

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059641.D
 Acq On : 24 Jul 2018 19:49
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Quant Time: Jul 25 02:35:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	256057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	365990	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	322152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	203329	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	174299	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	4.28	113	158710	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	7.70	98	406963	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.50	95	199892	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	136475	45.527	ug/l	94
3) Chloromethane	1.08	50	75864	51.452	ug/l	99
4) Vinyl Chloride	1.15	62	85042	51.379	ug/l	92
5) Bromomethane	1.33	94	59360	49.332	ug/l	99
6) Chloroethane	1.42	64	49107	49.334	ug/l	94
7) Trichlorofluoromethane	1.53	101	114931	25.586	ug/l	99
8) Diethyl Ether	1.69	74	29341	46.913	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	116174	54.756	ug/l	93
10) Methyl Iodide	1.92	142	176789	47.785	ug/l	95
11) Tert butyl alcohol	2.67	59	34606	260.459	ug/l	95
12) 1,1-Dichloroethene	1.84	96	88899	53.673	ug/l	83
13) Acrolein	2.08	56	18194	279.295	ug/l	93
14) Allyl chloride	2.18	41	145042	47.763	ug/l	94
15) Acrylonitrile	3.06	53	54376	237.762	ug/l	# 83
16) Acetone	2.33	43	110871	208.835	ug/l	95
17) Carbon Disulfide	1.83	76	218646	52.812	ug/l	98
18) Methyl Acetate	2.44	43	45829	53.752	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	217201	47.028	ug/l	98
20) Methylene Chloride	2.26	84	78151	52.705	ug/l	98
21) trans-1,2-Dichloroethene	2.40	96	91008	49.465	ug/l	98
22) Diisopropyl ether	2.92	45	290665	49.903	ug/l	97
23) Vinyl Acetate	3.32	43	672146	250.149	ug/l	# 96
24) 1,1-Dichloroethane	2.98	63	197662	47.704	ug/l	99
25) 2-Butanone	4.49	43	155311	240.540	ug/l	94
26) 2,2-Dichloropropane	3.74	77	154089	51.264	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	108679	48.265	ug/l	97
28) Bromochloromethane	3.87	49	66907	50.880	ug/l	99
29) Tetrahydrofuran	4.24	42	61956	267.147	ug/l	97
30) Chloroform	4.02	83	273572	47.590	ug/l	96
31) Cyclohexane	3.85	56	122831	50.927	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	220741	45.058	ug/l	93
36) 1,1-Dichloropropene	4.44	75	178219	47.528	ug/l	97
37) Ethyl Acetate	4.27	43	65071	50.684	ug/l	# 74
38) Carbon Tetrachloride	4.15	117	237435	45.885	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	147312	48.438	ug/l	90
40) Benzene	4.80	78	333214	48.039	ug/l	99
41) Methacrylonitrile	4.91	41	31395	44.761	ug/l	97
42) 1,2-Dichloroethane	5.10	62	187297	45.569	ug/l	96
43) Isopropyl Acetate	7.09	43	77183	46.802	ug/l #	93
44) Trichloroethene	5.66	130	126497	49.409	ug/l	98
45) 1,2-Dichloropropane	6.39	63	82639	47.056	ug/l	97
46) Dibromomethane	6.24	93	66663	44.939	ug/l	96
47) Bromodichloromethane	6.53	83	198807	45.837	ug/l	94
48) Methyl methacrylate	6.86	41	54997	45.302	ug/l	95
49) 1,4-Dioxane	6.85	88	8412	900.444	ug/l #	71
51) 4-Methyl-2-Pentanone	8.40	43	289177	238.580	ug/l	100
52) Toluene	7.77	92	231133	51.722	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	155250	44.920	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	173181	47.404	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	74977	48.479	ug/l	94
56) Ethyl methacrylate	8.75	69	75266	45.527	ug/l	97
57) 1,3-Dichloropropane	8.99	76	121570	45.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	46340	218.374	ug/l	100
59) 2-Hexanone	9.62	43	227341	245.611	ug/l	94
60) Dibromochloromethane	8.85	129	132487	46.332	ug/l	93
61) 1,2-Dibromoethane	9.13	107	84286	44.631	ug/l	95
64) Tetrachloroethene	8.30	164	131578	51.544	ug/l	94
65) Chlorobenzene	9.92	112	287427	48.158	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	132980	48.064	ug/l	94
67) Ethyl Benzene	10.03	91	545886	50.897	ug/l	100
68) m/p-Xylenes	10.26	106	374370	97.693	ug/l	99
69) o-Xylene	10.82	106	207123	50.774	ug/l	94
70) Styrene	10.89	104	292624	49.672	ug/l	99
71) Bromoform	10.88	173	78098	50.141	ug/l #	91
73) Isopropylbenzene	11.22	105	672890	52.656	ug/l	98
74) N-amyl acetate	11.45	43	152340	55.597	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	95416	49.305	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	79801	49.924	ug/l	87
77) Bromobenzene	11.59	156	156179	49.958	ug/l	93
78) n-propylbenzene	11.68	91	747866	49.165	ug/l	98
79) 2-Chlorotoluene	11.81	91	445616	48.675	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	557755	49.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	50855	51.687	ug/l #	79
82) 4-Chlorotoluene	11.98	91	474568	48.578	ug/l	97
83) tert-Butylbenzene	12.21	119	568239	49.645	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	576787	49.499	ug/l	99
85) sec-Butylbenzene	12.38	105	735848	48.220	ug/l	98
86) p-Isopropyltoluene	12.54	119	647274	48.723	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	295750	54.537	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	290328	47.901	ug/l	97
89) n-Butylbenzene	12.91	91	622723	54.554	ug/l	98
90) Hexachloroethane	12.99	117	160160	49.421	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	283304	48.496	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25042	50.182	ug/l	98

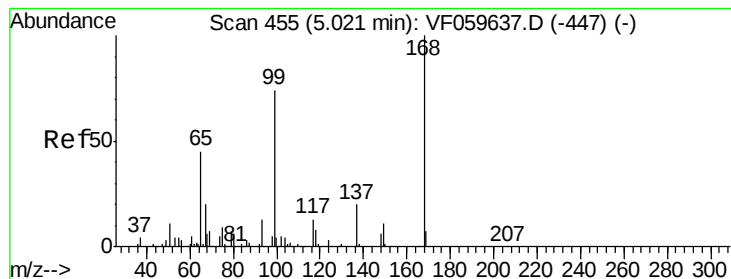
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	226284	54.920	ug/l	100
94) Hexachlorobutadiene	14.25	225	167938	49.762	ug/l	93
95) Naphthalene	14.52	128	377681	52.176	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	213573	51.747	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

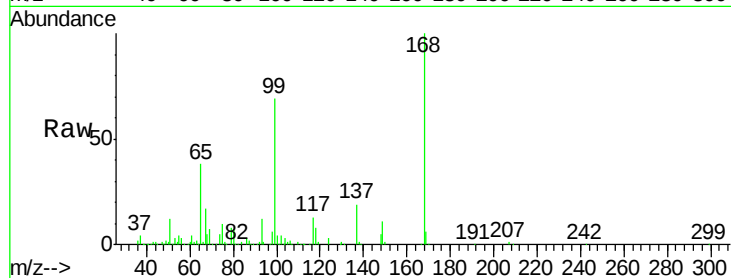
VICVF072418

Tgt Ion:168 Resp: 256057

Ion Ratio Lower Upper

168 100

99 69.2 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

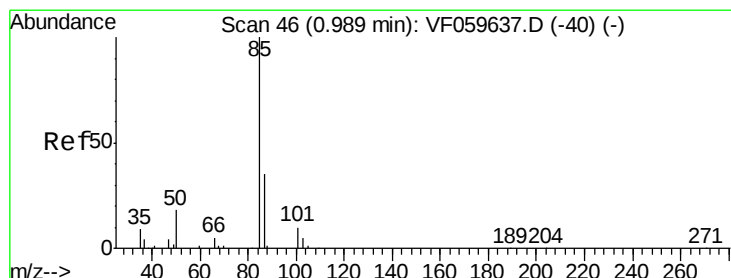
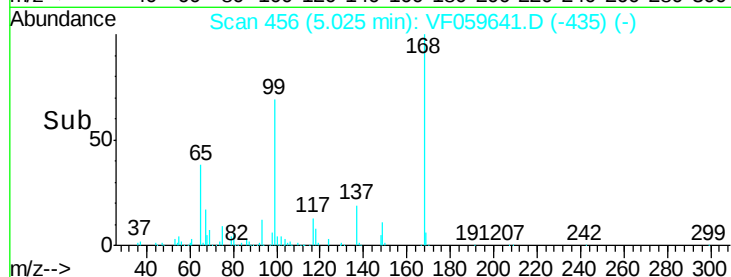
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 45.527 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059641.D

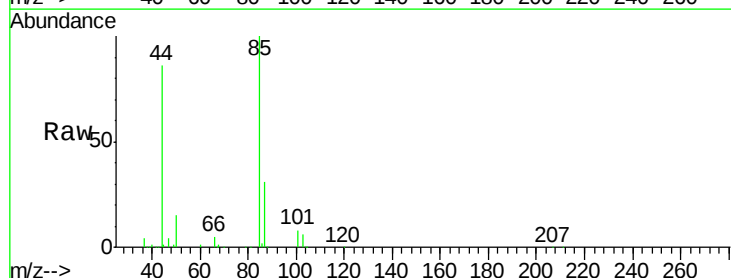
Acq: 24 Jul 2018 19:49

Tgt Ion: 85 Resp: 136475

Ion Ratio Lower Upper

85 100

87 31.1 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

50000

40000

30000

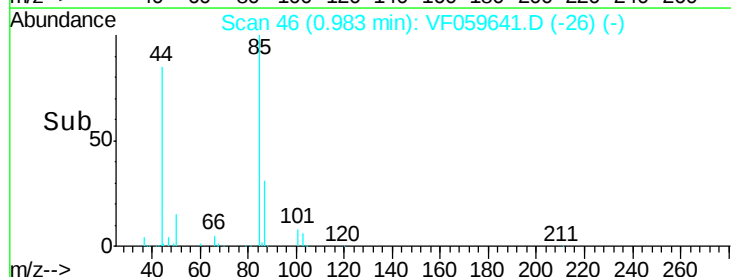
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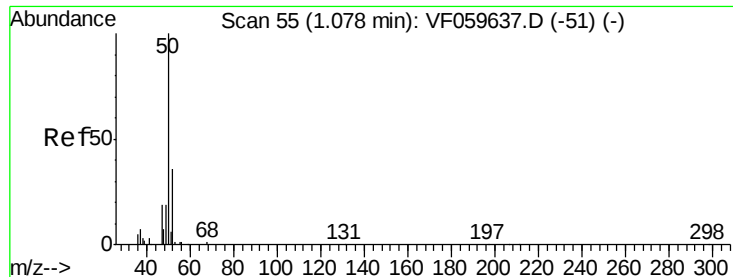
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Time-->

0.90 1.00 1.10 1.20

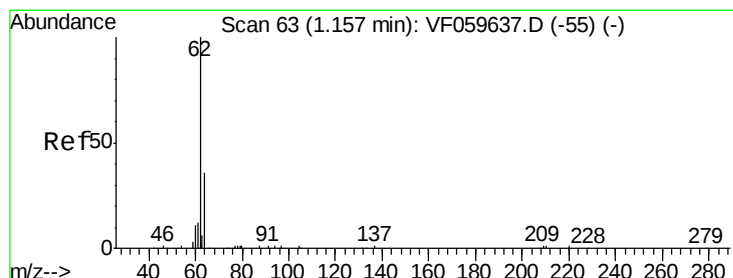
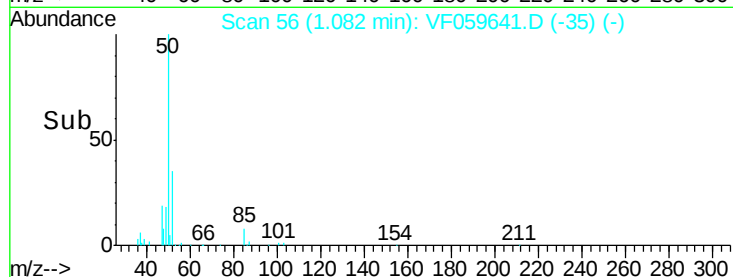
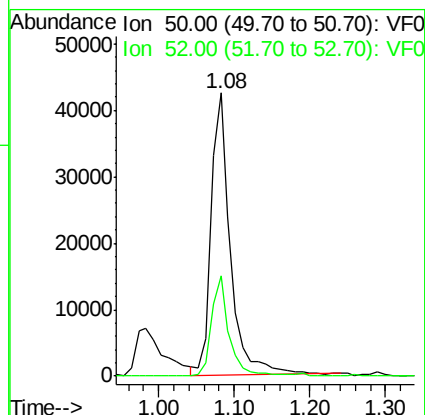
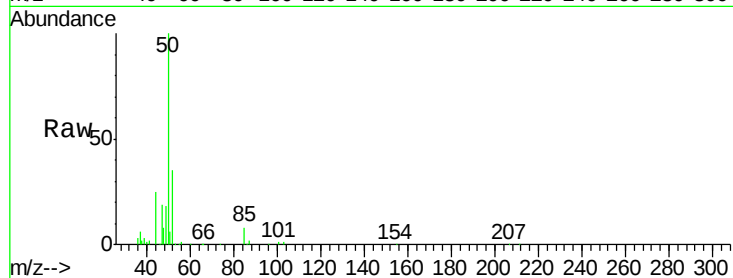




#3
Chloromethane
Concen: 51.452 ug/l
RT: 1.08 min Scan# 56
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

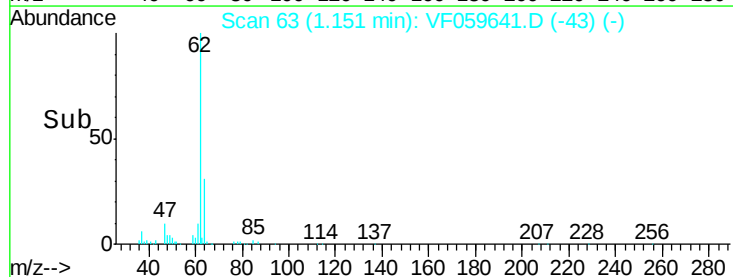
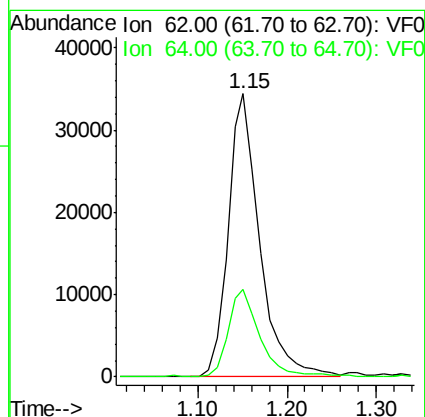
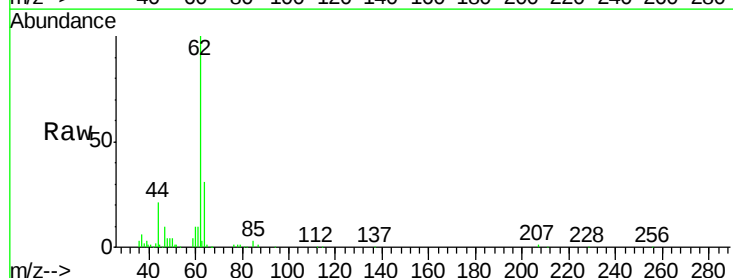
Instrument :
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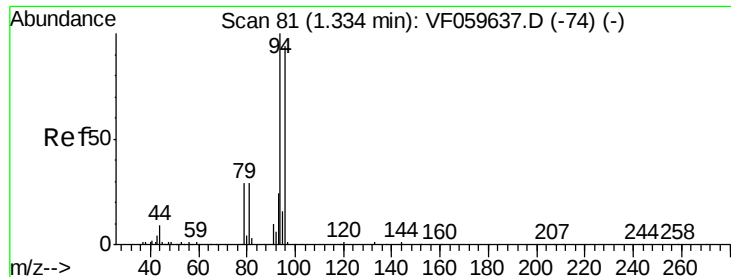
Tgt Ion: 50 Resp: 75864
Ion Ratio Lower Upper
50 100
52 35.7 28.0 42.0



#4
Vinyl Chloride
Concen: 51.379 ug/l
RT: 1.15 min Scan# 63
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 62 Resp: 85042
Ion Ratio Lower Upper
62 100
64 31.0 28.6 43.0





#5

Bromomethane

Concen: 49.332 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

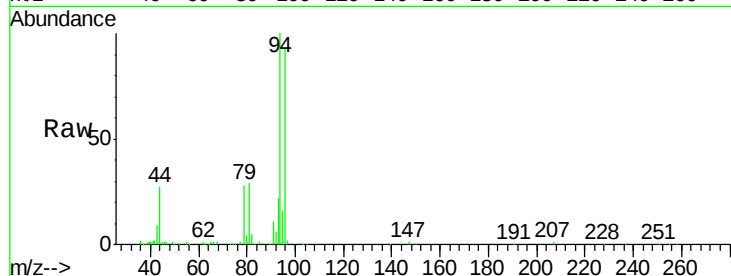
VICVF072418

Tgt Ion: 94 Resp: 59360

Ion Ratio Lower Upper

94 100

96 92.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

40000

30000

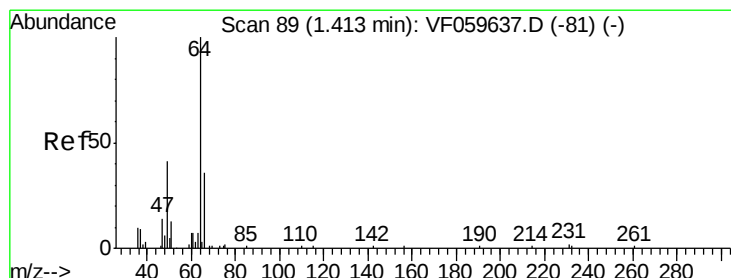
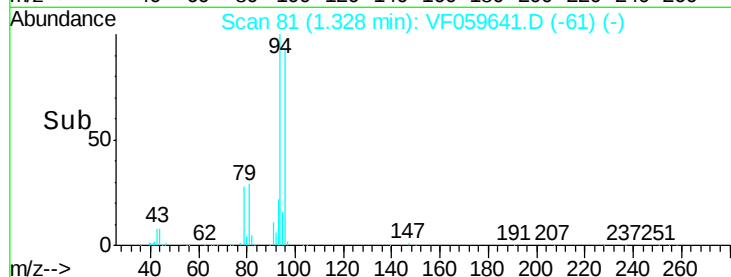
20000

10000

0

Time-->

1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 49.334 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059641.D

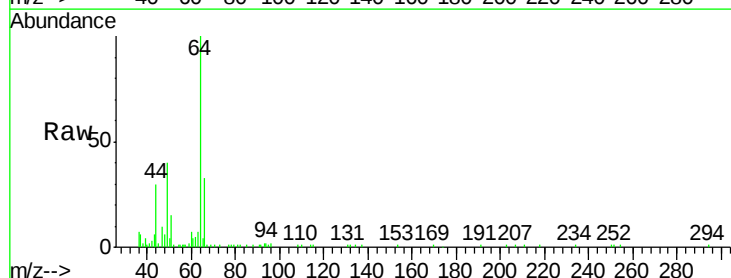
Acq: 24 Jul 2018 19:49

Tgt Ion: 64 Resp: 49107

Ion Ratio Lower Upper

64 100

66 32.8 29.0 43.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.42

20000

15000

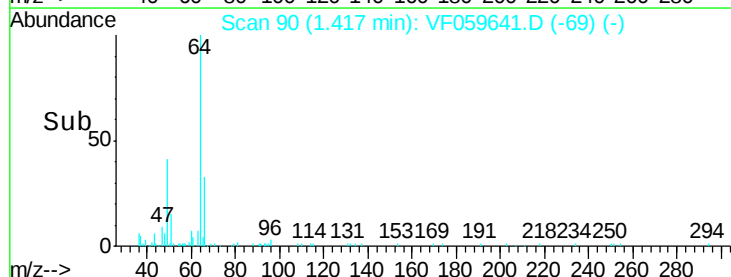
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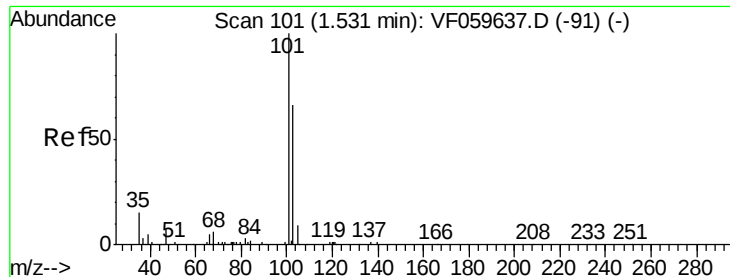
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Time-->

1.30 1.40 1.50



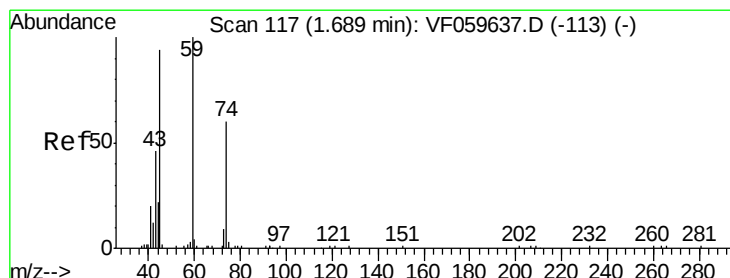
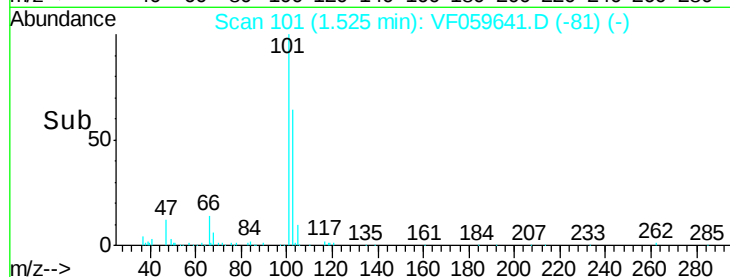
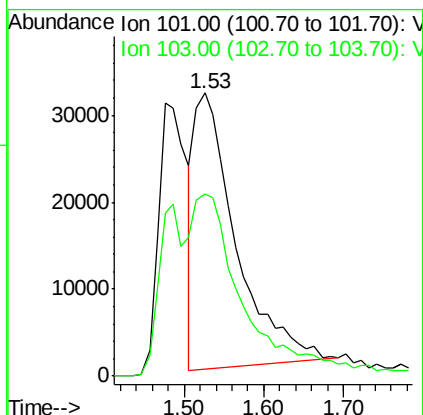
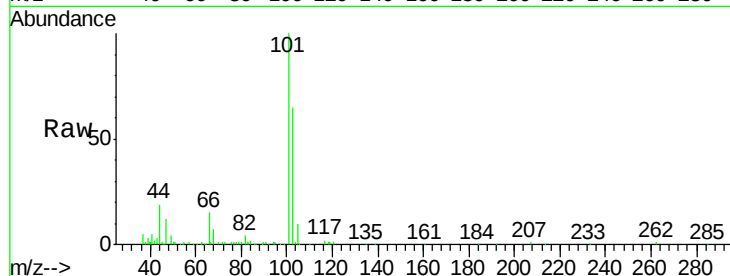


#7

Trichlorofluoromethane
Concen: 25.586 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

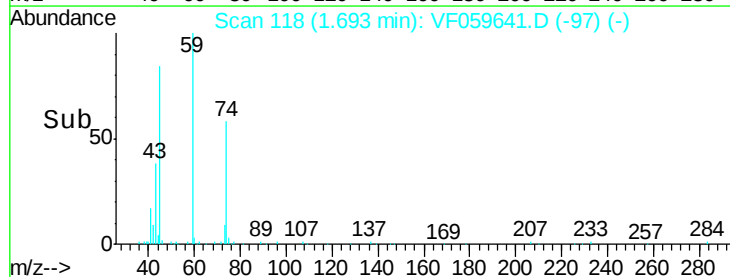
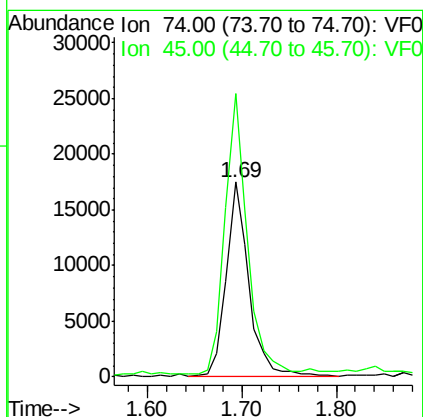
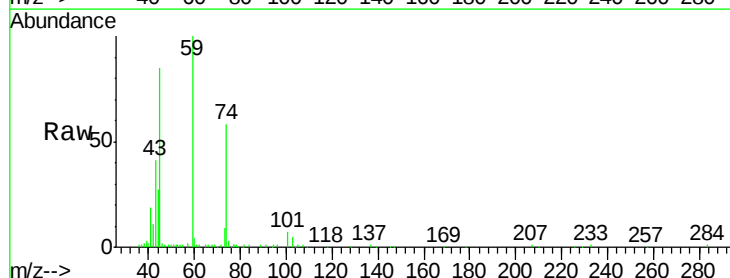
Tgt Ion:101 Resp: 114931
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7

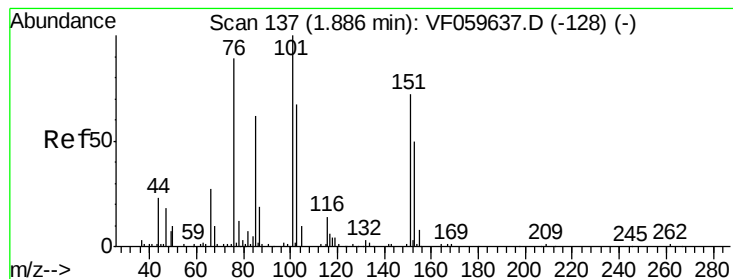


#8

Diethyl Ether
Concen: 46.913 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 74 Resp: 29341
Ion Ratio Lower Upper
74 100
45 145.5 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.756 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

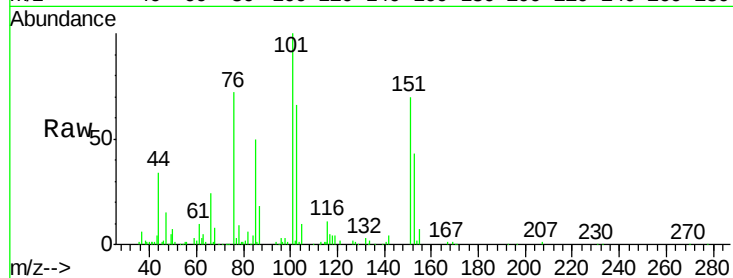
Tgt Ion:101 Resp: 116174

Ion Ratio Lower Upper

101 100

85 49.9 49.0 73.4

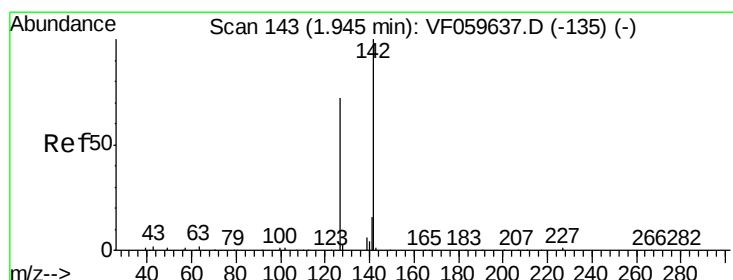
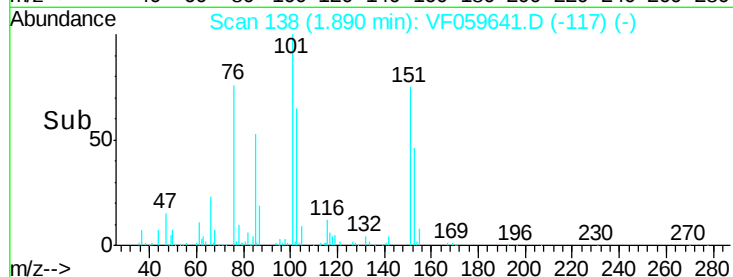
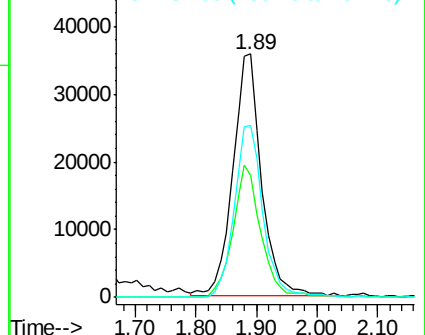
151 70.5 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.785 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.03 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

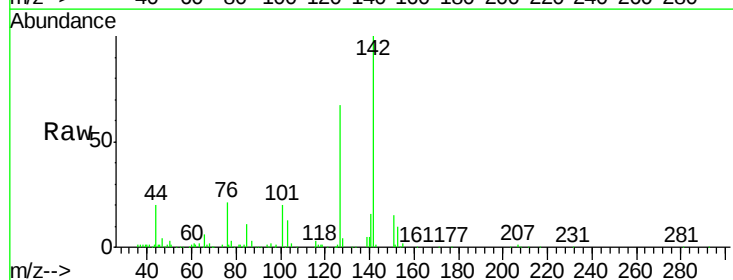
Tgt Ion:142 Resp: 176789

Ion Ratio Lower Upper

142 100

127 66.8 57.5 86.3

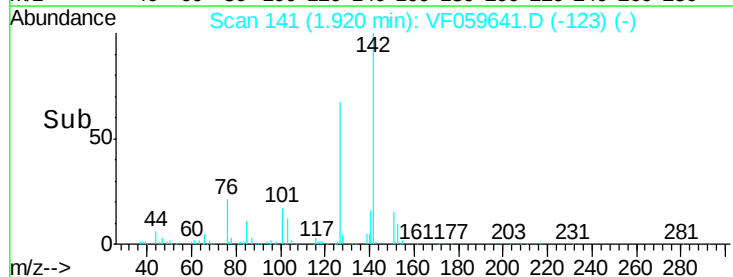
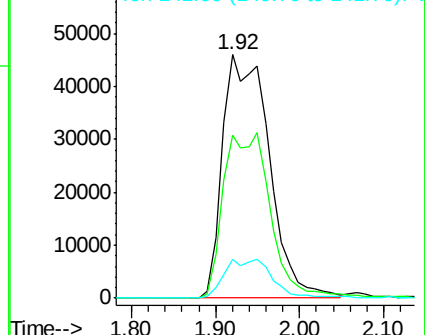
141 16.1 13.2 19.8

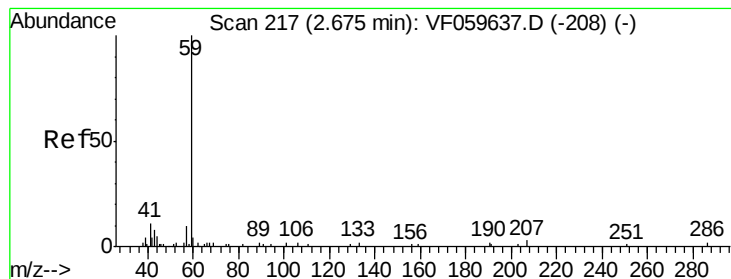


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



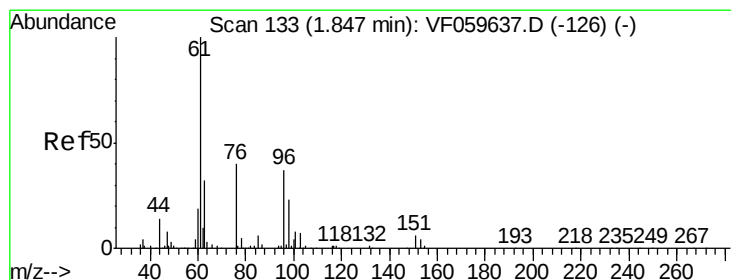
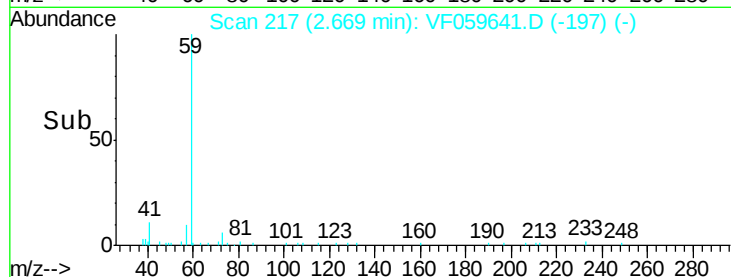
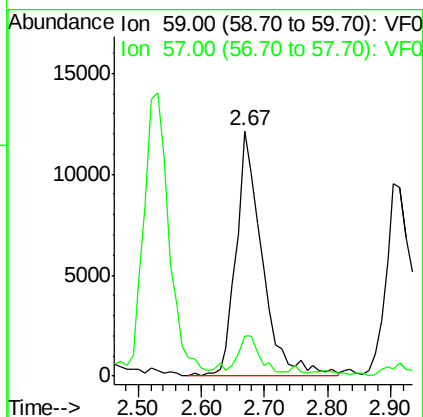
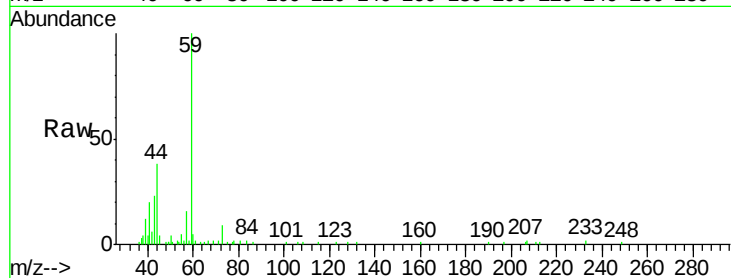


#11

Tert butyl alcohol
Concen: 260.459 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

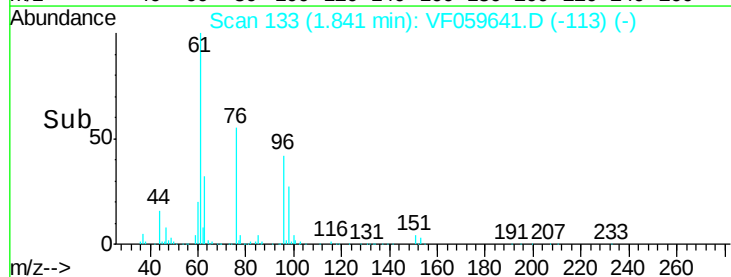
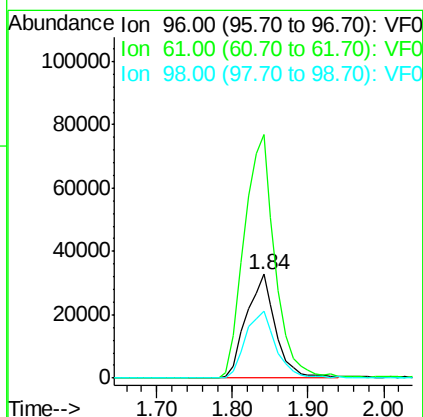
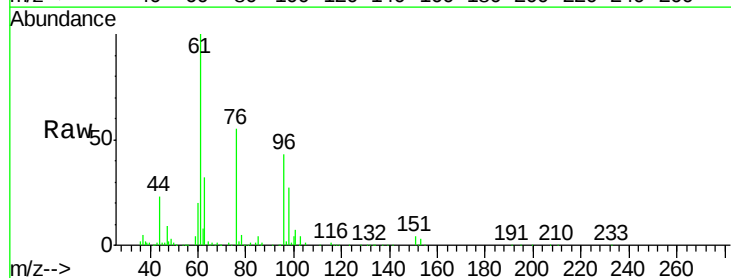
Tgt Ion: 59 Resp: 34606
Ion Ratio Lower Upper
59 100
57 16.3 11.4 17.2

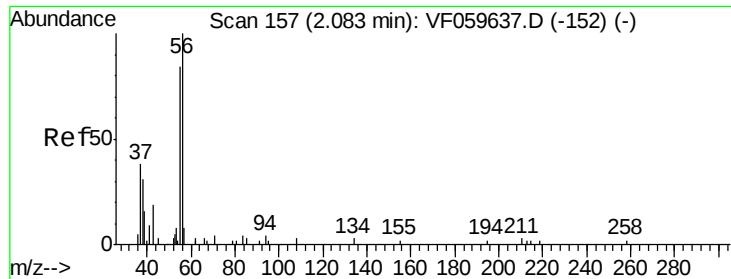


#12

1,1-Dichloroethene
Concen: 53.673 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 96 Resp: 88899
Ion Ratio Lower Upper
96 100
61 234.7 218.2 327.4
98 64.4 50.6 76.0





#13

Acrolein

Concen: 279.295 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

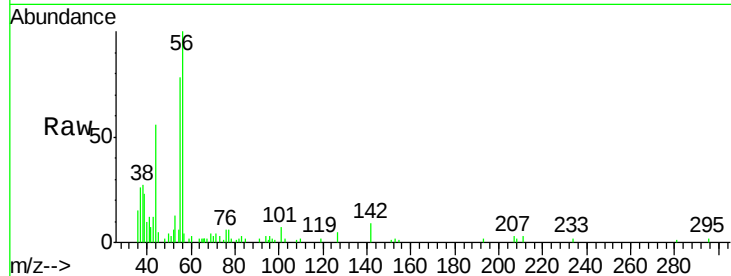
VICVVF072418

Tgt Ion: 56 Resp: 18194

Ion Ratio Lower Upper

56 100

55 77.9 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

8000

6000

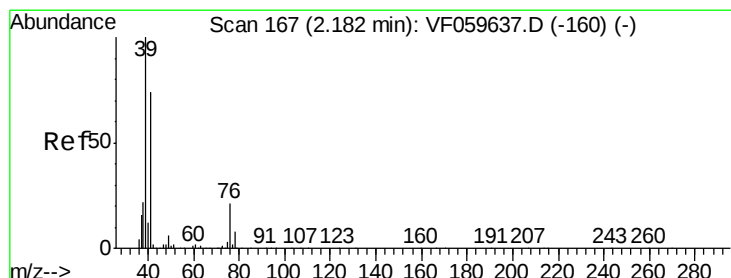
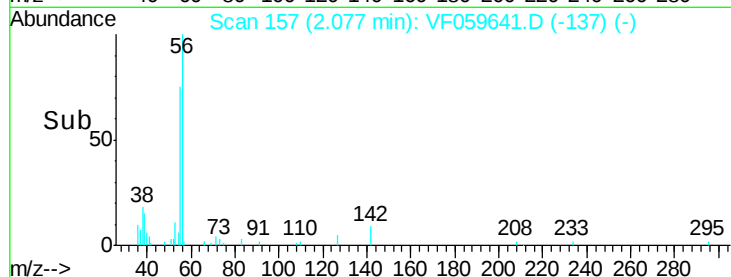
4000

2000

0

1.90 2.00 2.10 2.20 2.30

Time-->



#14

Allyl chloride

Concen: 47.763 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

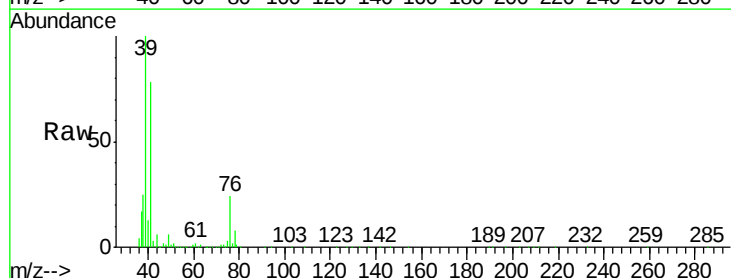
Tgt Ion: 41 Resp: 145042

Ion Ratio Lower Upper

41 100

39 127.7 108.6 162.8

76 30.5 23.0 34.6



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

120000

100000

80000

60000

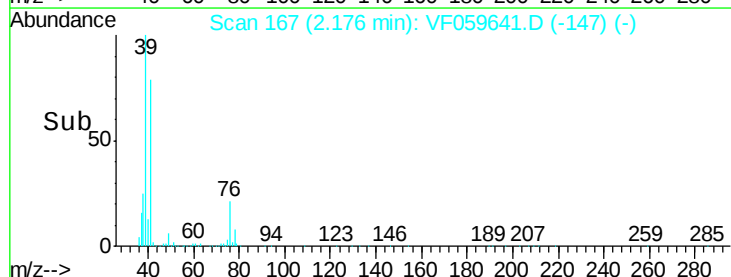
40000

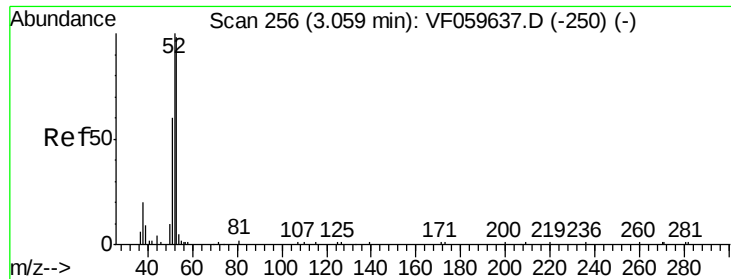
20000

0

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 237.762 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

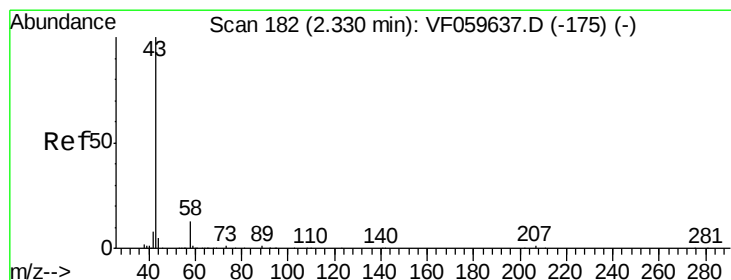
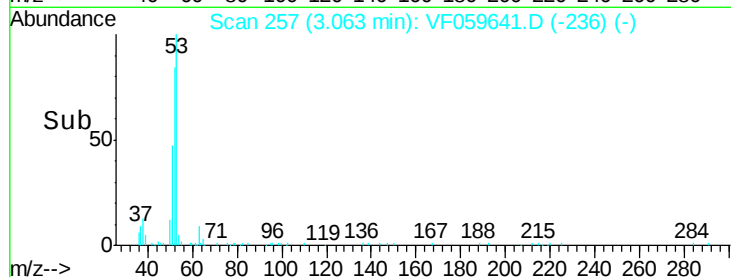
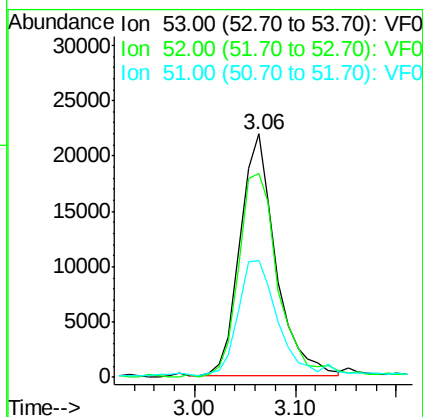
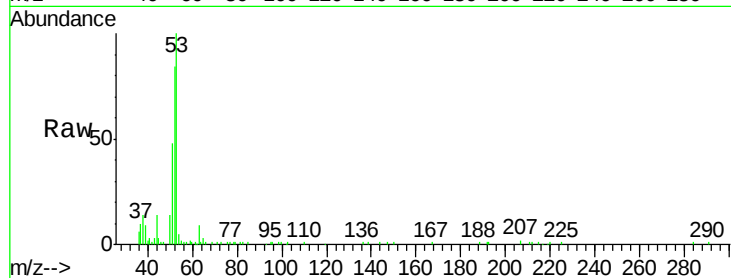
Tgt Ion: 53 Resp: 54376

Ion Ratio Lower Upper

53 100

52 83.9 80.9 121.3

51 48.0 49.4 74.2#



#16

Acetone

Concen: 208.835 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059641.D

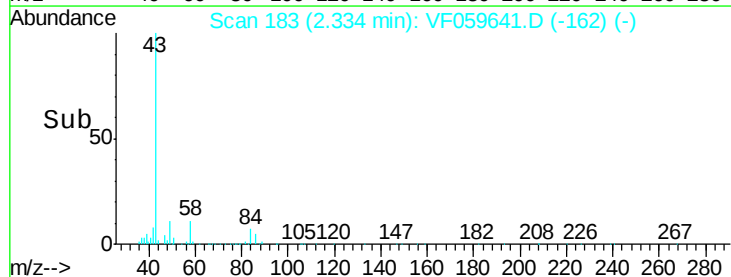
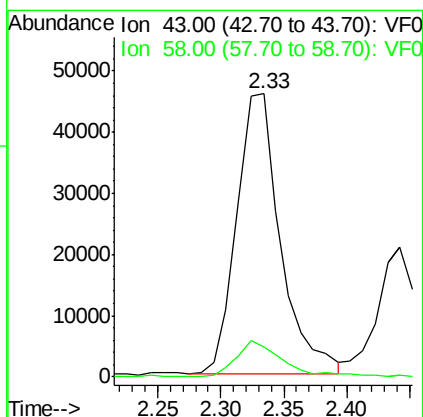
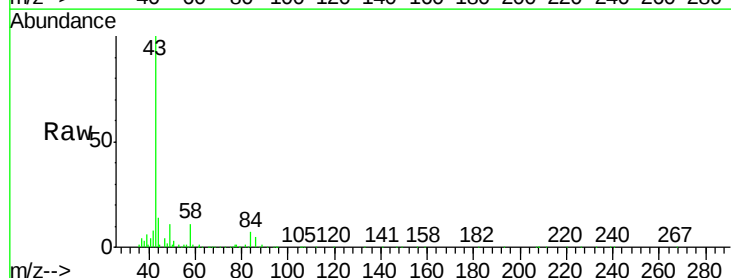
Acq: 24 Jul 2018 19:49

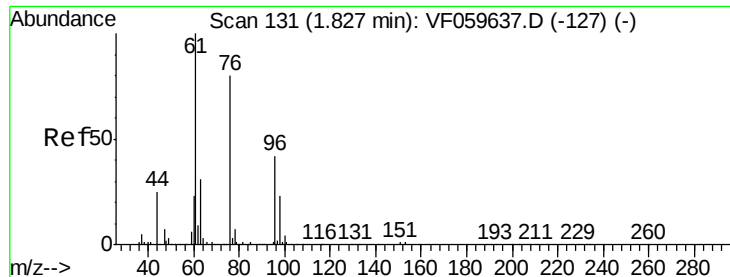
Tgt Ion: 43 Resp: 110871

Ion Ratio Lower Upper

43 100

58 10.8 10.2 15.2

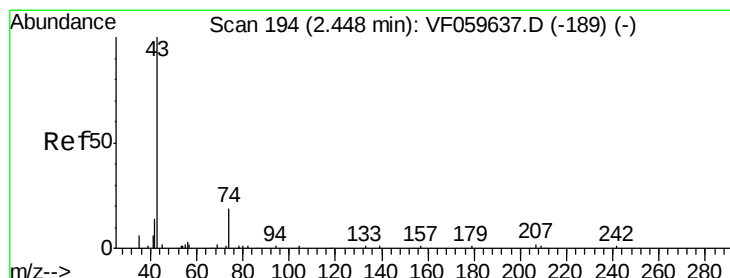
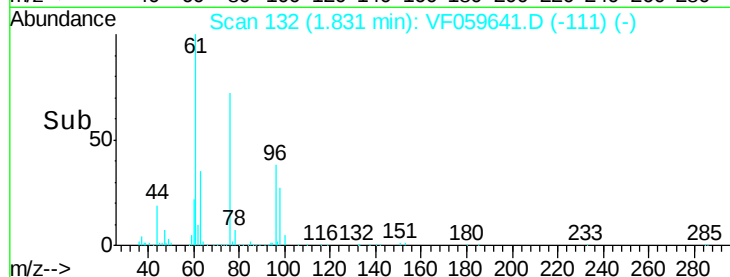
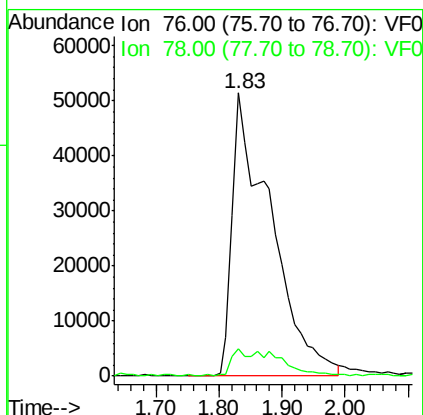
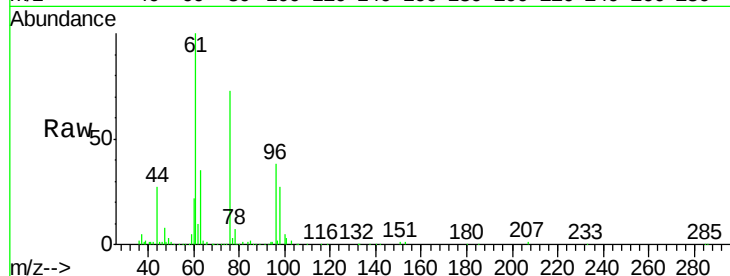




#17
Carbon Disulfide
Concen: 52.812 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

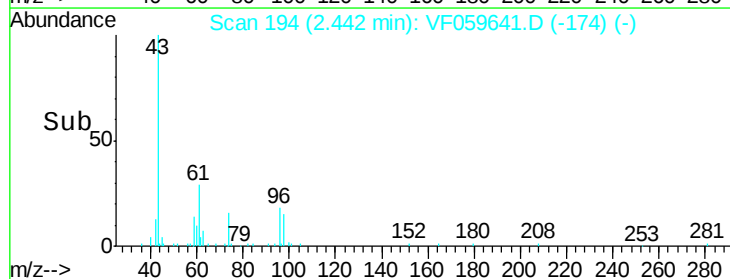
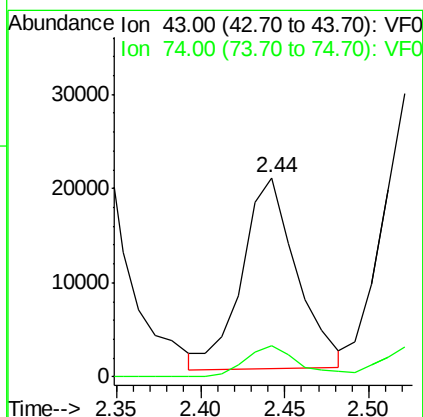
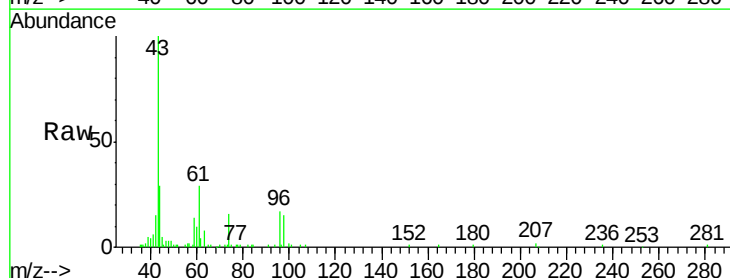
Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

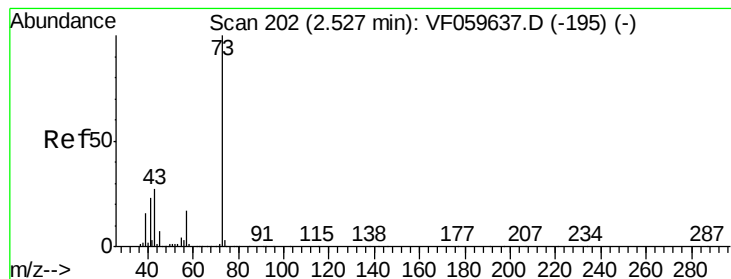
Tgt Ion: 76 Resp: 218646
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6



#18
Methyl Acetate
Concen: 53.752 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 43 Resp: 45829
Ion Ratio Lower Upper
43 100
74 16.0 13.0 19.6



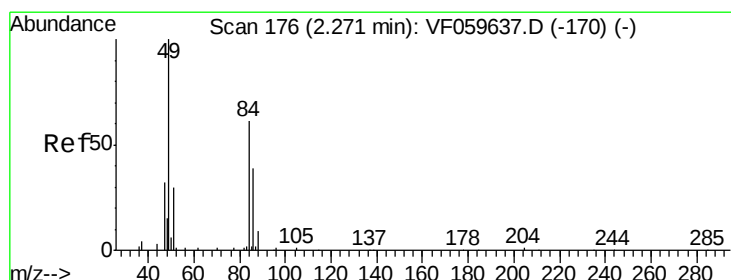
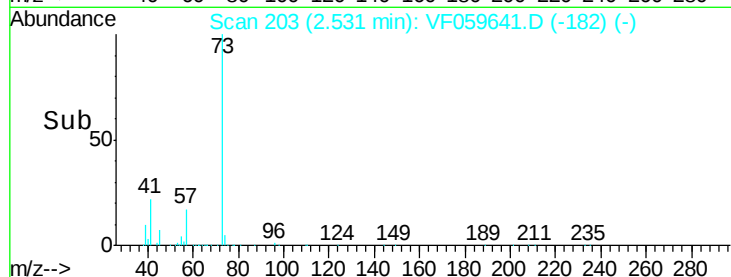
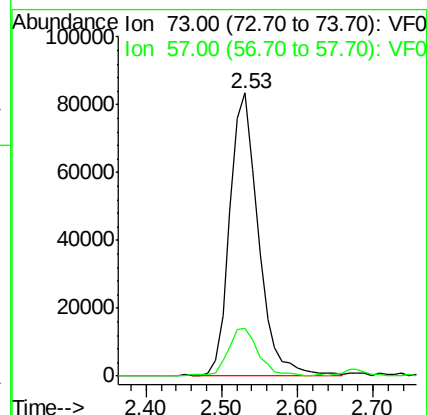
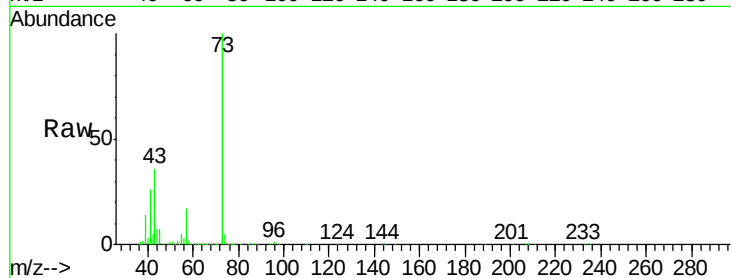


#19

Methyl tert-butyl Ether
 Concen: 47.028 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

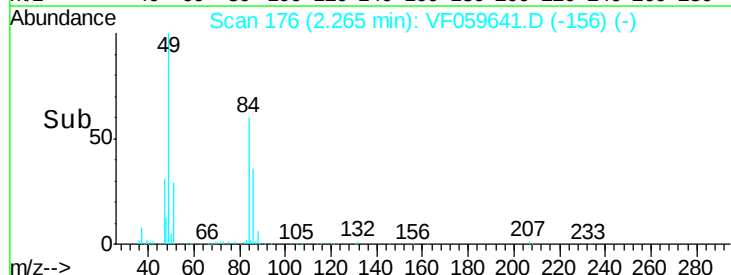
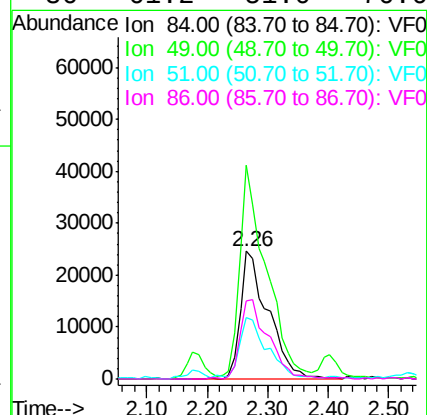
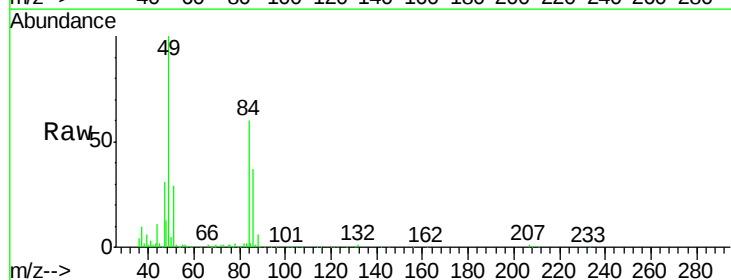
Tgt Ion: 73 Resp: 217201
 Ion Ratio Lower Upper
 73 100
 57 16.8 14.2 21.4

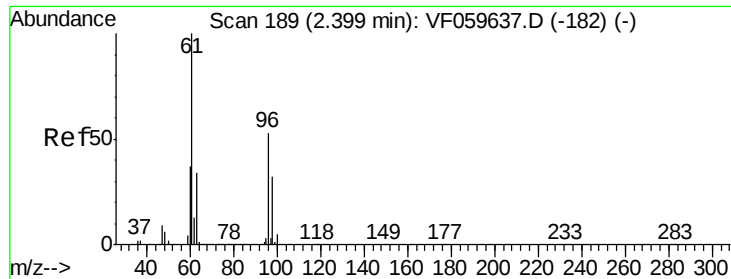


#20

Methylene Chloride
 Concen: 52.705 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion: 84 Resp: 78151
 Ion Ratio Lower Upper
 84 100
 49 166.9 133.8 200.8
 51 48.4 41.1 61.7
 86 61.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.465 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

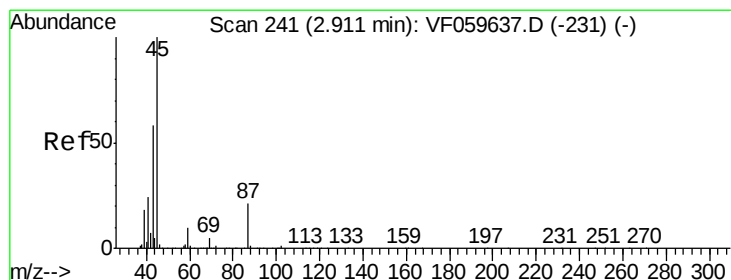
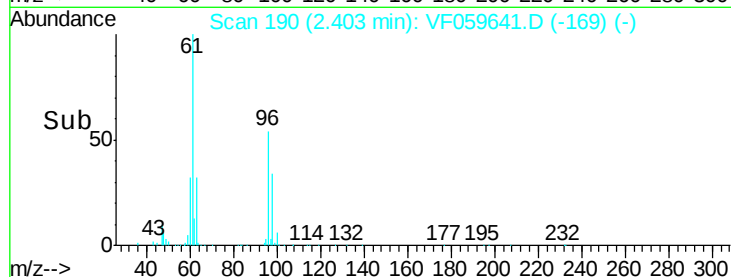
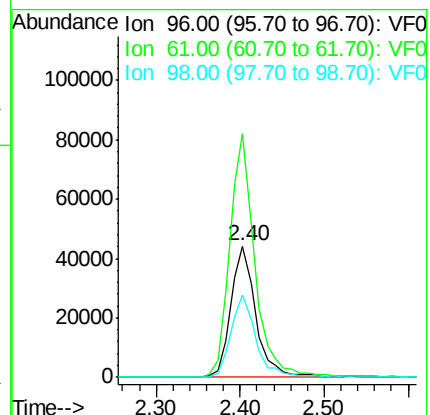
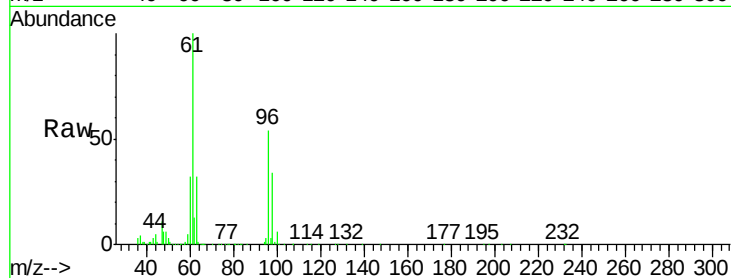
Tgt Ion: 96 Resp: 91008

Ion Ratio Lower Upper

96 100

61 185.7 151.4 227.2

98 62.8 49.0 73.6



#22

Diisopropyl ether

Concen: 49.903 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion: 45 Resp: 290665

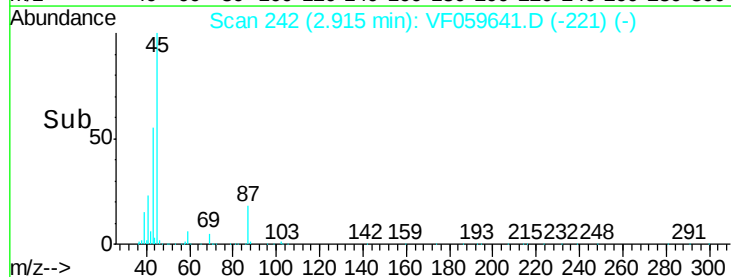
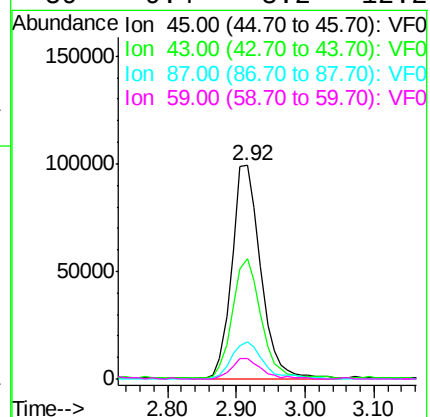
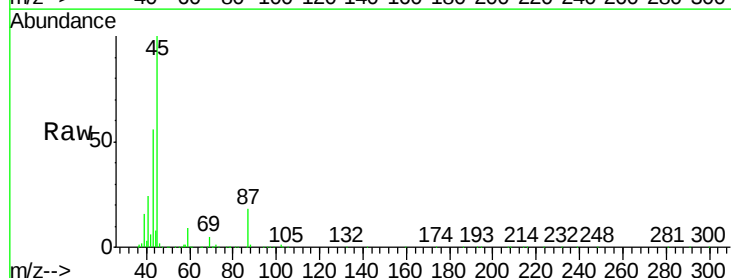
Ion Ratio Lower Upper

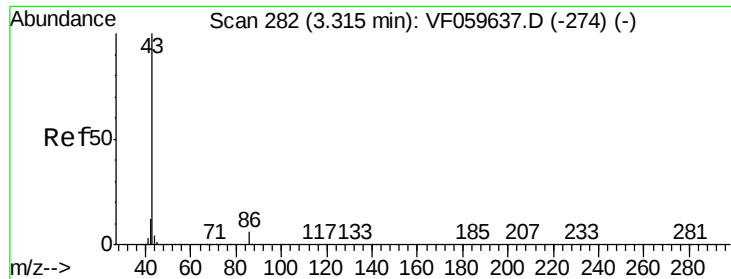
45 100

43 56.2 46.5 69.7

87 17.5 16.5 24.7

59 9.4 8.2 12.2





#23

Vinyl Acetate

Concen: 250.149 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

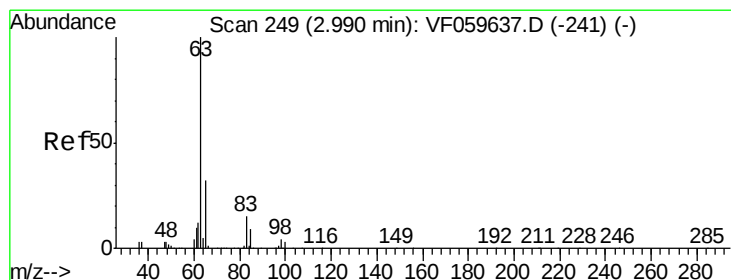
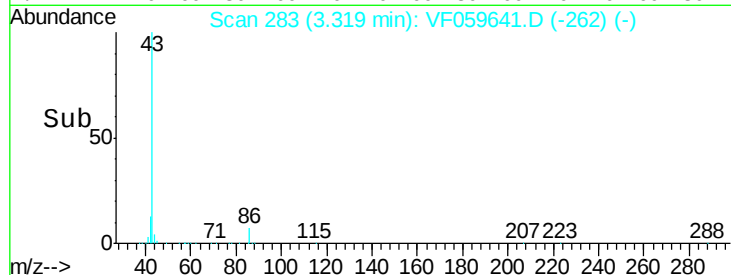
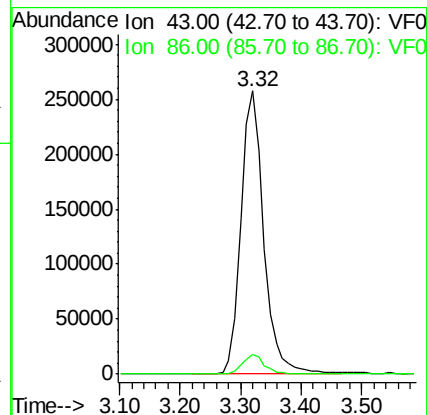
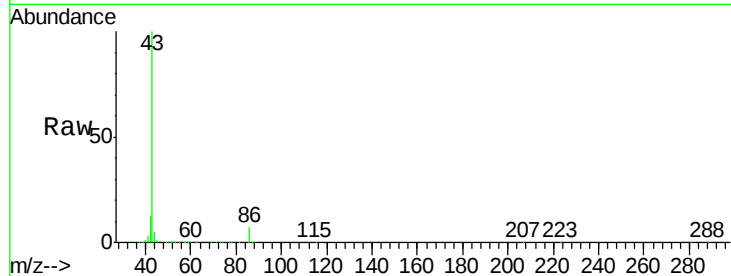
VICVF072418

Tgt Ion: 43 Resp: 672146

Ion Ratio Lower Upper

43 100

86 6.9 4.5 6.7#



#24

1,1-Dichloroethane

Concen: 47.704 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

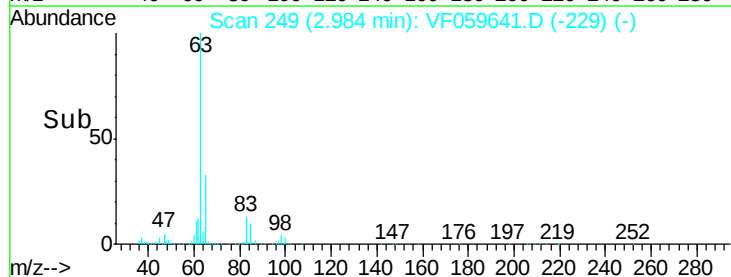
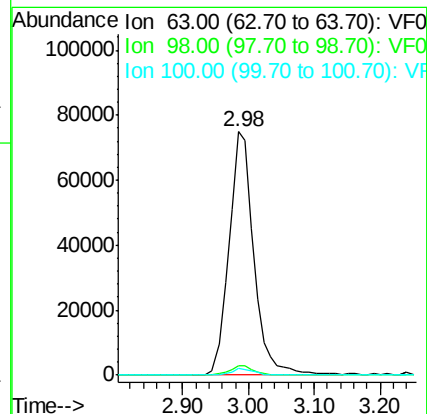
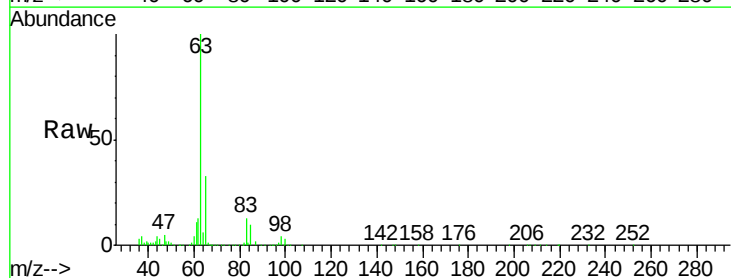
Tgt Ion: 63 Resp: 197662

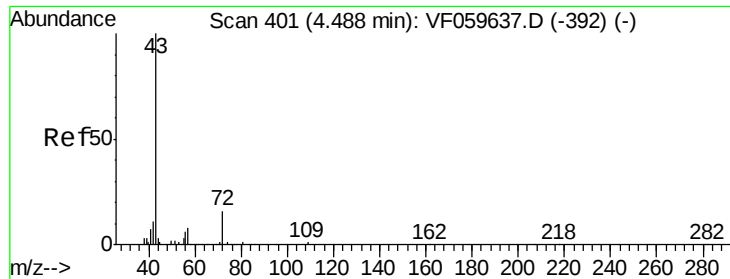
Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.5

100 2.6 1.3 3.9





#25

2-Butanone

Concen: 240.540 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

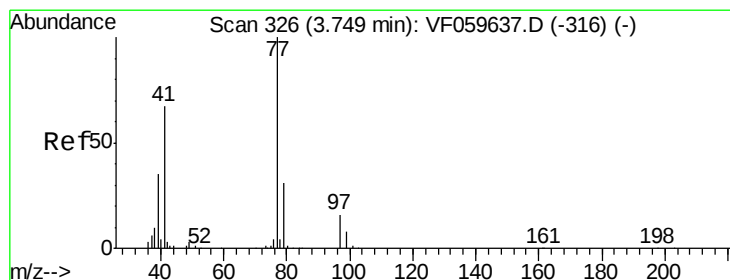
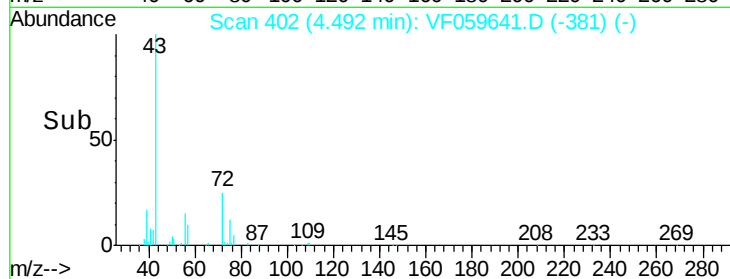
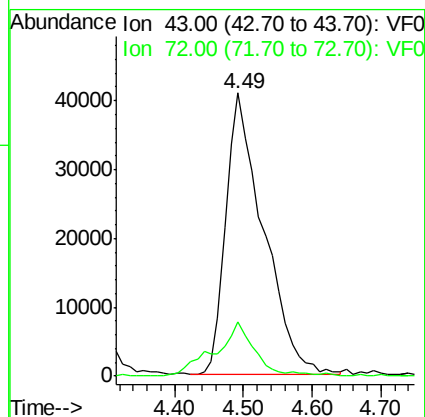
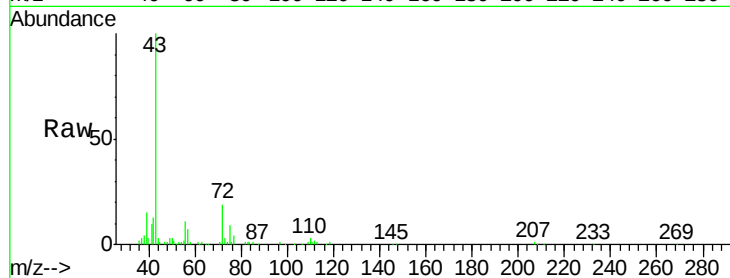
VICVVF072418

Tgt Ion: 43 Resp: 155311

Ion Ratio Lower Upper

43 100

72 19.4 13.5 20.3



#26

2,2-Dichloropropane

Concen: 51.264 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059641.D

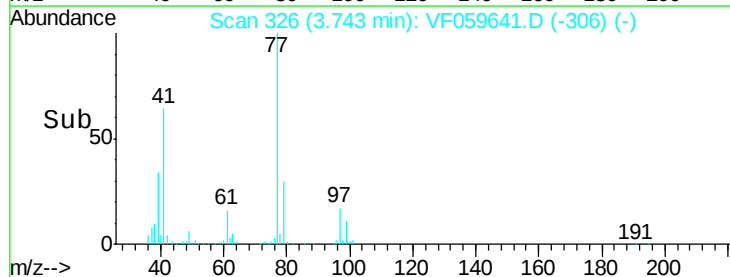
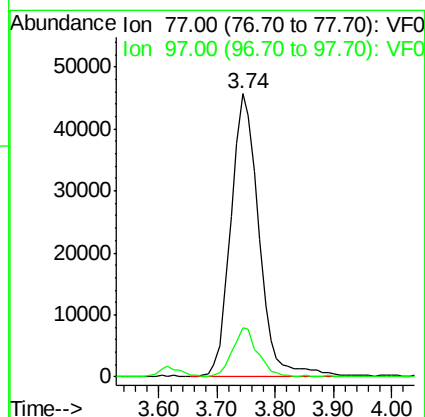
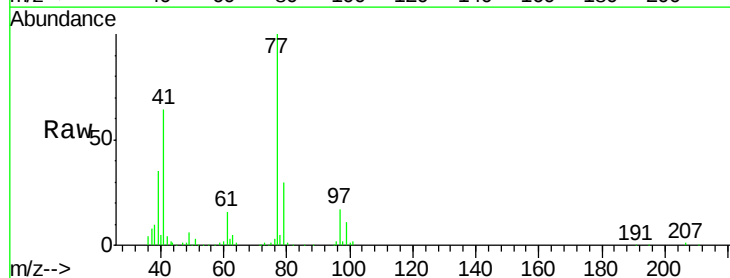
Acq: 24 Jul 2018 19:49

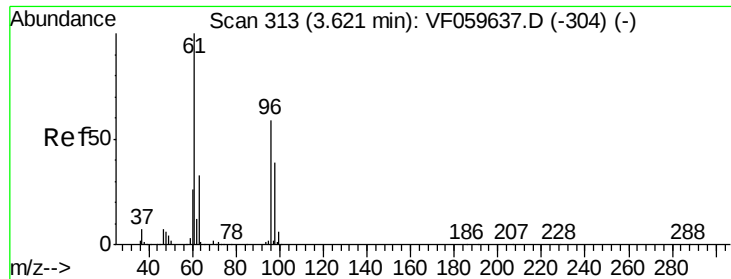
Tgt Ion: 77 Resp: 154089

Ion Ratio Lower Upper

77 100

97 17.2 7.8 23.3



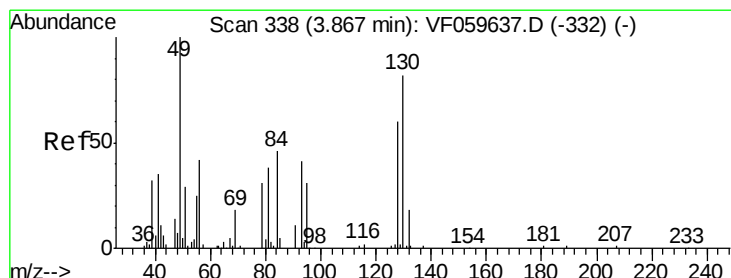
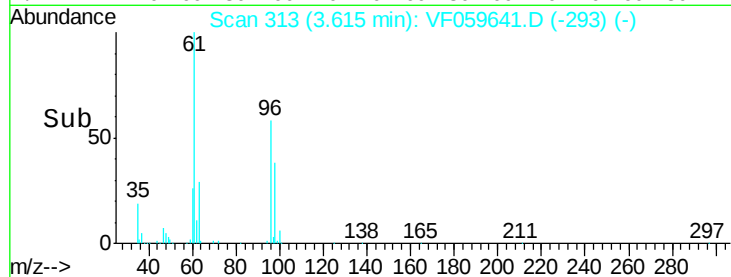
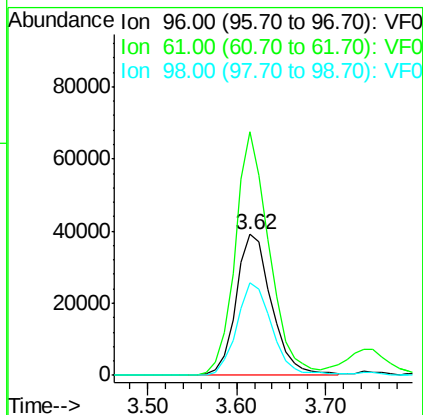
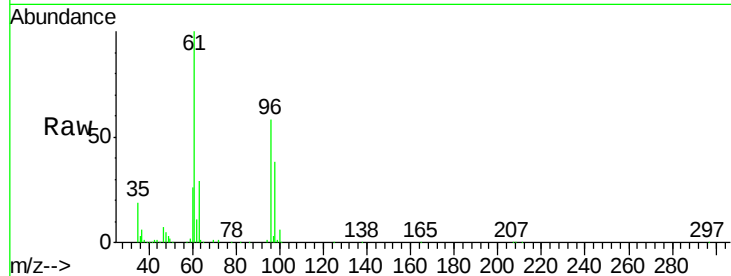


#27

cis-1,2-Dichloroethene
Concen: 48.265 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

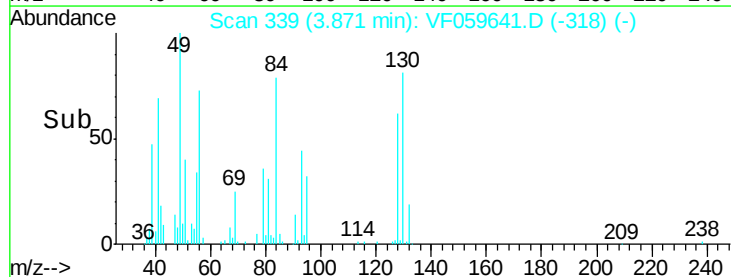
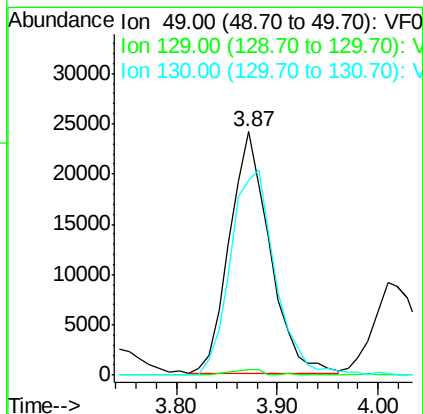
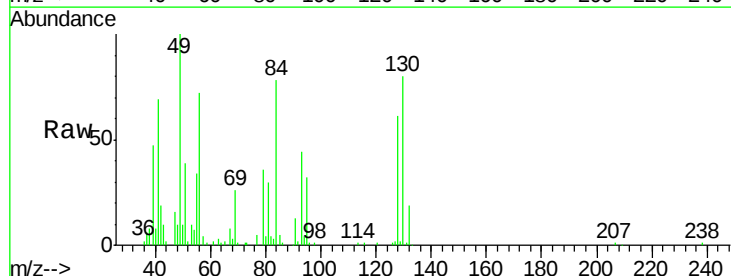
Tgt Ion: 96 Resp: 108679
Ion Ratio Lower Upper
96 100
61 173.0 0.0 337.4
98 65.6 0.0 132.8

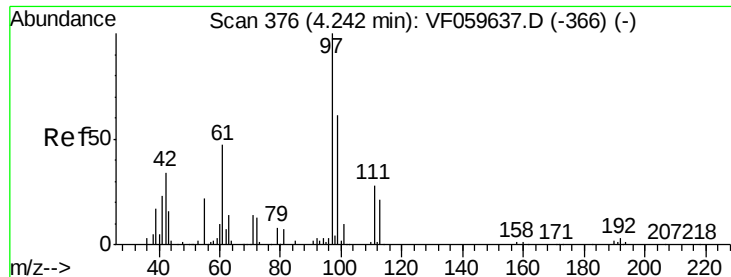


#28

Bromochloromethane
Concen: 50.880 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 49 Resp: 66907
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.6
130 80.0 65.0 97.4

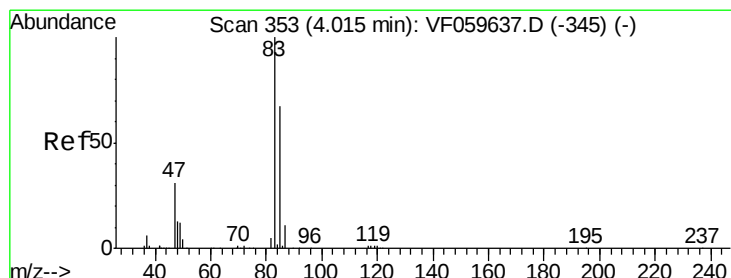
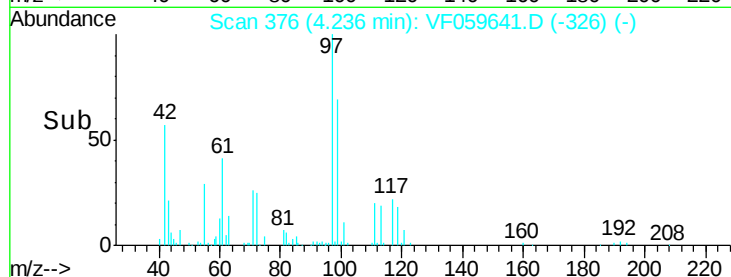
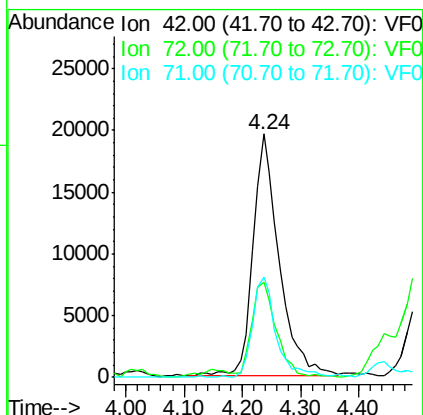
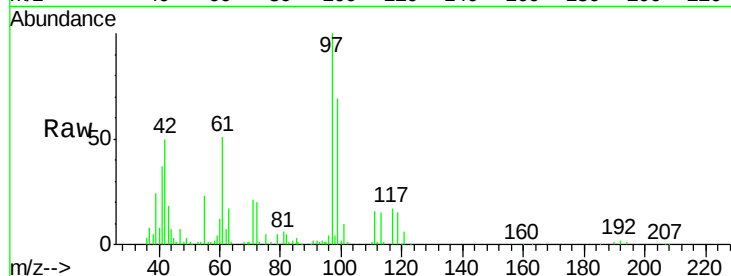




#29
Tetrahydrofuran
Concen: 267.147 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

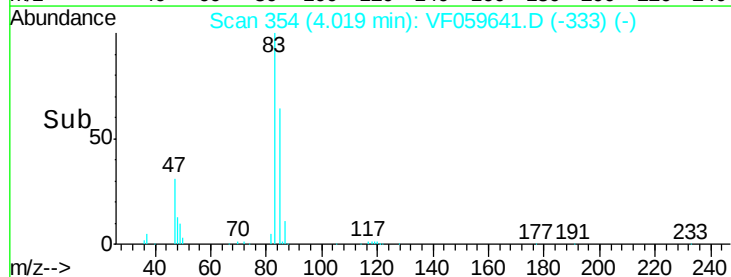
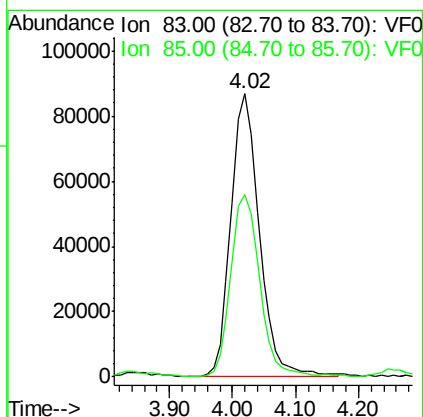
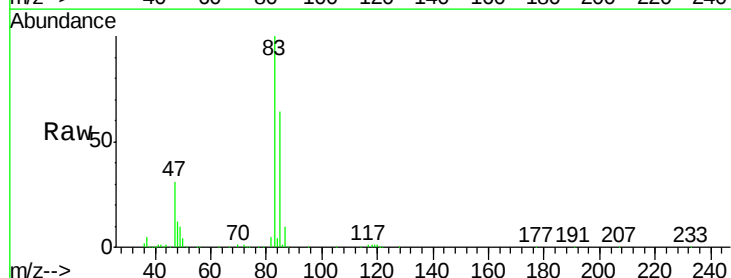
Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

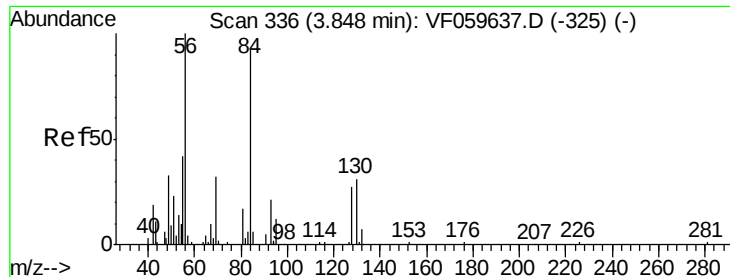
Tgt Ion: 42 Resp: 61956
Ion Ratio Lower Upper
42 100
72 35.5 30.0 45.0
71 37.7 28.6 42.8



#30
Chloroform
Concen: 47.590 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 83 Resp: 273572
Ion Ratio Lower Upper
83 100
85 64.2 53.8 80.8

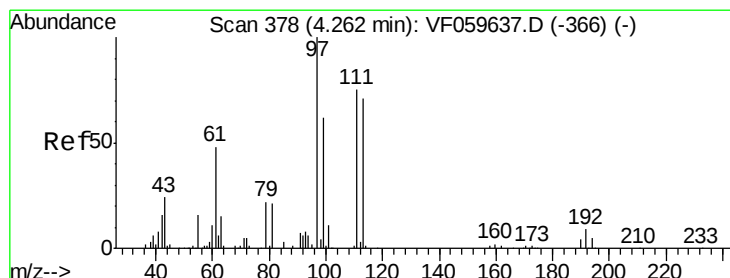
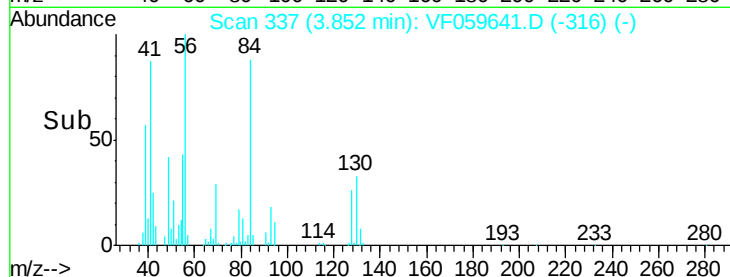
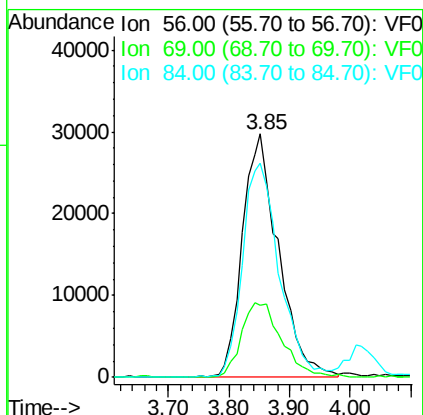
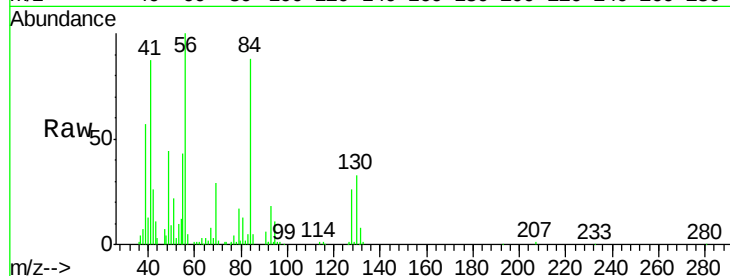




#31
Cyclohexane
Concen: 50.927 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

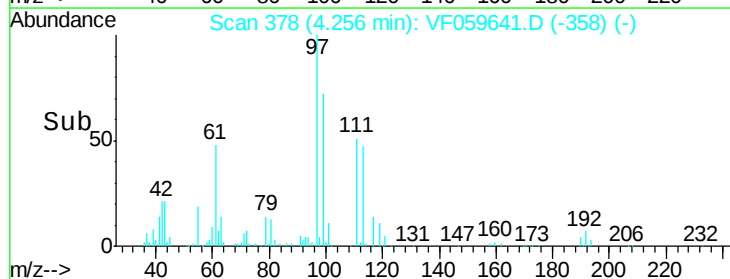
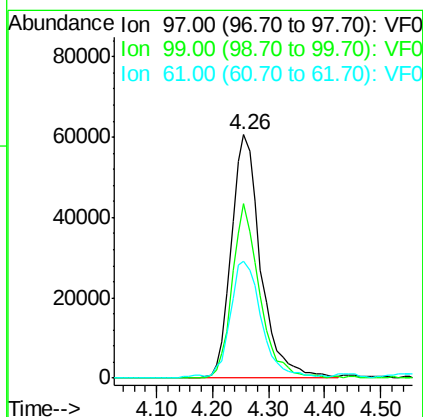
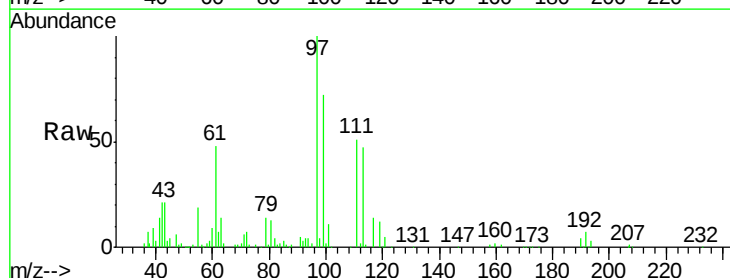
Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

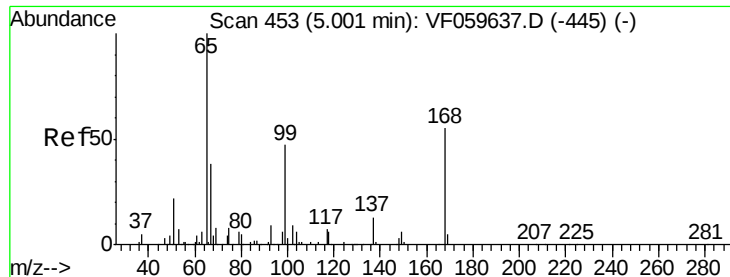
Tgt Ion: 56 Resp: 122831
Ion Ratio Lower Upper
56 100
69 29.5 26.0 39.0
84 88.2 73.5 110.3



#32
1,1,1-Trichloroethane
Concen: 45.058 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 97 Resp: 220741
Ion Ratio Lower Upper
97 100
99 71.7 49.8 74.6
61 48.1 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 48.853 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

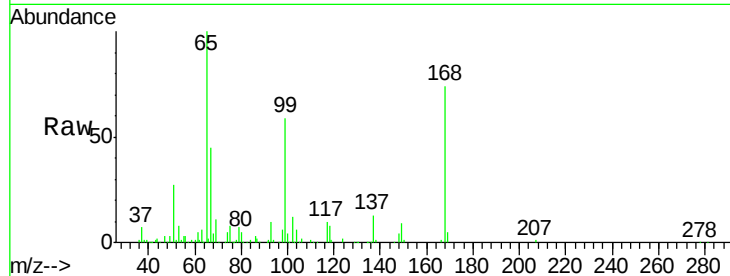
VICVVF072418

Tgt Ion: 65 Resp: 174299

Ion Ratio Lower Upper

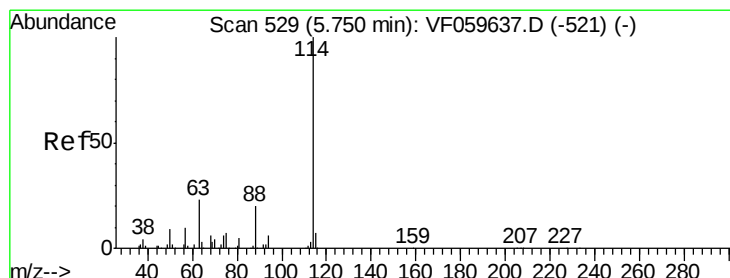
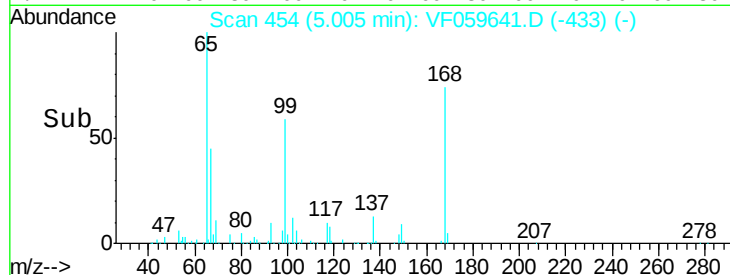
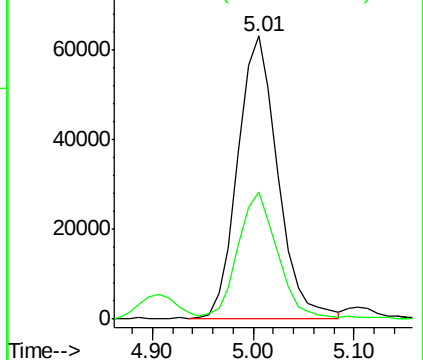
65 100

67 45.2 0.0 86.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

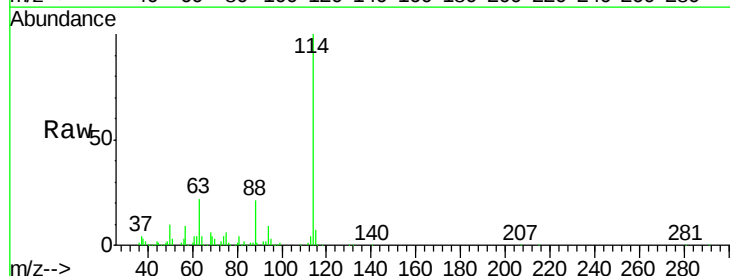
Tgt Ion: 114 Resp: 365990

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

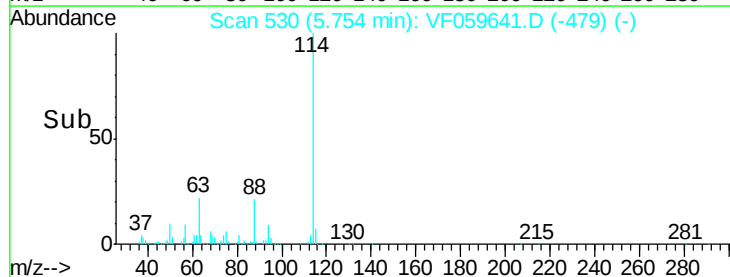
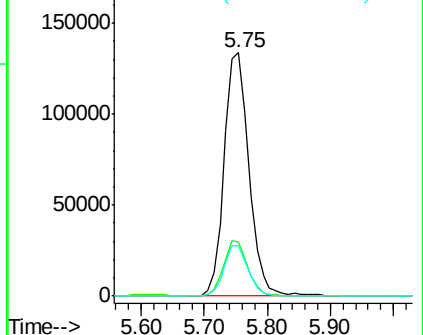
88 20.9 0.0 40.8

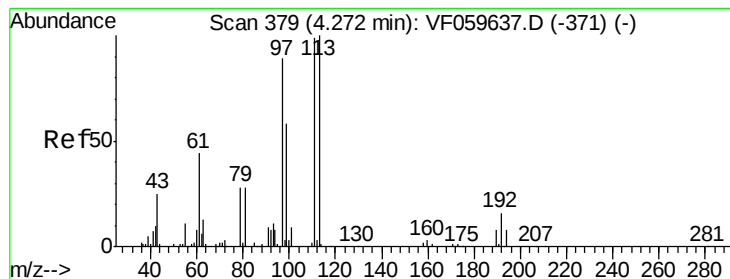


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 48.185 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

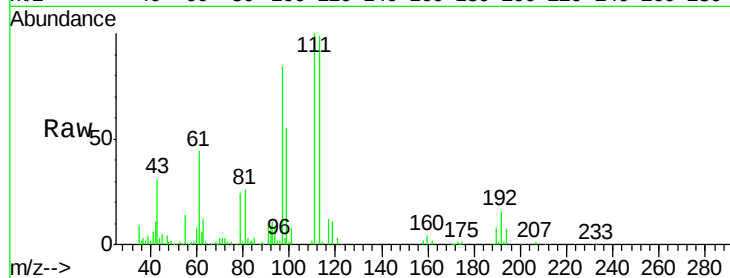
Tgt Ion:113 Resp: 158710

Ion Ratio Lower Upper

113 100

111 101.4 79.3 118.9

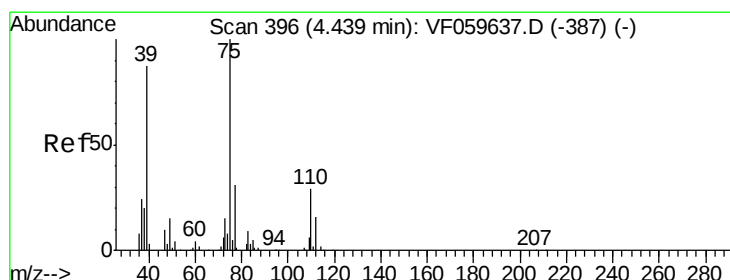
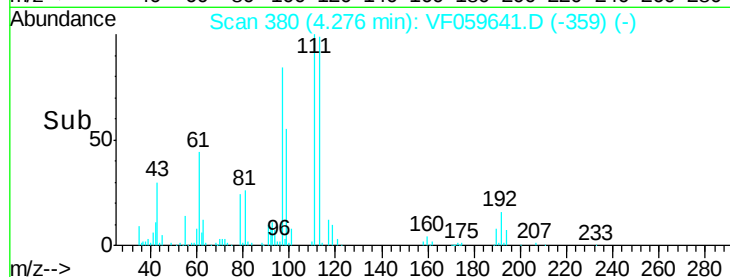
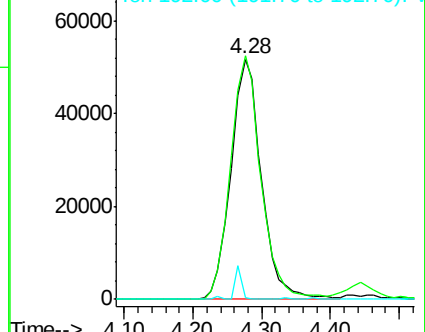
192 0.6 13.4 20.2#



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: 47.528 ug/l

RT: 4.44 min Scan# 397

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

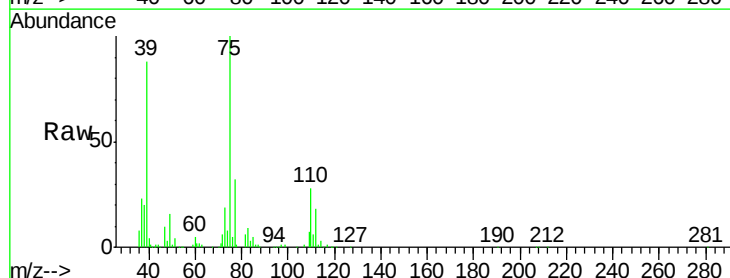
Tgt Ion: 75 Resp: 178219

Ion Ratio Lower Upper

75 100

110 27.6 14.6 43.8

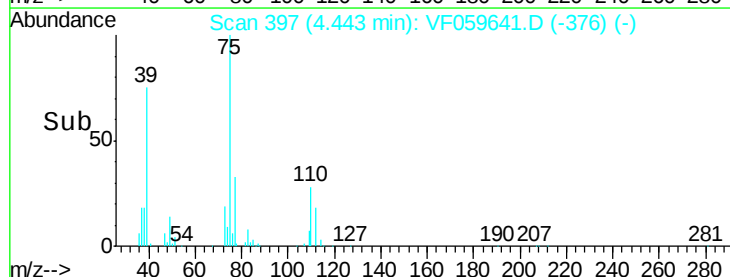
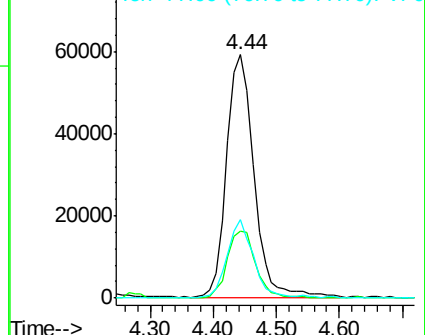
77 32.1 24.4 36.6

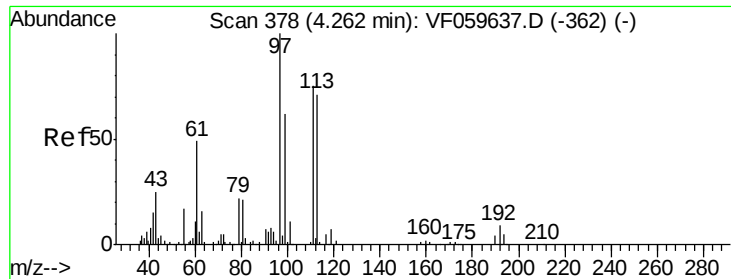


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 50.684 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

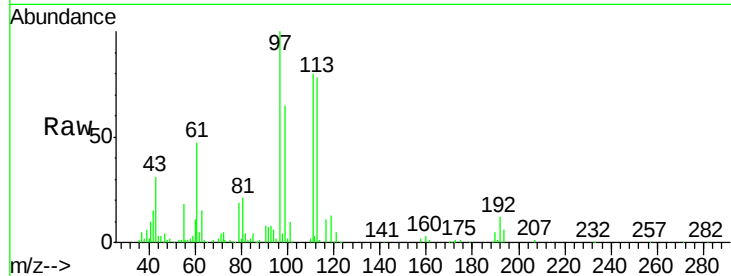
Tgt Ion: 43 Resp: 65071

Ion Ratio Lower Upper

43 100

61 154.9 156.6 234.8#

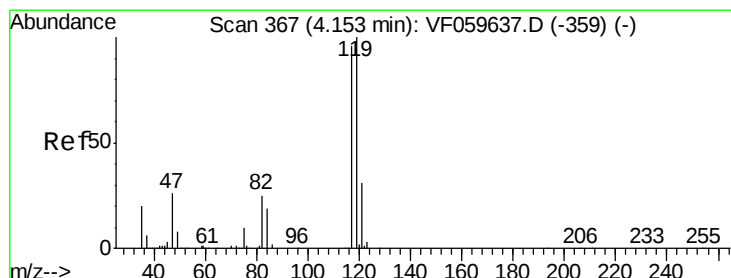
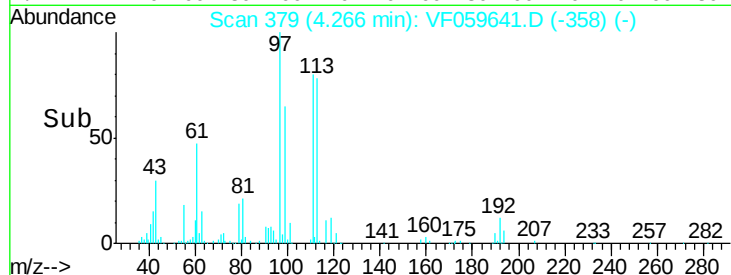
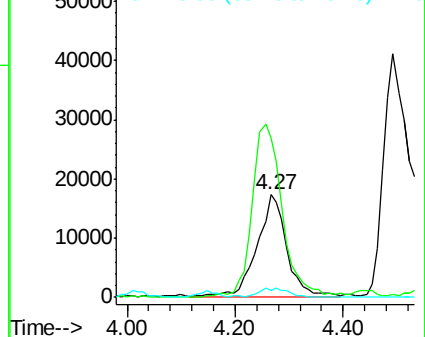
70 6.5 7.3 10.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 45.885 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

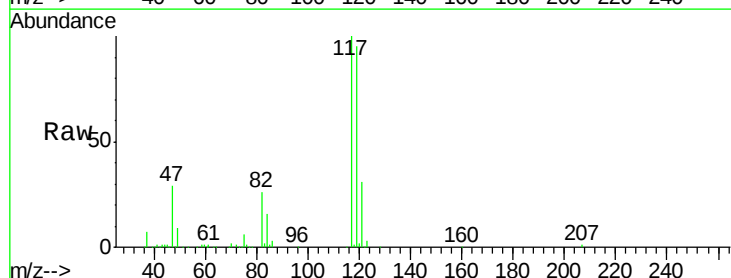
Tgt Ion: 117 Resp: 237435

Ion Ratio Lower Upper

117 100

119 94.6 83.0 124.6

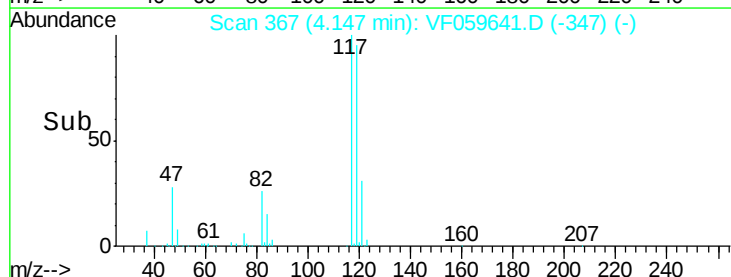
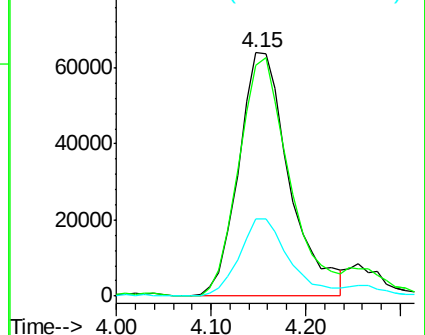
121 31.5 26.2 39.4

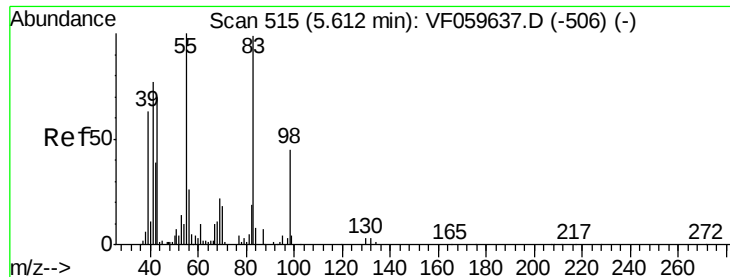


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 48.438 ug/l

RT: 5.62 min Scan# 516

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

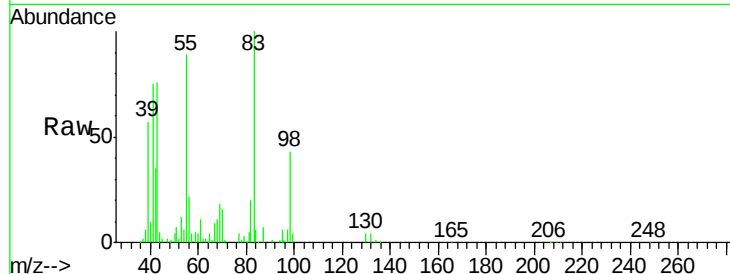
Tgt Ion: 83 Resp: 147312

Ion Ratio Lower Upper

83 100

55 89.3 81.5 122.3

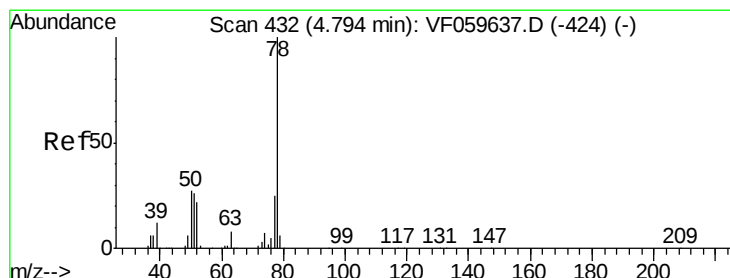
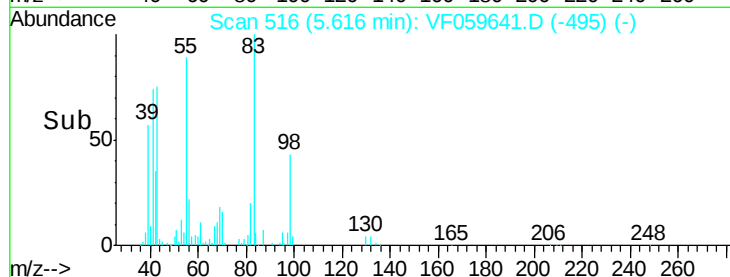
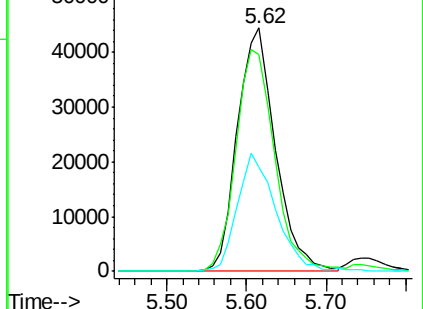
98 42.6 36.7 55.1



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: 48.039 ug/l

RT: 4.80 min Scan# 433

Delta R.T. 0.00 min

Lab File: VF059641.D

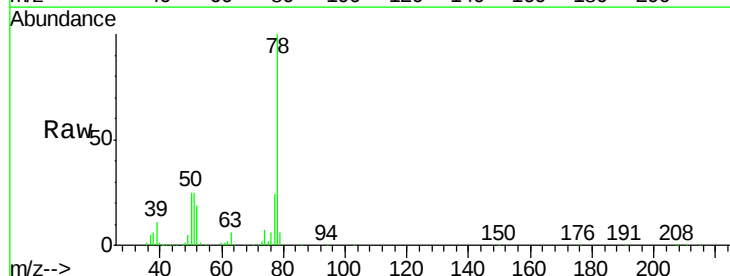
Acq: 24 Jul 2018 19:49

Tgt Ion: 78 Resp: 333214

Ion Ratio Lower Upper

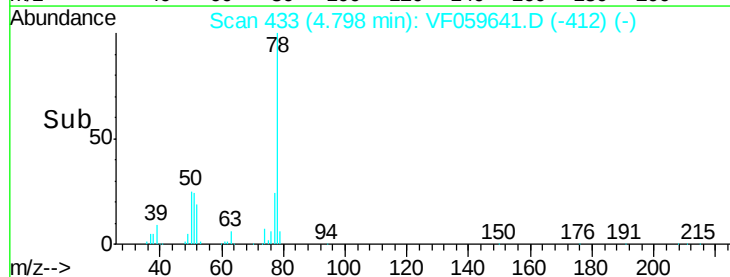
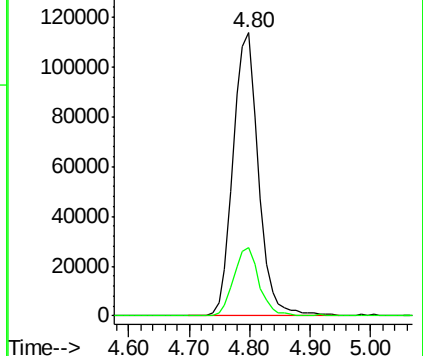
78 100

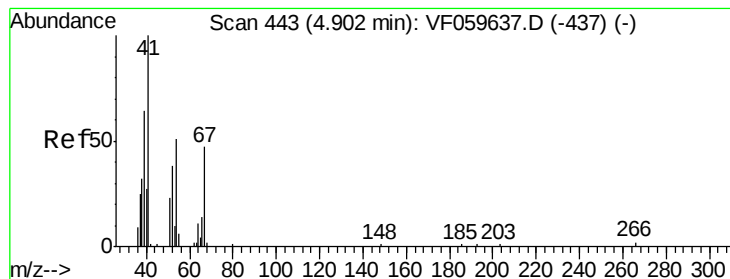
77 24.3 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 44.761 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tgt Ion: 41 Resp: 31395

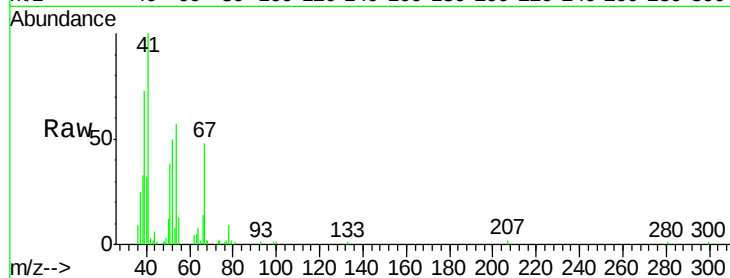
Ion Ratio Lower Upper

41 100

39 73.5 56.9 85.3

67 47.5 36.6 54.8

52 50.1 42.6 63.8

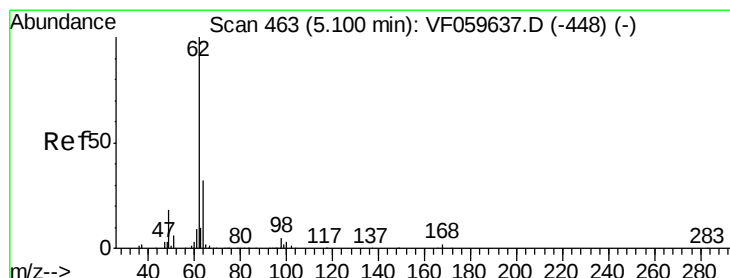
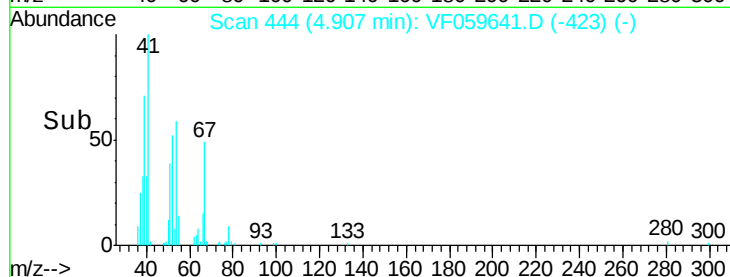
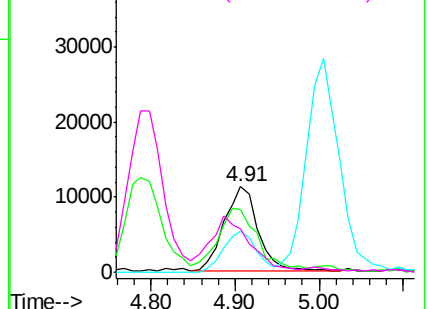


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 45.569 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.00 min

Lab File: VF059641.D

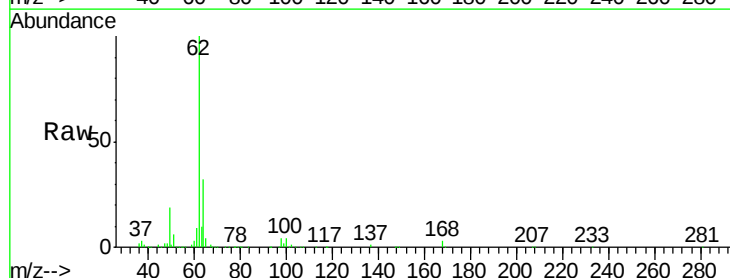
Acq: 24 Jul 2018 19:49

Tgt Ion: 62 Resp: 187297

Ion Ratio Lower Upper

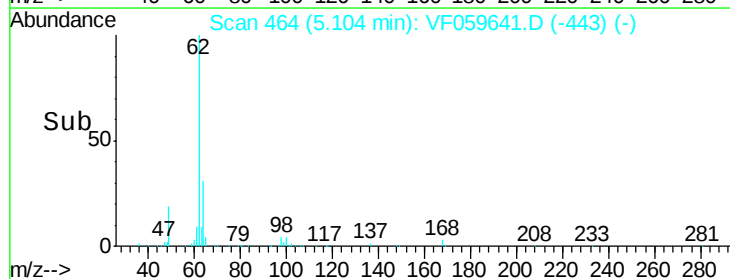
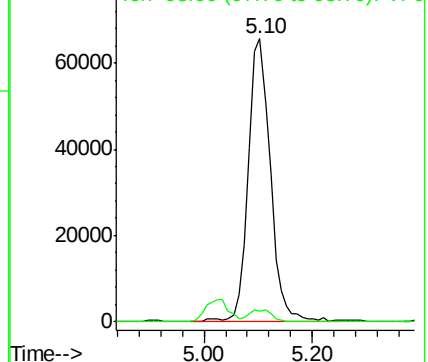
62 100

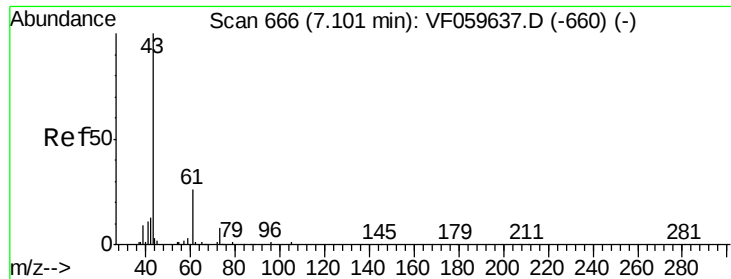
98 3.8 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 46.802 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

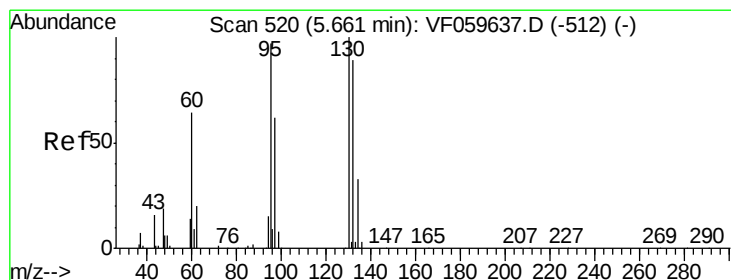
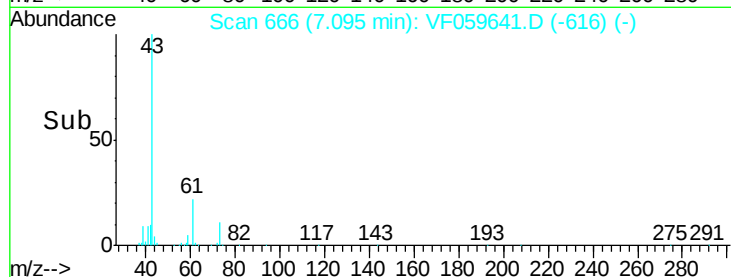
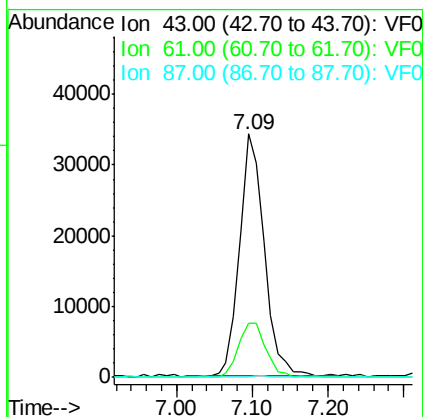
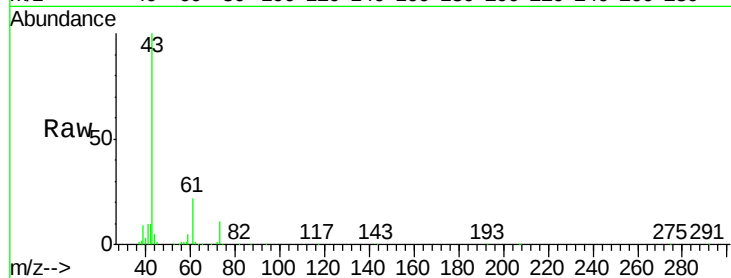
Tgt Ion: 43 Resp: 77183

Ion Ratio Lower Upper

43 100

61 22.2 20.5 30.7

87 0.3 0.4 0.6#



#44

Trichloroethene

Concen: 49.409 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059641.D

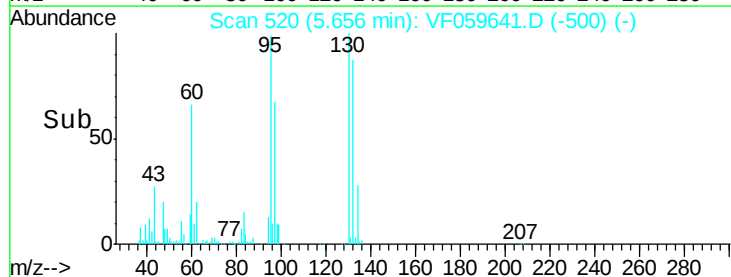
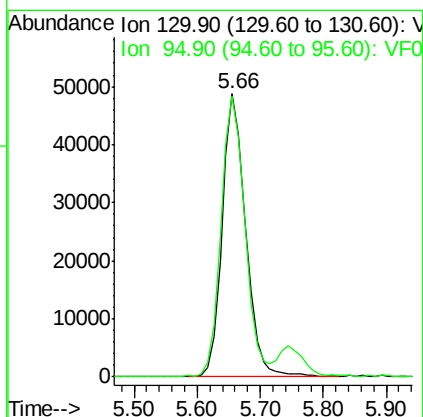
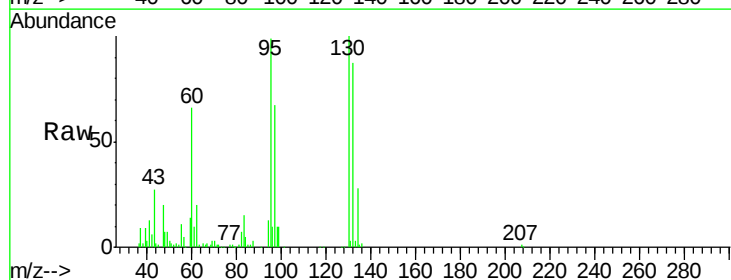
Acq: 24 Jul 2018 19:49

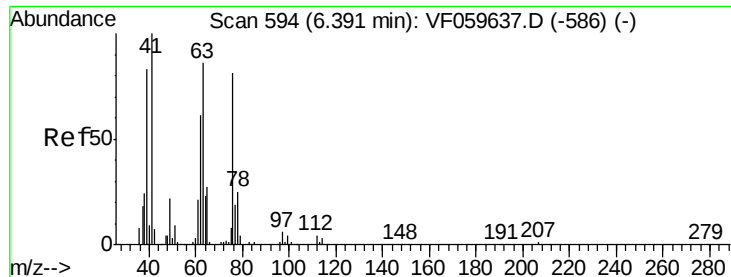
Tgt Ion: 130 Resp: 126497

Ion Ratio Lower Upper

130 100

95 99.0 0.0 193.4





#45

1,2-Dichloropropane

Concen: 47.056 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

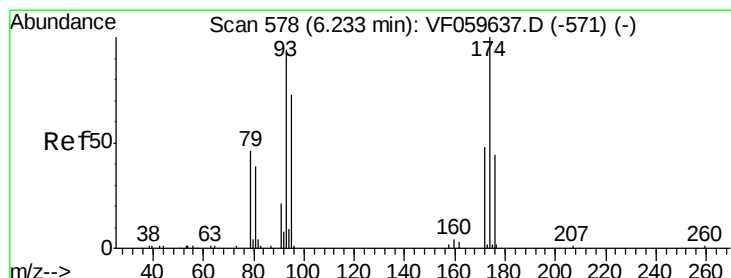
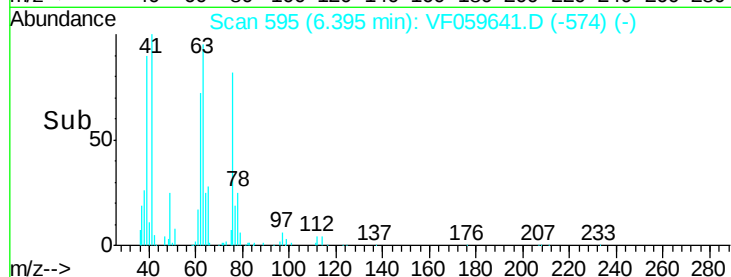
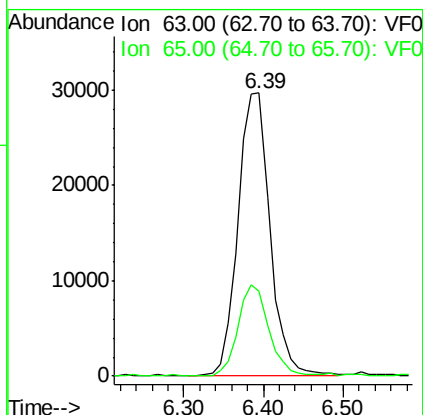
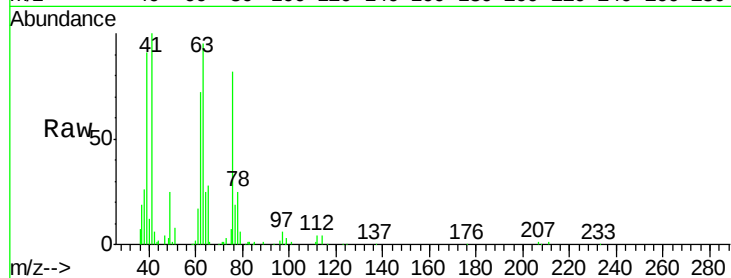
VICVVF072418

Tgt Ion: 63 Resp: 82639

Ion Ratio Lower Upper

63 100

65 29.9 25.1 37.7



#46

Dibromomethane

Concen: 44.939 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

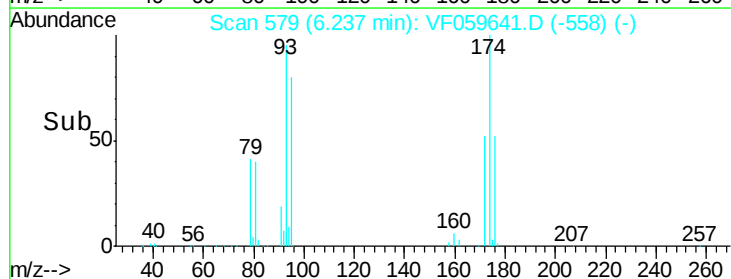
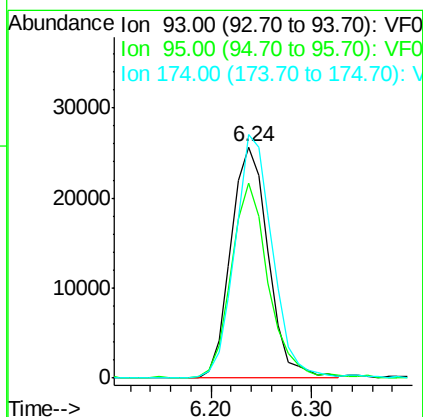
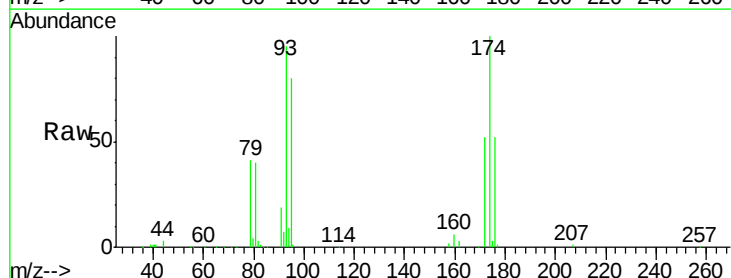
Tgt Ion: 93 Resp: 66663

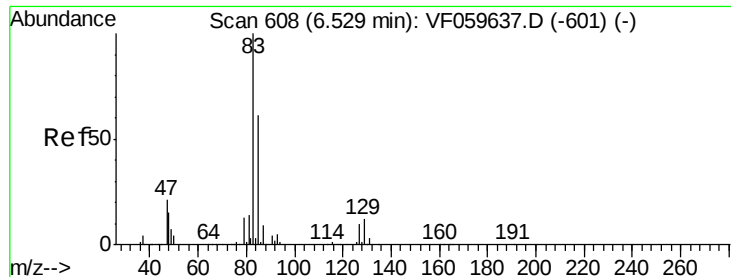
Ion Ratio Lower Upper

93 100

95 85.3 63.1 94.7

174 105.3 85.3 127.9





#47

Bromodichloromethane

Concen: 45.837 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

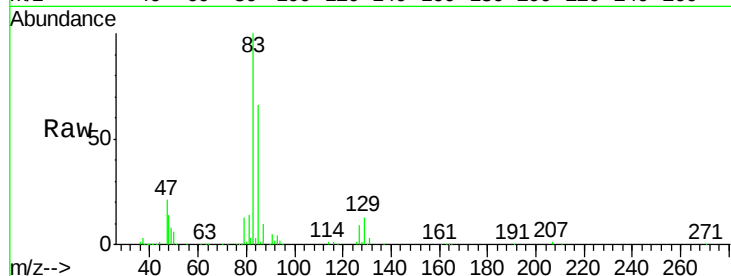
Tgt Ion: 83 Resp: 198807

Ion Ratio Lower Upper

83 100

85 65.7 48.6 72.8

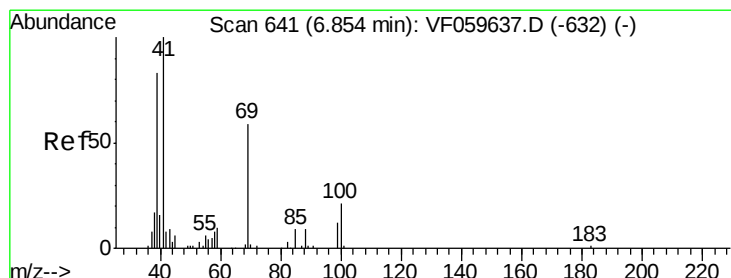
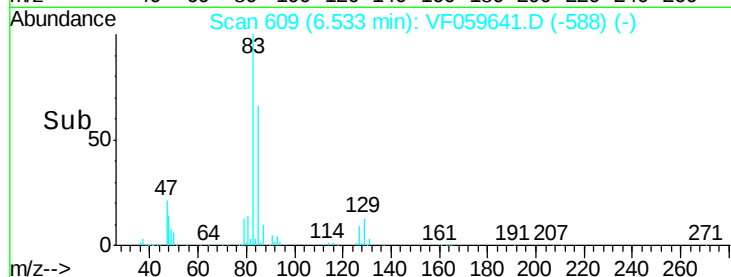
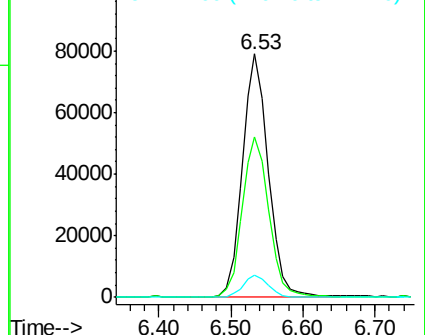
127 9.0 7.7 11.5



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: 45.302 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

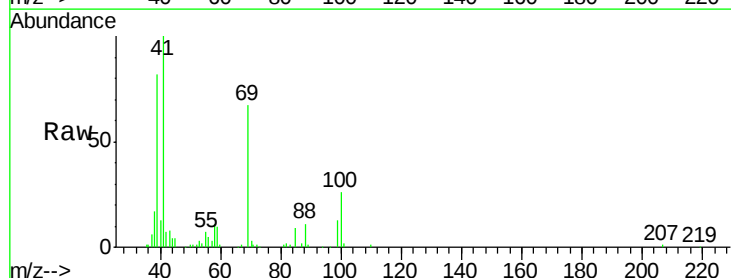
Tgt Ion: 41 Resp: 54997

Ion Ratio Lower Upper

41 100

69 66.5 47.5 71.3

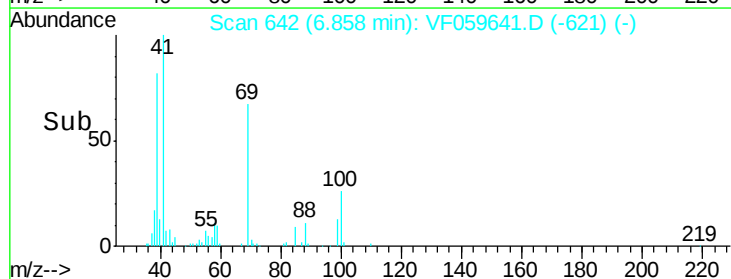
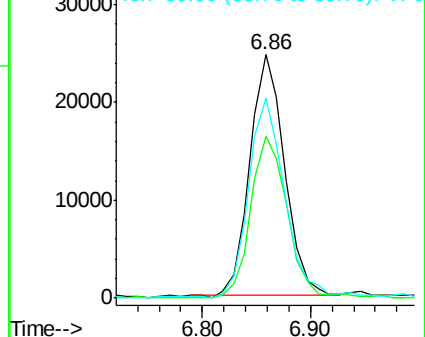
39 82.1 67.0 100.6

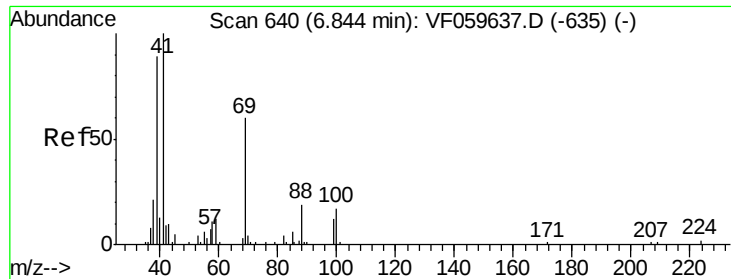


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 900.444 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

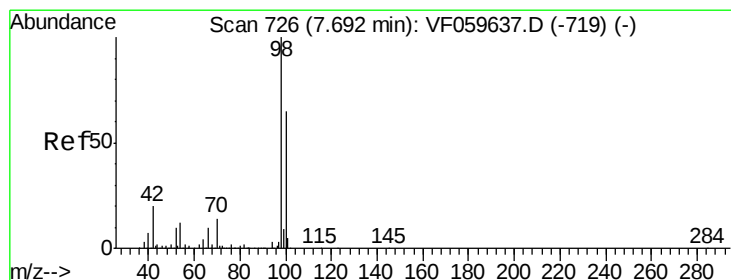
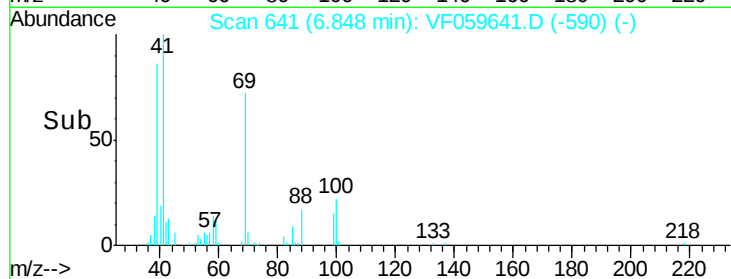
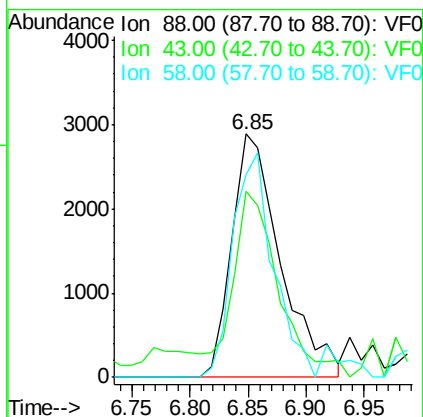
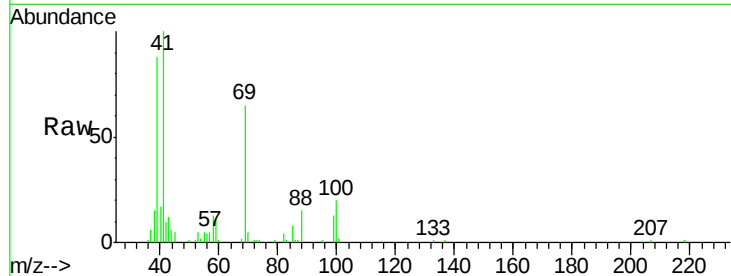
Tgt Ion: 88 Resp: 8412

Ion Ratio Lower Upper

88 100

43 76.4 45.3 67.9#

58 83.4 47.7 71.5#



#50

Toluene-d8

Concen: 50.693 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059641.D

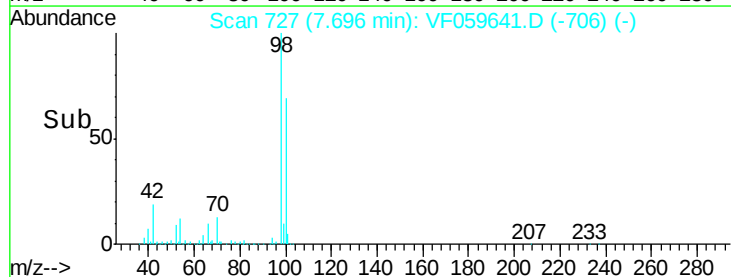
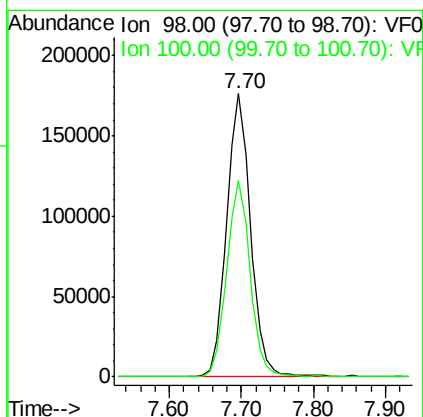
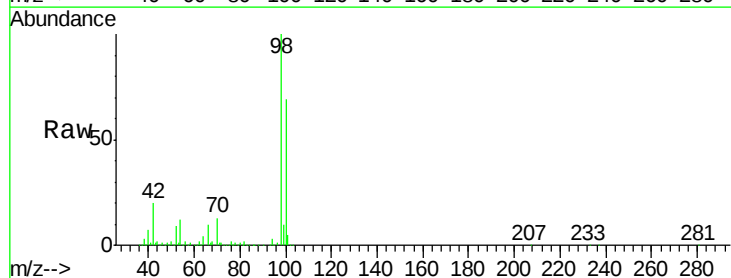
Acq: 24 Jul 2018 19:49

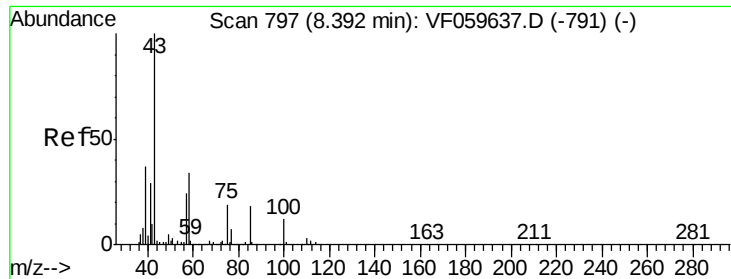
Tgt Ion: 98 Resp: 406963

Ion Ratio Lower Upper

98 100

100 69.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 238.580 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

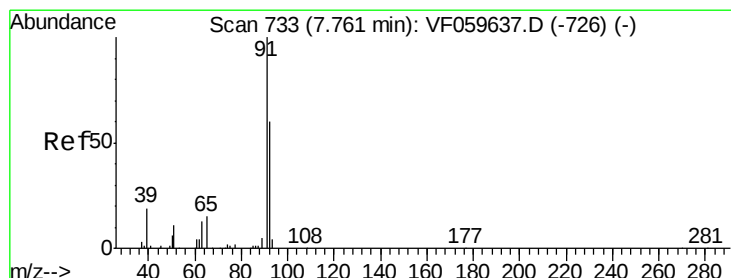
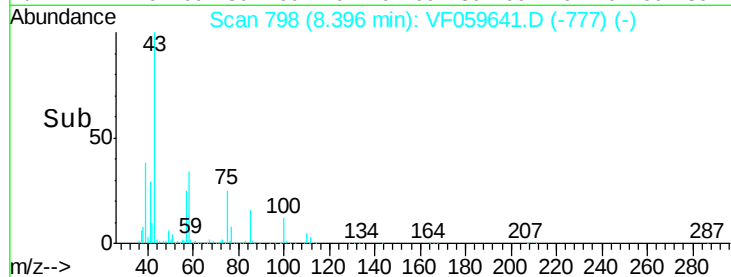
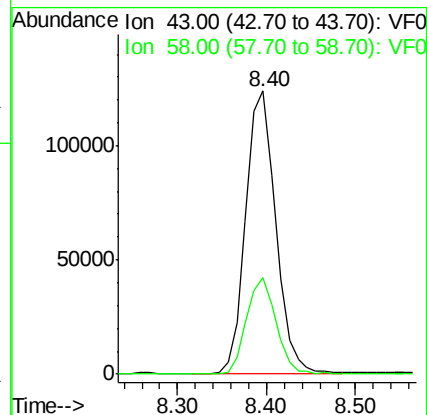
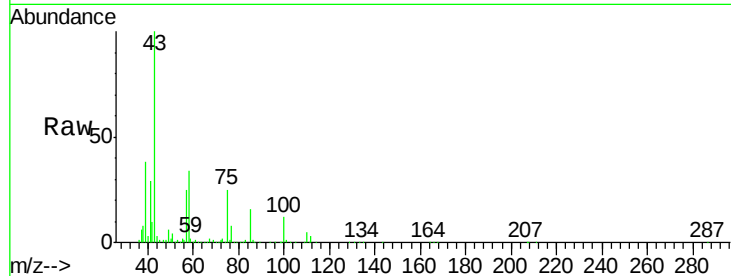
VICVF072418

Tgt Ion: 43 Resp: 289177

Ion Ratio Lower Upper

43 100

58 34.3 27.3 40.9



#52

Toluene

Concen: 51.722 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059641.D

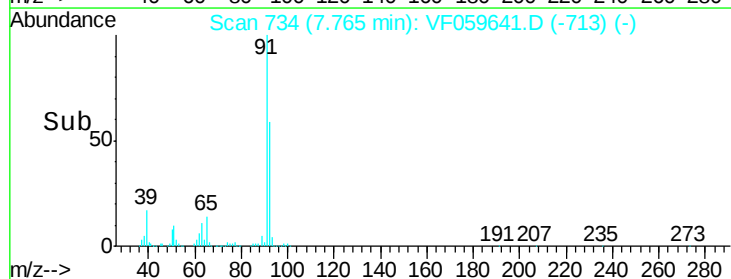
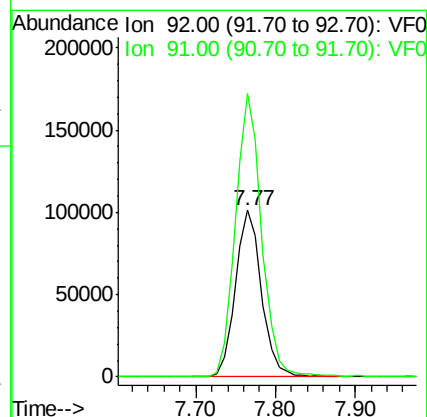
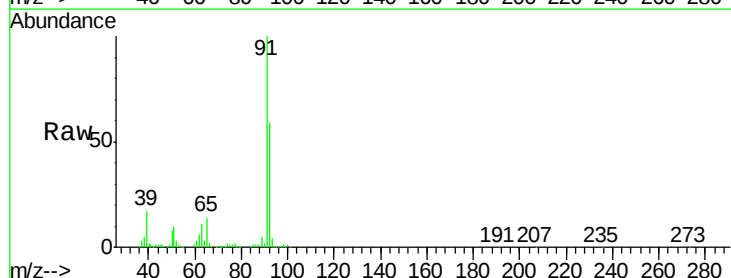
Acq: 24 Jul 2018 19:49

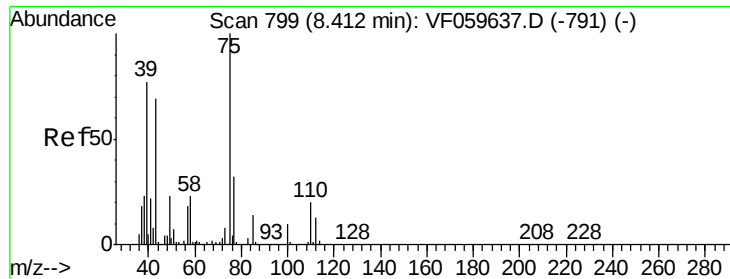
Tgt Ion: 92 Resp: 231133

Ion Ratio Lower Upper

92 100

91 170.1 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 44.920 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

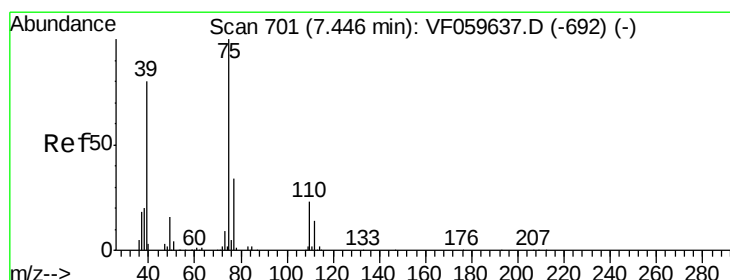
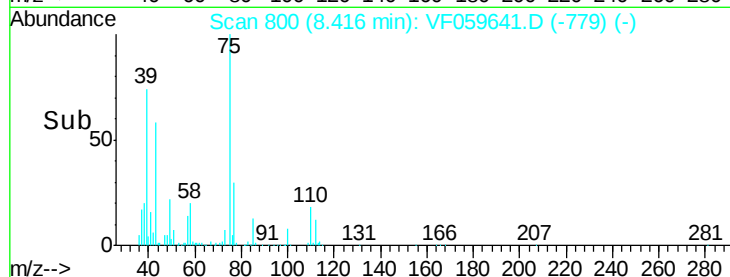
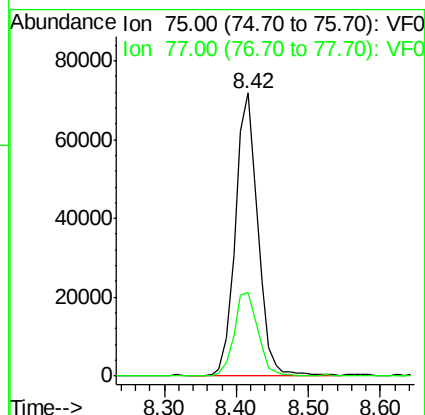
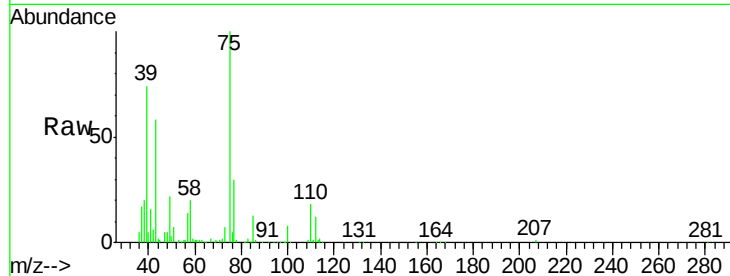
VICVF072418

Tgt Ion: 75 Resp: 155250

Ion Ratio Lower Upper

75 100

77 29.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 47.404 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

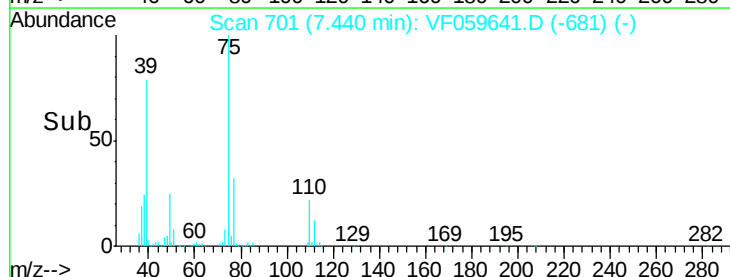
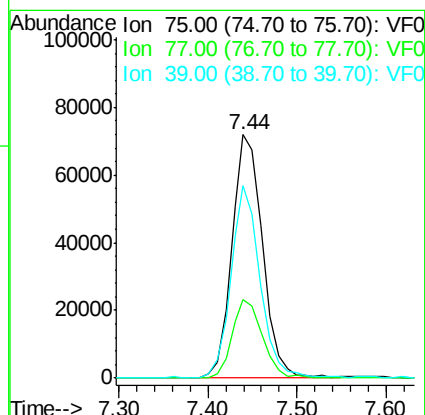
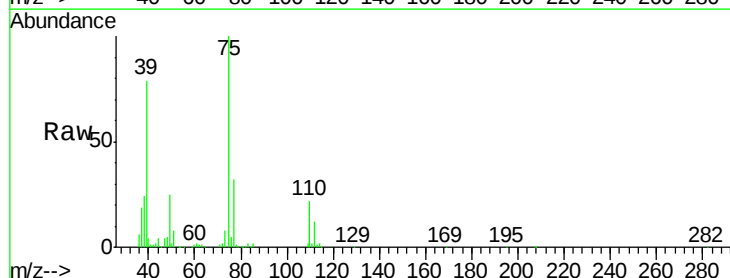
Tgt Ion: 75 Resp: 173181

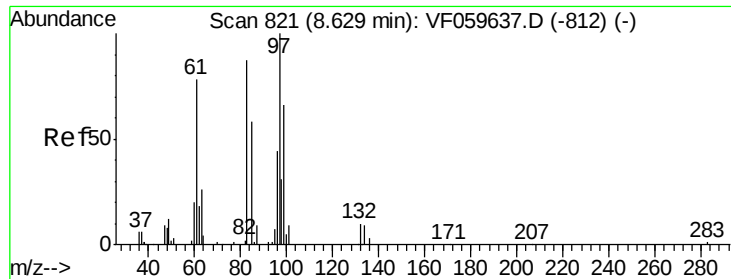
Ion Ratio Lower Upper

75 100

77 32.2 27.5 41.3

39 79.3 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 48.479 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tgt Ion: 97 Resp: 74977

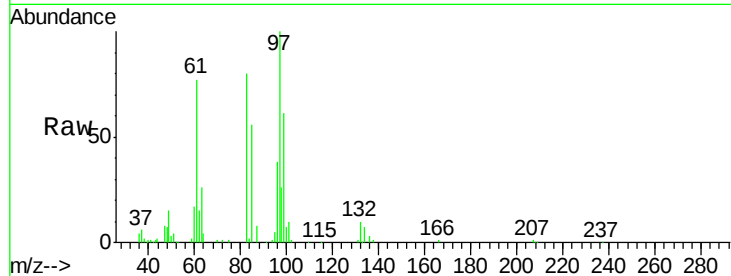
Ion Ratio Lower Upper

97 100

83 80.0 69.5 104.3

85 55.6 46.0 69.0

99 60.9 53.2 79.8

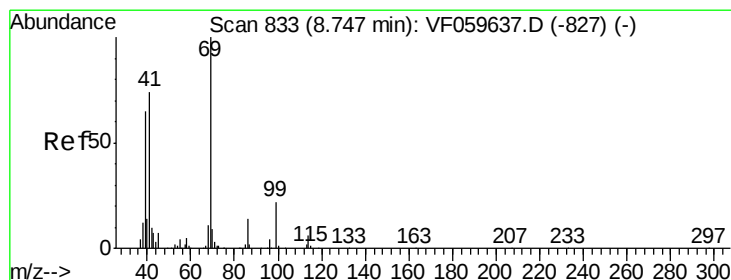
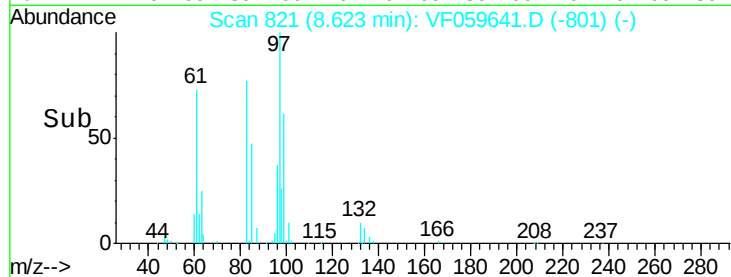
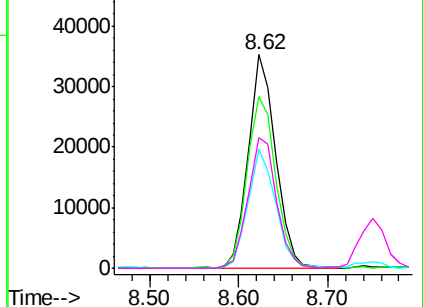


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 45.527 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

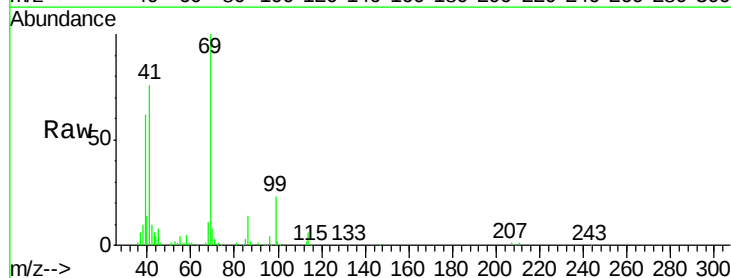
Tgt Ion: 69 Resp: 75266

Ion Ratio Lower Upper

69 100

41 76.2 59.1 88.7

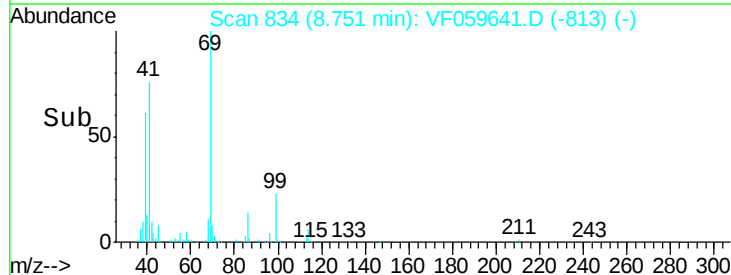
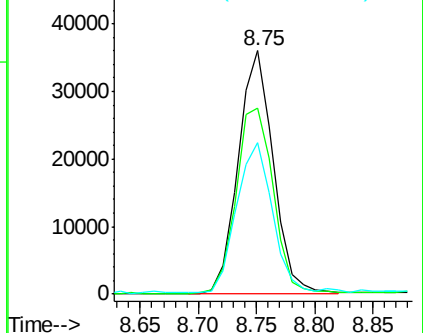
39 62.4 52.4 78.6

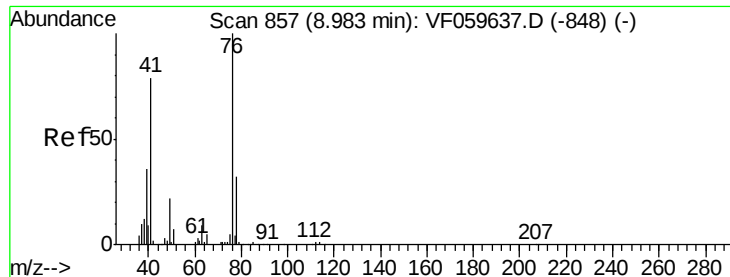


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 45.913 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

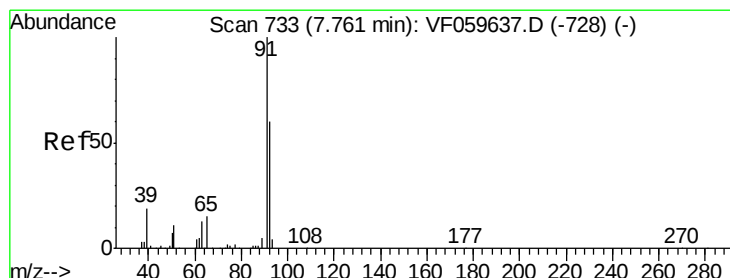
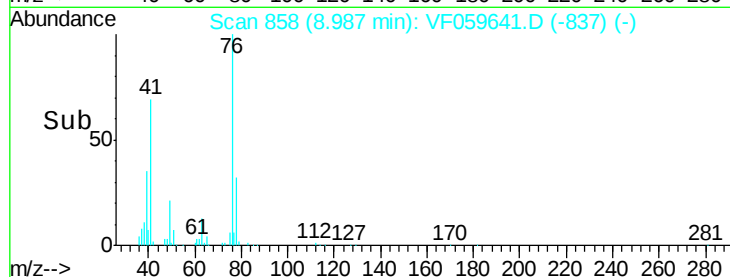
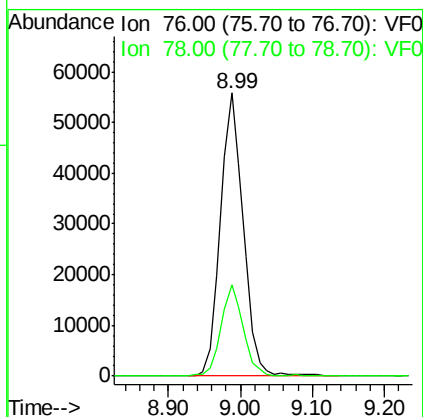
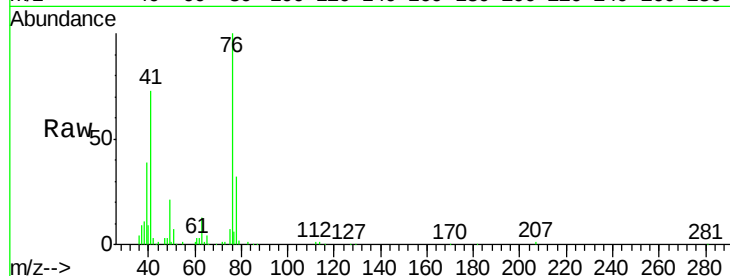
VICVVF072418

Tgt Ion: 76 Resp: 121570

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 218.374 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059641.D

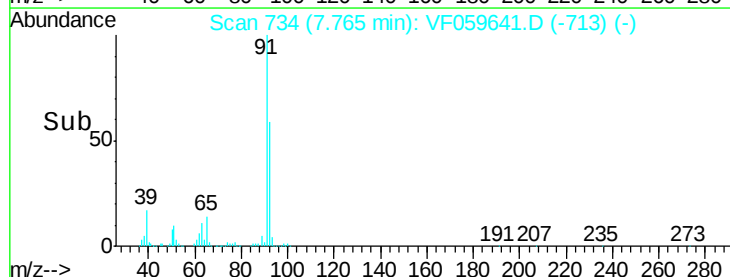
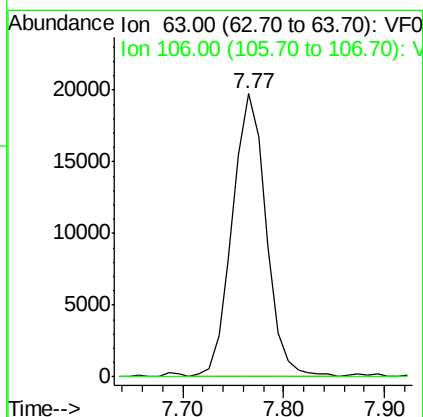
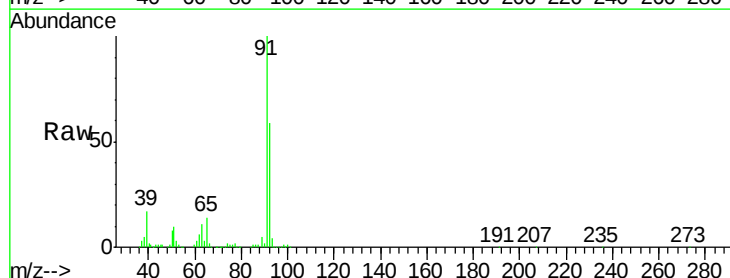
Acq: 24 Jul 2018 19:49

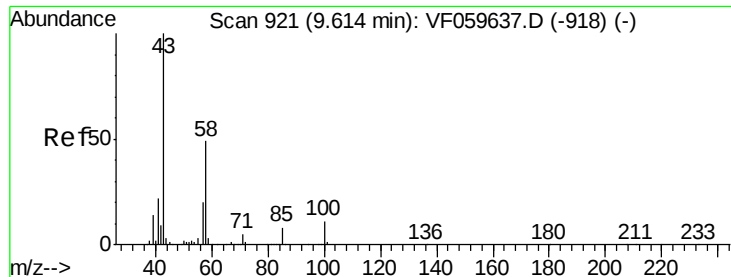
Tgt Ion: 63 Resp: 46340

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

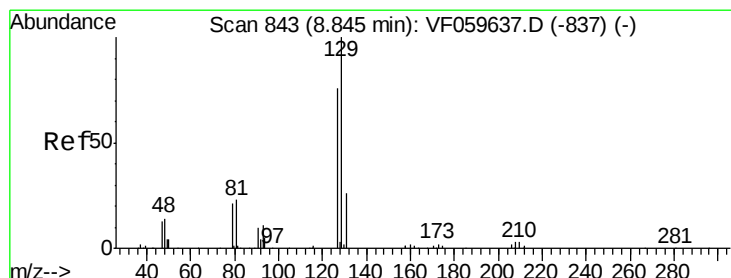
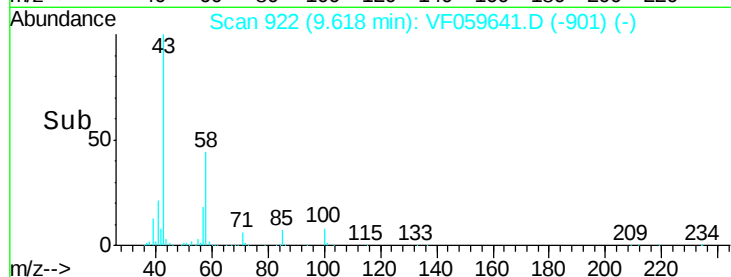
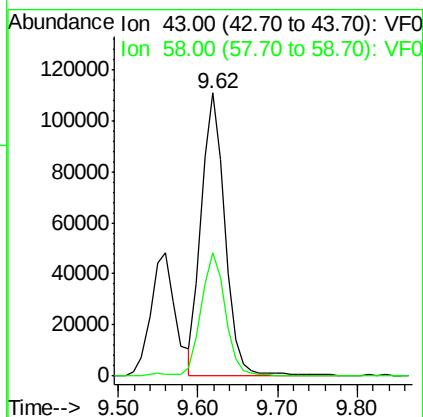
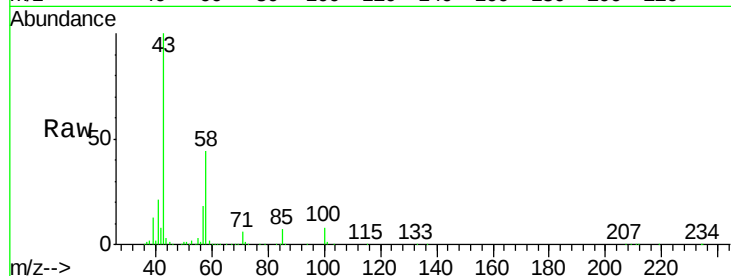




#59
2-Hexanone
Concen: 245.611 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

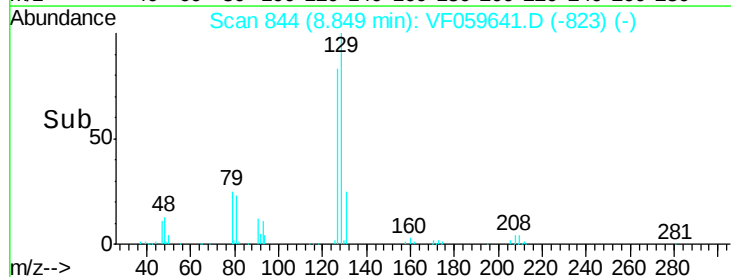
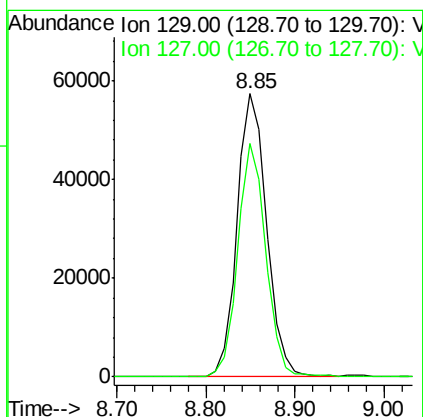
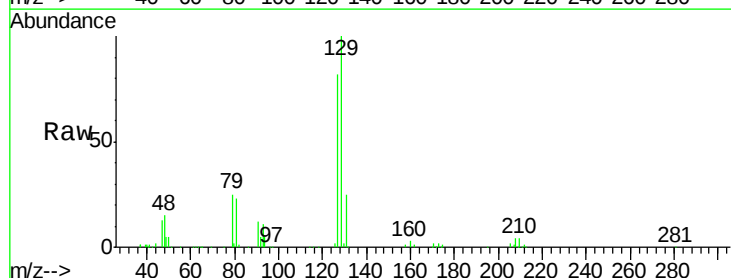
Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

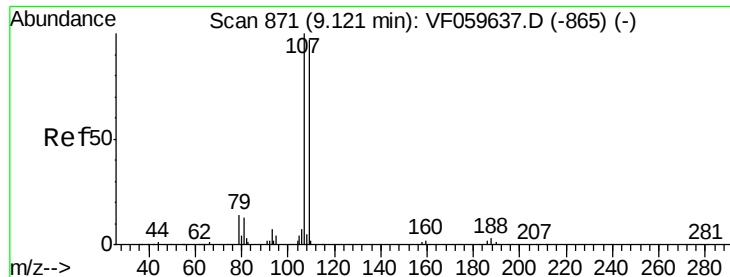
Tgt Ion: 43 Resp: 227341
Ion Ratio Lower Upper
43 100
58 43.6 23.6 71.0



#60
Dibromochloromethane
Concen: 46.332 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 129 Resp: 132487
Ion Ratio Lower Upper
129 100
127 82.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 44.631 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

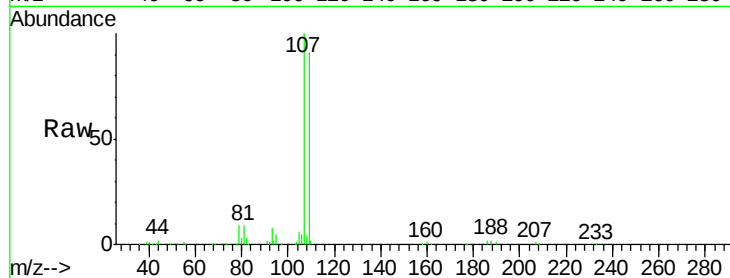
VICVVF072418

Tgt Ion: 107 Resp: 84286

Ion Ratio Lower Upper

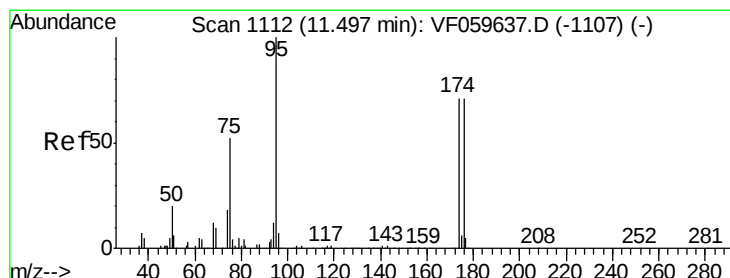
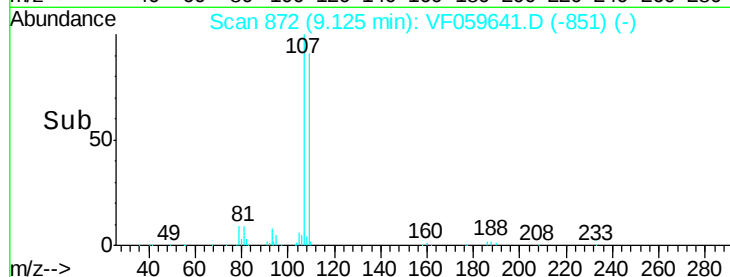
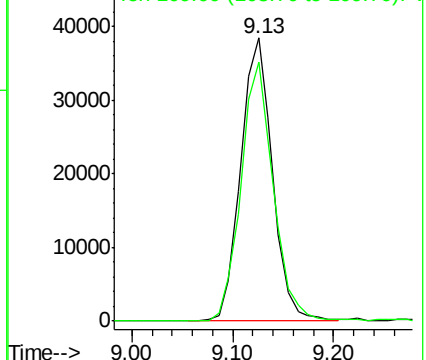
107 100

109 91.4 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.457 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

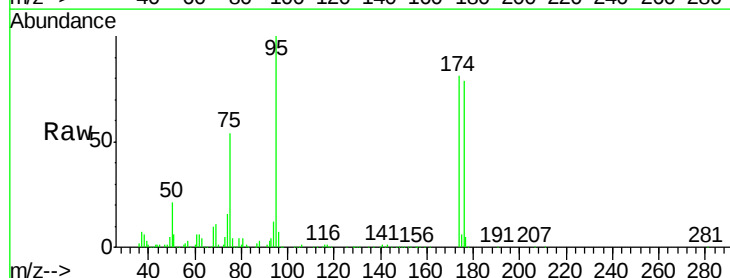
Tgt Ion: 95 Resp: 199892

Ion Ratio Lower Upper

95 100

174 80.9 0.0 141.8

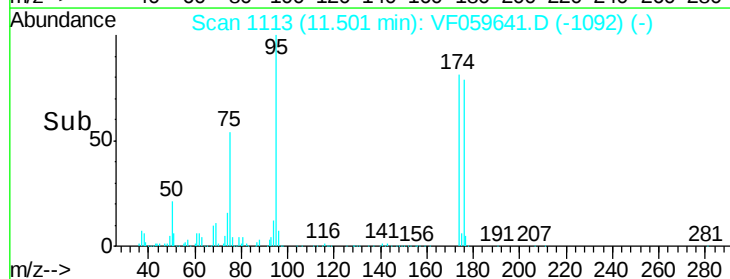
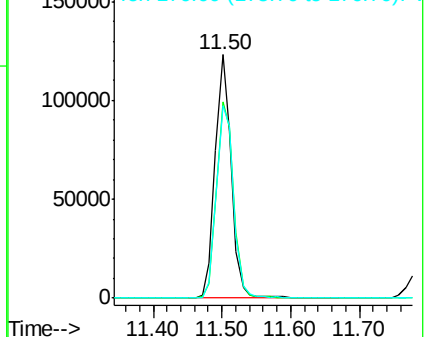
176 79.0 0.0 142.0

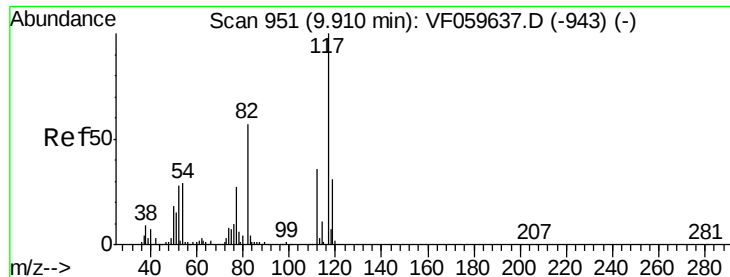


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

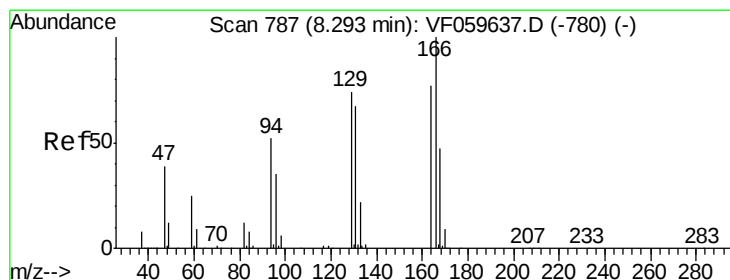
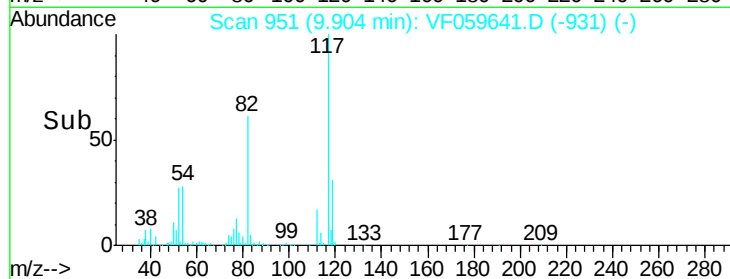
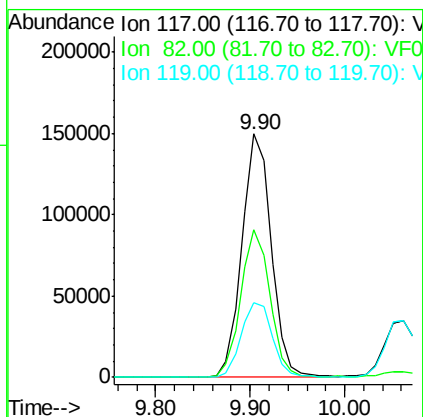
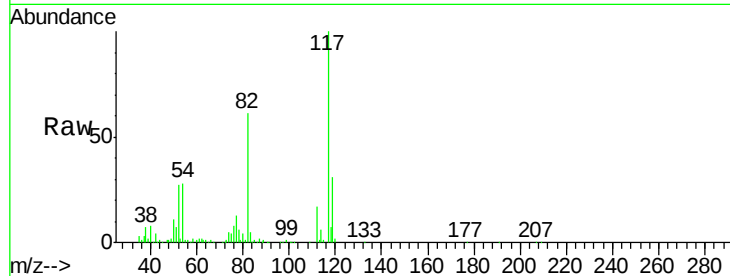




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

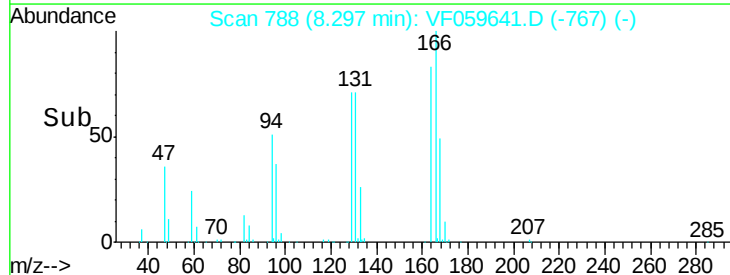
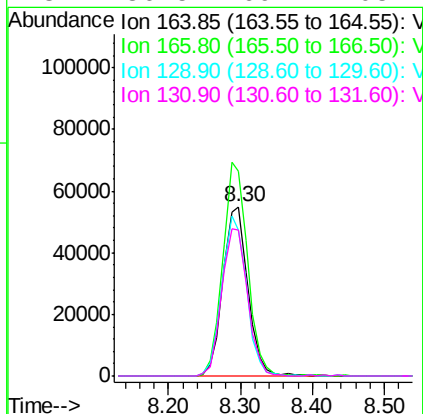
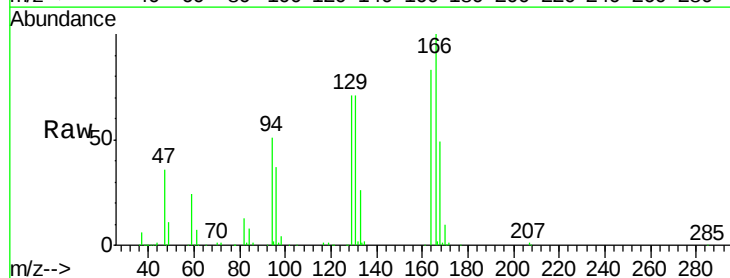
Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

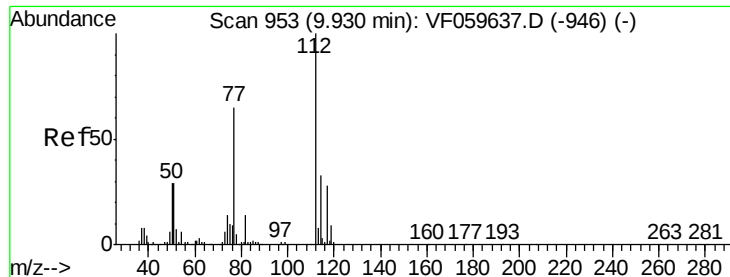
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	45.9	68.9
119	30.8	25.1	37.7



#64
Tetrachloroethene
Concen: 51.544 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	103.3	154.9
129	86.5	76.2	114.2
131	86.5	69.1	103.7





#65

Chlorobenzene

Concen: 48.158 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

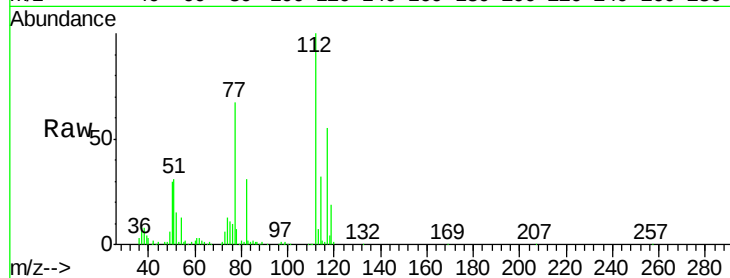
VICVVF072418

Tgt Ion:112 Resp: 287427

Ion Ratio Lower Upper

112 100

114 31.6 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.92

150000

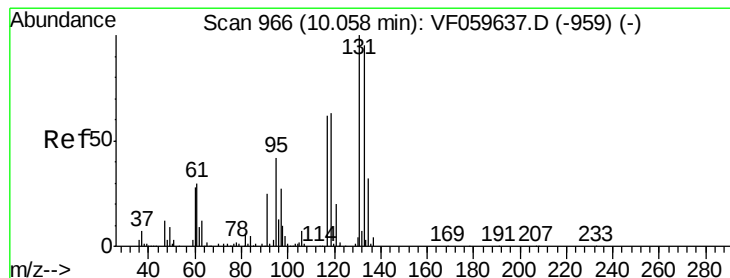
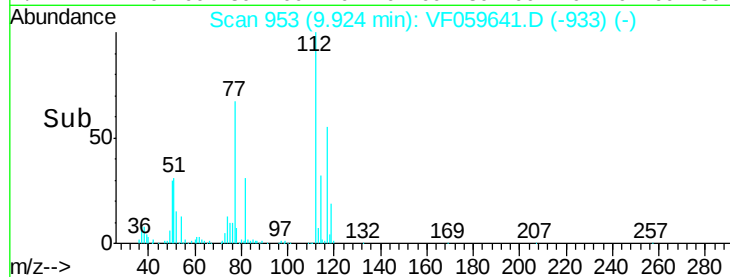
100000

50000

0

Time-->

9.80 9.90 10.00 10.10



#66

1,1,1,2-Tetrachloroethane

Concen: 48.064 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

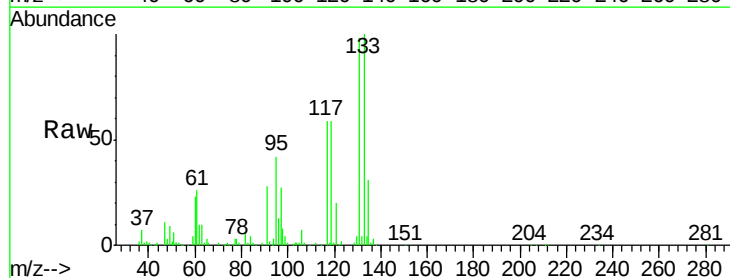
Tgt Ion:131 Resp: 132980

Ion Ratio Lower Upper

131 100

133 102.0 47.5 142.6

119 60.2 31.8 95.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.06

80000

60000

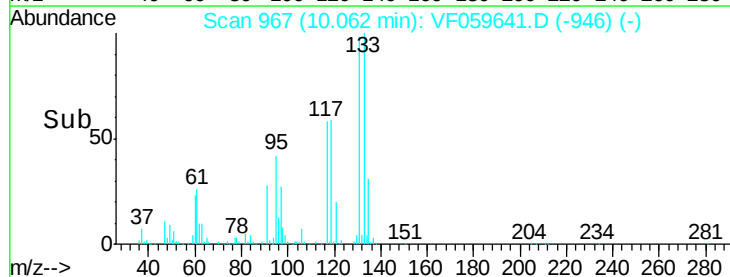
40000

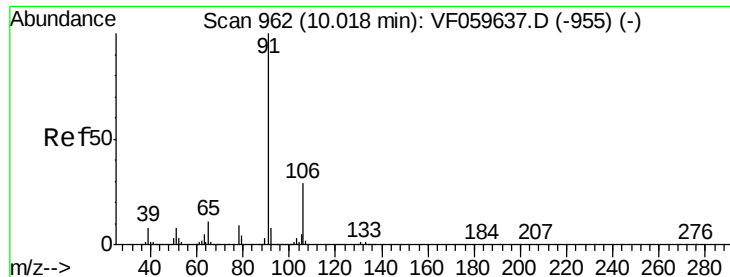
20000

0

Time-->

9.90 10.00 10.10 10.20

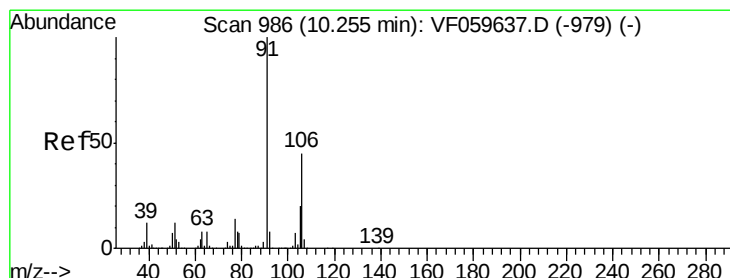
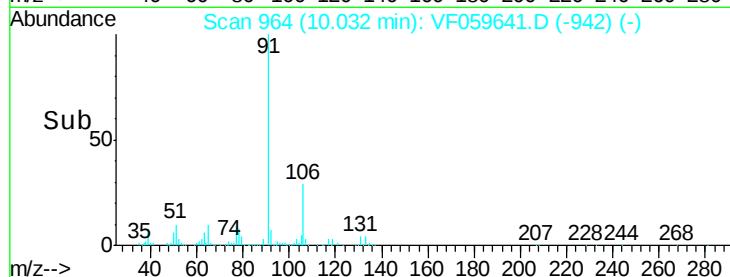
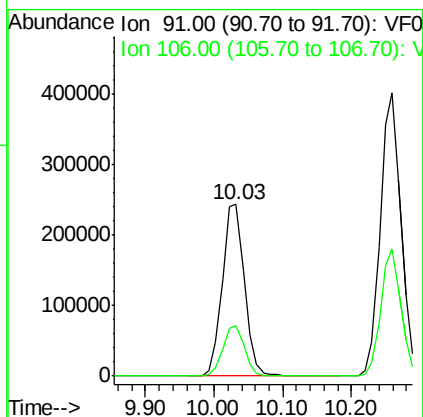
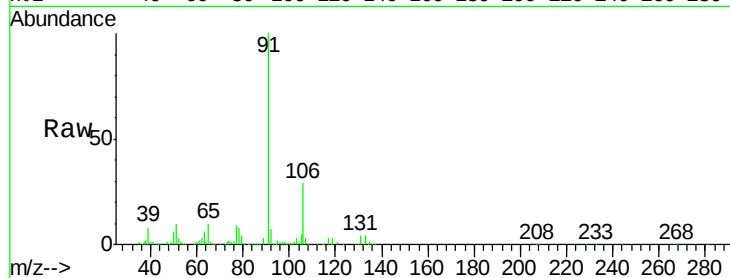




#67
Ethyl Benzene
Concen: 50.897 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

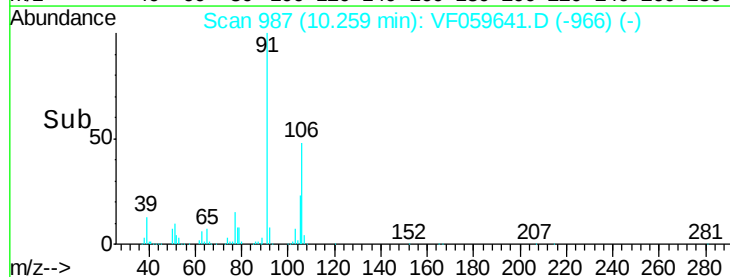
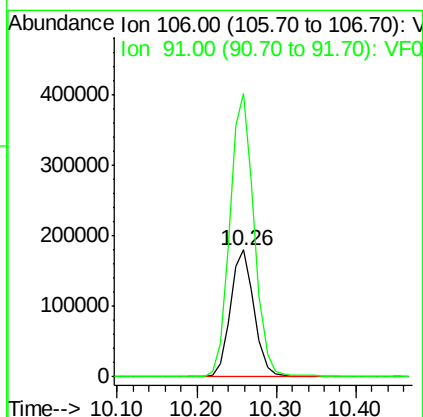
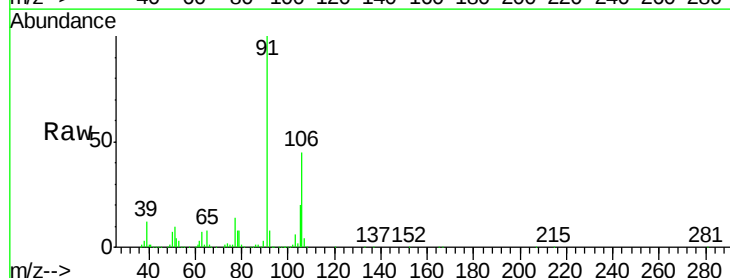
Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

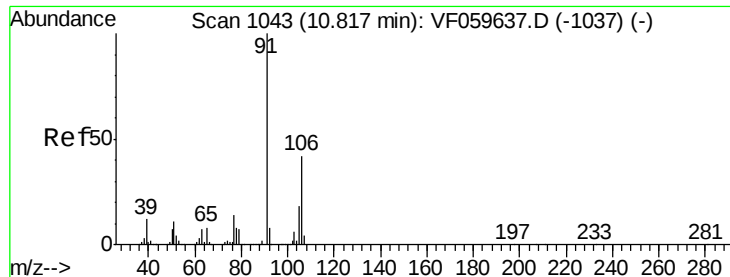
Tgt Ion: 91 Resp: 545886
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.0



#68
m/p-Xylenes
Concen: 97.693 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion: 106 Resp: 374370
Ion Ratio Lower Upper
106 100
91 223.4 177.8 266.8

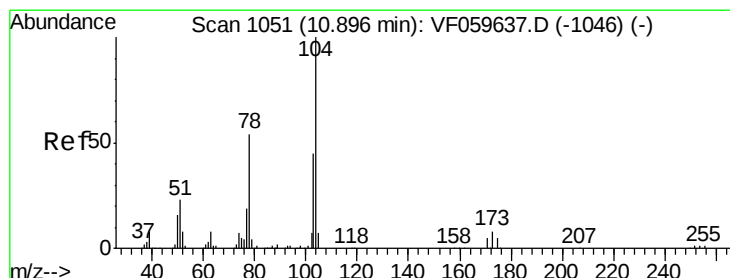
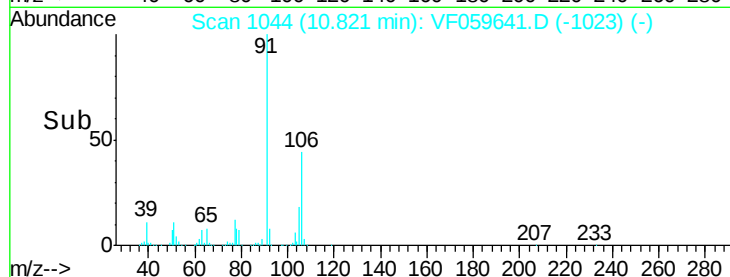
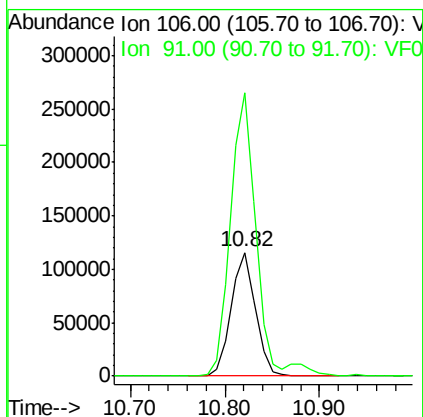
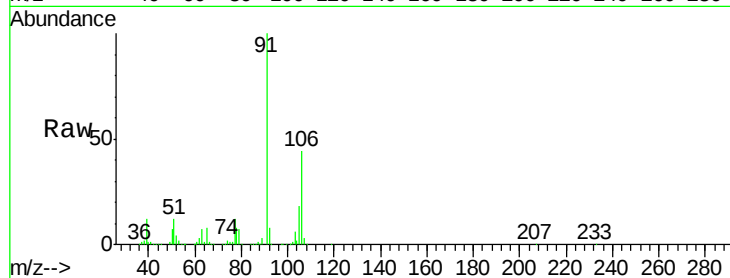




#69
o-Xylene
Concen: 50.774 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

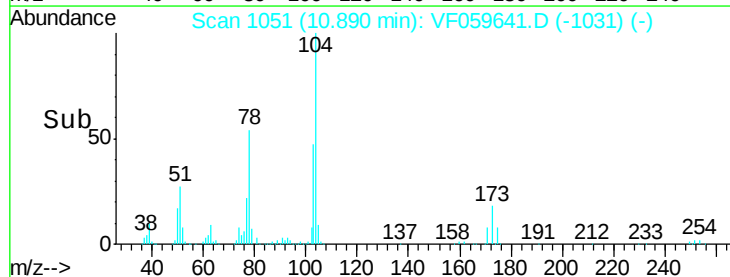
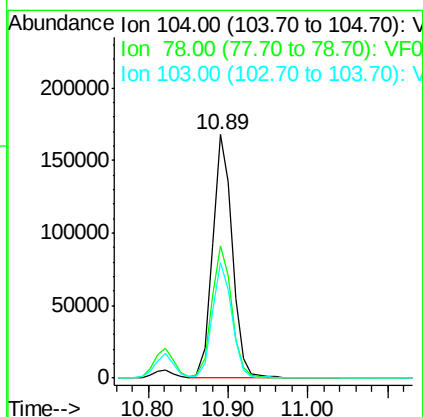
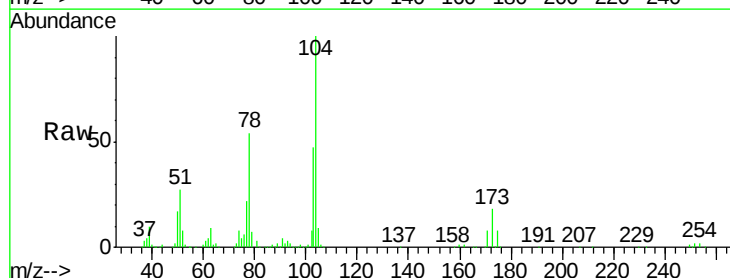
Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

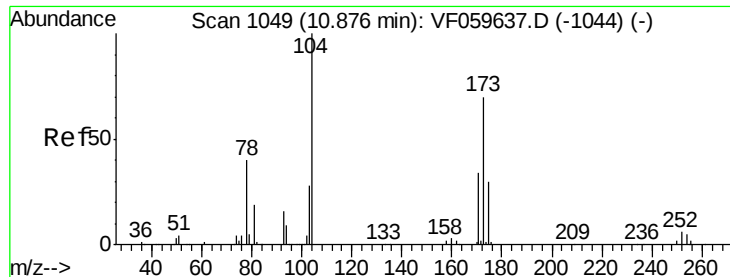
Tgt Ion:106 Resp: 207123
Ion Ratio Lower Upper
106 100
91 228.4 119.3 357.9



#70
Styrene
Concen: 49.672 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion:104 Resp: 292624
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.2
103 47.4 36.7 55.1





#71

Bromoform

Concen: 50.141 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

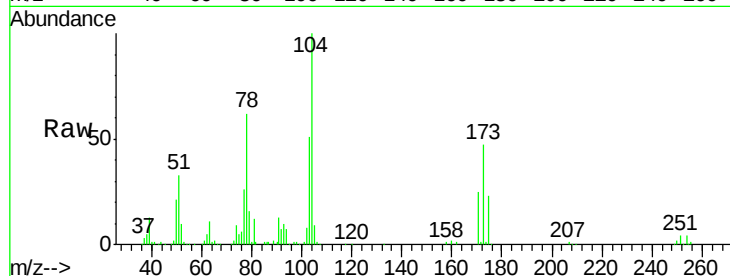
Tgt Ion:173 Resp: 78098

Ion Ratio Lower Upper

173 100

175 49.1 21.6 65.0

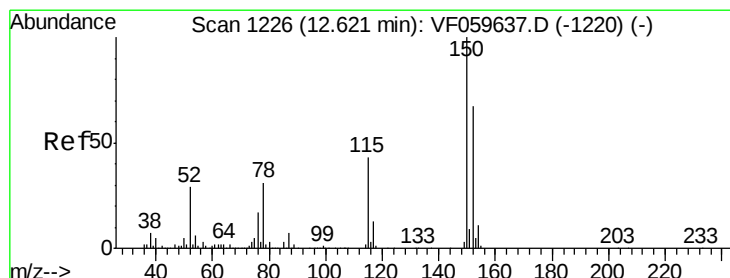
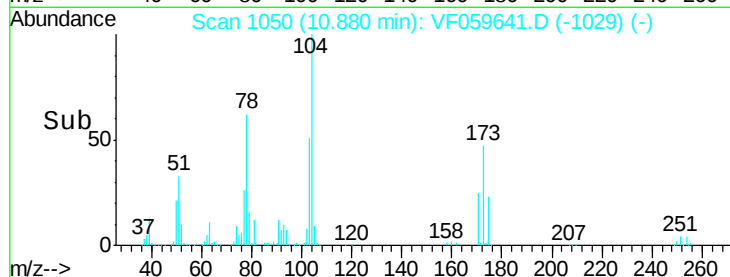
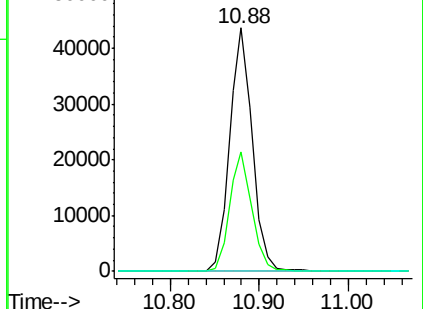
254 0.3 0.0 0.0#



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: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

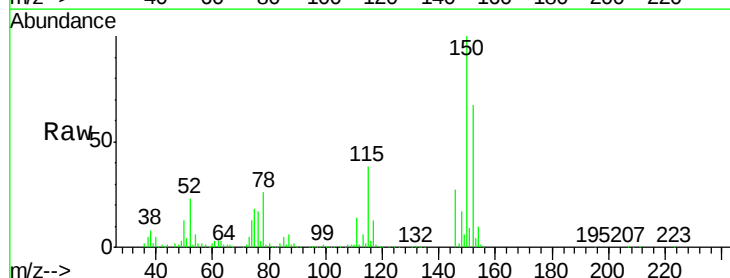
Tgt Ion:152 Resp: 203329

Ion Ratio Lower Upper

152 100

115 56.6 32.0 96.2

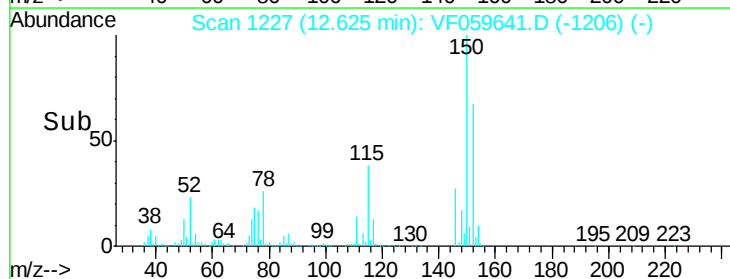
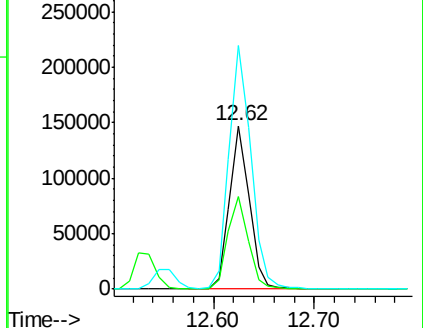
150 149.0 0.0 313.2

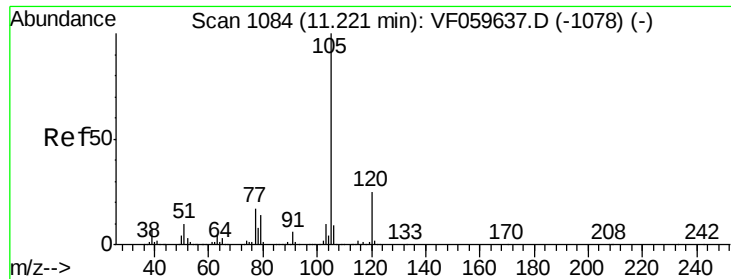


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.656 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

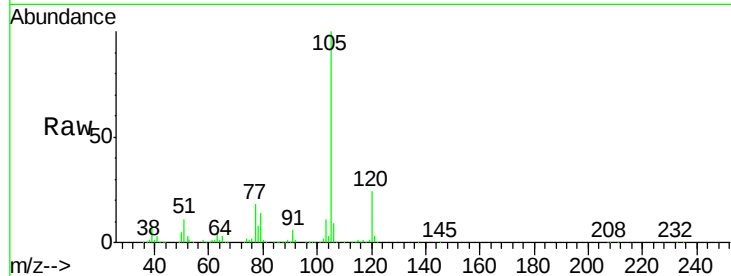
VICVVF072418

Tgt Ion:105 Resp: 672890

Ion Ratio Lower Upper

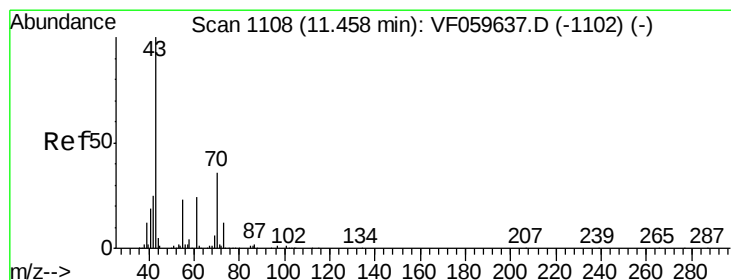
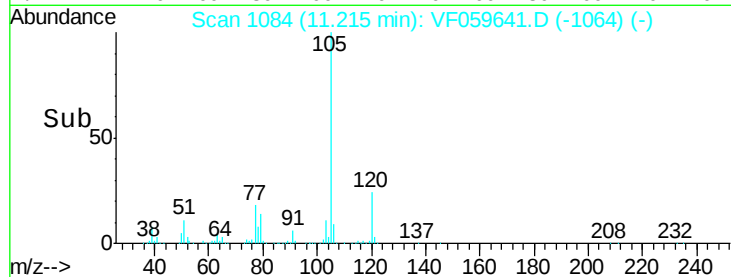
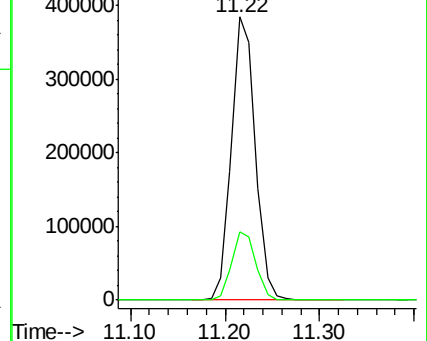
105 100

120 24.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.597 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion: 43 Resp: 152340

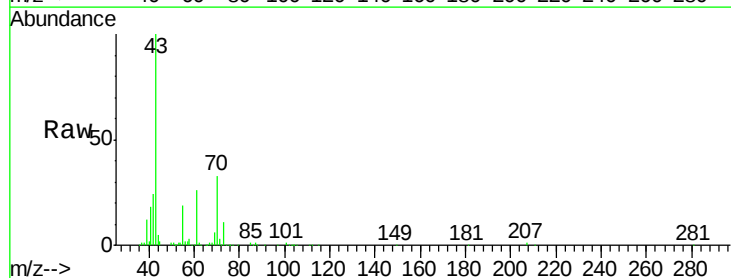
Ion Ratio Lower Upper

43 100

70 32.8 29.4 44.0

55 18.8 18.2 27.4

61 26.1 18.9 28.3

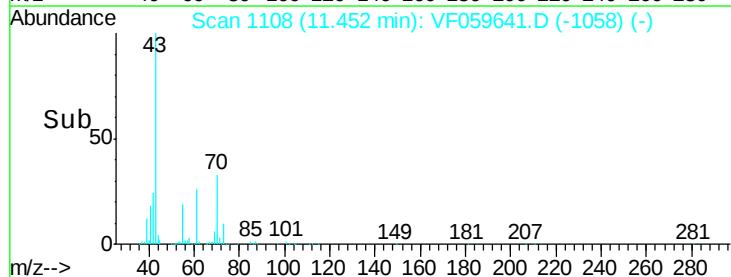
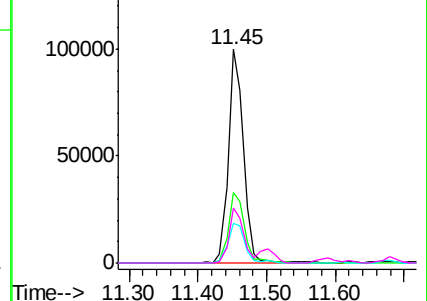


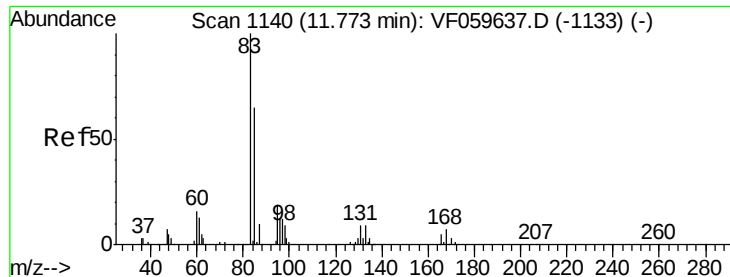
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.305 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

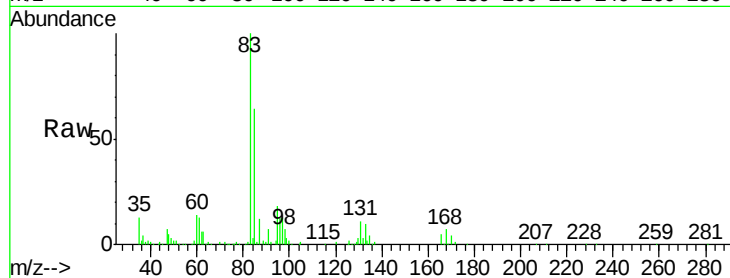
Tgt Ion: 83 Resp: 95416

Ion Ratio Lower Upper

83 100

131 10.8 4.5 13.5

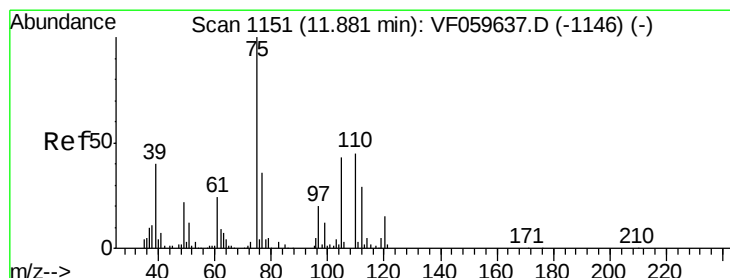
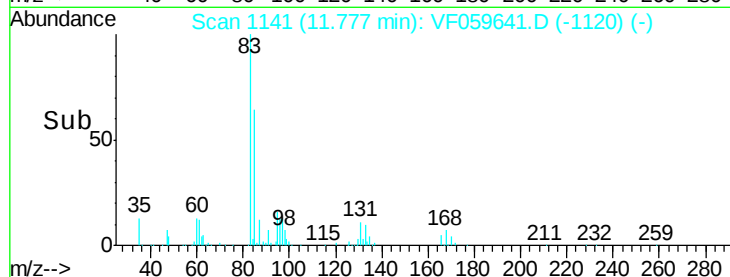
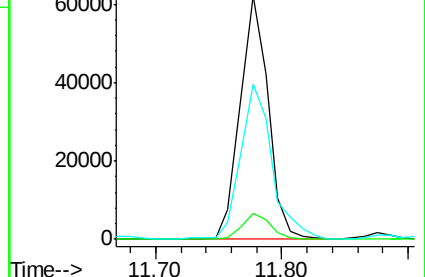
85 64.0 32.6 97.7



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: 49.924 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059641.D

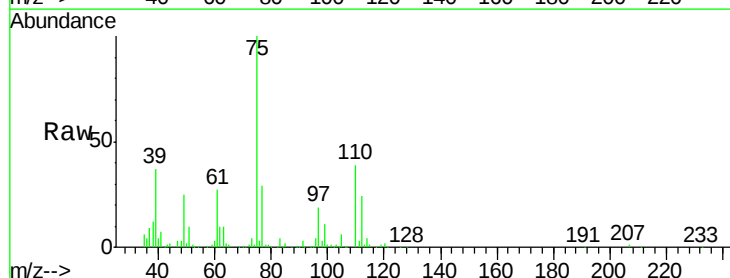
Acq: 24 Jul 2018 19:49

Tgt Ion: 75 Resp: 79801

Ion Ratio Lower Upper

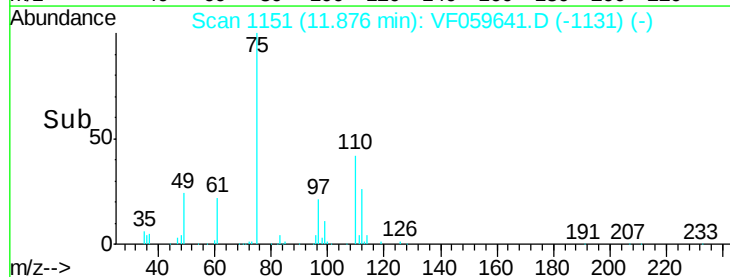
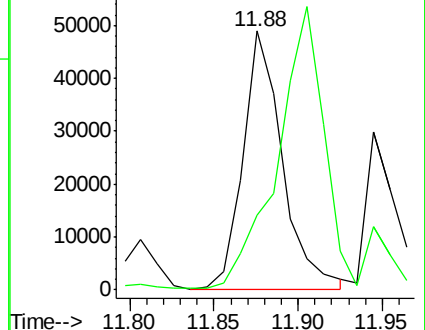
75 100

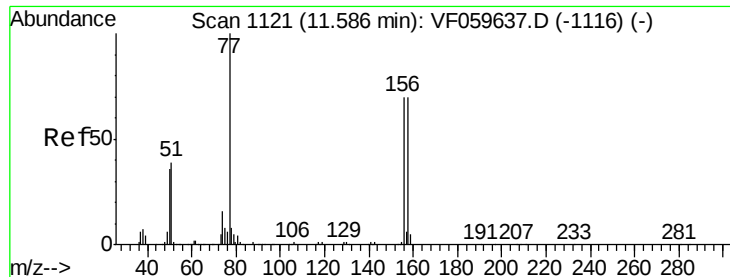
77 29.1 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.958 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

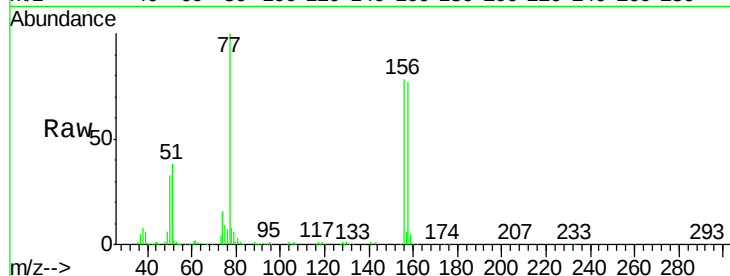
Tgt Ion: 156 Resp: 156179

Ion Ratio Lower Upper

156 100

77 128.9 71.5 214.3

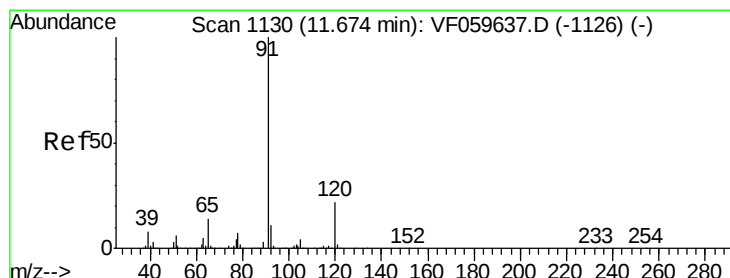
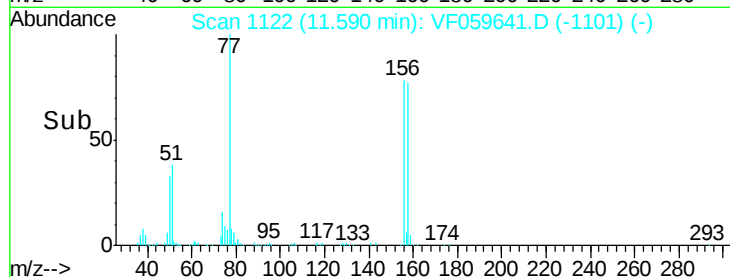
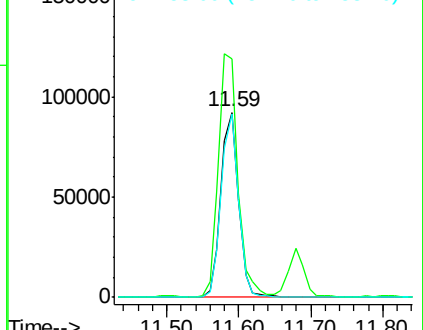
158 99.1 50.0 149.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 49.165 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059641.D

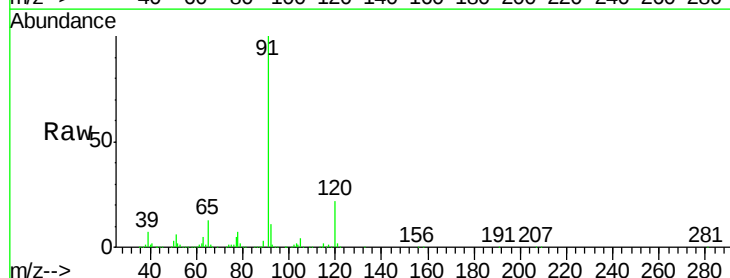
Acq: 24 Jul 2018 19:49

Tgt Ion: 91 Resp: 747866

Ion Ratio Lower Upper

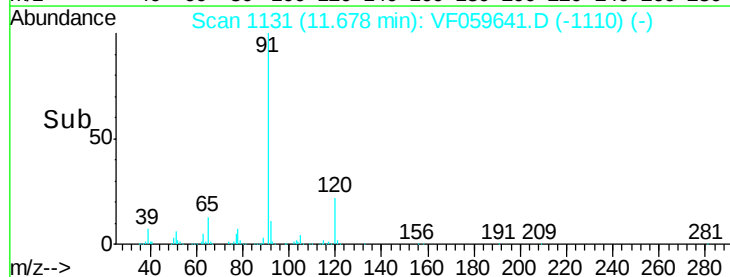
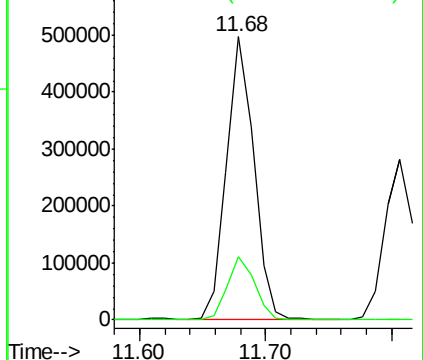
91 100

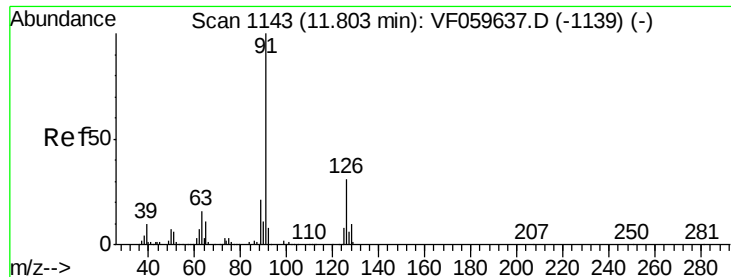
120 22.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.675 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

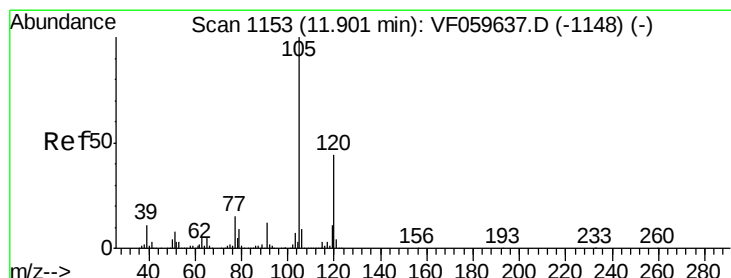
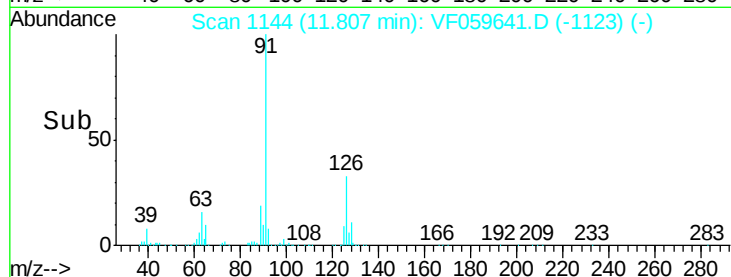
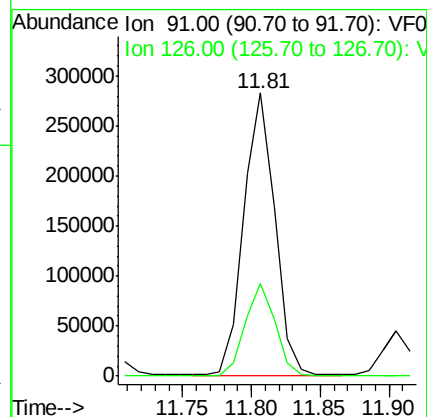
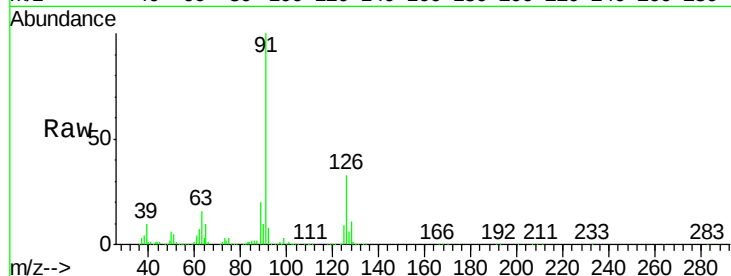
VICVF072418

Tgt Ion: 91 Resp: 445616

Ion Ratio Lower Upper

91 100

126 32.8 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 49.128 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059641.D

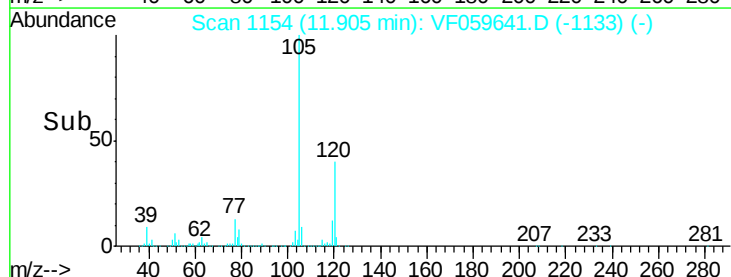
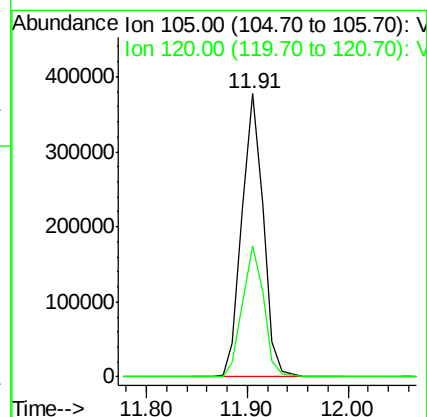
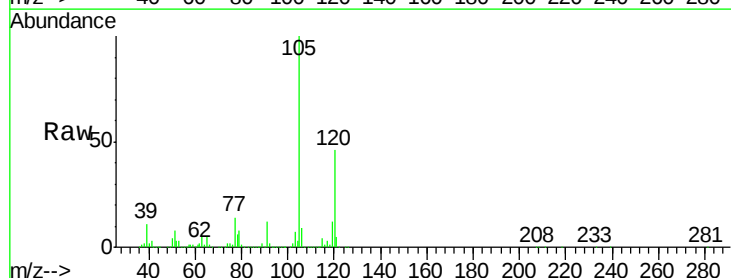
Acq: 24 Jul 2018 19:49

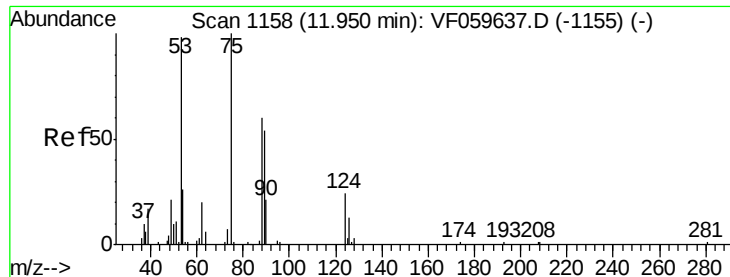
Tgt Ion: 105 Resp: 557755

Ion Ratio Lower Upper

105 100

120 46.1 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.687 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

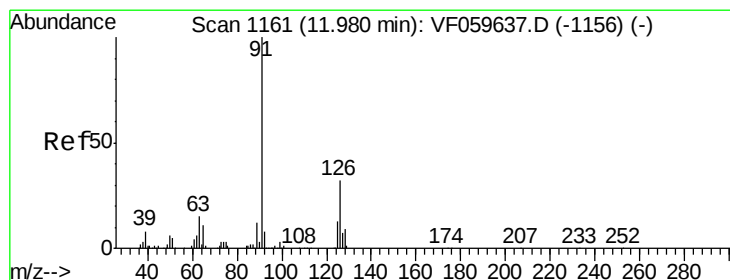
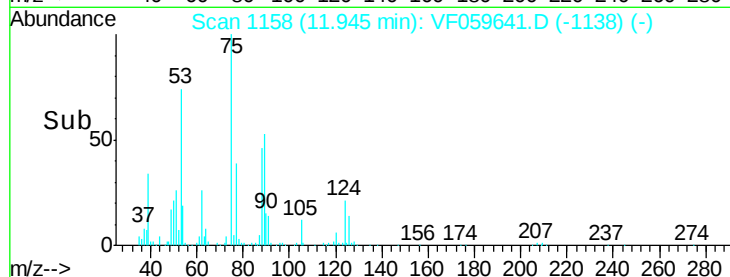
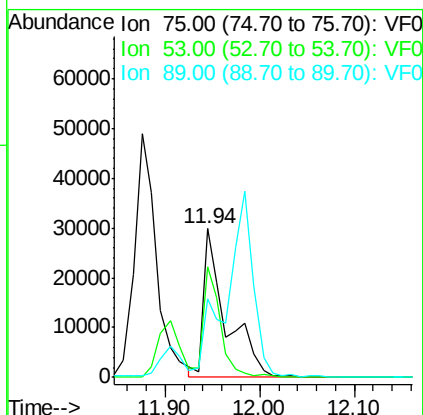
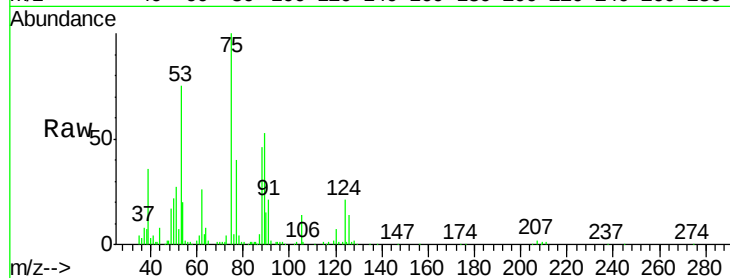
Tgt Ion: 75 Resp: 50855

Ion Ratio Lower Upper

75 100

53 74.7 82.3 123.5#

89 52.7 48.2 72.2



#82

4-Chlorotoluene

Concen: 48.578 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059641.D

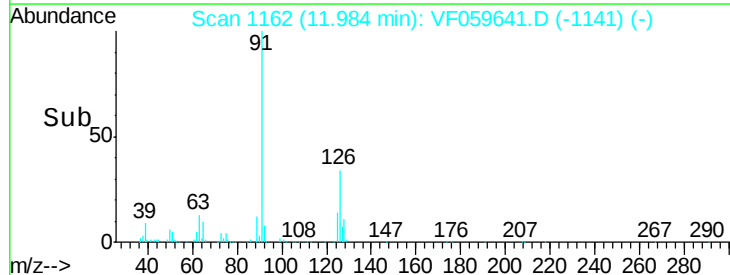
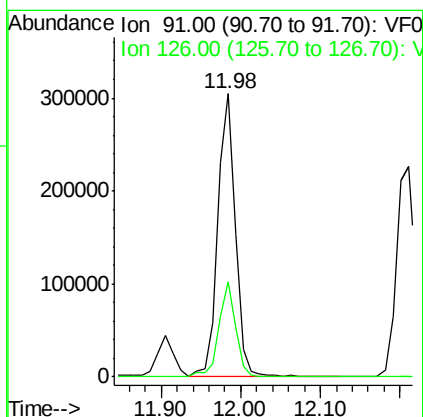
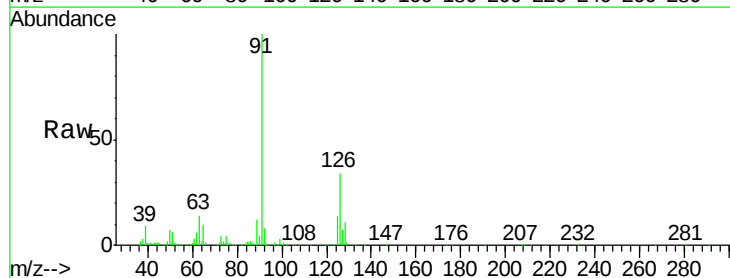
Acq: 24 Jul 2018 19:49

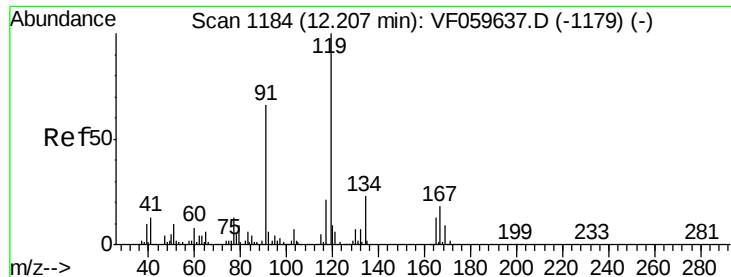
Tgt Ion: 91 Resp: 474568

Ion Ratio Lower Upper

91 100

126 33.7 16.1 48.2

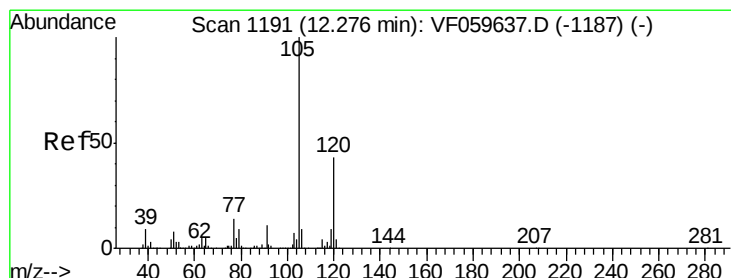
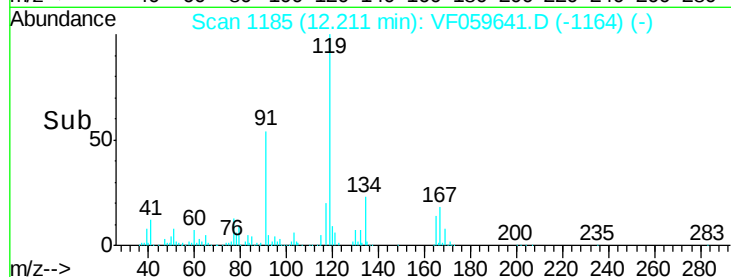
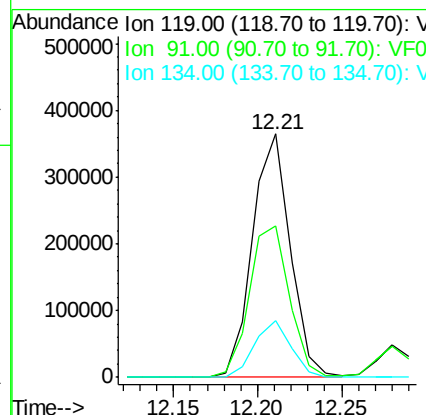
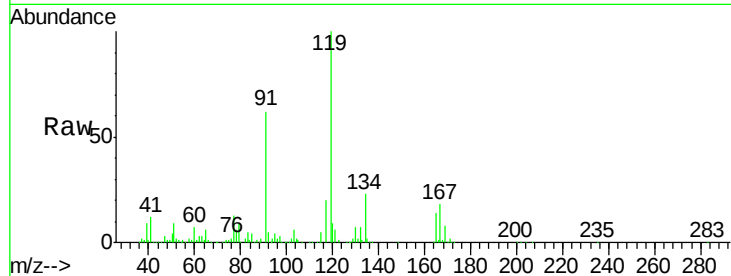




#83
tert-Butylbenzene
Concen: 49.645 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

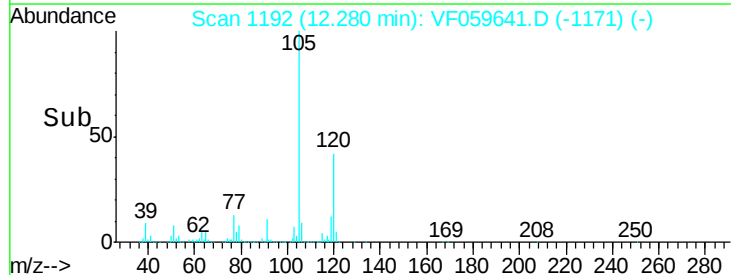
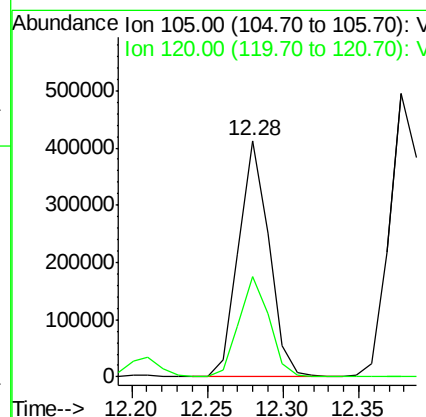
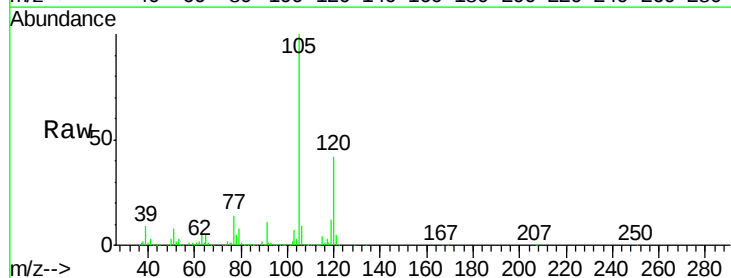
Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

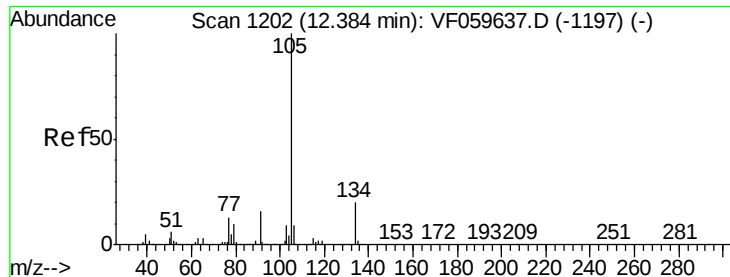
Tgt Ion:119 Resp: 568239
Ion Ratio Lower Upper
119 100
91 62.2 33.2 99.6
134 23.5 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 49.499 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion:105 Resp: 576787
Ion Ratio Lower Upper
105 100
120 42.4 21.4 64.2

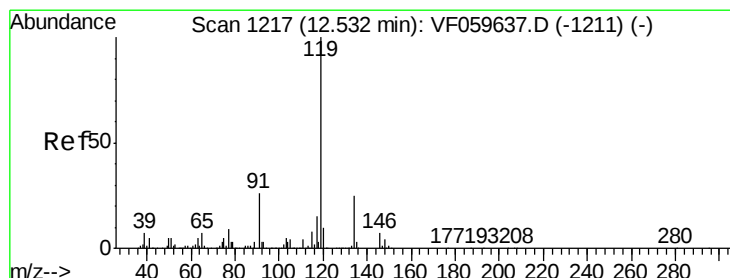
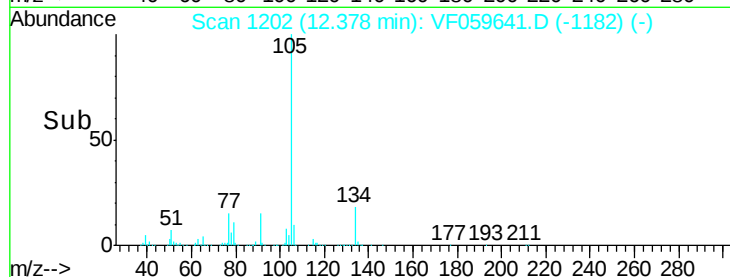
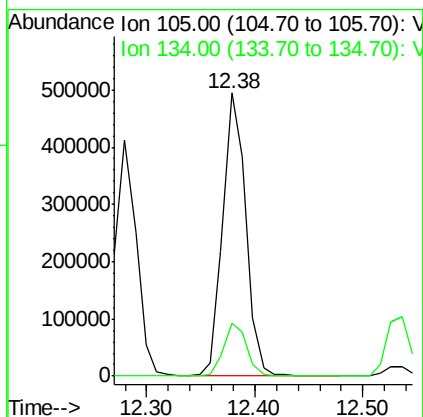
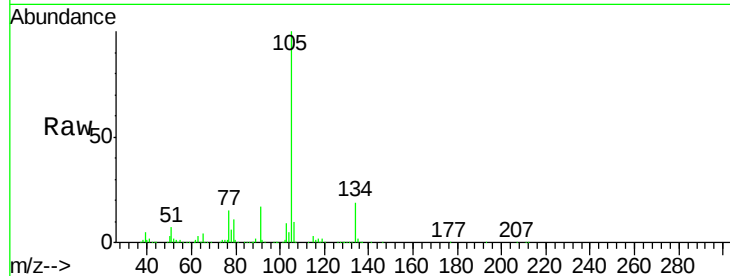




#85
 sec-Butylbenzene
 Concen: 48.220 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

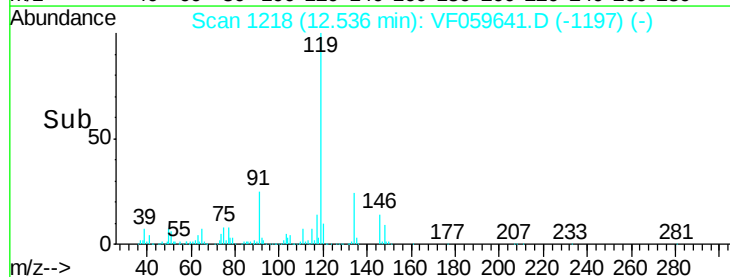
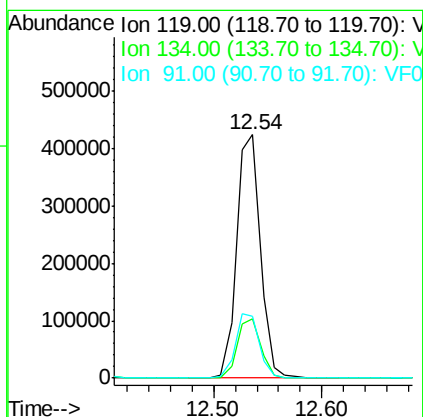
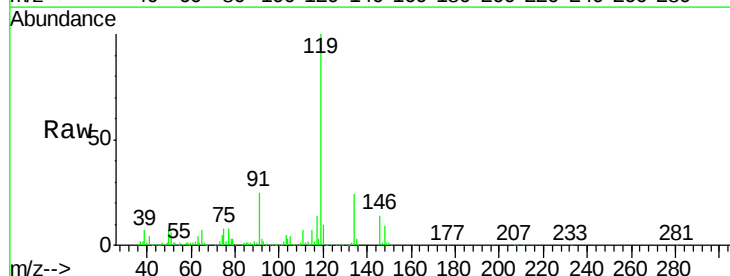
Instrument :
 MSVOA_F
 ClientSampleId :
 VICVF072418

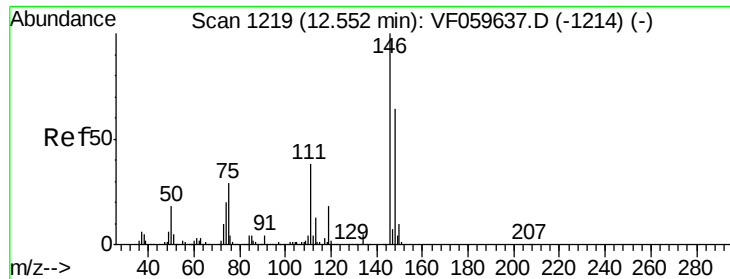
Tgt Ion:105 Resp: 735848
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 48.723 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion:119 Resp: 647274
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.4 37.0
 91 25.3 13.1 39.1

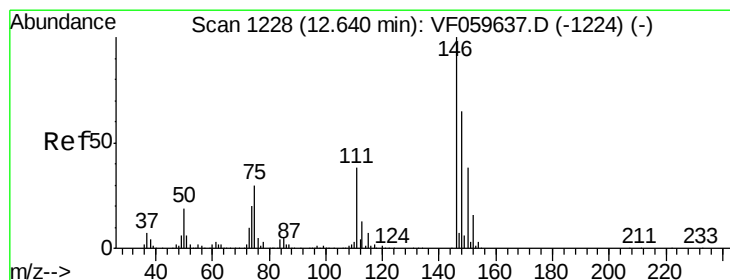
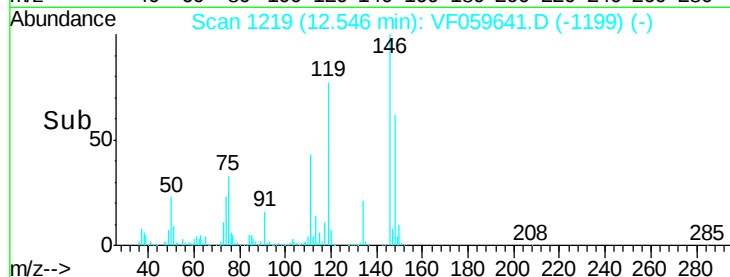
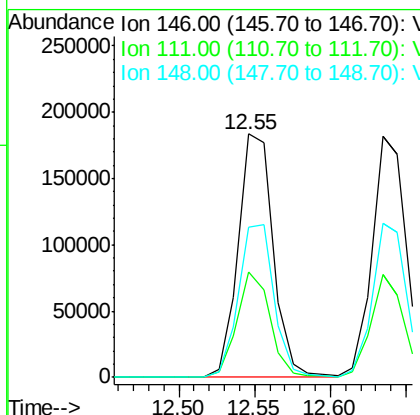
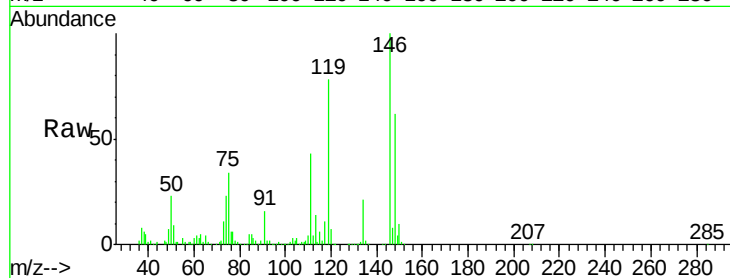




#87
 1,3-Dichlorobenzene
 Concen: 54.537 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

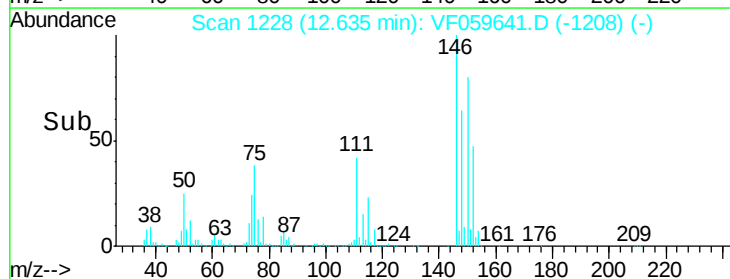
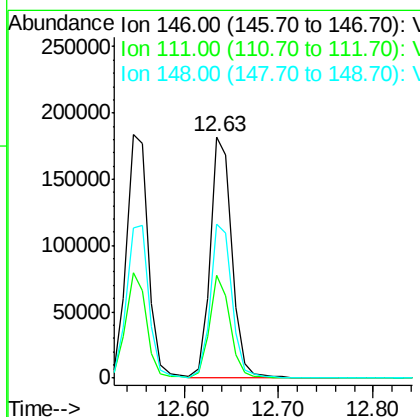
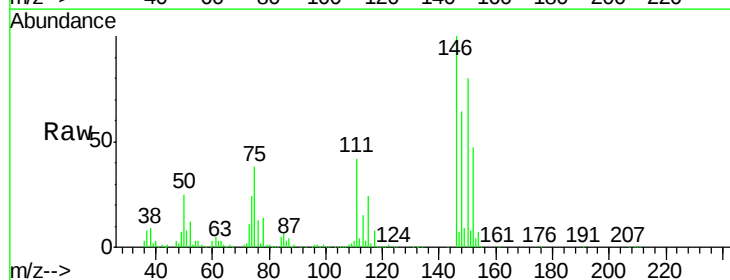
Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

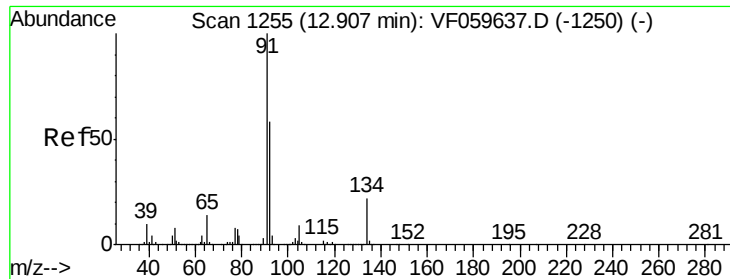
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.1	57.1
148	61.7	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 47.901 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.1	57.1
148	63.8	32.4	97.2





#89

n-Butylbenzene

Concen: 54.554 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

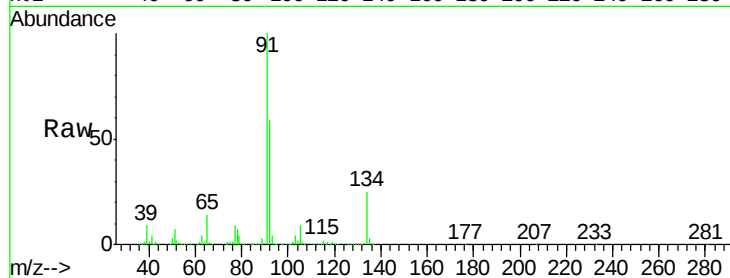
Tgt Ion: 91 Resp: 622723

Ion Ratio Lower Upper

91 100

92 58.9 29.1 87.3

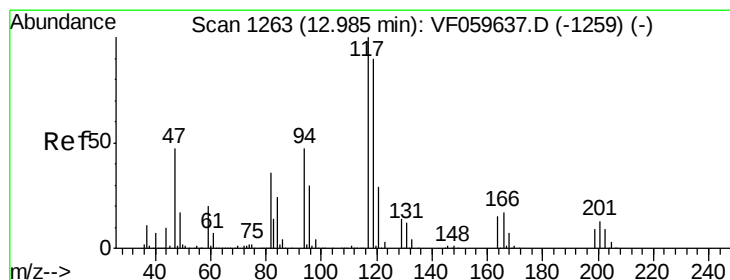
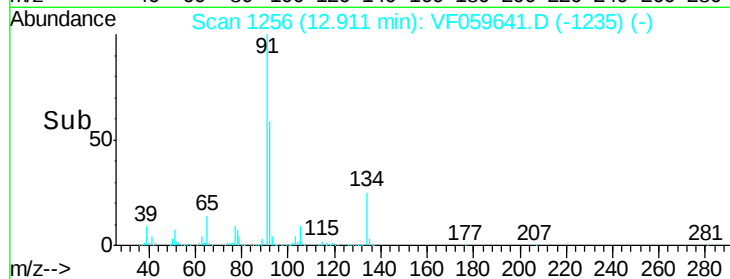
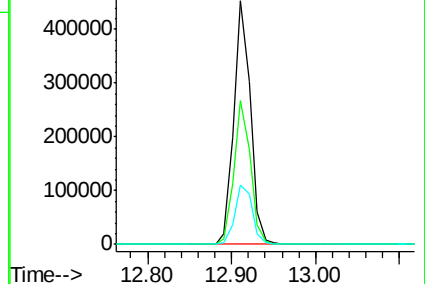
134 24.6 11.2 33.6



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: 49.421 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059641.D

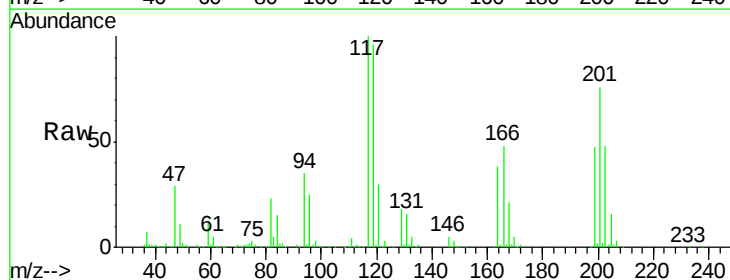
Acq: 24 Jul 2018 19:49

Tgt Ion: 117 Resp: 160160

Ion Ratio Lower Upper

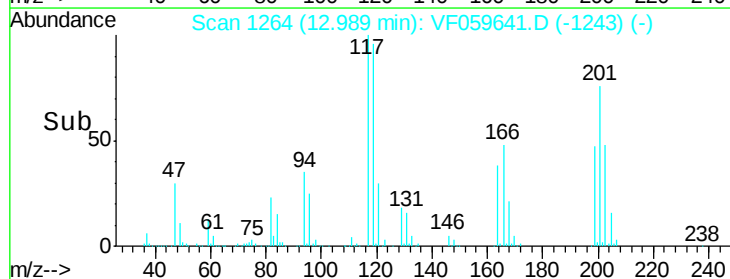
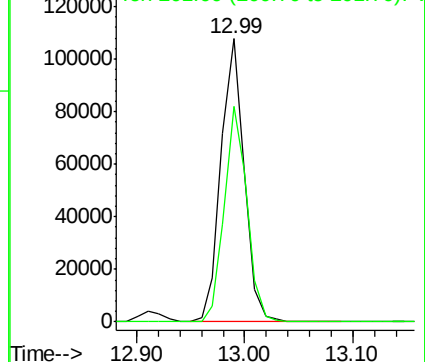
117 100

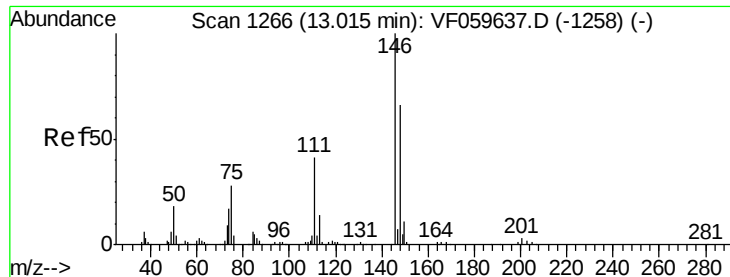
201 76.0 6.6 19.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 48.496 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

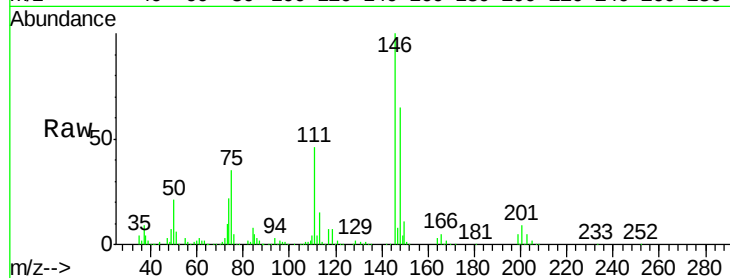
Tgt Ion:146 Resp: 283304

Ion Ratio Lower Upper

146 100

111 45.7 20.3 61.0

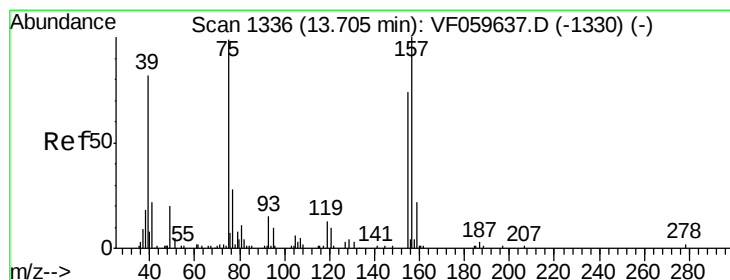
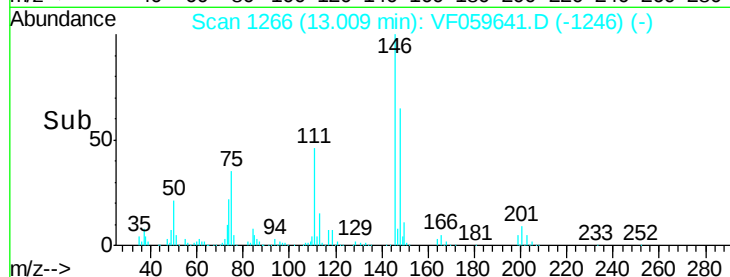
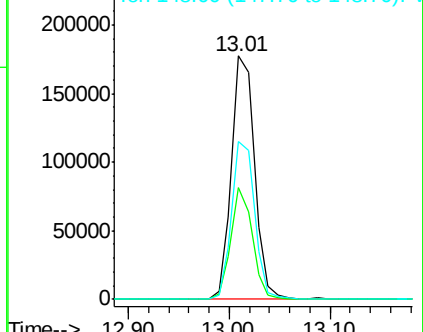
148 64.7 32.9 98.6



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: 50.182 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

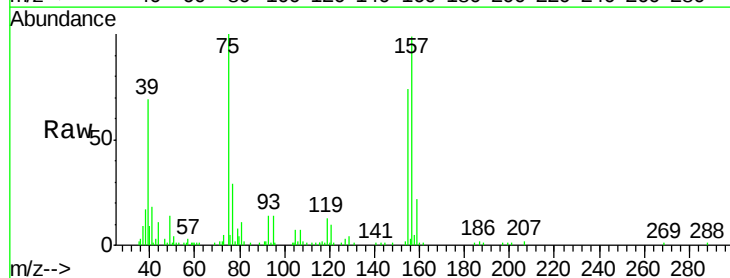
Tgt Ion: 75 Resp: 25042

Ion Ratio Lower Upper

75 100

155 73.9 37.5 112.7

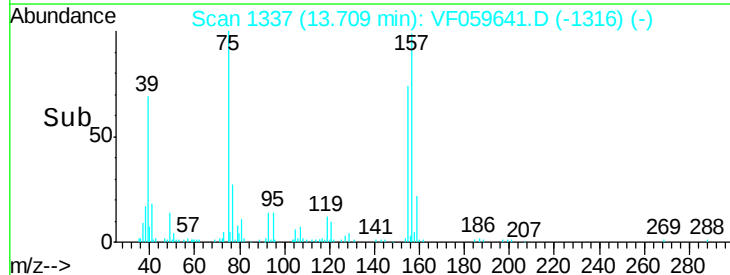
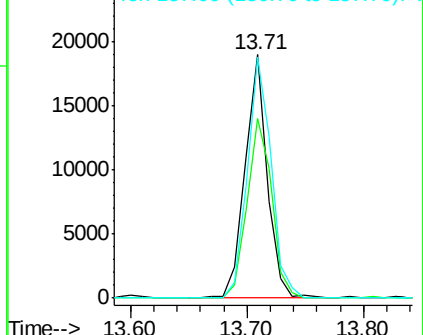
157 99.0 50.6 151.9

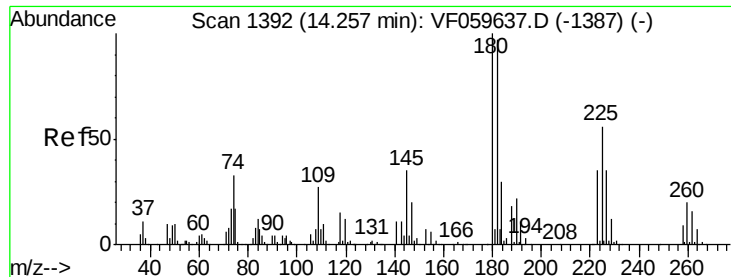


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

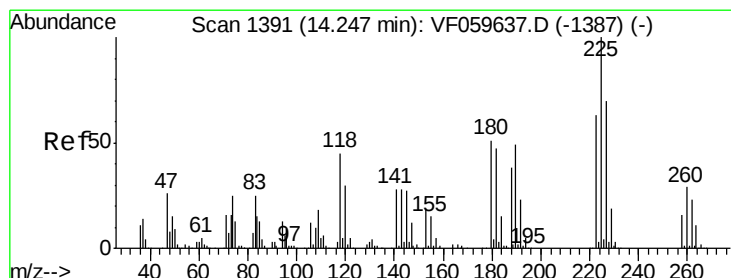
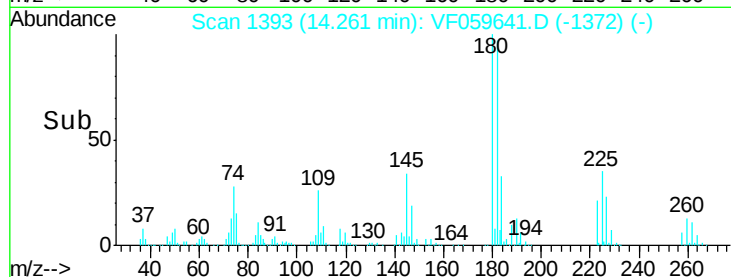
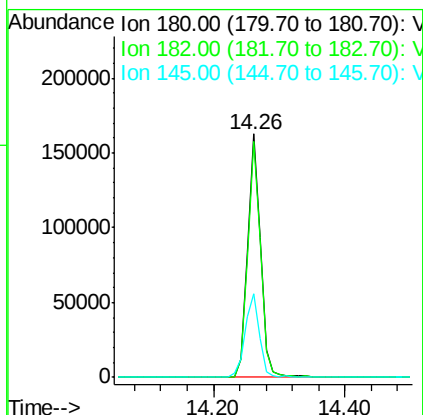
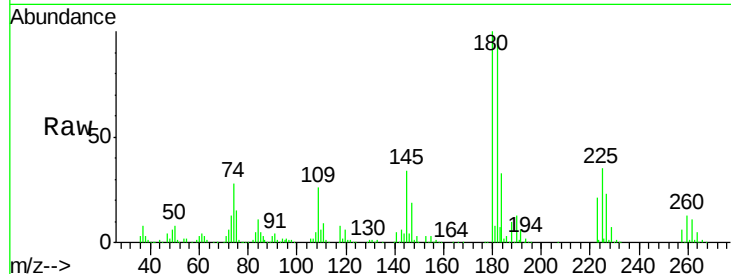




#93
 1,2,4-Trichlorobenzene
 Concen: 54.920 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

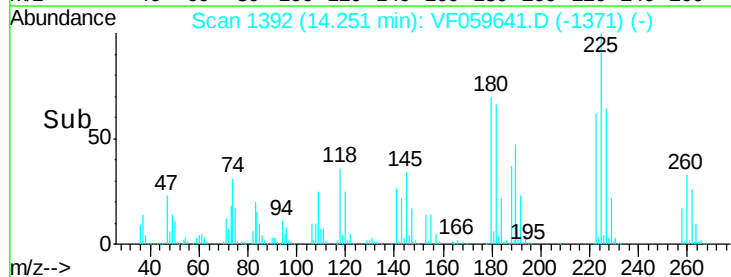
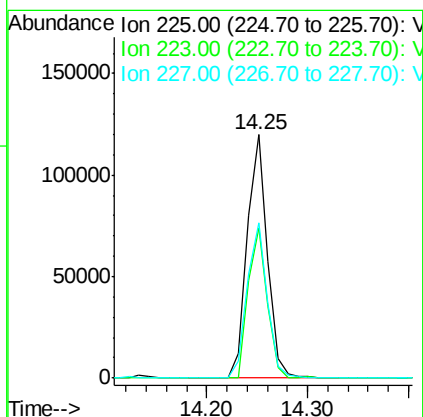
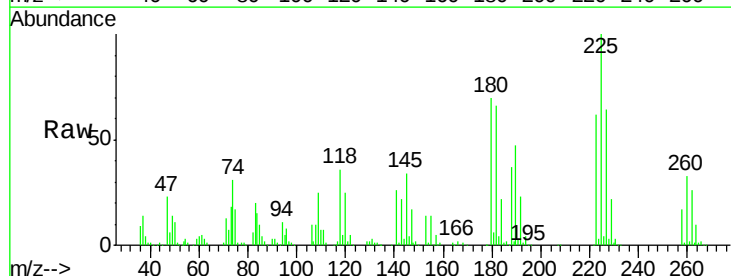
Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

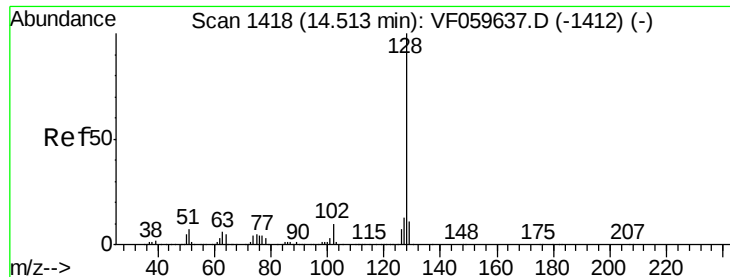
Tgt Ion:180 Resp: 226284
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.5 145.6
 145 34.3 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 49.762 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion:225 Resp: 167938
 Ion Ratio Lower Upper
 225 100
 223 61.6 33.3 99.8
 227 63.6 34.8 104.4

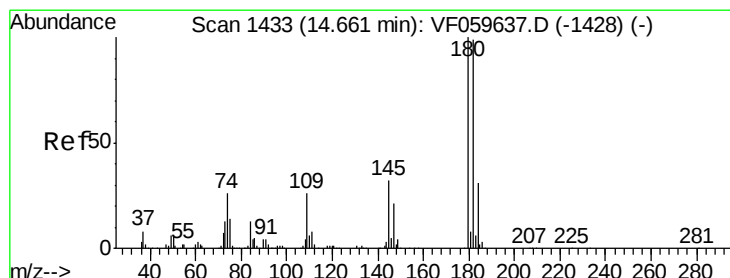
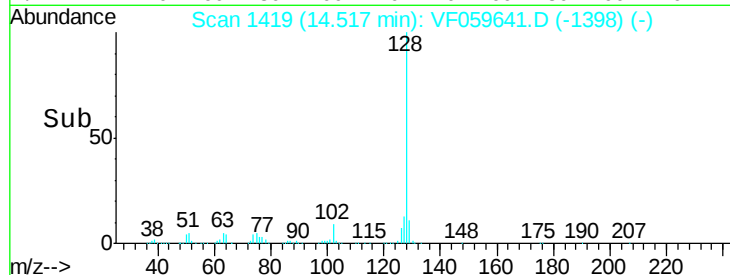
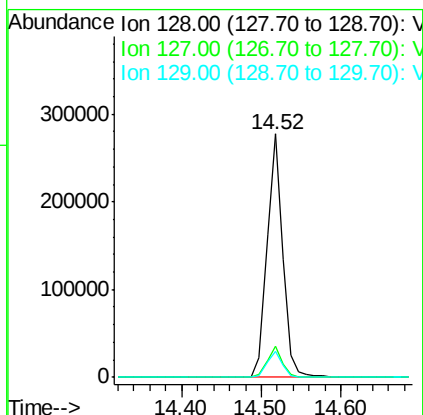
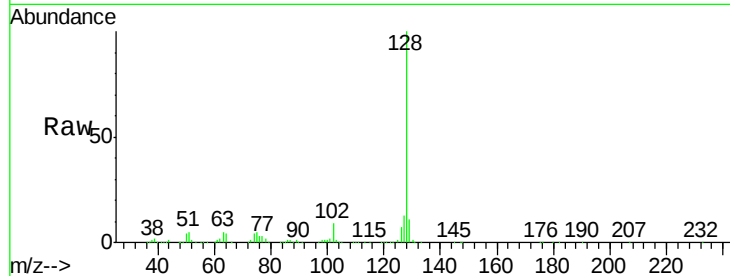




#95
Naphthalene
Concen: 52.176 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tgt Ion:128 Resp: 377681
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 51.747 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion:180 Resp: 213573
Ion Ratio Lower Upper
180 100
182 100.6 49.5 148.5
145 31.4 16.0 48.0

