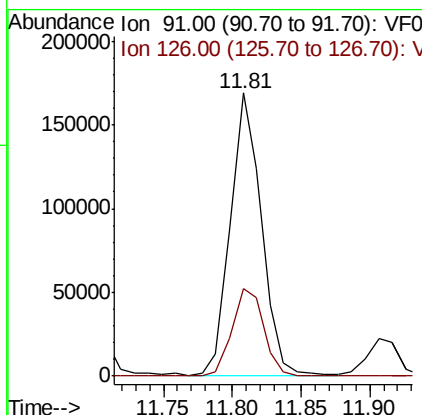
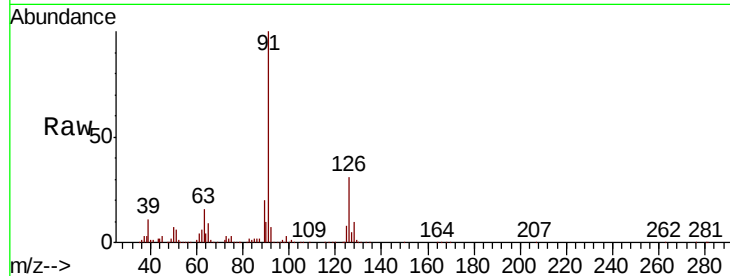




#79
 2-Chlorotoluene
 Concen: 22.523 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

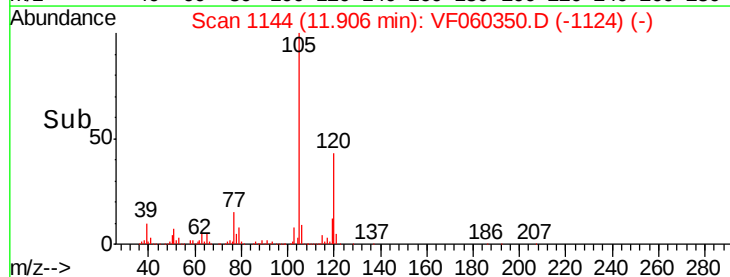
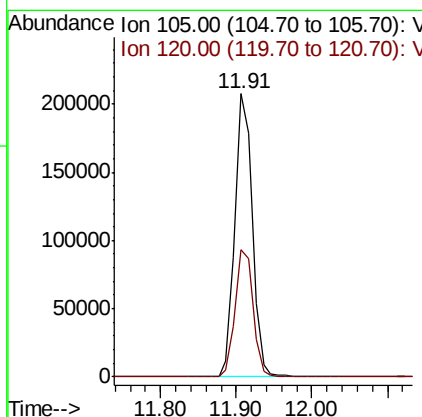
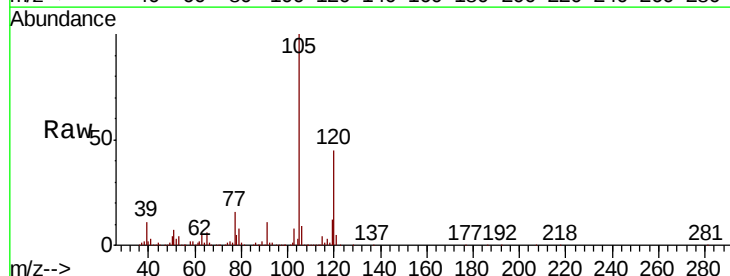
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBSD01

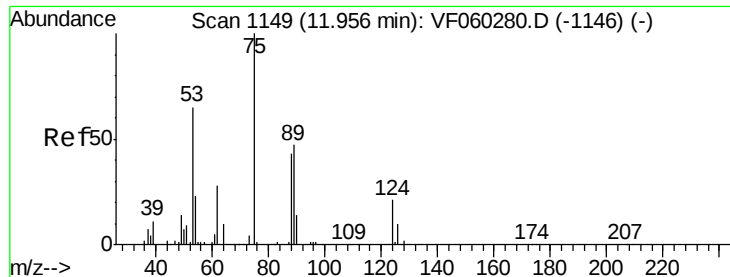
Tot Ion: 91 Resp: 262516
 Ion Ratio Lower Upper
 91 100
 126 30.9 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.621 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion: 105 Resp: 328542
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 26.571 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

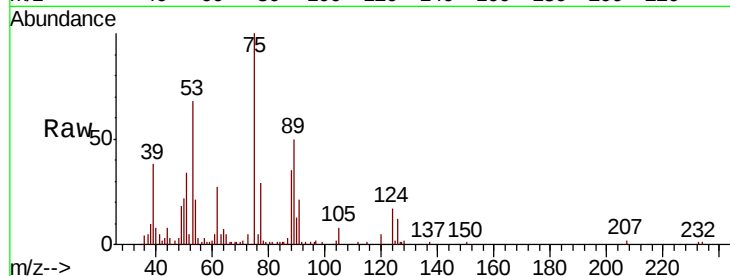
Tot Ion: 75 Resp: 30788

Ion Ratio Lower Upper

75 100

53 67.8 56.5 84.7

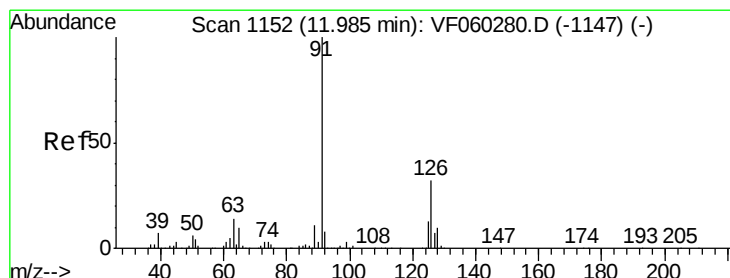
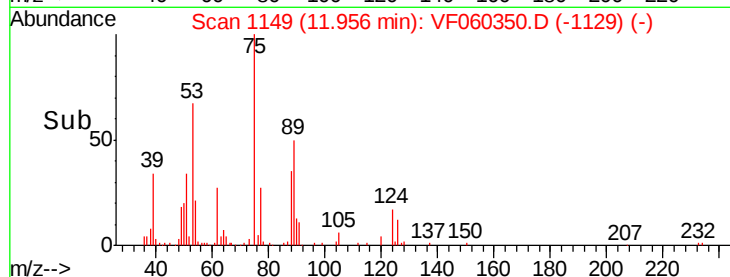
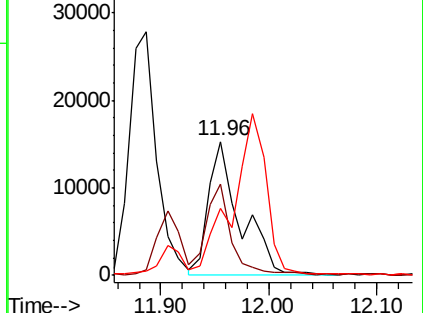
89 49.7 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.798 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060350.D

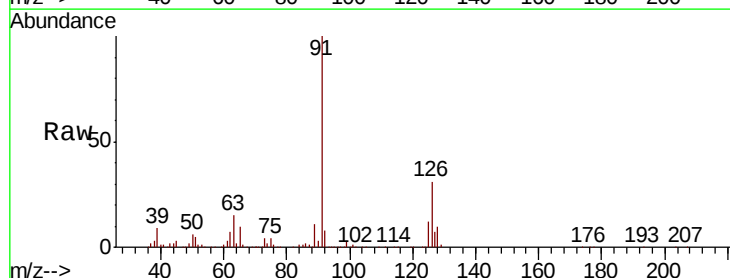
Acq: 26 Sep 2018 14:29

Tgt Ion: 91 Resp: 267072

Ion Ratio Lower Upper

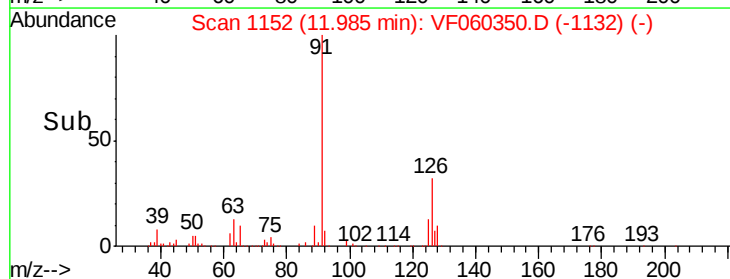
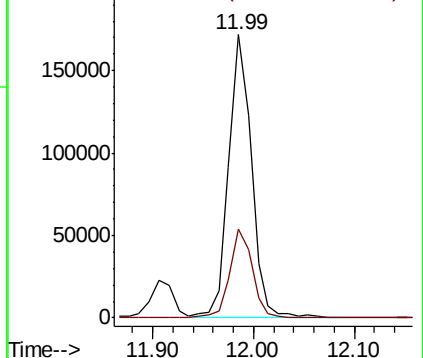
91 100

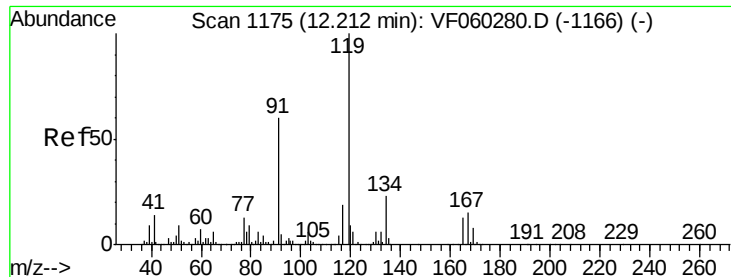
126 31.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

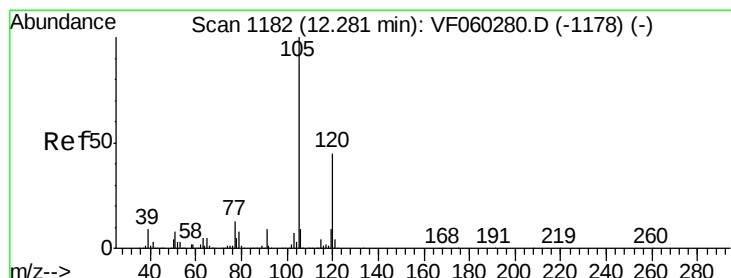
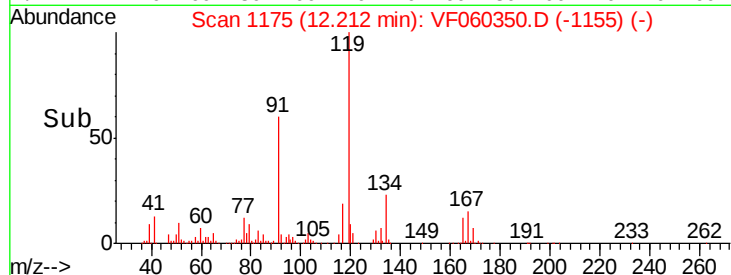
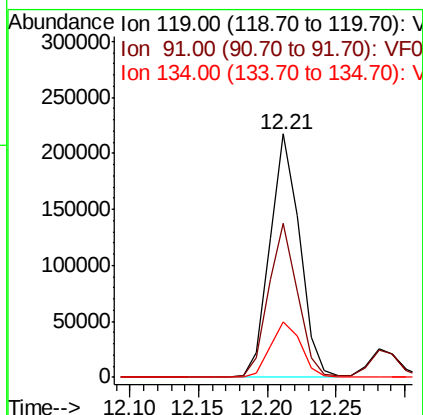
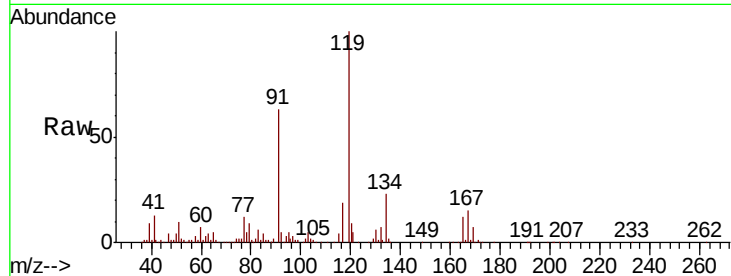




#83
tert-Butylbenzene
Concen: 23.182 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

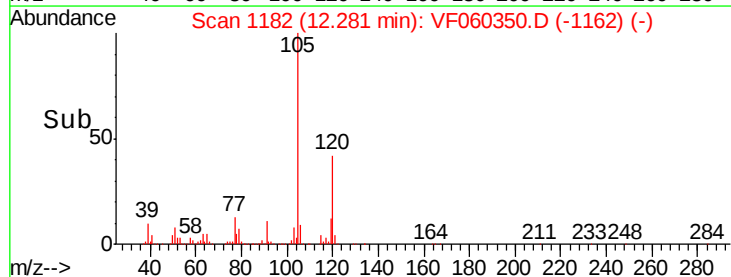
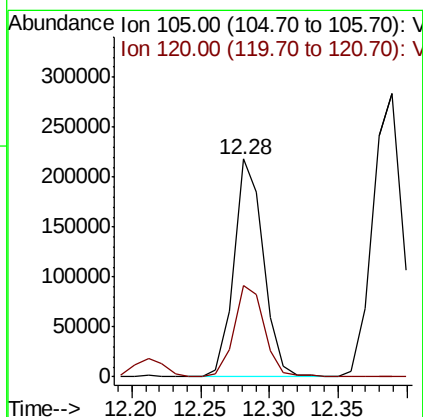
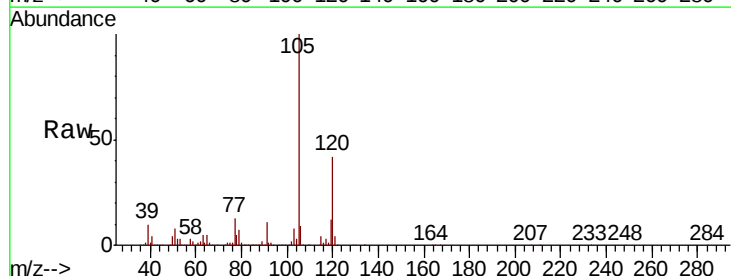
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

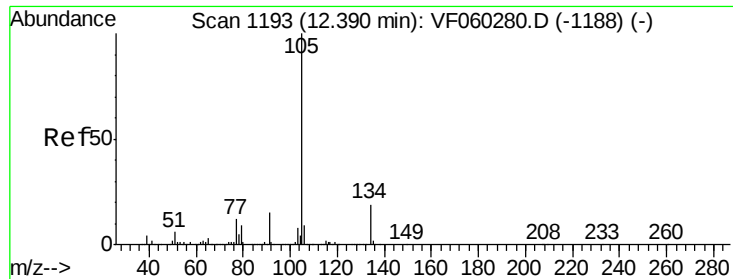
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.3	91.0
134	22.7	11.6	34.8



#84
1,2,4-Trimethylbenzene
Concen: 23.044 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VF060350.D
Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	22.4	67.0





#85

sec-Butylbenzene

Concen: 21.519 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

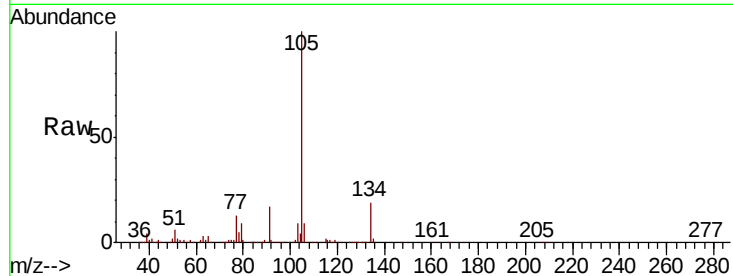
VF0926SBS01

Tot Ion:105 Resp: 431452

Ion Ratio Lower Upper

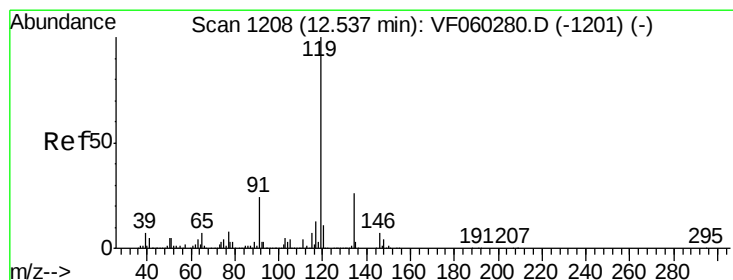
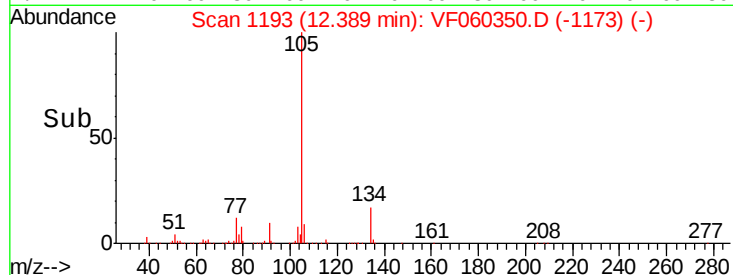
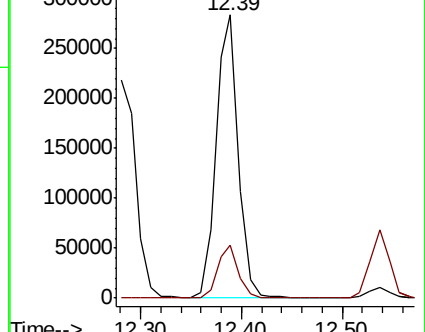
105 100

134 18.7 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.054 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

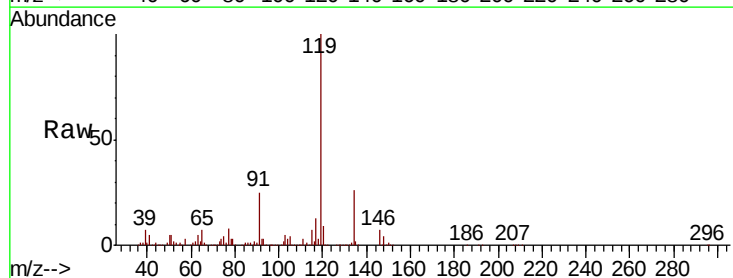
Tgt Ion:119 Resp: 369464

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

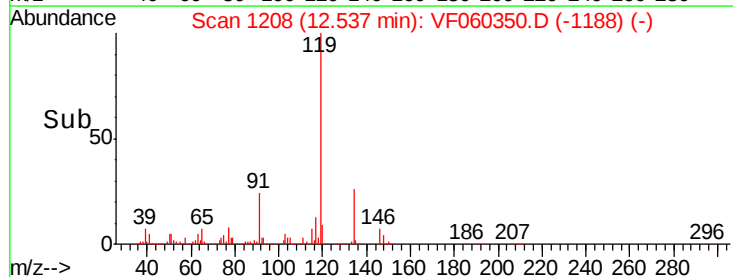
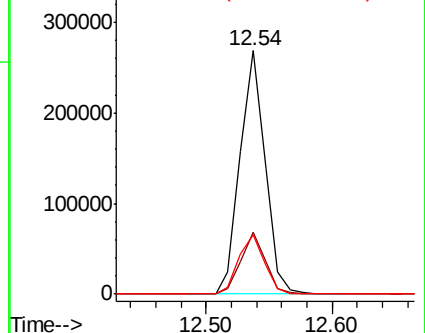
91 24.6 11.9 35.7

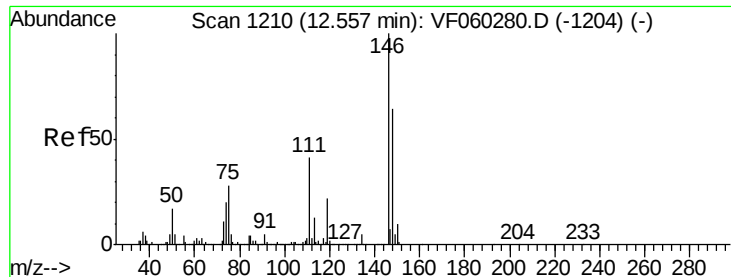


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

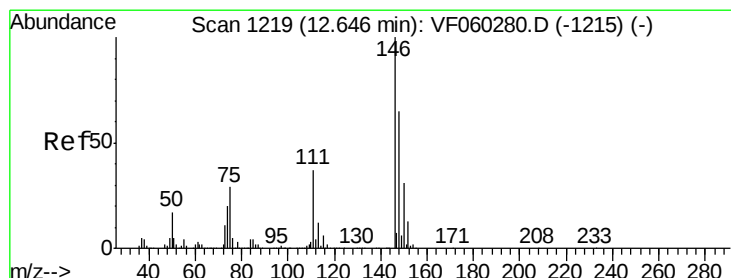
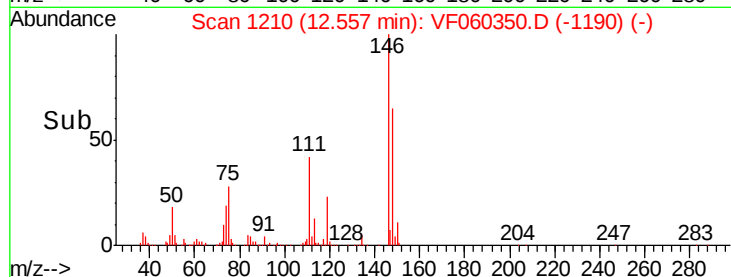
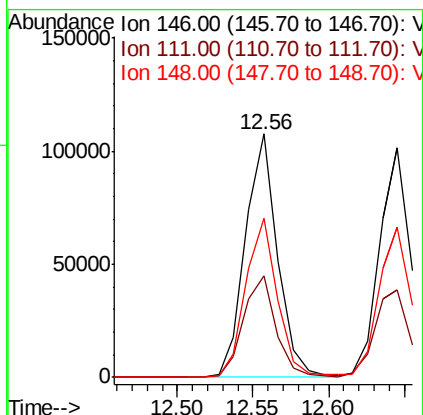
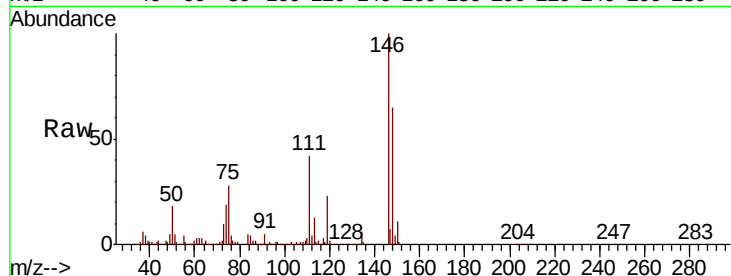




#87
 1,3-Dichlorobenzene
 Concen: 22.877 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

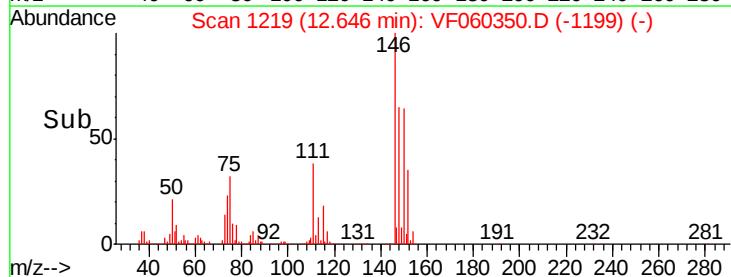
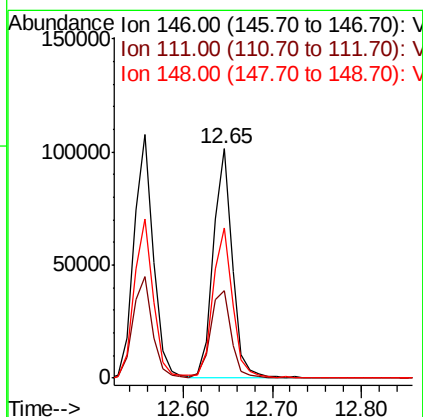
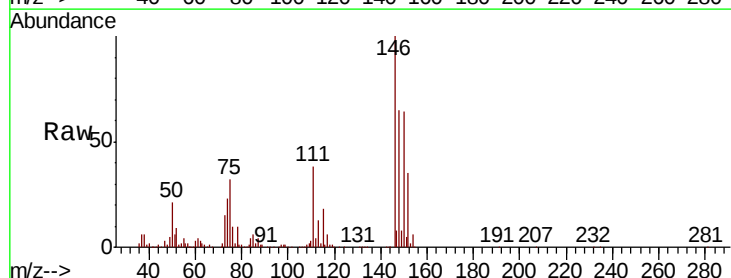
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

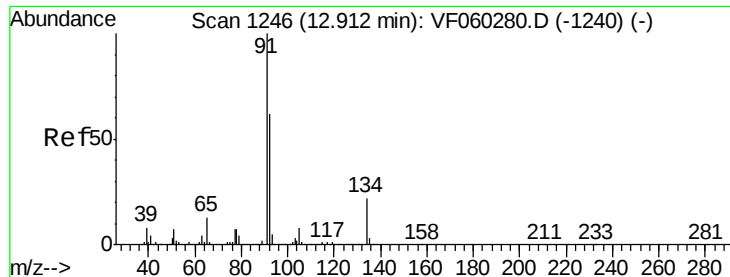
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	65.1	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.851 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060350.D
 Acq: 26 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	65.5	32.4	97.0





#89

n-Butylbenzene

Concen: 22.414 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

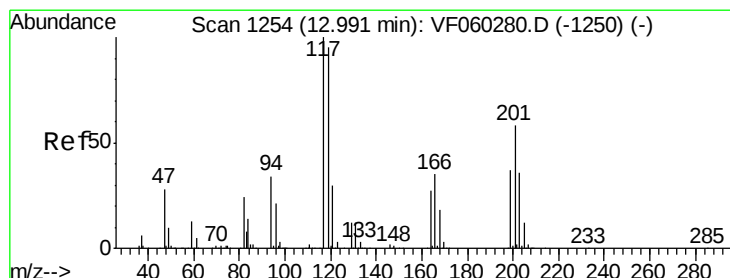
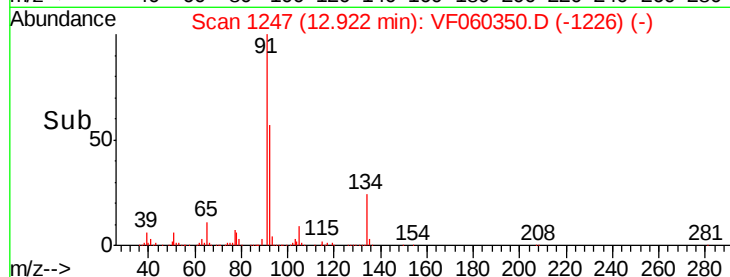
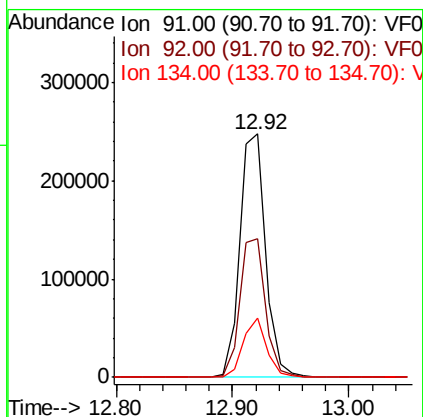
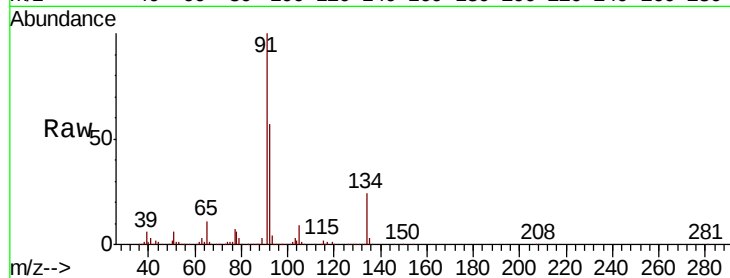
Tot Ion: 91 Resp: 379453

Ion Ratio Lower Upper

91 100

92 56.8 31.1 93.5

134 24.1 11.0 33.0



#90

Hexachloroethane

Concen: 22.814 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF060350.D

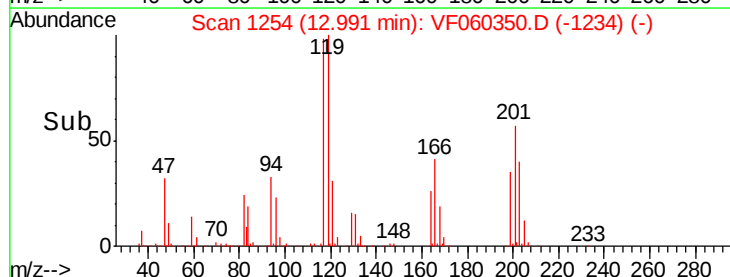
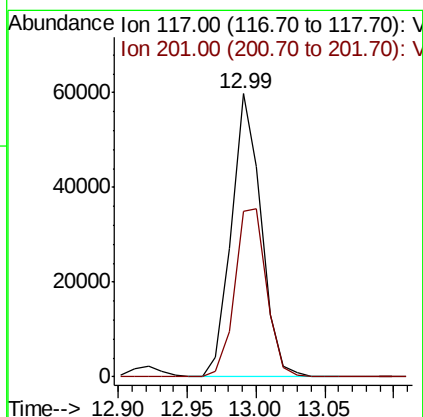
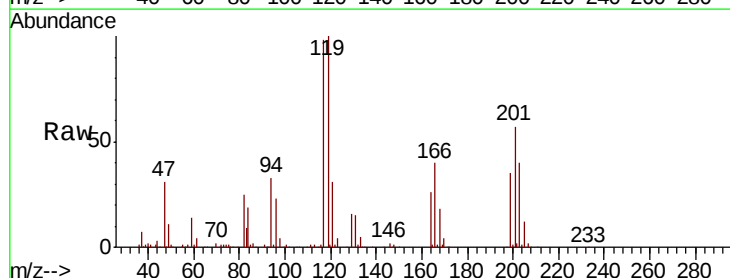
Acq: 26 Sep 2018 14:29

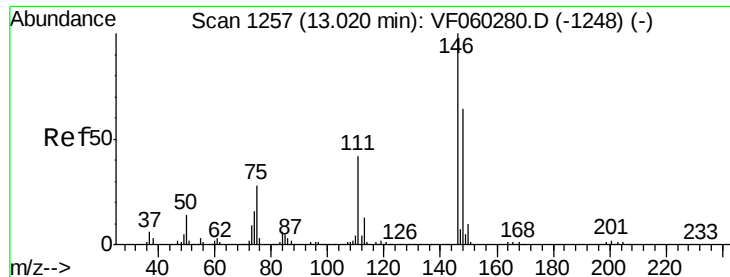
Tgt Ion: 117 Resp: 90011

Ion Ratio Lower Upper

117 100

201 60.3 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 22.919 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

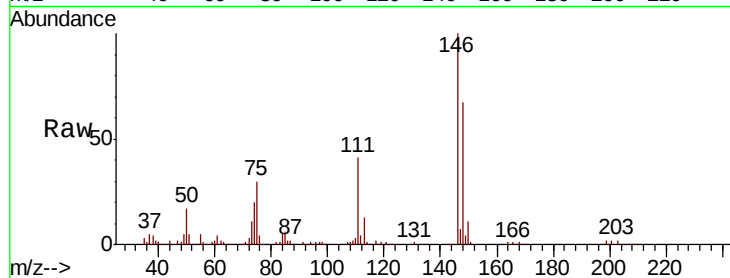
Tot Ion:146 Resp: 152132

Ion Ratio Lower Upper

146 100

111 41.0 20.9 62.8

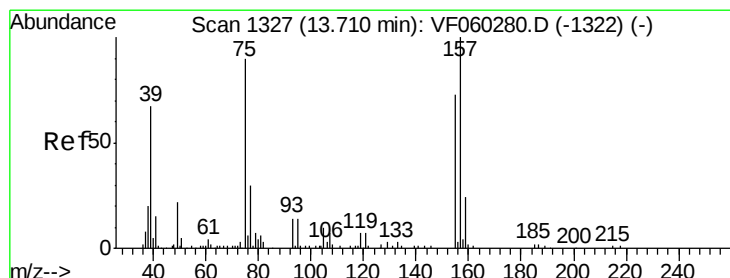
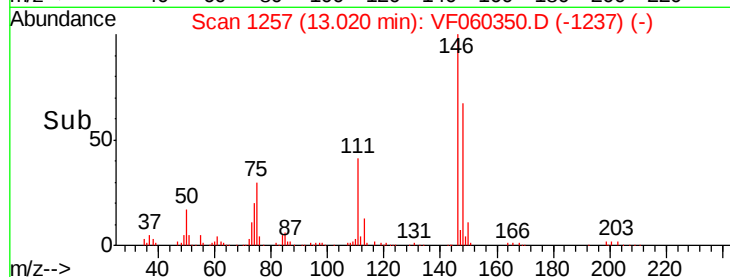
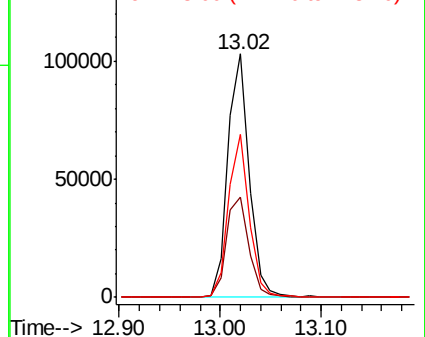
148 67.0 31.9 95.9



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: 20.424 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

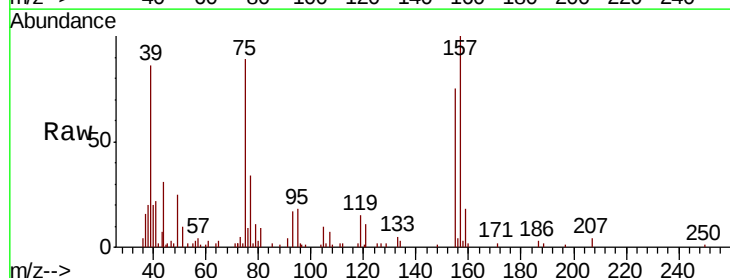
Tgt Ion: 75 Resp: 11742

Ion Ratio Lower Upper

75 100

155 83.3 41.9 125.7

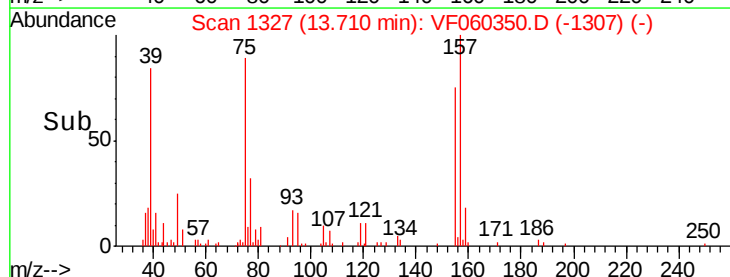
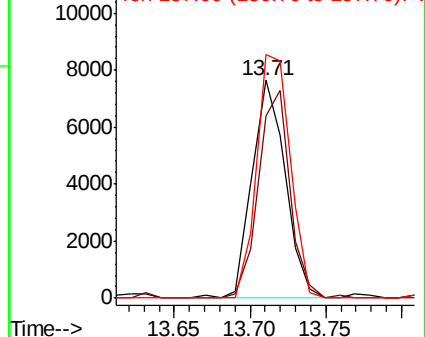
157 111.8 57.4 172.0

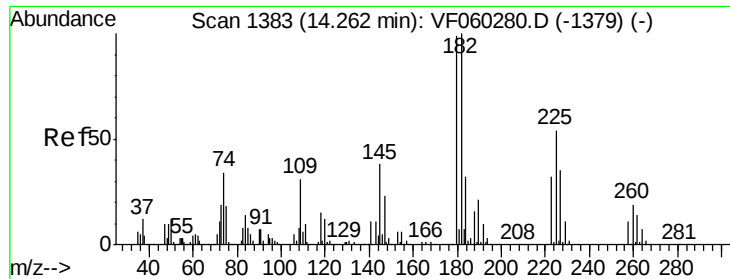


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 22.976 ug/l

RT: 14.26 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

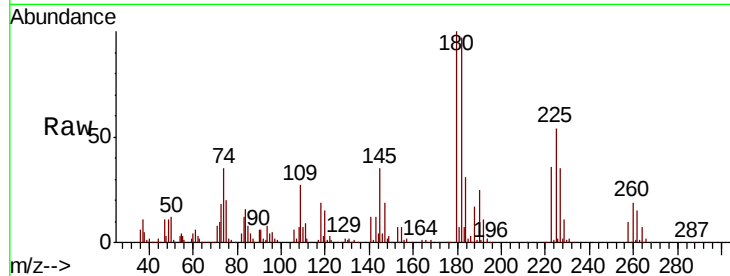
Tot Ion:180 Resp: 110852

Ion Ratio Lower Upper

180 100

182 97.3 50.3 151.0

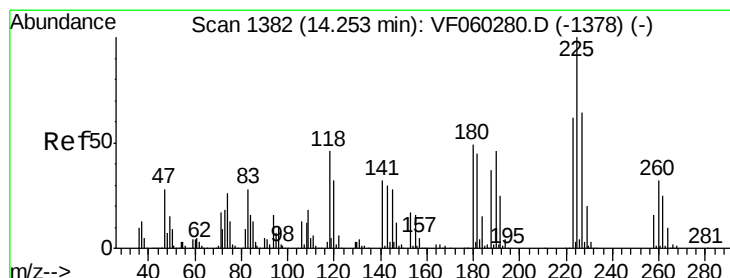
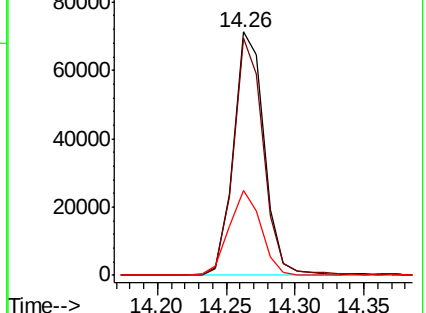
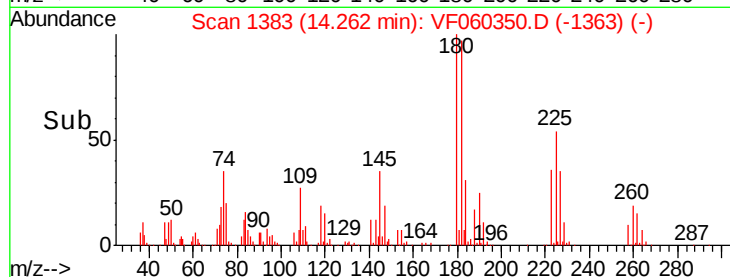
145 35.1 18.9 56.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 22.344 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

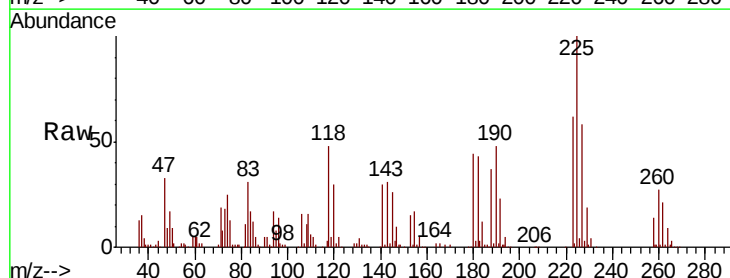
Tgt Ion:225 Resp: 72874

Ion Ratio Lower Upper

225 100

223 62.4 31.2 93.6

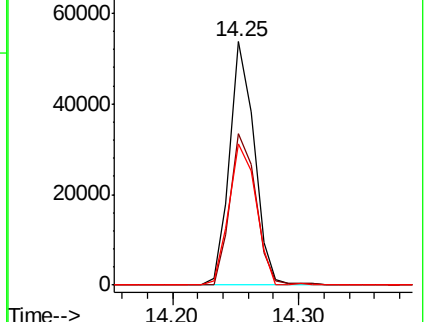
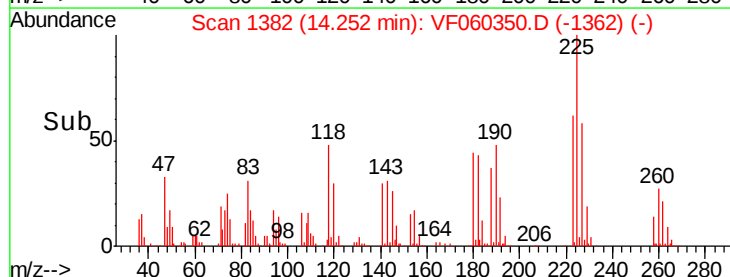
227 58.1 32.2 96.6

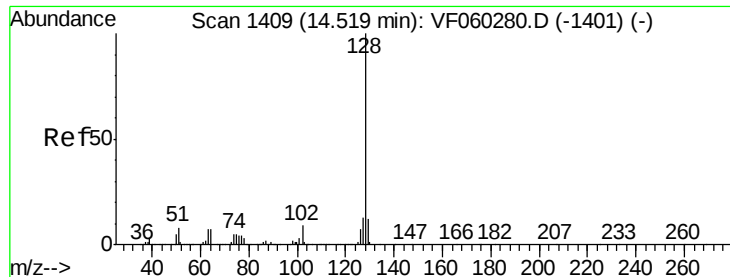


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 24.774 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBSD01

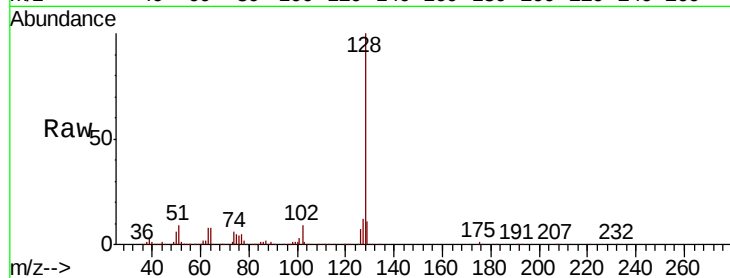
Tot Ion:128 Resp: 209558

Ion Ratio Lower Upper

128 100

127 11.7 10.1 15.1

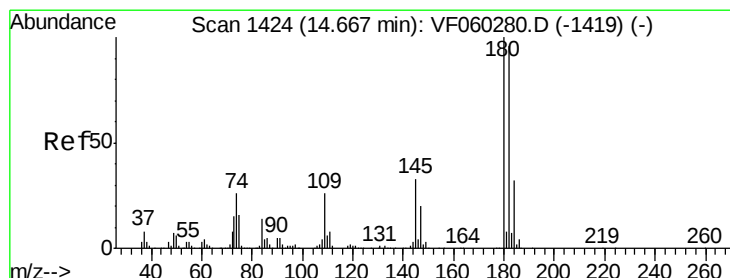
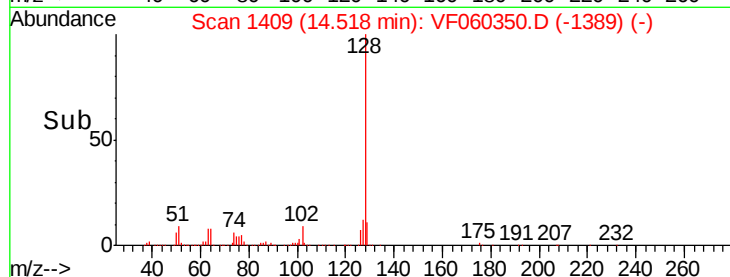
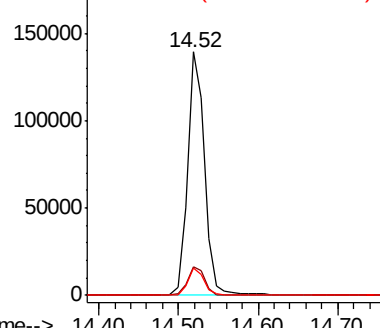
129 11.2 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.462 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060350.D

Acq: 26 Sep 2018 14:29

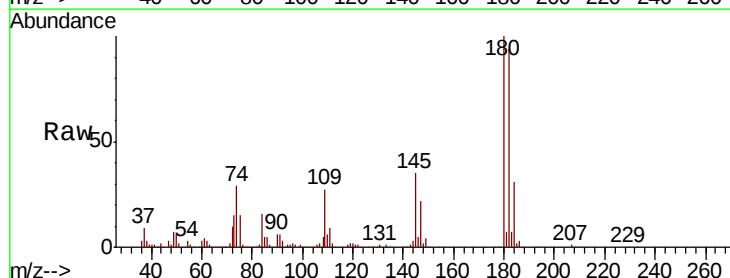
Tgt Ion:180 Resp: 104596

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.4

145 35.0 16.4 49.1



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

