

Data File : VF059986.D
Acq On : 17 Aug 2018 22:13
Operator : VA/AP
Sample : VF0817SBS01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Quant Time: Aug 18 01:25:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	132820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	183670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	197993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	124632	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	4.30	113	91773	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	7.72	98	205439	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.51	95	124573	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	46962	20.845	ug/l	98
3) Chloromethane	1.08	50	26809	24.509	ug/l #	80
4) Vinyl Chloride	1.12	62	32213	23.945	ug/l	91
5) Bromomethane	1.32	94	26114	21.295	ug/l	98
6) Chloroethane	1.39	64	13874	19.863	ug/l	96
7) Trichlorofluoromethane	1.48	101	74070	19.185	ug/l	98
8) Diethyl Ether	1.71	74	12585	22.093	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	36881	20.373	ug/l	96
10) Methyl Iodide	1.93	142	53076	23.237	ug/l	98
11) Tert butyl alcohol	2.70	59	15642	104.688	ug/l #	85
12) 1,1-Dichloroethene	1.82	96	26524	21.247	ug/l	84
13) Acrolein	2.09	56	5729	80.436	ug/l	91
14) Allyl chloride	2.19	41	44912	21.203	ug/l	89
15) Acrylonitrile	3.09	53	28131	116.437	ug/l	98
16) Acetone	2.35	43	76281	100.692	ug/l	99
17) Carbon Disulfide	1.84	76	88371	22.271	ug/l	98
18) Methyl Acetate	2.46	43	31969	22.715	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	85779	20.878	ug/l	97
20) Methylene Chloride	2.29	84	38413	24.971	ug/l	93
21) trans-1,2-Dichloroethene	2.42	96	27255	20.339	ug/l	97
22) Diisopropyl ether	2.93	45	94168	20.788	ug/l	98
23) Vinyl Acetate	3.34	43	200137	109.723	ug/l #	97
24) 1,1-Dichloroethane	3.01	63	60679	20.422	ug/l	99
25) 2-Butanone	4.53	43	68853	111.091	ug/l	97
26) 2,2-Dichloropropane	3.78	77	49228	18.703	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	25846	21.090	ug/l	96
28) Bromochloromethane	3.89	49	19434	22.797	ug/l #	81
29) Tetrahydrofuran	4.27	42	25325	114.491	ug/l	98
30) Chloroform	4.04	83	73134	21.290	ug/l	98
31) Cyclohexane	3.86	56	30528	22.445	ug/l #	92
32) 1,1,1-Trichloroethane	4.28	97	68659	20.481	ug/l	98
36) 1,1-Dichloropropene	4.47	75	42822	20.470	ug/l	95
37) Ethyl Acetate	4.30	43	30138	26.064	ug/l	82
38) Carbon Tetrachloride	4.17	117	63095	21.028	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	32771	20.883	ug/l	89
40) Benzene	4.82	78	78694	22.226	ug/l	94
41) Methacrylonitrile	4.93	41	12411	22.418	ug/l #	84
42) 1,2-Dichloroethane	5.13	62	62275	20.737	ug/l	99
43) Isopropyl Acetate	7.12	43	28040	22.032	ug/l #	89
44) Trichloroethene	5.69	130	30164	21.828	ug/l	98
45) 1,2-Dichloropropane	6.41	63	21825	21.546	ug/l	92
46) Dibromomethane	6.26	93	22278	22.301	ug/l #	85
47) Bromodichloromethane	6.56	83	56748	21.043	ug/l	95
48) Methyl methacrylate	6.88	41	21242	22.424	ug/l	92
49) 1,4-Dioxane	6.88	88	3454	449.002	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	136725	115.006	ug/l	98
52) Toluene	7.79	92	56852	21.453	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	45374	19.947	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	44778	20.390	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	22516	21.177	ug/l	97
56) Ethyl methacrylate	8.77	69	28083	22.799	ug/l	94
57) 1,3-Dichloropropane	9.01	76	41141	21.711	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	13309	128.828	ug/l	100
59) 2-Hexanone	9.64	43	110293	112.357	ug/l	100
60) Dibromochloromethane	8.87	129	41511	21.367	ug/l	99
61) 1,2-Dibromoethane	9.15	107	29779	22.450	ug/l	91
64) Tetrachloroethene	8.32	164	32409	21.482	ug/l	88
65) Chlorobenzene	9.96	112	82165	21.026	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	38636	21.489	ug/l	92
67) Ethyl Benzene	10.05	91	150497	21.212	ug/l	97
68) m/p-Xylenes	10.28	106	102624	41.747	ug/l	98
69) o-Xylene	10.84	106	53928	21.399	ug/l	91
70) Styrene	10.91	104	84762	20.994	ug/l	97
71) Bromoform	10.90	173	28131	21.164	ug/l	99
73) Isopropylbenzene	11.24	105	172810	21.576	ug/l	99
74) N-amyl acetate	11.47	43	49776	21.901	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	34726	22.082	ug/l	91
76) 1,2,3-Trichloropropane	11.89	75	30127	21.630	ug/l	96
77) Bromobenzene	11.60	156	46440	20.790	ug/l	99
78) n-propylbenzene	11.69	91	207295	20.848	ug/l	97
79) 2-Chlorotoluene	11.82	91	124617	20.629	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	151368	20.903	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	16567	28.180	ug/l	97
82) 4-Chlorotoluene	12.00	91	141937	21.471	ug/l	98
83) tert-Butylbenzene	12.22	119	149728	21.045	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	160178	21.007	ug/l	99
85) sec-Butylbenzene	12.39	105	194144	20.643	ug/l	96
86) p-Isopropyltoluene	12.55	119	175612	21.112	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	90067	21.123	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	88496	21.199	ug/l	98
89) n-Butylbenzene	12.92	91	169155	21.046	ug/l	96
90) Hexachloroethane	13.00	117	39796	21.239	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	89183	21.852	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9194	21.141	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081718\
Quantitation Report (Not Reviewed)

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Operator : VA/AP
Sample : VF0817SBS01
Misc : 5.00g/5mL/MSVOA_F/SOIL
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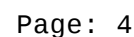
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

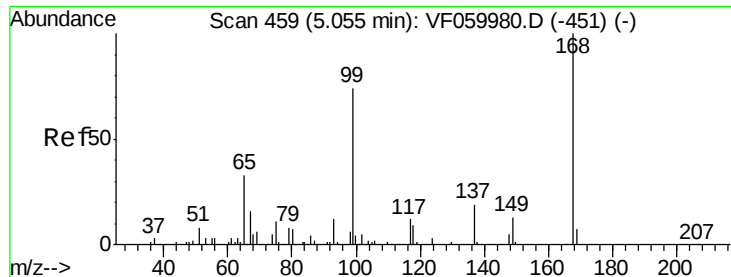
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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	70088	21.046	ug/l	95
94) Hexachlorobutadiene	14.26	225	47241	21.176	ug/l	91
95) Naphthalene	14.53	128	94449	20.149	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	67157	20.915	ug/l	99

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

Quant Time: Aug 18 01:25:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

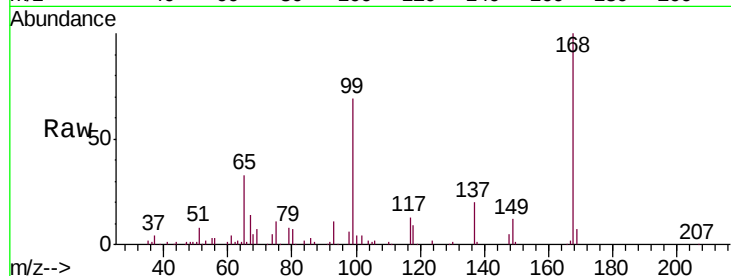
VF0817SBS01

Tgt Ion:168 Resp: 132820

Ion Ratio Lower Upper

168 100

99 68.9 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

30000

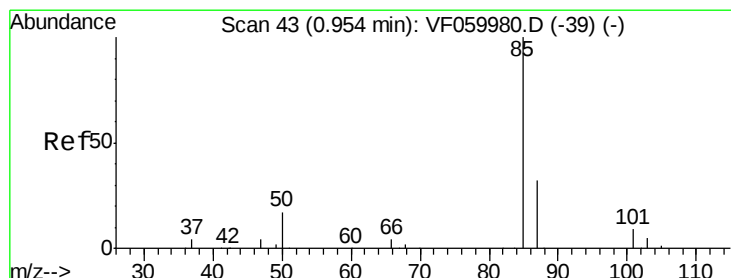
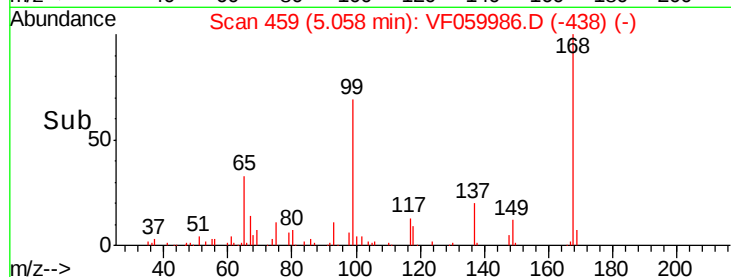
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 20.845 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF059986.D

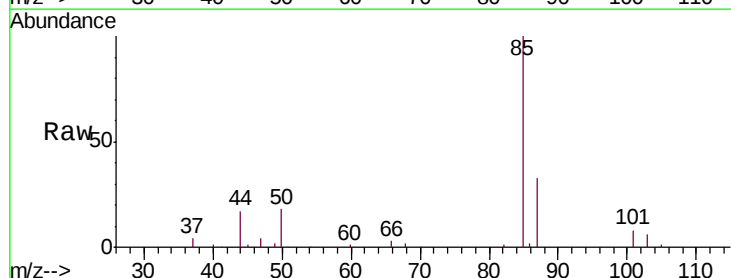
Acq: 17 Aug 2018 22:13

Tgt Ion: 85 Resp: 46962

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

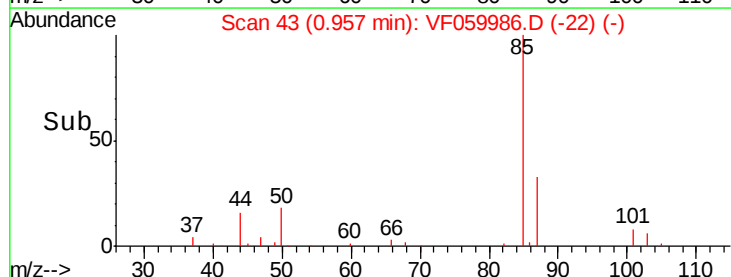
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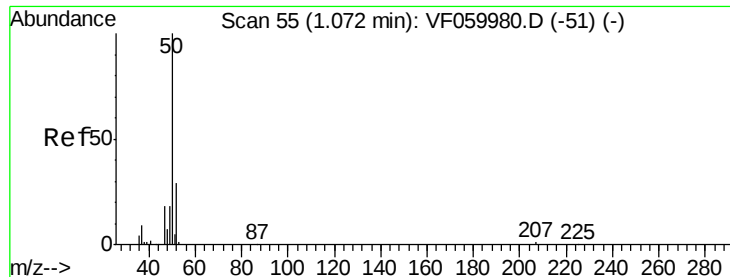
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0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 24.509 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

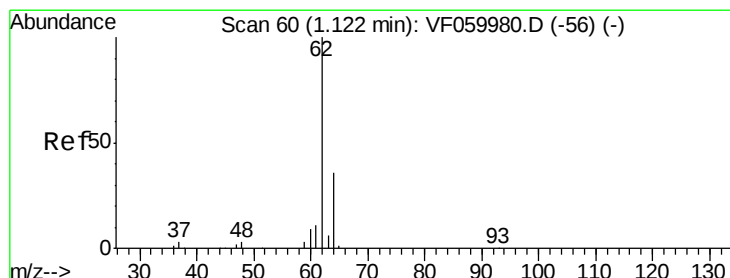
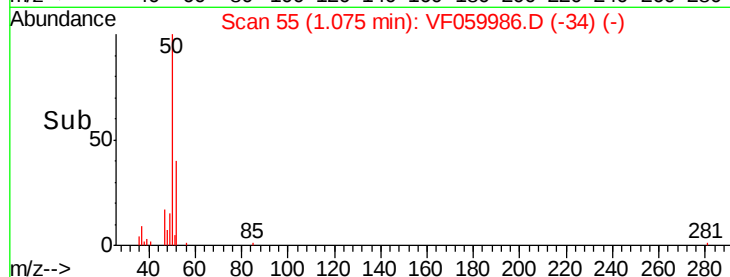
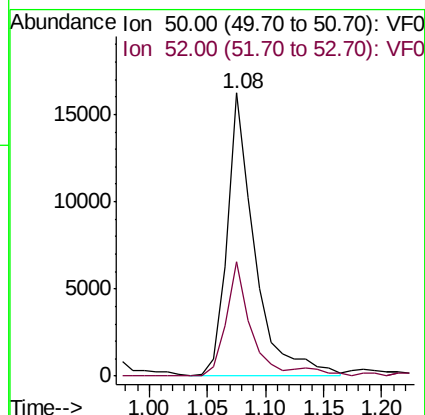
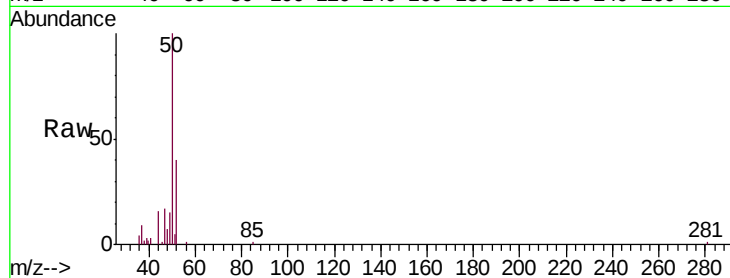
VF0817SBS01

Tgt Ion: 50 Resp: 26809

Ion Ratio Lower Upper

50 100

52 40.4 23.6 35.4#



#4

Vinyl Chloride

Concen: 23.945 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059986.D

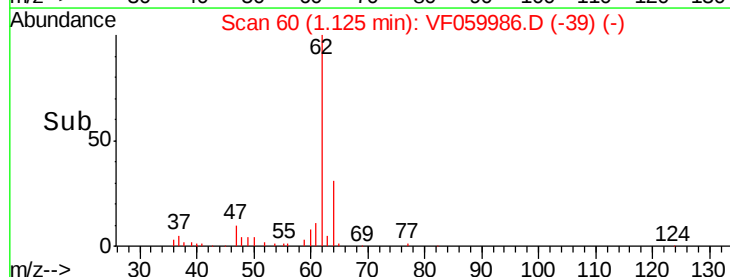
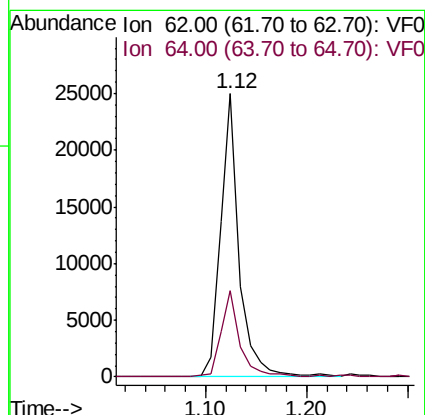
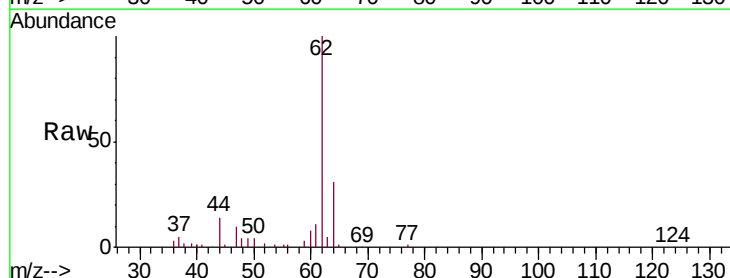
Acq: 17 Aug 2018 22:13

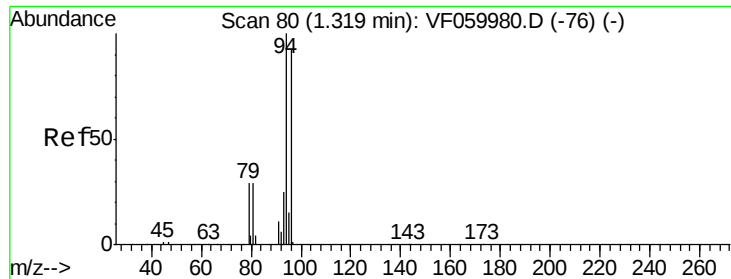
Tgt Ion: 62 Resp: 32213

Ion Ratio Lower Upper

62 100

64 30.6 28.7 43.1





#5

Bromomethane

Concen: 21.295 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

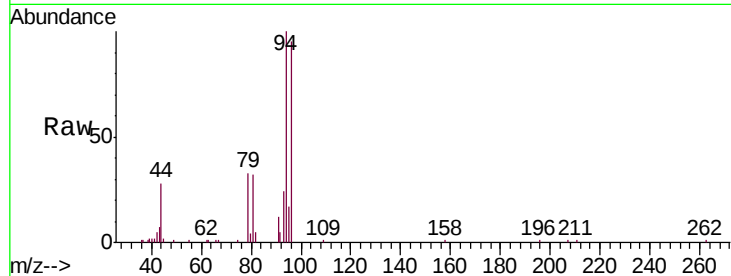
VF0817SBS01

Tgt Ion: 94 Resp: 26114

Ion Ratio Lower Upper

94 100

96 94.6 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

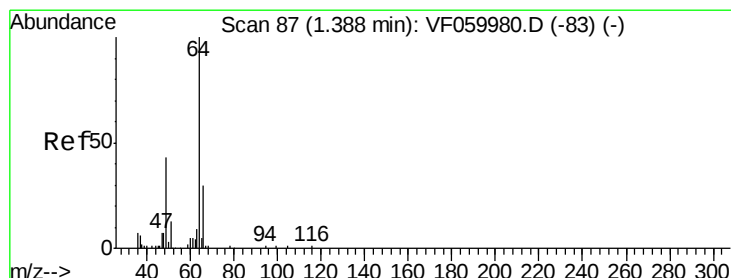
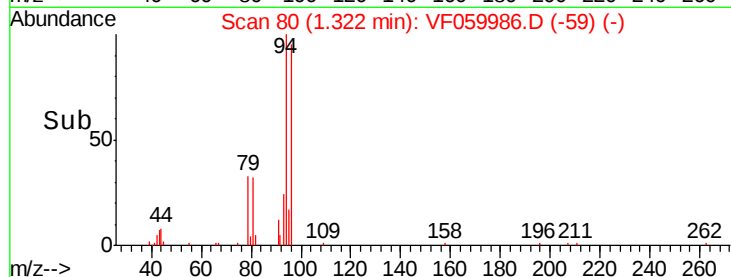
10000

5000

0

1.25 1.30 1.35 1.40

Time-->



#6

Chloroethane

Concen: 19.863 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059986.D

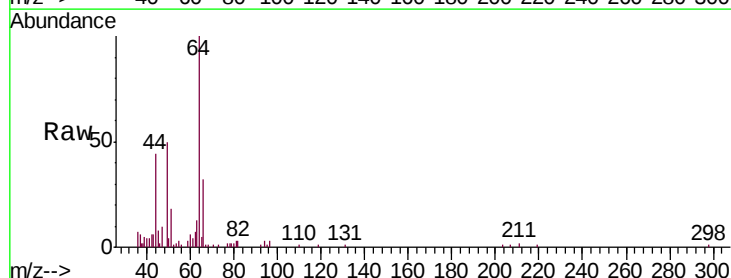
Acq: 17 Aug 2018 22:13

Tgt Ion: 64 Resp: 13874

Ion Ratio Lower Upper

64 100

66 32.4 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

12000

10000

8000

6000

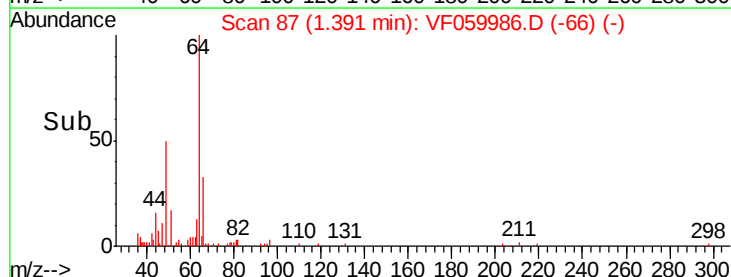
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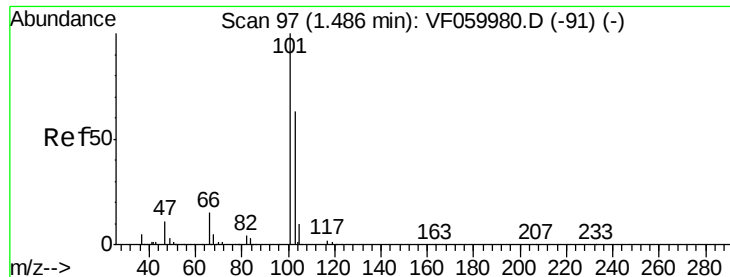
2000

0

1.30 1.35 1.40 1.45

Time-->



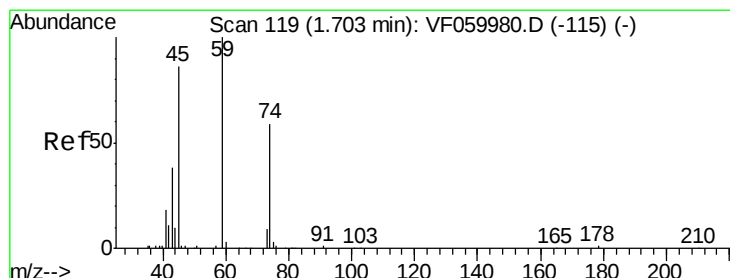
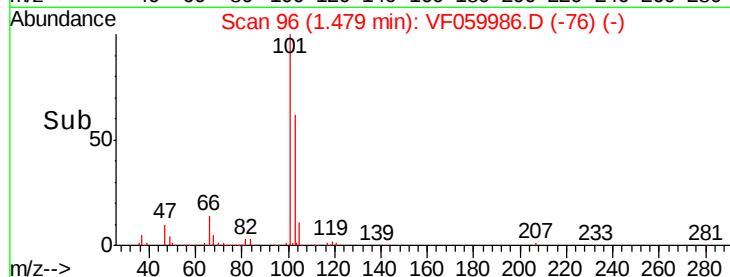
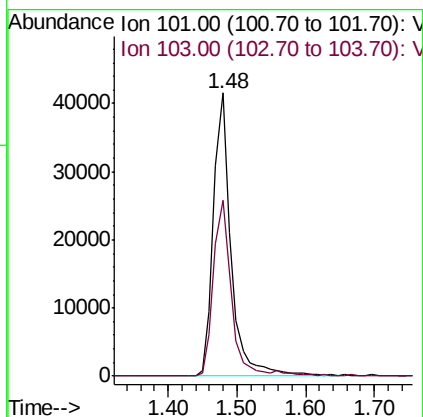
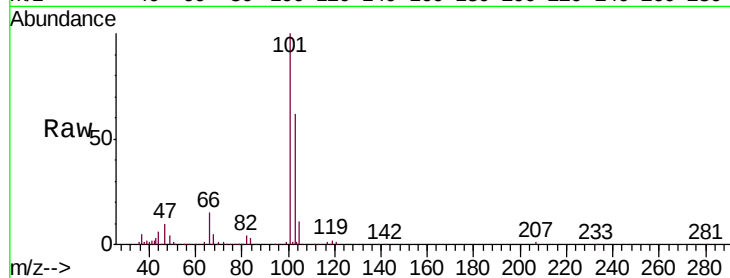


#7

Trichlorofluoromethane
 Concen: 19.185 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF059986.D
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 VF0817SBS01

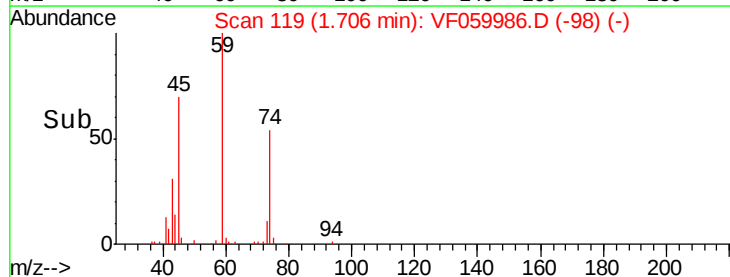
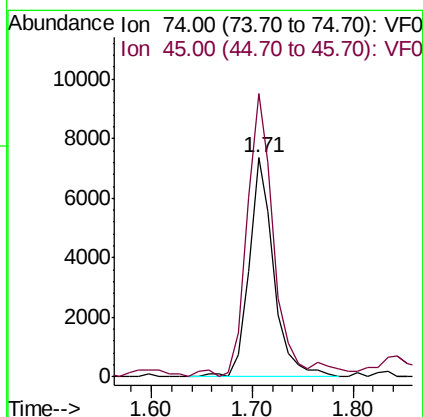
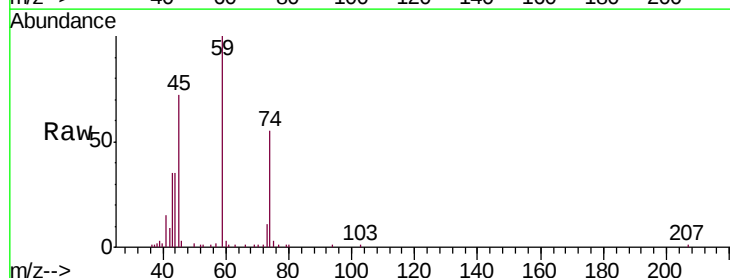
Tgt Ion:101 Resp: 74070
 Ion Ratio Lower Upper
 101 100
 103 62.2 50.8 76.2

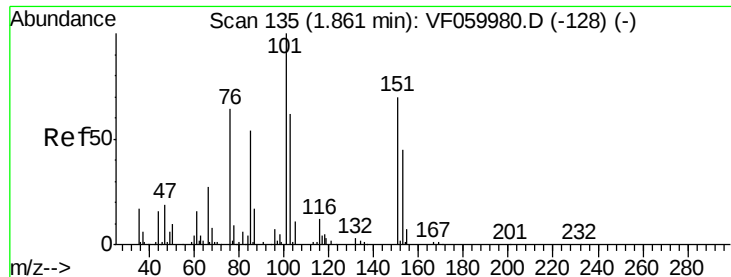


#8

Diethyl Ether
 Concen: 22.093 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion: 74 Resp: 12585
 Ion Ratio Lower Upper
 74 100
 45 129.3 73.5 220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.373 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

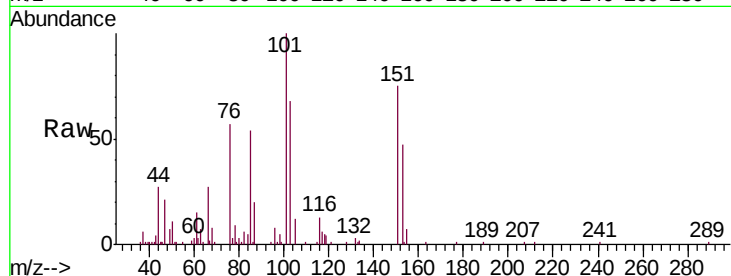
Tgt Ion:101 Resp: 36881

Ion Ratio Lower Upper

101 100

85 54.1 43.0 64.6

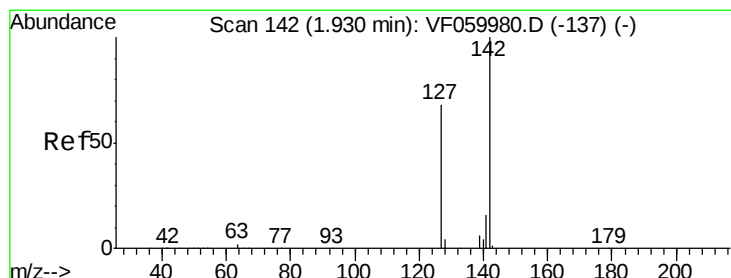
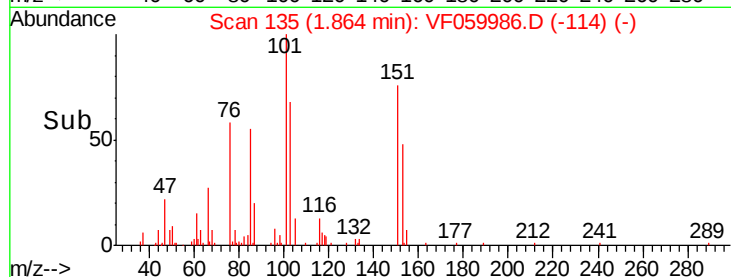
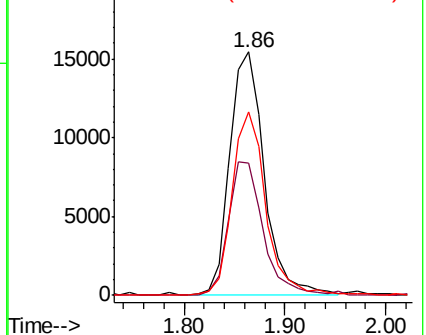
151 75.3 56.2 84.2



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: 23.237 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

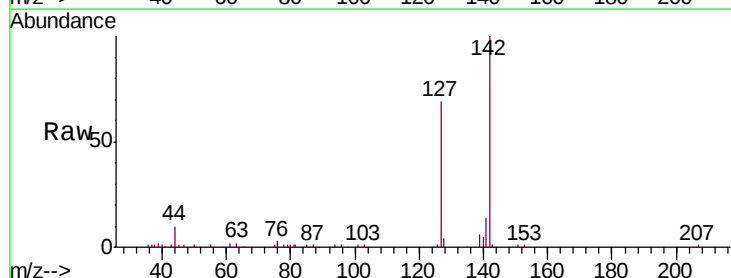
Tgt Ion:142 Resp: 53076

Ion Ratio Lower Upper

142 100

127 68.7 54.1 81.1

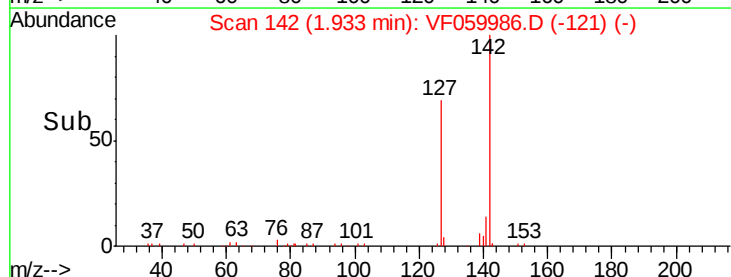
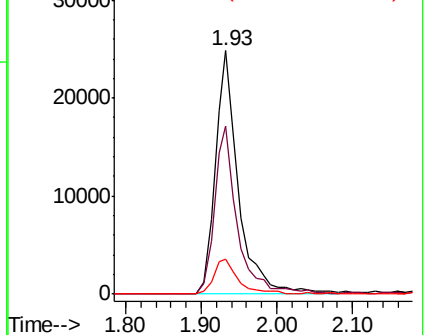
141 14.3 12.5 18.7

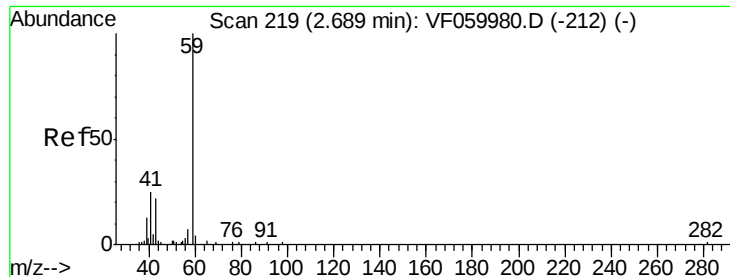


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

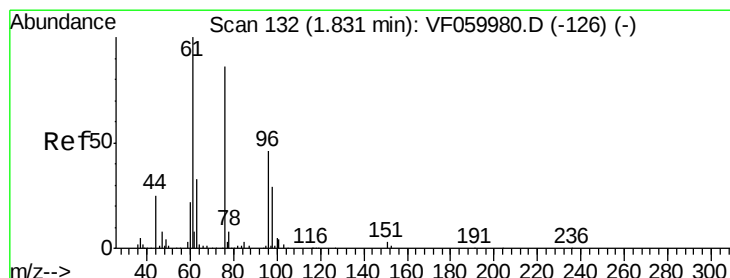
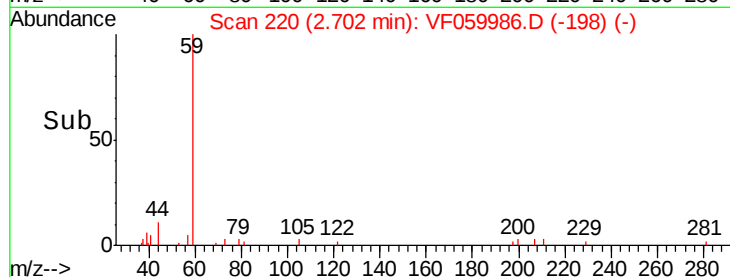
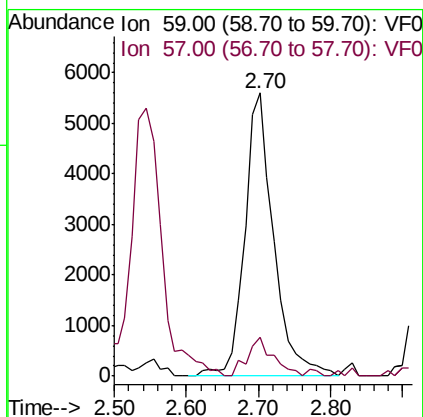
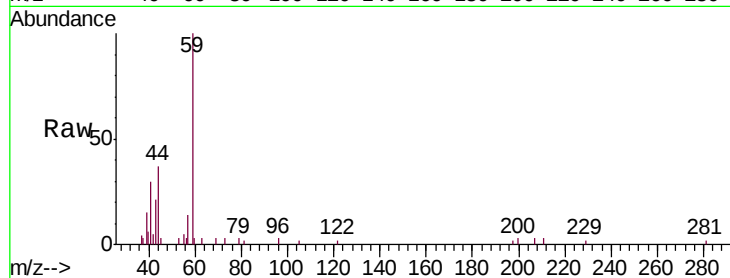




#11
Tert butyl alcohol
Concen: 104.688 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

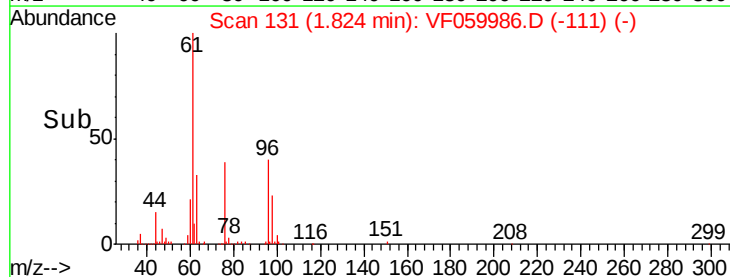
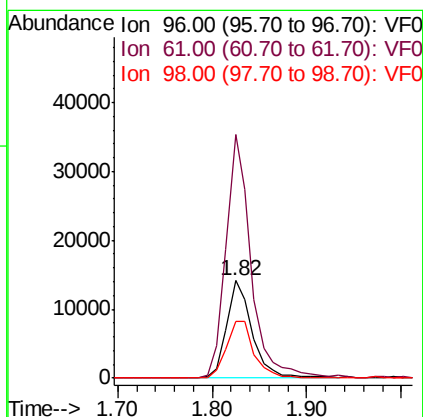
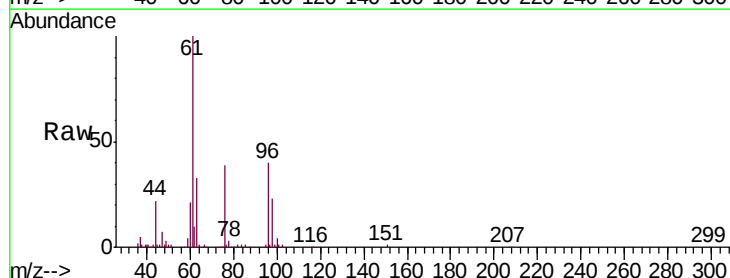
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

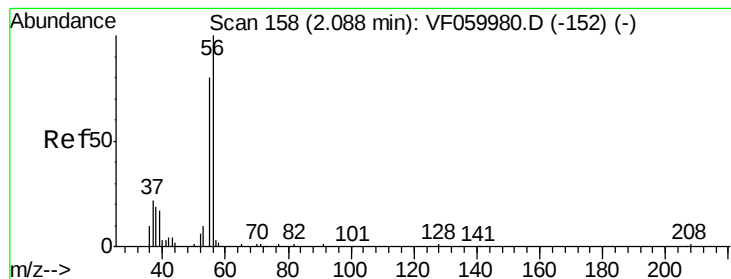
Tgt Ion: 59 Resp: 15642
Ion Ratio Lower Upper
59 100
57 13.8 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 21.247 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 96 Resp: 26524
Ion Ratio Lower Upper
96 100
61 250.4 175.6 263.4
98 58.4 50.6 75.8





#13

Acrolein

Concen: 80.436 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

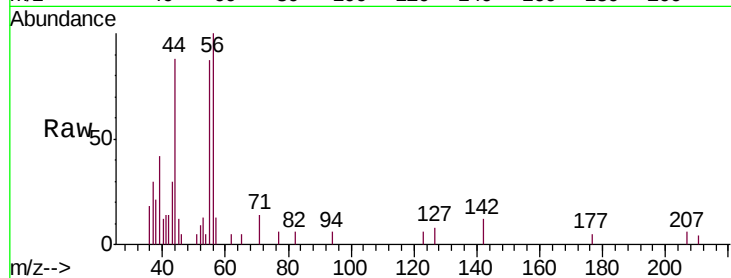
VF0817SBS01

Tgt Ion: 56 Resp: 5729

Ion Ratio Lower Upper

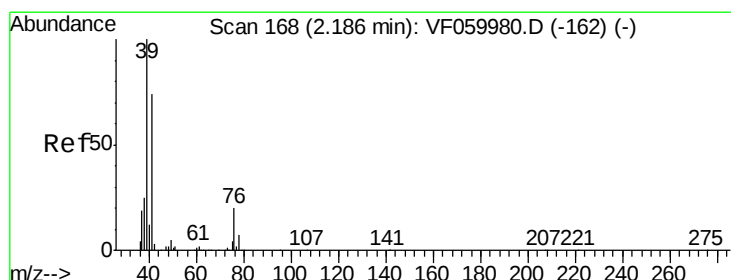
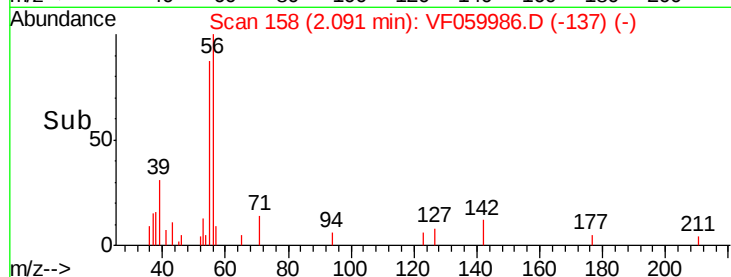
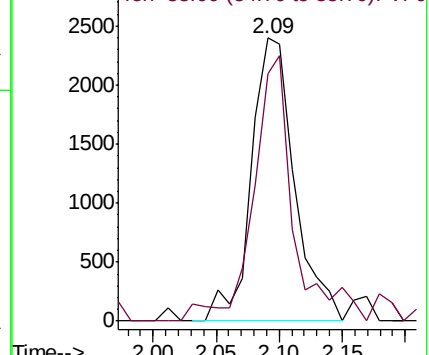
56 100

55 87.5 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.203 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

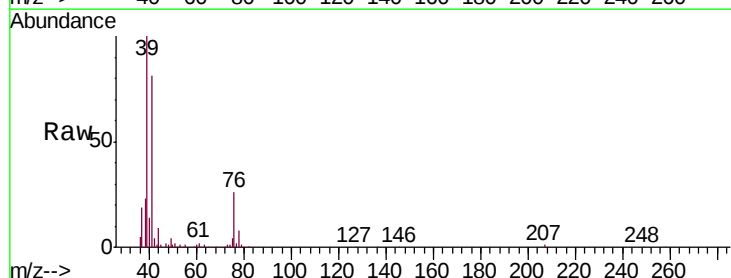
Tgt Ion: 41 Resp: 44912

Ion Ratio Lower Upper

41 100

39 123.4 109.3 163.9

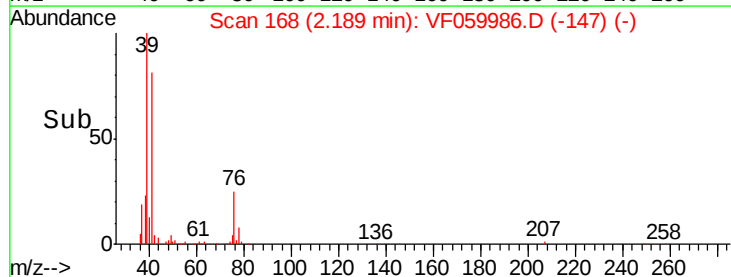
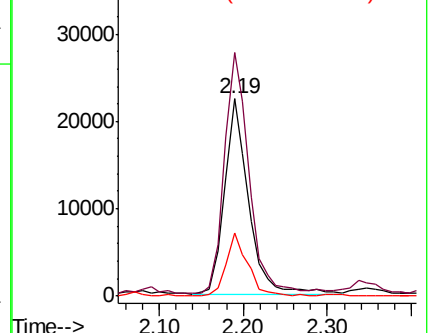
76 31.9 21.3 31.9

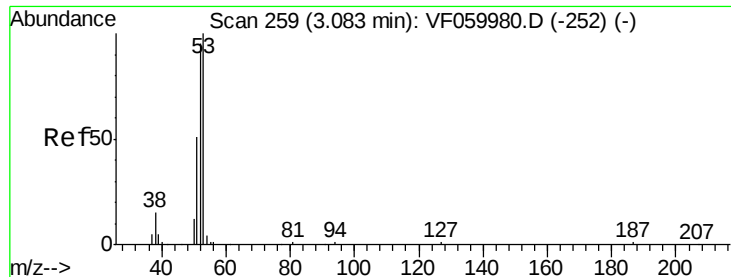


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 116.437 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

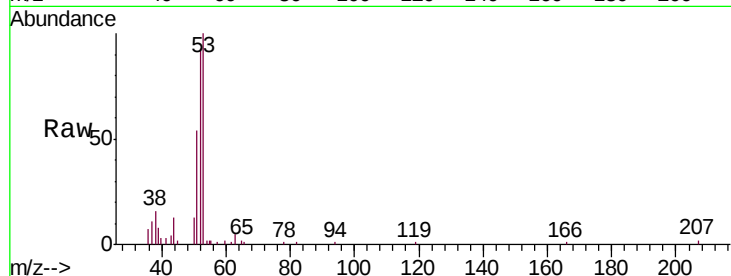
Tgt Ion: 53 Resp: 28131

Ion Ratio Lower Upper

53 100

52 93.3 76.0 114.0

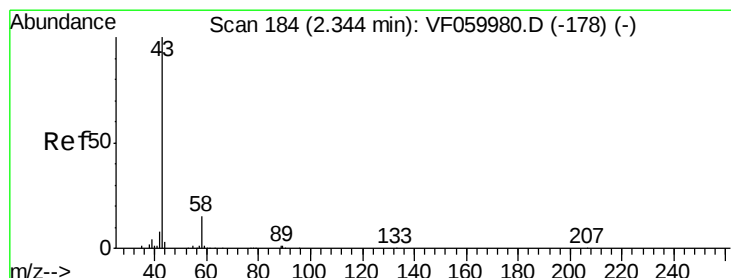
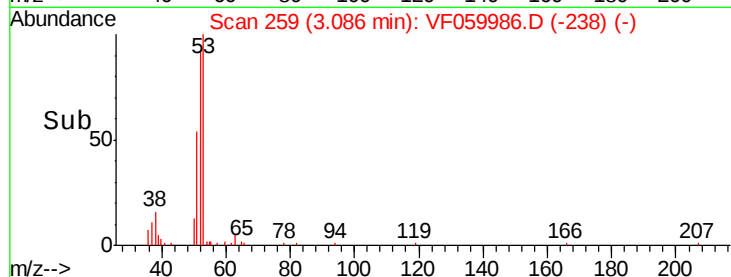
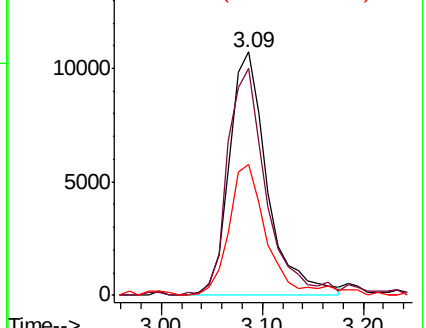
51 53.8 41.9 62.9



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: 100.692 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059986.D

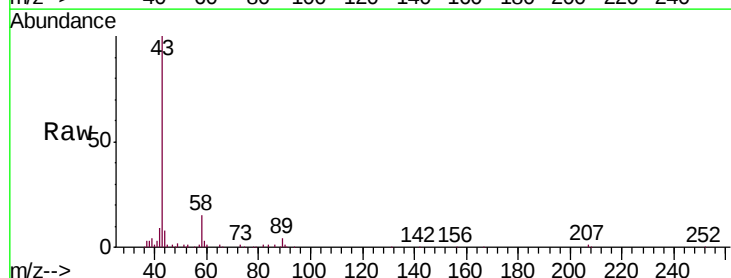
Acq: 17 Aug 2018 22:13

Tgt Ion: 43 Resp: 76281

Ion Ratio Lower Upper

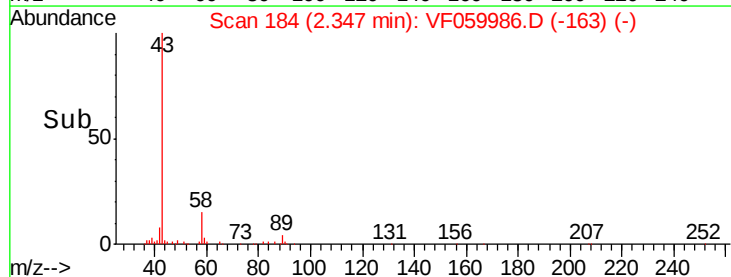
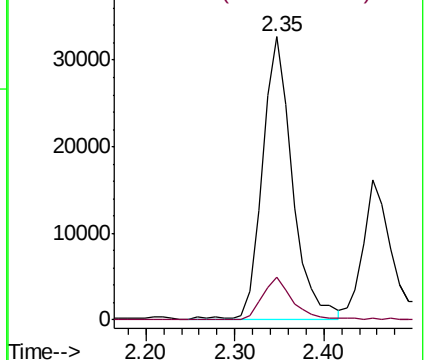
43 100

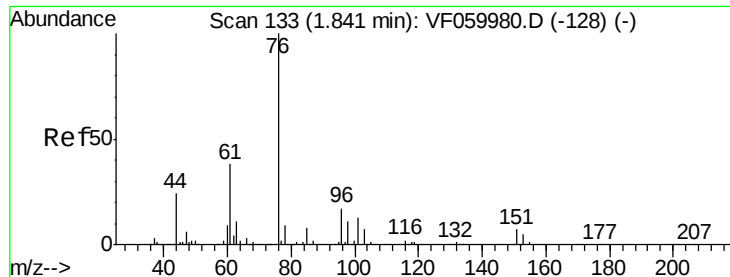
58 15.3 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

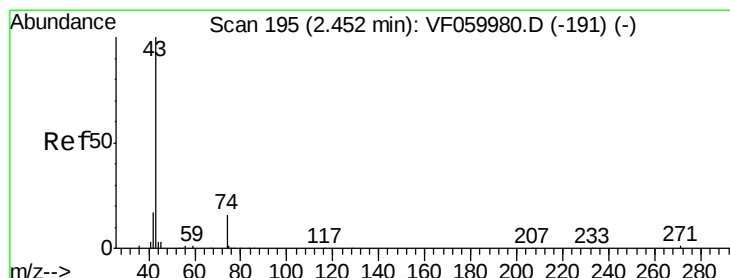
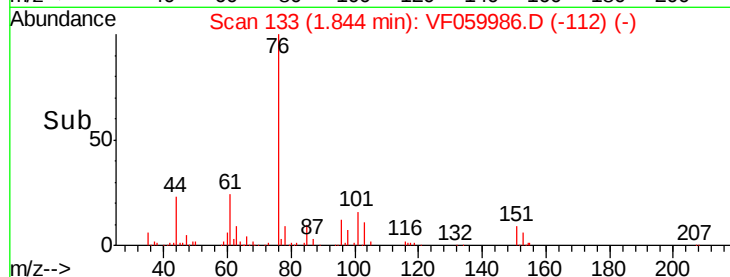
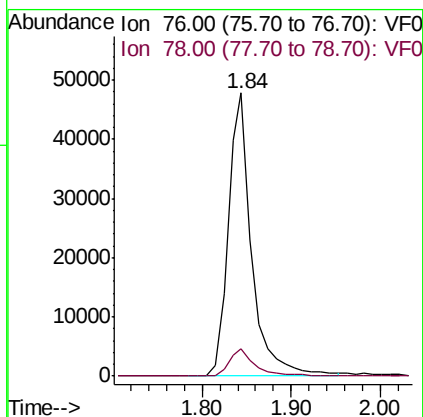
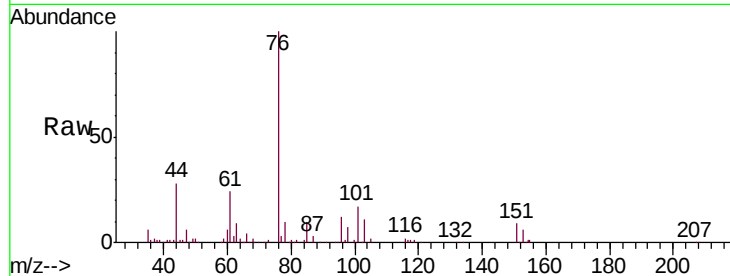




#17
Carbon Disulfide
Concen: 22.271 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

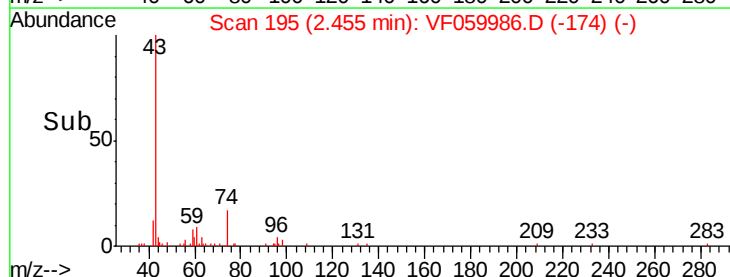
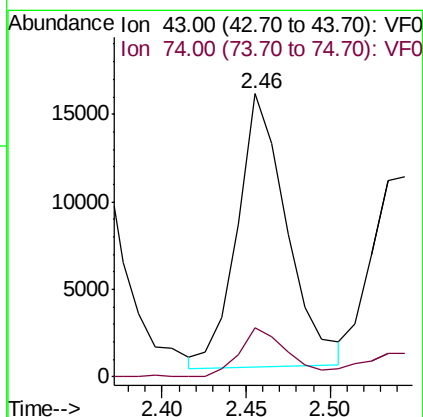
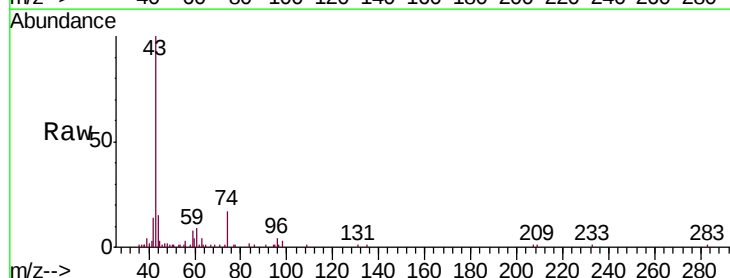
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

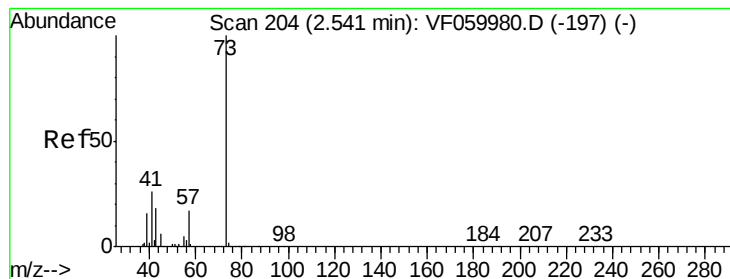
Tgt Ion: 76 Resp: 88371
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 22.715 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 43 Resp: 31969
Ion Ratio Lower Upper
43 100
74 17.3 12.3 18.5



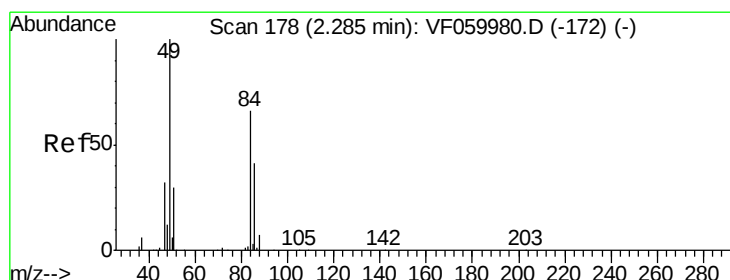
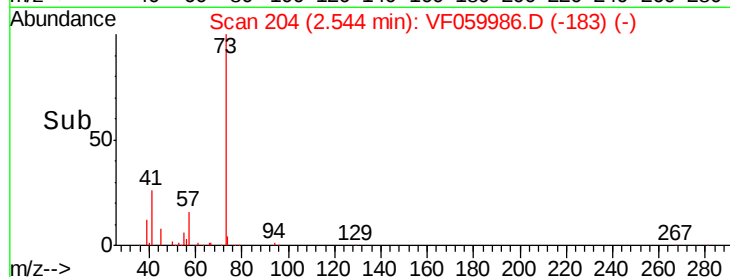
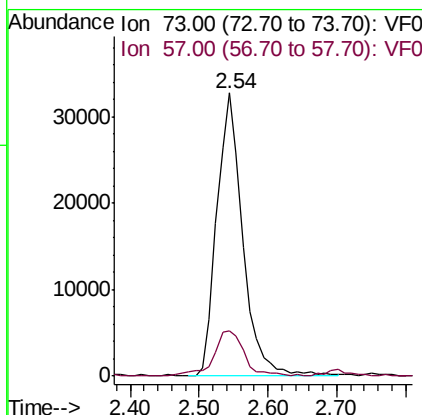
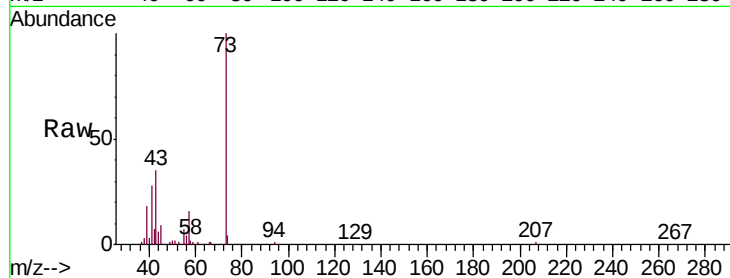


#19

Methyl tert-butyl Ether
 Concen: 20.878 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

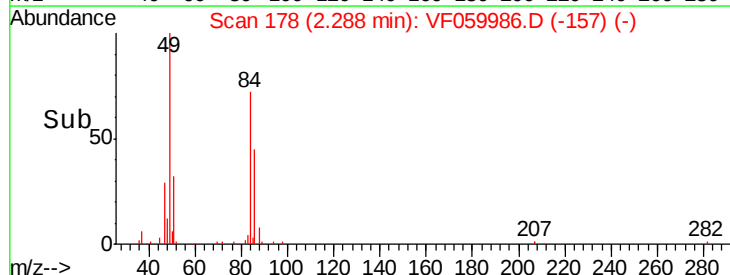
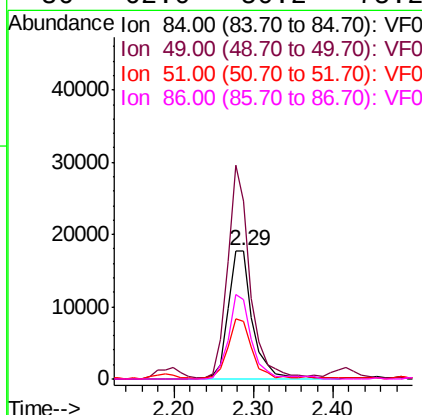
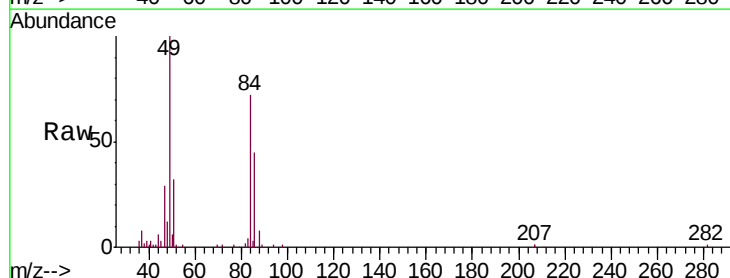
Tgt Ion: 73 Resp: 85779
 Ion Ratio Lower Upper
 73 100
 57 16.2 14.2 21.2

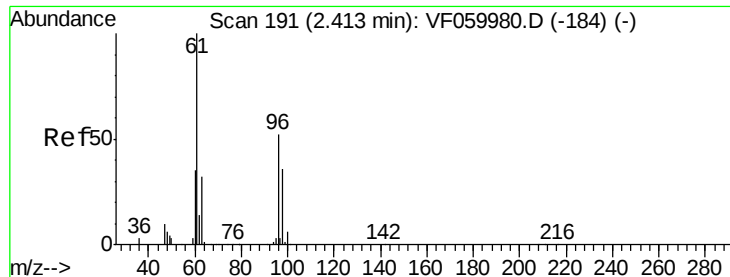


#20

Methylene Chloride
 Concen: 24.971 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion: 84 Resp: 38413
 Ion Ratio Lower Upper
 84 100
 49 138.7 122.5 183.7
 51 44.7 37.1 55.7
 86 62.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

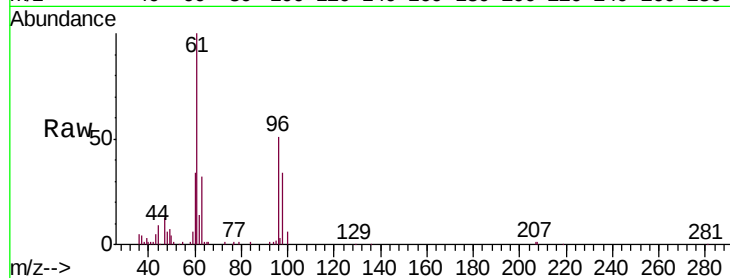
Tgt Ion: 96 Resp: 27255

Ion Ratio Lower Upper

96 100

61 196.4 153.0 229.4

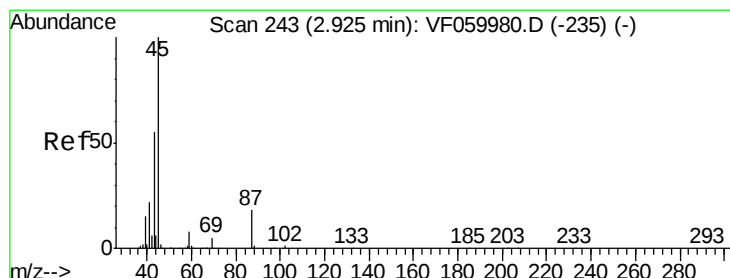
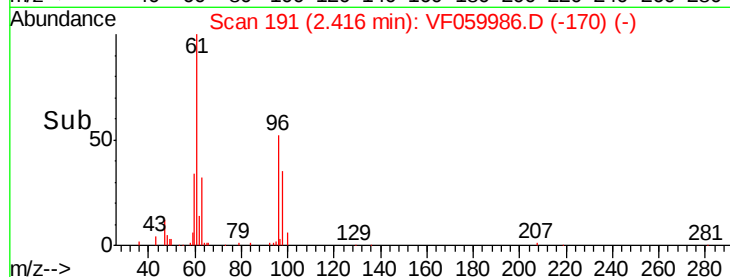
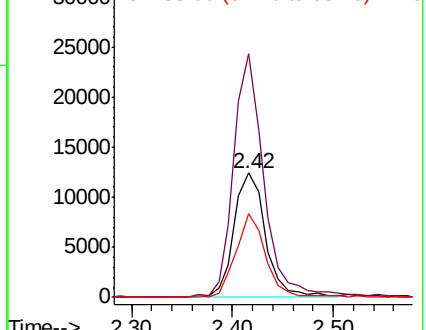
98 67.7 55.5 83.3



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: 20.788 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion: 45 Resp: 94168

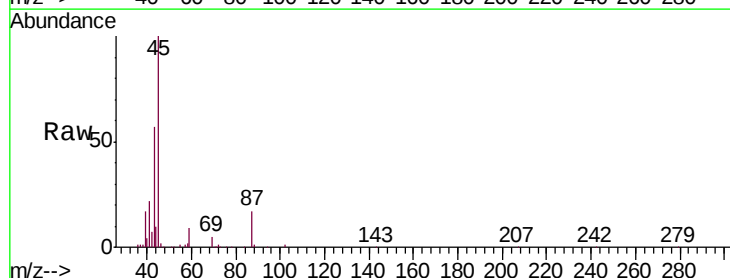
Ion Ratio Lower Upper

45 100

43 56.7 44.8 67.2

87 17.0 14.6 21.8

59 9.5 6.8 10.2

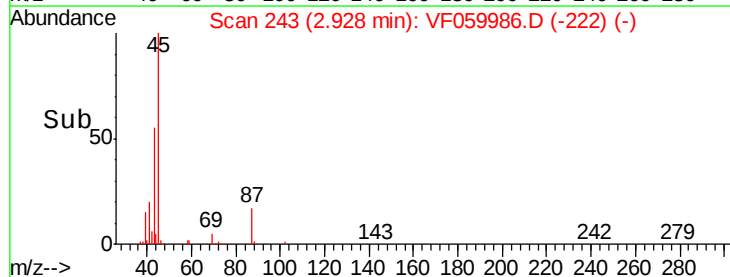
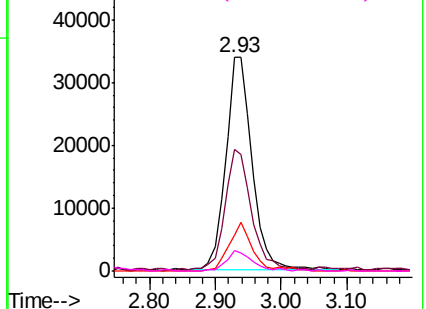


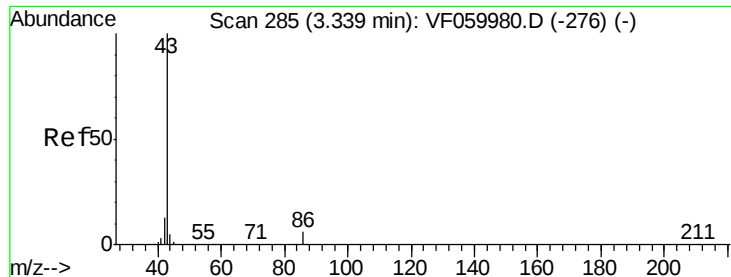
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 109.723 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

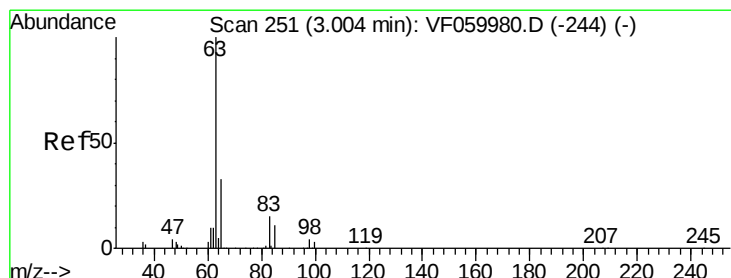
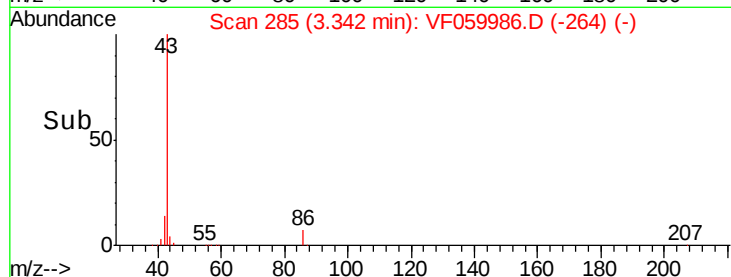
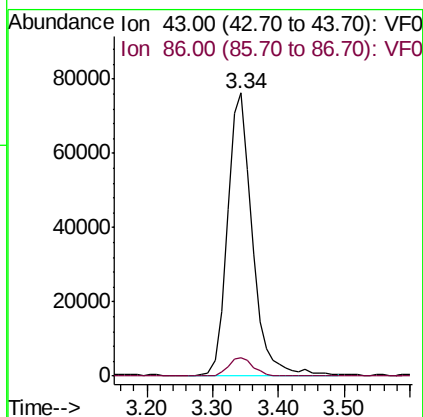
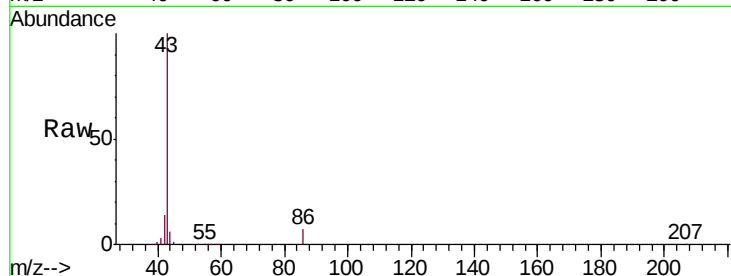
VF0817SBS01

Tgt Ion: 43 Resp: 200137

Ion Ratio Lower Upper

43 100

86 6.7 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 20.422 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

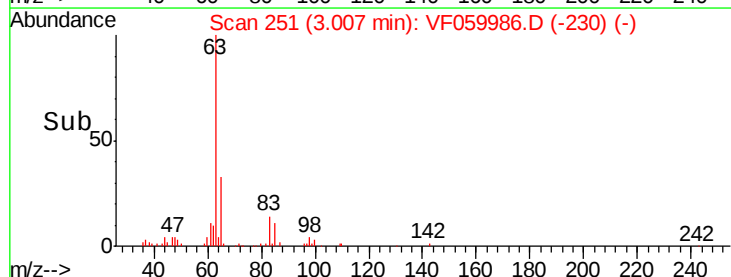
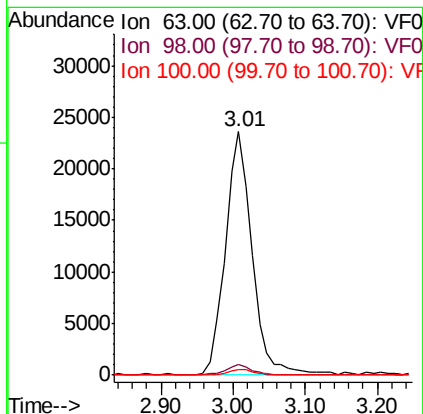
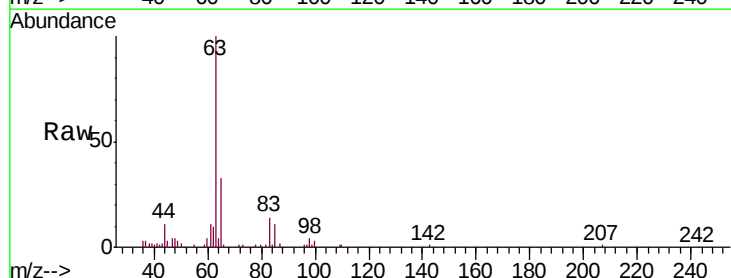
Tgt Ion: 63 Resp: 60679

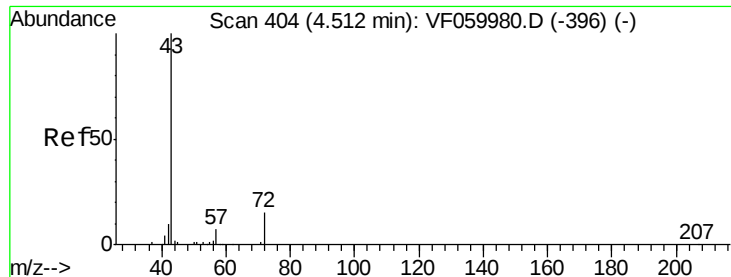
Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 111.091 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

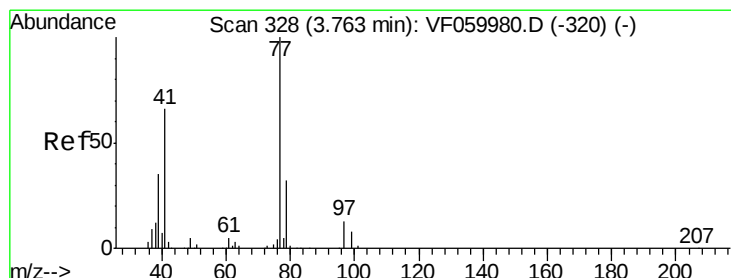
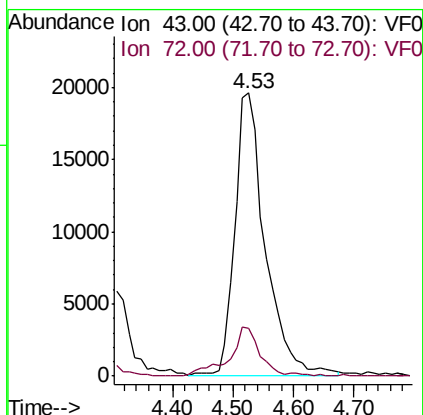
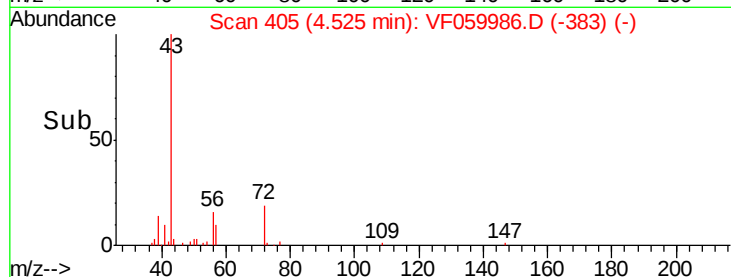
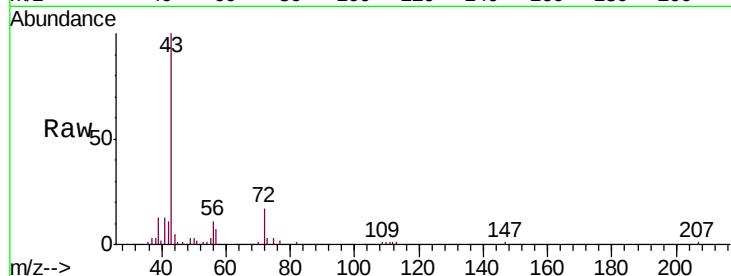
VF0817SBS01

Tgt Ion: 43 Resp: 68853

Ion Ratio Lower Upper

43 100

72 17.0 12.5 18.7



#26

2,2-Dichloropropane

Concen: 18.703 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059986.D

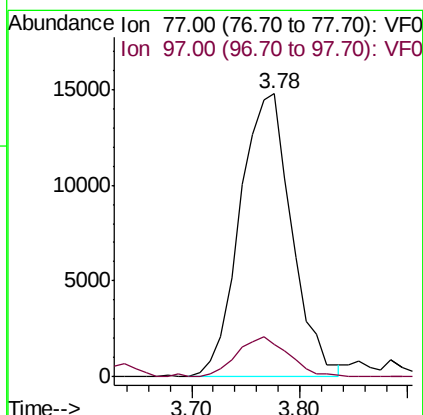
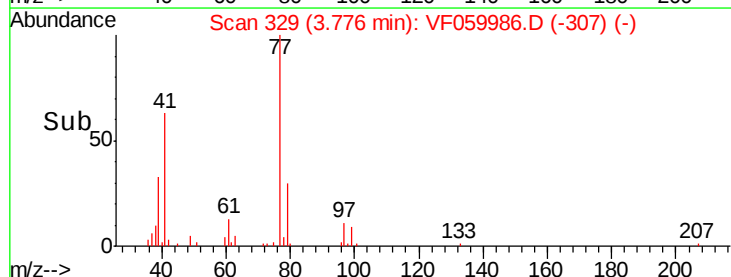
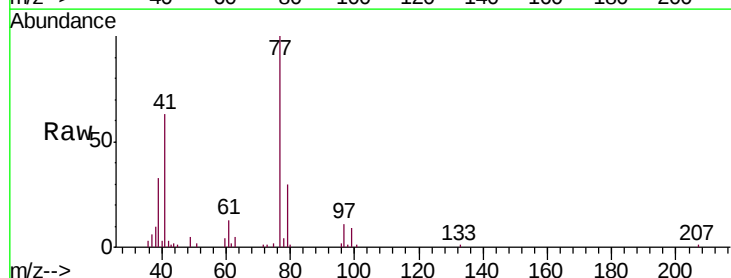
Acq: 17 Aug 2018 22:13

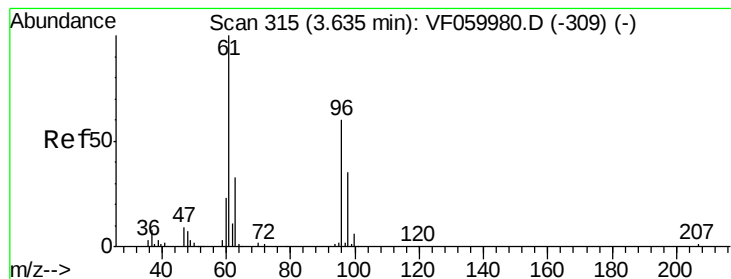
Tgt Ion: 77 Resp: 49228

Ion Ratio Lower Upper

77 100

97 11.3 6.7 20.0



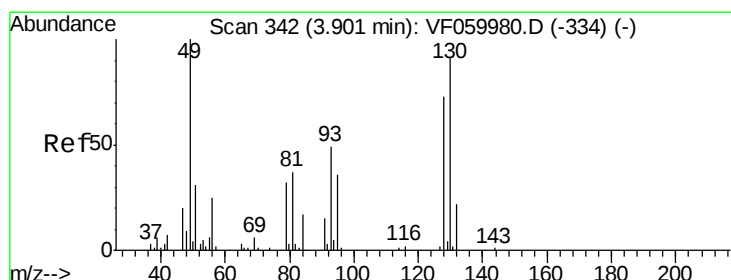
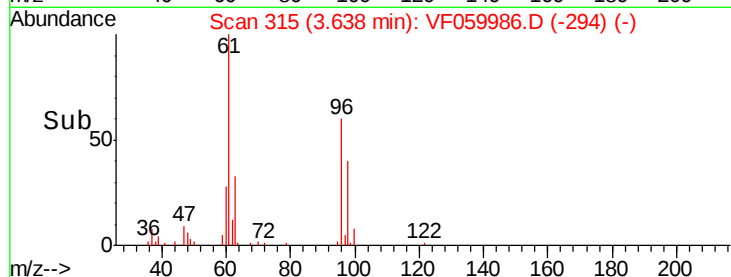
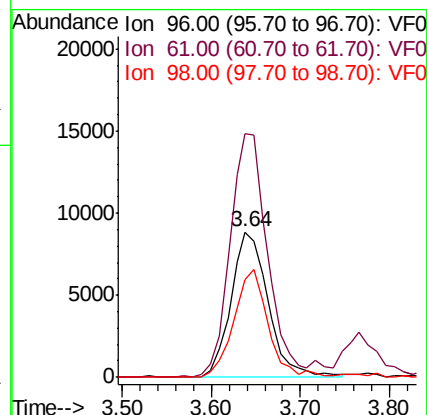
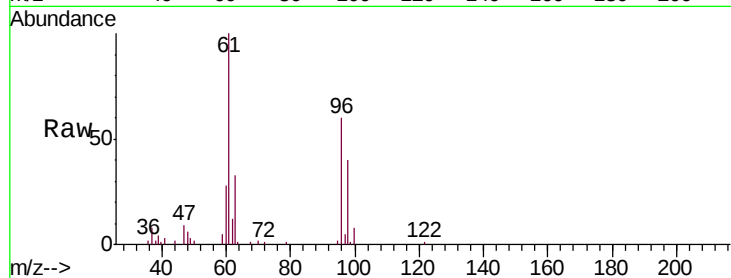


#27

cis-1,2-Dichloroethene
 Concen: 21.090 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

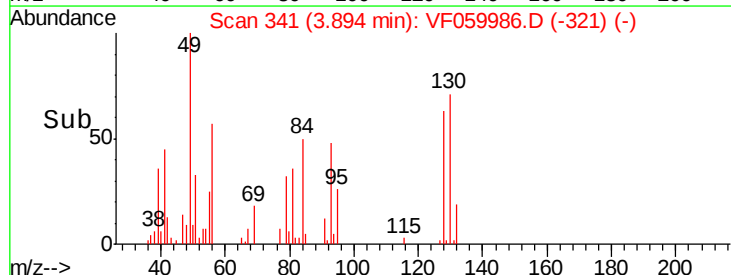
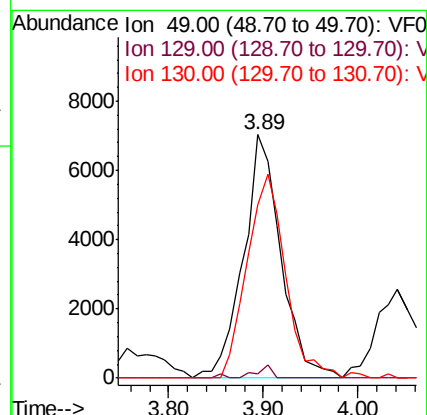
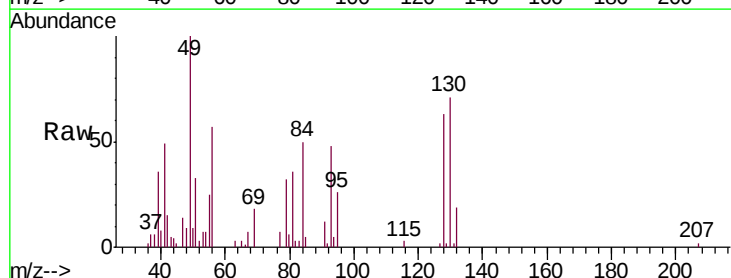
Tgt Ion	Resp	Lower	Upper
96	25846		
61	167.5	0.0	335.0
98	69.7	0.0	117.2

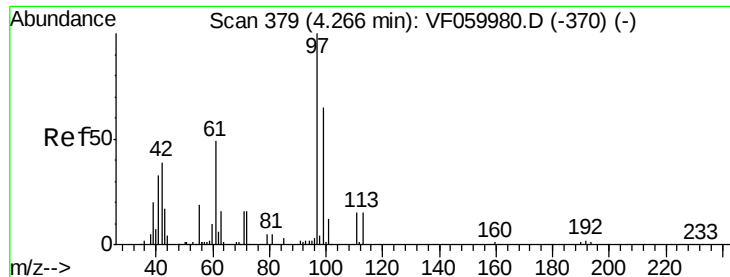


#28

Bromochloromethane
 Concen: 22.797 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Resp	Lower	Upper
49	19434		
129	1.6	0.0	7.6
130	70.9	71.3	106.9#





#29

Tetrahydrofuran

Concen: 114.491 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

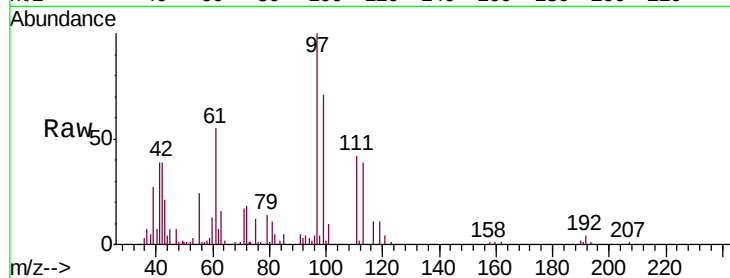
Tgt Ion: 42 Resp: 25325

Ion Ratio Lower Upper

42 100

72 38.7 29.8 44.6

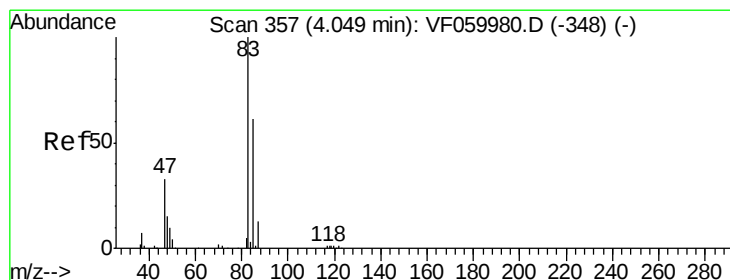
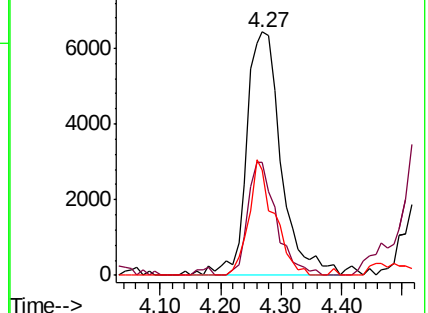
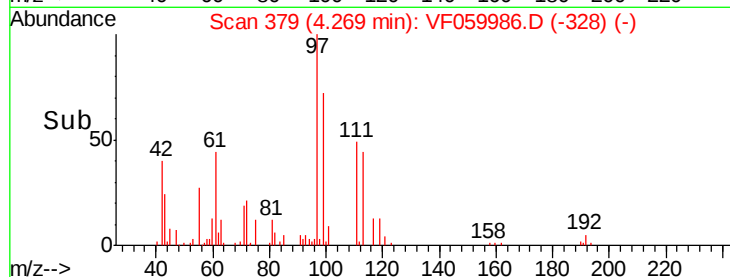
71 35.1 29.0 43.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.290 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF059986.D

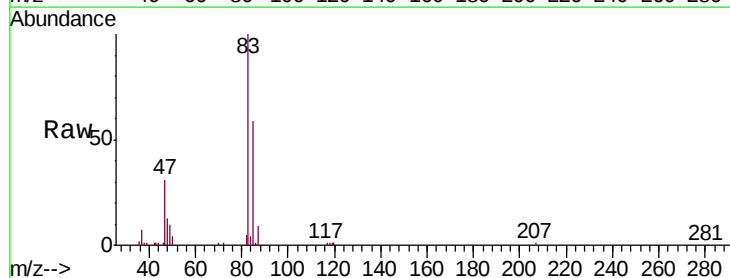
Acq: 17 Aug 2018 22:13

Tgt Ion: 83 Resp: 73134

Ion Ratio Lower Upper

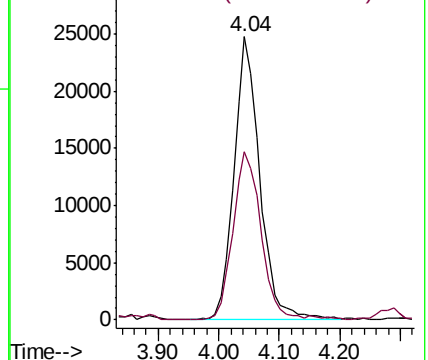
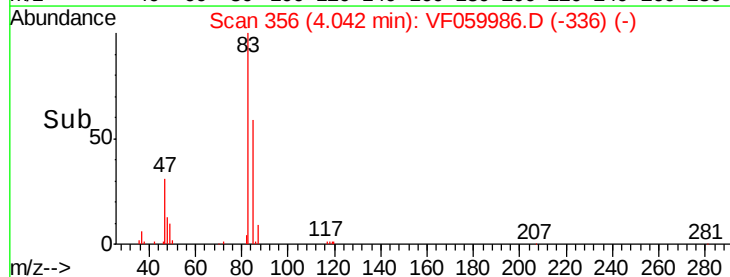
83 100

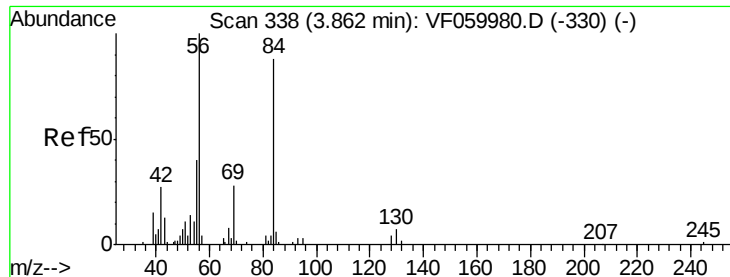
85 59.4 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.445 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

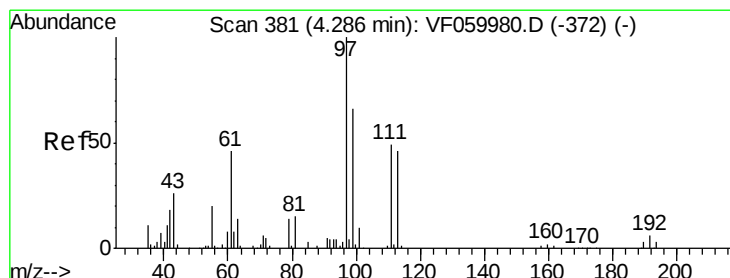
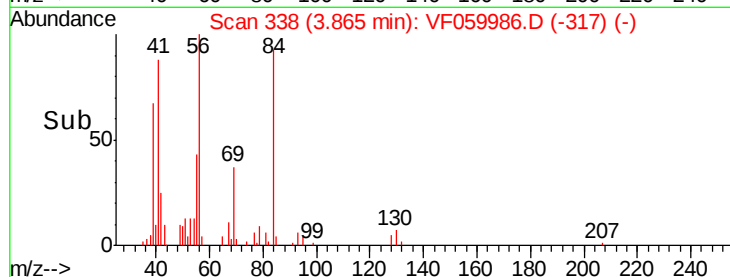
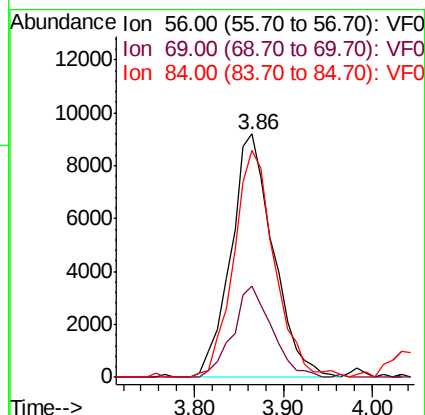
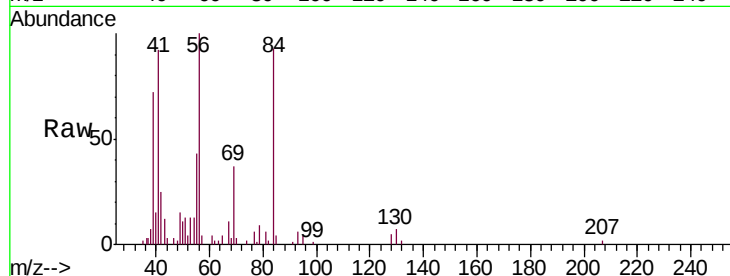
Tgt Ion: 56 Resp: 30528

Ion Ratio Lower Upper

56 100

69 37.5 22.8 34.2#

84 93.2 70.7 106.1



#32

1,1,1-Trichloroethane

Concen: 20.481 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

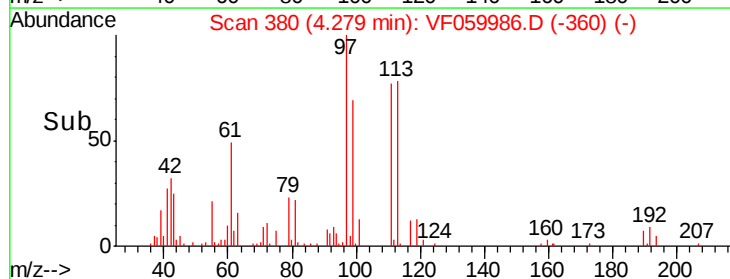
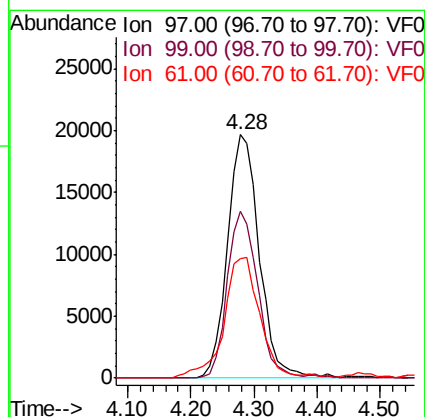
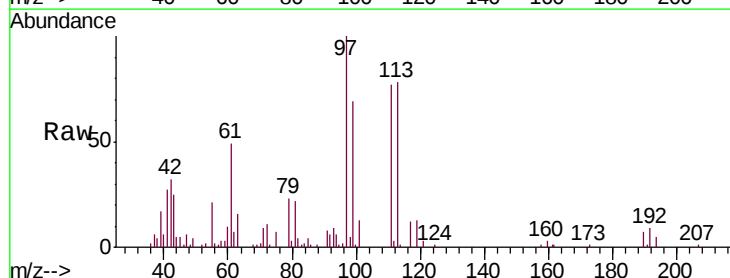
Tgt Ion: 97 Resp: 68659

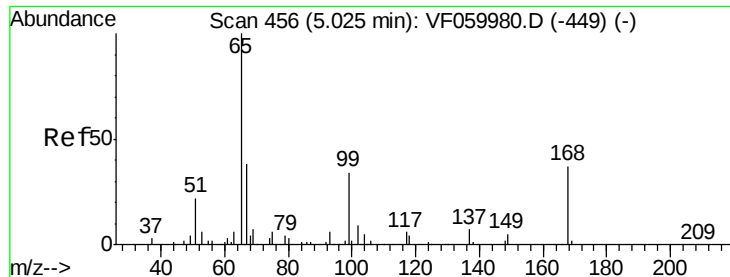
Ion Ratio Lower Upper

97 100

99 68.5 53.1 79.7

61 48.8 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 48.612 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

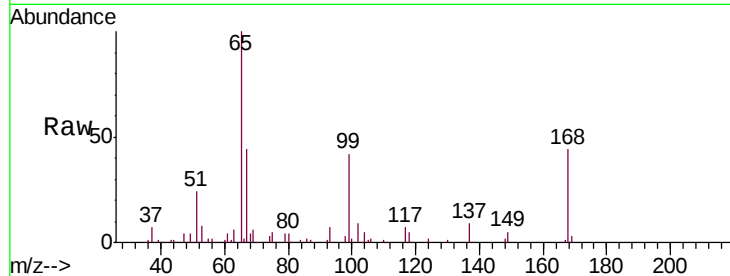
VF0817SBS01

Tgt Ion: 65 Resp: 124632

Ion Ratio Lower Upper

65 100

67 43.8 0.0 82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

40000

30000

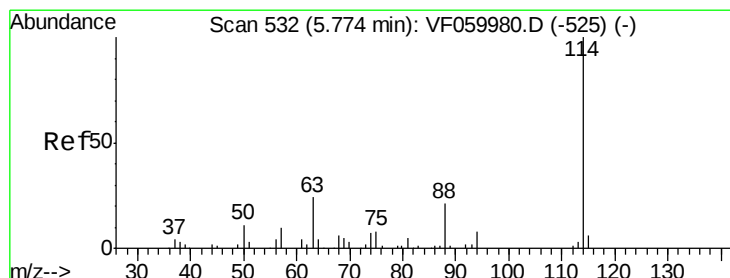
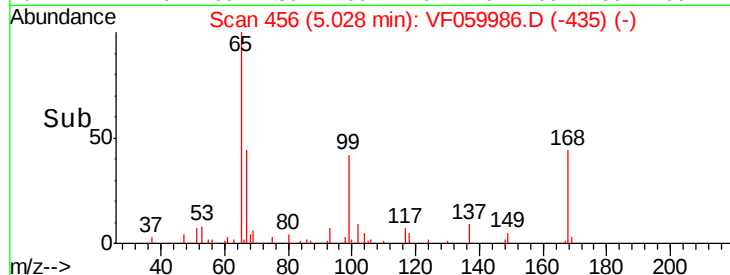
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

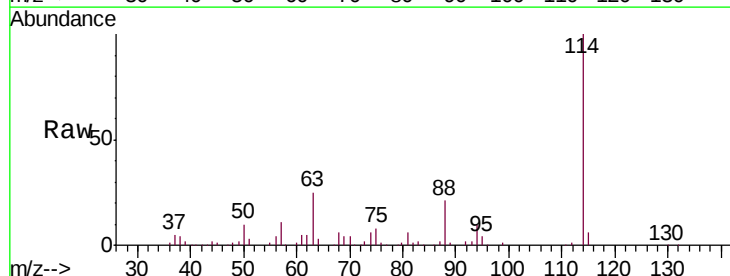
Tgt Ion: 114 Resp: 183670

Ion Ratio Lower Upper

114 100

63 25.3 0.0 48.6

88 20.7 0.0 42.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.78

80000

60000

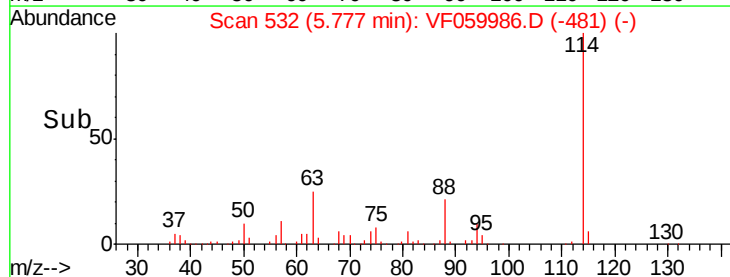
40000

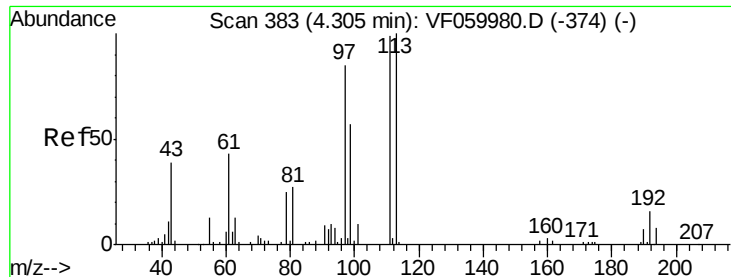
20000

0

5.60 5.70 5.80 5.90 6.00

Time-->





#35

Dibromofluoromethane

Concen: 48.890 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

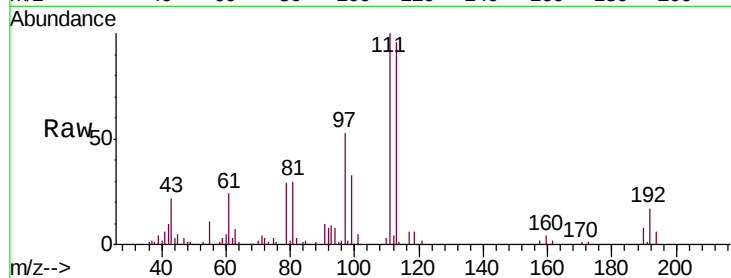
Tgt Ion:113 Resp: 91773

Ion Ratio Lower Upper

113 100

111 103.6 79.5 119.3

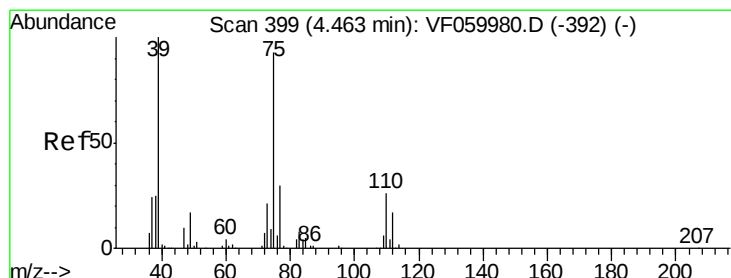
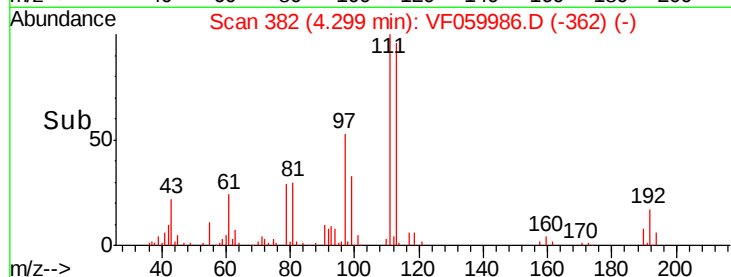
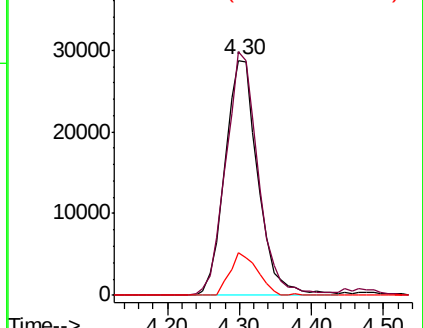
192 18.1 12.4 18.6



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: 20.470 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

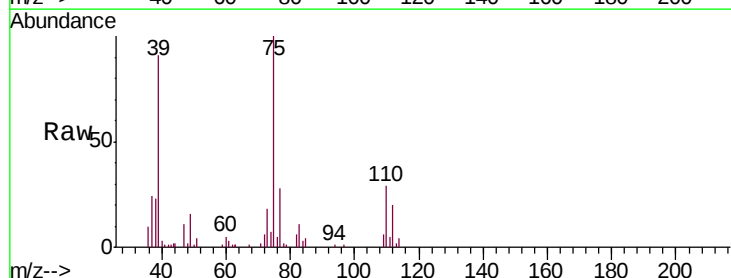
Tgt Ion: 75 Resp: 42822

Ion Ratio Lower Upper

75 100

110 28.6 13.8 41.4

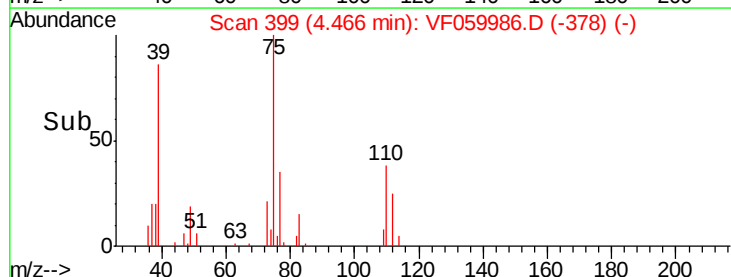
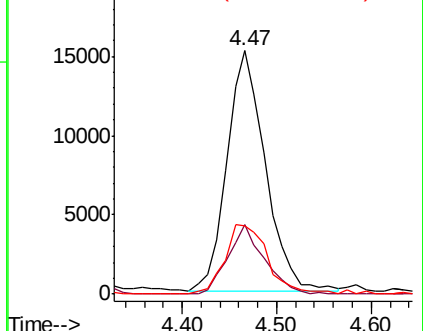
77 27.8 25.8 38.8

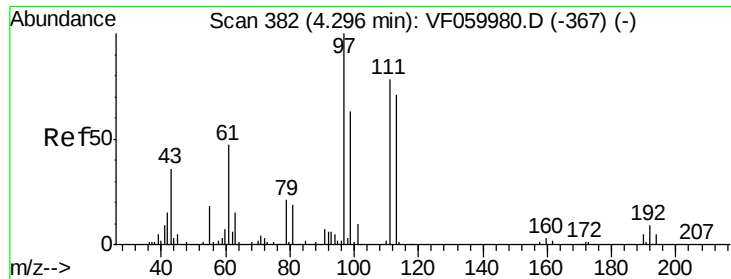


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

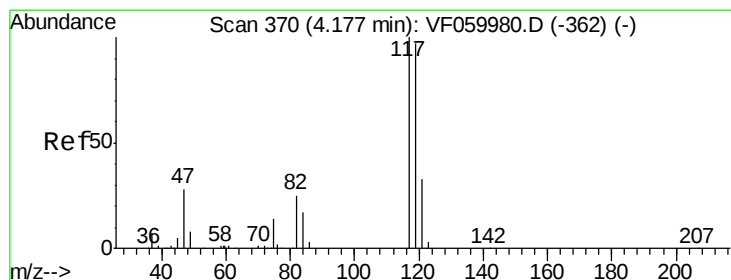
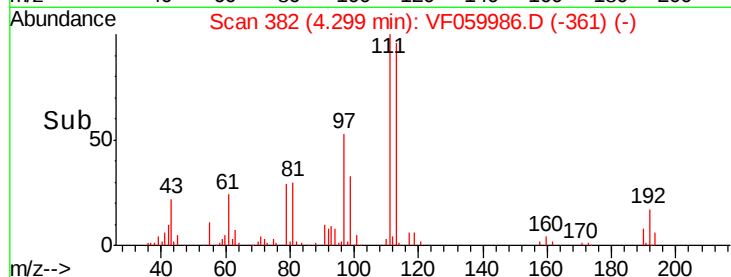
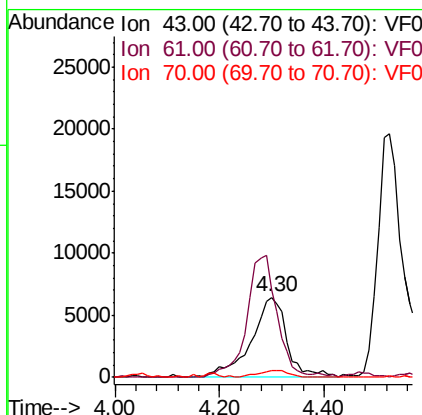
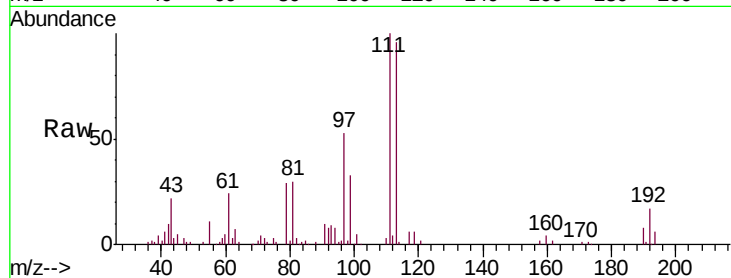




#37
 Ethyl Acetate
 Concen: 26.064 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

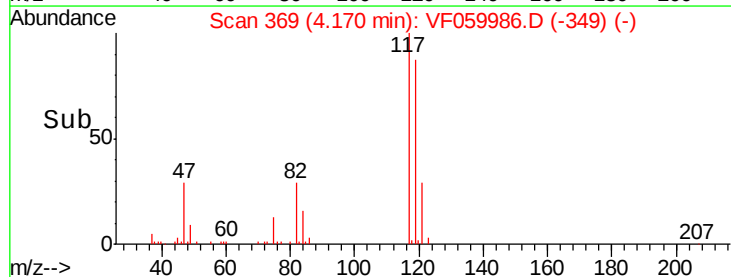
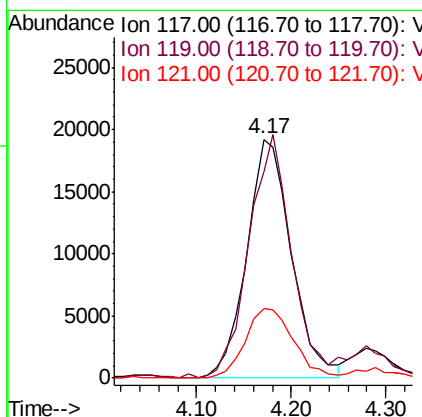
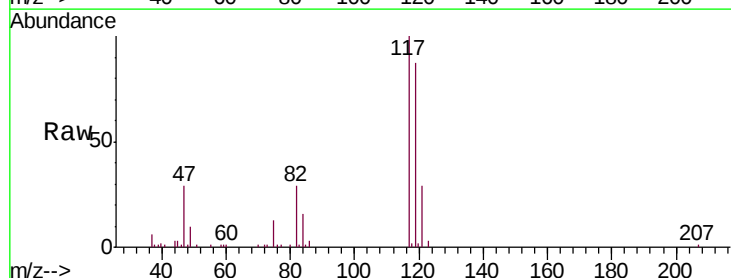
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

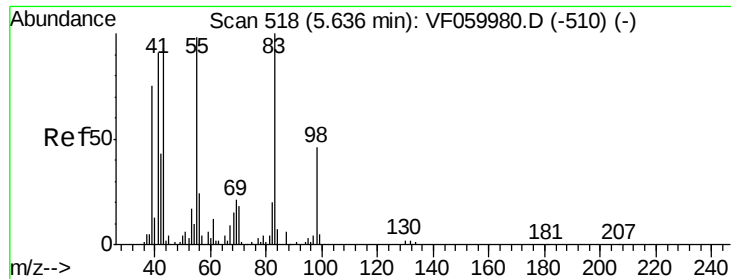
Tgt Ion: 43 Resp: 30138
 Ion Ratio Lower Upper
 43 100
 61 109.0 104.5 156.7
 70 8.0 5.9 8.9



#38
 Carbon Tetrachloride
 Concen: 21.028 ug/l
 RT: 4.17 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion: 117 Resp: 63095
 Ion Ratio Lower Upper
 117 100
 119 86.6 77.8 116.6
 121 29.4 26.0 39.0

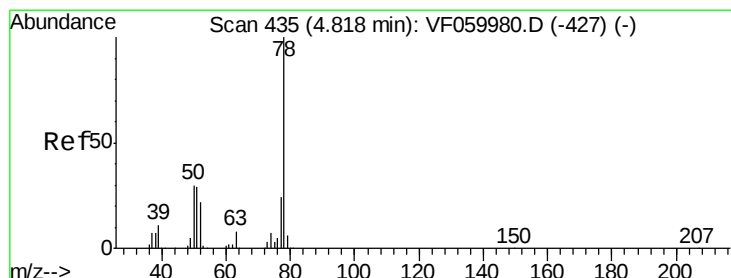
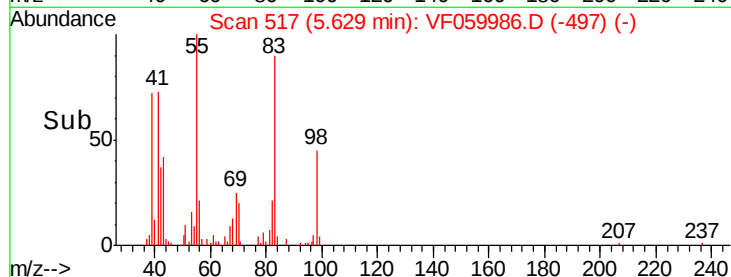
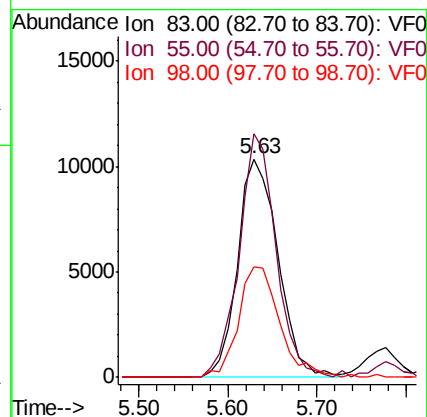
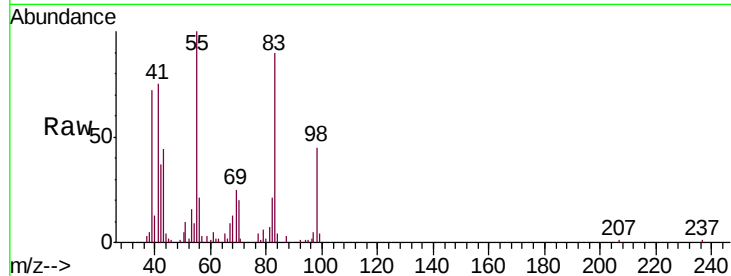




#39
Methylcyclohexane
Concen: 20.883 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

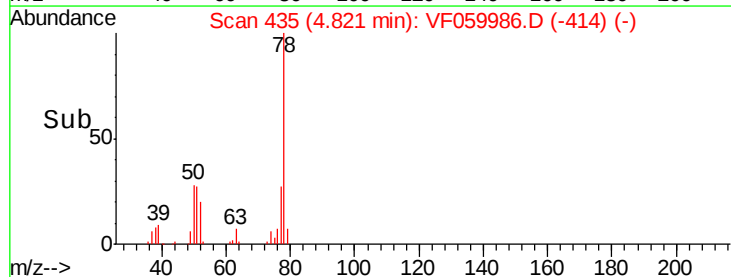
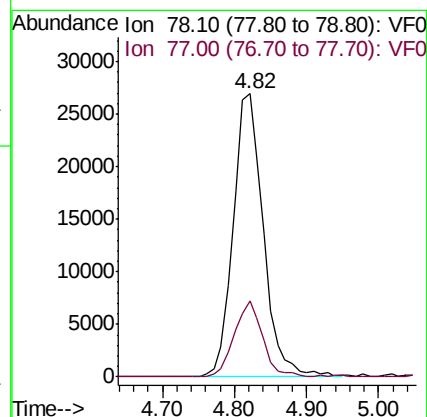
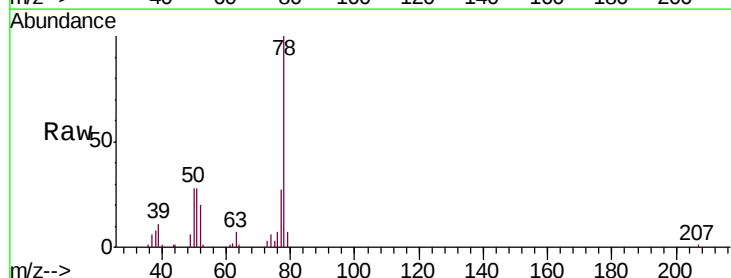
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

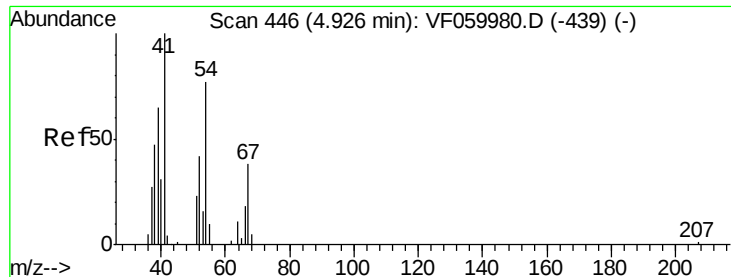
Tgt Ion: 83 Resp: 32771
Ion Ratio Lower Upper
83 100
55 111.5 78.8 118.2
98 50.5 36.8 55.2



#40
Benzene
Concen: 22.226 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 78 Resp: 78694
Ion Ratio Lower Upper
78 100
77 26.7 19.1 28.7





#41

Methacrylonitrile

Concen: 22.418 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tgt Ion: 41 Resp: 12411

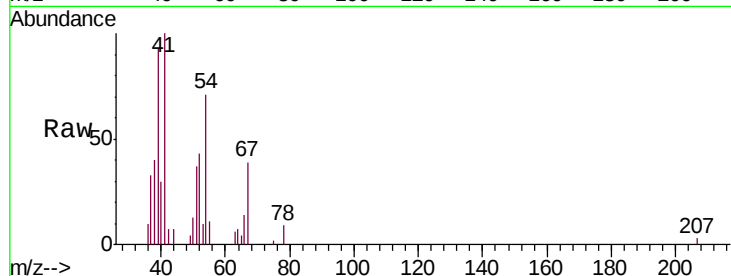
Ion Ratio Lower Upper

41 100

39 93.3 62.9 94.3

67 39.2 30.4 45.6

52 42.7 47.8 71.8#

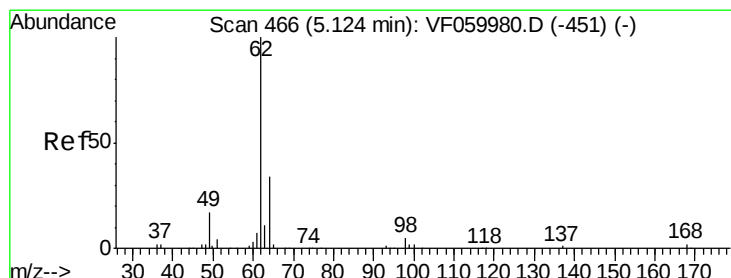
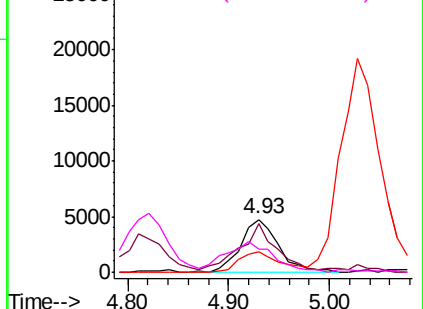
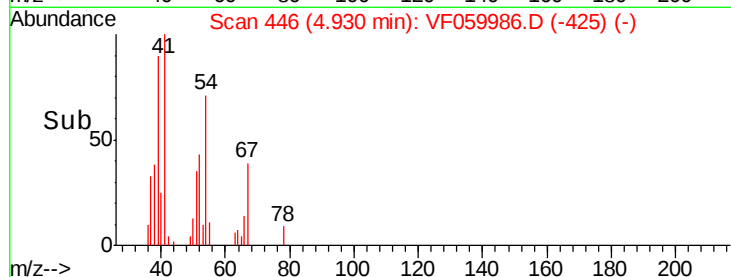


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.737 ug/l

RT: 5.13 min Scan# 466

Delta R.T. 0.00 min

Lab File: VF059986.D

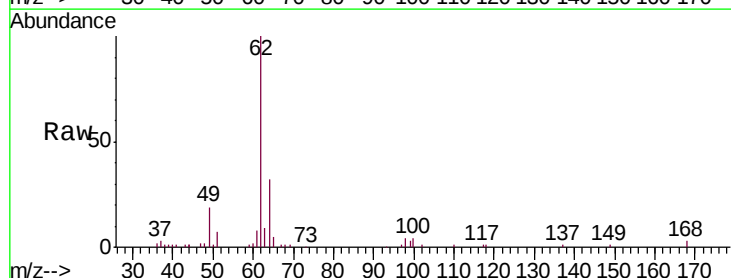
Acq: 17 Aug 2018 22:13

Tgt Ion: 62 Resp: 62275

Ion Ratio Lower Upper

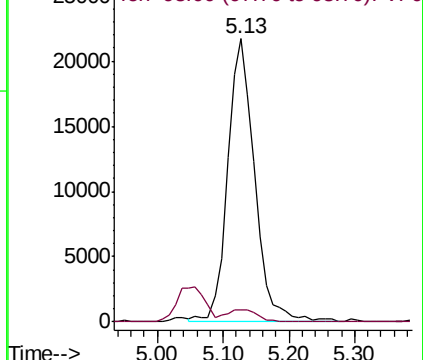
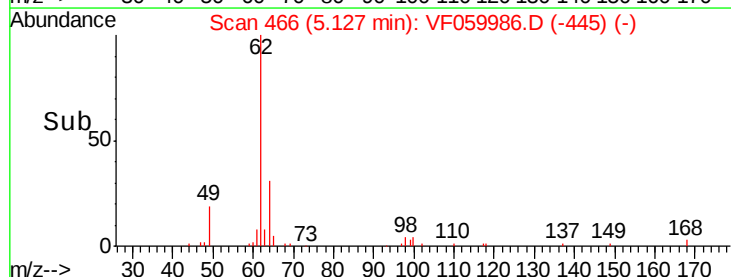
62 100

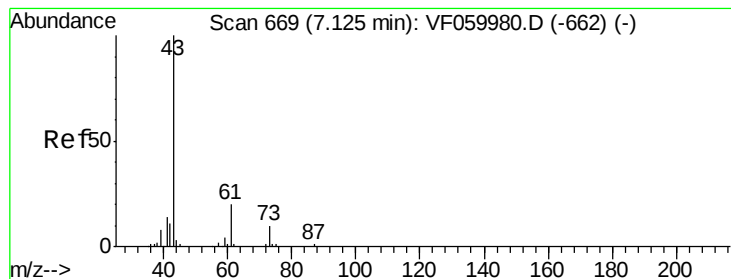
98 4.2 0.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 22.032 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

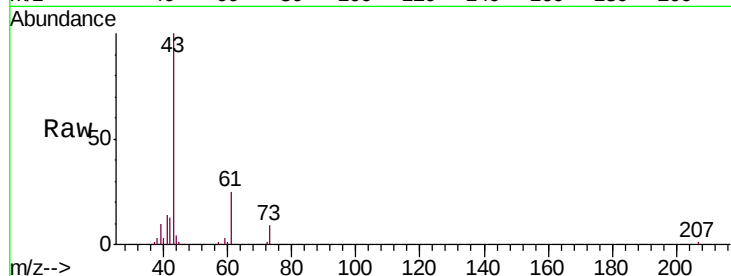
Tgt Ion: 43 Resp: 28040

Ion Ratio Lower Upper

43 100

61 24.9 15.8 23.8#

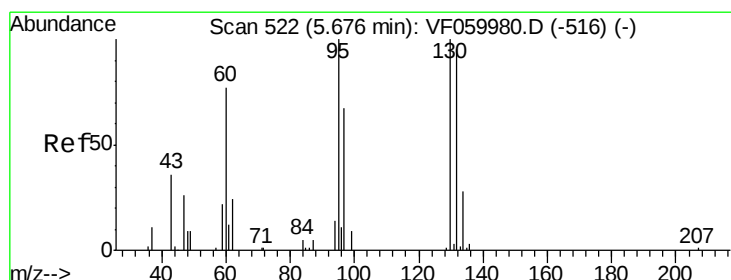
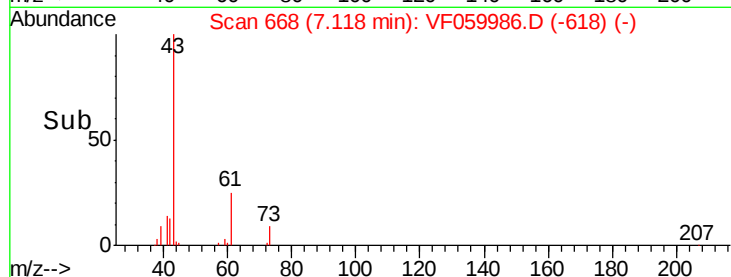
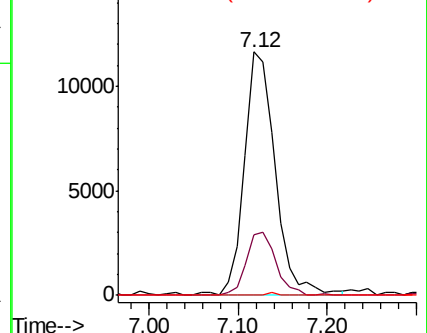
87 0.0 0.6 0.8#



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: 21.828 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.01 min

Lab File: VF059986.D

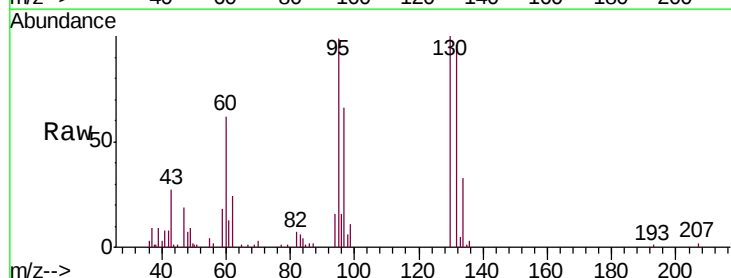
Acq: 17 Aug 2018 22:13

Tgt Ion: 130 Resp: 30164

Ion Ratio Lower Upper

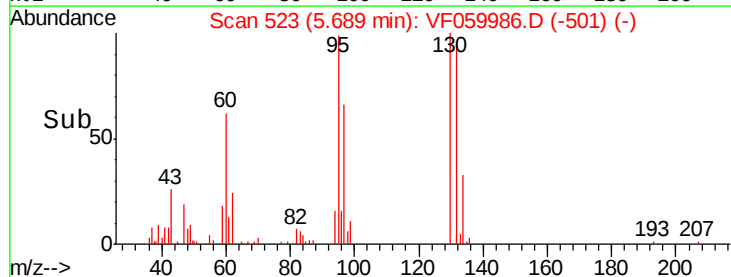
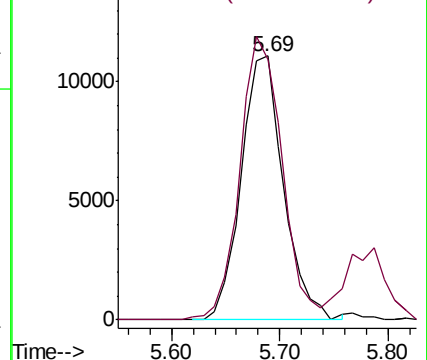
130 100

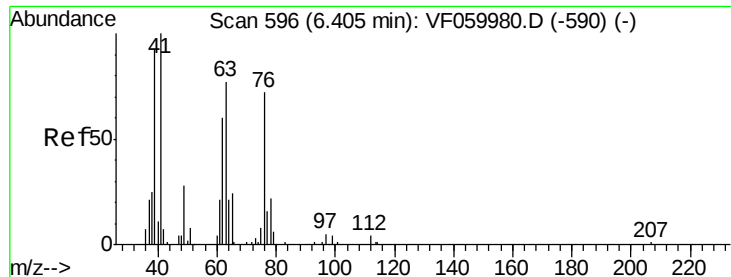
95 98.6 0.0 201.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.546 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

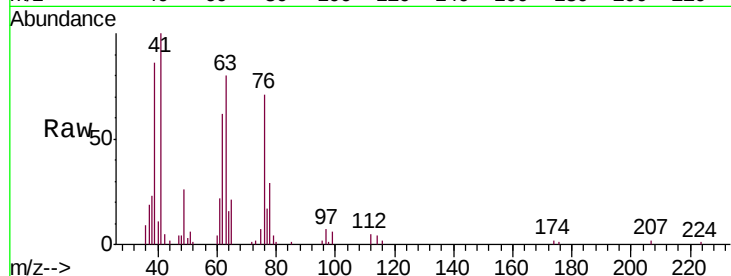
VF0817SBS01

Tgt Ion: 63 Resp: 21825

Ion Ratio Lower Upper

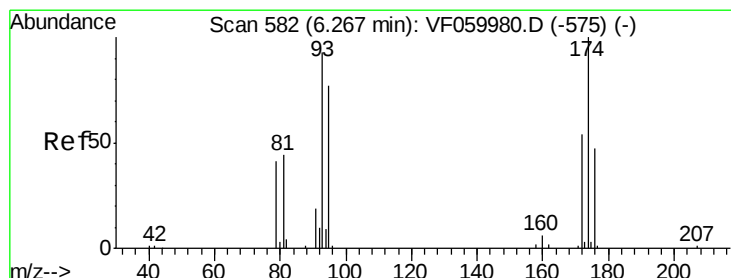
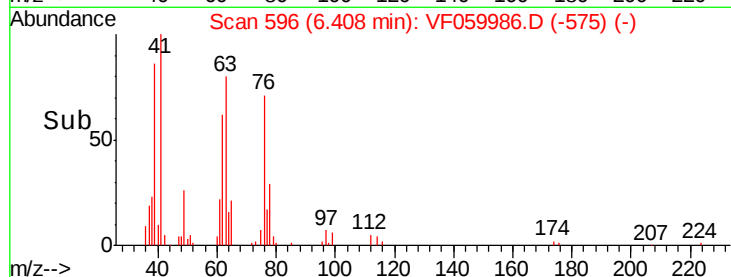
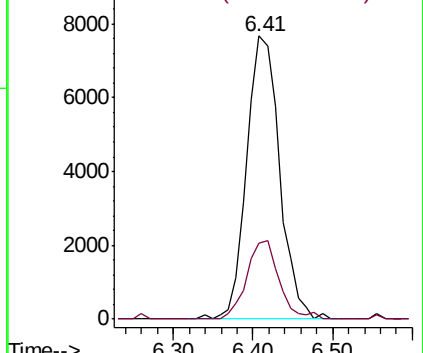
63 100

65 26.8 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.301 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

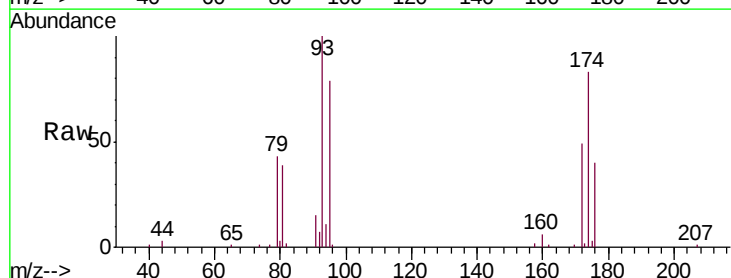
Tgt Ion: 93 Resp: 22278

Ion Ratio Lower Upper

93 100

95 79.2 67.0 100.4

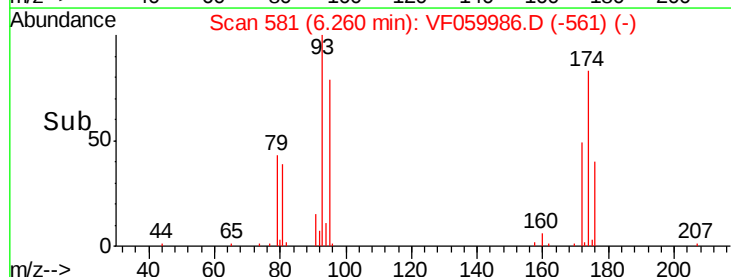
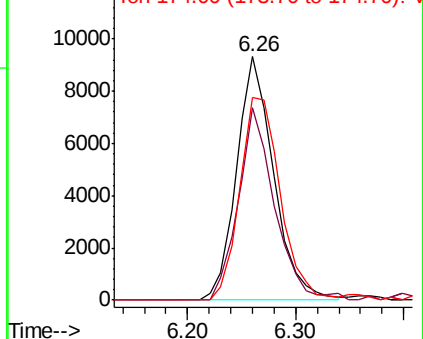
174 83.1 85.7 128.5#

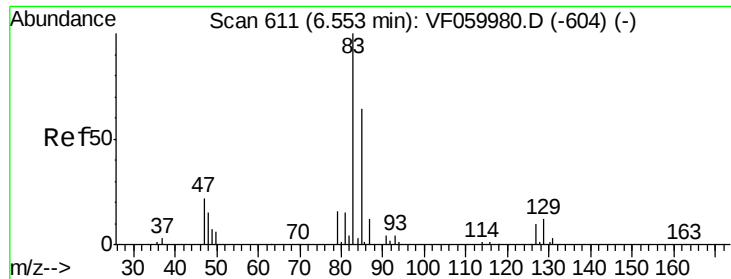


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.043 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

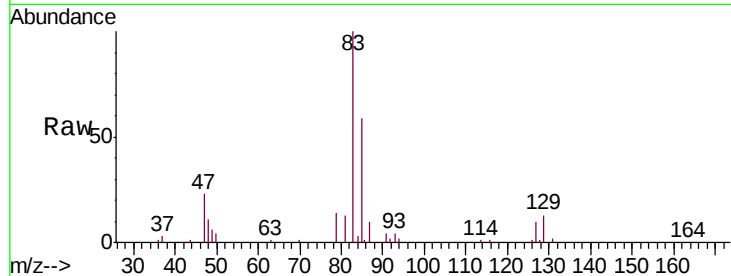
Tgt Ion: 83 Resp: 56748

Ion Ratio Lower Upper

83 100

85 60.2 51.4 77.0

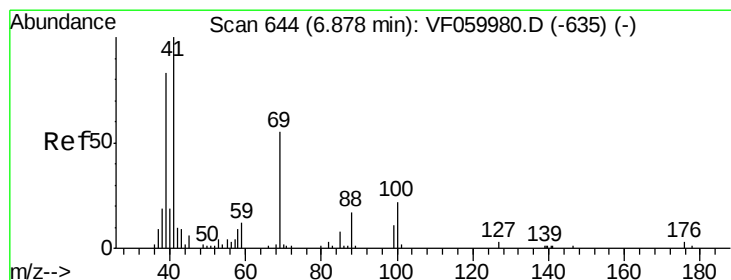
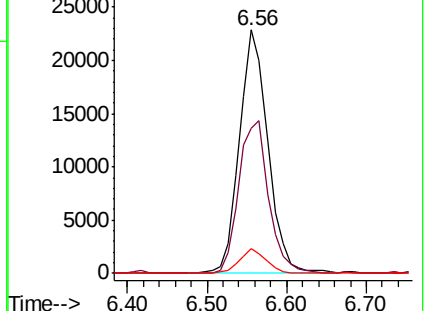
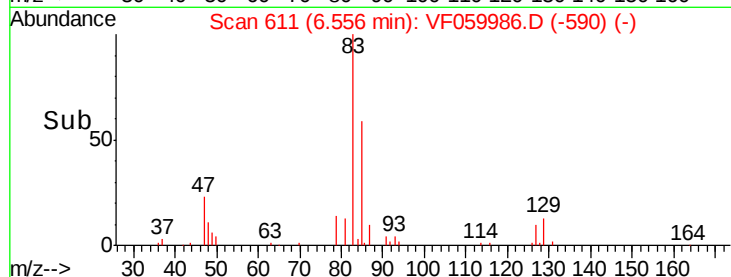
127 10.9 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.424 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

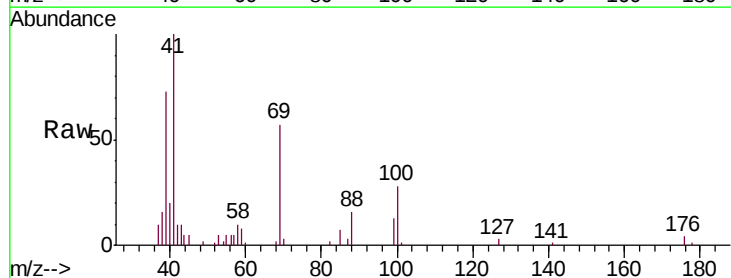
Tgt Ion: 41 Resp: 21242

Ion Ratio Lower Upper

41 100

69 56.7 44.4 66.6

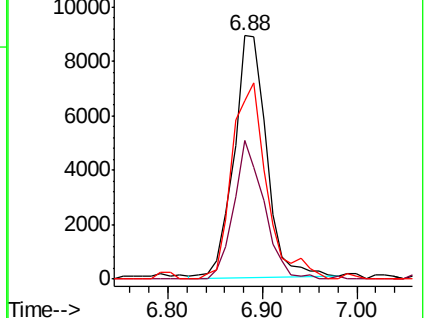
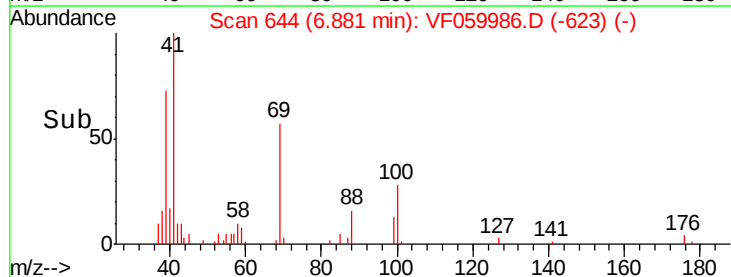
39 73.3 67.8 101.6

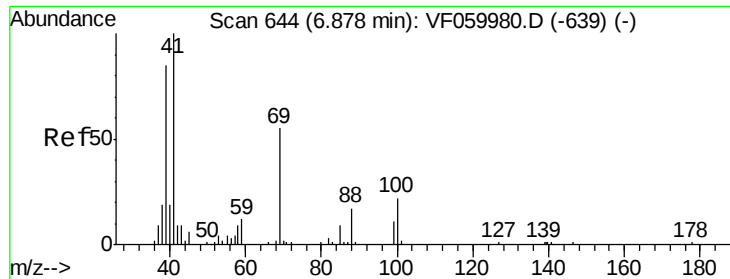


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 449.002 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

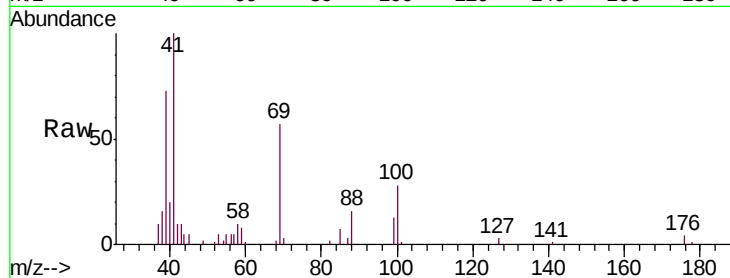
Tgt Ion: 88 Resp: 3454

Ion Ratio Lower Upper

88 100

43 60.8 43.2 64.8

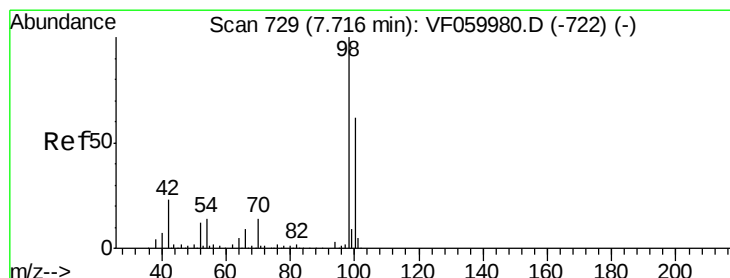
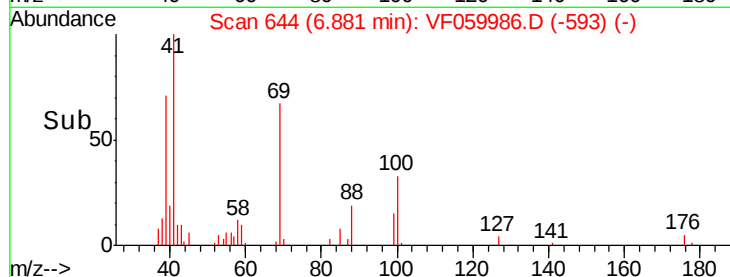
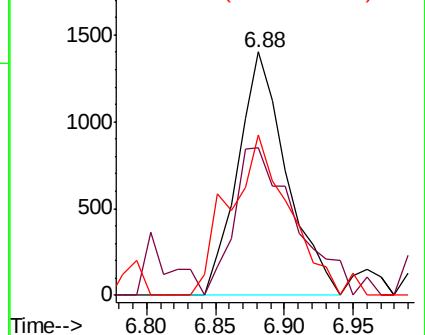
58 66.0 42.0 63.0#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.214 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF059986.D

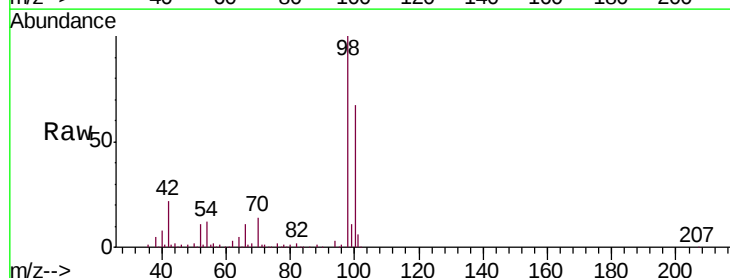
Acq: 17 Aug 2018 22:13

Tgt Ion: 98 Resp: 205439

Ion Ratio Lower Upper

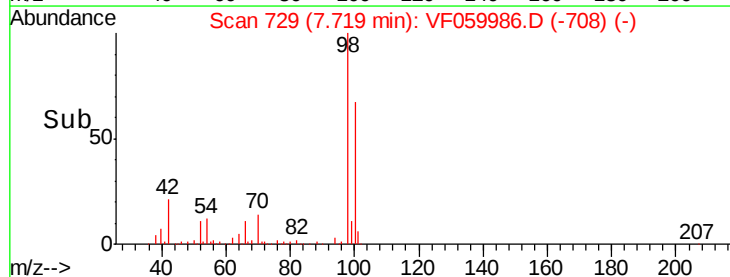
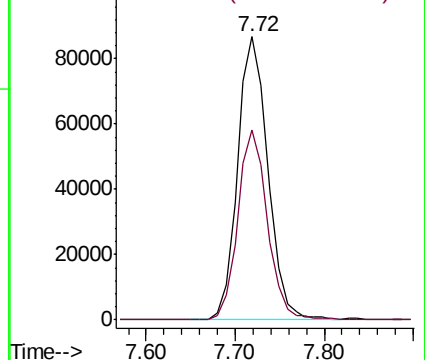
98 100

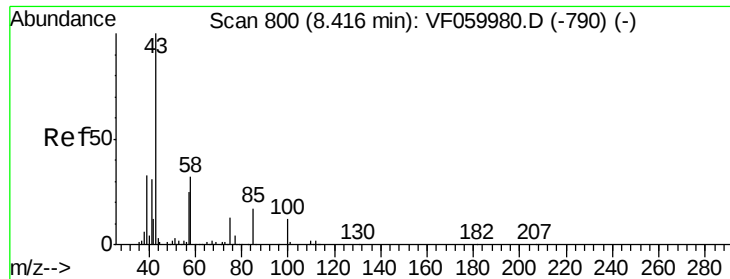
100 67.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 115.006 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

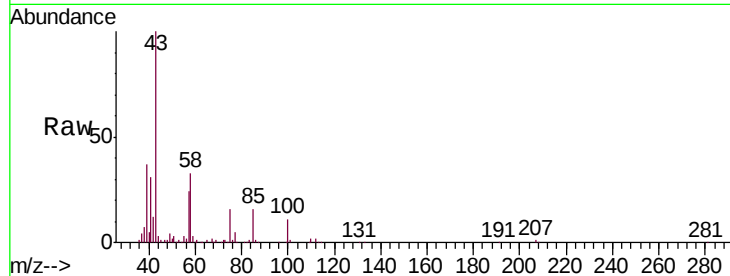
VF0817SBS01

Tgt Ion: 43 Resp: 136725

Ion Ratio Lower Upper

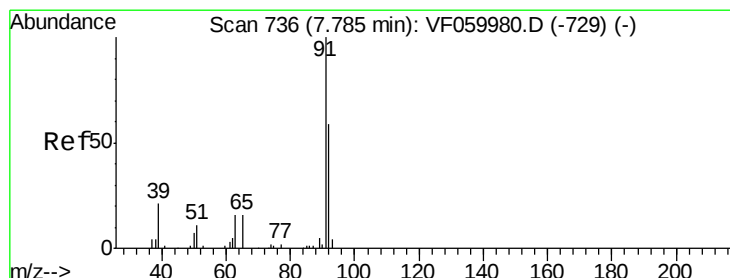
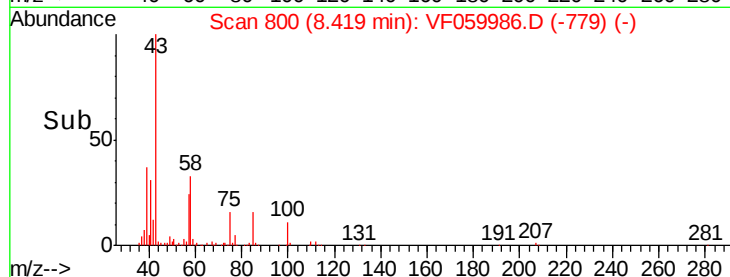
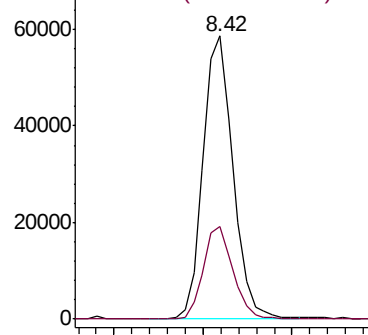
43 100

58 32.9 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.453 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059986.D

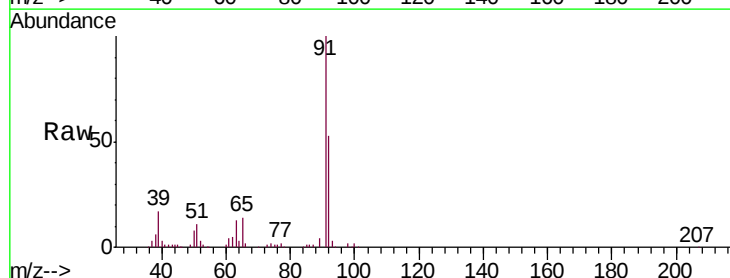
Acq: 17 Aug 2018 22:13

Tgt Ion: 92 Resp: 56852

Ion Ratio Lower Upper

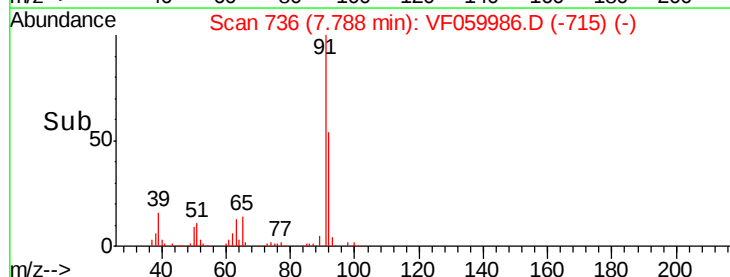
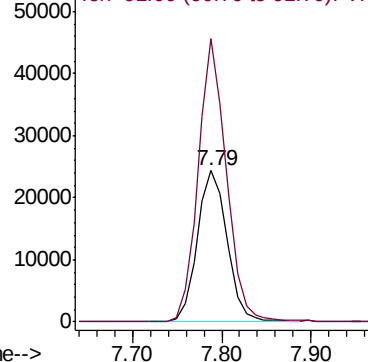
92 100

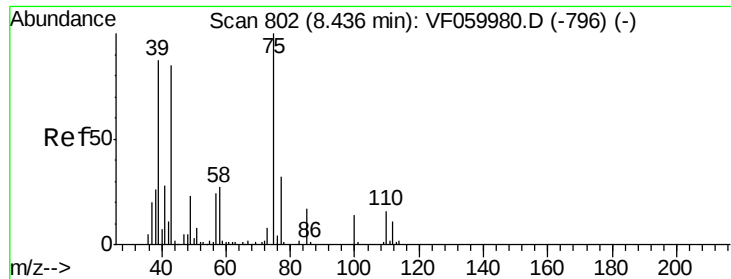
91 187.3 136.5 204.7



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: 19.947 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

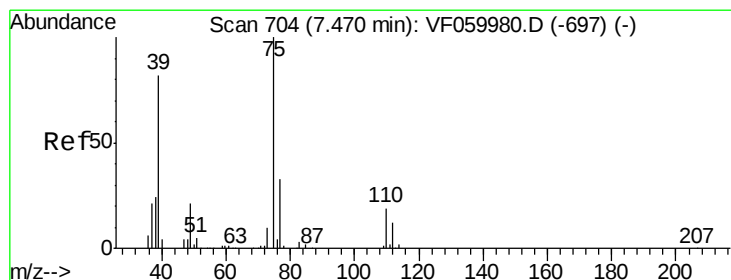
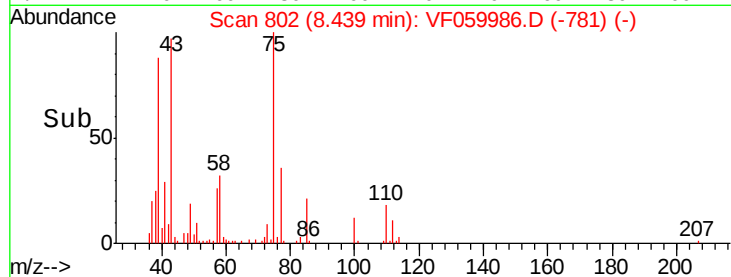
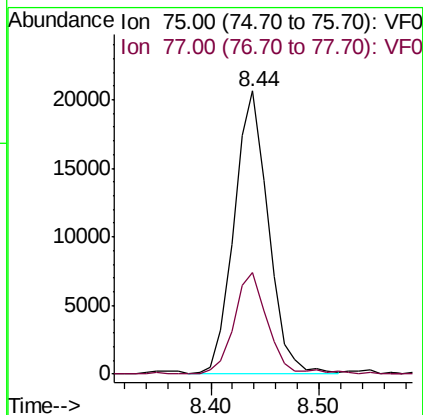
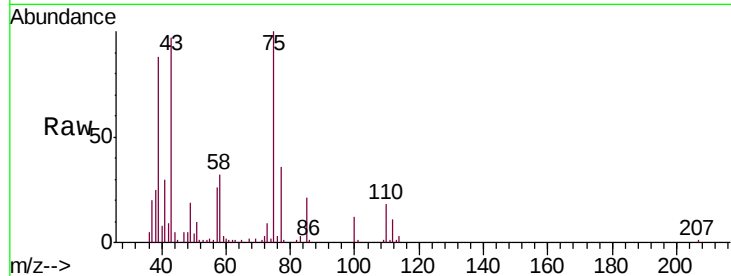
VF0817SBS01

Tgt Ion: 75 Resp: 45374

Ion Ratio Lower Upper

75 100

77 36.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.390 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

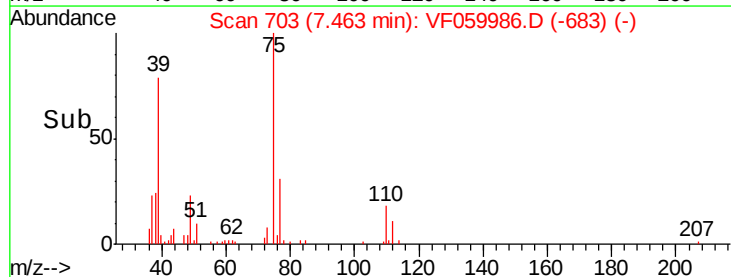
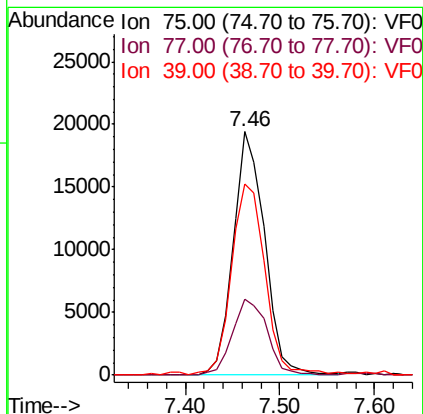
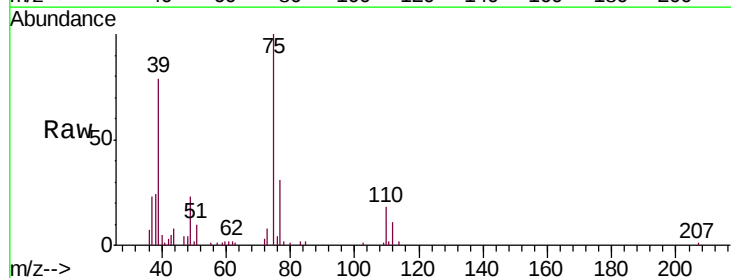
Tgt Ion: 75 Resp: 44778

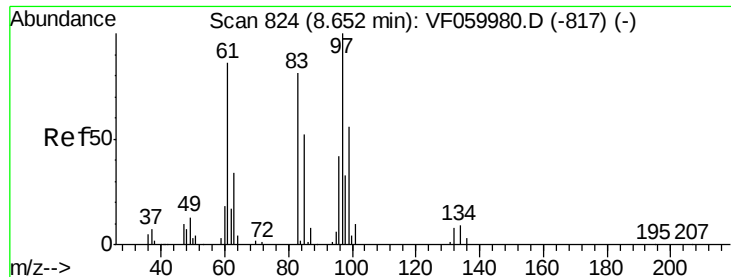
Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0

39 78.5 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 21.177 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tgt Ion: 97 Resp: 22516

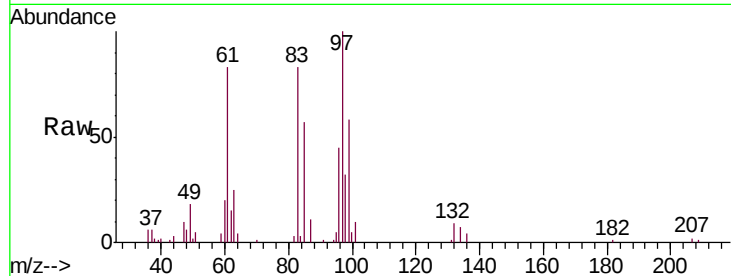
Ion Ratio Lower Upper

97 100

83 82.8 64.9 97.3

85 56.7 41.8 62.6

99 57.8 45.2 67.8

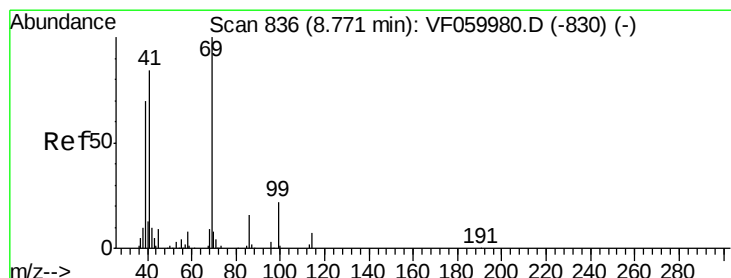
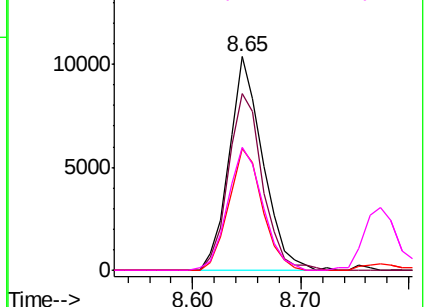
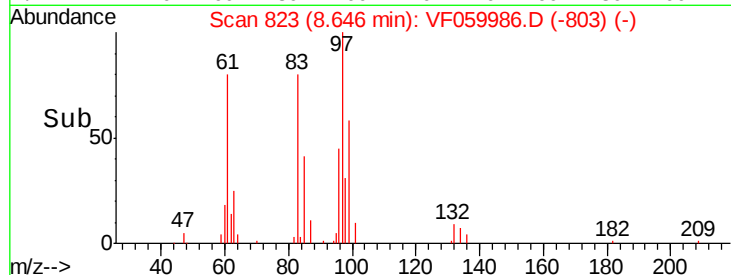


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.799 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

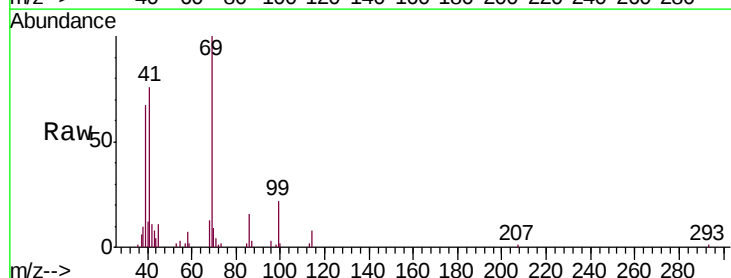
Tgt Ion: 69 Resp: 28083

Ion Ratio Lower Upper

69 100

41 76.5 67.8 101.6

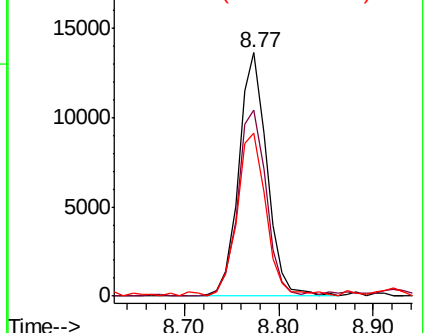
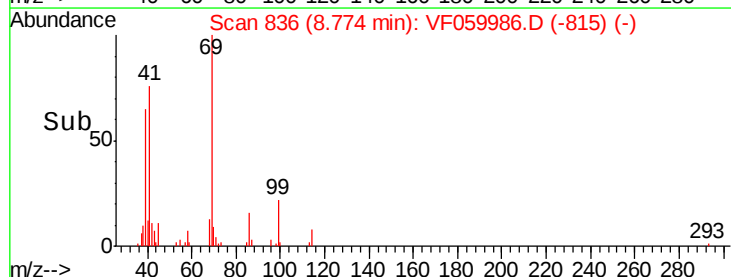
39 67.0 55.8 83.6

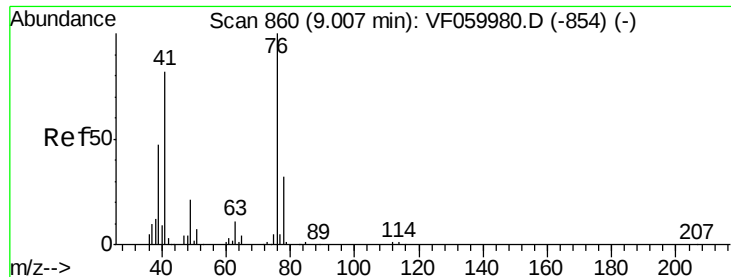


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.711 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

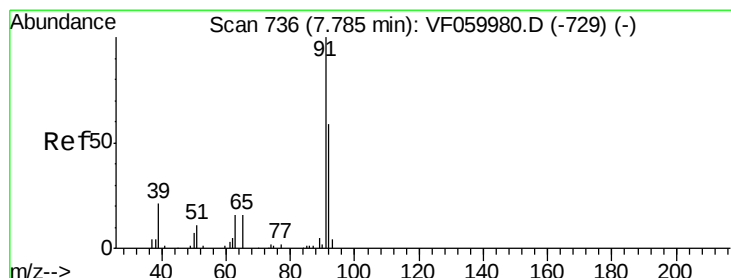
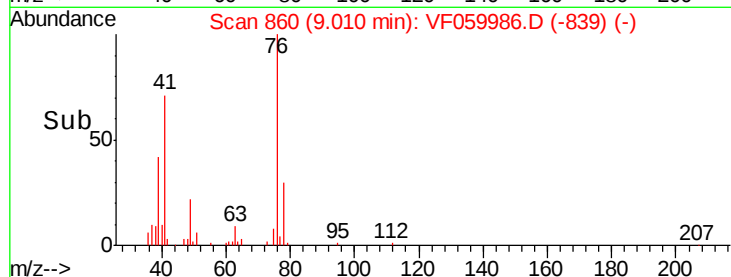
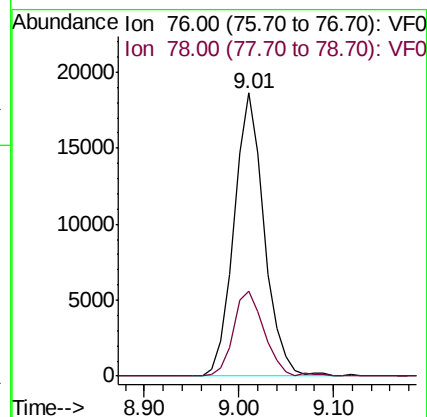
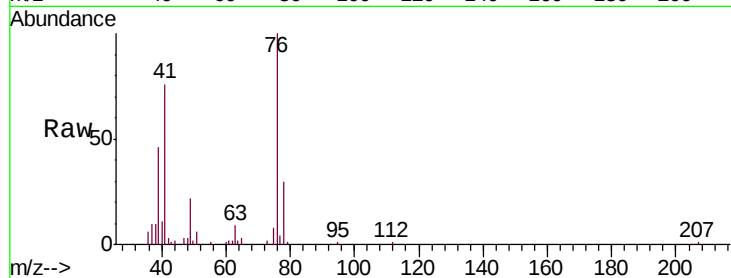
VF0817SBS01

Tgt Ion: 76 Resp: 41141

Ion Ratio Lower Upper

76 100

78 30.1 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 128.828 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059986.D

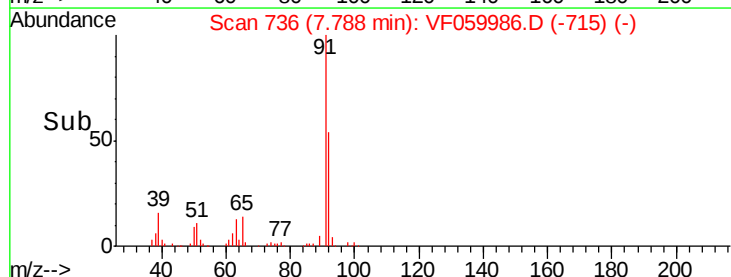
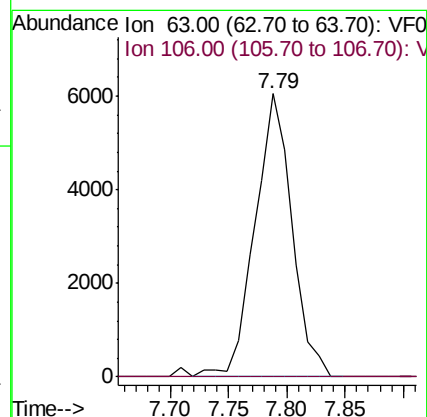
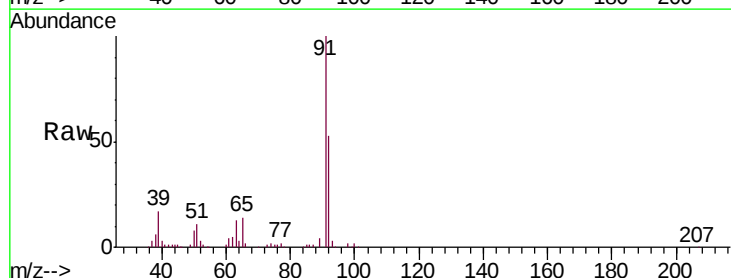
Acq: 17 Aug 2018 22:13

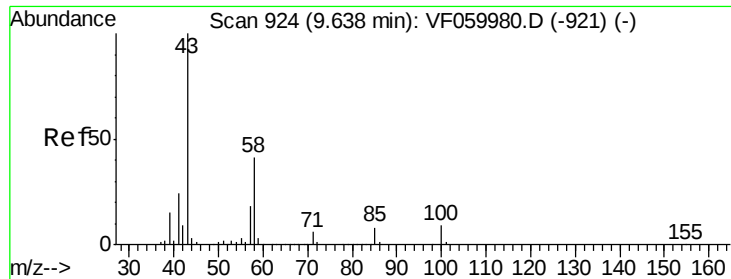
Tgt Ion: 63 Resp: 13309

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

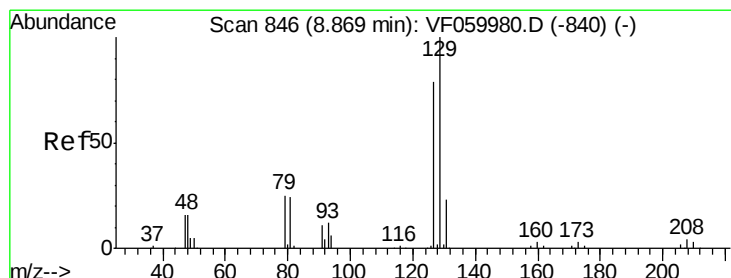
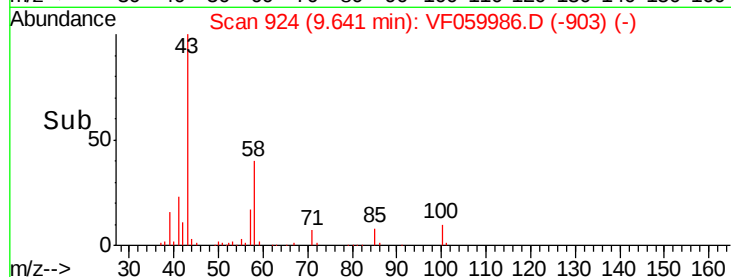
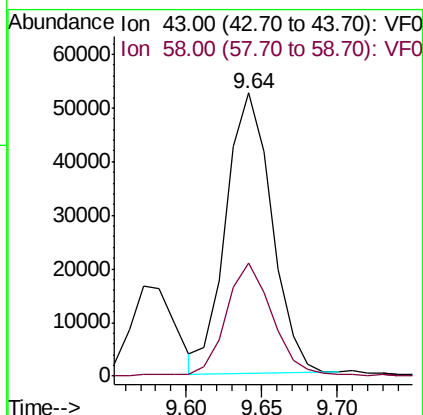
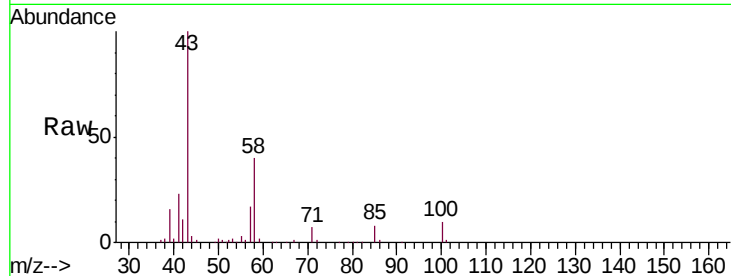




#59
2-Hexanone
Concen: 112.357 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

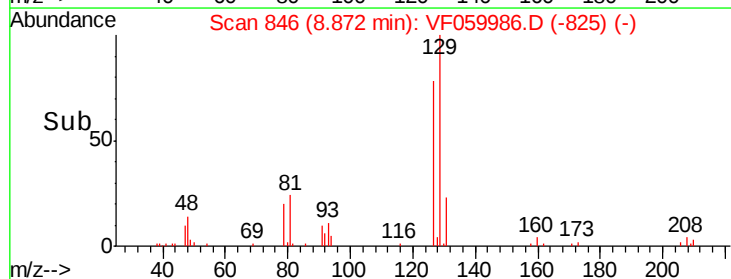
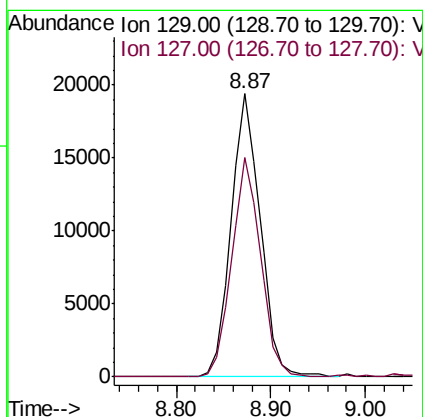
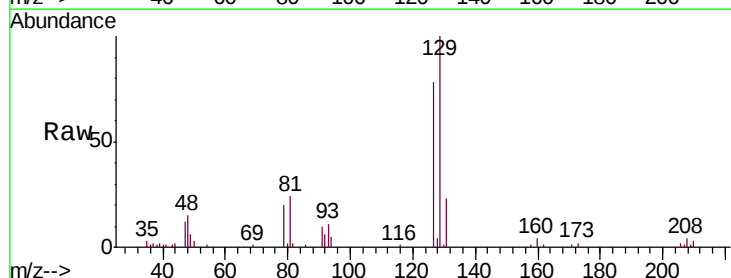
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

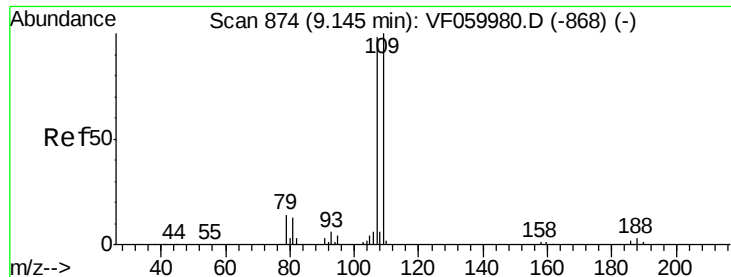
Tgt Ion: 43 Resp: 110293
Ion Ratio Lower Upper
43 100
58 40.1 20.1 60.3



#60
Dibromochloromethane
Concen: 21.367 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 129 Resp: 41511
Ion Ratio Lower Upper
129 100
127 77.7 39.5 118.5





#61

1,2-Dibromoethane

Concen: 22.450 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

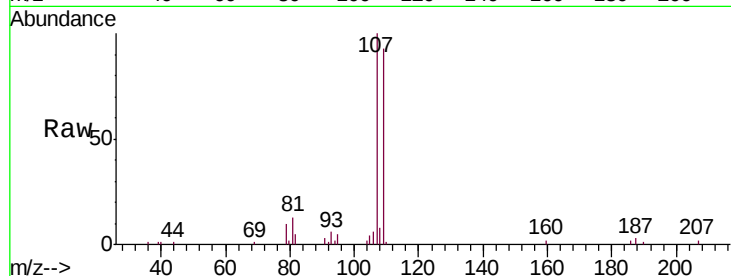
VF0817SBS01

Tgt Ion:107 Resp: 29779

Ion Ratio Lower Upper

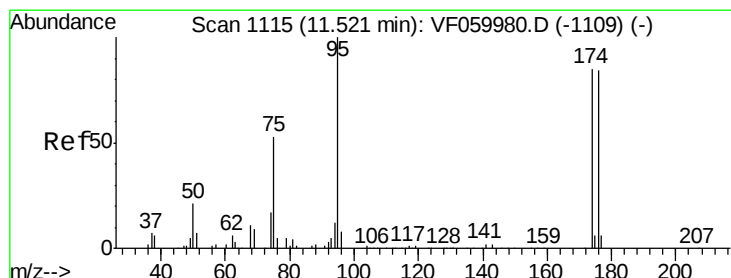
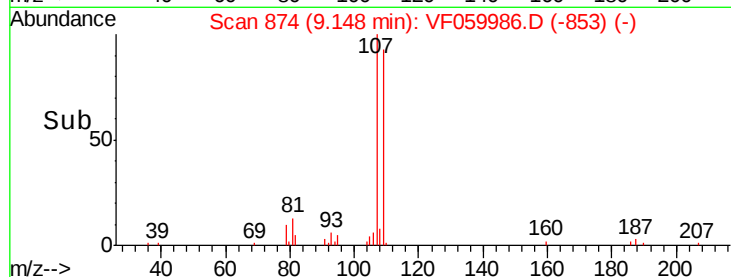
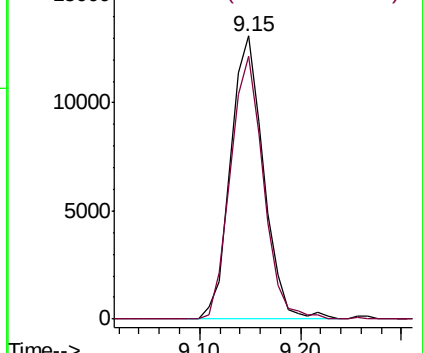
107 100

109 92.9 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.629 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

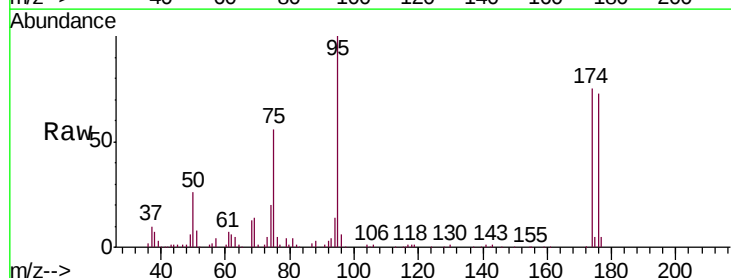
Tgt Ion: 95 Resp: 124573

Ion Ratio Lower Upper

95 100

174 75.4 0.0 169.8

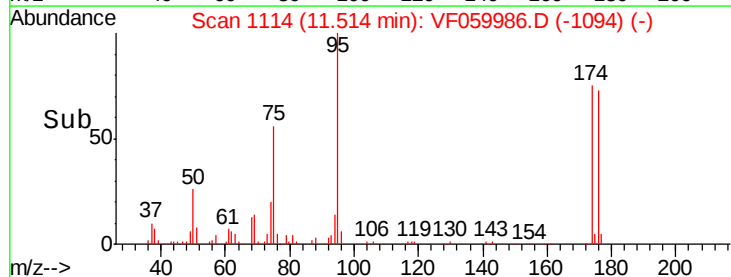
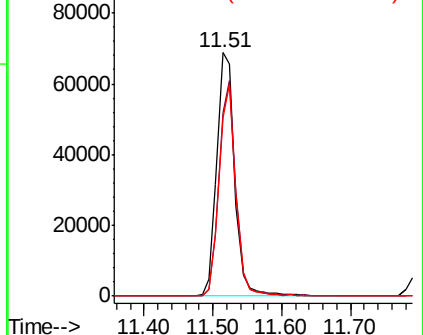
176 73.4 0.0 167.8

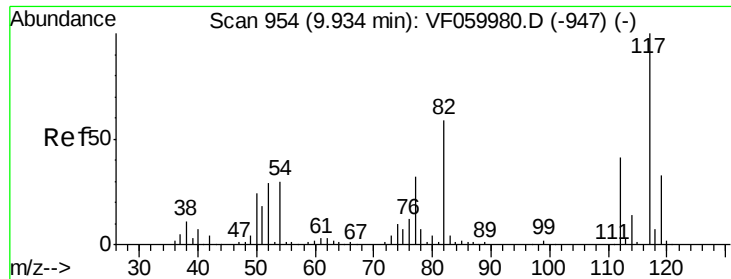


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

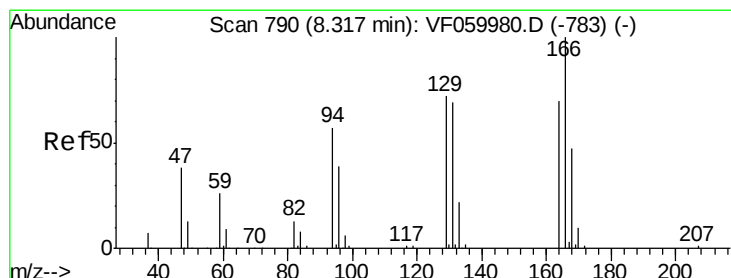
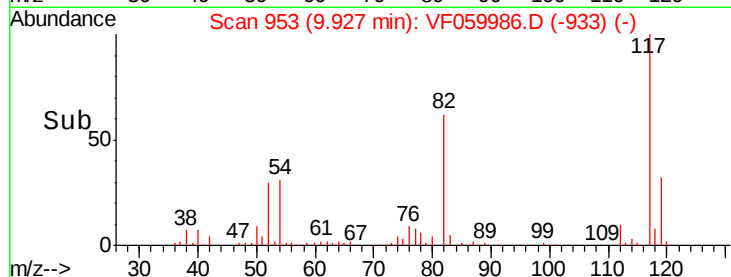
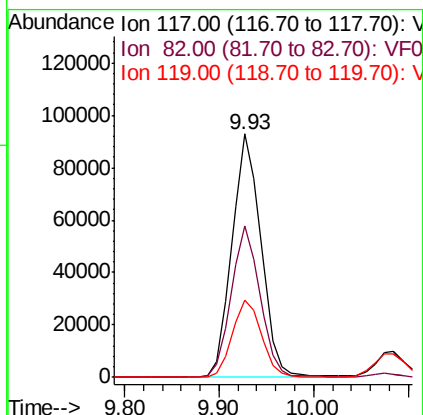
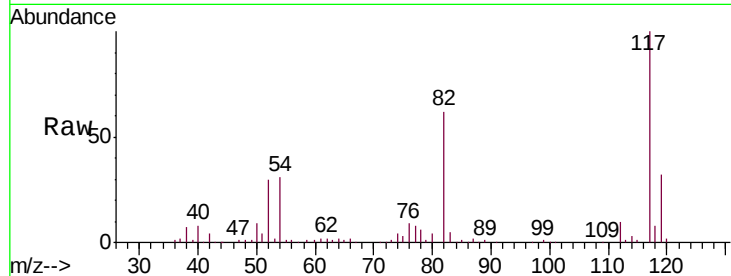




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

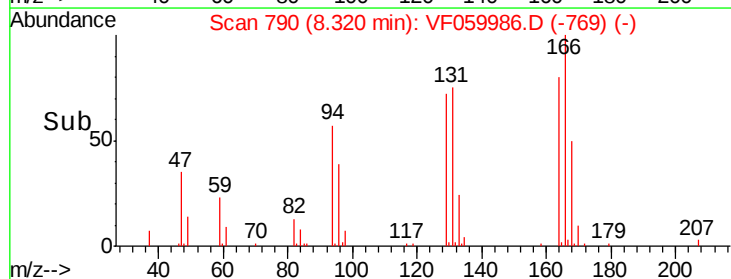
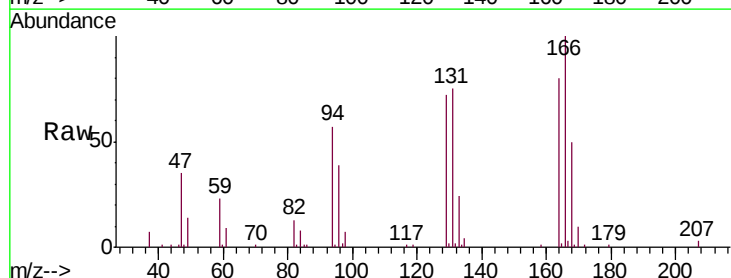
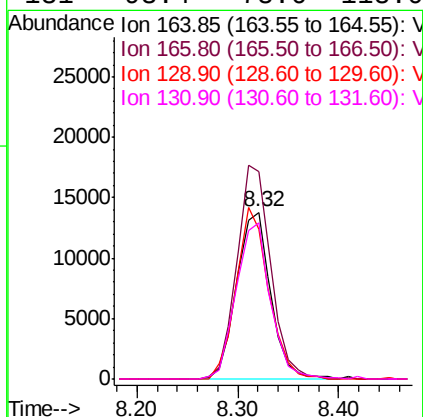
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

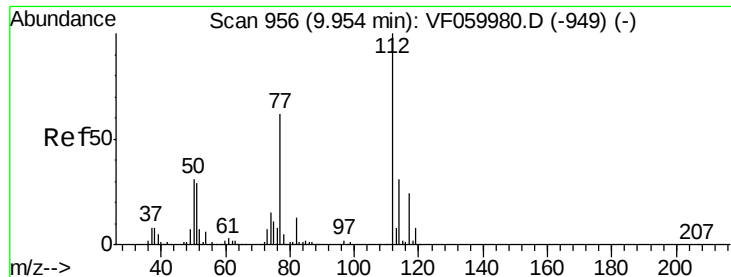
Tgt Ion:117 Resp: 197993
Ion Ratio Lower Upper
117 100
82 62.3 47.2 70.8
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 21.482 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion:164 Resp: 32409
Ion Ratio Lower Upper
164 100
166 124.6 114.5 171.7
129 89.7 82.3 123.5
131 93.4 78.6 118.0

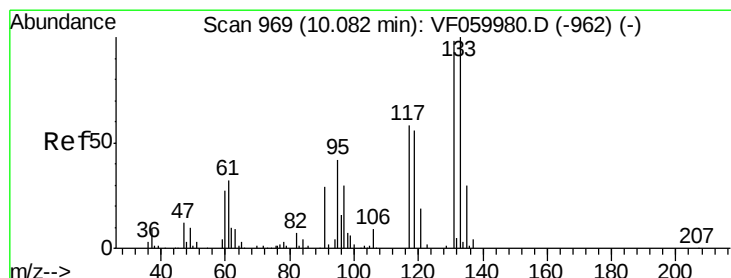
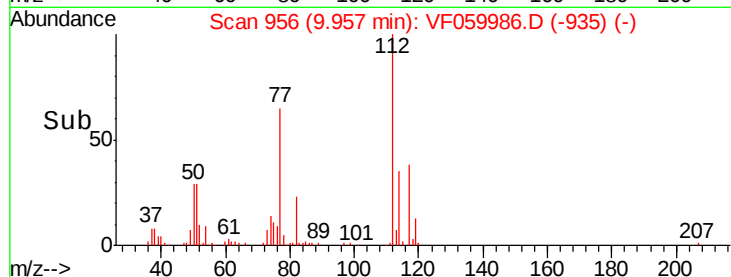
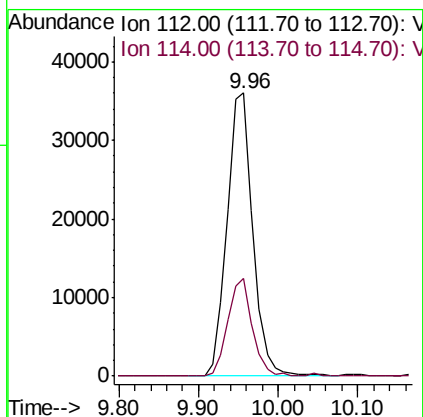
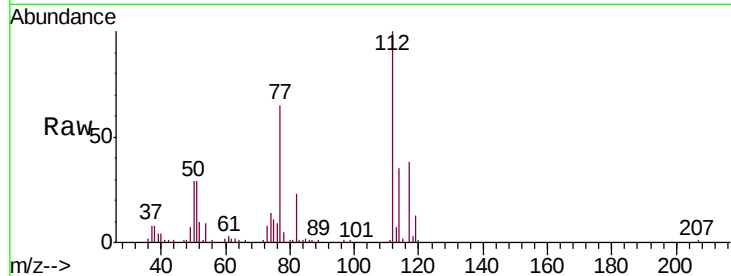




#65
Chlorobenzene
Concen: 21.026 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

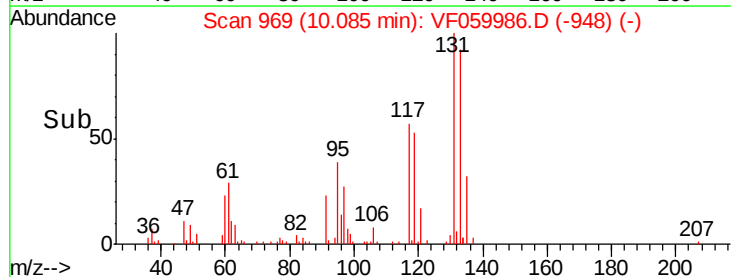
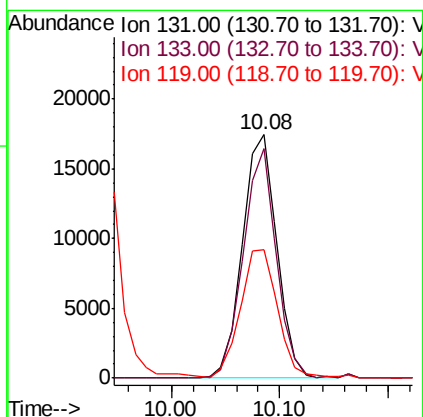
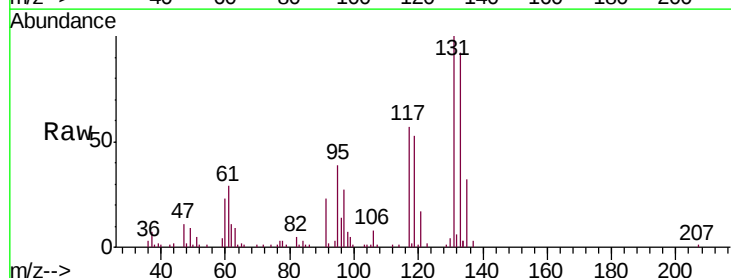
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

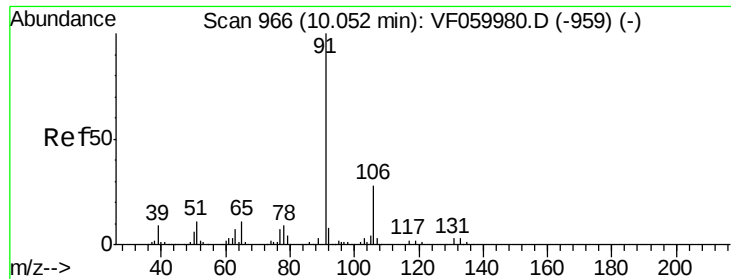
Tgt Ion:112 Resp: 82165
Ion Ratio Lower Upper
112 100
114 34.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.489 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion:131 Resp: 38636
Ion Ratio Lower Upper
131 100
133 94.1 51.1 153.3
119 52.6 29.0 87.1

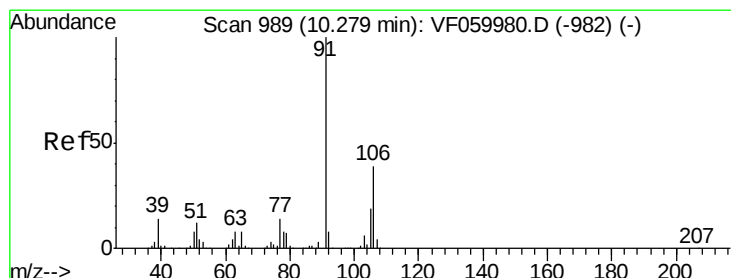
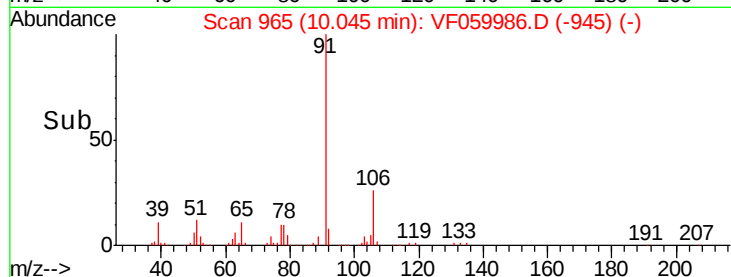
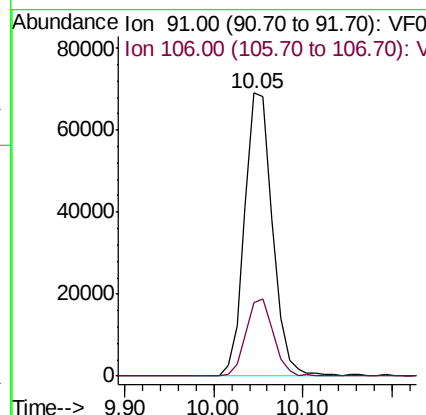
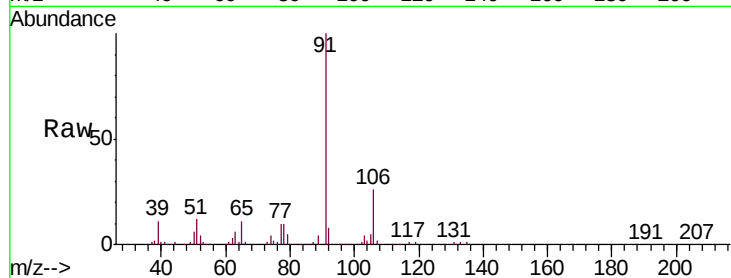




#67
Ethyl Benzene
Concen: 21.212 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

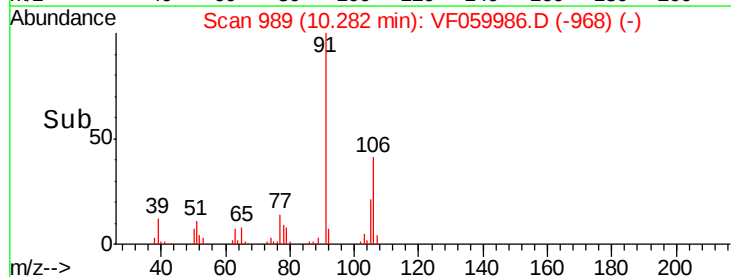
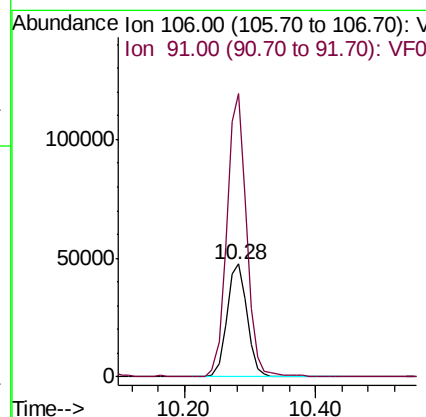
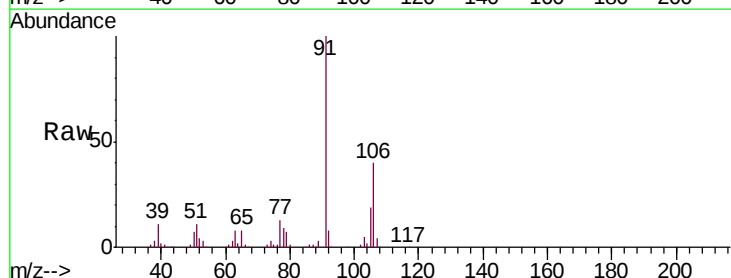
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

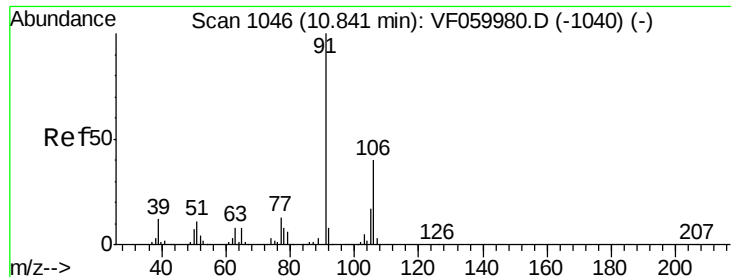
Tgt Ion: 91 Resp: 150497
Ion Ratio Lower Upper
91 100
106 25.9 22.0 33.0



#68
m/p-Xylenes
Concen: 41.747 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 106 Resp: 102624
Ion Ratio Lower Upper
106 100
91 250.5 203.5 305.3

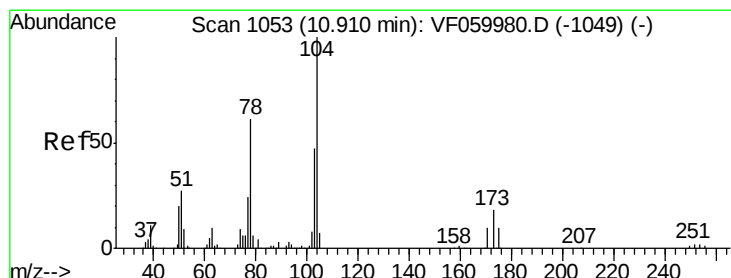
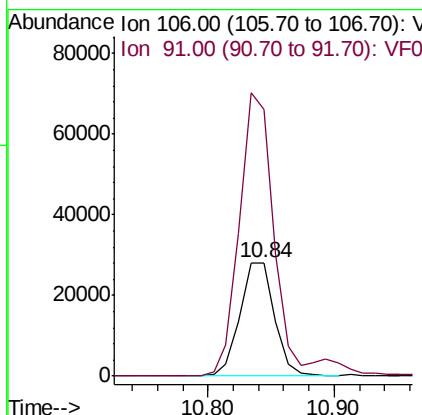
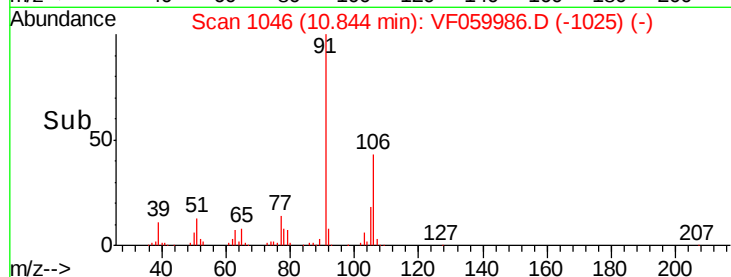
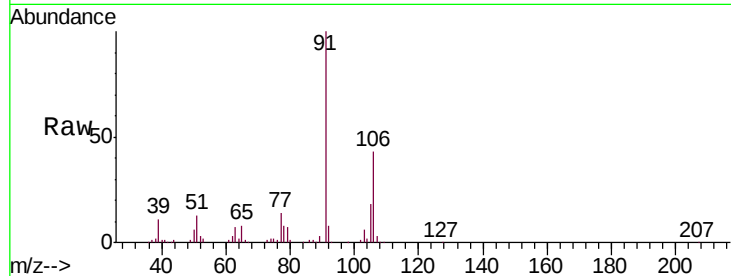




#69
o-Xylene
Concen: 21.399 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

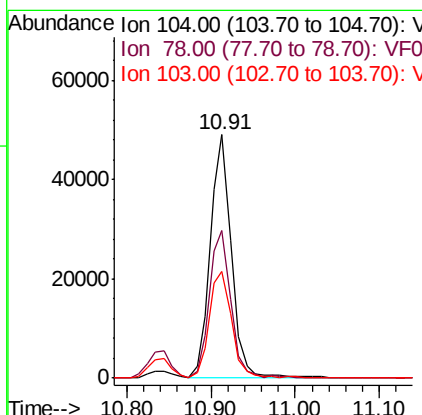
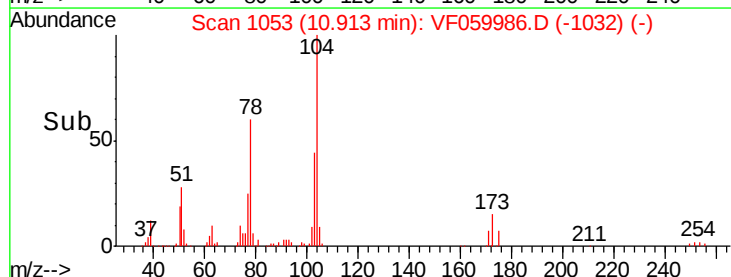
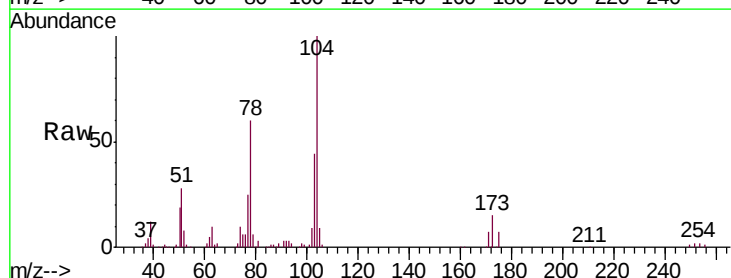
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

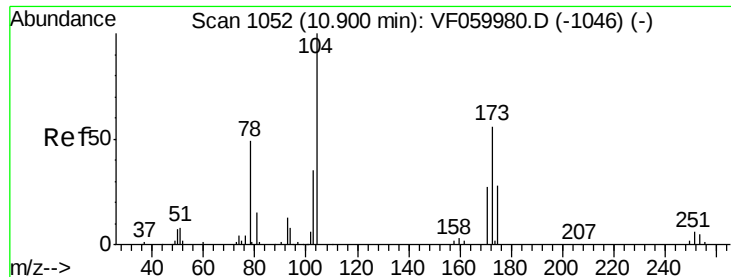
Tgt Ion:106 Resp: 53928
Ion Ratio Lower Upper
106 100
91 234.9 125.4 376.2



#70
Styrene
Concen: 20.994 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion:104 Resp: 84762
Ion Ratio Lower Upper
104 100
78 60.4 49.0 73.6
103 43.8 38.2 57.4

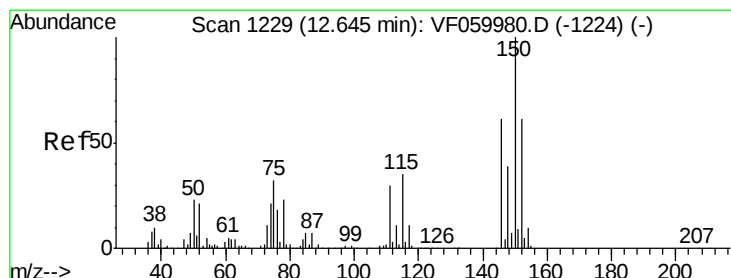
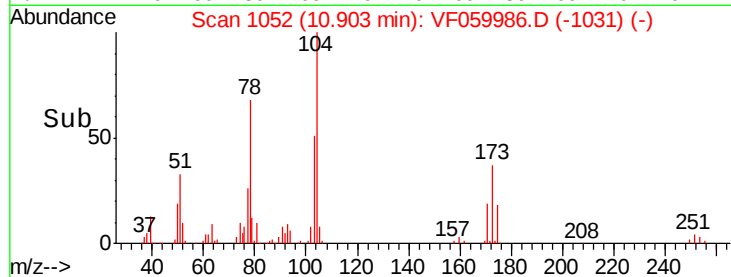
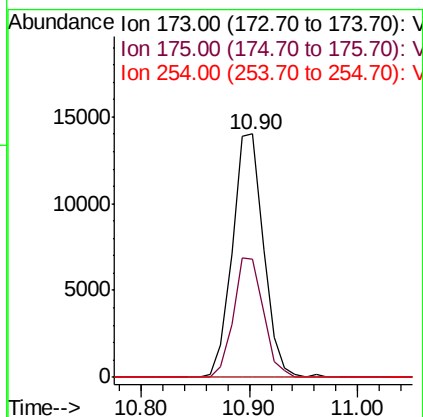
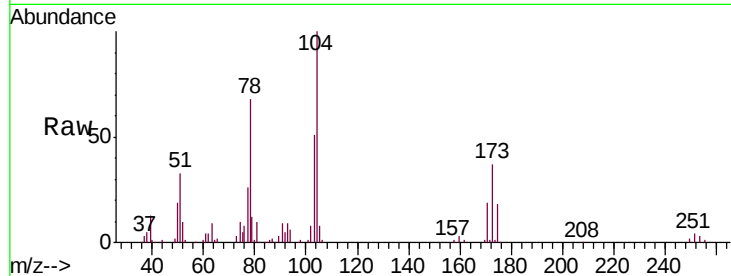




#71
Bromoform
Concen: 21.164 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

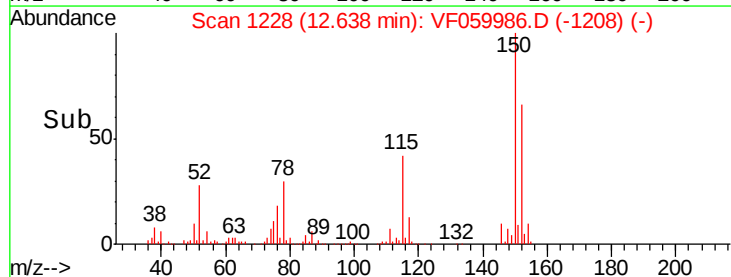
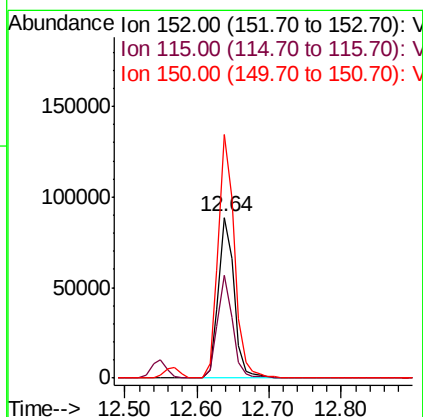
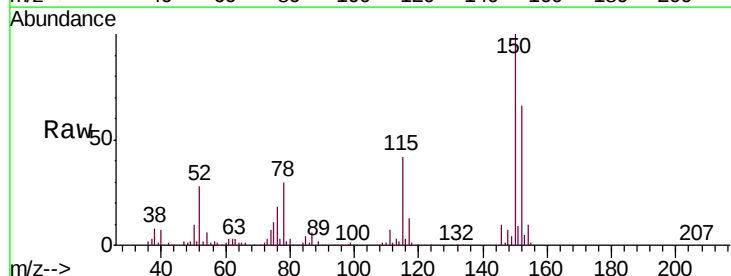
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

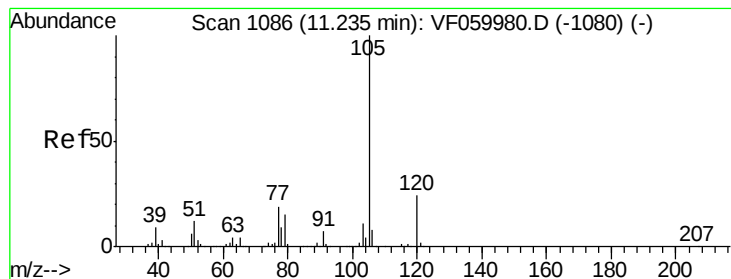
Tgt Ion:173 Resp: 28131
Ion Ratio Lower Upper
173 100
175 48.8 24.8 74.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion:152 Resp: 133601
Ion Ratio Lower Upper
152 100
115 64.1 29.1 87.3
150 151.2 0.0 330.2





#73

Isopropylbenzene

Concen: 21.576 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

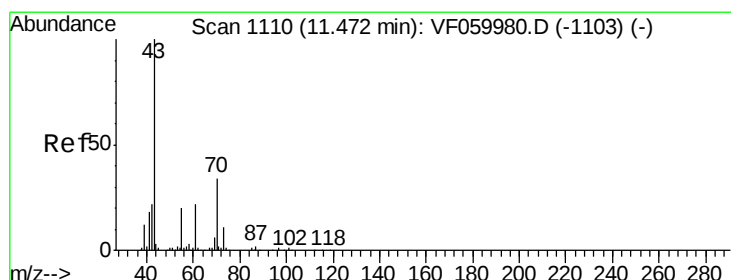
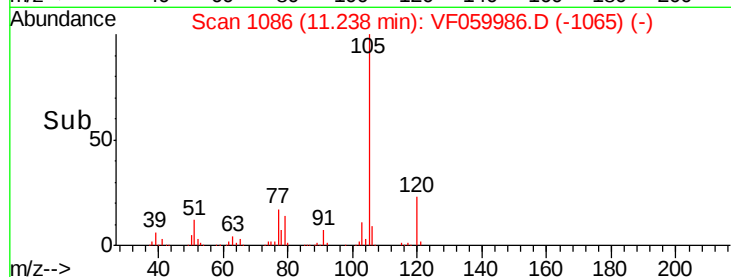
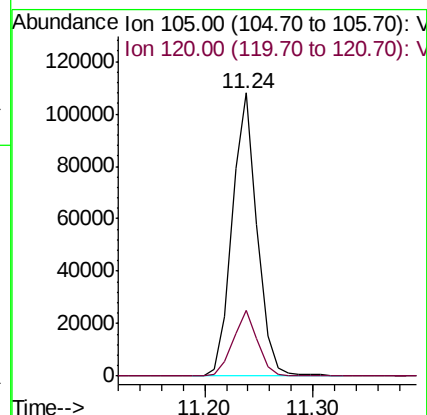
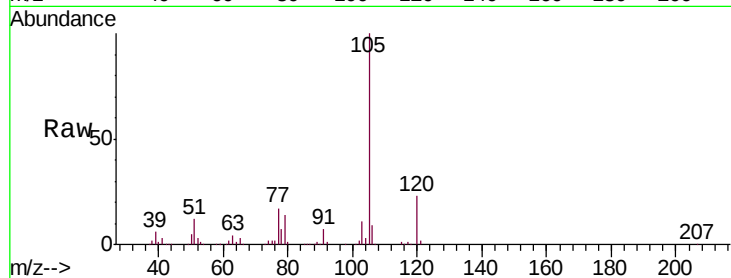
VF0817SBS01

Tgt Ion: 105 Resp: 172810

Ion Ratio Lower Upper

105 100

120 23.3 11.9 35.5



#74

N-ethyl acetate

Concen: 21.901 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion: 43 Resp: 49776

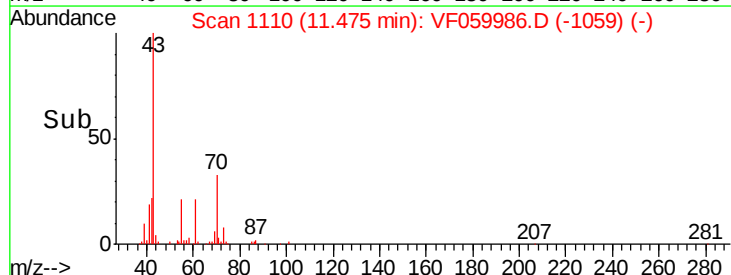
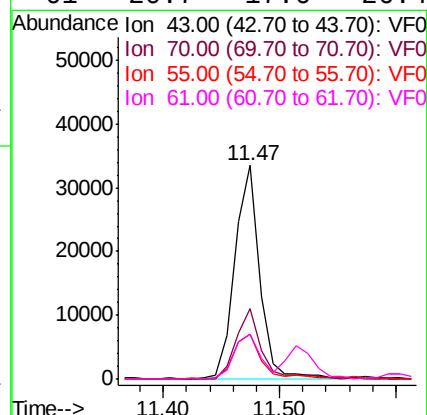
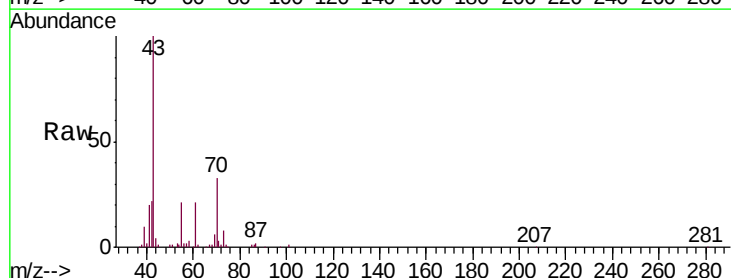
Ion Ratio Lower Upper

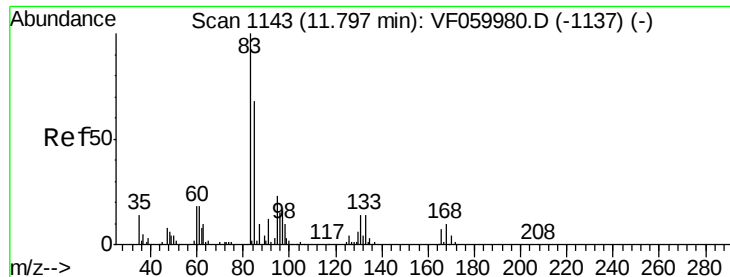
43 100

70 32.8 27.2 40.8

55 20.8 16.4 24.6

61 20.7 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.082 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

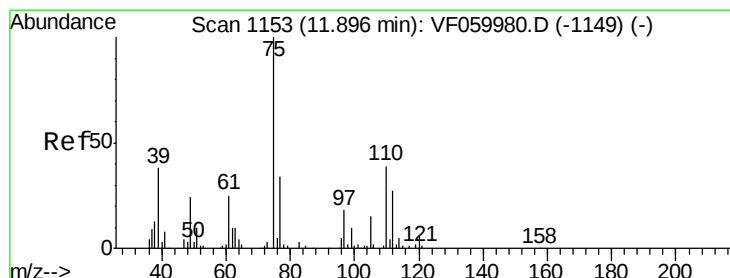
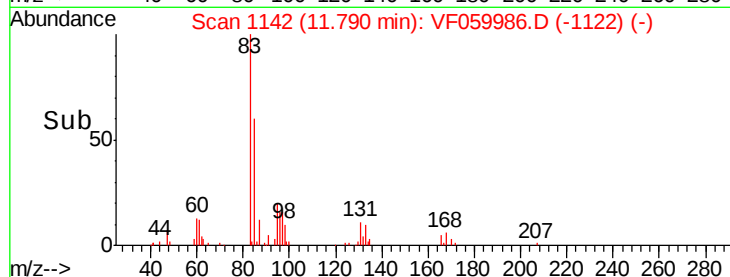
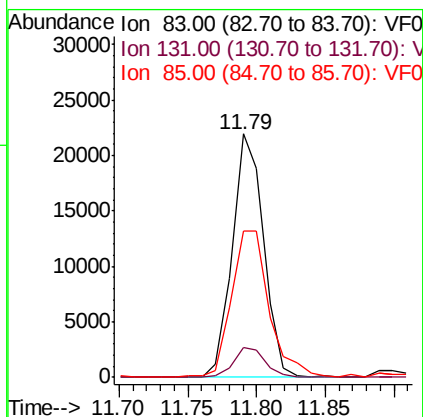
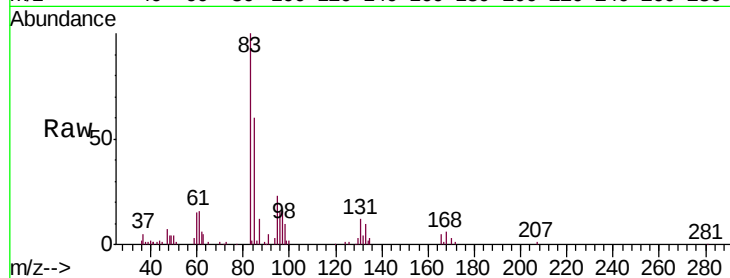
Tgt Ion: 83 Resp: 34726

Ion Ratio Lower Upper

83 100

131 12.4 7.2 21.6

85 59.9 34.1 102.2



#76

1,2,3-Trichloropropane

Concen: 21.630 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059986.D

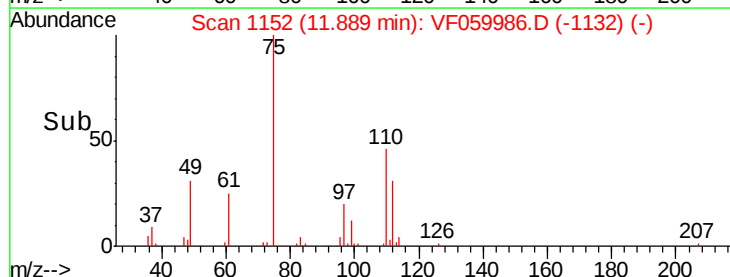
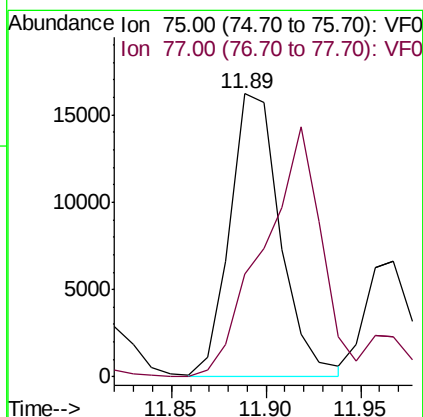
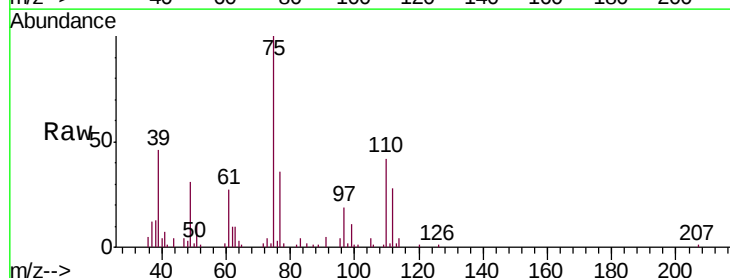
Acq: 17 Aug 2018 22:13

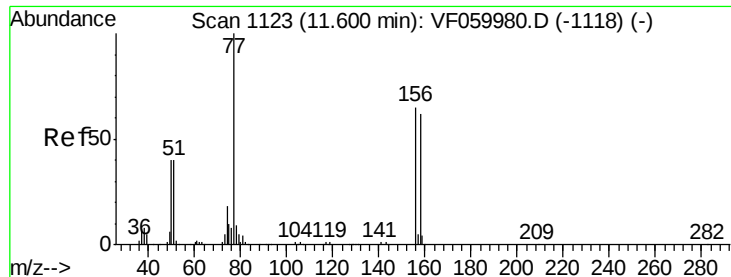
Tgt Ion: 75 Resp: 30127

Ion Ratio Lower Upper

75 100

77 36.4 17.1 51.3

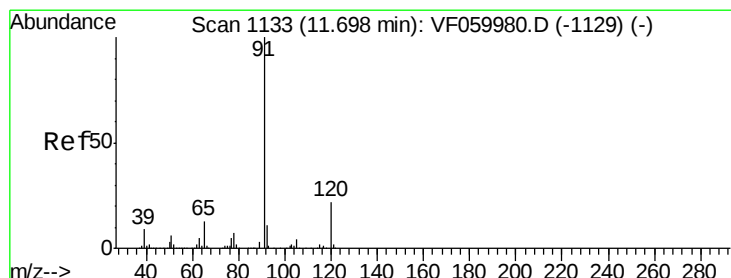
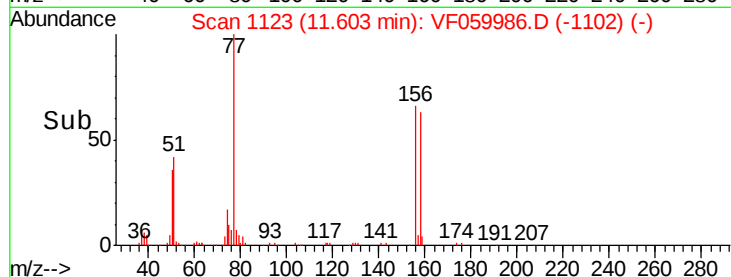
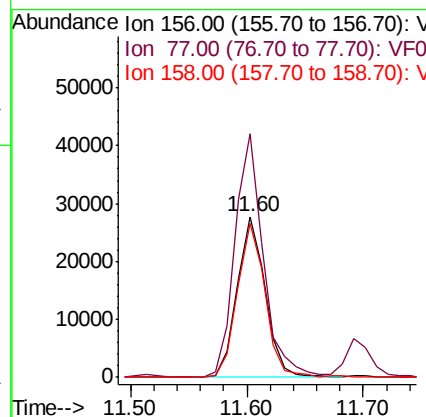
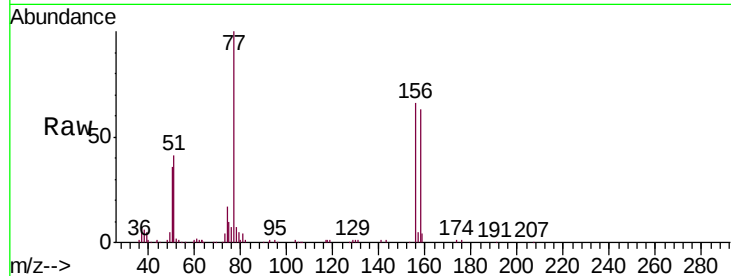




#77
Bromobenzene
Concen: 20.790 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

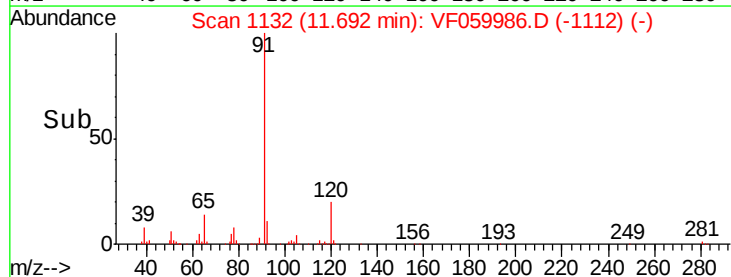
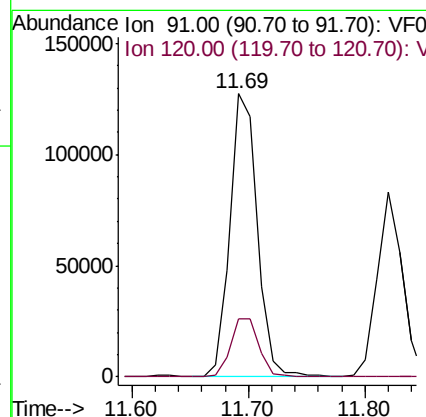
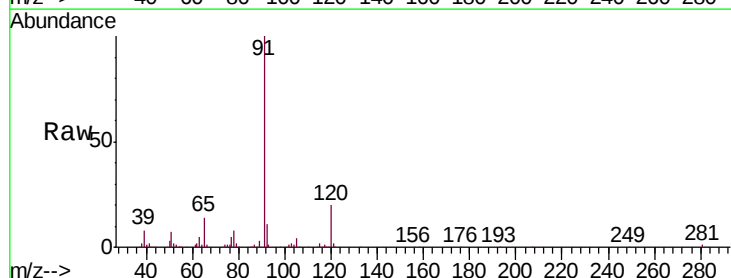
Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

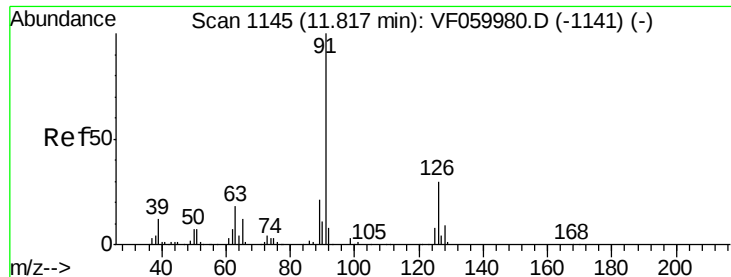
Tgt Ion:156 Resp: 46440
Ion Ratio Lower Upper
156 100
77 151.2 76.9 230.7
158 95.5 47.7 143.1



#78
n-propylbenzene
Concen: 20.848 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 91 Resp: 207295
Ion Ratio Lower Upper
91 100
120 20.4 11.0 33.0





#79

2-Chlorotoluene

Concen: 20.629 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

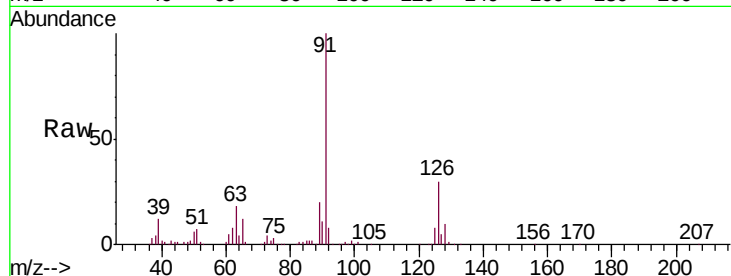
VF0817SBS01

Tgt Ion: 91 Resp: 124617

Ion Ratio Lower Upper

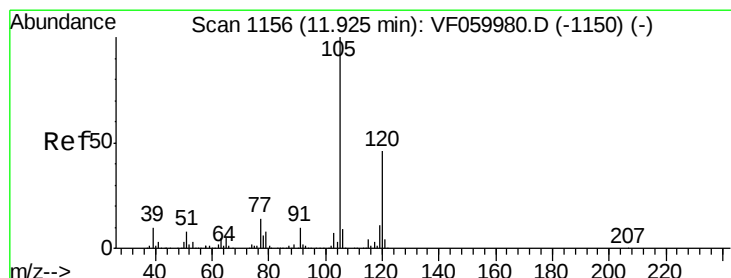
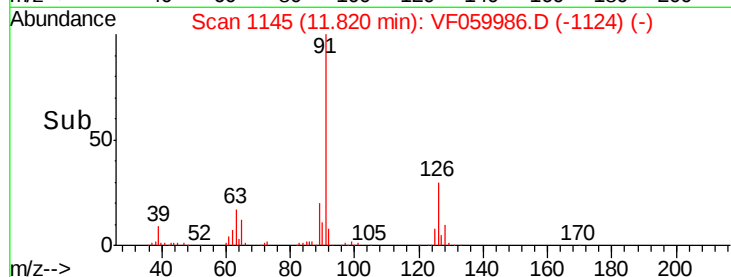
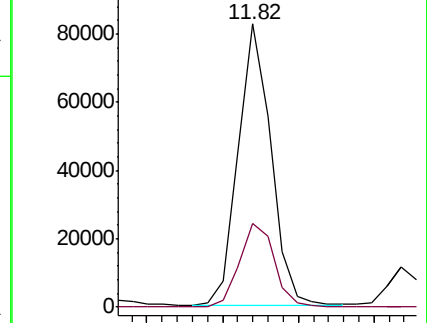
91 100

126 29.7 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.903 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059986.D

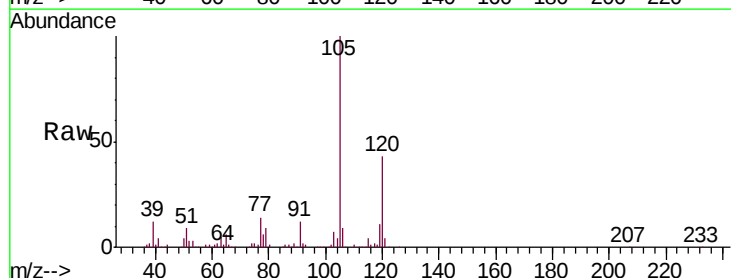
Acq: 17 Aug 2018 22:13

Tgt Ion:105 Resp: 151368

Ion Ratio Lower Upper

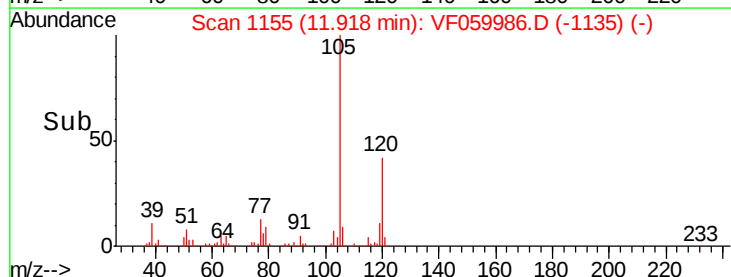
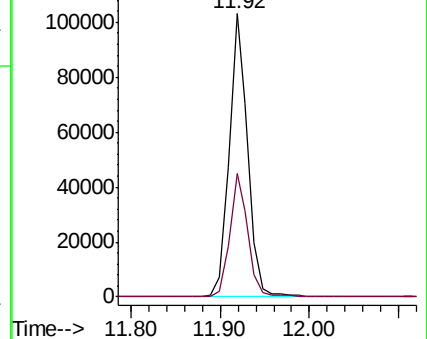
105 100

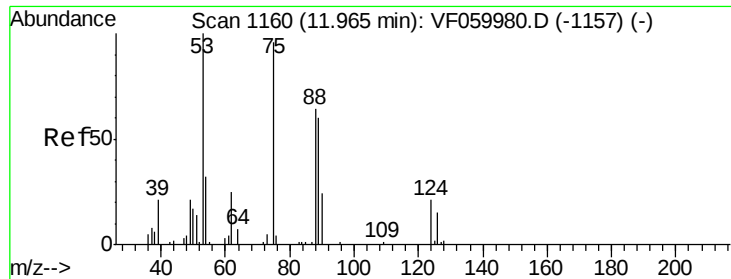
120 43.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 28.180 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

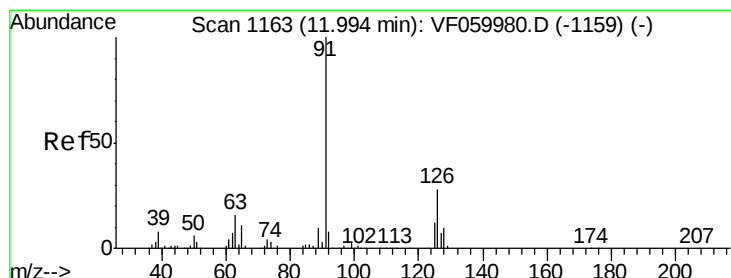
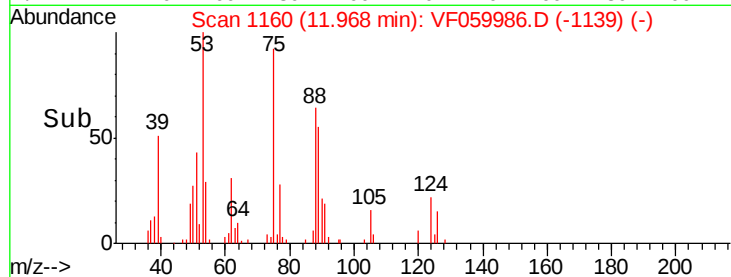
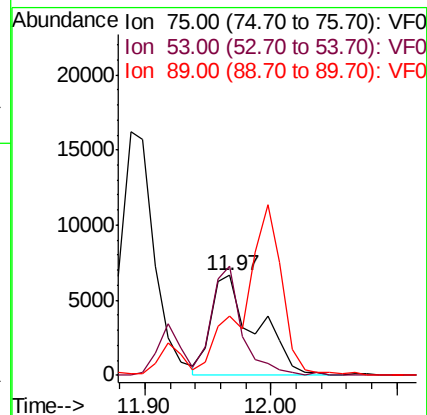
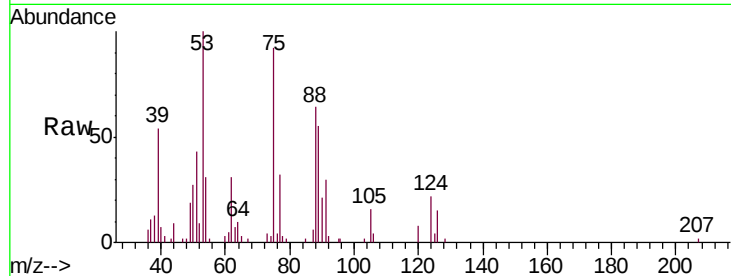
Tgt Ion: 75 Resp: 16567

Ion Ratio Lower Upper

75 100

53 109.0 87.4 131.0

89 60.1 52.8 79.2



#82

4-Chlorotoluene

Concen: 21.471 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059986.D

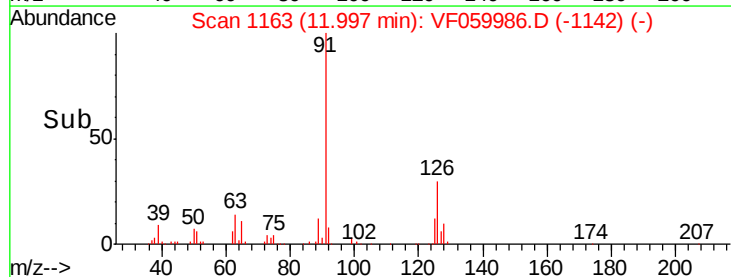
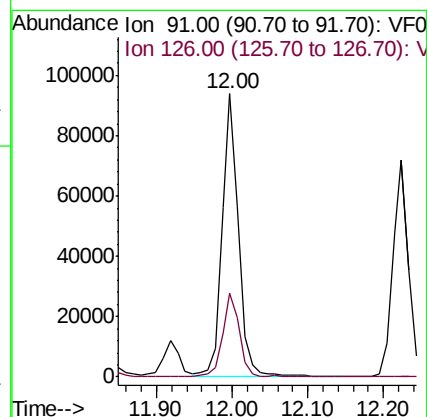
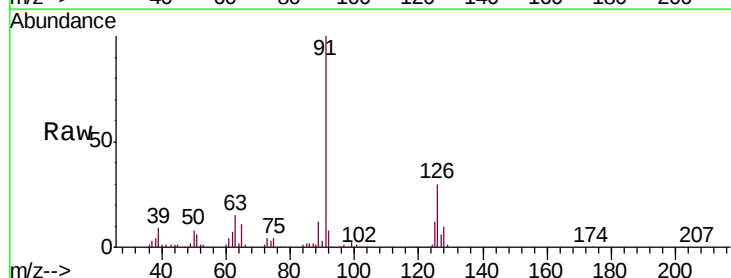
Acq: 17 Aug 2018 22:13

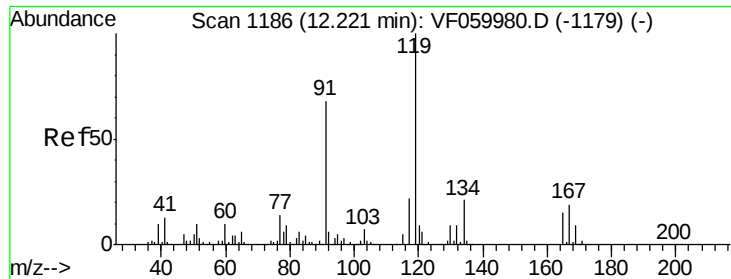
Tgt Ion: 91 Resp: 141937

Ion Ratio Lower Upper

91 100

126 29.5 14.1 42.4

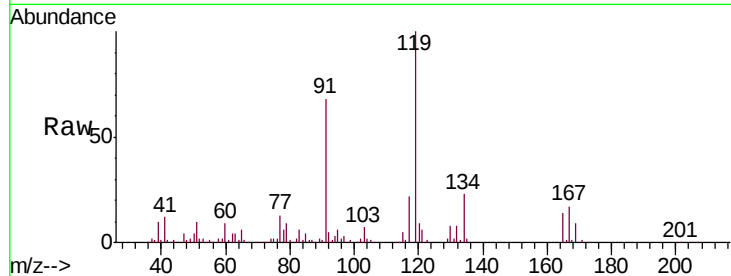




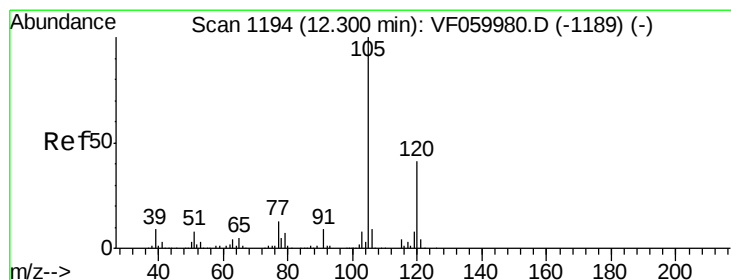
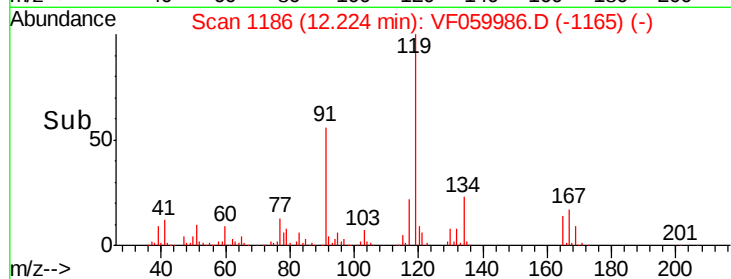
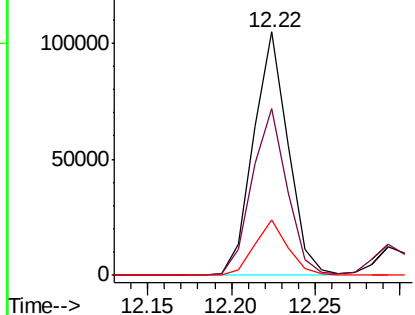
#83
 tert-Butylbenzene
 Concen: 21.045 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tgt Ion:119 Resp: 149728
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.1 102.2
 134 22.9 10.5 31.6

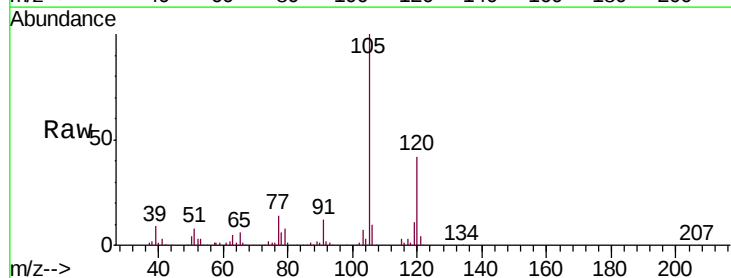


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

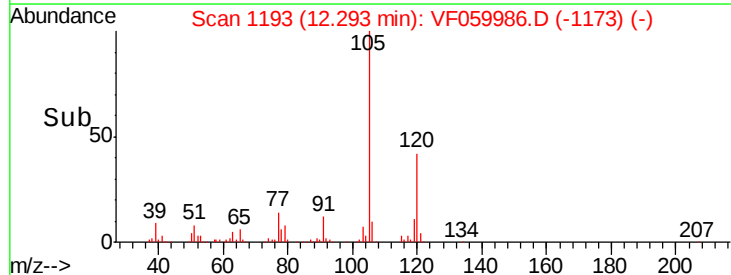
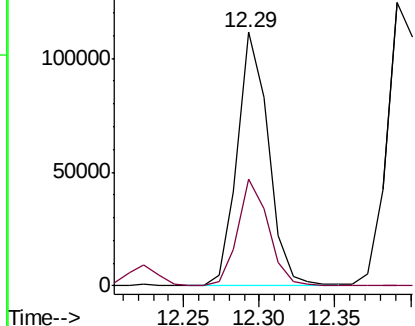


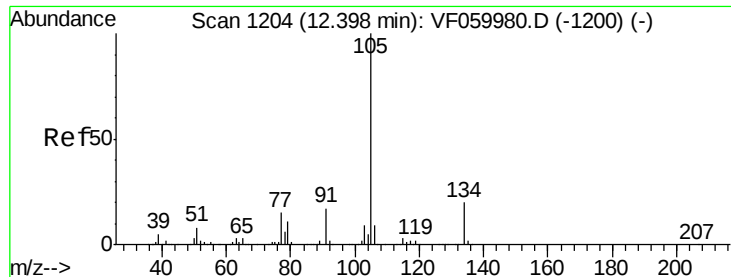
#84
 1,2,4-Trimethylbenzene
 Concen: 21.007 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion:105 Resp: 160178
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.9 62.7



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

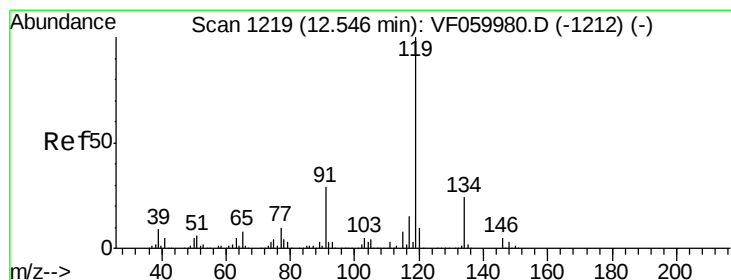
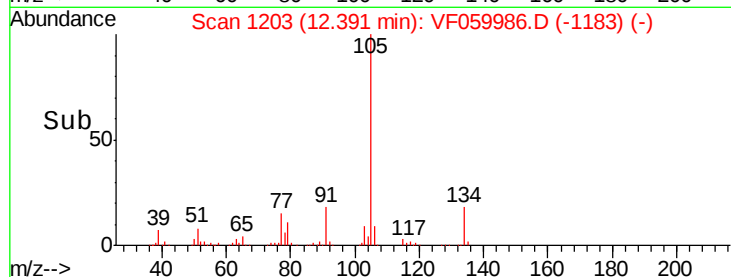
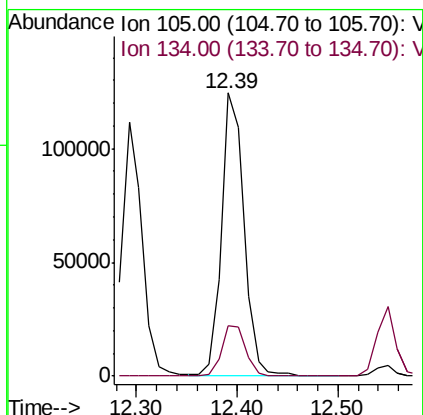
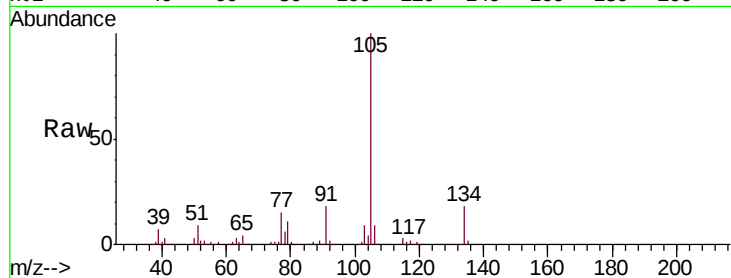




#85
 sec-Butylbenzene
 Concen: 20.643 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

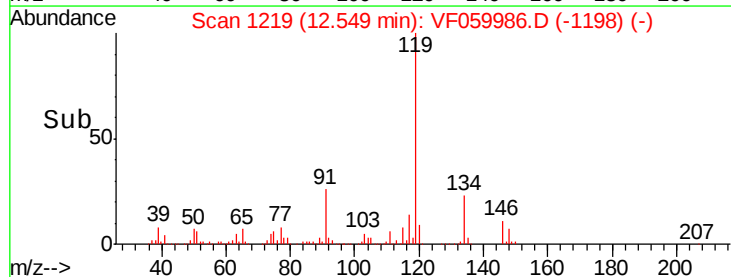
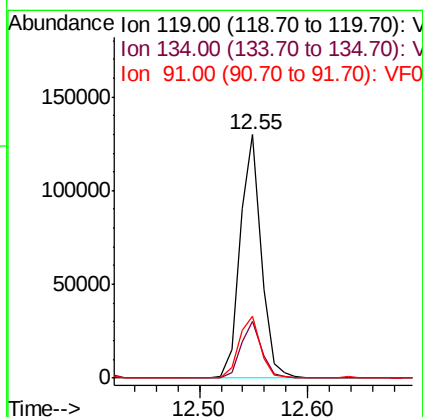
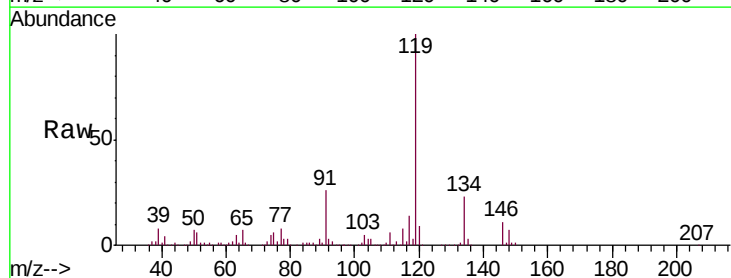
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

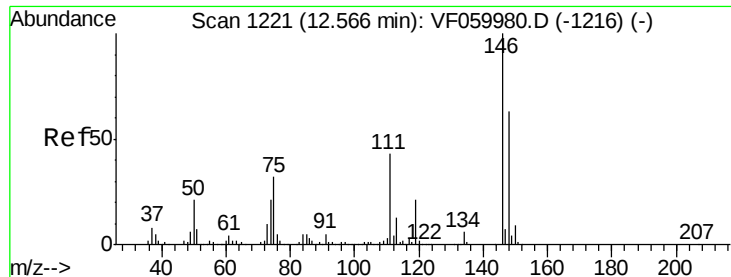
Tgt Ion:105 Resp: 194144
 Ion Ratio Lower Upper
 105 100
 134 17.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.112 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion:119 Resp: 175612
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.1 36.3
 91 25.7 14.4 43.4

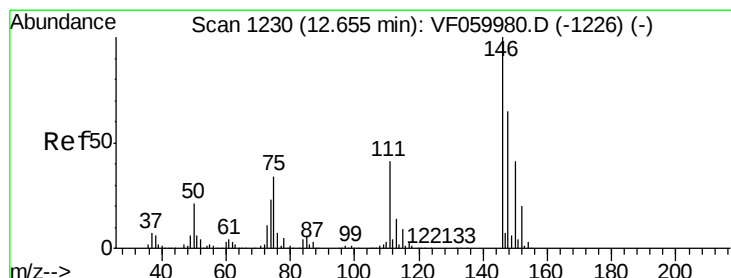
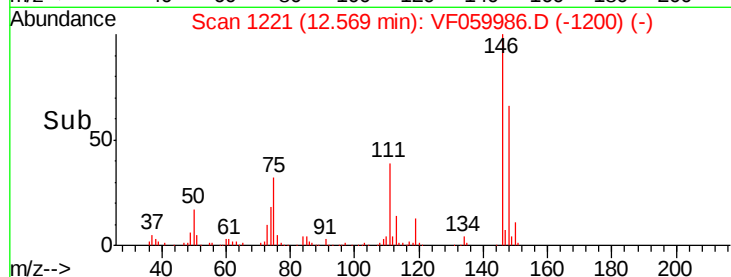
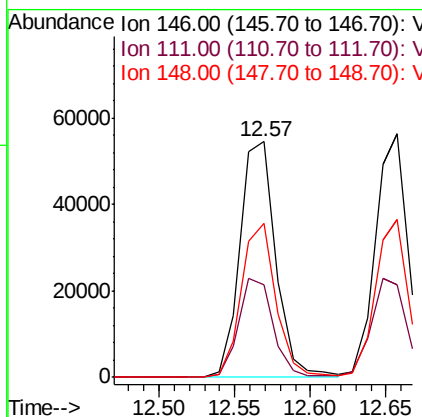
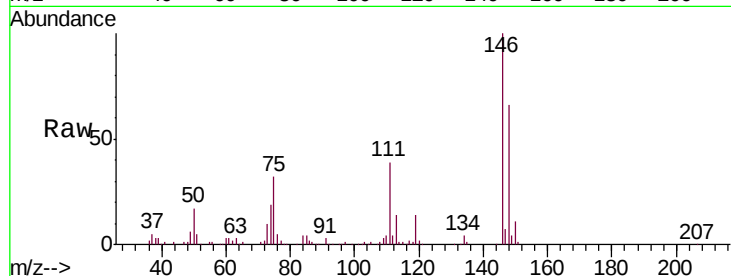




#87
 1,3-Dichlorobenzene
 Concen: 21.123 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

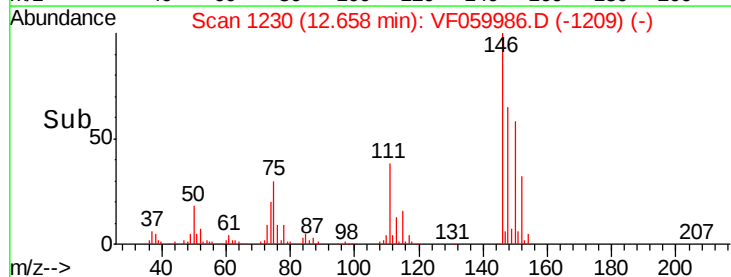
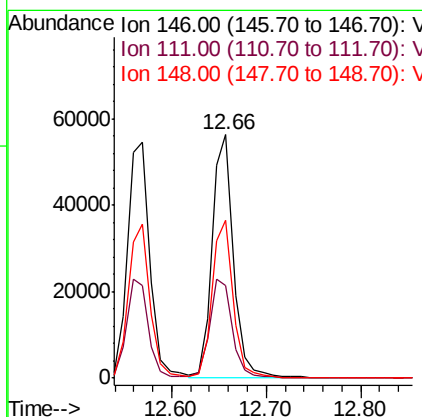
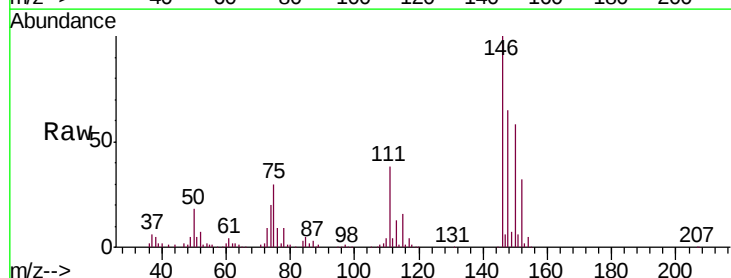
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

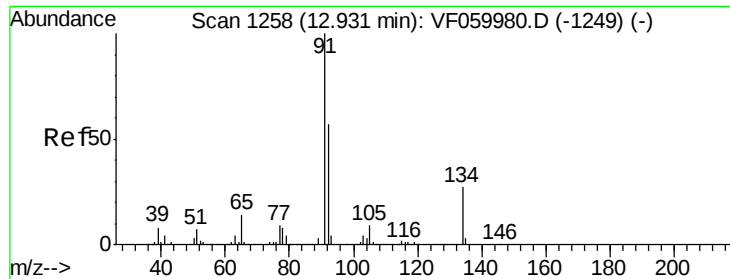
Tgt Ion:146 Resp: 90067
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.3 63.7
 148 65.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 21.199 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion:146 Resp: 88496
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.3 61.0
 148 65.0 32.6 97.8





#89

n-Butylbenzene

Concen: 21.046 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

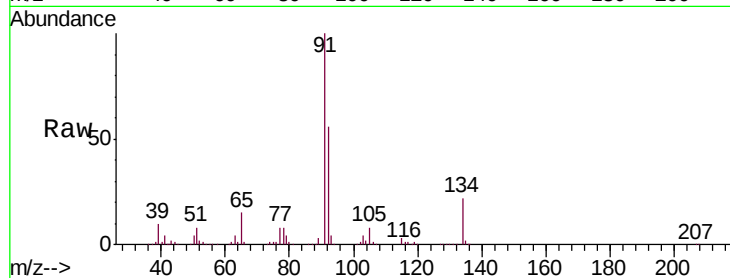
Tgt Ion: 91 Resp: 169155

Ion Ratio Lower Upper

91 100

92 55.5 28.7 86.3

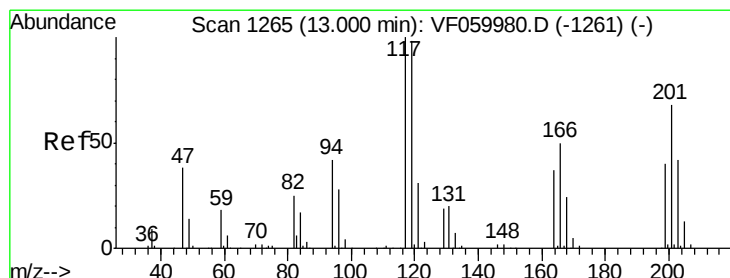
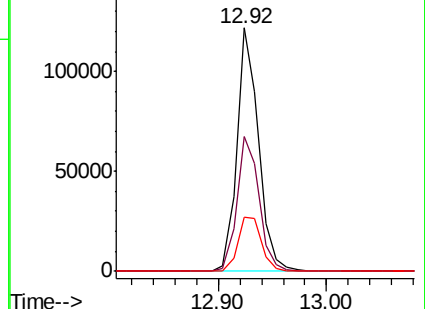
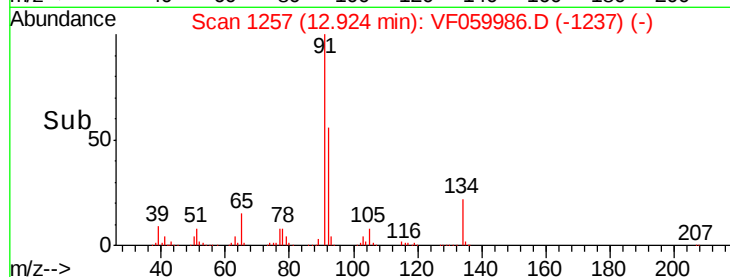
134 22.4 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.239 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059986.D

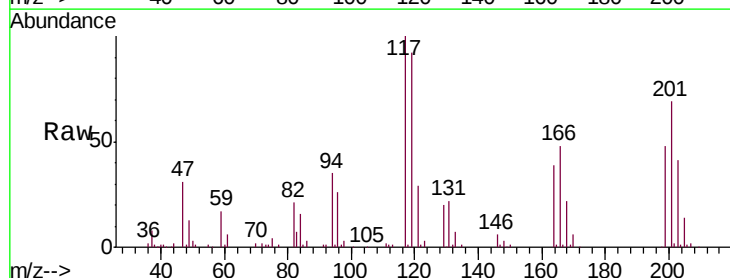
Acq: 17 Aug 2018 22:13

Tgt Ion: 117 Resp: 39796

Ion Ratio Lower Upper

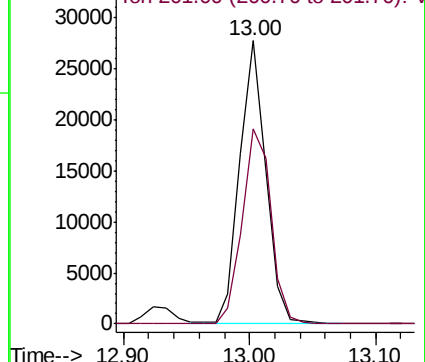
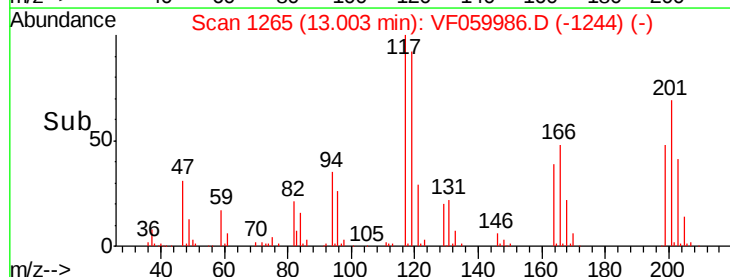
117 100

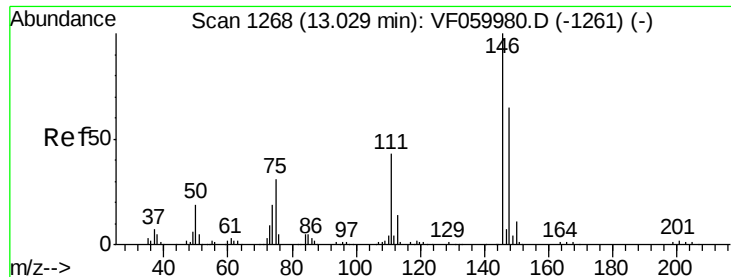
201 68.7 34.5 103.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

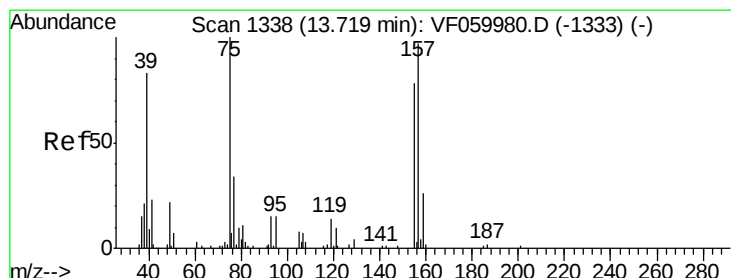
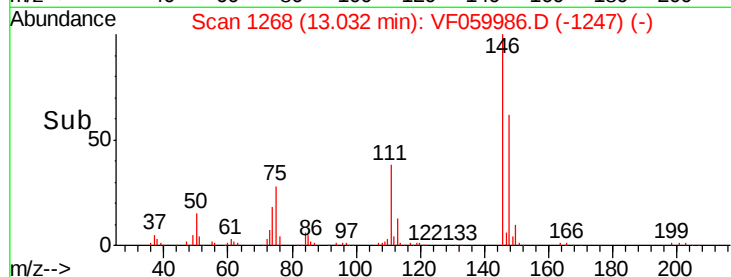
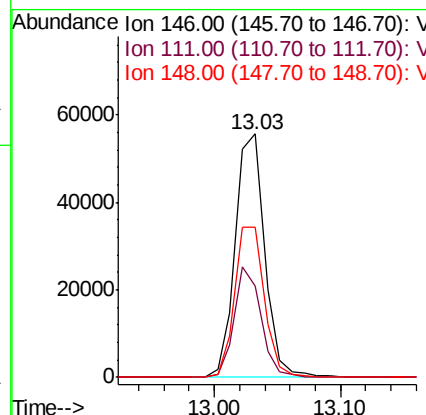
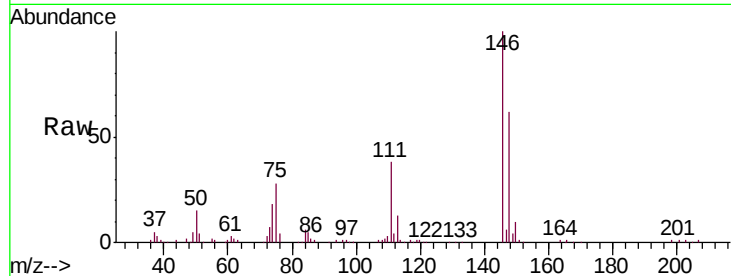




#91
 1,2-Dichlorobenzene
 Concen: 21.852 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

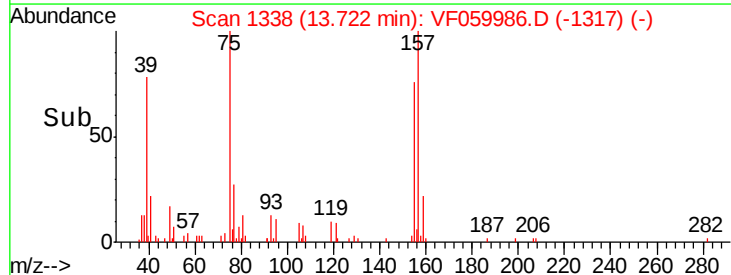
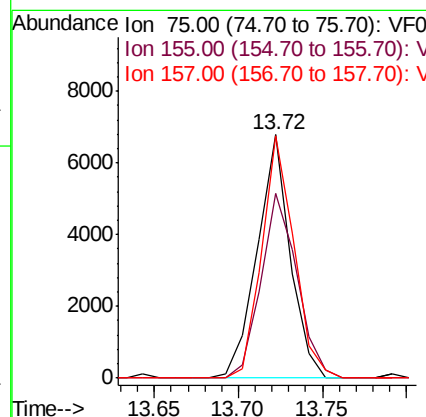
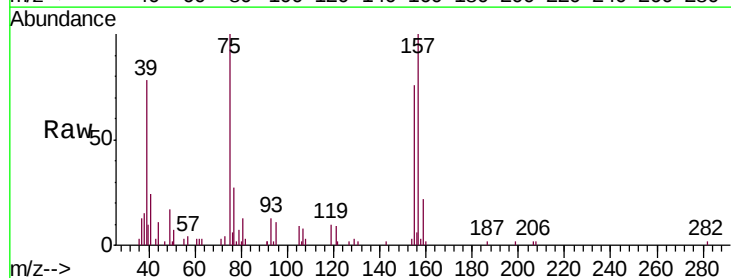
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

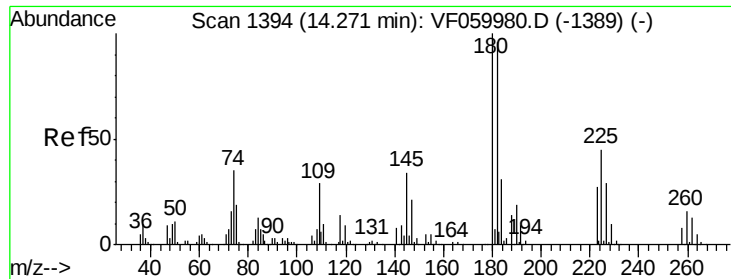
Tgt Ion: 146 Resp: 89183
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.4 64.3
 148 61.8 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.141 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion: 75 Resp: 9194
 Ion Ratio Lower Upper
 75 100
 155 76.1 38.9 116.7
 157 99.8 50.8 152.5

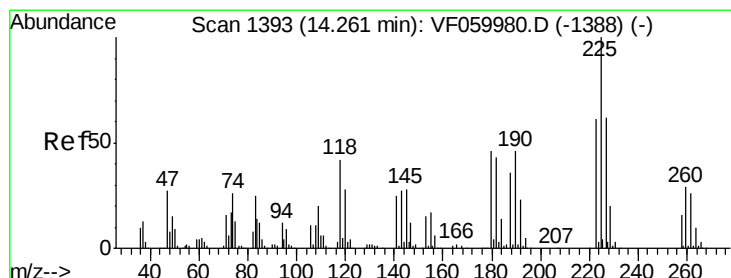
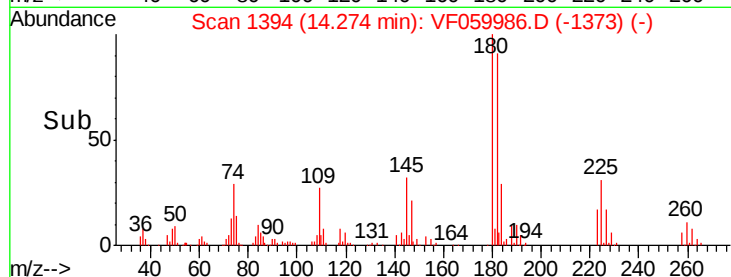
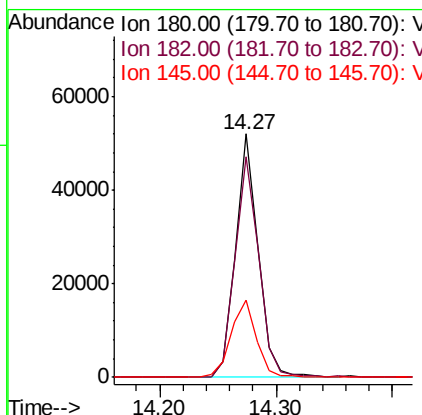
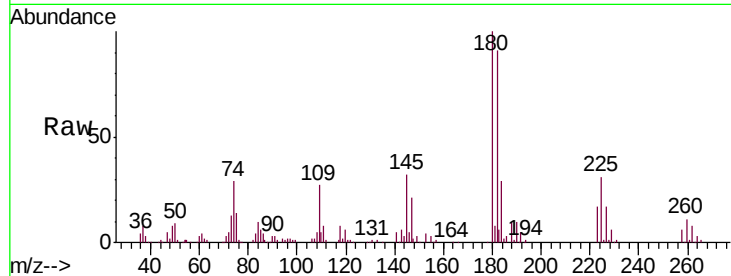




#93
 1,2,4-Trichlorobenzene
 Concen: 21.046 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

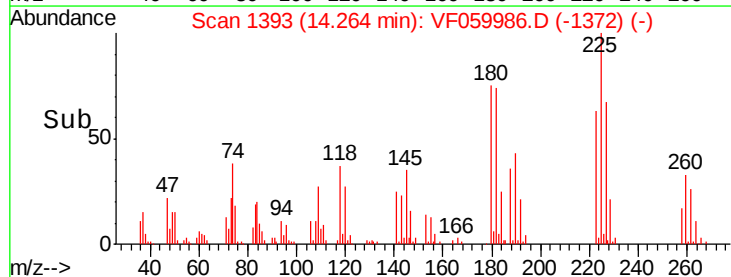
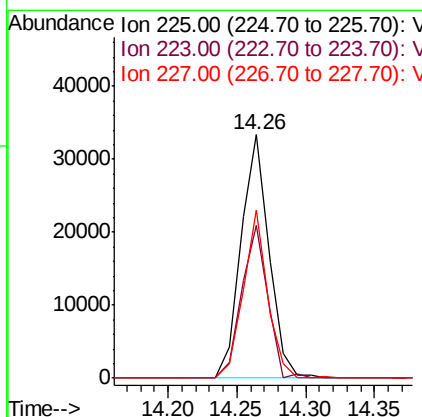
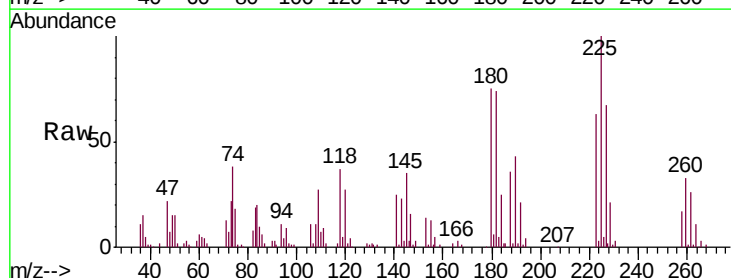
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

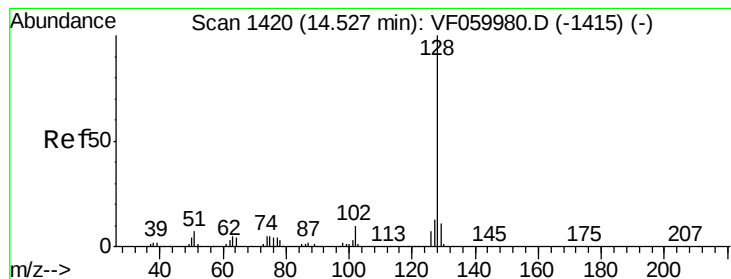
Tgt Ion:180 Resp: 70088
 Ion Ratio Lower Upper
 180 100
 182 90.8 47.9 143.6
 145 31.5 17.2 51.5



#94
 Hexachlorobutadiene
 Concen: 21.176 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion:225 Resp: 47241
 Ion Ratio Lower Upper
 225 100
 223 62.6 29.1 87.4
 227 69.3 29.8 89.5





#95

Naphthalene

Concen: 20.149 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

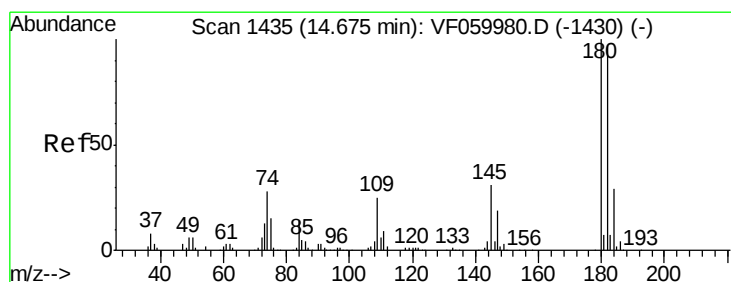
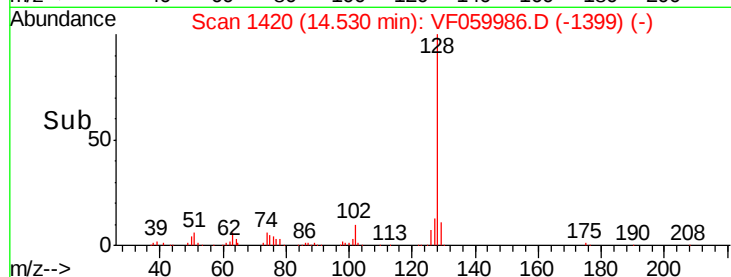
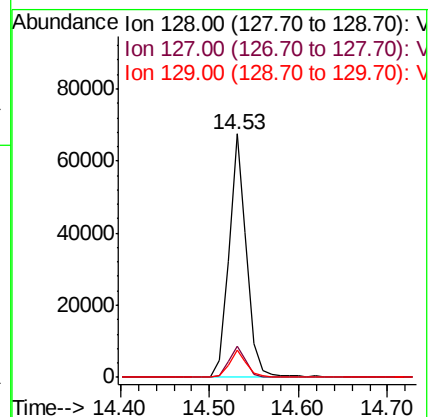
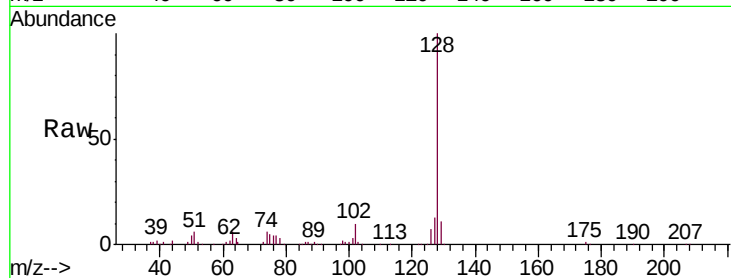
Tgt Ion:128 Resp: 94449

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.3 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 20.915 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:180 Resp: 67157

Ion Ratio Lower Upper

180 100

182 98.2 48.5 145.5

145 30.2 15.7 47.1

