

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081018\
 Data File : VF059939.D
 Acq On : 10 Aug 2018 12:42
 Operator : VA/AP
 Sample : VF0810SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Quant Time: Aug 10 23:02:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	110585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	159721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	158046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	105202	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	99226	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	4.30	113	80913	50.92	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	7.72	98	184424	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	11.52	95	105559	55.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	39660	20.990	ug/l	95
3) Chloromethane	1.08	50	19417	22.216	ug/l	90
4) Vinyl Chloride	1.15	62	18255	20.388	ug/l #	86
5) Bromomethane	1.34	94	17500	20.707	ug/l	85
6) Chloroethane	1.43	64	12126	21.562	ug/l	96
7) Trichlorofluoromethane	1.53	101	52930	21.599	ug/l	93
8) Diethyl Ether	1.70	74	7504	19.297	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	28467	21.050	ug/l	88
10) Methyl Iodide	1.98	142	45615	21.956	ug/l #	92
11) Tert butyl alcohol	2.68	59	8349	103.821	ug/l	95
12) 1,1-Dichloroethene	1.86	96	21688	21.956	ug/l #	78
13) Acrolein	2.09	56	4082	84.700	ug/l	87
14) Allyl chloride	2.19	41	29705	18.037	ug/l	96
15) Acrylonitrile	3.07	53	13733	93.194	ug/l #	87
16) Acetone	2.34	43	49962	135.748	ug/l	99
17) Carbon Disulfide	1.89	76	55700	21.123	ug/l	95
18) Methyl Acetate	2.54	43	21308	34.319	ug/l	91
19) Methyl tert-butyl Ether	2.54	73	58490	20.914	ug/l	98
20) Methylene Chloride	2.27	84	9789	5.304	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	20132	20.517	ug/l	94
22) Diisopropyl ether	2.92	45	66006	20.833	ug/l	98
23) Vinyl Acetate	3.34	43	175962	114.726	ug/l	98
24) 1,1-Dichloroethane	3.00	63	47584	20.623	ug/l	98
25) 2-Butanone	4.51	43	48524	121.250	ug/l	97
26) 2,2-Dichloropropane	3.77	77	31066	23.128	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	22958	20.808	ug/l	89
28) Bromochloromethane	3.89	49	17481	21.456	ug/l #	80
29) Tetrahydrofuran	4.26	42	16535	112.233	ug/l	93
30) Chloroform	4.04	83	63159	20.234	ug/l	96
31) Cyclohexane	3.87	56	24957	21.854	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	54582	21.857	ug/l #	91
36) 1,1-Dichloropropene	4.47	75	41610	22.523	ug/l	97
37) Ethyl Acetate	4.29	43	17183	21.662	ug/l #	75
38) Carbon Tetrachloride	4.18	117	63626	24.057	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	30415	21.953	ug/l	97
40) Benzene	4.82	78	66000	18.921	ug/l	98
41) Methacrylonitrile	4.93	41	8636	20.630	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	51798	20.248	ug/l	100
43) Isopropyl Acetate	7.12	43	18042	22.089	ug/l #	96
44) Trichloroethene	5.67	130	27363	22.239	ug/l	91
45) 1,2-Dichloropropane	6.40	63	17912	21.128	ug/l	99
46) Dibromomethane	6.27	93	16653	19.467	ug/l	90
47) Bromodichloromethane	6.55	83	50441	21.558	ug/l	95
48) Methyl methacrylate	6.88	41	13662	21.500	ug/l	97
49) 1,4-Dioxane	6.87	88	1949	473.017	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	89572	107.255	ug/l	99
52) Toluene	7.78	92	53832	23.070	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	42470	23.863	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	42016	22.874	ug/l #	89
55) 1,1,2-Trichloroethane	8.65	97	17226	20.508	ug/l	94
56) Ethyl methacrylate	8.77	69	17377	20.956	ug/l	96
57) 1,3-Dichloropropane	9.01	76	31483	21.828	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	12649	113.827	ug/l	100
59) 2-Hexanone	9.64	43	68954	116.884	ug/l	95
60) Dibromochloromethane	8.87	129	33202	21.069	ug/l	94
61) 1,2-Dibromoethane	9.14	107	22110	21.603	ug/l	94
64) Tetrachloroethene	8.32	164	26244	19.249	ug/l	94
65) Chlorobenzene	9.95	112	72666	22.652	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	33612	21.063	ug/l	91
67) Ethyl Benzene	10.05	91	131129	23.463	ug/l	97
68) m/p-Xylenes	10.28	106	88073	45.588	ug/l	97
69) o-Xylene	10.84	106	43707	21.356	ug/l	99
70) Styrene	10.91	104	69462	22.745	ug/l	99
71) Bromoform	10.90	173	21079	21.554	ug/l	96
73) Isopropylbenzene	11.23	105	154805	23.625	ug/l	98
74) N-amyl acetate	11.47	43	33435	22.358	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	24872	20.217	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	21734	20.569	ug/l	96
77) Bromobenzene	11.60	156	38864	21.809	ug/l	93
78) n-propylbenzene	11.70	91	180427	23.316	ug/l	99
79) 2-Chlorotoluene	11.82	91	109122	22.292	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	138161	22.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	13290	35.016	ug/l	93
82) 4-Chlorotoluene	11.99	91	123257	23.189	ug/l	96
83) tert-Butylbenzene	12.22	119	136122	22.983	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	142349	22.747	ug/l	99
85) sec-Butylbenzene	12.40	105	177339	22.534	ug/l	96
86) p-Isopropyltoluene	12.55	119	157683	23.839	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	75244	22.285	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	74163	22.375	ug/l	94
89) n-Butylbenzene	12.92	91	152188	24.142	ug/l	95
90) Hexachloroethane	13.00	117	39167	21.458	ug/l	87
91) 1,2-Dichlorobenzene	13.03	146	74415	22.903	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	6506	20.978	ug/l	82

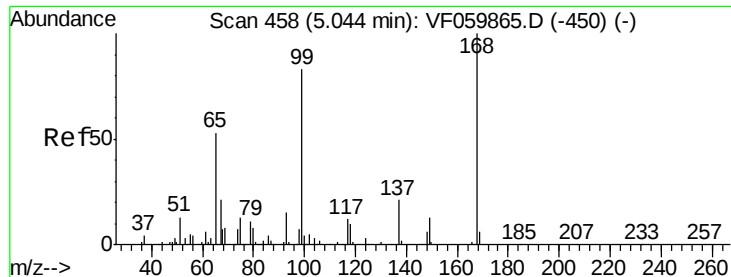
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF081018\
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	55515	22.504	ug/l	95
94) Hexachlorobutadiene	14.26	225	39726	22.796	ug/l	98
95) Naphthalene	14.53	128	93769	21.955	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	53264	21.864	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

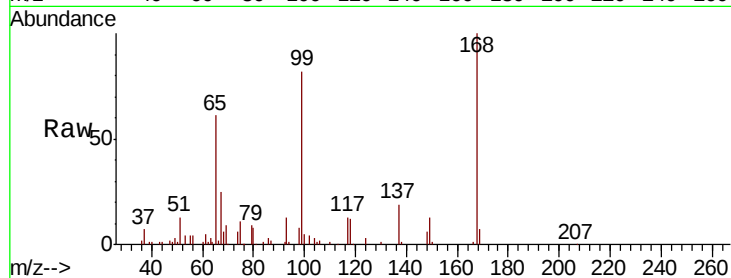
VF0810SBS01

Tgt Ion:168 Resp: 110585

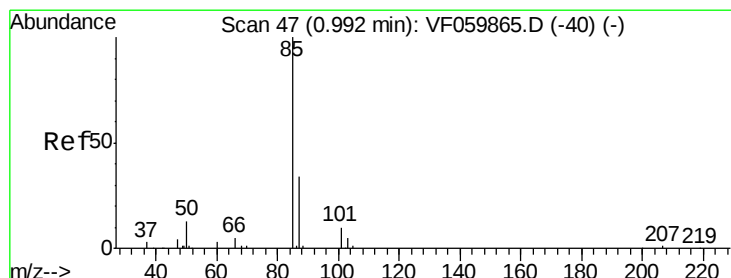
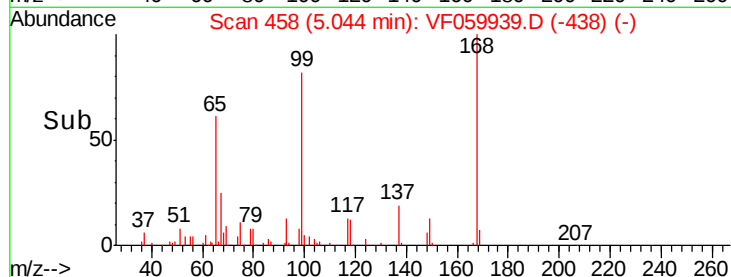
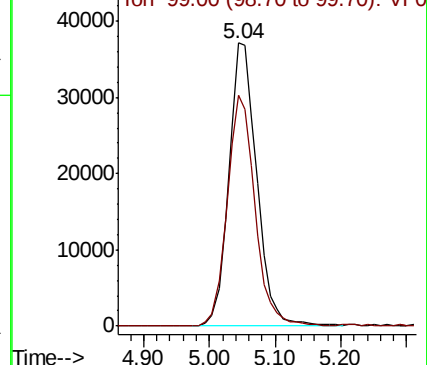
Ion Ratio Lower Upper

168 100

99 81.6 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.990 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059939.D

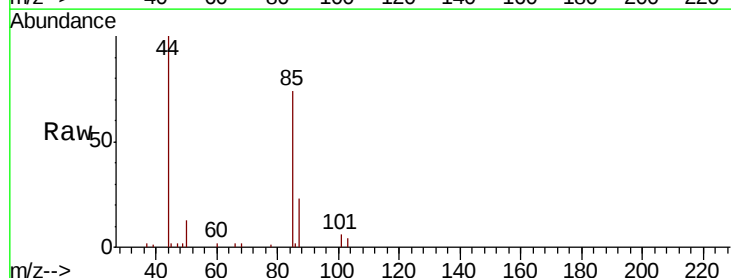
Acq: 10 Aug 2018 12:42

Tgt Ion: 85 Resp: 39660

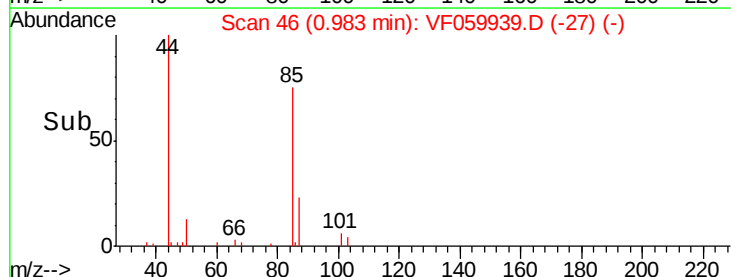
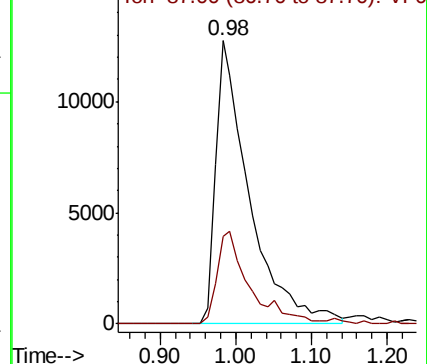
Ion Ratio Lower Upper

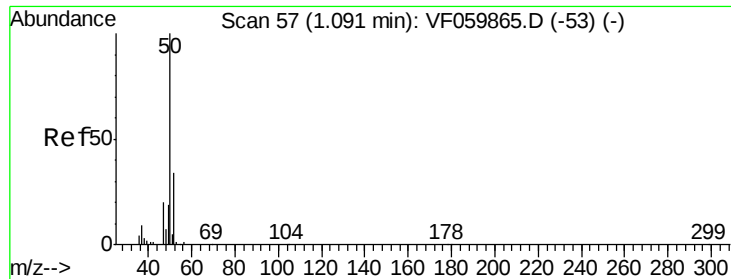
85 100

87 31.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 22.216 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

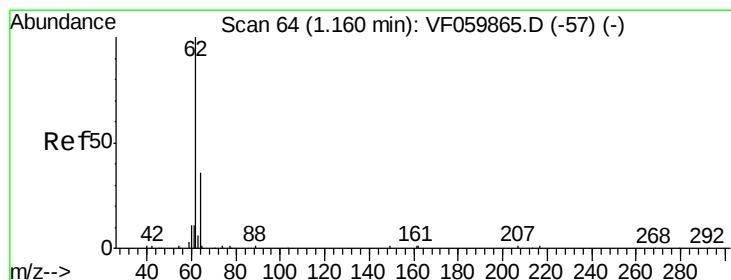
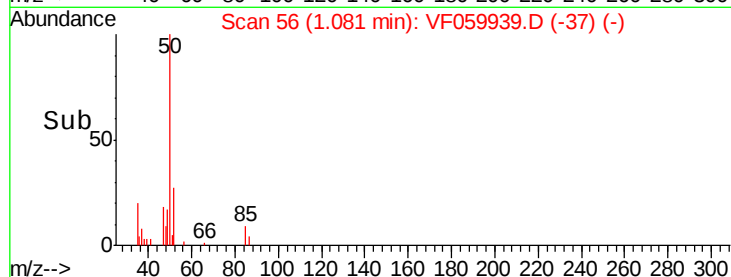
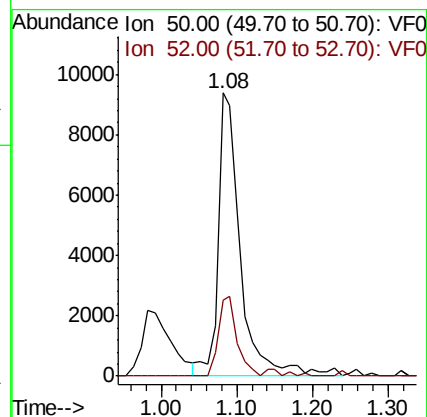
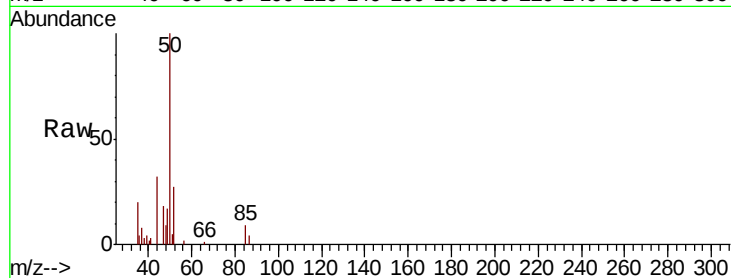
VF0810SBS01

Tgt Ion: 50 Resp: 19417

Ion Ratio Lower Upper

50 100

52 26.7 25.8 38.8



#4

Vinyl Chloride

Concen: 20.388 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059939.D

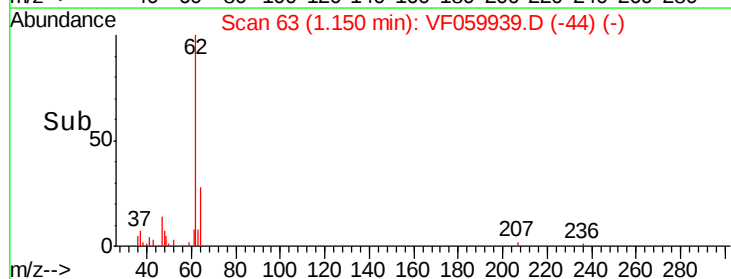
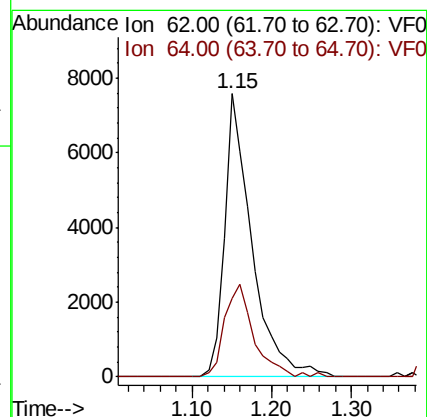
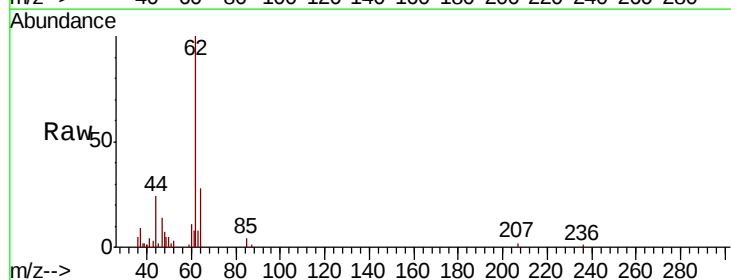
Acq: 10 Aug 2018 12:42

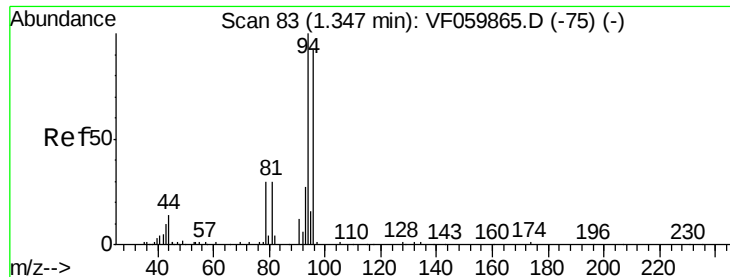
Tgt Ion: 62 Resp: 18255

Ion Ratio Lower Upper

62 100

64 27.6 28.5 42.7#





#5

Bromomethane

Concen: 20.707 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

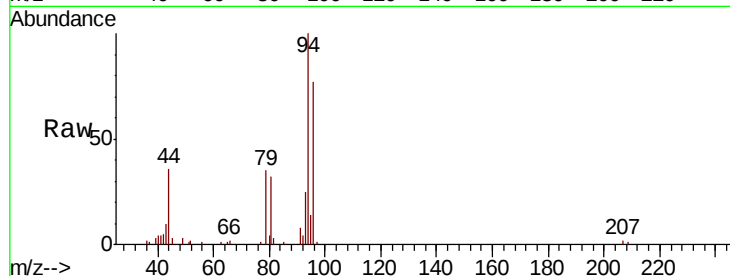
VF0810SBS01

Tgt Ion: 94 Resp: 17500

Ion Ratio Lower Upper

94 100

96 77.5 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

6000

4000

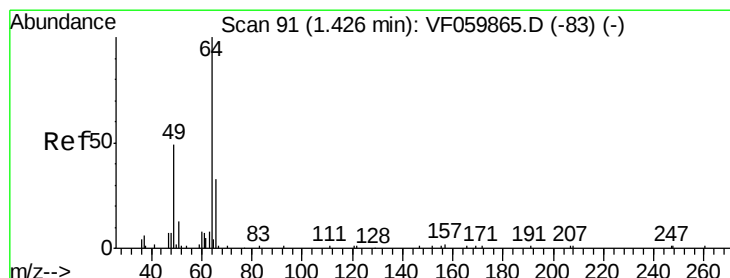
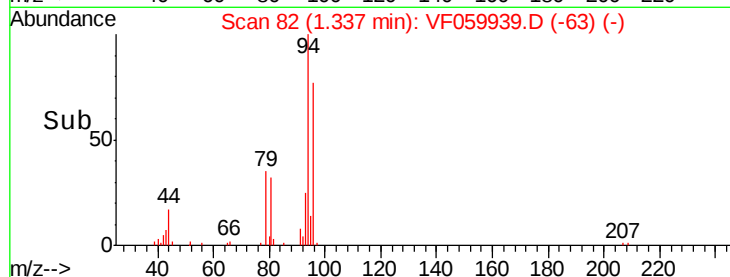
2000

0

1.34

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 21.562 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059939.D

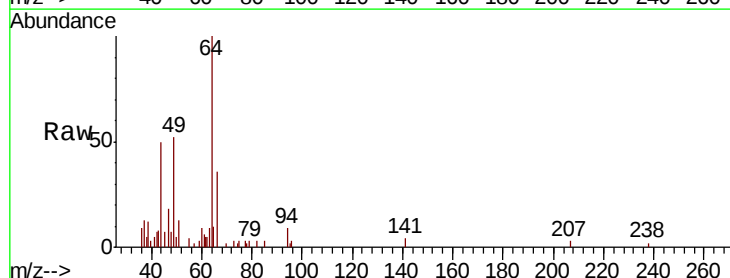
Acq: 10 Aug 2018 12:42

Tgt Ion: 64 Resp: 12126

Ion Ratio Lower Upper

64 100

66 36.1 26.9 40.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

5000

4000

3000

2000

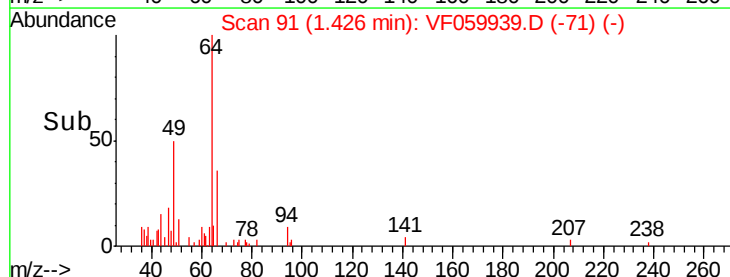
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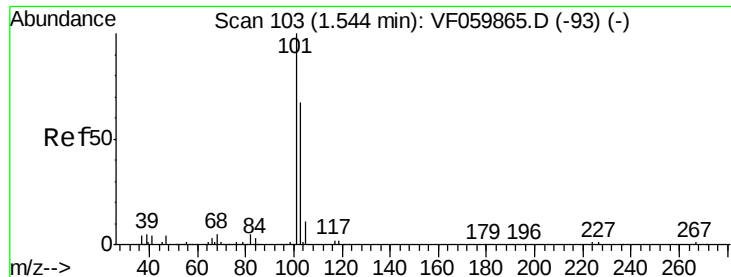
0

1.43

1.30 1.40 1.50 1.60

Time-->



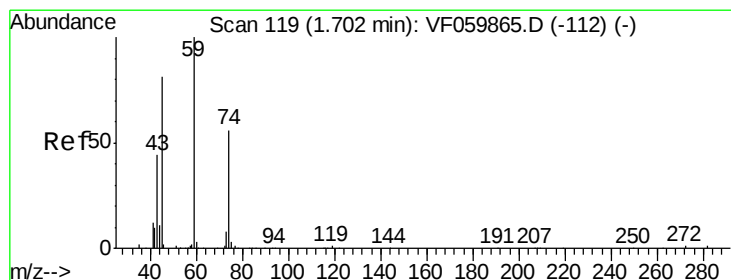
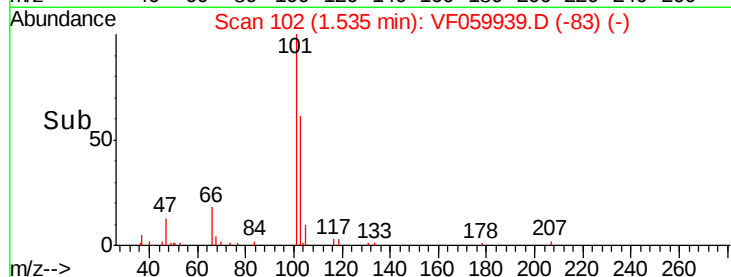
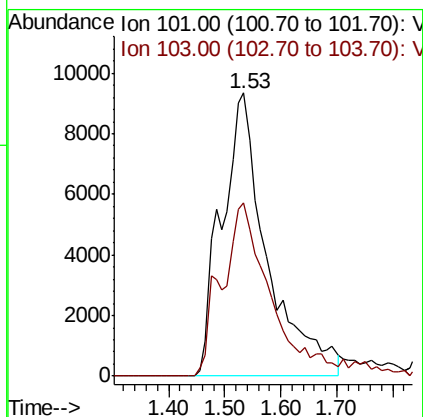
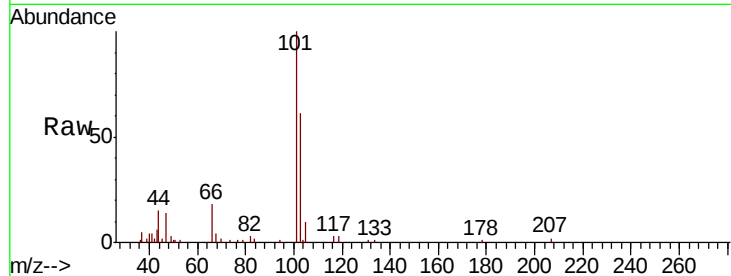


#7

Trichlorofluoromethane
Concen: 21.599 ug/l
RT: 1.53 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

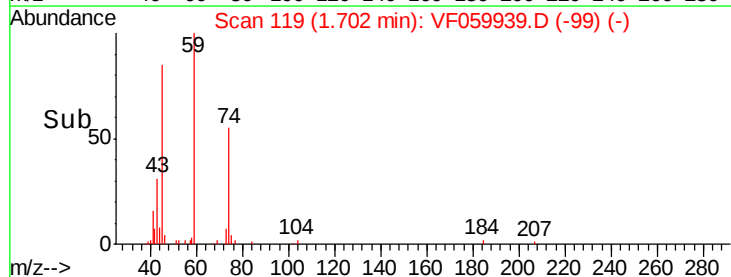
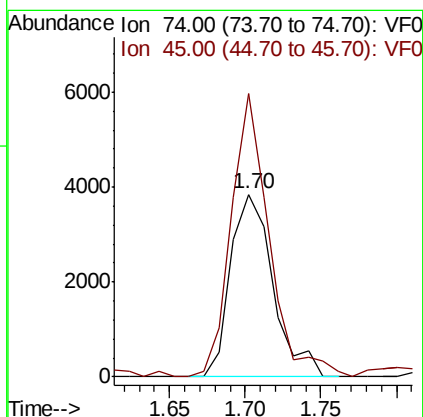
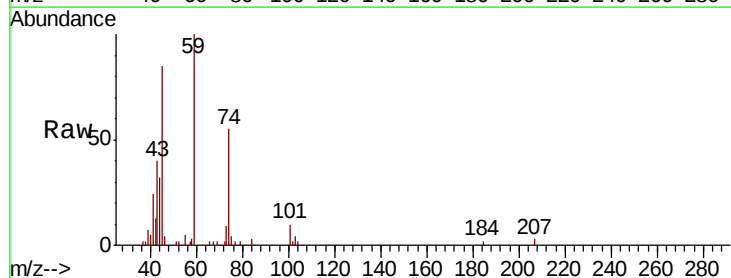
Tgt Ion:101 Resp: 52930
Ion Ratio Lower Upper
101 100
103 61.3 53.6 80.4

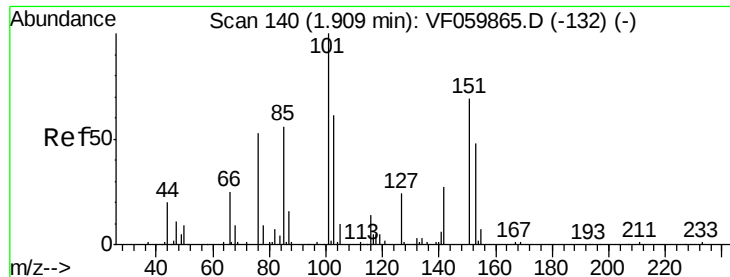


#8

Diethyl Ether
Concen: 19.297 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion: 74 Resp: 7504
Ion Ratio Lower Upper
74 100
45 154.9 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.050 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

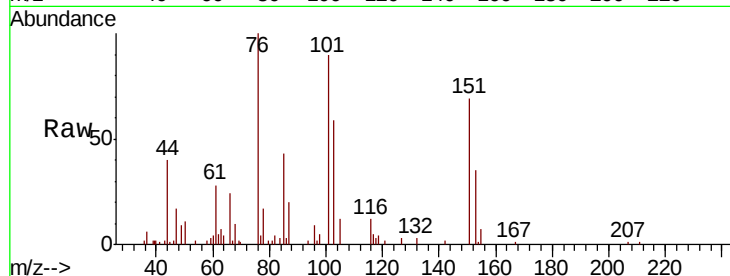
Tgt Ion:101 Resp: 28467

Ion Ratio Lower Upper

101 100

85 48.0 44.5 66.7

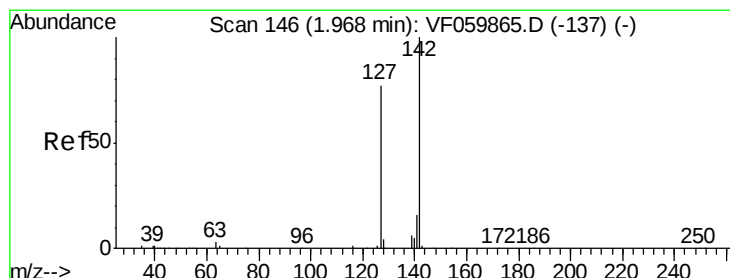
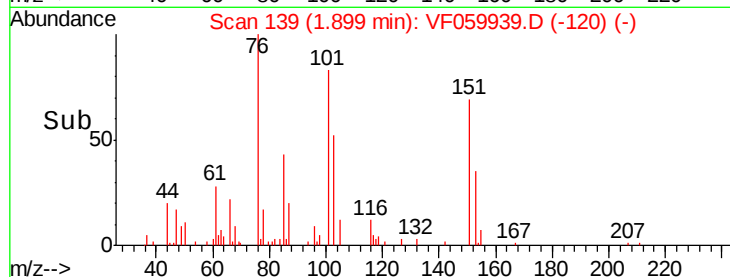
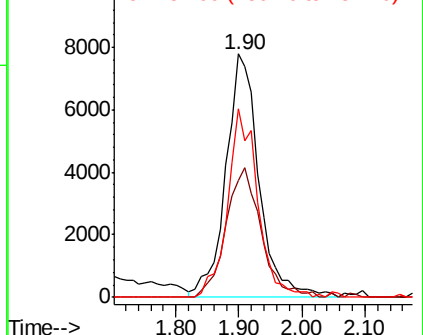
151 77.5 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 21.956 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

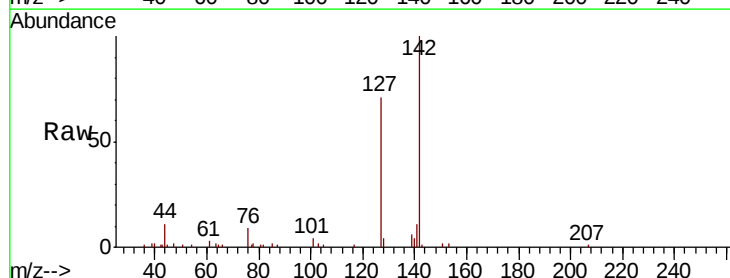
Tgt Ion:142 Resp: 45615

Ion Ratio Lower Upper

142 100

127 71.2 61.5 92.3

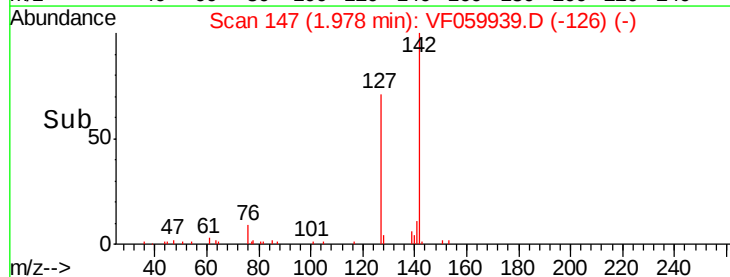
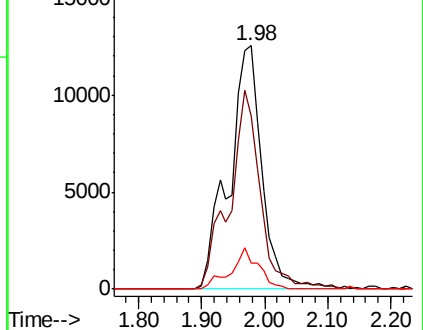
141 10.9 13.0 19.4#

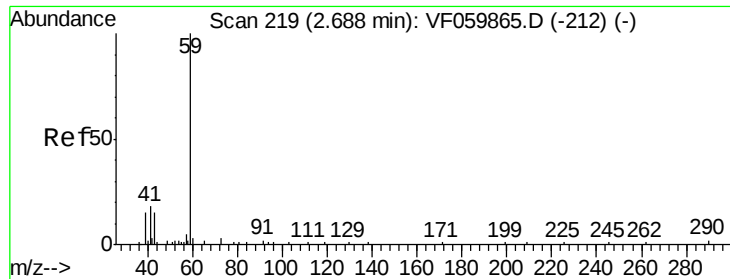


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

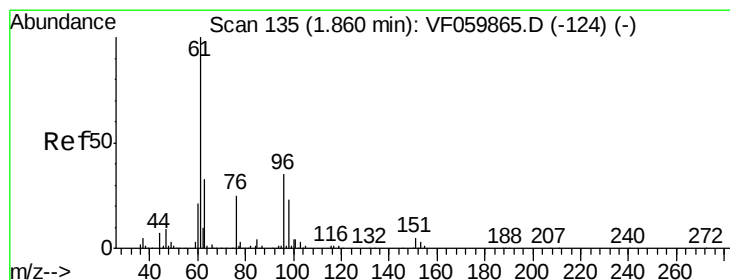
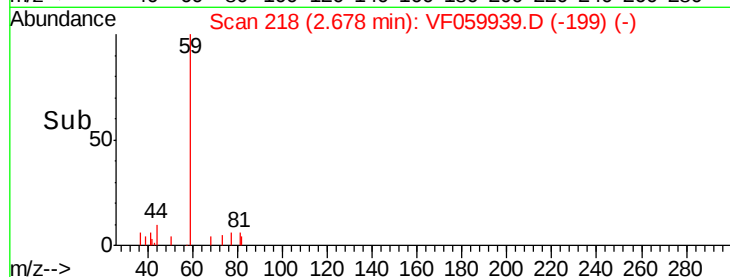
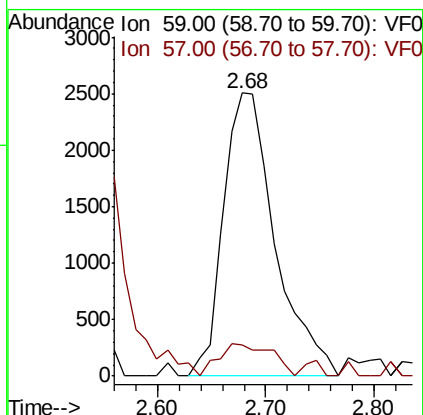
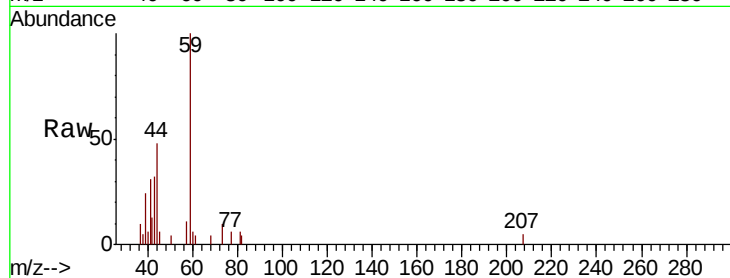




#11
Tert butyl alcohol
Concen: 103.821 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

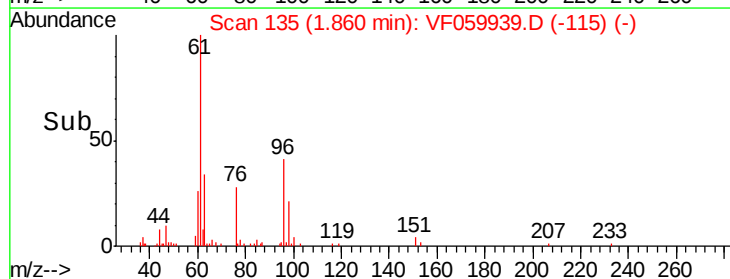
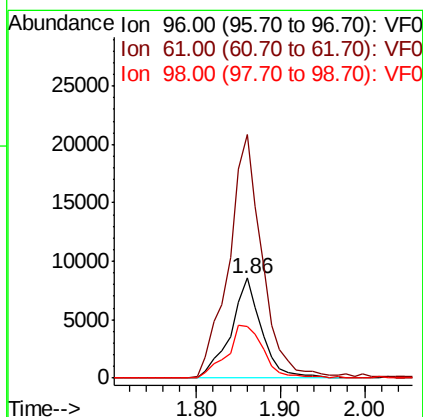
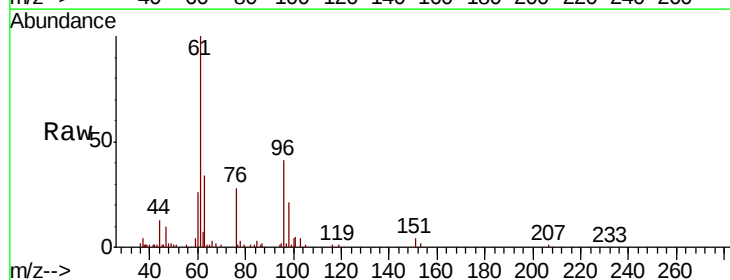
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

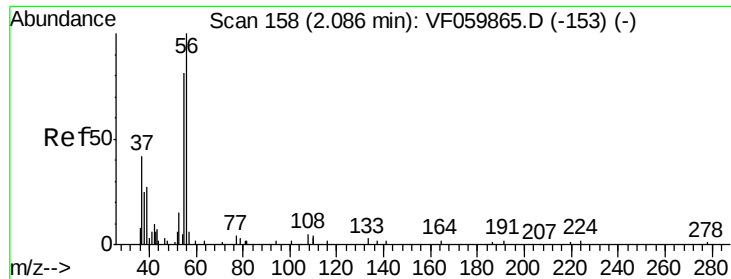
Tgt Ion: 59 Resp: 8349
Ion Ratio Lower Upper
59 100
57 11.2 7.6 11.4



#12
1,1-Dichloroethene
Concen: 21.956 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion: 96 Resp: 21688
Ion Ratio Lower Upper
96 100
61 243.8 230.2 345.2
98 51.4 52.7 79.1#





#13

Acrolein

Concen: 84.700 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

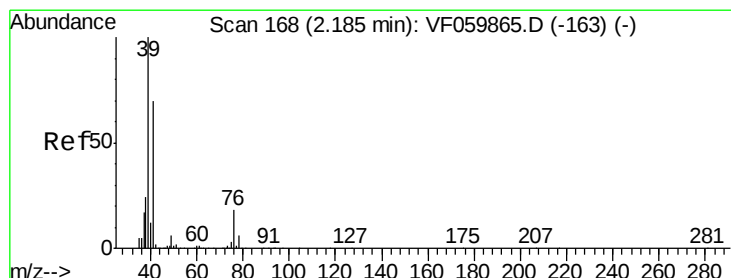
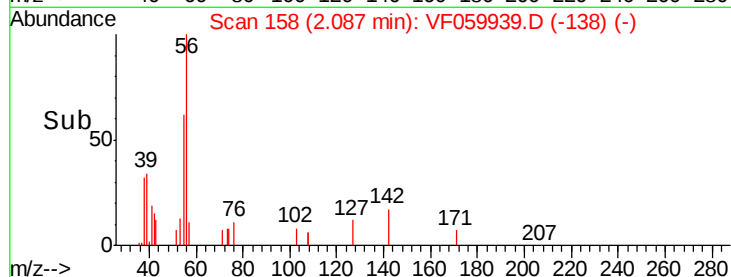
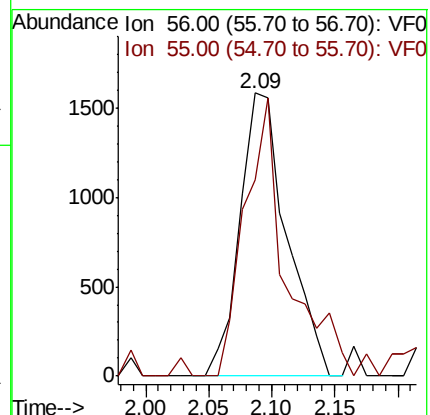
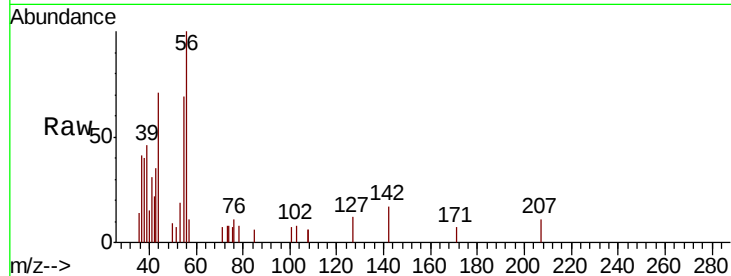
VF0810SBS01

Tgt Ion: 56 Resp: 4082

Ion Ratio Lower Upper

56 100

55 69.4 64.6 96.8



#14

Allyl chloride

Concen: 18.037 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

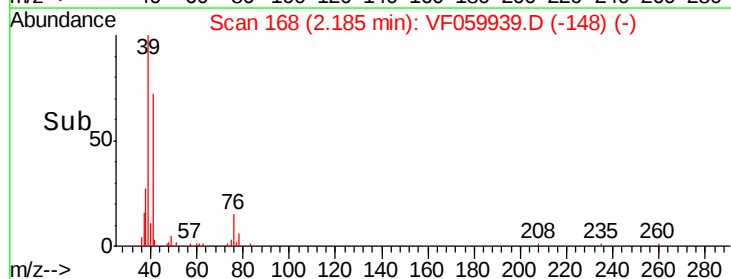
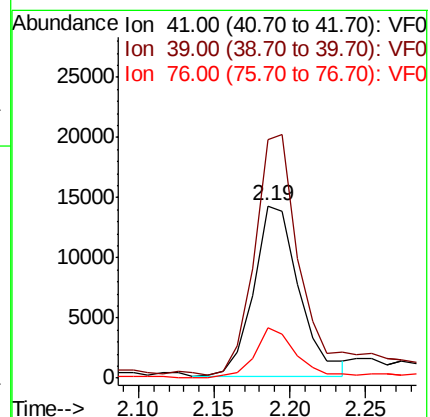
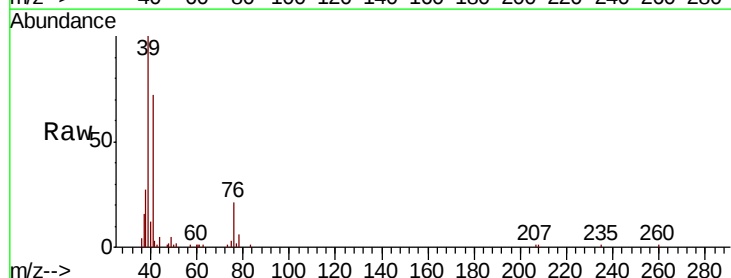
Tgt Ion: 41 Resp: 29705

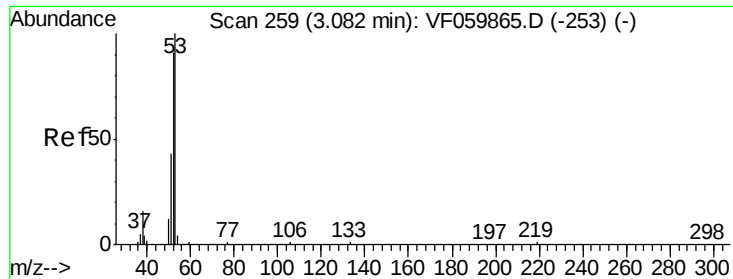
Ion Ratio Lower Upper

41 100

39 138.5 114.6 171.8

76 29.0 21.0 31.4





#15

Acrylonitrile

Concen: 93.194 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

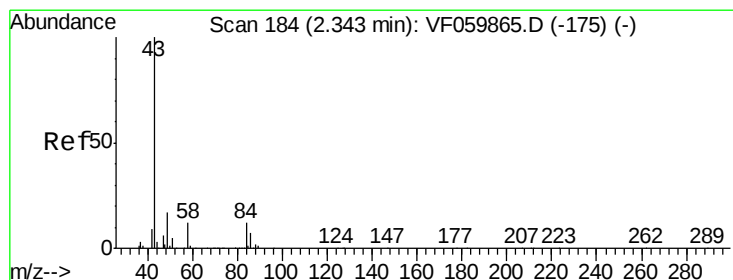
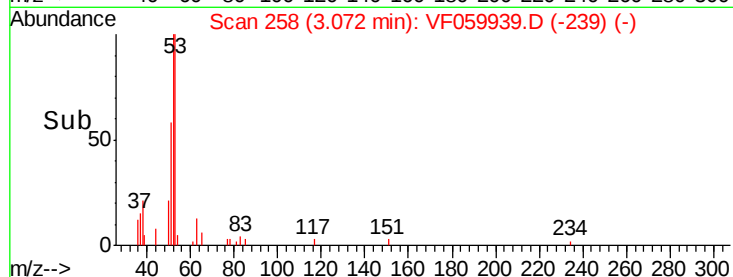
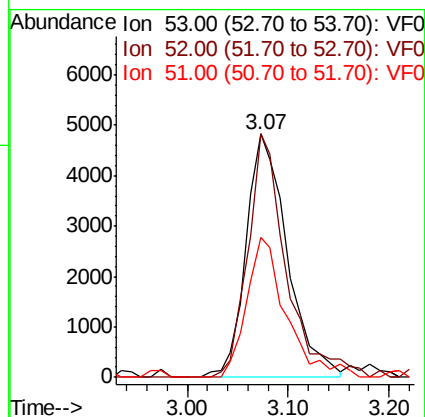
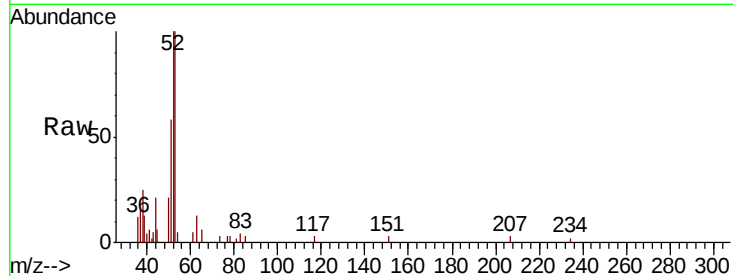
Tgt Ion: 53 Resp: 13733

Ion Ratio Lower Upper

53 100

52 99.8 72.9 109.3

51 57.5 34.5 51.7#



#16

Acetone

Concen: 135.748 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059939.D

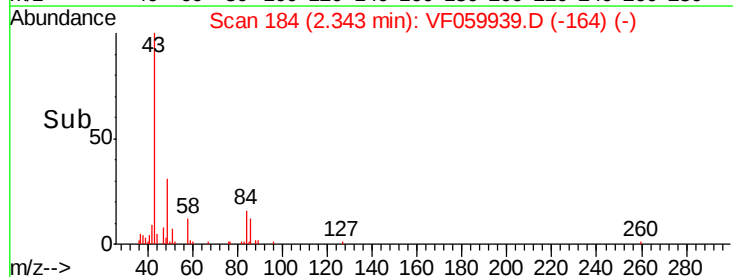
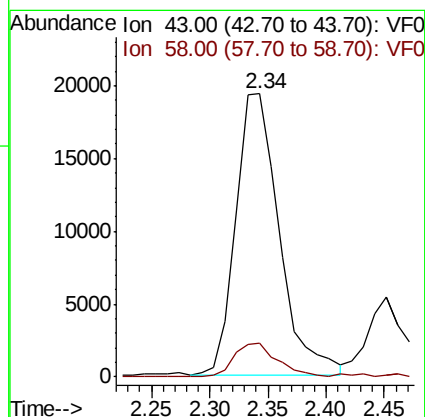
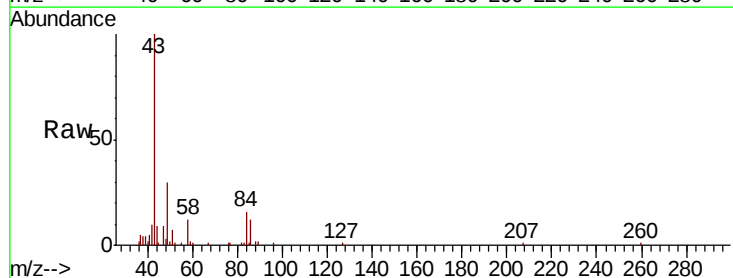
Acq: 10 Aug 2018 12:42

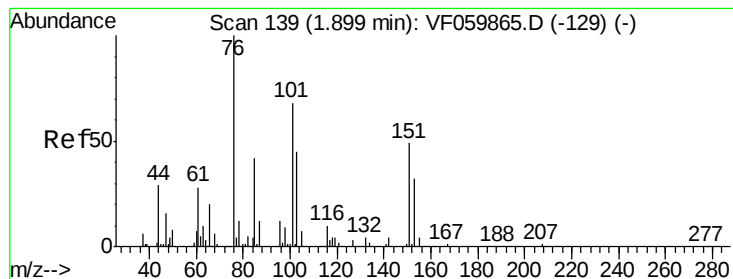
Tgt Ion: 43 Resp: 49962

Ion Ratio Lower Upper

43 100

58 12.1 9.4 14.0





#17

Carbon Disulfide

Concen: 21.123 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

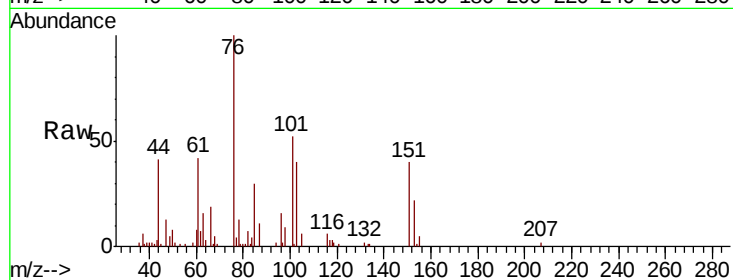
VF0810SBS01

Tgt Ion: 76 Resp: 55700

Ion Ratio Lower Upper

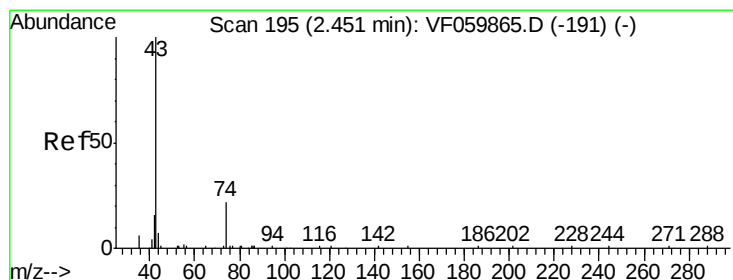
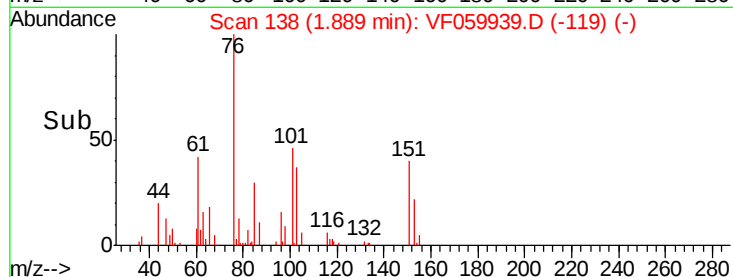
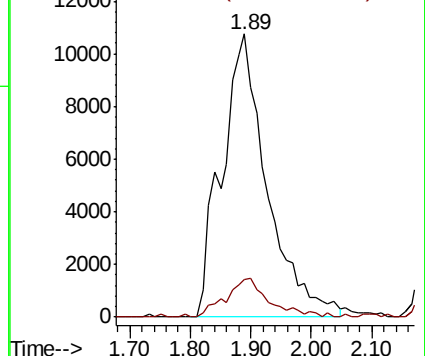
76 100

78 13.4 9.3 13.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 34.319 ug/l

RT: 2.54 min Scan# 204

Delta R.T. 0.09 min

Lab File: VF059939.D

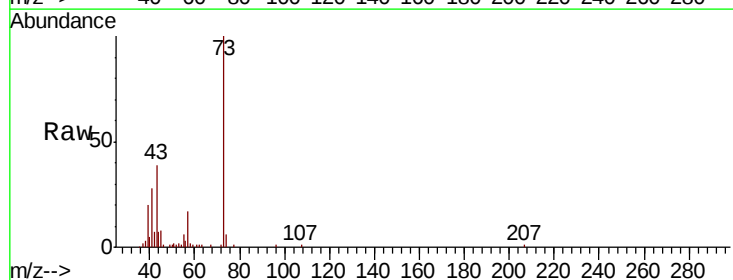
Acq: 10 Aug 2018 12:42

Tgt Ion: 43 Resp: 21308

Ion Ratio Lower Upper

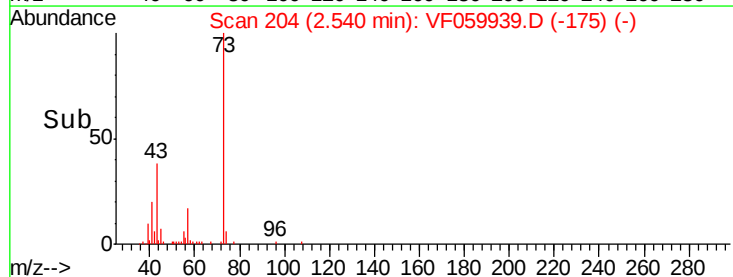
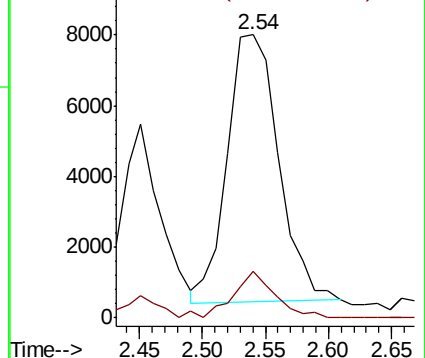
43 100

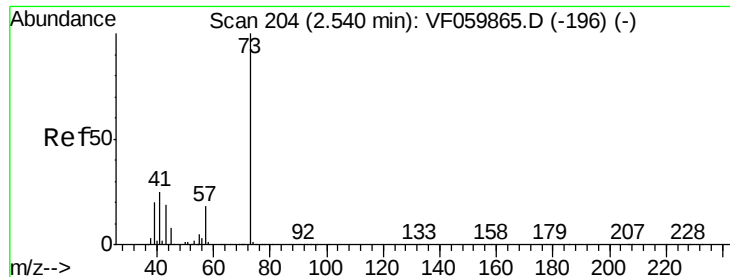
74 16.4 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



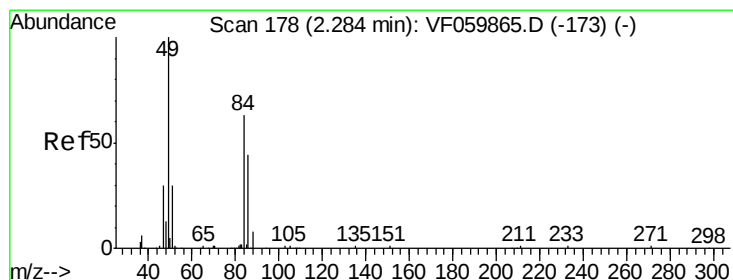
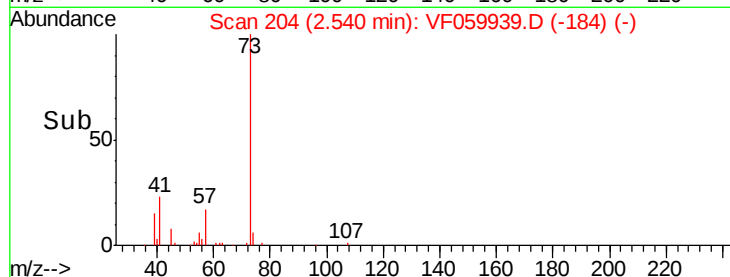
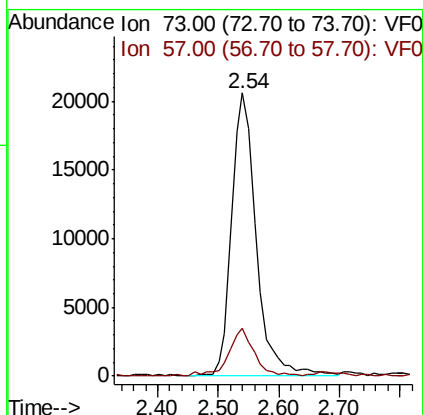
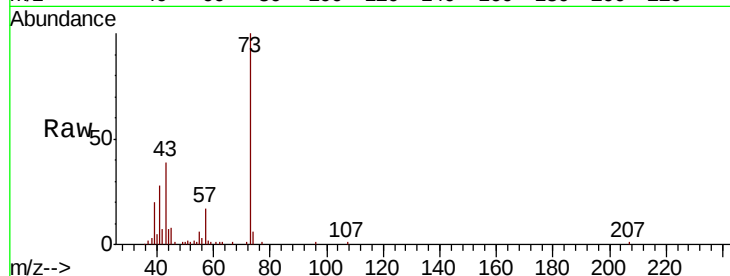


#19

Methyl tert-butyl Ether
 Concen: 20.914 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

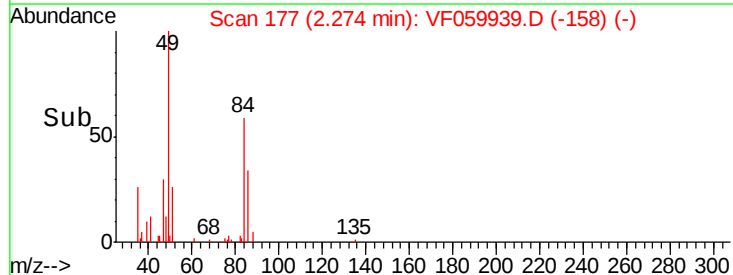
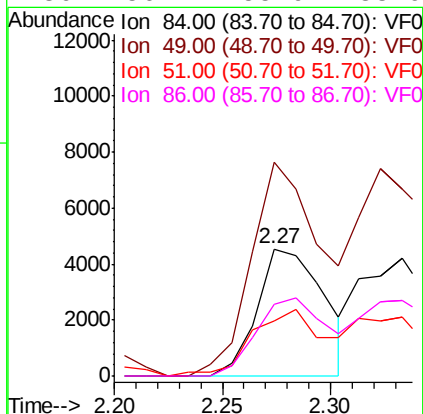
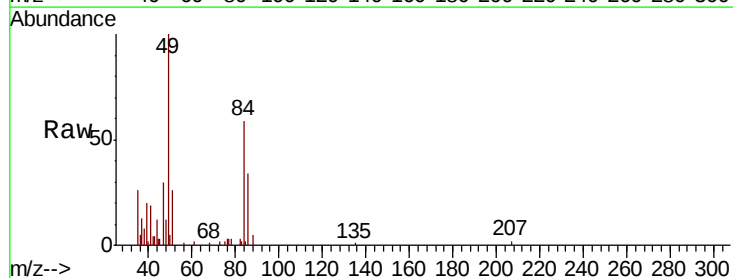
Tgt Ion: 73 Resp: 58490
 Ion Ratio Lower Upper
 73 100
 57 17.0 14.3 21.5

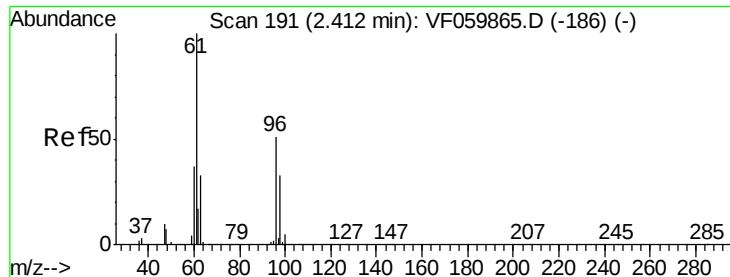


#20

Methylene Chloride
 Concen: 5.304 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion: 84 Resp: 9789
 Ion Ratio Lower Upper
 84 100
 49 168.1 128.7 193.1
 51 43.4 39.3 58.9
 86 56.7 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 20.517 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

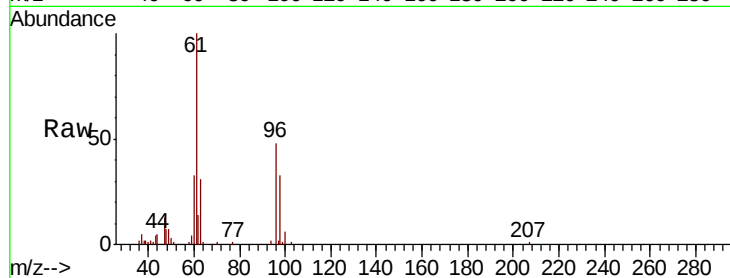
Tgt Ion: 96 Resp: 20132

Ion Ratio Lower Upper

96 100

61 208.1 158.2 237.4

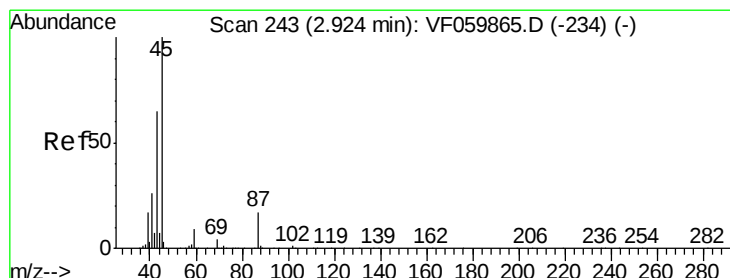
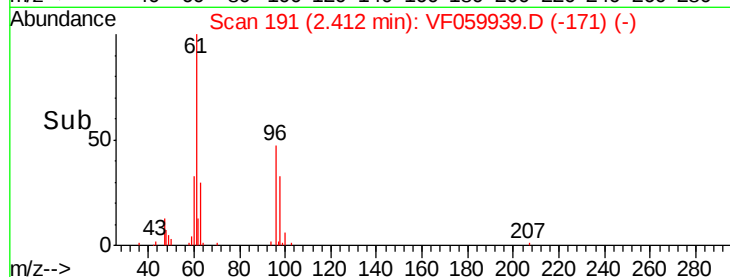
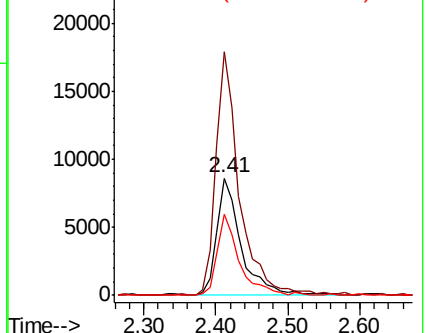
98 69.3 52.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.833 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Tgt Ion: 45 Resp: 66006

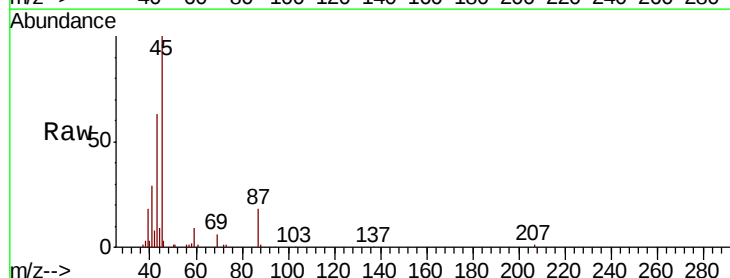
Ion Ratio Lower Upper

45 100

43 62.9 52.1 78.1

87 17.8 13.8 20.8

59 9.5 7.5 11.3

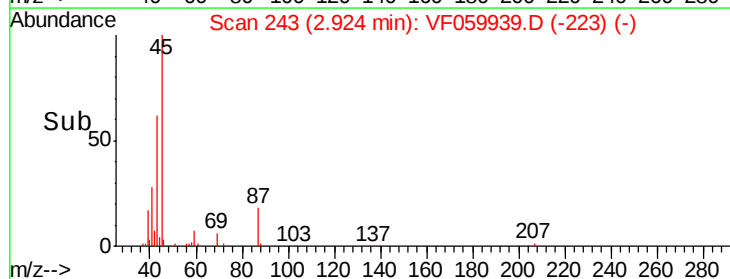
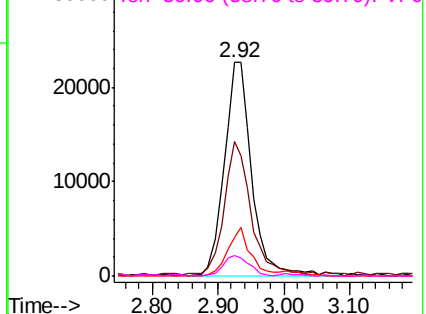


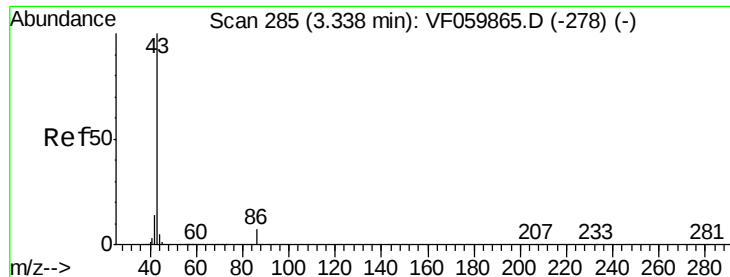
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 114.726 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

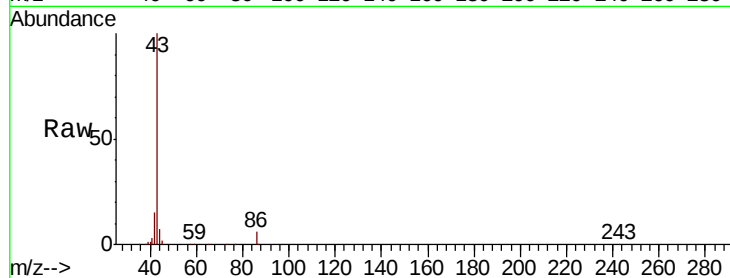
VF0810SBS01

Tgt Ion: 43 Resp: 175962

Ion Ratio Lower Upper

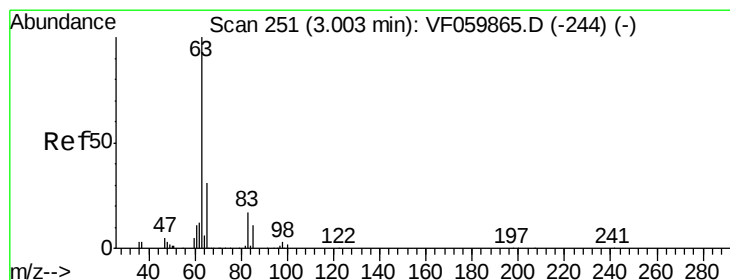
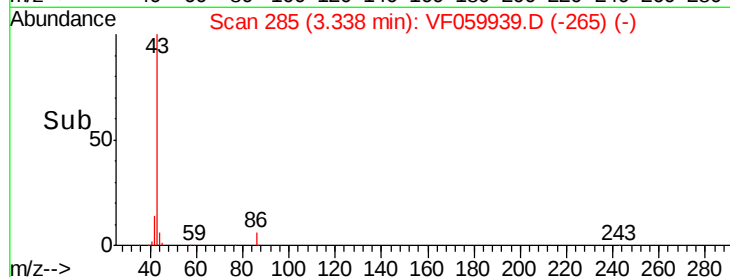
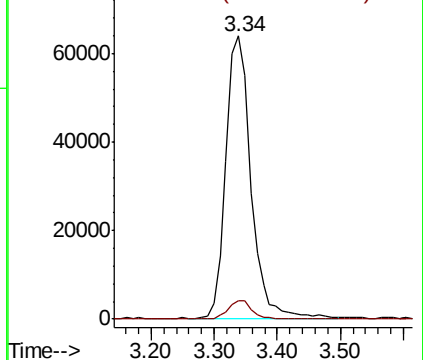
43 100

86 6.4 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.623 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

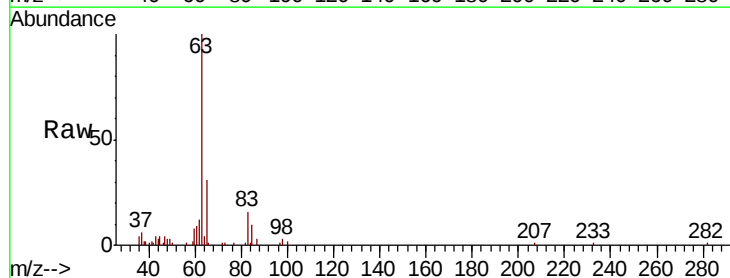
Tgt Ion: 63 Resp: 47584

Ion Ratio Lower Upper

63 100

98 2.6 1.9 5.7

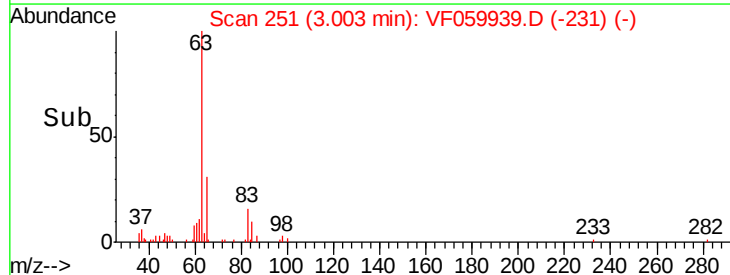
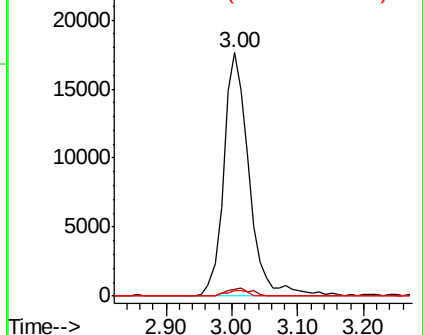
100 2.3 1.1 3.5

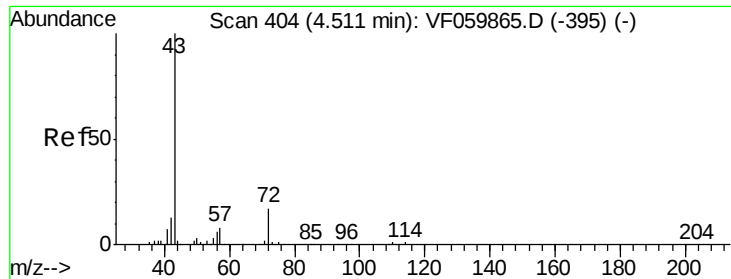


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 121.250 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

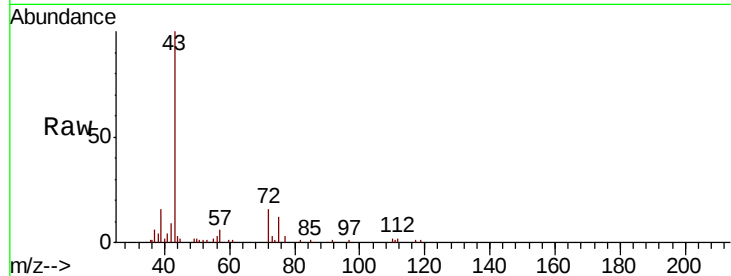
VF0810SBS01

Tgt Ion: 43 Resp: 48524

Ion Ratio Lower Upper

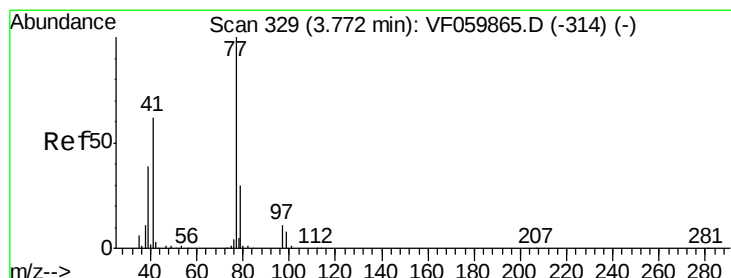
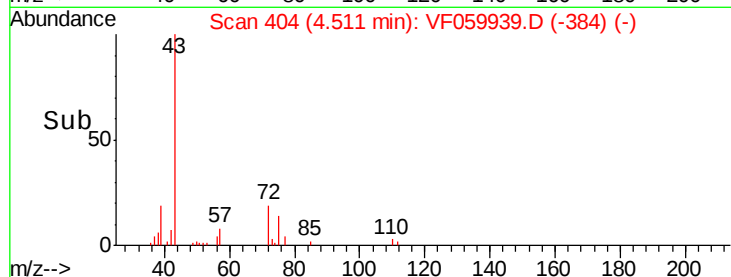
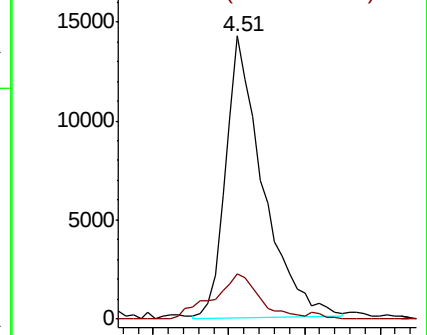
43 100

72 16.2 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 23.128 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059939.D

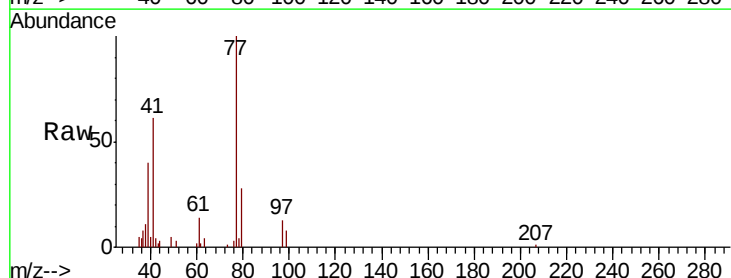
Acq: 10 Aug 2018 12:42

Tgt Ion: 77 Resp: 31066

Ion Ratio Lower Upper

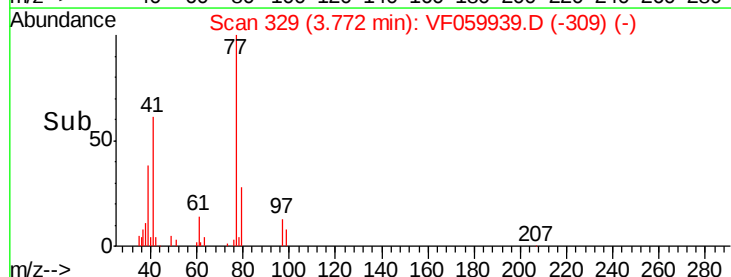
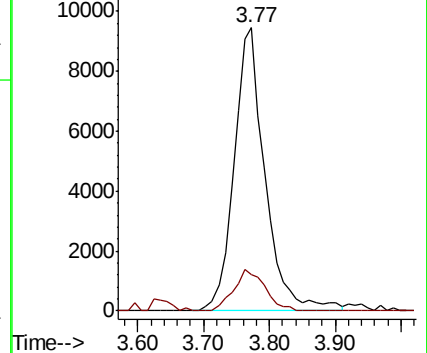
77 100

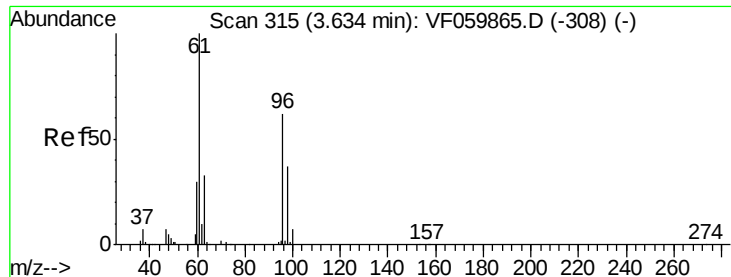
97 13.0 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



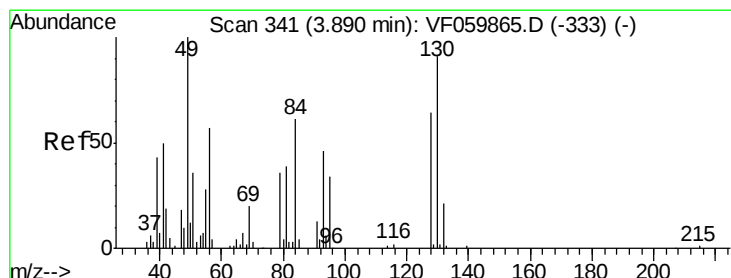
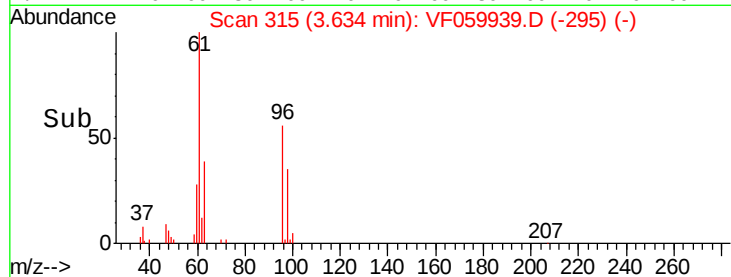
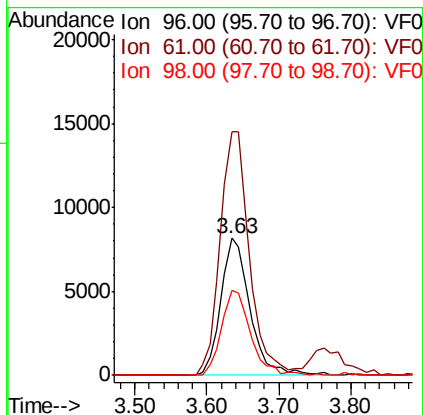
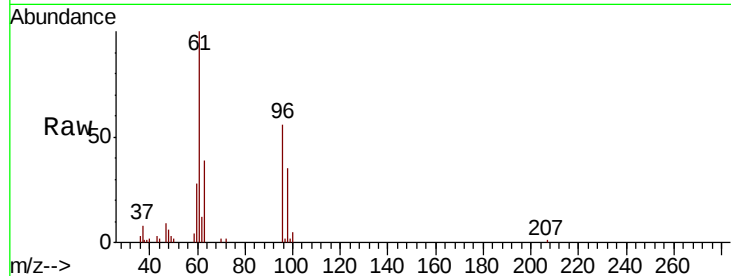


#27

cis-1,2-Dichloroethene
 Concen: 20.808 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

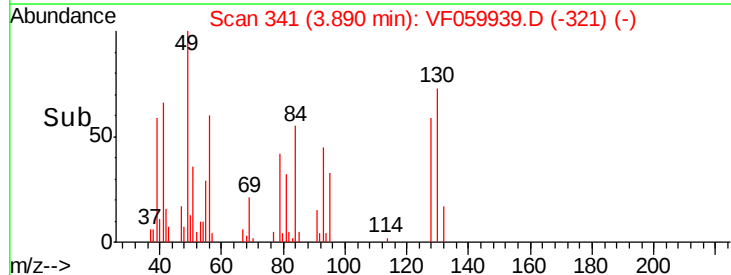
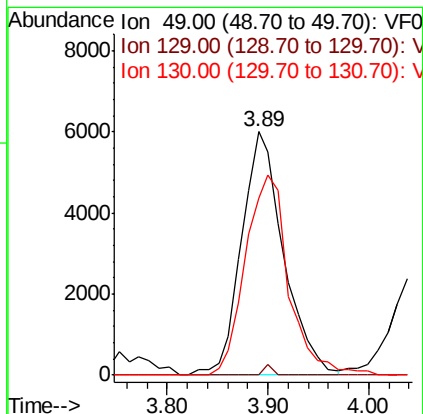
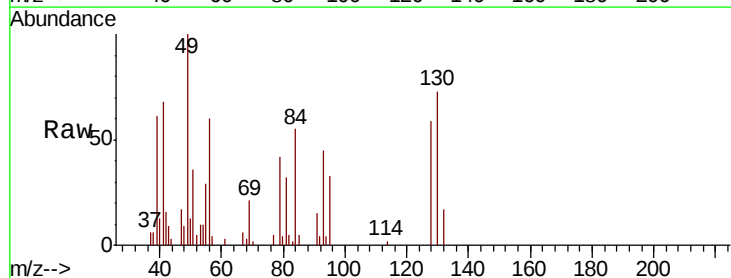
Tgt Ion: 96 Resp: 22958
 Ion Ratio Lower Upper
 96 100
 61 177.4 0.0 320.8
 98 61.9 0.0 117.6

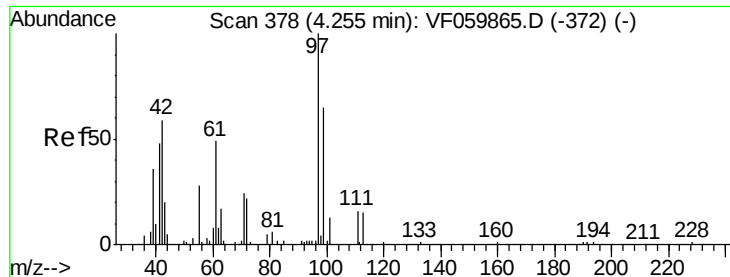


#28

Bromochloromethane
 Concen: 21.456 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion: 49 Resp: 17481
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 72.7 73.8 110.8#





#29

Tetrahydrofuran

Concen: 112.233 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

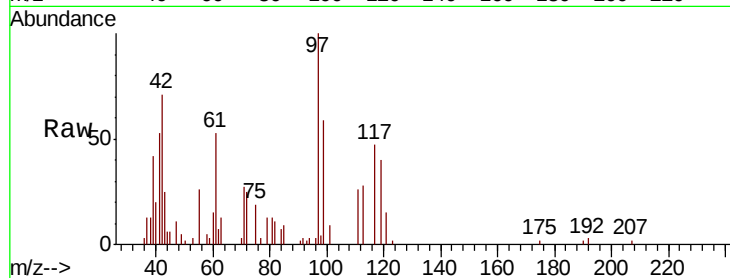
Tgt Ion: 42 Resp: 16535

Ion Ratio Lower Upper

42 100

72 33.9 29.3 43.9

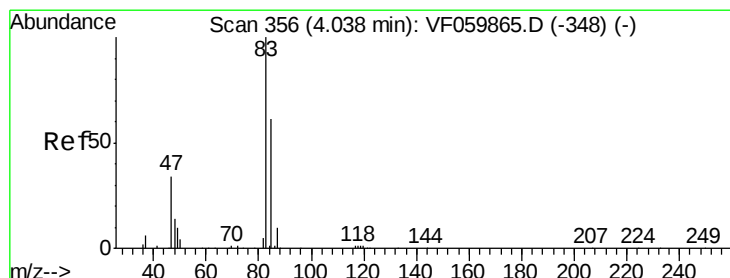
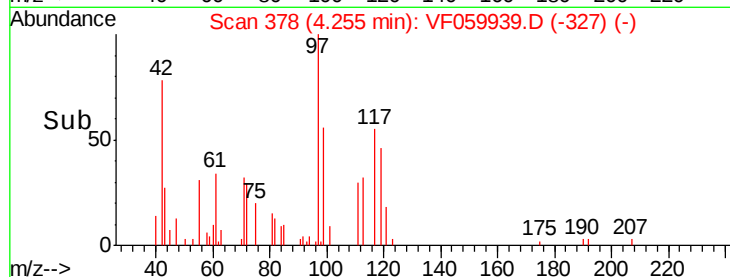
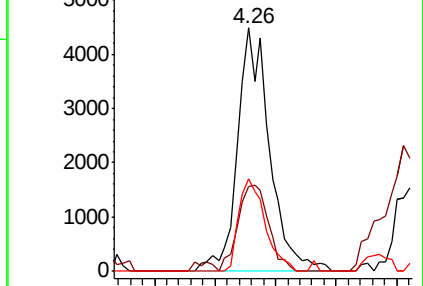
71 31.5 30.0 45.0



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: 20.234 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF059939.D

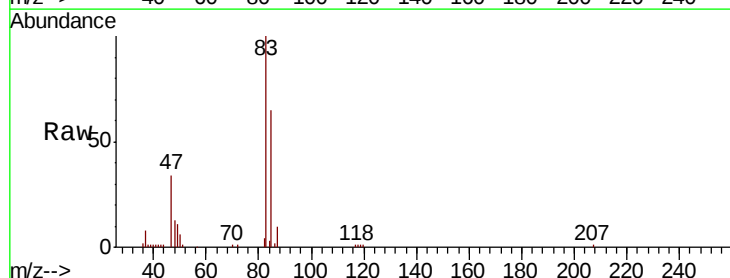
Acq: 10 Aug 2018 12:42

Tgt Ion: 83 Resp: 63159

Ion Ratio Lower Upper

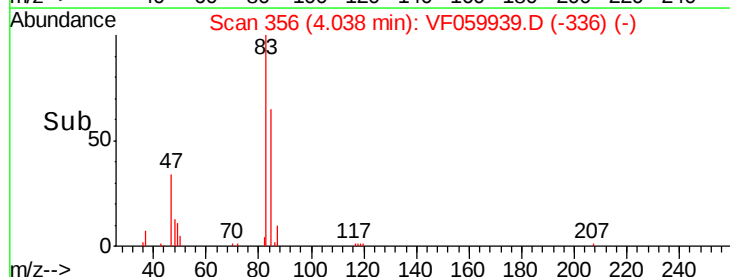
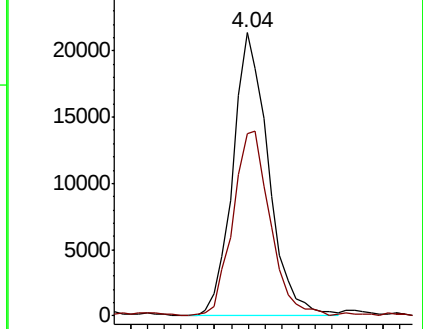
83 100

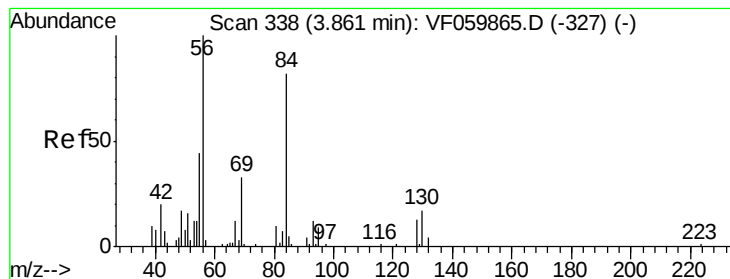
85 64.6 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.854 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

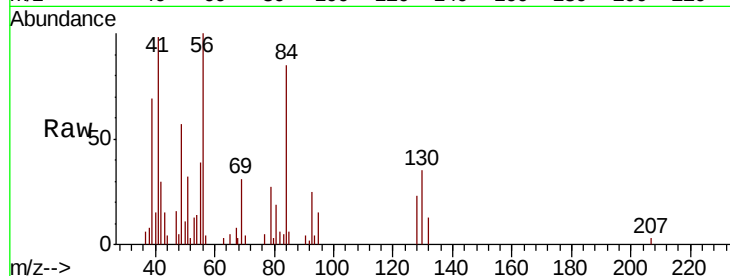
Tgt Ion: 56 Resp: 24957

Ion Ratio Lower Upper

56 100

69 30.7 26.7 40.1

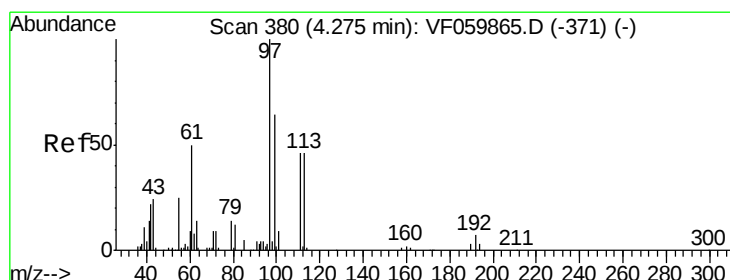
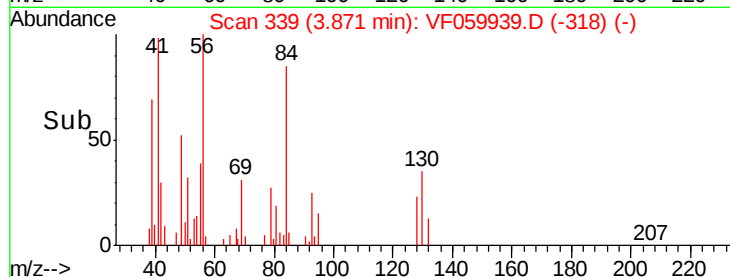
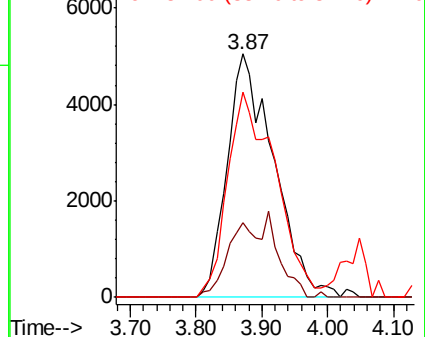
84 84.5 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.857 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

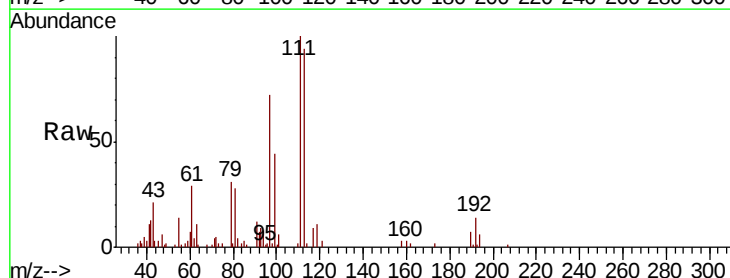
Tgt Ion: 97 Resp: 54582

Ion Ratio Lower Upper

97 100

99 61.5 51.4 77.2

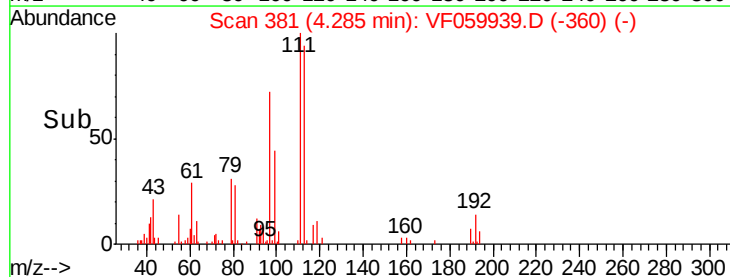
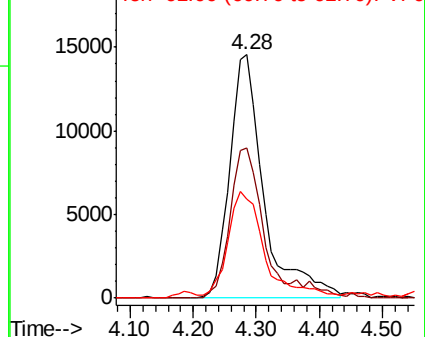
61 40.4 40.8 61.2#

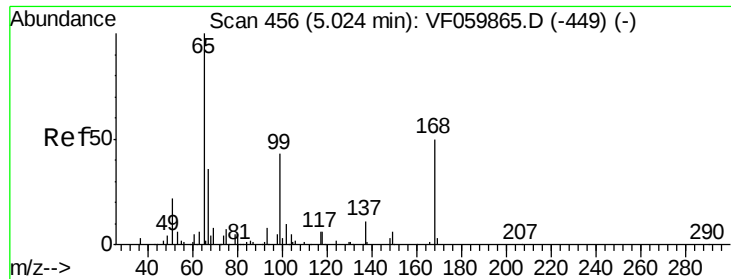


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

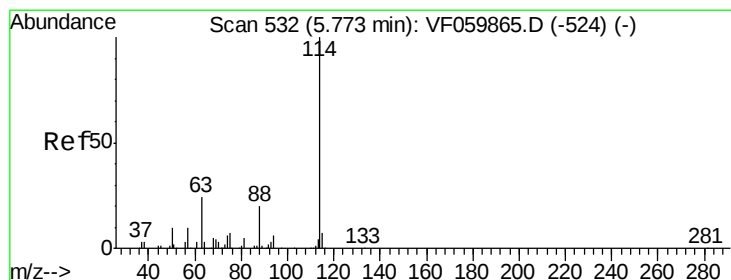
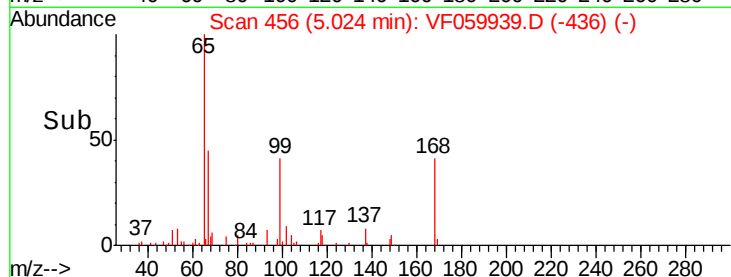
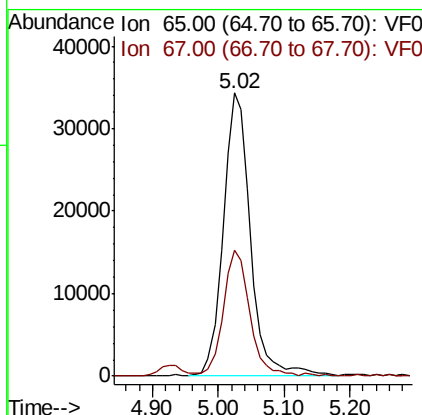
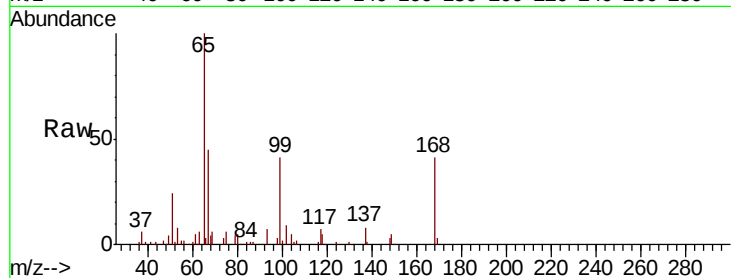




#33
 1,2-Dichloroethane-d4
 Concen: 49.770 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

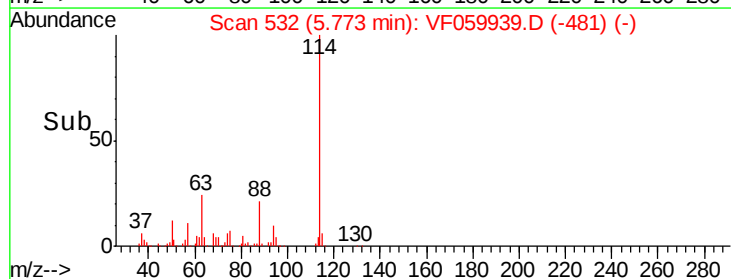
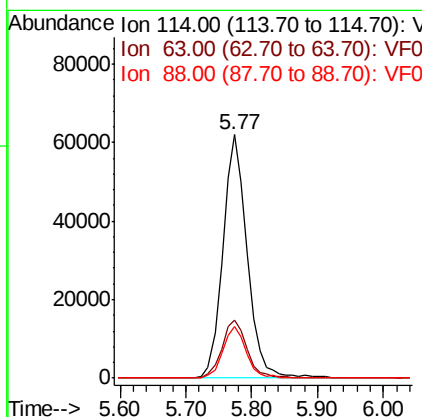
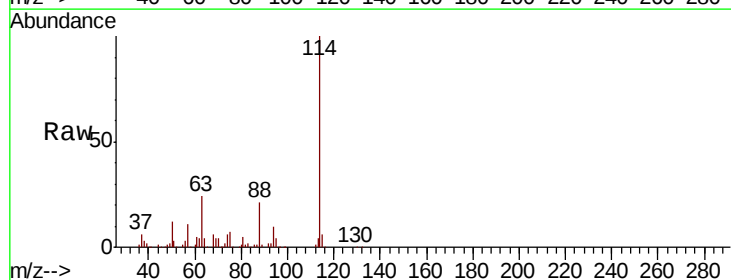
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

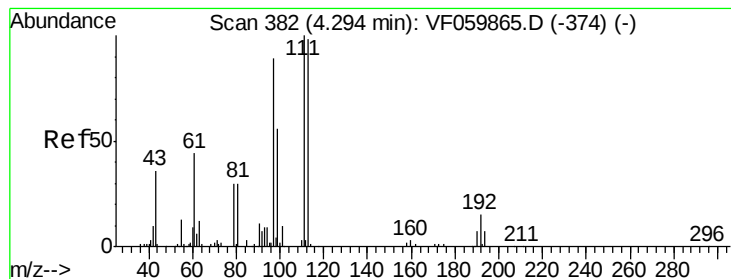
Tgt Ion: 65 Resp: 99226
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion: 114 Resp: 159721
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.0
 88 21.4 0.0 39.4





#35

Dibromofluoromethane

Concen: 50.916 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

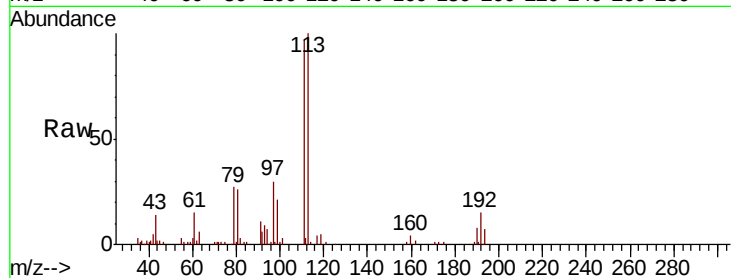
Tgt Ion: 113 Resp: 80913

Ion Ratio Lower Upper

113 100

111 97.2 81.8 122.8

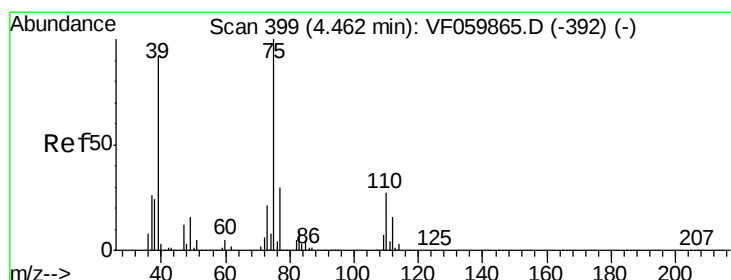
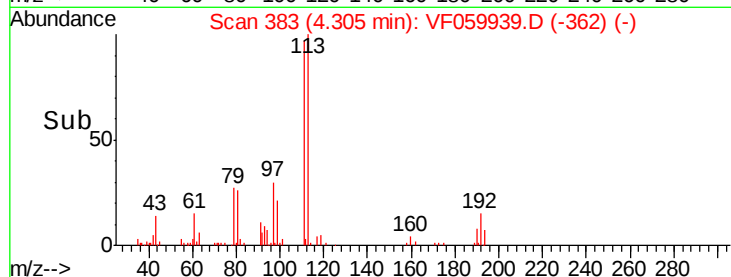
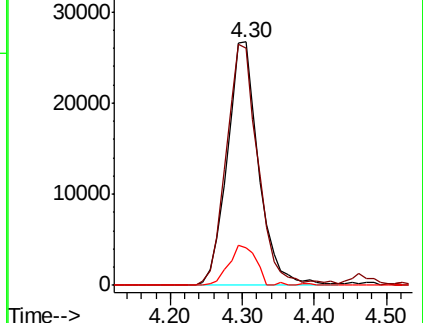
192 15.4 12.4 18.6



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: 22.523 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

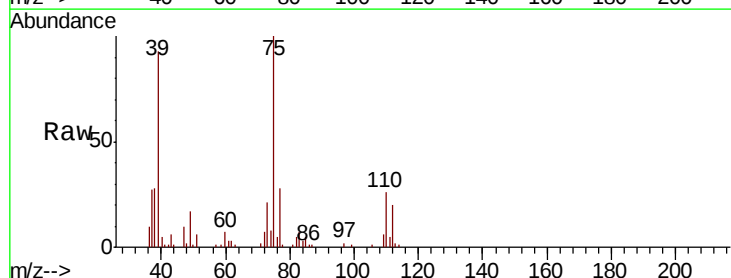
Tgt Ion: 75 Resp: 41610

Ion Ratio Lower Upper

75 100

110 25.8 13.6 40.7

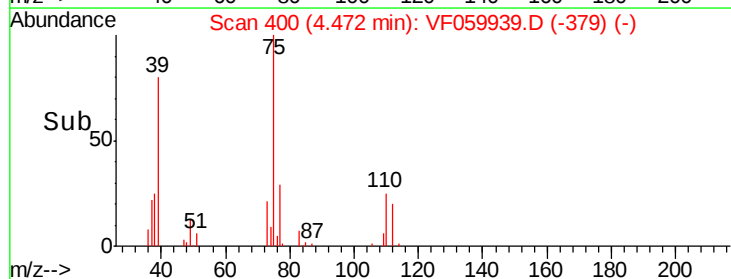
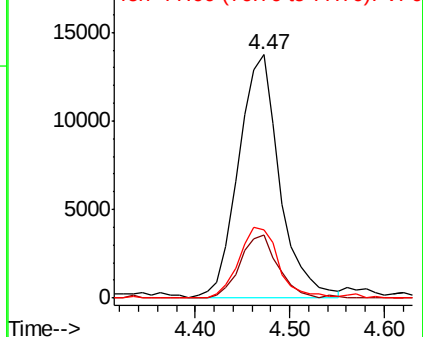
77 28.2 23.7 35.5

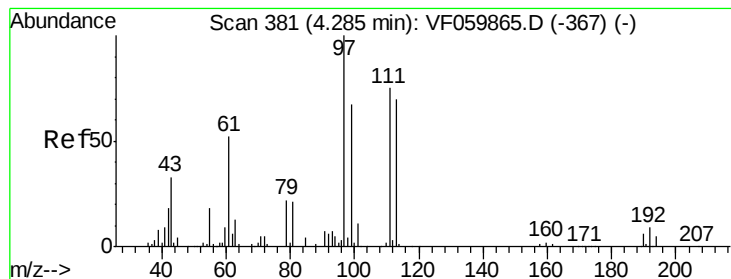


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 21.662 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

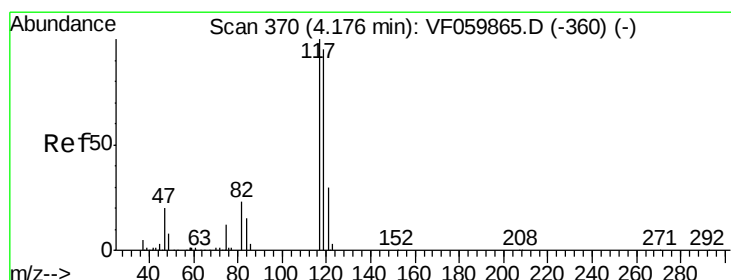
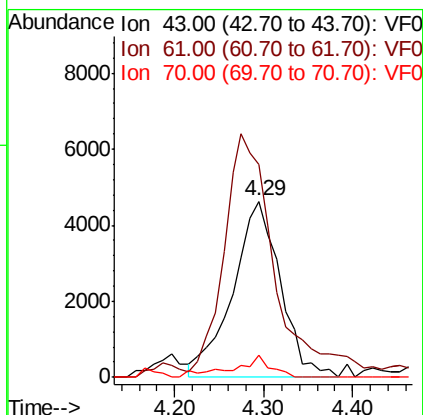
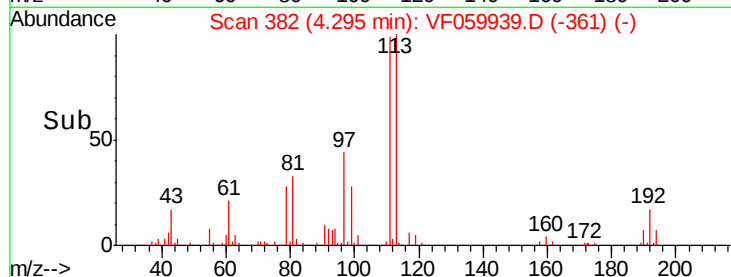
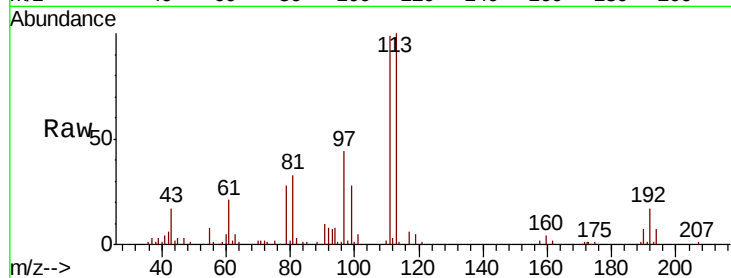
Tgt Ion: 43 Resp: 17183

Ion Ratio Lower Upper

43 100

61 120.9 123.7 185.5#

70 12.4 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 24.057 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

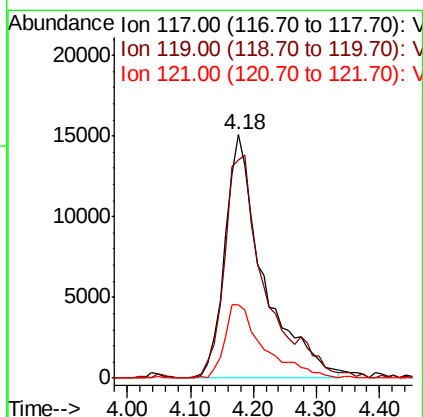
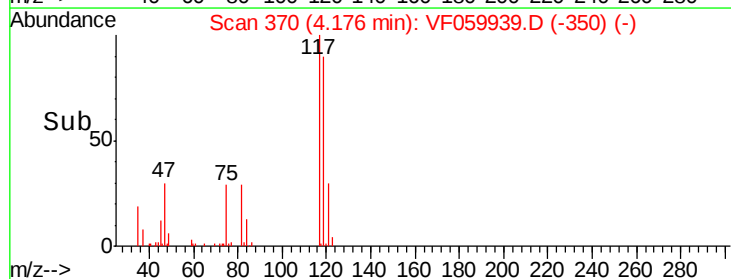
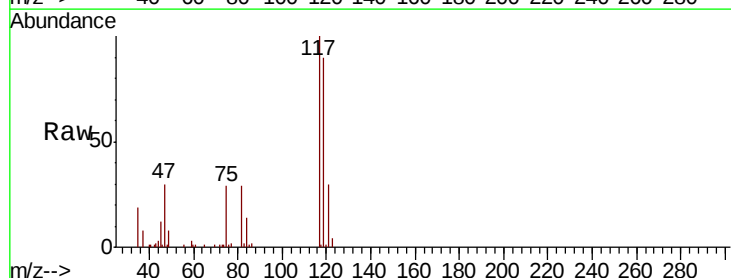
Tgt Ion: 117 Resp: 63626

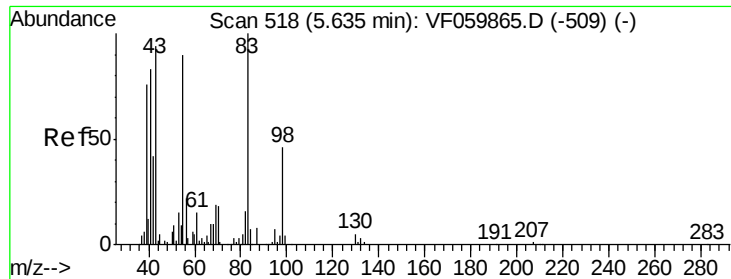
Ion Ratio Lower Upper

117 100

119 89.5 76.5 114.7

121 30.1 23.8 35.8

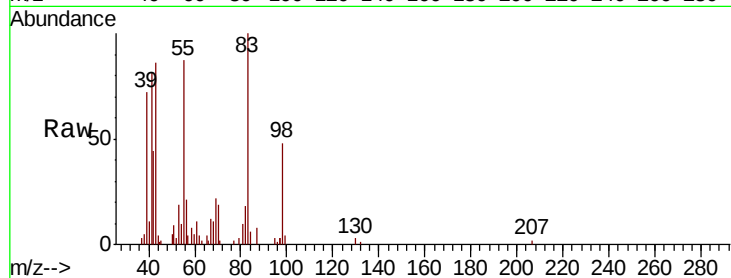




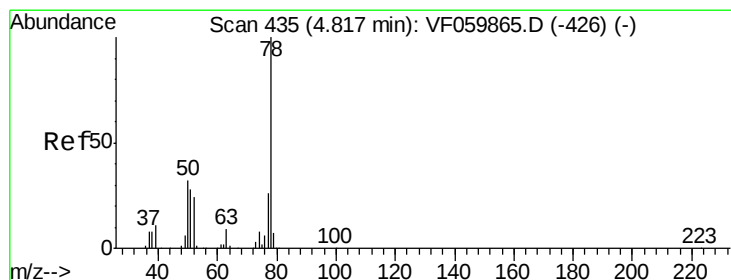
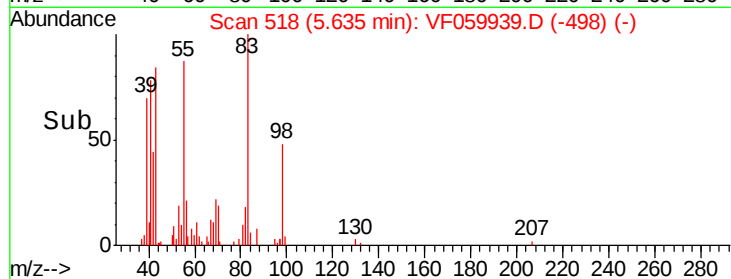
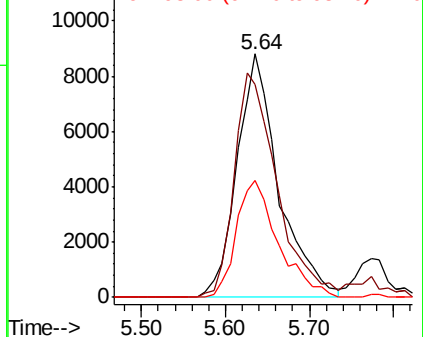
#39
Methylcyclohexane
Concen: 21.953 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tgt Ion: 83 Resp: 30415
Ion Ratio Lower Upper
83 100
55 87.2 72.0 108.0
98 47.9 36.6 54.8

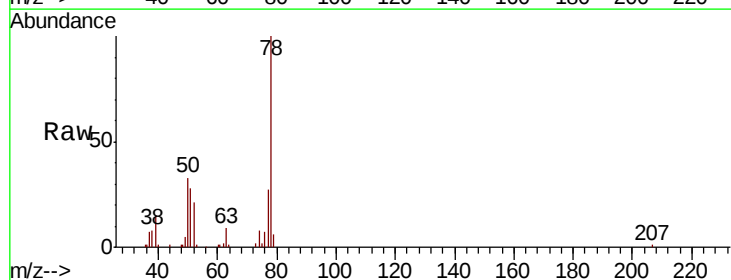


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

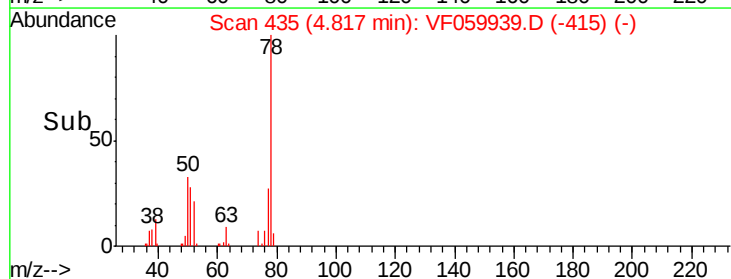
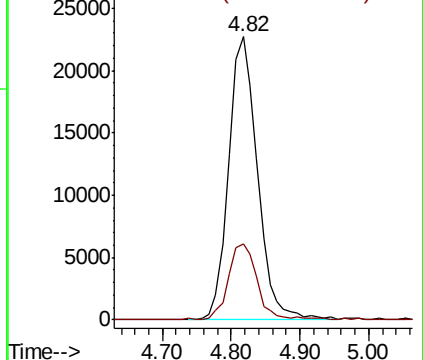


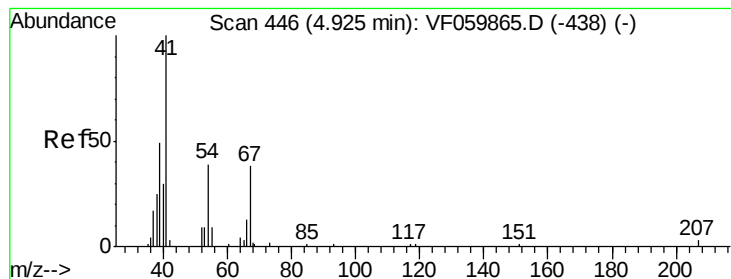
#40
Benzene
Concen: 18.921 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion: 78 Resp: 66000
Ion Ratio Lower Upper
78 100
77 26.9 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.630 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tgt Ion: 41 Resp: 8636

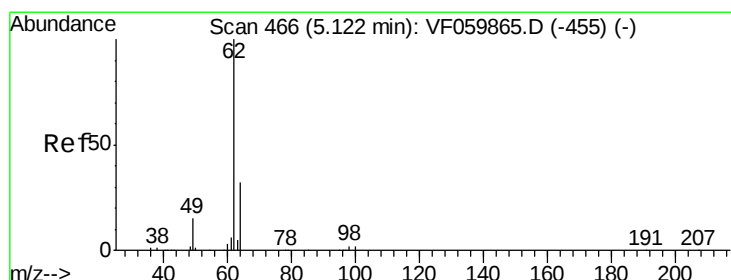
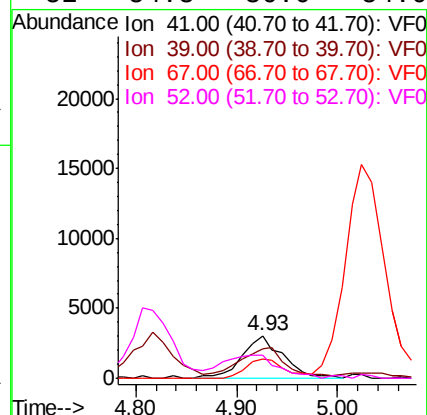
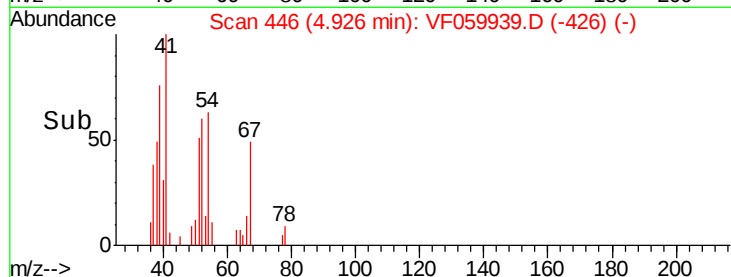
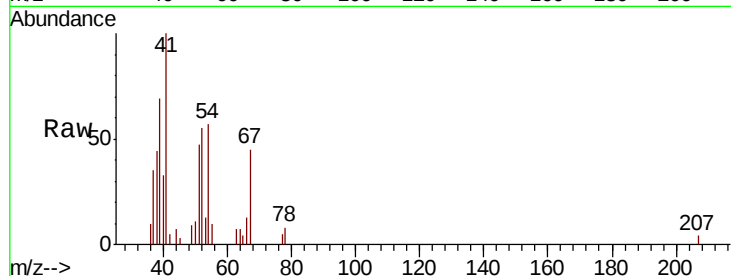
Ion Ratio Lower Upper

41 100

39 69.4 55.1 82.7

67 45.0 30.3 45.5

52 54.8 36.0 54.0#



#42

1,2-Dichloroethane

Concen: 20.248 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.00 min

Lab File: VF059939.D

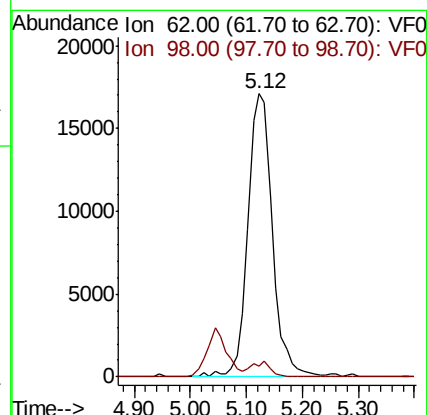
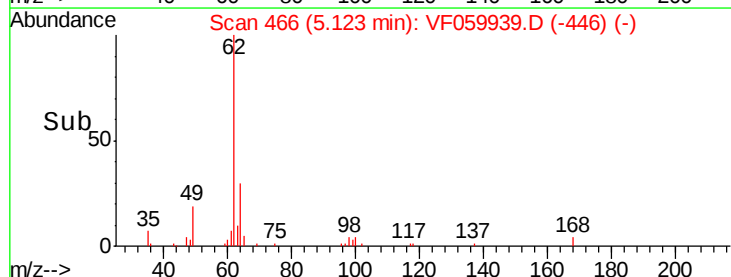
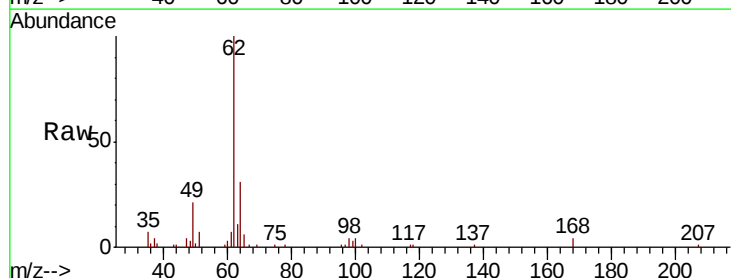
Acq: 10 Aug 2018 12:42

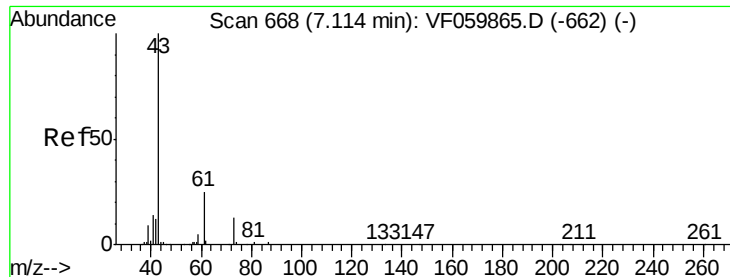
Tgt Ion: 62 Resp: 51798

Ion Ratio Lower Upper

62 100

98 3.7 0.0 7.6



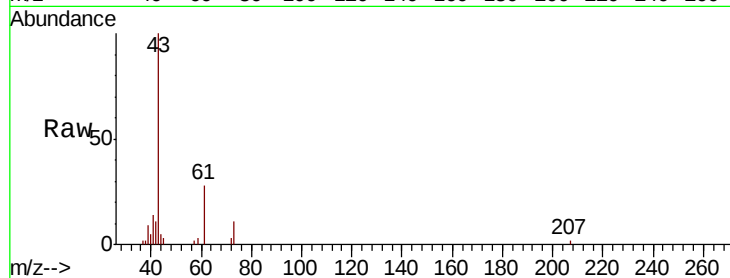


#43

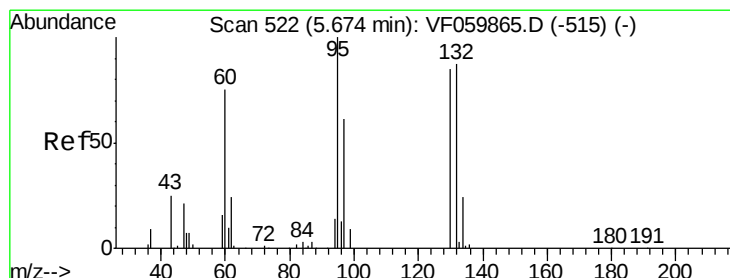
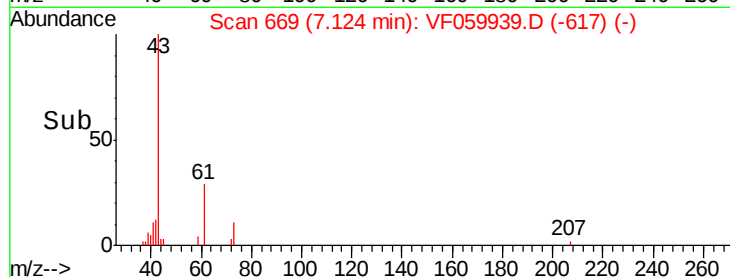
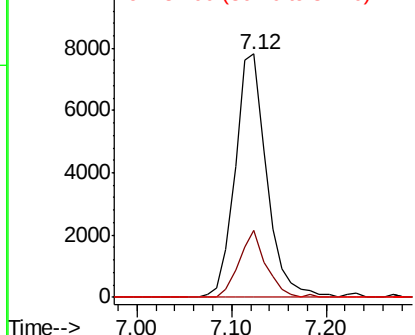
Isopropyl Acetate
 Concen: 22.089 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Tgt Ion: 43 Resp: 18042
 Ion Ratio Lower Upper
 43 100
 61 27.6 20.3 30.5
 87 0.0 0.7 1.1#



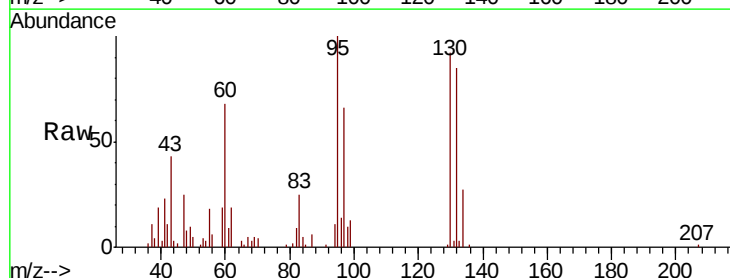
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



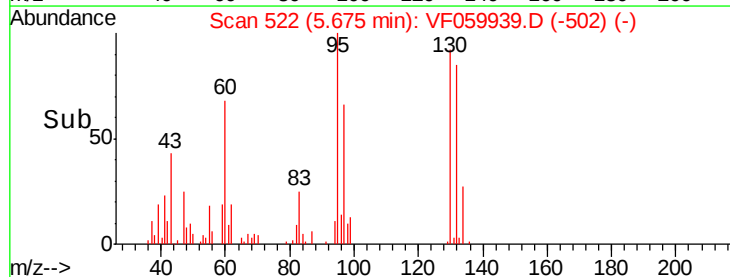
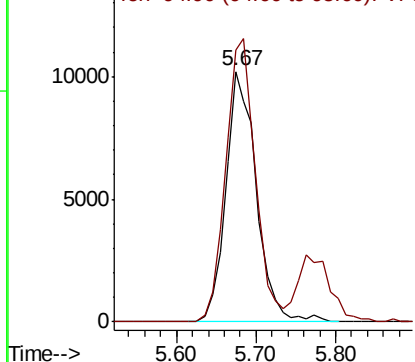
#44

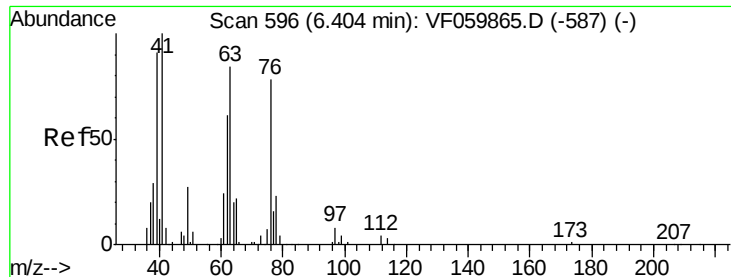
Trichloroethene
 Concen: 22.239 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion: 130 Resp: 27363
 Ion Ratio Lower Upper
 130 100
 95 108.8 0.0 236.8



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





#45

1,2-Dichloropropane

Concen: 21.128 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

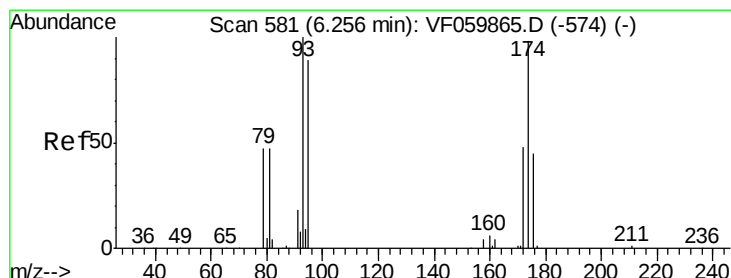
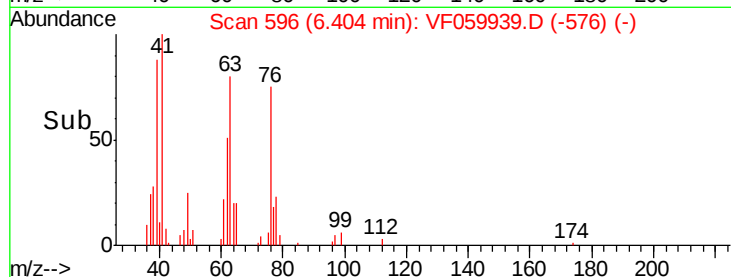
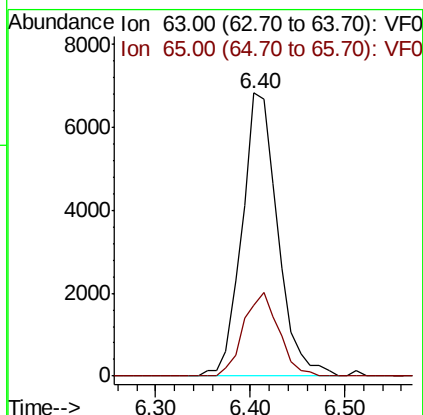
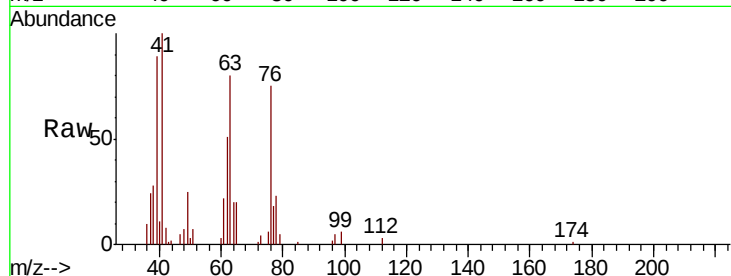
VF0810SBS01

Tgt Ion: 63 Resp: 17912

Ion Ratio Lower Upper

63 100

65 25.0 20.4 30.6



#46

Dibromomethane

Concen: 19.467 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

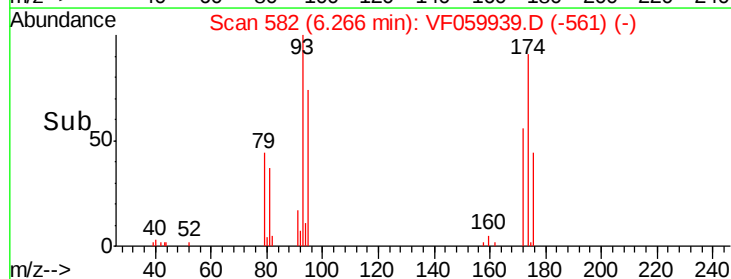
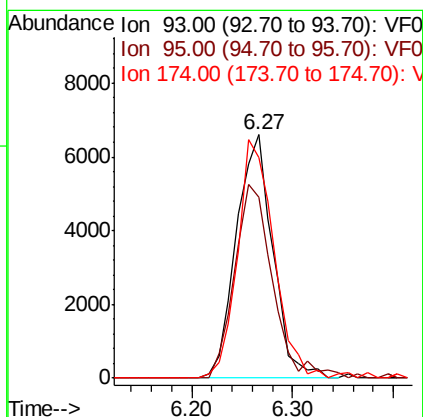
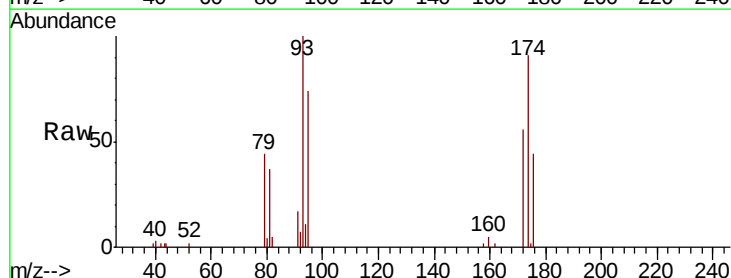
Tgt Ion: 93 Resp: 16653

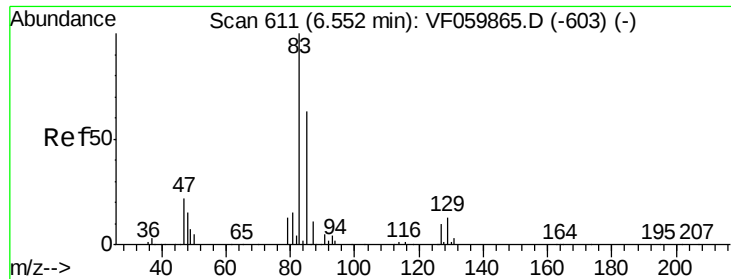
Ion Ratio Lower Upper

93 100

95 74.4 71.4 107.2

174 92.8 78.1 117.1





#47

Bromodichloromethane

Concen: 21.558 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

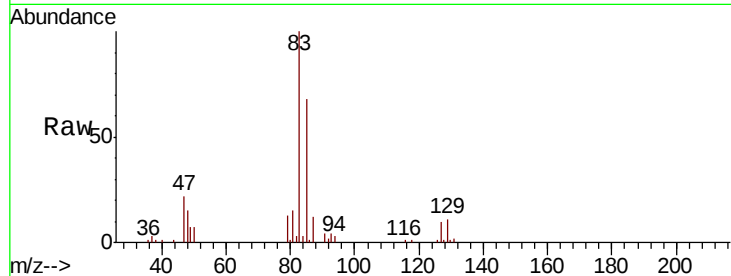
Tgt Ion: 83 Resp: 50441

Ion Ratio Lower Upper

83 100

85 67.7 50.7 76.1

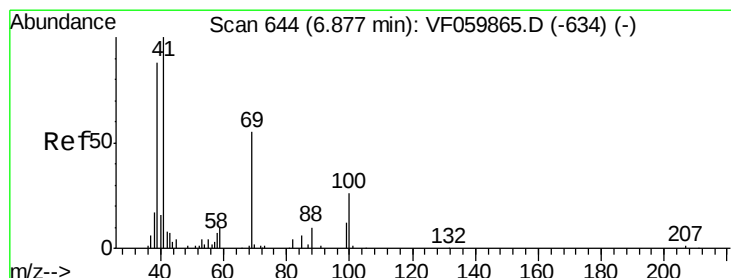
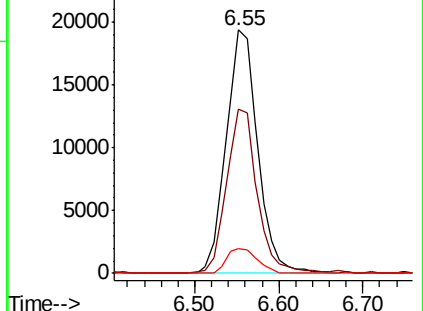
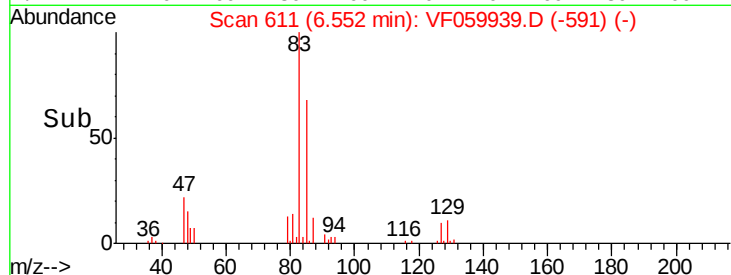
127 11.3 8.0 12.0



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: 21.500 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

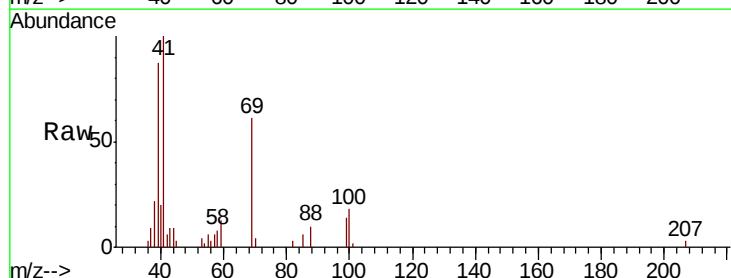
Tgt Ion: 41 Resp: 13662

Ion Ratio Lower Upper

41 100

69 60.6 44.4 66.6

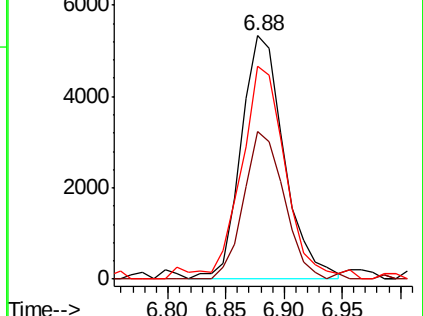
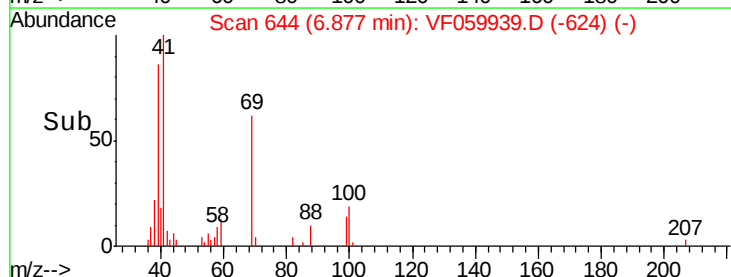
39 87.4 70.6 106.0

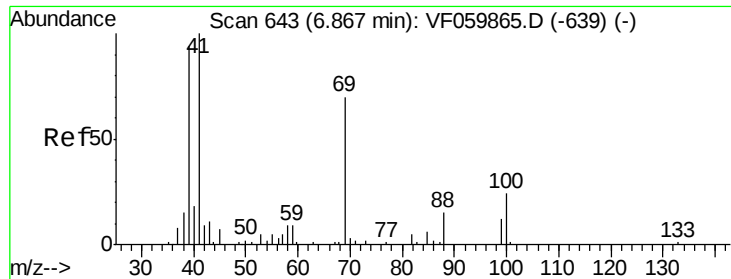


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

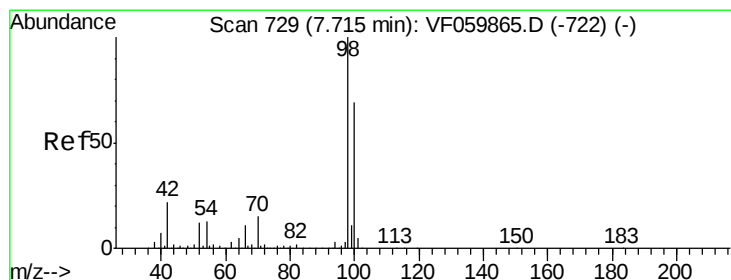
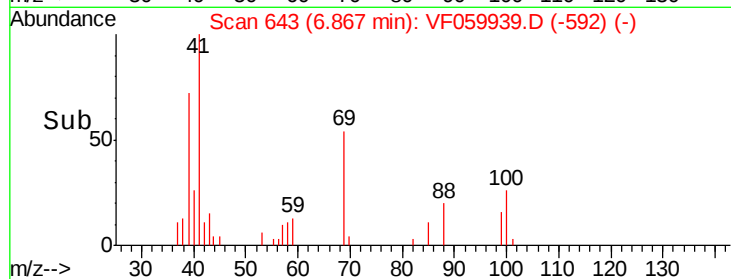
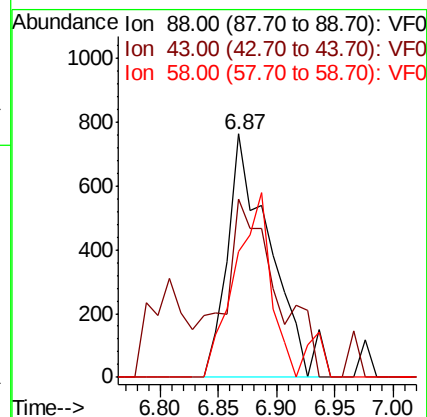
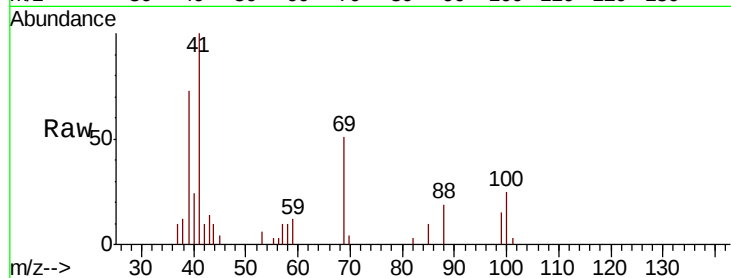




#49
1,4-Dioxane
Concen: 473.017 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

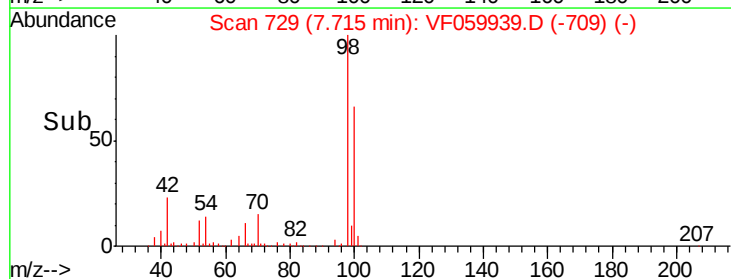
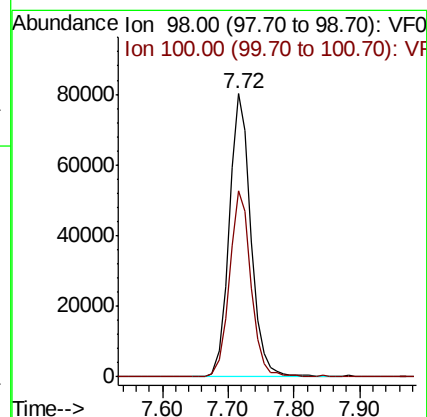
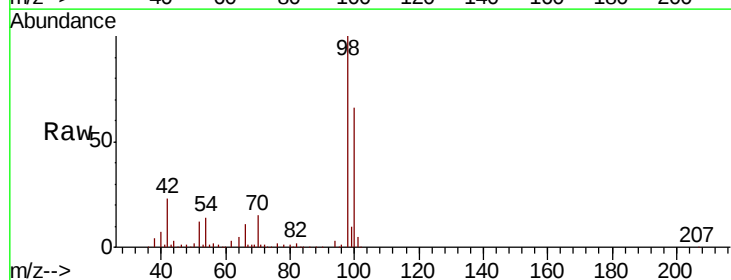
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

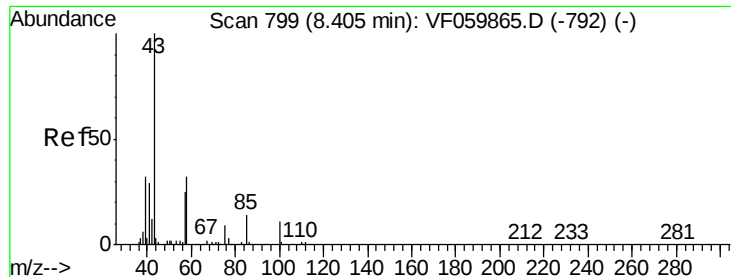
Tgt Ion: 88 Resp: 1949
Ion Ratio Lower Upper
88 100
43 73.2 58.3 87.5
58 52.0 49.4 74.2



#50
Toluene-d8
Concen: 54.543 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion: 98 Resp: 184424
Ion Ratio Lower Upper
98 100
100 65.8 55.0 82.6





#51

4-Methyl-2-Pentanone

Concen: 107.255 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

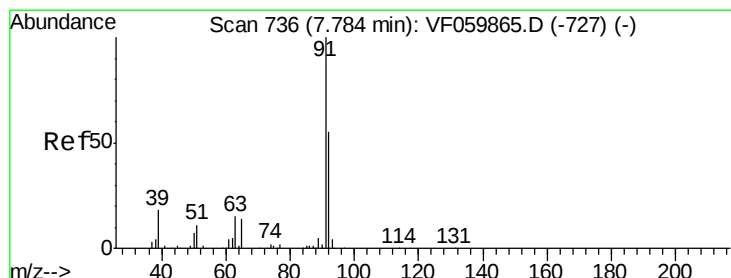
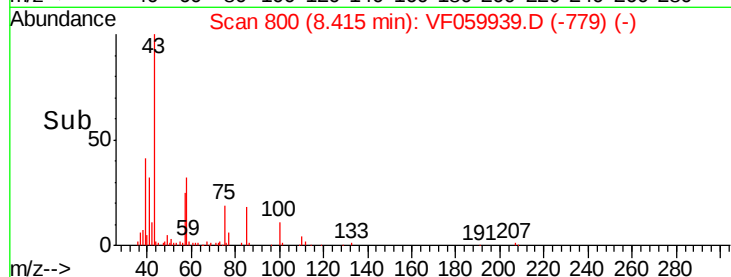
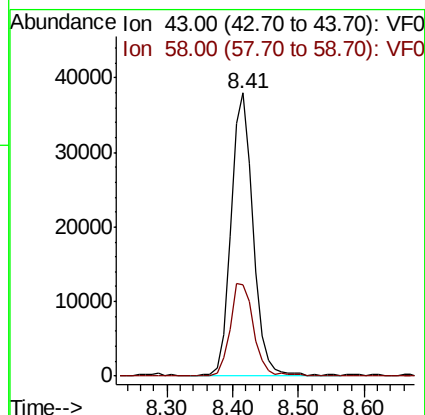
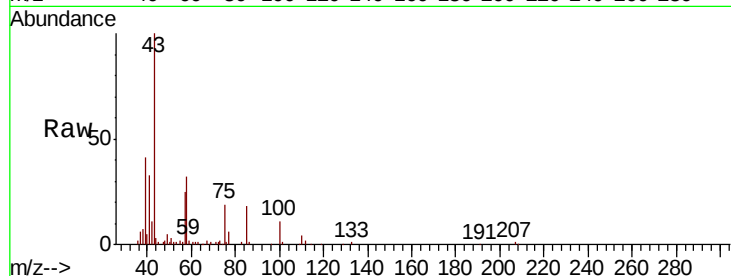
VF0810SBS01

Tgt Ion: 43 Resp: 89572

Ion Ratio Lower Upper

43 100

58 32.3 25.4 38.0



#52

Toluene

Concen: 23.070 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059939.D

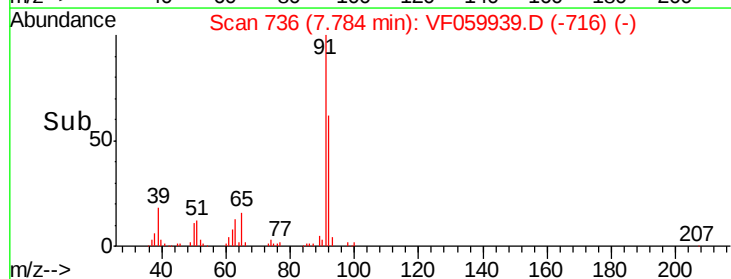
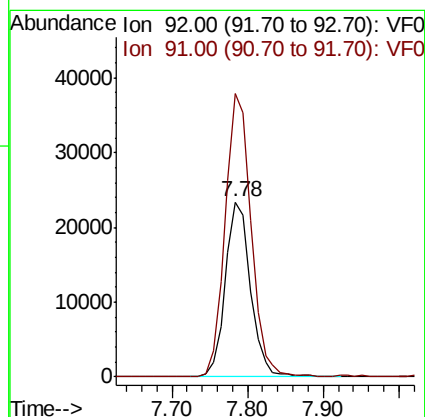
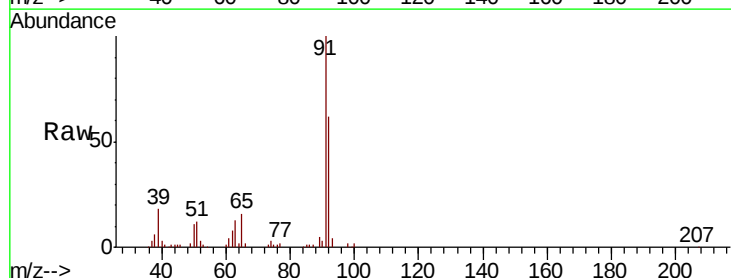
Acq: 10 Aug 2018 12:42

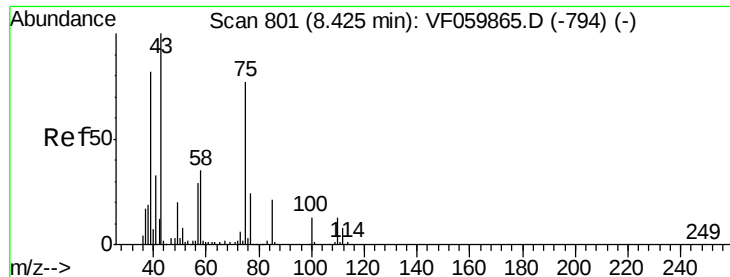
Tgt Ion: 92 Resp: 53832

Ion Ratio Lower Upper

92 100

91 162.0 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 23.863 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

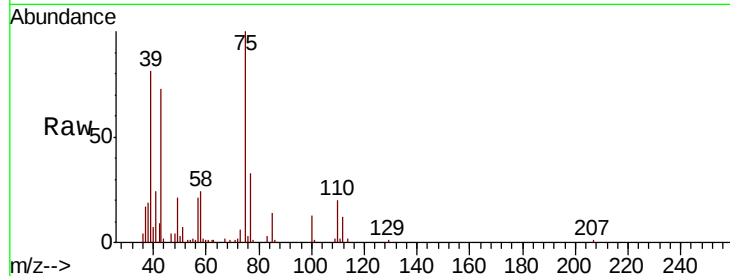
VF0810SBS01

Tgt Ion: 75 Resp: 42470

Ion Ratio Lower Upper

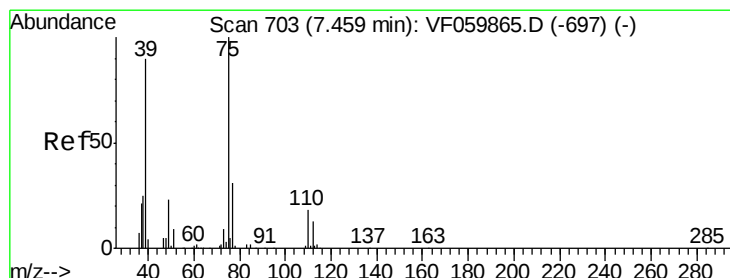
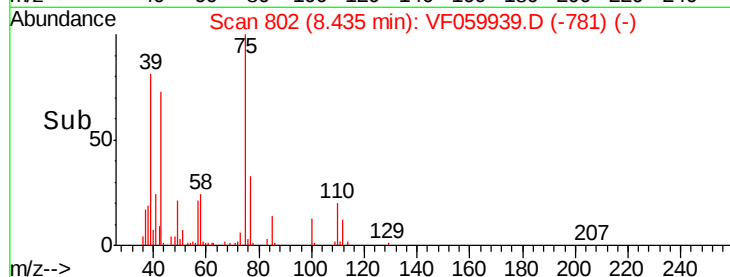
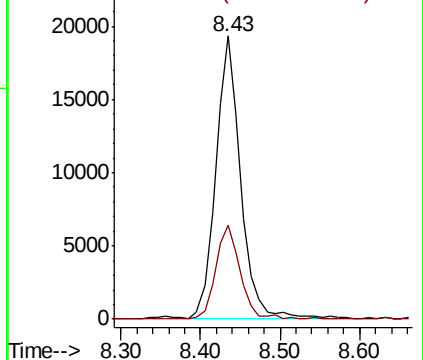
75 100

77 33.3 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.874 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

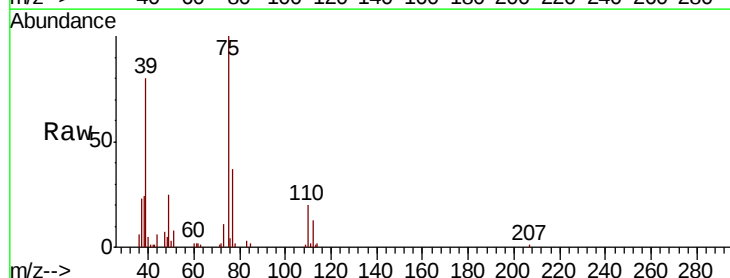
Tgt Ion: 75 Resp: 42016

Ion Ratio Lower Upper

75 100

77 37.1 24.7 37.1#

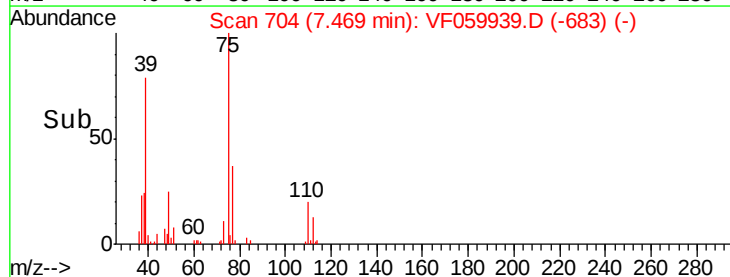
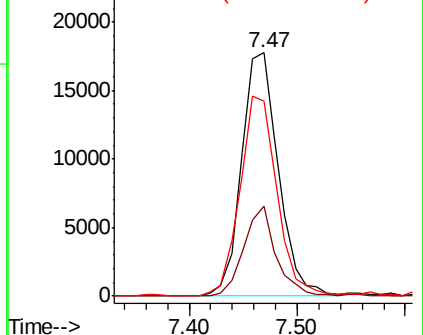
39 79.9 72.0 108.0

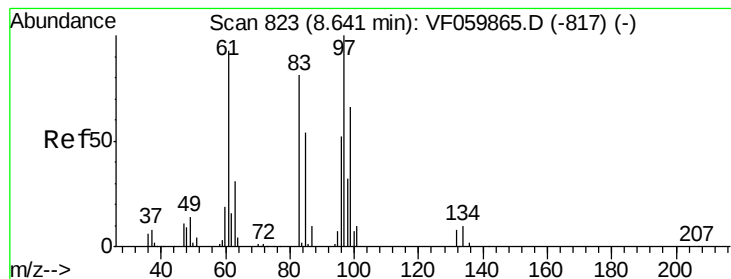


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.508 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tgt Ion: 97 Resp: 17226

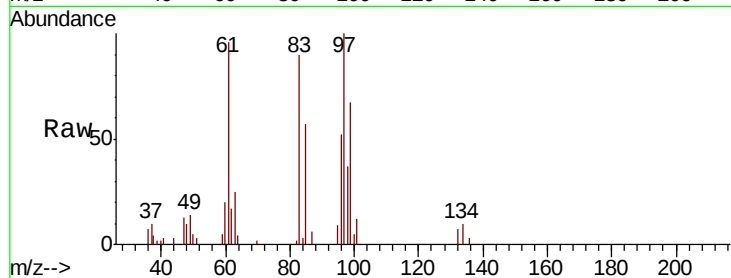
Ion Ratio Lower Upper

97 100

83 89.7 64.4 96.6

85 57.2 43.1 64.7

99 66.8 52.7 79.1

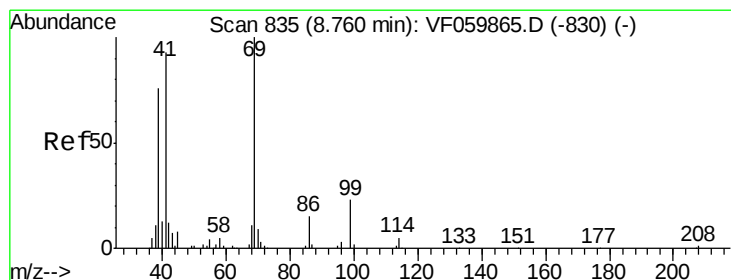
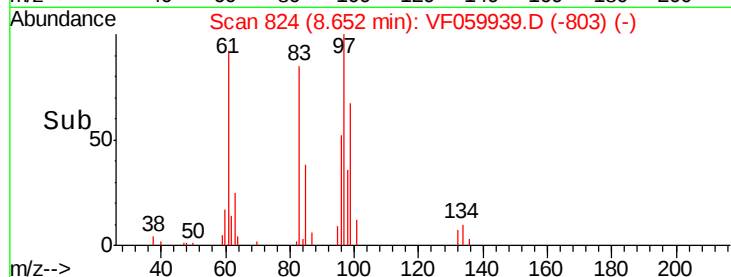
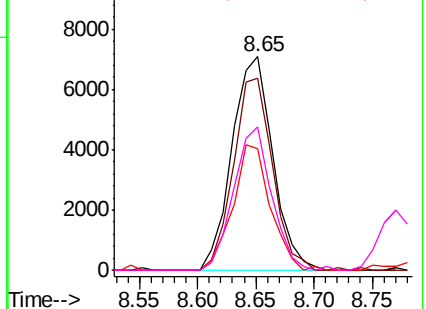


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.956 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

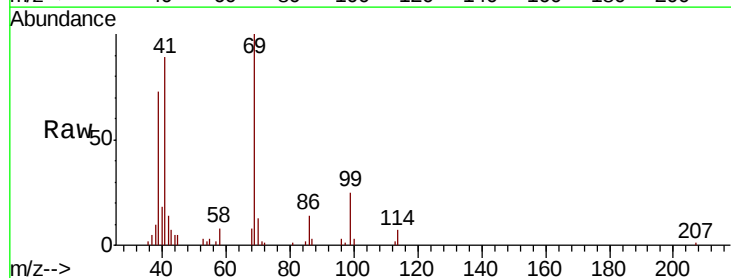
Tgt Ion: 69 Resp: 17377

Ion Ratio Lower Upper

69 100

41 89.2 74.7 112.1

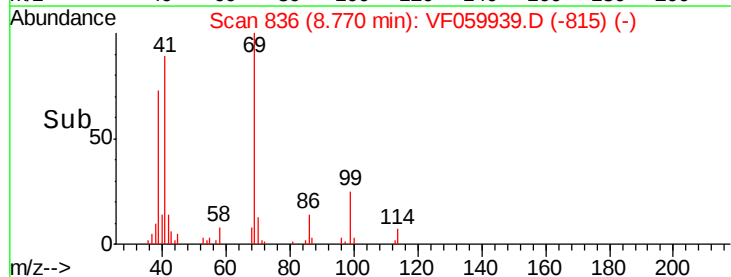
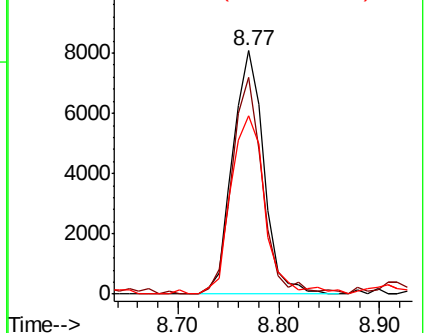
39 73.4 61.1 91.7

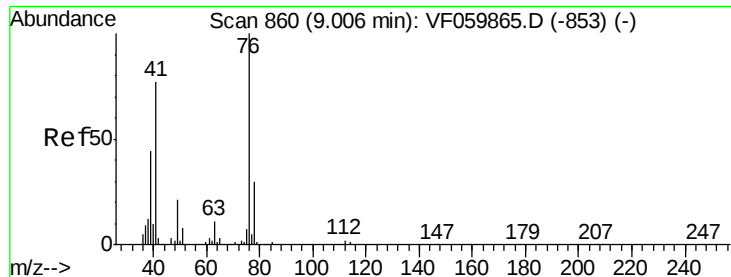


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

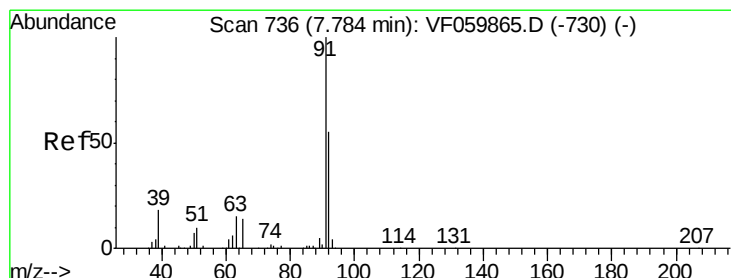
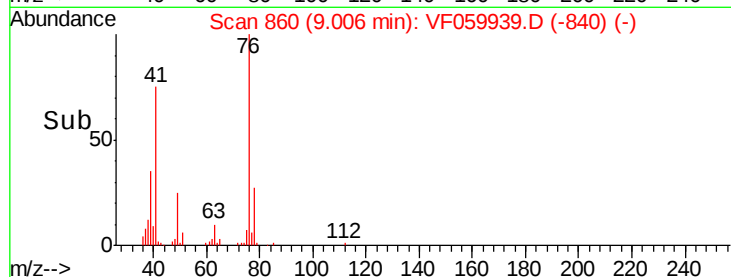
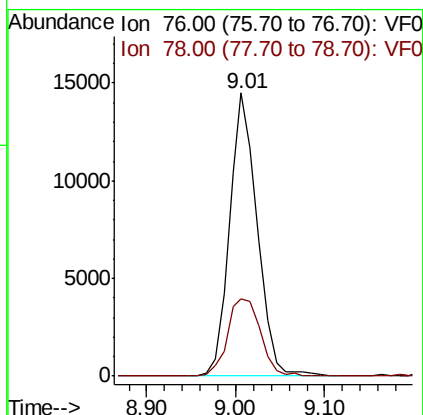
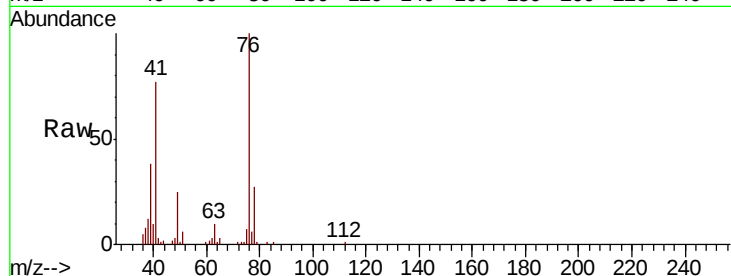




#57
 1,3-Dichloropropane
 Concen: 21.828 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

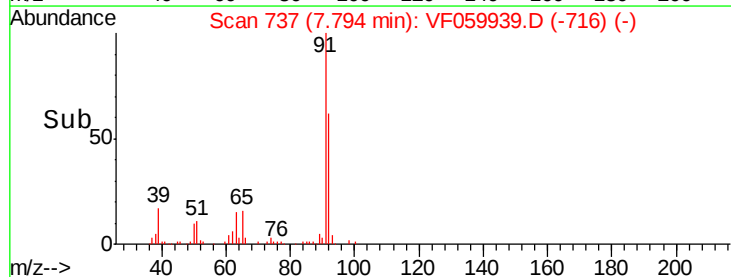
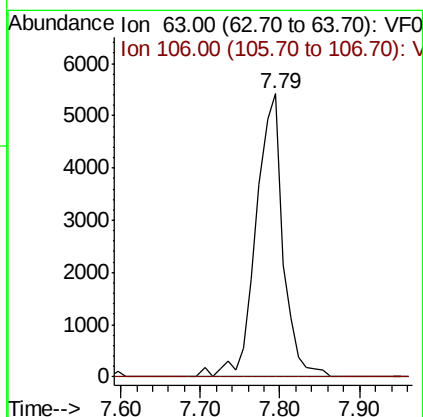
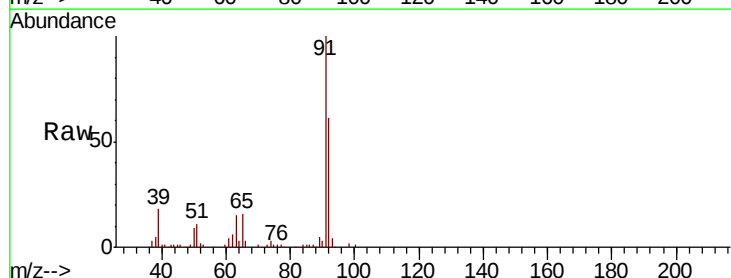
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

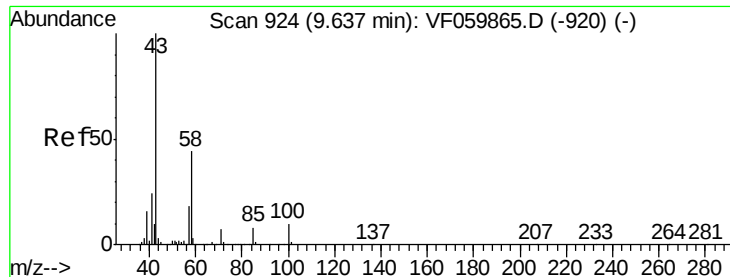
Tgt Ion: 76 Resp: 31483
 Ion Ratio Lower Upper
 76 100
 78 27.4 24.2 36.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.827 ug/l
 RT: 7.79 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion: 63 Resp: 12649
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

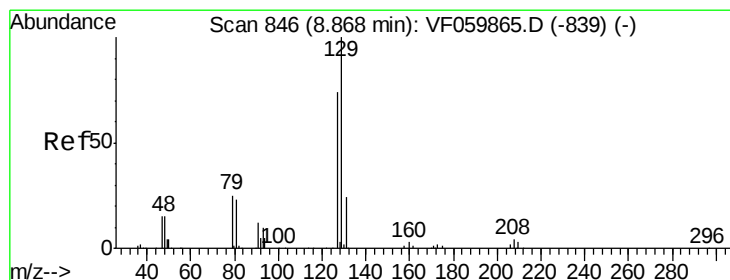
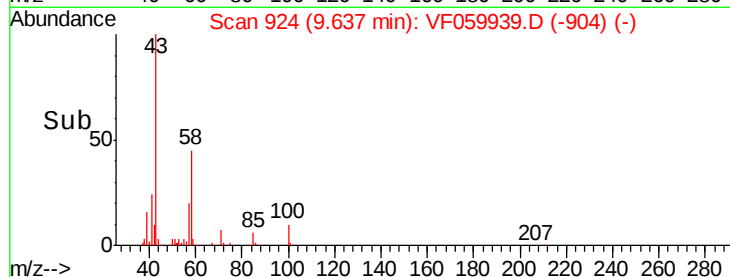
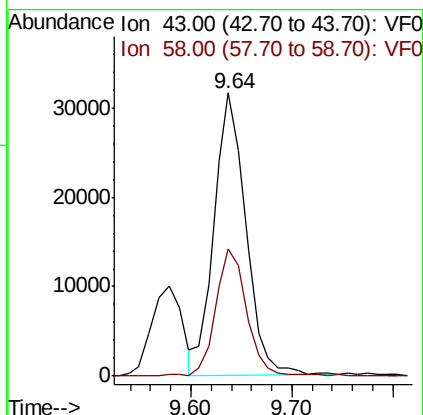
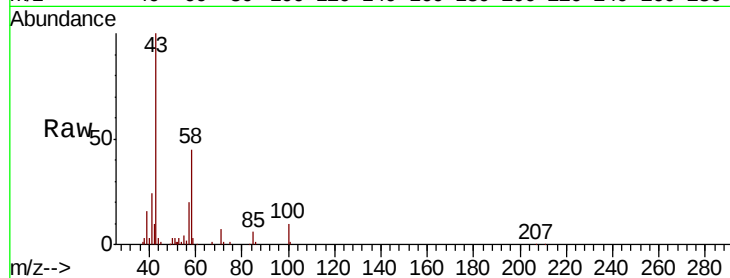




#59
2-Hexanone
Concen: 116.884 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

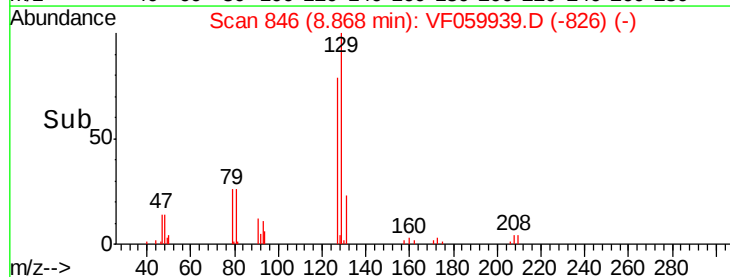
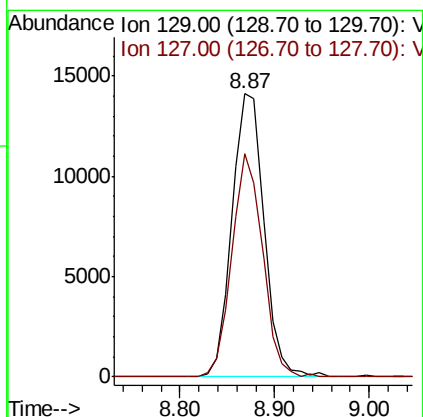
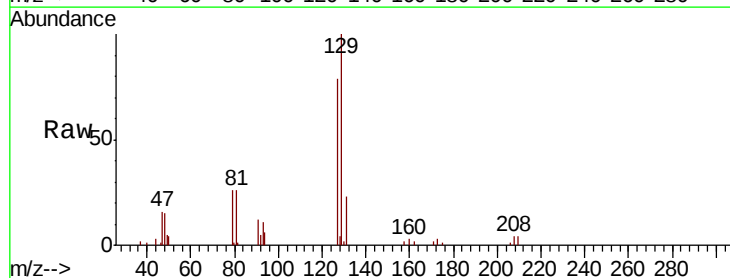
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

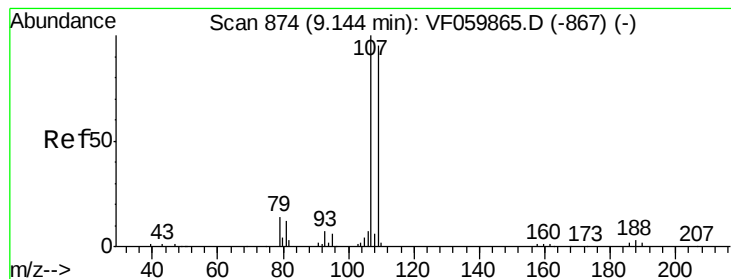
Tgt Ion: 43 Resp: 68954
Ion Ratio Lower Upper
43 100
58 44.9 20.8 62.2



#60
Dibromochloromethane
Concen: 21.069 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion: 129 Resp: 33202
Ion Ratio Lower Upper
129 100
127 78.8 36.9 110.7





#61

1,2-Dibromoethane

Concen: 21.603 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

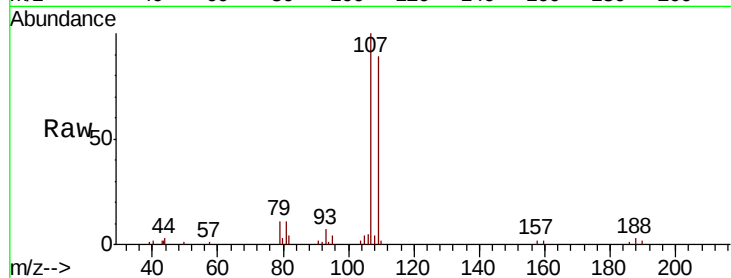
VF0810SBS01

Tgt Ion: 107 Resp: 22110

Ion Ratio Lower Upper

107 100

109 89.0 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12000

10000

8000

6000

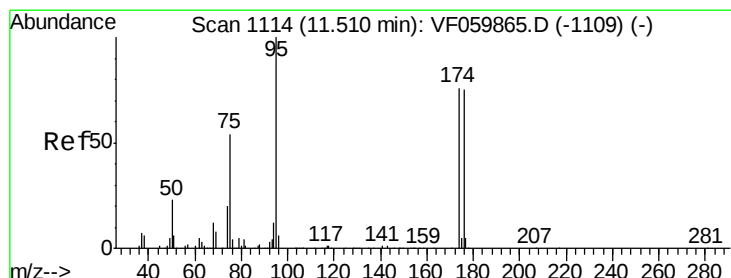
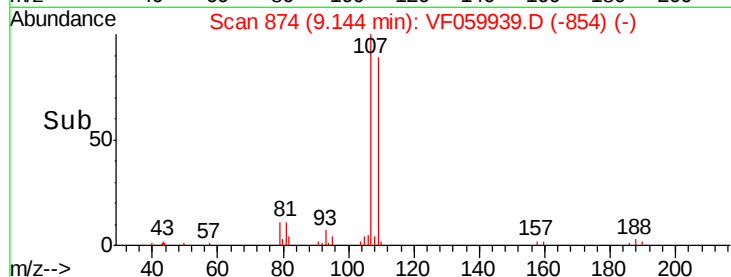
4000

2000

0

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 55.557 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

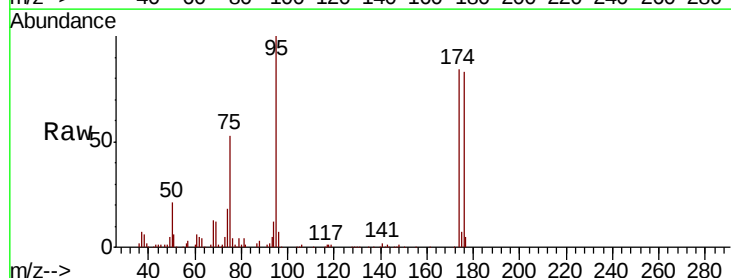
Tgt Ion: 95 Resp: 105559

Ion Ratio Lower Upper

95 100

174 83.9 0.0 151.6

176 82.5 0.0 149.8



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

80000

60000

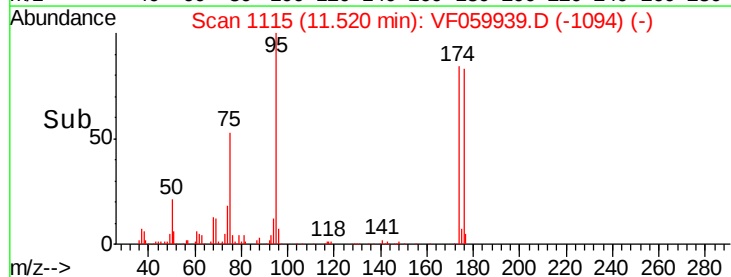
40000

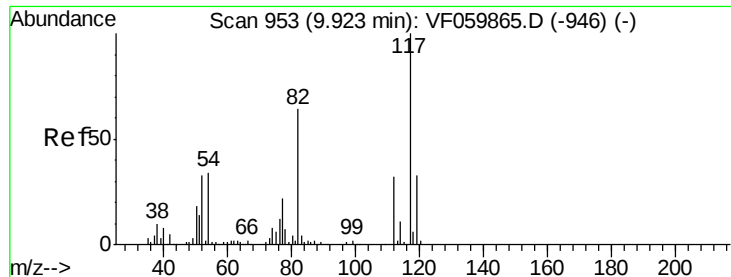
20000

0

11.40 11.50 11.60 11.70

Time-->

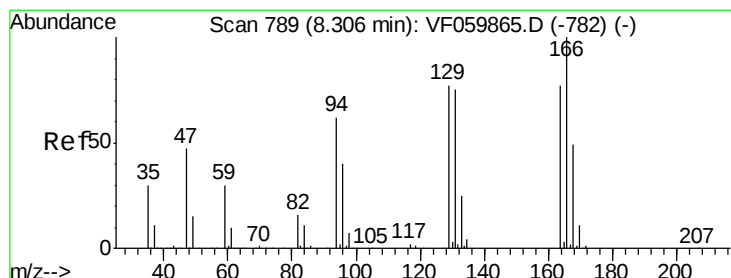
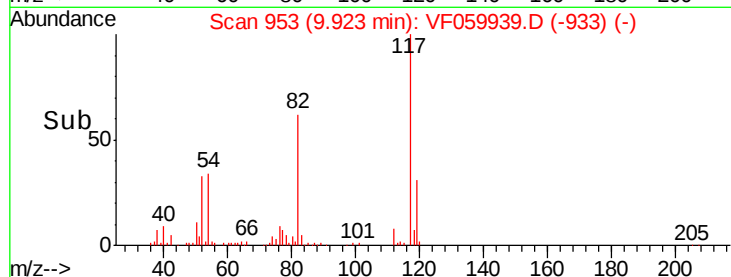
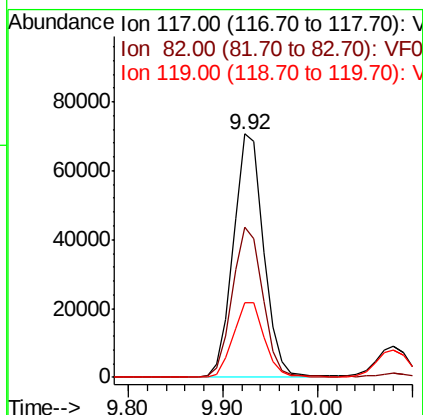
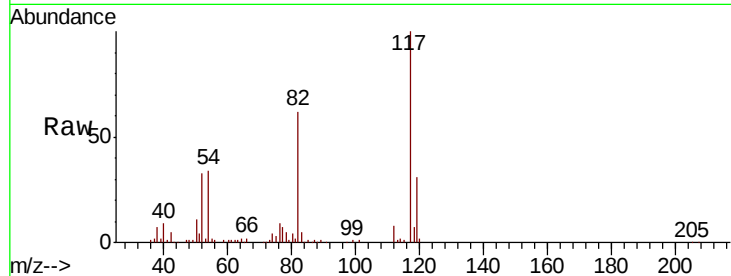




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

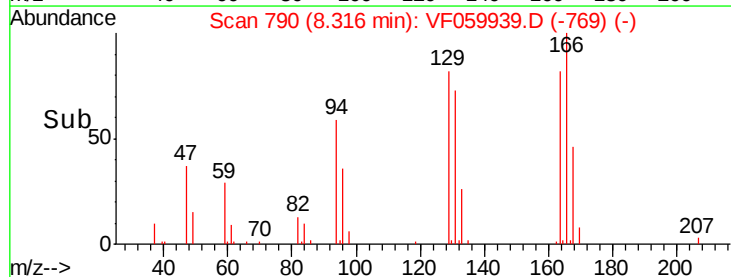
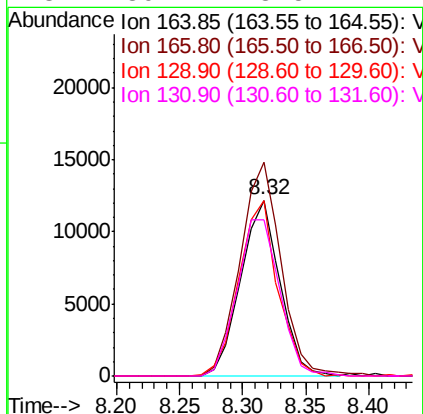
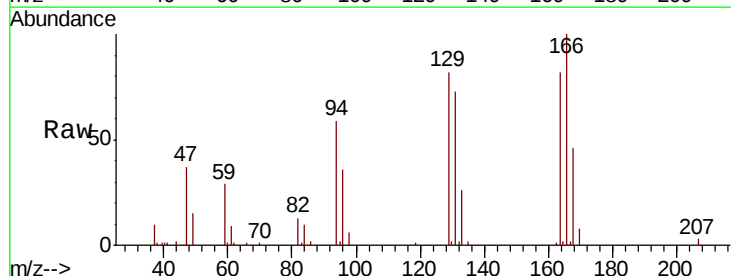
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

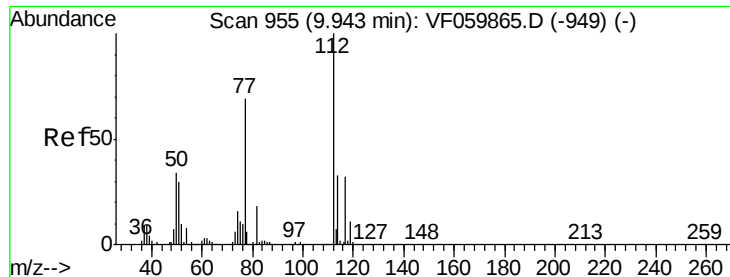
Tgt Ion:117 Resp: 158046
Ion Ratio Lower Upper
117 100
82 61.7 51.3 76.9
119 30.7 26.4 39.6



#64
Tetrachloroethene
Concen: 19.249 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion:164 Resp: 26244
Ion Ratio Lower Upper
164 100
166 121.4 104.4 156.6
129 99.8 80.3 120.5
131 89.1 78.5 117.7

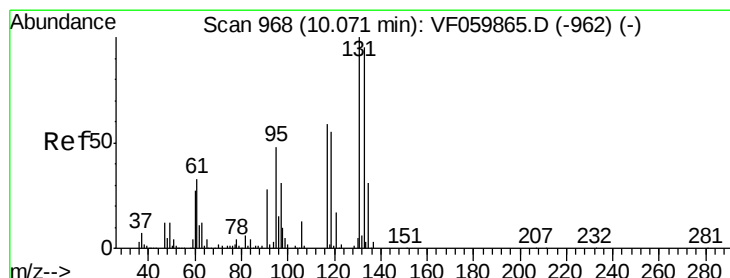
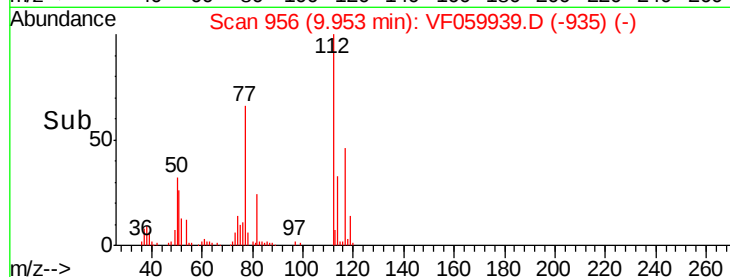
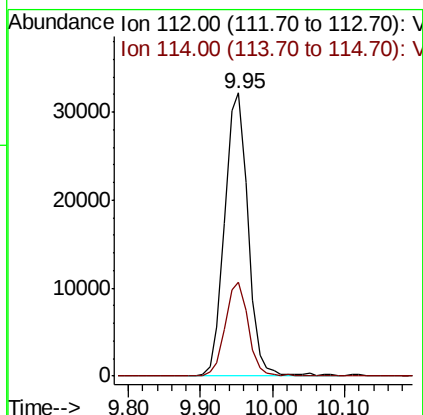
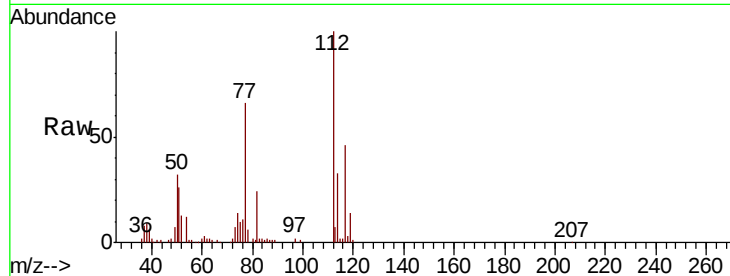




#65
Chlorobenzene
Concen: 22.652 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

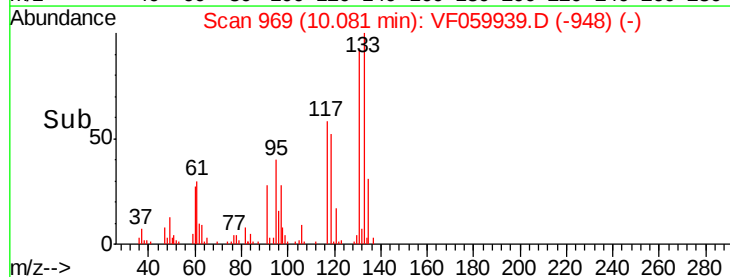
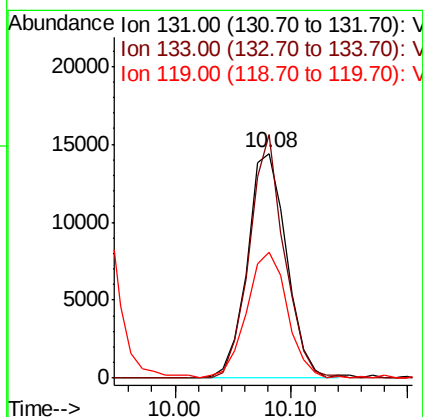
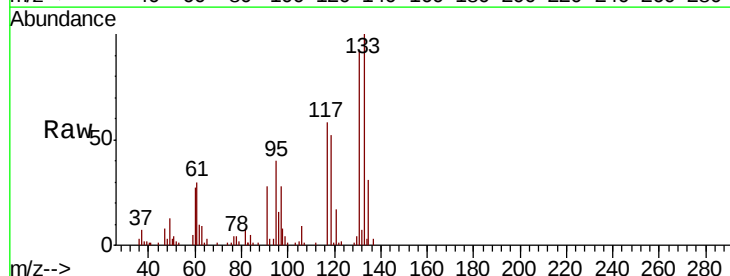
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

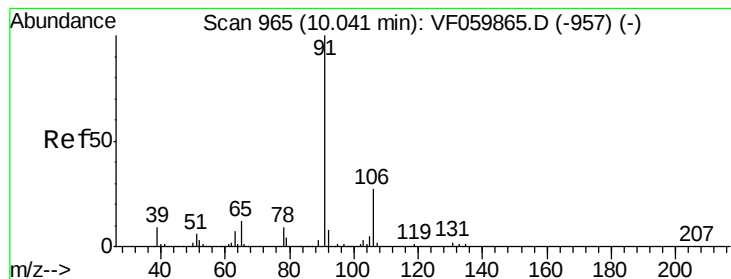
Tgt Ion:112 Resp: 72666
Ion Ratio Lower Upper
112 100
114 33.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.063 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion:131 Resp: 33612
Ion Ratio Lower Upper
131 100
133 108.5 47.4 142.2
119 56.0 27.7 83.1





#67

Ethyl Benzene

Concen: 23.463 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

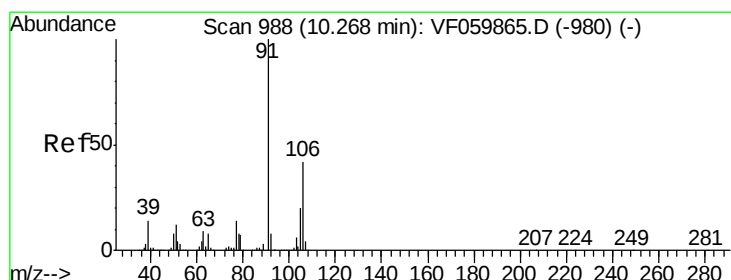
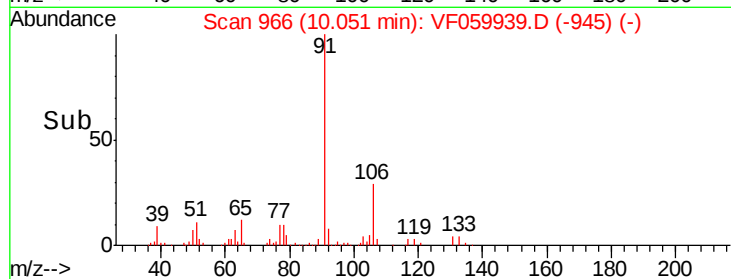
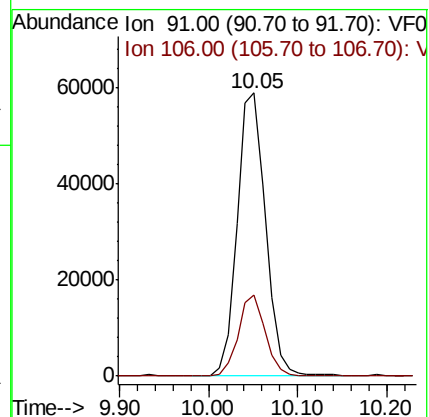
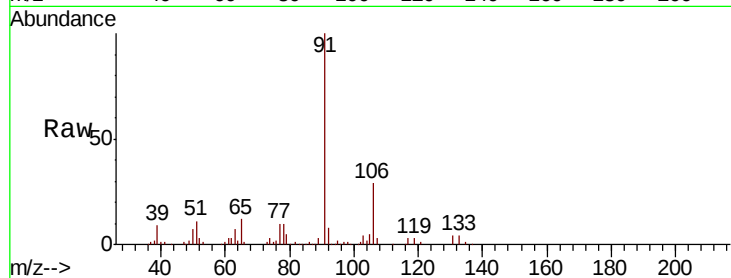
VF0810SBS01

Tgt Ion: 91 Resp: 131129

Ion Ratio Lower Upper

91 100

106 28.6 21.5 32.3



#68

m/p-Xylenes

Concen: 45.588 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059939.D

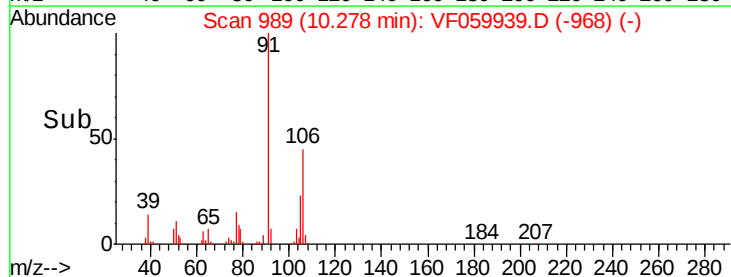
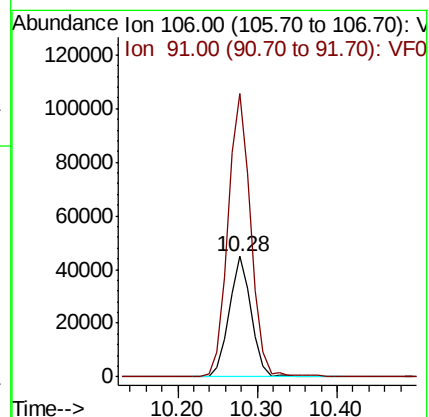
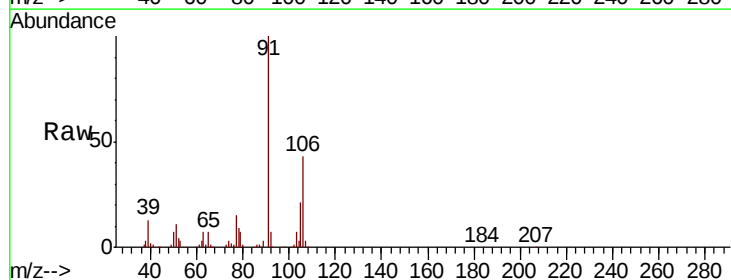
Acq: 10 Aug 2018 12:42

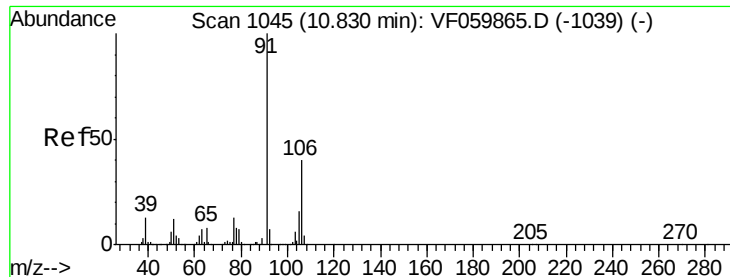
Tgt Ion: 106 Resp: 88073

Ion Ratio Lower Upper

106 100

91 234.9 192.1 288.1

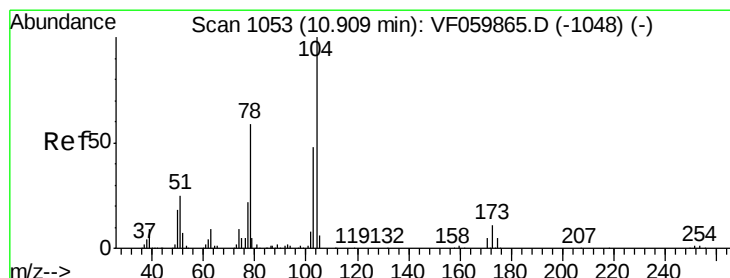
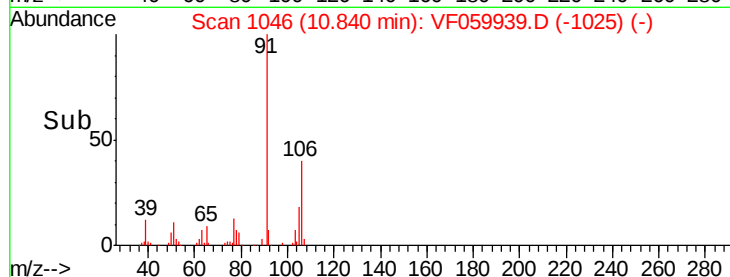
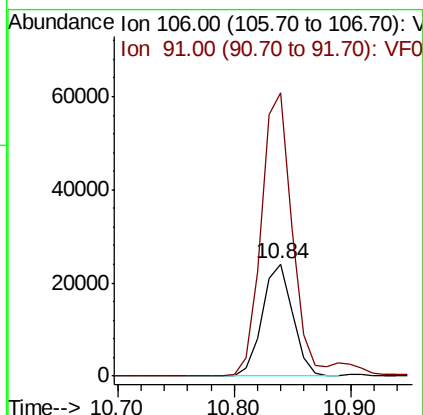
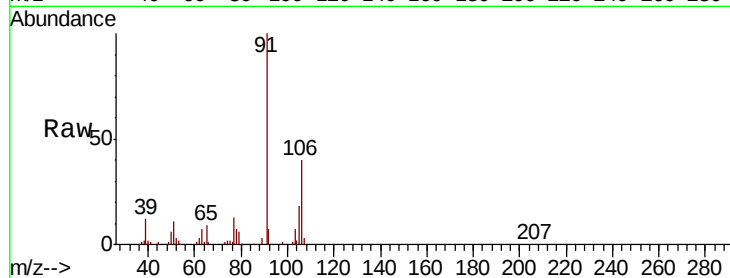




#69
o-Xylene
Concen: 21.356 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

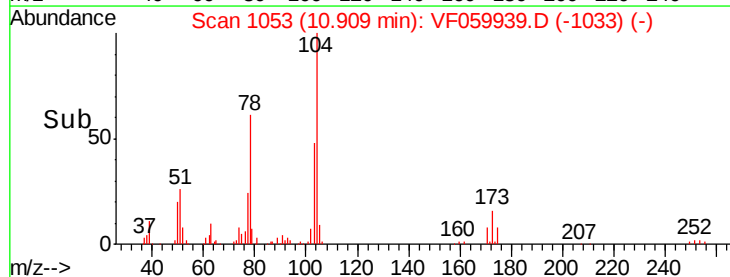
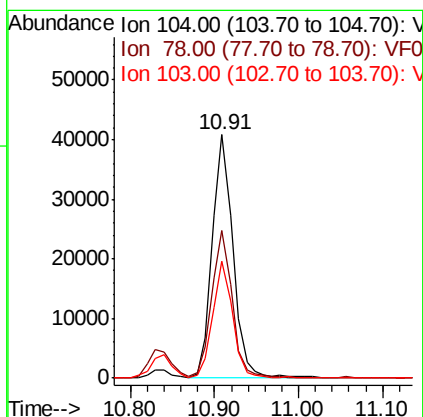
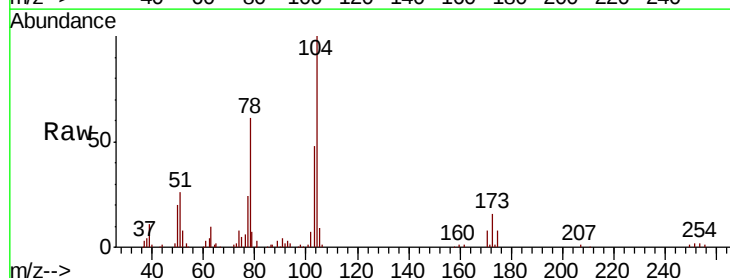
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

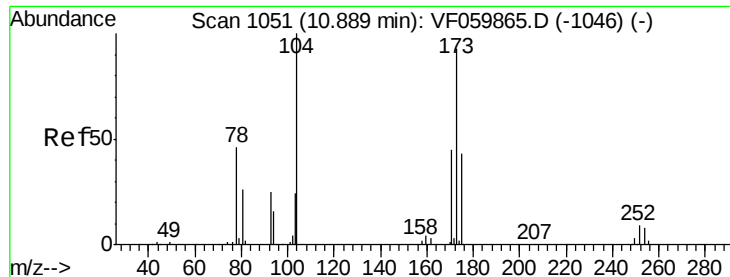
Tgt Ion:106 Resp: 43707
Ion Ratio Lower Upper
106 100
91 251.9 125.4 376.2



#70
Styrene
Concen: 22.745 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion:104 Resp: 69462
Ion Ratio Lower Upper
104 100
78 60.6 47.3 70.9
103 48.1 39.0 58.4





#71

Bromoform

Concen: 21.554 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

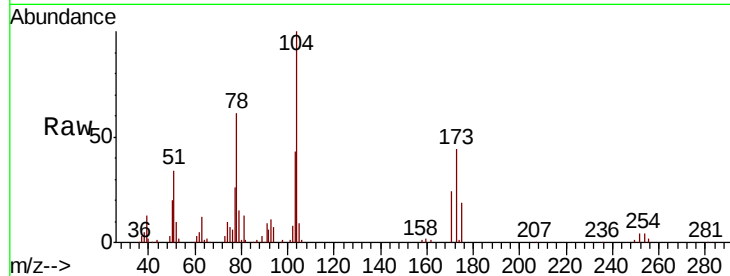
Tgt Ion:173 Resp: 21079

Ion Ratio Lower Upper

173 100

175 44.3 23.4 70.2

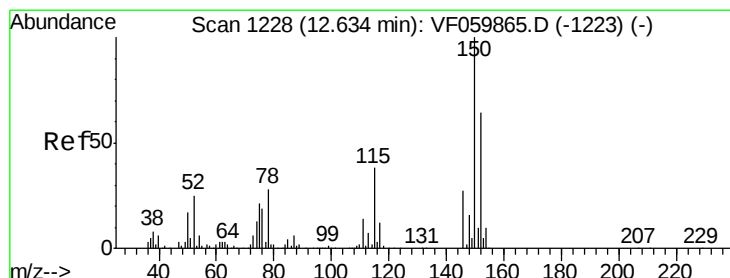
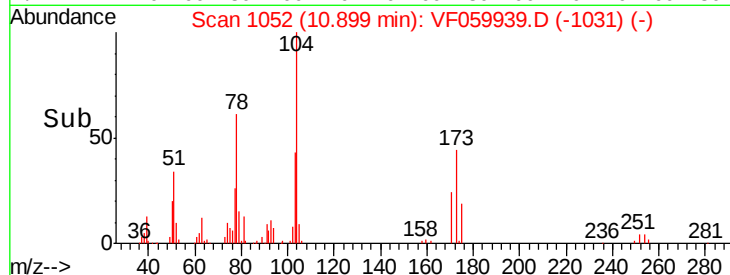
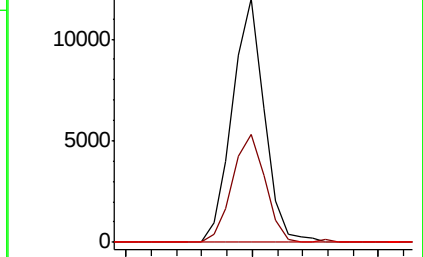
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

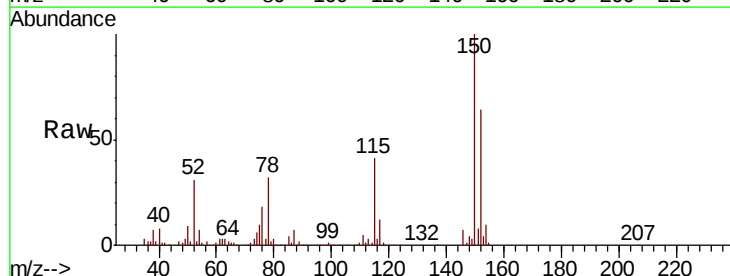
Tgt Ion:152 Resp: 105202

Ion Ratio Lower Upper

152 100

115 63.4 29.8 89.4

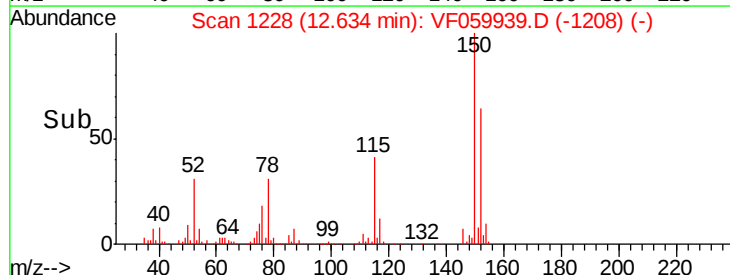
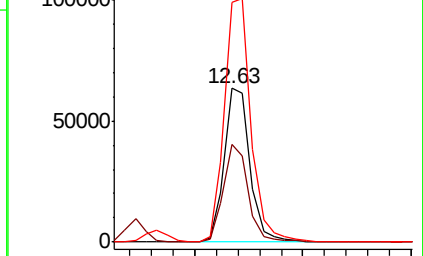
150 155.9 0.0 315.6

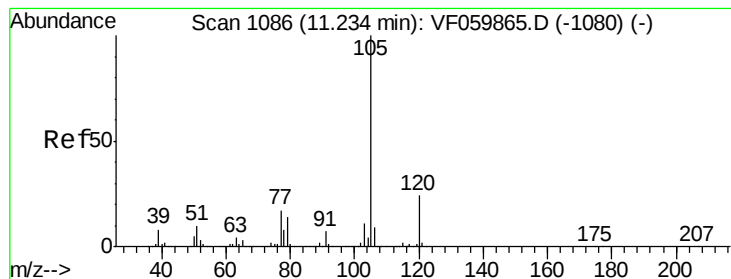


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.625 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

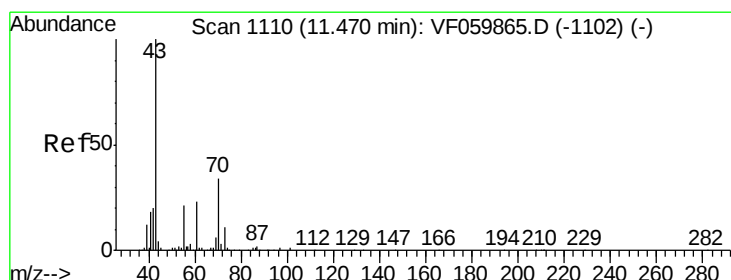
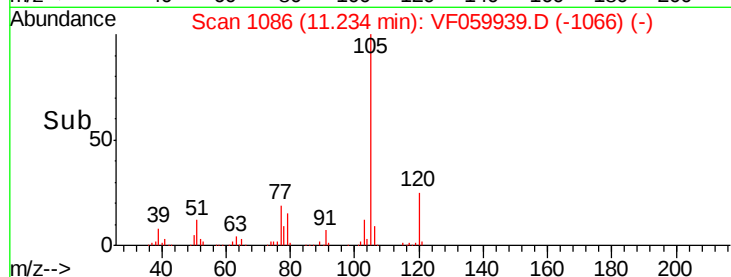
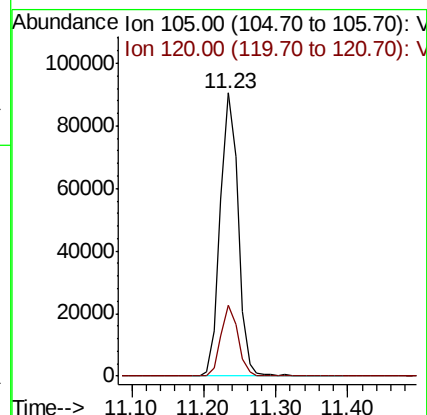
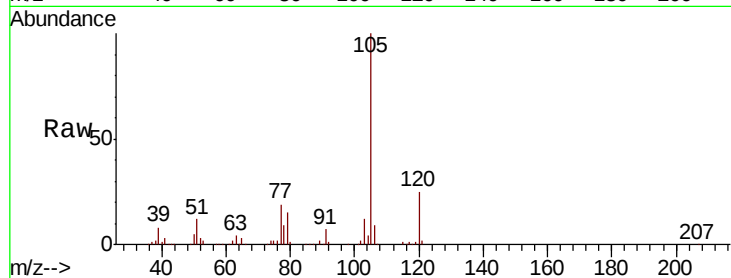
VF0810SBS01

Tgt Ion: 105 Resp: 154805

Ion Ratio Lower Upper

105 100

120 25.0 12.1 36.3



#74

N-ethyl acetate

Concen: 22.358 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Tgt Ion: 43 Resp: 33435

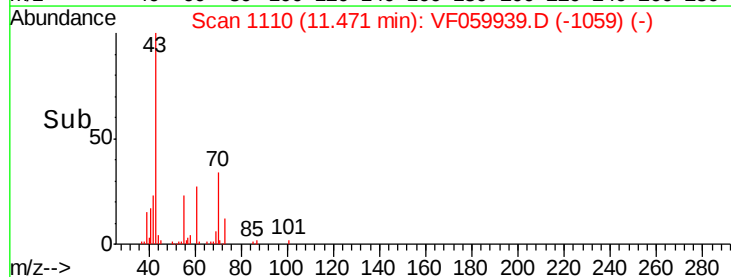
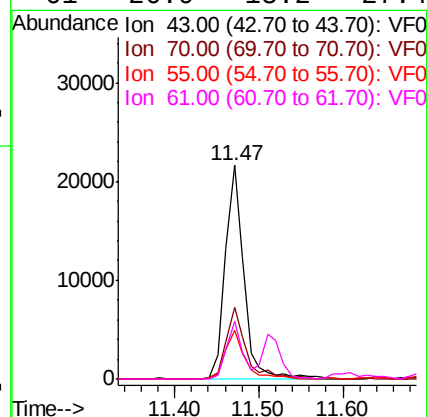
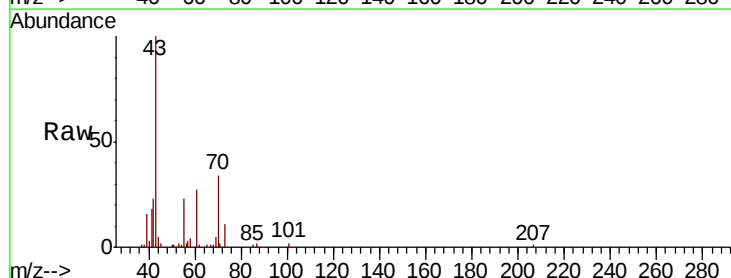
Ion Ratio Lower Upper

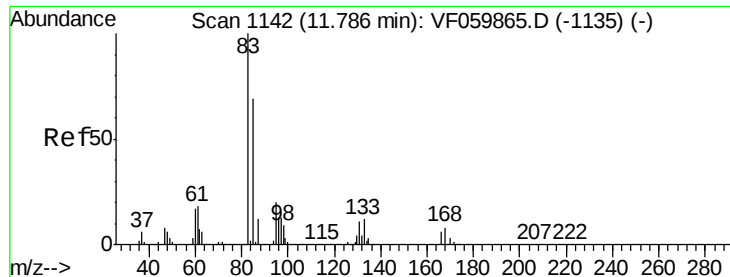
43 100

70 33.6 27.5 41.3

55 22.9 16.6 25.0

61 26.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

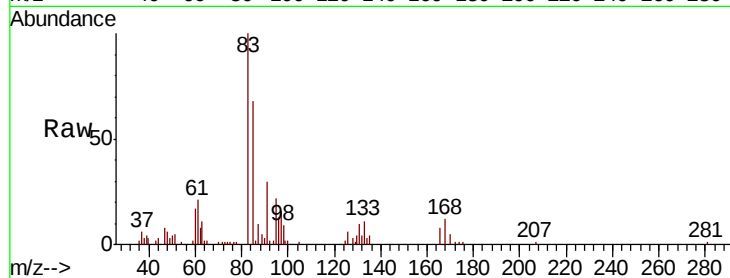
Tgt Ion: 83 Resp: 24872

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.9

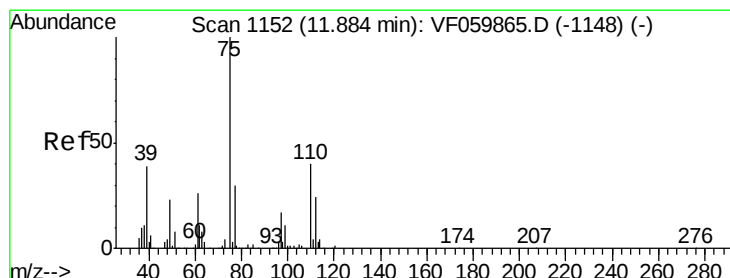
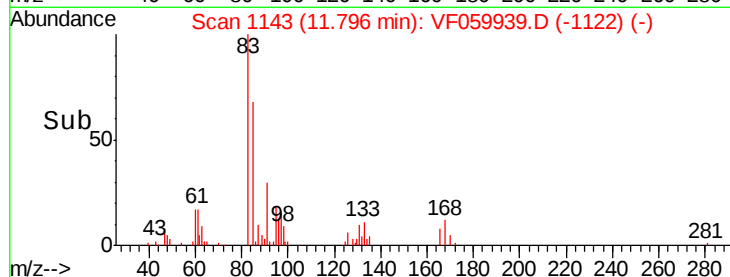
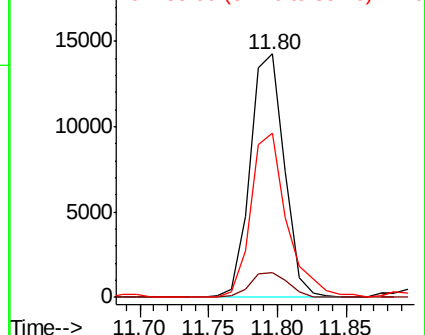
85 67.6 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.569 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059939.D

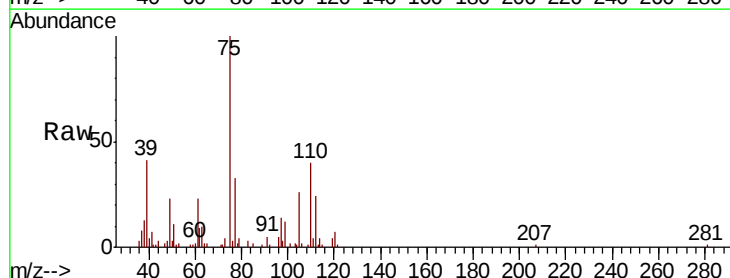
Acq: 10 Aug 2018 12:42

Tgt Ion: 75 Resp: 21734

Ion Ratio Lower Upper

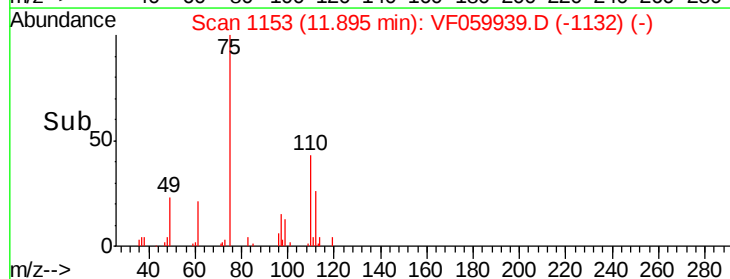
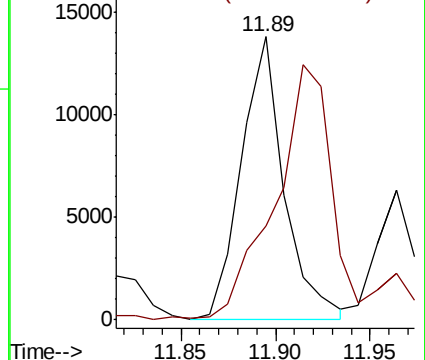
75 100

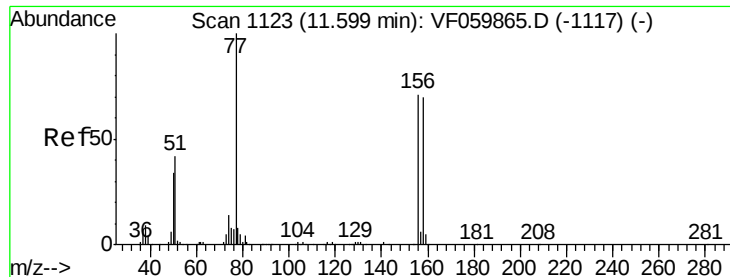
77 33.0 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

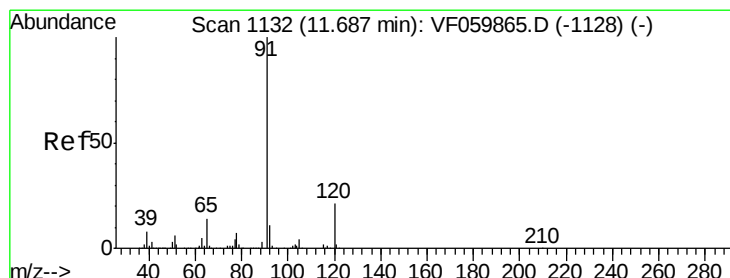
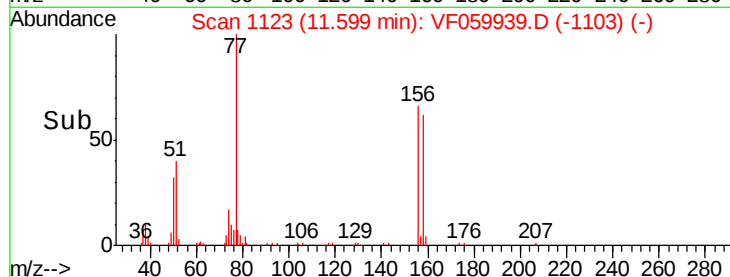
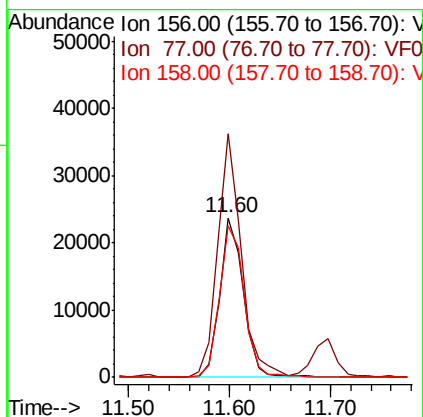
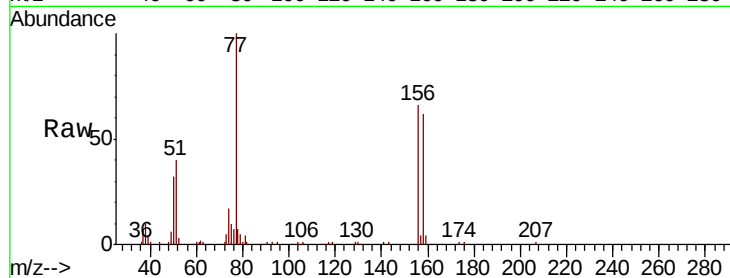




#77
Bromobenzene
Concen: 21.809 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

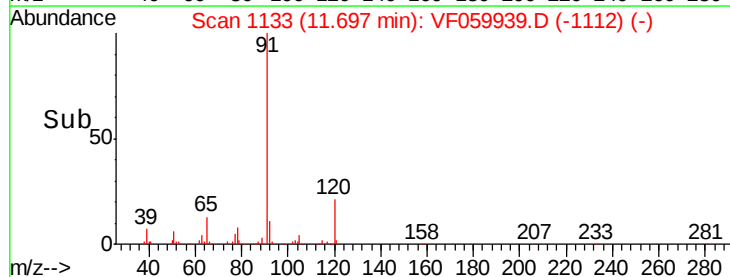
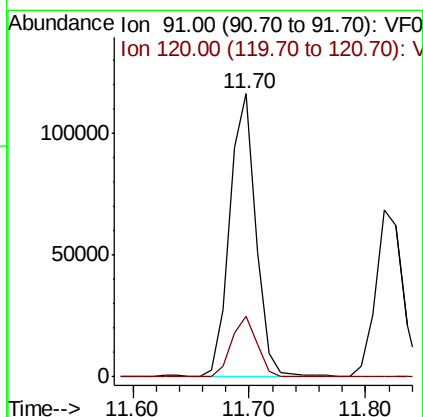
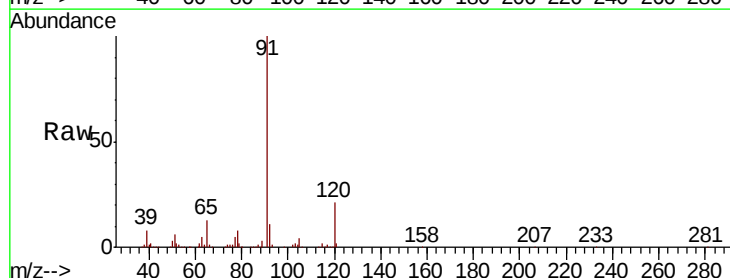
Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

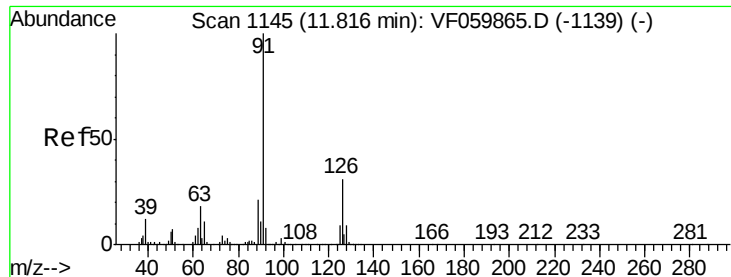
Tgt Ion:156 Resp: 38864
Ion Ratio Lower Upper
156 100
77 152.6 70.2 210.6
158 94.8 49.2 147.6



#78
n-propylbenzene
Concen: 23.316 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion: 91 Resp: 180427
Ion Ratio Lower Upper
91 100
120 21.4 10.4 31.2





#79

2-Chlorotoluene

Concen: 22.292 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

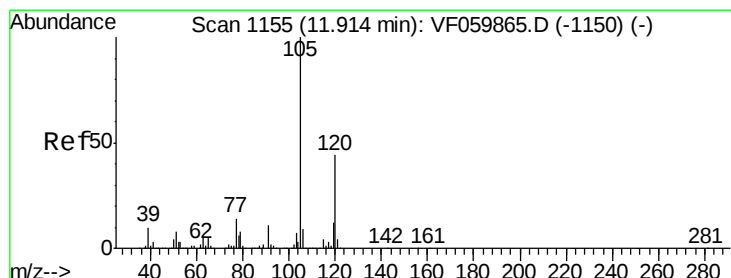
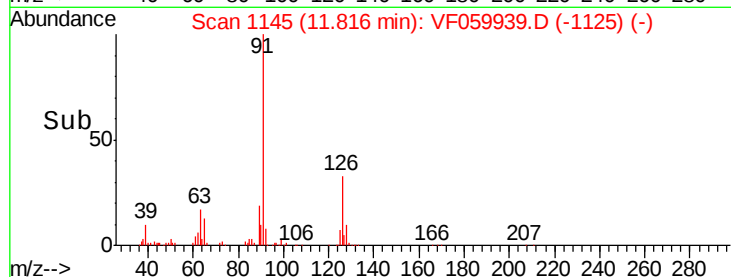
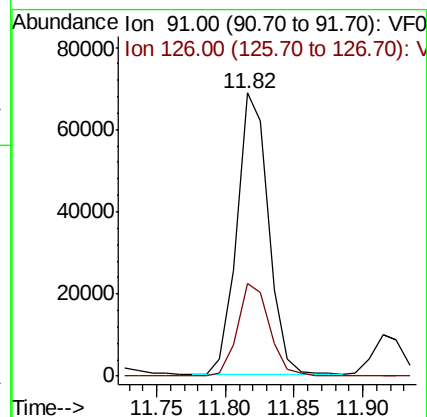
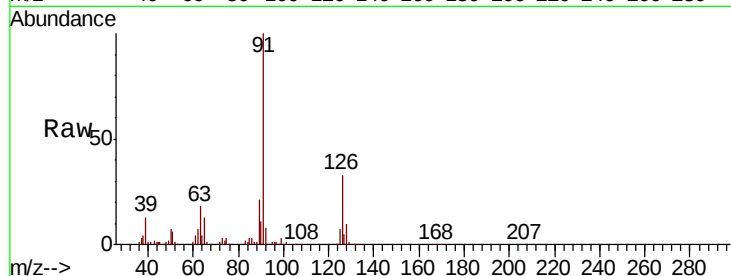
VF0810SBS01

Tgt Ion: 91 Resp: 109122

Ion Ratio Lower Upper

91 100

126 32.9 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 22.706 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059939.D

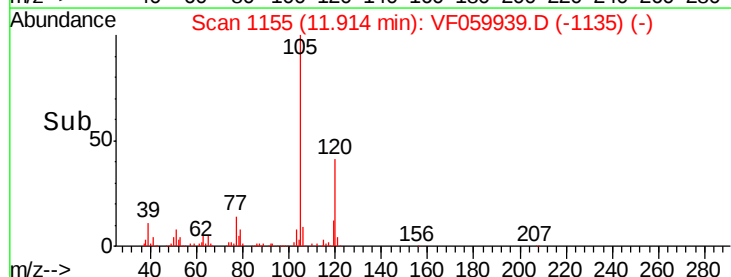
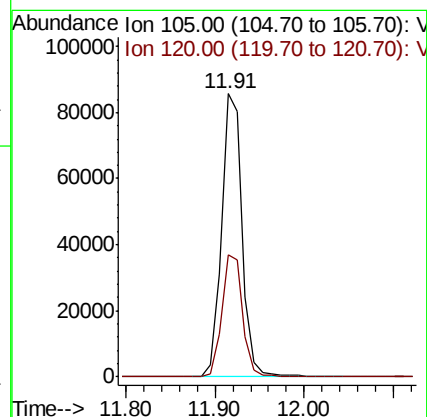
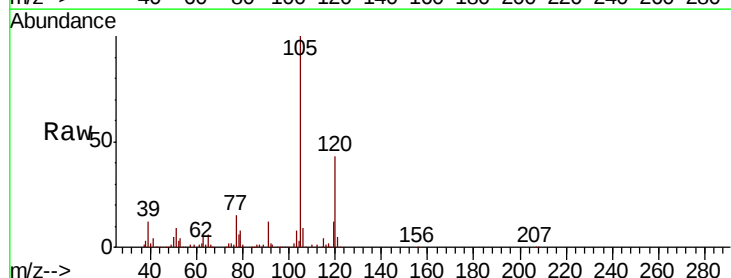
Acq: 10 Aug 2018 12:42

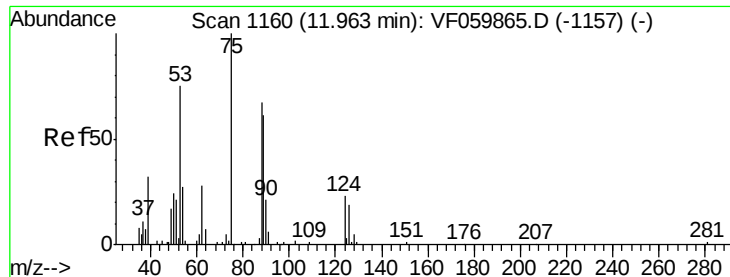
Tgt Ion: 105 Resp: 138161

Ion Ratio Lower Upper

105 100

120 43.0 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 35.016 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

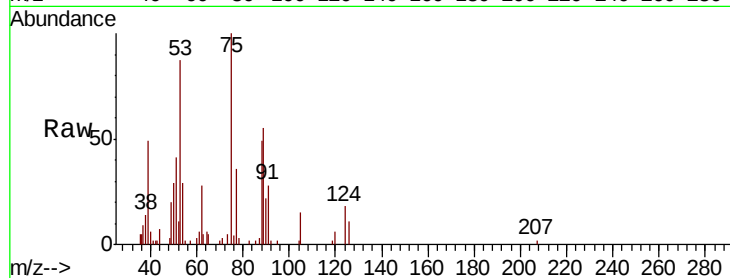
Tgt Ion: 75 Resp: 13290

Ion Ratio Lower Upper

75 100

53 86.8 65.9 98.9

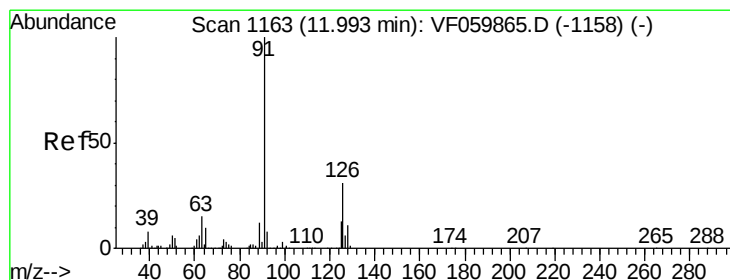
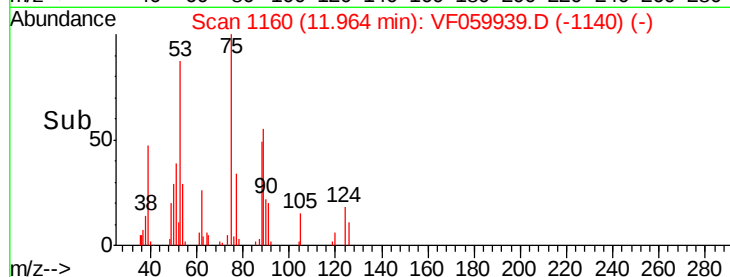
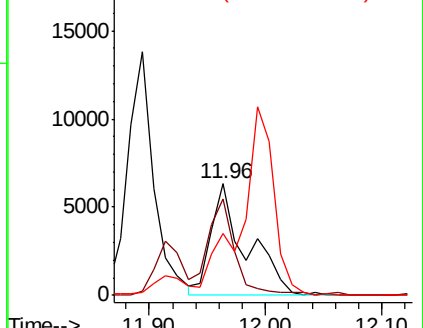
89 55.1 50.6 76.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.189 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059939.D

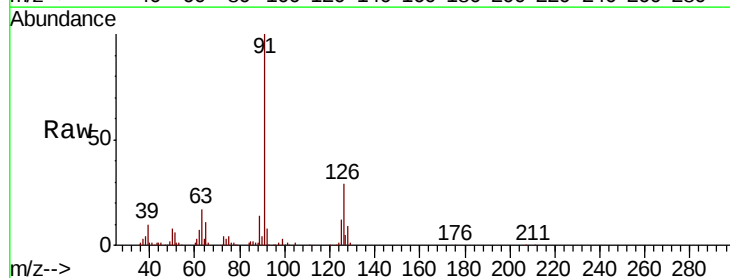
Acq: 10 Aug 2018 12:42

Tgt Ion: 91 Resp: 123257

Ion Ratio Lower Upper

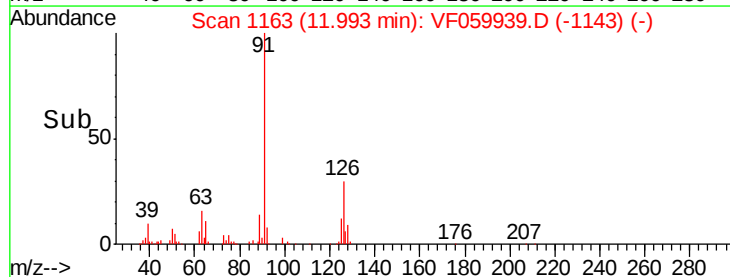
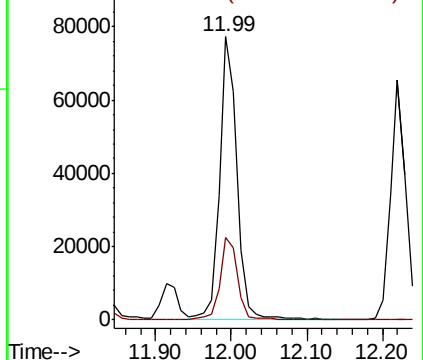
91 100

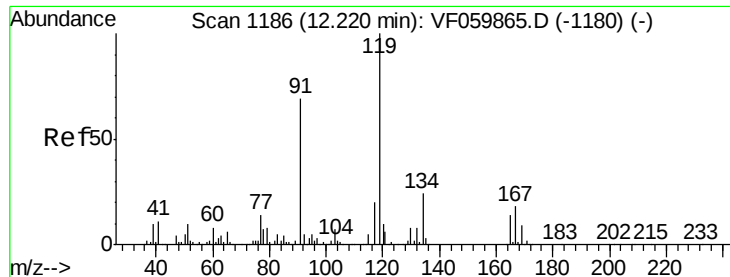
126 29.3 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

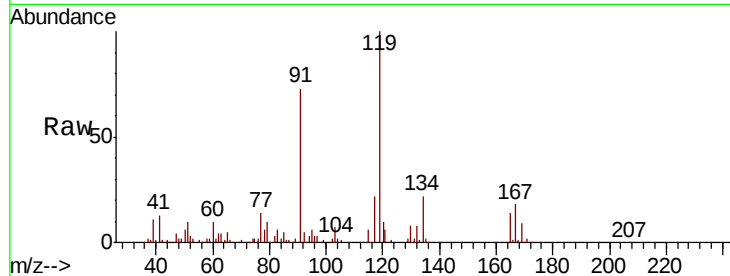




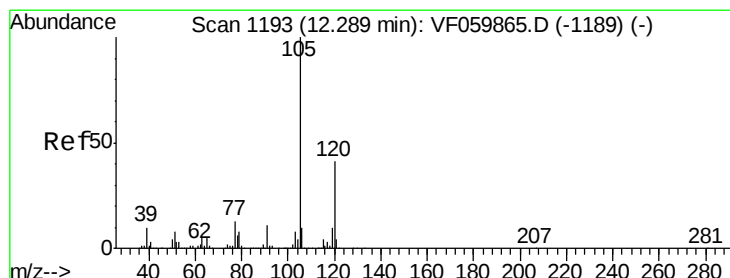
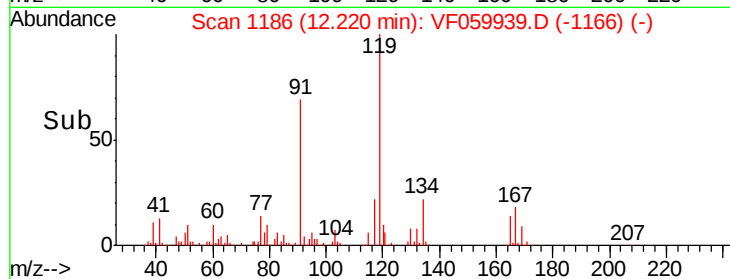
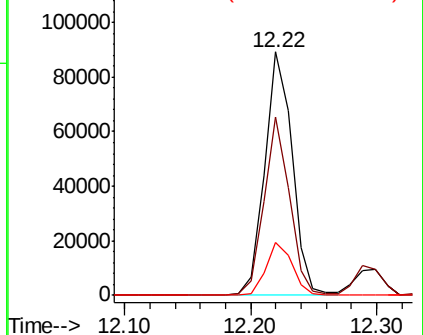
#83
 tert-Butylbenzene
 Concen: 22.983 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Tgt Ion:119 Resp: 136122
 Ion Ratio Lower Upper
 119 100
 91 73.4 34.4 103.2
 134 21.9 12.1 36.3

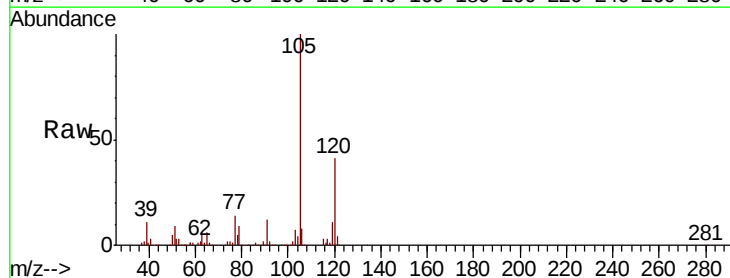


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

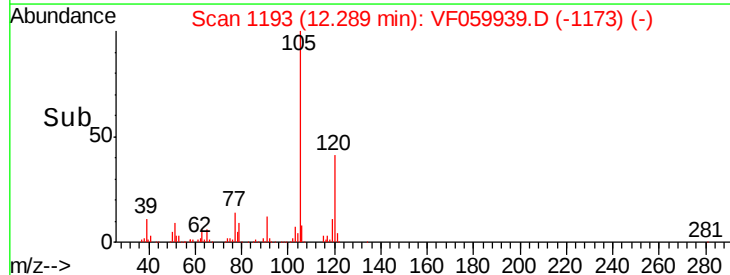
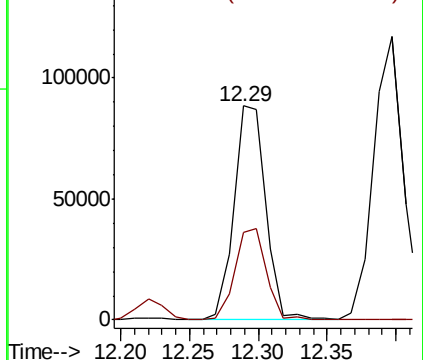


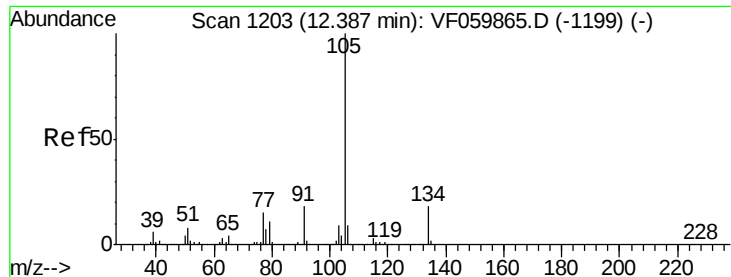
#84
 1,2,4-Trimethylbenzene
 Concen: 22.747 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion:105 Resp: 142349
 Ion Ratio Lower Upper
 105 100
 120 41.0 20.8 62.5



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

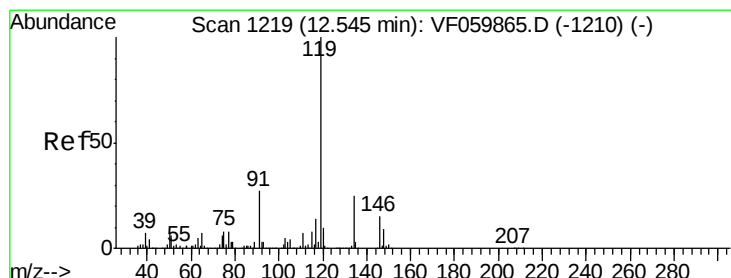
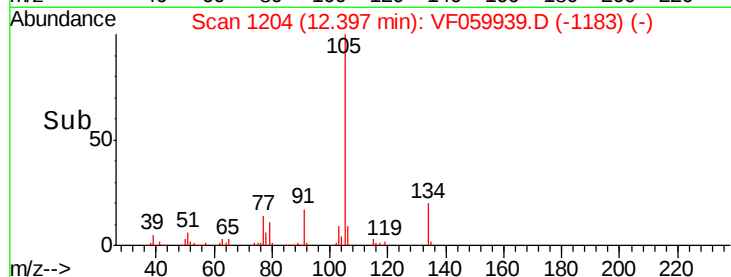
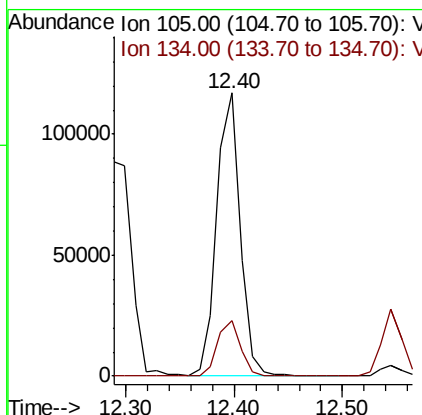
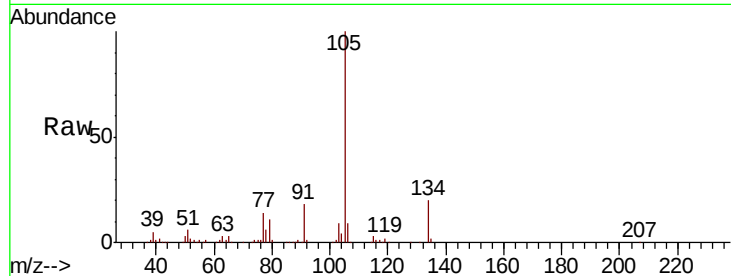




#85
 sec-Butylbenzene
 Concen: 22.534 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

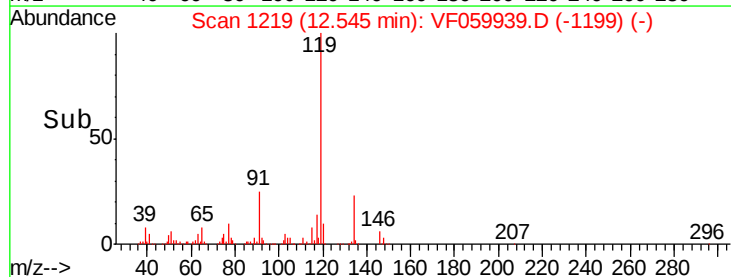
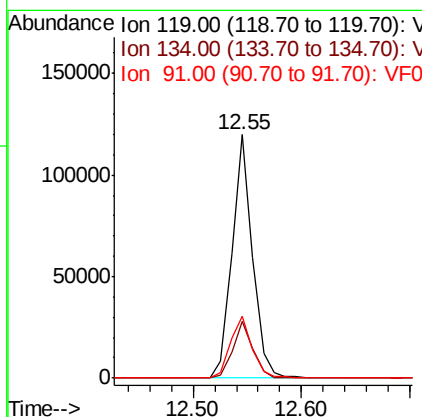
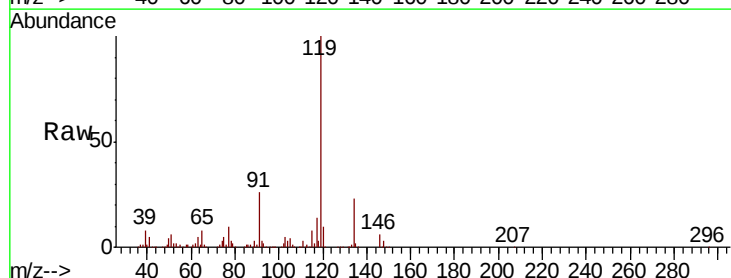
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

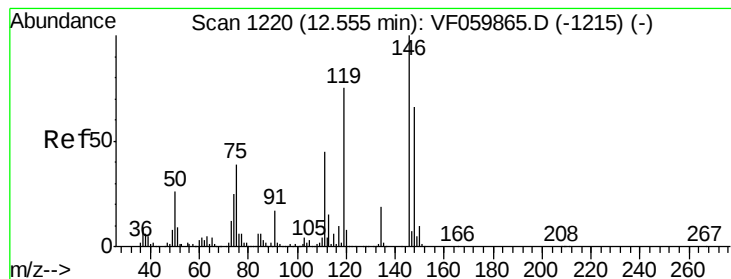
Tgt Ion:105 Resp: 177339
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 23.839 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion:119 Resp: 157683
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.4 37.0
 91 25.5 13.6 40.7





#87

1,3-Dichlorobenzene

Concen: 22.285 ug/l

RT: 12.56 min Scan# 1221

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

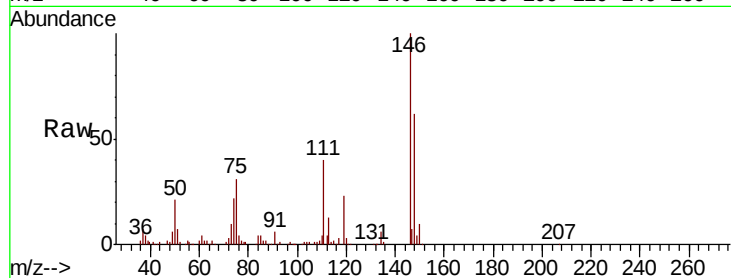
Tgt Ion:146 Resp: 75244

Ion Ratio Lower Upper

146 100

111 40.4 22.4 67.0

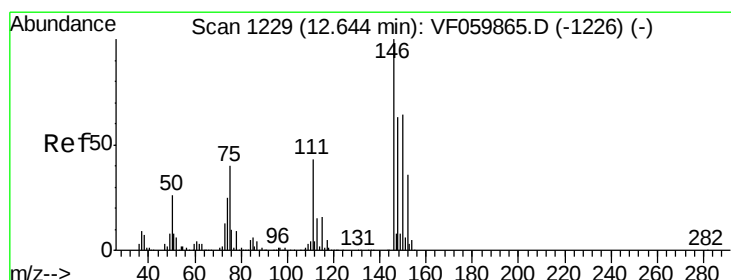
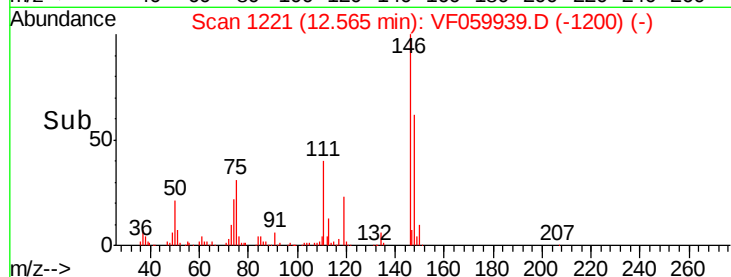
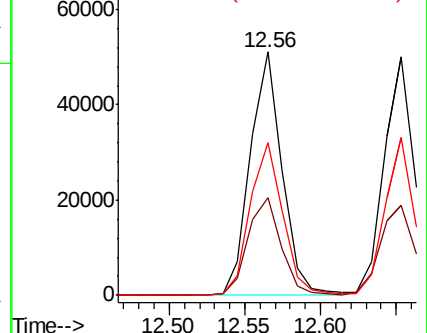
148 62.5 33.1 99.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 22.375 ug/l

RT: 12.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

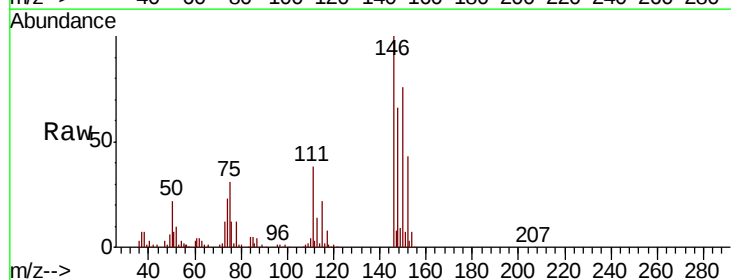
Tgt Ion:146 Resp: 74163

Ion Ratio Lower Upper

146 100

111 37.8 21.4 64.2

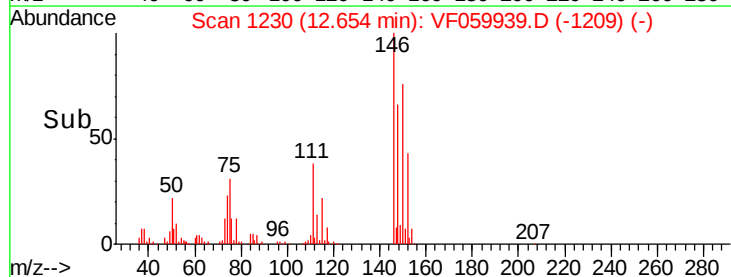
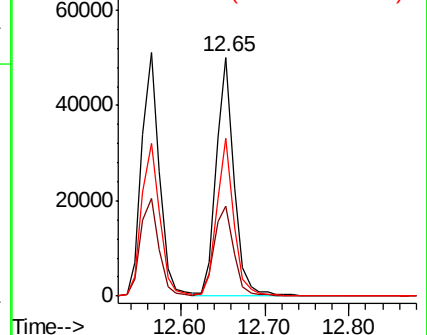
148 66.3 31.6 94.7

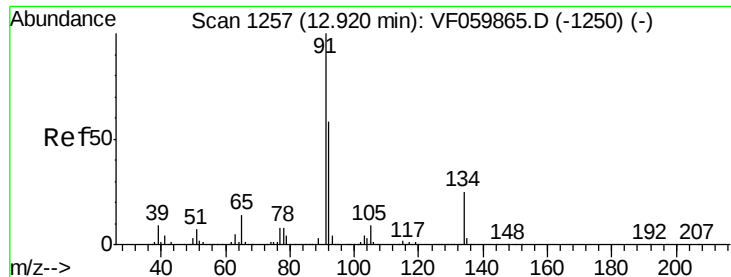


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.142 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

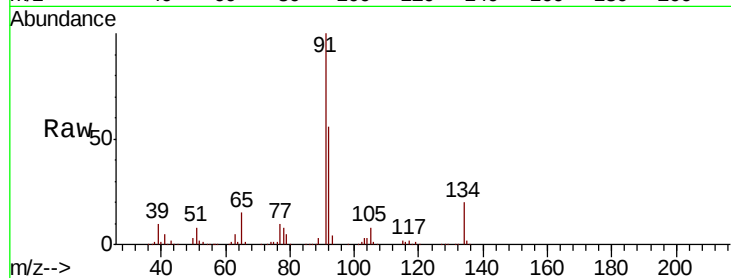
Tgt Ion: 91 Resp: 152188

Ion Ratio Lower Upper

91 100

92 55.6 28.8 86.5

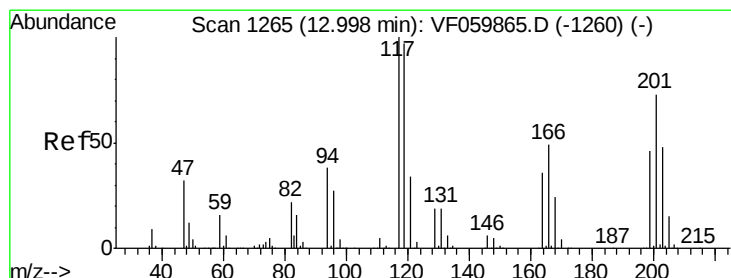
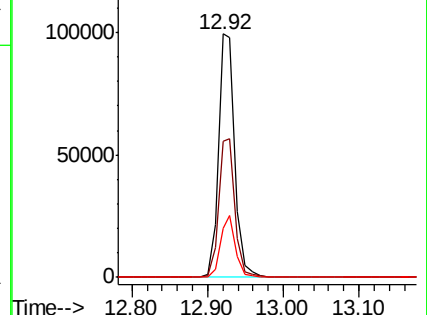
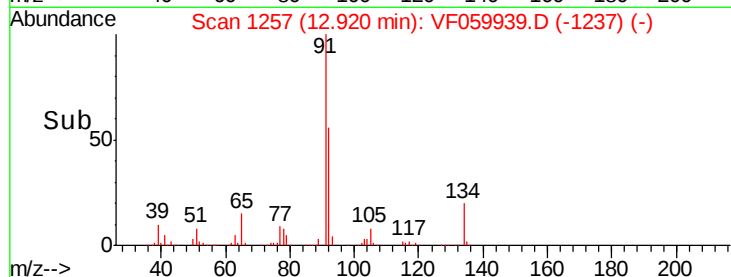
134 20.3 12.6 37.6



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: 21.458 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059939.D

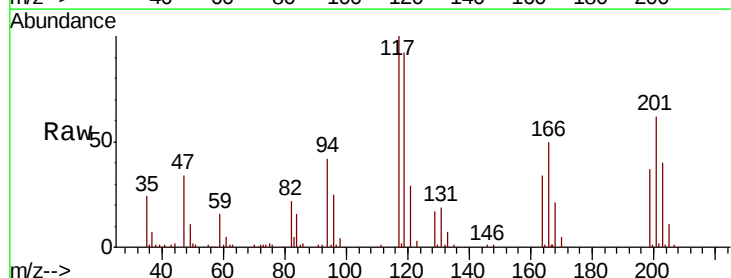
Acq: 10 Aug 2018 12:42

Tgt Ion: 117 Resp: 39167

Ion Ratio Lower Upper

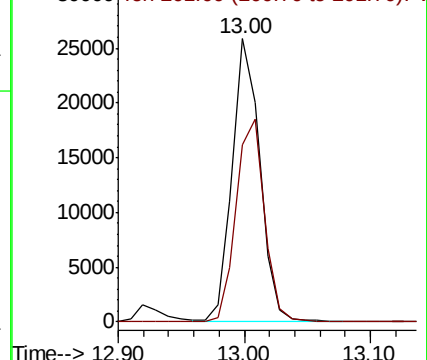
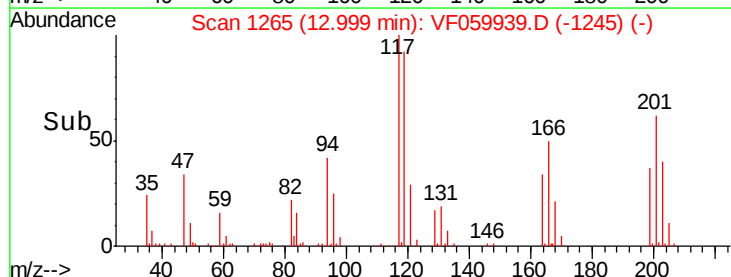
117 100

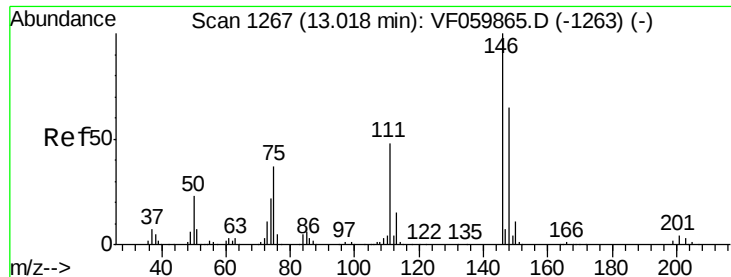
201 62.4 36.6 109.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.903 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

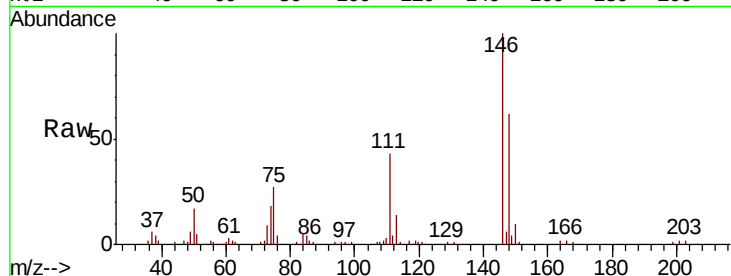
Tgt Ion: 146 Resp: 74415

Ion Ratio Lower Upper

146 100

111 43.1 24.1 72.2

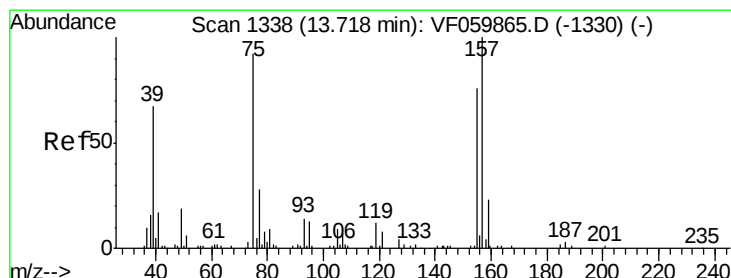
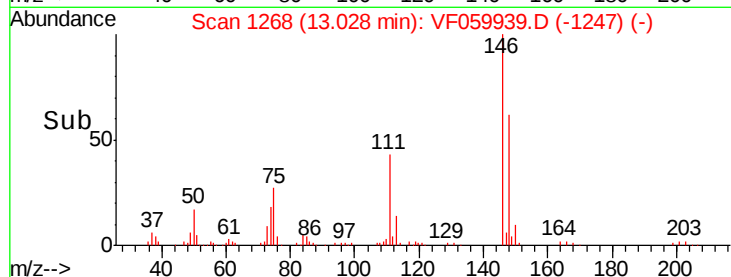
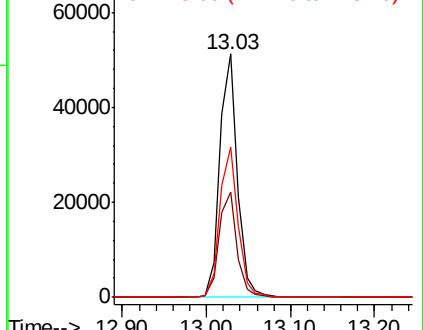
148 61.7 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.978 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059939.D

Acq: 10 Aug 2018 12:42

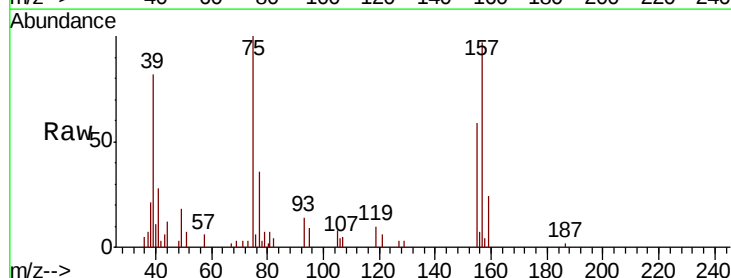
Tgt Ion: 75 Resp: 6506

Ion Ratio Lower Upper

75 100

155 58.7 41.2 123.6

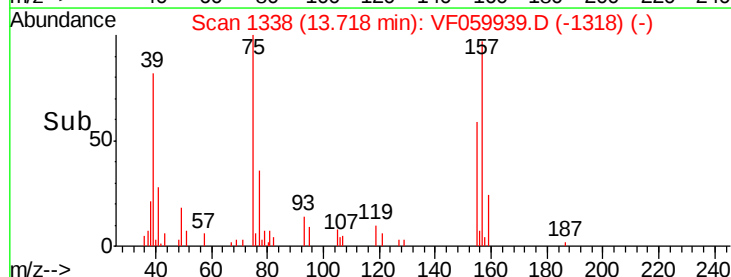
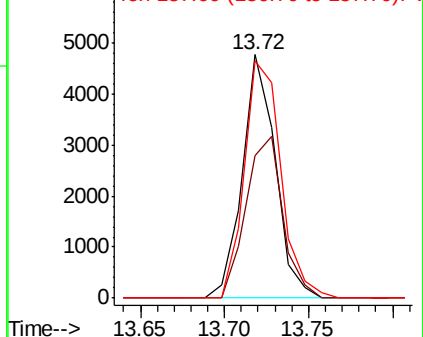
157 97.2 54.5 163.6

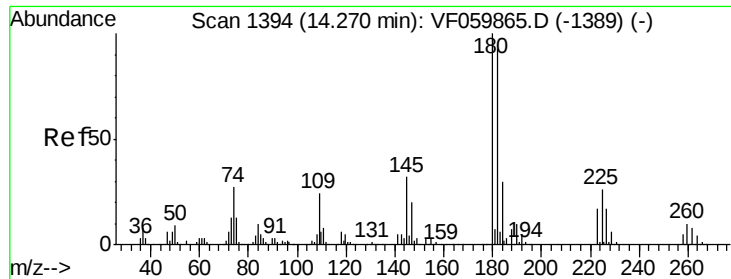


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

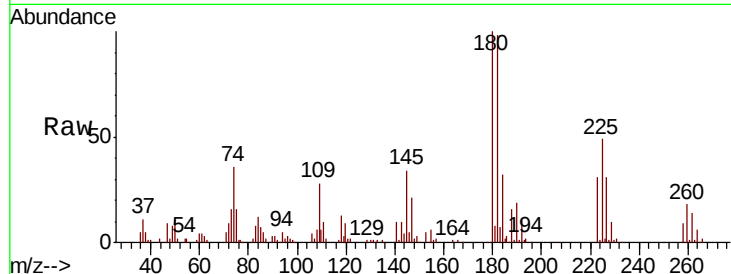




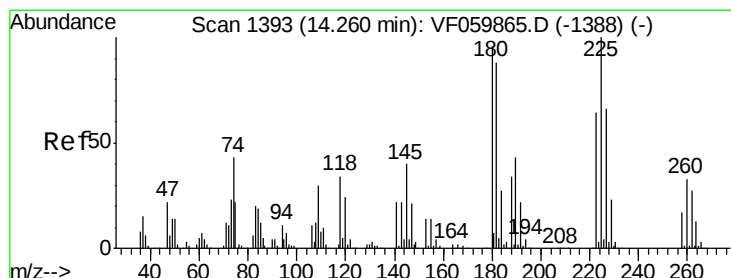
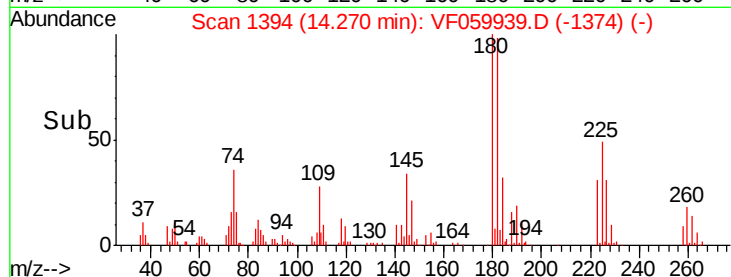
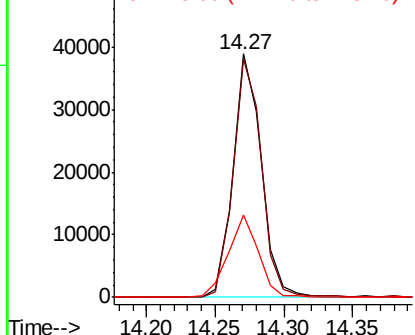
#93
 1,2,4-Trichlorobenzene
 Concen: 22.504 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Tgt Ion:180 Resp: 55515
 Ion Ratio Lower Upper
 180 100
 182 98.1 46.4 139.2
 145 34.1 15.9 47.7

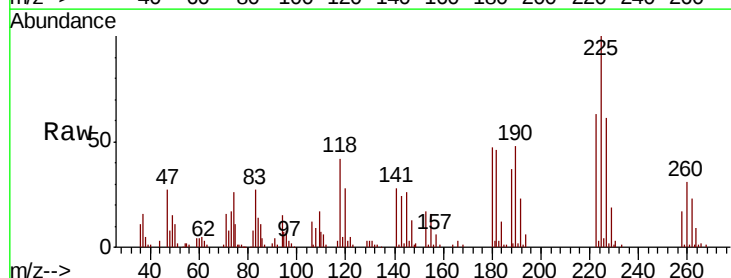


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

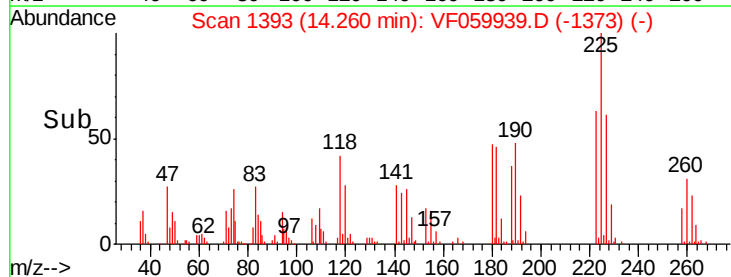
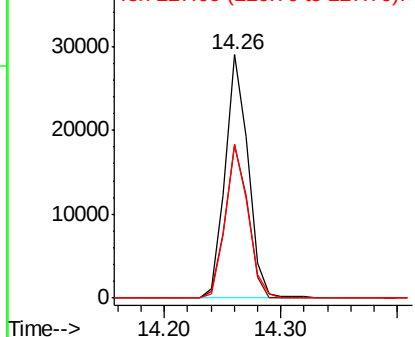


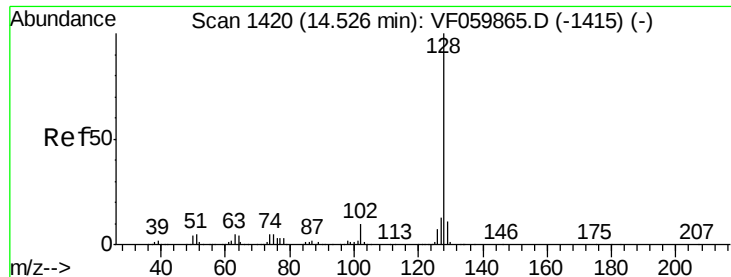
#94
 Hexachlorobutadiene
 Concen: 22.796 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059939.D
 Acq: 10 Aug 2018 12:42

Tgt Ion:225 Resp: 39726
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.9 95.9
 227 63.3 32.8 98.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

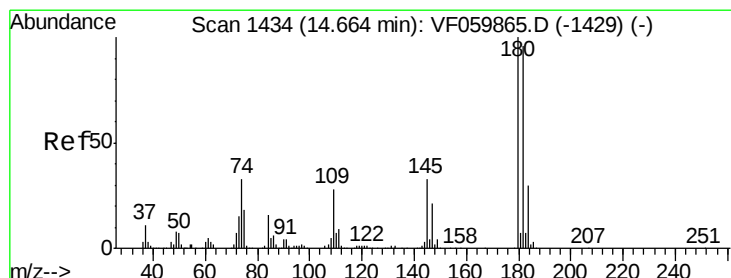
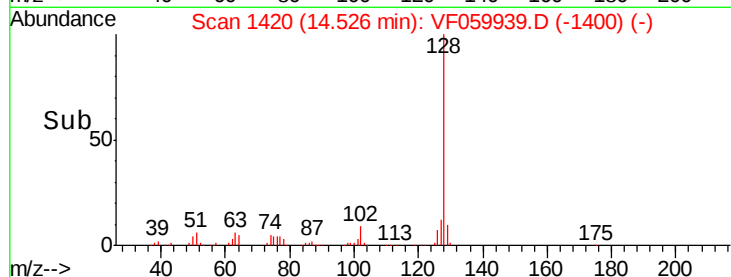
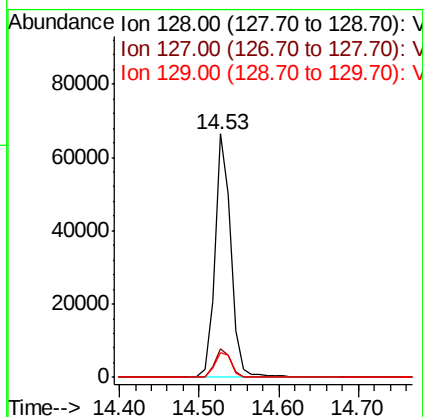
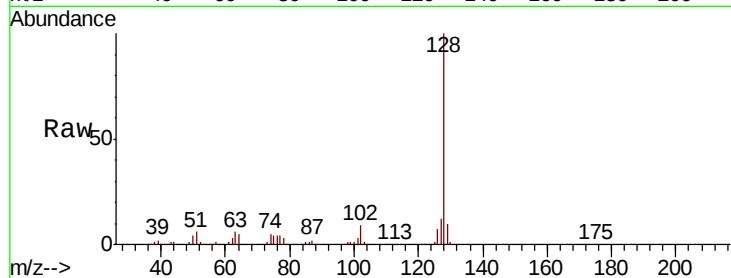




#95
Naphthalene
Concen: 21.955 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tgt Ion:128 Resp: 93769
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 10.0 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 21.864 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059939.D
Acq: 10 Aug 2018 12:42

Tgt Ion:180 Resp: 53264
Ion Ratio Lower Upper
180 100
182 99.9 48.1 144.3
145 32.6 16.6 49.8

