

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
 Data File : VF061826.D
 Acq On : 4 Mar 2019 17:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Mar 05 04:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	310164	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	456968	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	405905	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	210258	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	167577	73.68	ug/l	0.00
Spiked Amount						
			Recovery	=	147.36%	
35) Dibromofluoromethane	4.12	113	232589	68.54	ug/l	0.00
Spiked Amount						
			Recovery	=	137.08%	
50) Toluene-d8	7.56	98	717224	73.52	ug/l	0.00
Spiked Amount						
			Recovery	=	147.04%	
62) 4-Bromofluorobenzene	11.41	95	273227	69.22	ug/l	0.00
Spiked Amount						
			Recovery	=	138.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	250665	70.374	ug/l	99
3) Chloromethane	1.10	50	242903	64.996	ug/l	96
4) Vinyl Chloride	1.14	62	235811	67.874	ug/l	97
5) Bromomethane	1.32	94	161704	67.627	ug/l	95
6) Chloroethane	1.40	64	109178	63.767	ug/l	99
7) Trichlorofluoromethane	1.48	101	222554	53.111	ug/l	92
8) Diethyl Ether	1.63	74	69256	65.583	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	193296	63.943	ug/l	94
10) Methyl Iodide	1.92	142	305794	52.956	ug/l	95
11) Tert butyl alcohol	2.58	59	44442	337.622	ug/l	94
12) 1,1-Dichloroethene	1.80	96	181112	68.144	ug/l	91
13) Acrolein	2.01	56	48422	292.689	ug/l	91
14) Allyl chloride	2.10	41	210106	64.422	ug/l	97
15) Acrylonitrile	2.94	53	142085	304.313	ug/l	91
16) Acetone	2.24	43	155624	318.901	ug/l	95
17) Carbon Disulfide	1.83	76	424902	50.860	ug/l	97
18) Methyl Acetate	2.35	43	66810	60.772	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	309615	68.163	ug/l	95
20) Methylene Chloride	2.19	84	62330	21.144	ug/l	98
21) trans-1,2-Dichloroethene	2.31	96	154864	53.600	ug/l	99
22) Diisopropyl ether	2.81	45	540022	68.979	ug/l	98
23) Vinyl Acetate	3.19	43	1251853	327.385	ug/l	98
24) 1,1-Dichloroethane	2.88	63	322206	68.009	ug/l	99
25) 2-Butanone	4.34	43	335615	314.851	ug/l	97
26) 2,2-Dichloropropane	3.60	77	136016	67.778	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	239465	63.145	ug/l	98
28) Bromochloromethane	3.72	49	136509	60.051	ug/l	99
29) Tetrahydrofuran	4.08	42	139598	288.139	ug/l	98
30) Chloroform	3.86	83	372859	69.204	ug/l	97
31) Cyclohexane	3.69	56	194511	37.925	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	219420	62.170	ug/l	99
36) 1,1-Dichloropropene	4.29	75	316258	69.863	ug/l	97
37) Ethyl Acetate	4.12	43	124932	59.418	ug/l #	76
38) Carbon Tetrachloride	4.00	117	223532	71.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	370700	69.242	ug/l	98
40) Benzene	4.64	78	812795	68.644	ug/l	100
41) Methacrylonitrile	4.75	41	68198	63.424	ug/l	94
42) 1,2-Dichloroethane	4.95	62	200275	70.710	ug/l	93
43) Isopropyl Acetate	6.97	43	157972	63.473	ug/l #	98
44) Trichloroethene	5.51	130	246724	64.436	ug/l	95
45) 1,2-Dichloropropane	6.24	63	195585	68.336	ug/l	98
46) Dibromomethane	6.09	93	124281	70.525	ug/l	93
47) Bromodichloromethane	6.39	83	275219	71.318	ug/l	100
48) Methyl methacrylate	6.72	41	100238	66.926	ug/l	95
49) 1,4-Dioxane	6.71	88	18380	1305.438	ug/l #	92
51) 4-Methyl-2-Pentanone	8.26	43	516852	290.637	ug/l	100
52) Toluene	7.63	92	456032	63.504	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	215903	67.223	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	311735	72.869	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	136018	64.467	ug/l	94
56) Ethyl methacrylate	8.62	69	152824	65.057	ug/l	91
57) 1,3-Dichloropropane	8.86	76	229349	65.125	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	129895	320.492	ug/l	89
59) 2-Hexanone	9.49	43	373440	299.574	ug/l	99
60) Dibromochloromethane	8.72	129	201995	68.783	ug/l	100
61) 1,2-Dibromoethane	8.99	107	152673	66.714	ug/l	94
64) Tetrachloroethene	8.16	164	221453	66.747	ug/l	98
65) Chlorobenzene	9.81	112	555484	67.440	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	210264	65.146	ug/l	97
67) Ethyl Benzene	9.91	91	867723	63.349	ug/l	98
68) m/p-Xylenes	10.14	106	698891	133.319	ug/l	84
69) o-Xylene	10.71	106	365371	65.317	ug/l	94
70) Styrene	10.79	104	504469	63.749	ug/l	100
71) Bromoform	10.77	173	111462	63.597	ug/l	97
73) Isopropylbenzene	11.13	105	1042867	69.664	ug/l	98
74) N-amyl acetate	11.38	43	231405	64.402	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	170188	63.457	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	118109	64.774	ug/l	95
77) Bromobenzene	11.50	156	241514	65.305	ug/l	95
78) n-propylbenzene	11.59	91	1114873	64.899	ug/l	97
79) 2-Chlorotoluene	11.72	91	661302	68.737	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	817993	68.368	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	72708	83.174	ug/l	95
82) 4-Chlorotoluene	11.90	91	663855	66.480	ug/l	95
83) tert-Butylbenzene	12.13	119	881754	66.537	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	809257	68.081	ug/l	99
85) sec-Butylbenzene	12.31	105	1135249	66.245	ug/l	97
86) p-Isopropyltoluene	12.46	119	948854	65.974	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	446065	61.869	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	457468	65.977	ug/l	97
89) n-Butylbenzene	12.84	91	881331	64.896	ug/l	90
90) Hexachloroethane	12.91	117	246393	73.662	ug/l	80
91) 1,2-Dichlorobenzene	12.94	146	435755	63.543	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	30585	71.929	ug/l	92

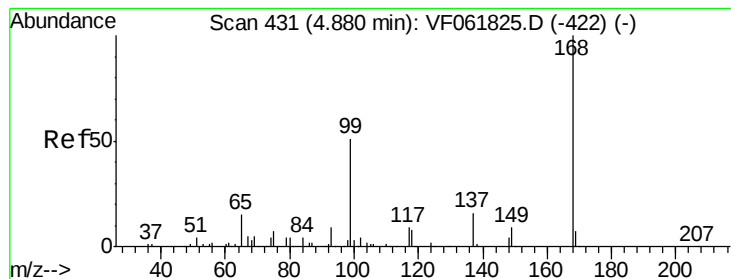
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	294694	59.953	ug/l	99
94) Hexachlorobutadiene	14.20	225	202347	66.655	ug/l	99
95) Naphthalene	14.46	128	588157	68.389	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	299547	66.395	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

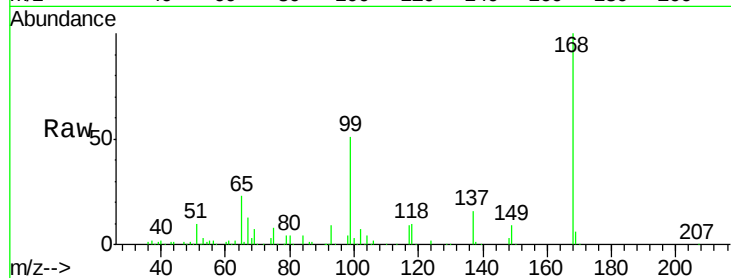
VSTDIC075

Tot Ion:168 Resp: 310164

Ion Ratio Lower Upper

168 100

99 50.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

100000

80000

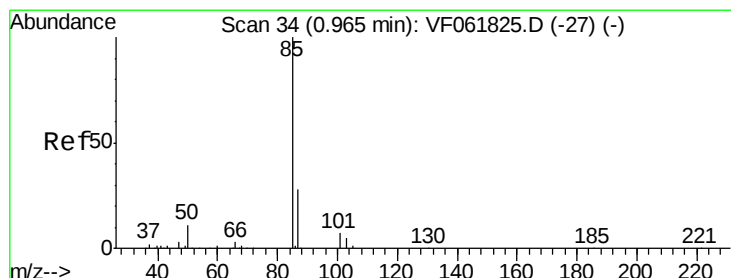
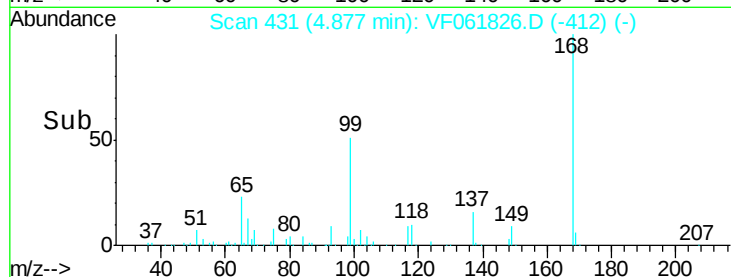
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 70.374 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061826.D

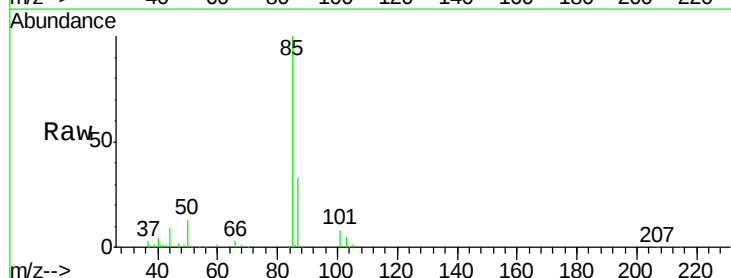
Acq: 4 Mar 2019 17:58

Tgt Ion: 85 Resp: 250665

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

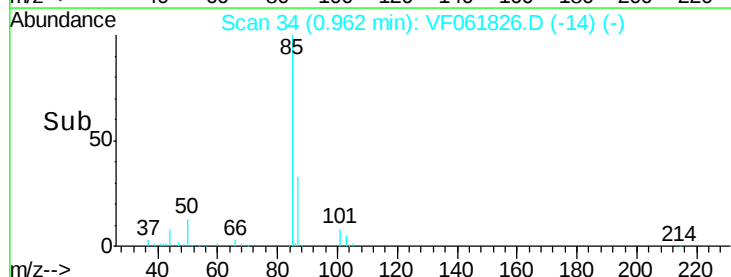
60000

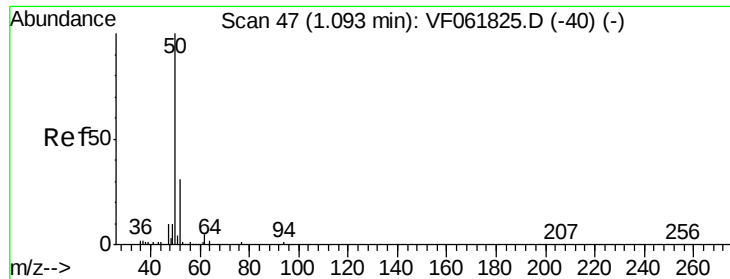
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 64.996 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

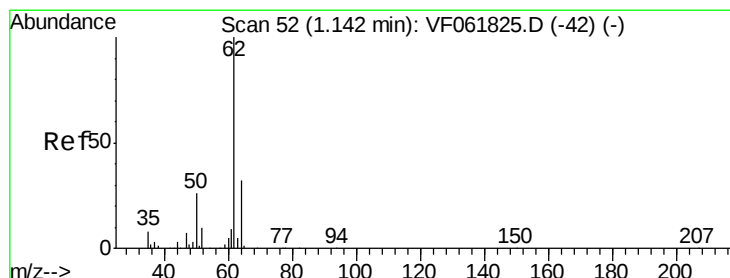
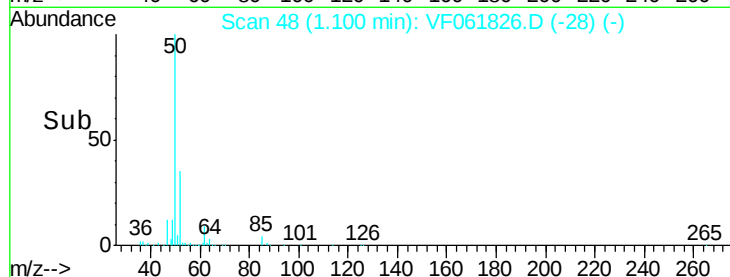
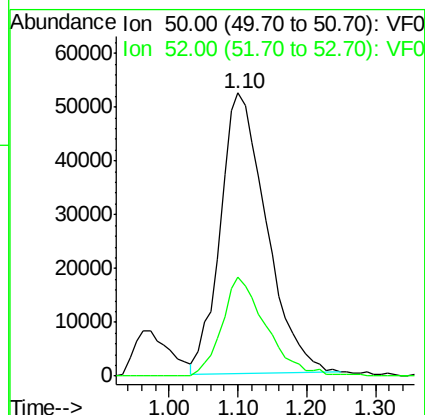
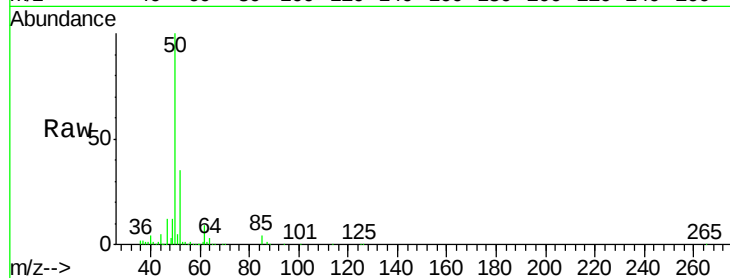
VSTDIC075

Tot Ion: 50 Resp: 242903

Ion Ratio Lower Upper

50 100

52 34.9 26.2 39.4



#4

Vinyl Chloride

Concen: 67.874 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061826.D

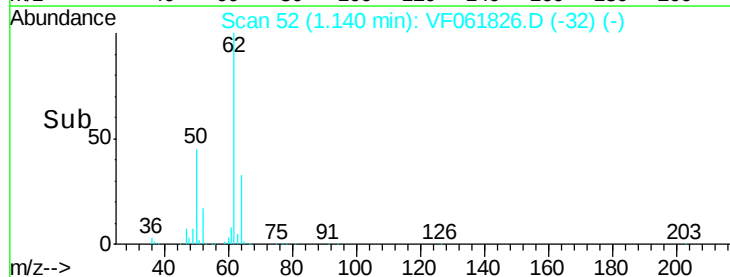
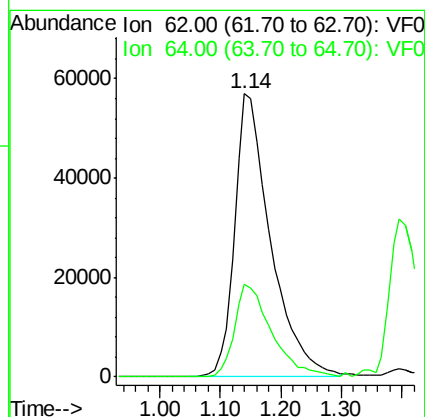
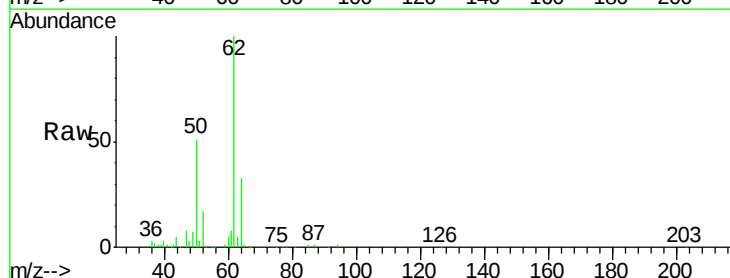
Acq: 4 Mar 2019 17:58

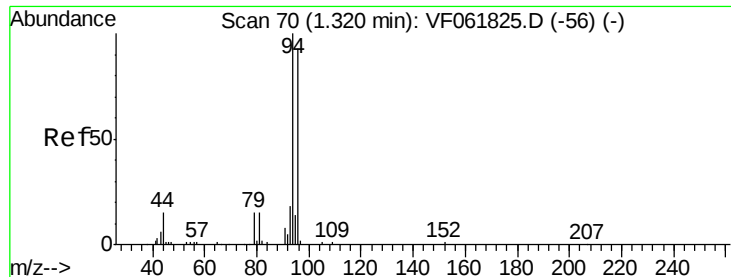
Tgt Ion: 62 Resp: 235811

Ion Ratio Lower Upper

62 100

64 32.8 27.5 41.3





#5

Bromomethane

Concen: 67.627 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

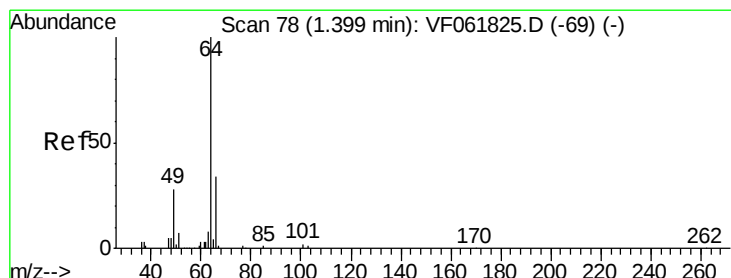
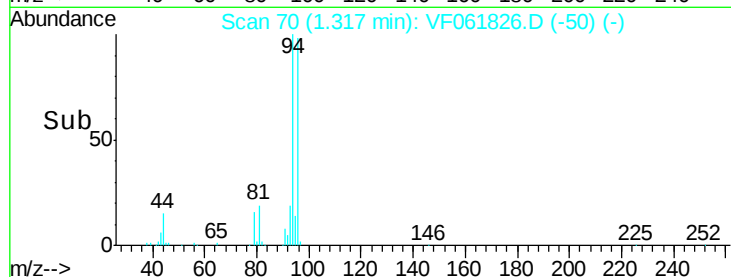
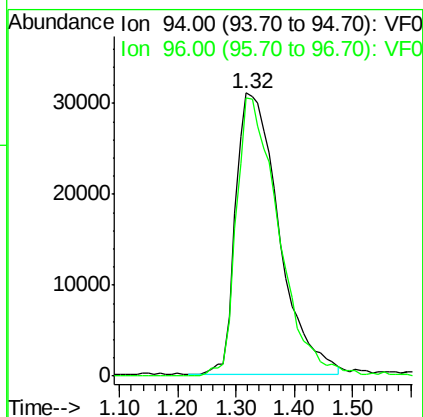
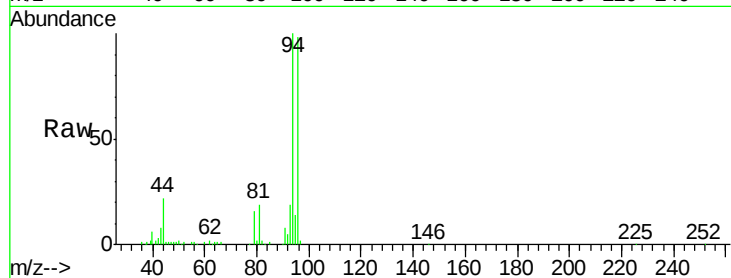
VSTDIC075

Tot Ion: 94 Resp: 161704

Ion Ratio Lower Upper

94 100

96 98.3 74.6 112.0



#6

Chloroethane

Concen: 63.767 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061826.D

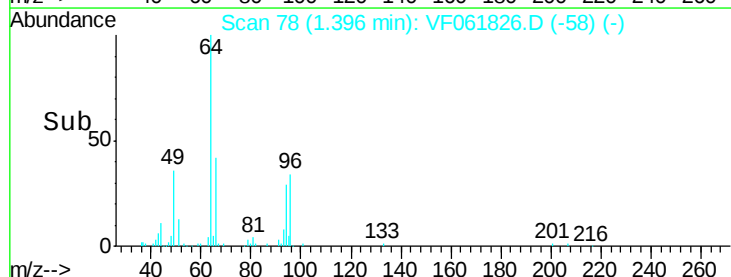
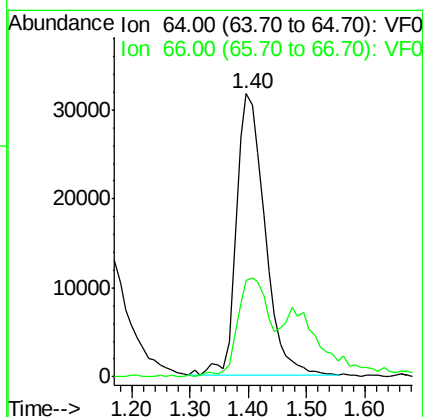
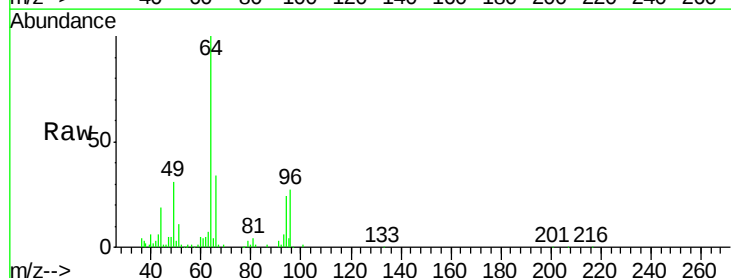
Acq: 4 Mar 2019 17:58

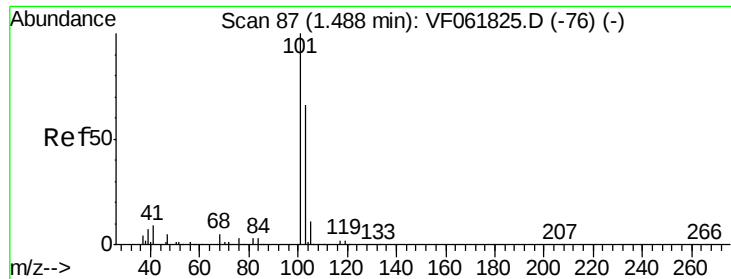
Tgt Ion: 64 Resp: 109178

Ion Ratio Lower Upper

64 100

66 34.2 27.9 41.9





#7

Trichlorofluoromethane

Concen: 53.111 ug/l

RT: 1.48 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

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ClientSampleId :

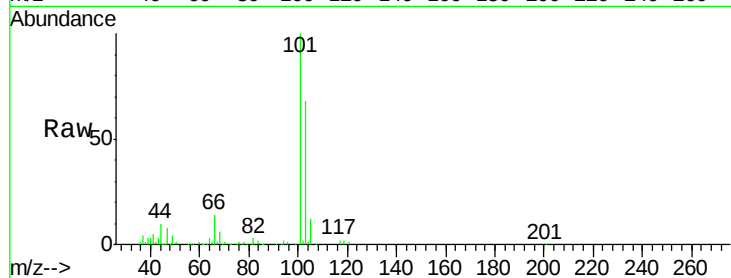
VSTDIC075

Tot Ion:101 Resp: 222554

Ion Ratio Lower Upper

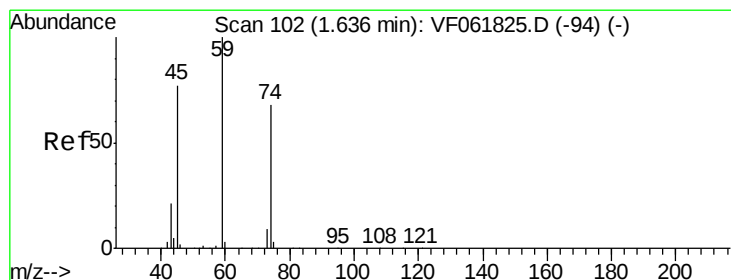
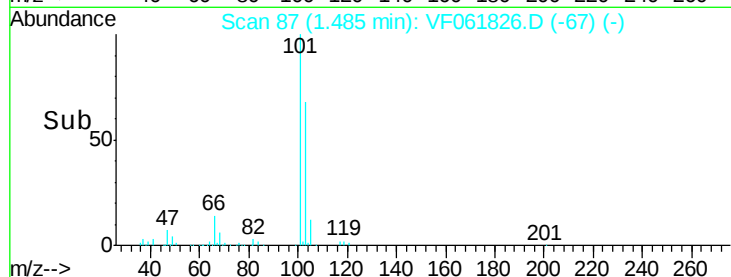
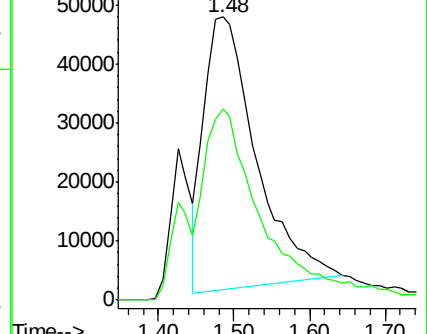
101 100

103 67.5 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 65.583 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061826.D

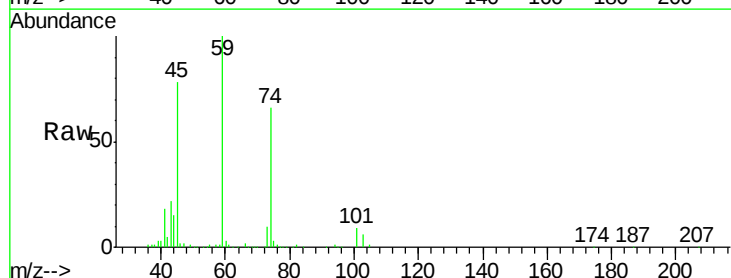
Acq: 4 Mar 2019 17:58

Tgt Ion: 74 Resp: 69256

Ion Ratio Lower Upper

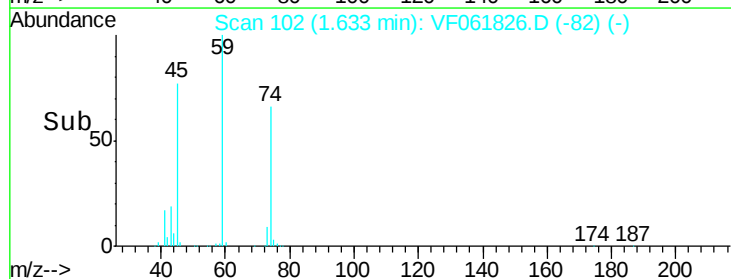
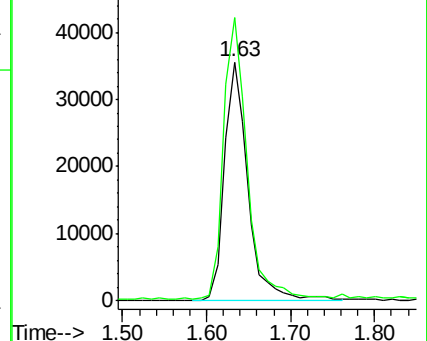
74 100

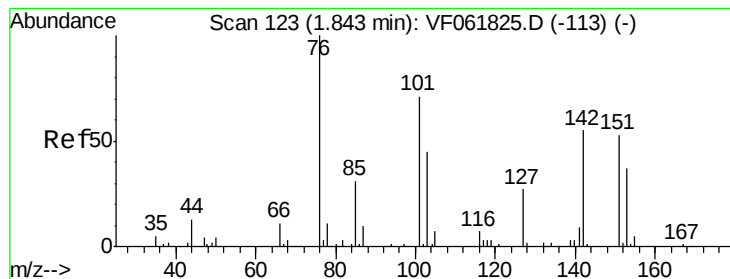
45 118.5 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.943 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

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VSTDIC075

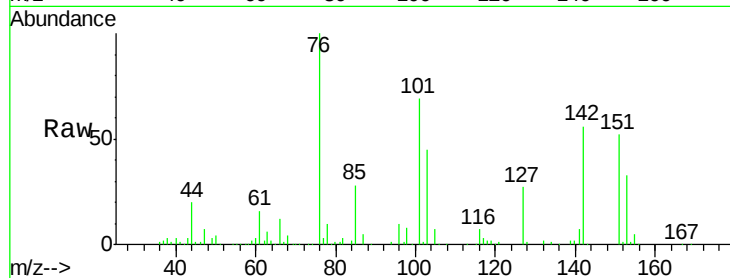
Tot Ion:101 Resp: 193296

Ion Ratio Lower Upper

101 100

85 41.0 29.8 44.6

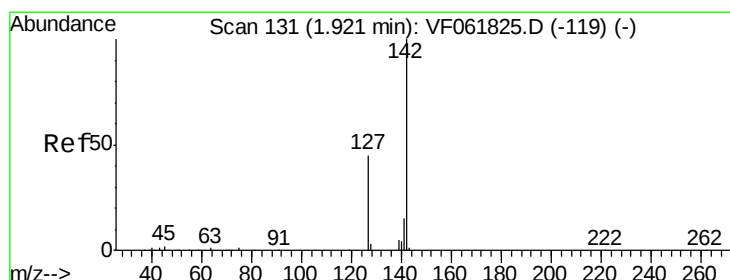
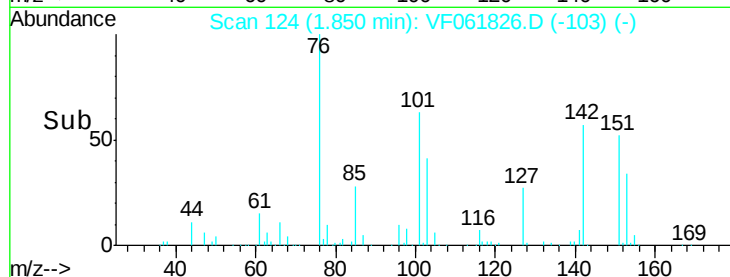
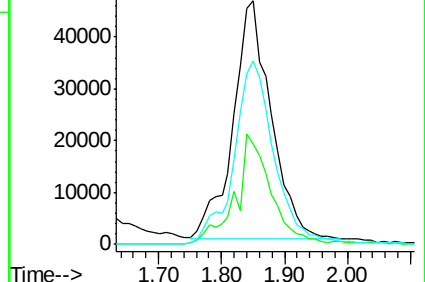
151 75.4 56.3 84.5



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: 52.956 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

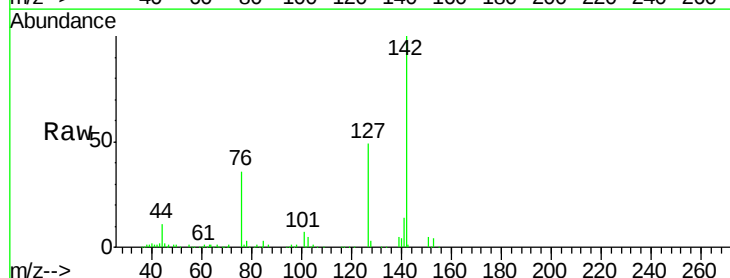
Tgt Ion:142 Resp: 305794

Ion Ratio Lower Upper

142 100

127 49.5 36.6 55.0

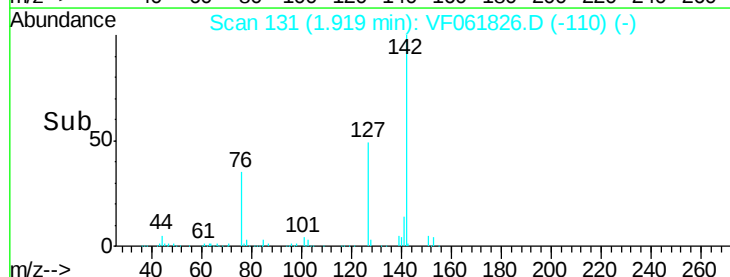
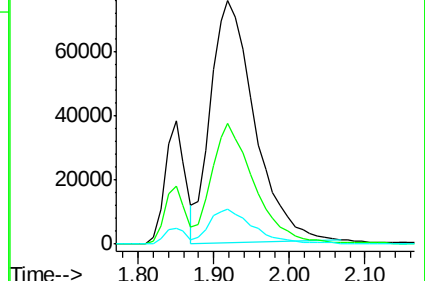
141 14.2 11.0 16.6

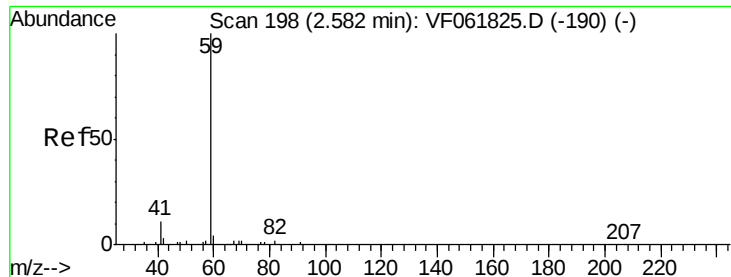


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



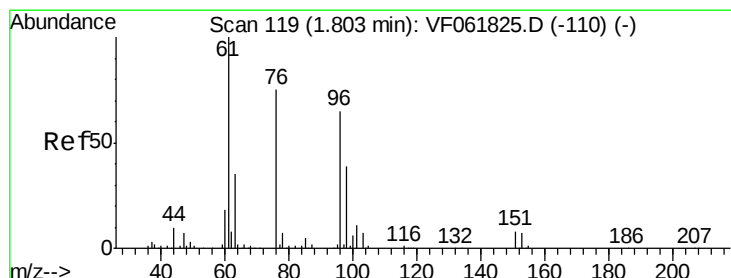
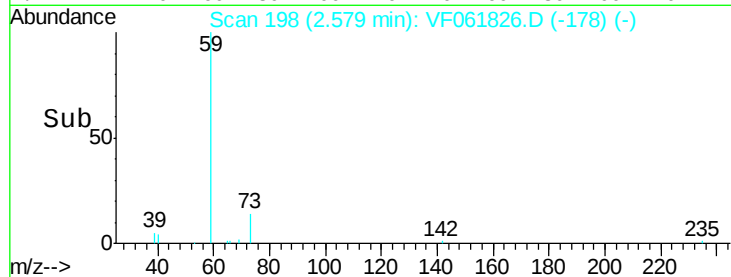
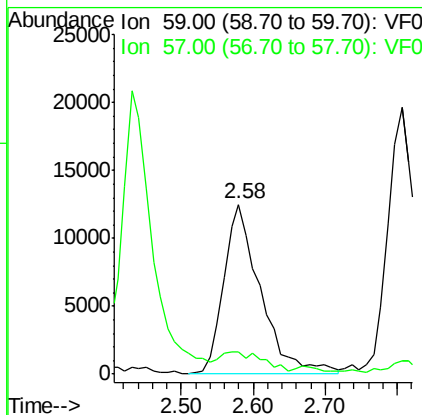
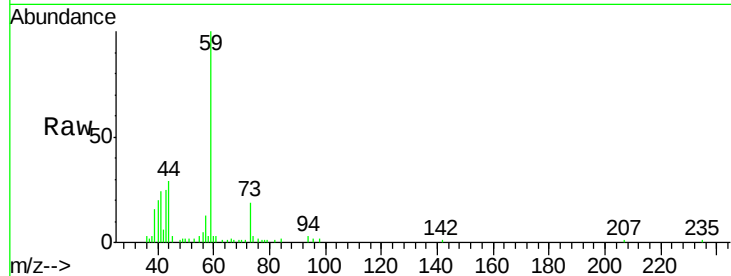


#11

Tert butyl alcohol
Concen: 337.622 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

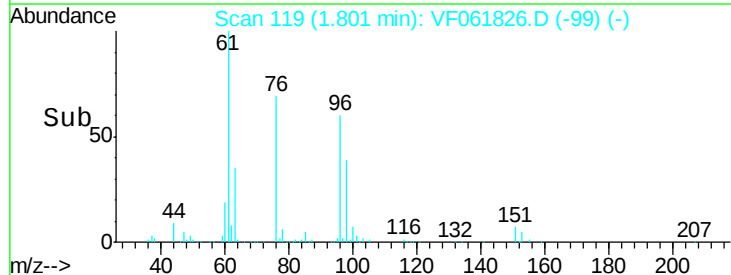
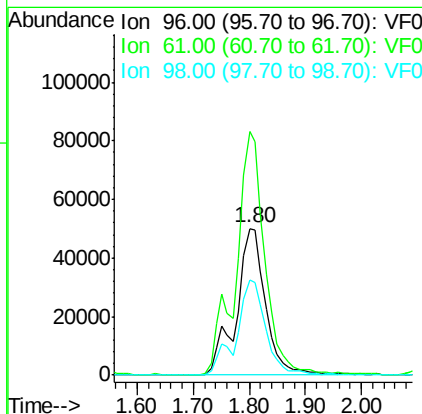
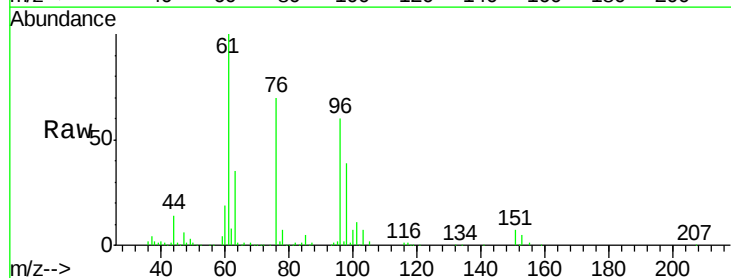
Tot Ion: 59 Resp: 44442
Ion Ratio Lower Upper
59 100
57 13.1 12.5 18.7

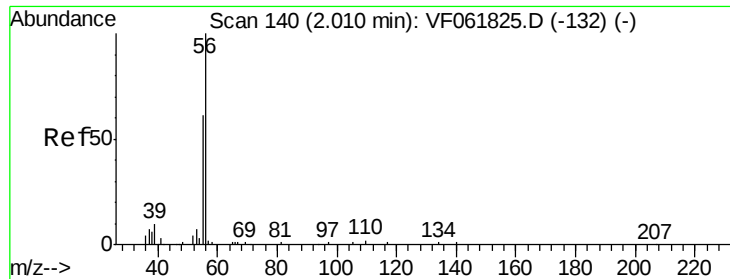


#12

1,1-Dichloroethene
Concen: 68.144 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion: 96 Resp: 181112
Ion Ratio Lower Upper
96 100
61 166.0 122.6 184.0
98 64.6 47.2 70.8





#13

Acrolein

Concen: 292.689 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

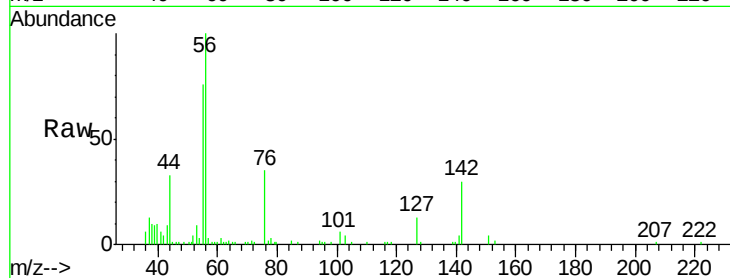
VSTDIC075

Tot Ion: 56 Resp: 48422

Ion Ratio Lower Upper

56 100

55 76.0 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

20000

15000

10000

5000

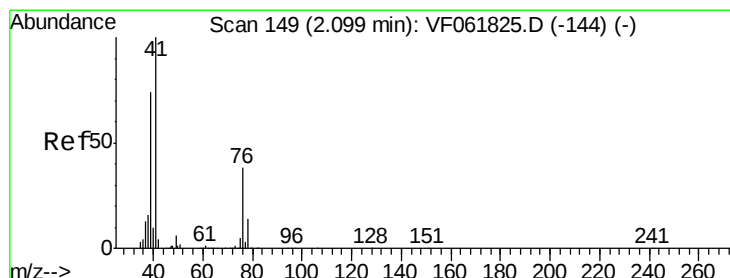
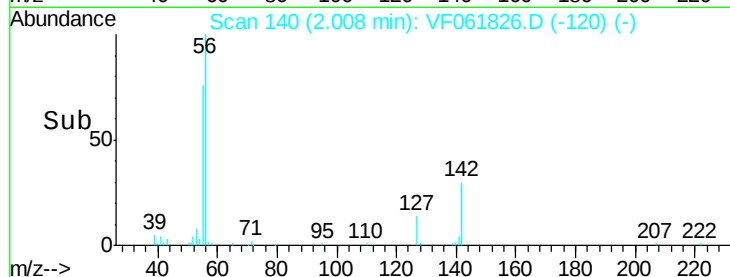
0

Time-->

1.90

2.01

2.10



#14

Allyl chloride

Concen: 64.422 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

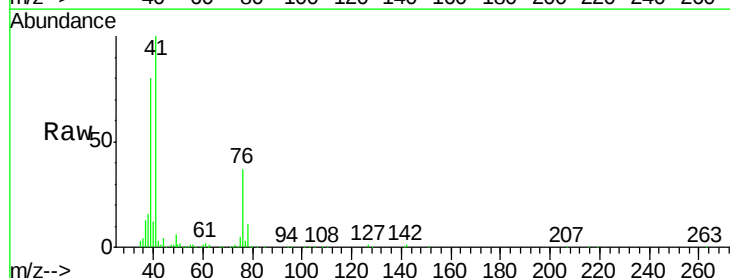
Tgt Ion: 41 Resp: 210106

Ion Ratio Lower Upper

41 100

39 80.5 61.6 92.4

76 37.2 30.3 45.5



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

100000

50000

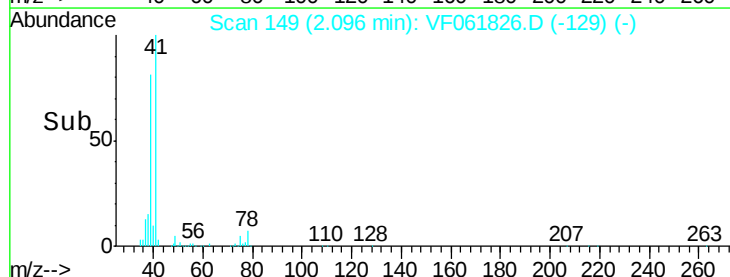
0

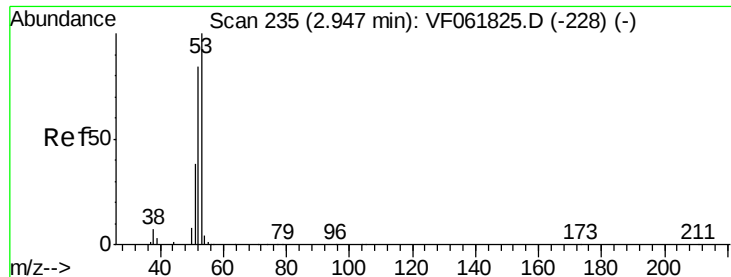
Time-->

2.00

2.10

2.20





#15

Acrylonitrile

Concen: 304.313 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

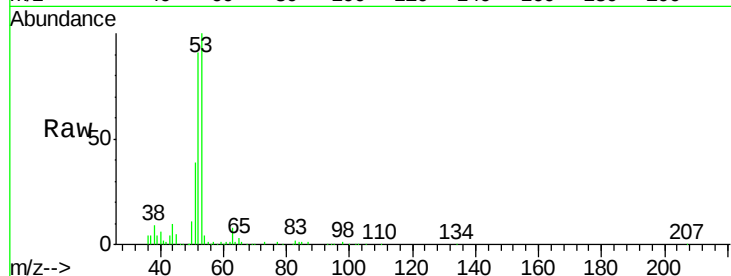
Tot Ion: 53 Resp: 142085

Ion Ratio Lower Upper

53 100

52 91.0 64.6 97.0

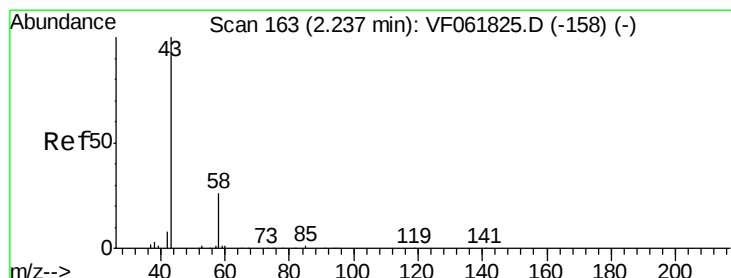
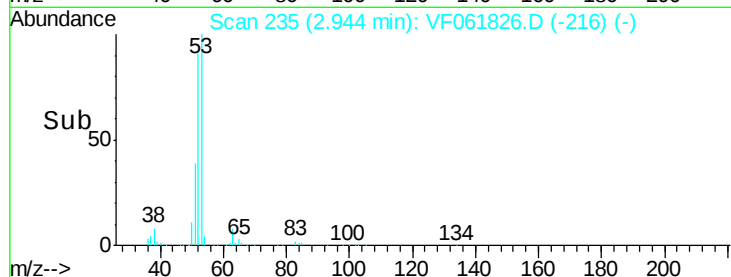
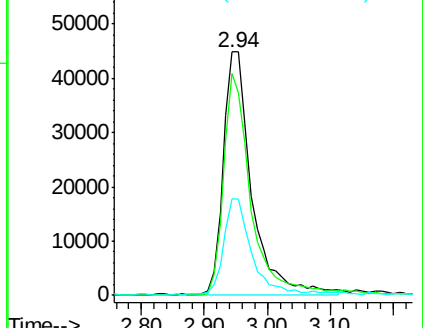
51 39.4 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 318.901 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061826.D

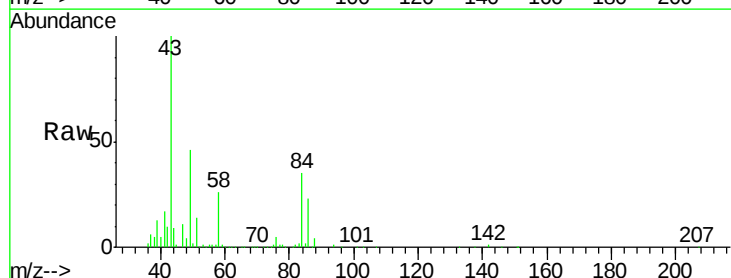
Acq: 4 Mar 2019 17:58

Tgt Ion: 43 Resp: 155624

Ion Ratio Lower Upper

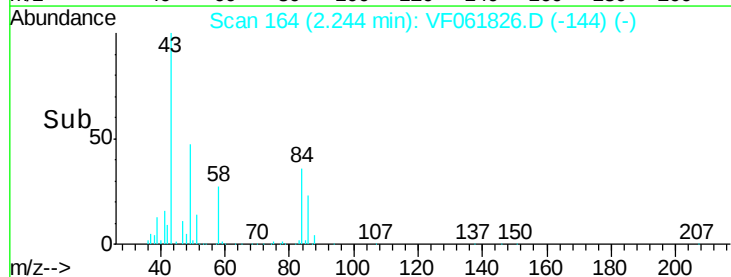
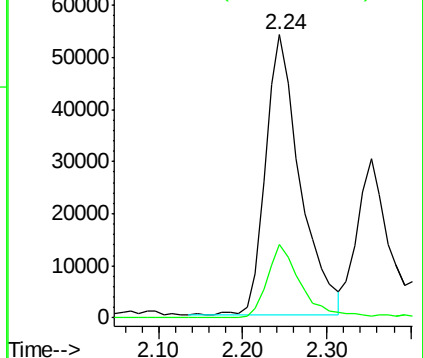
43 100

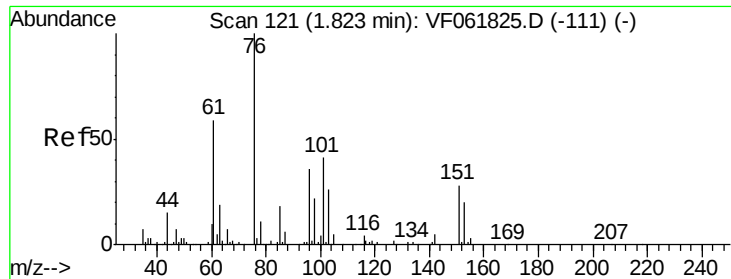
58 26.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

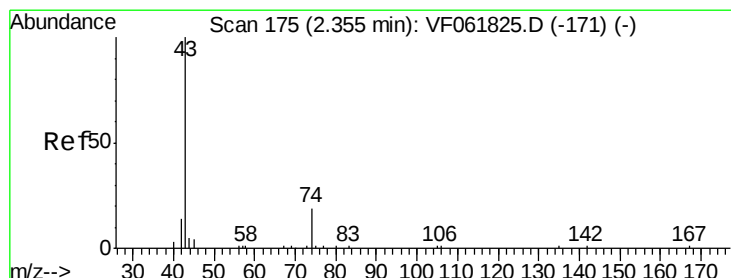
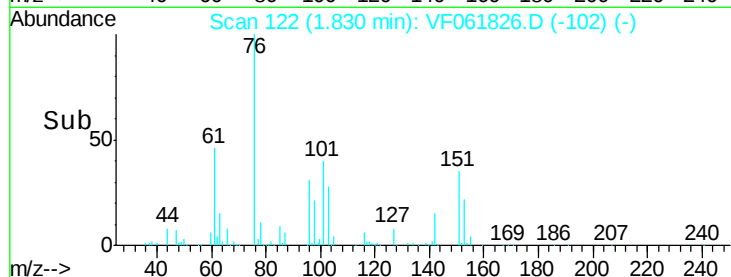
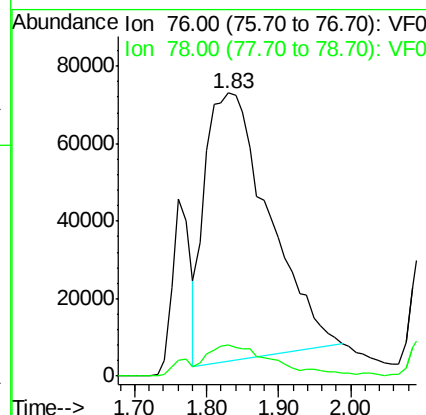
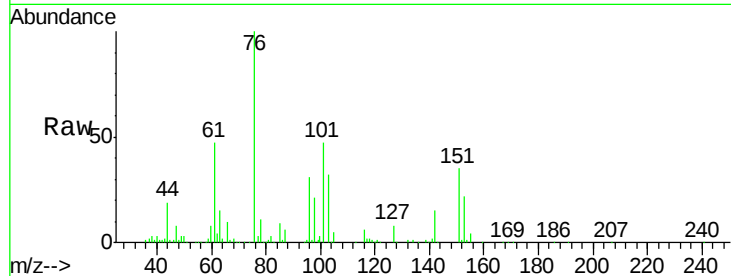




#17
Carbon Disulfide
Concen: 50.860 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

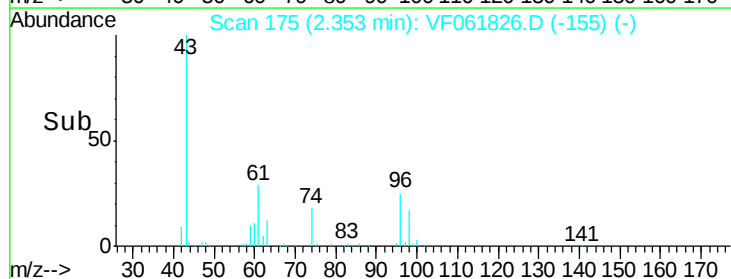
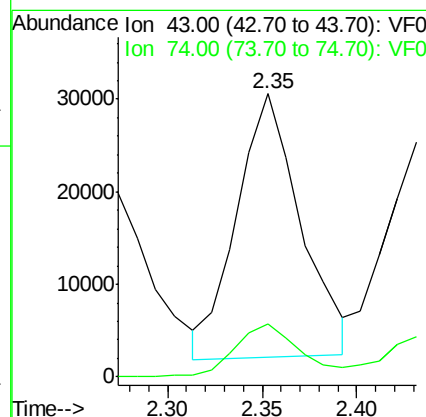
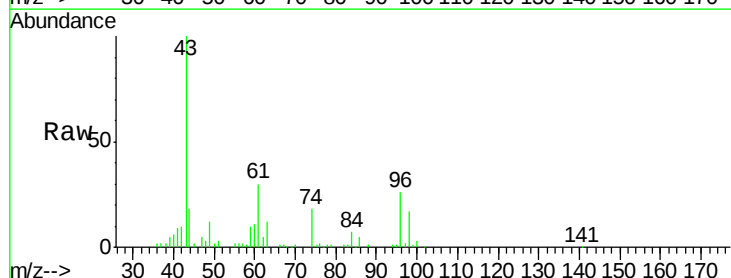
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

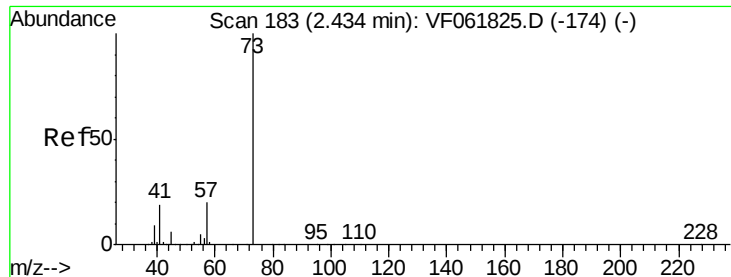
Tot Ion: 76 Resp: 424902
Ion Ratio Lower Upper
76 100
78 11.0 7.9 11.9



#18
Methyl Acetate
Concen: 60.772 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion: 43 Resp: 66810
Ion Ratio Lower Upper
43 100
74 18.5 14.6 21.8



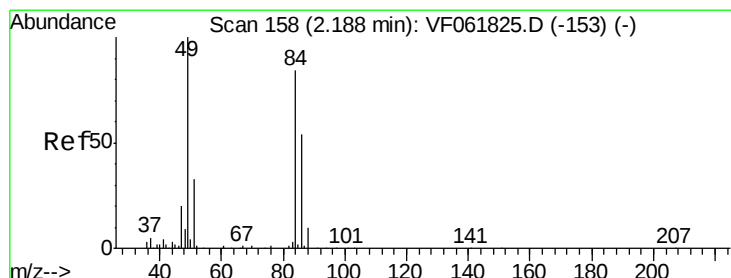
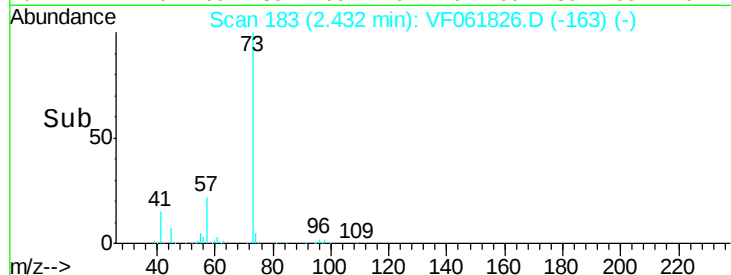
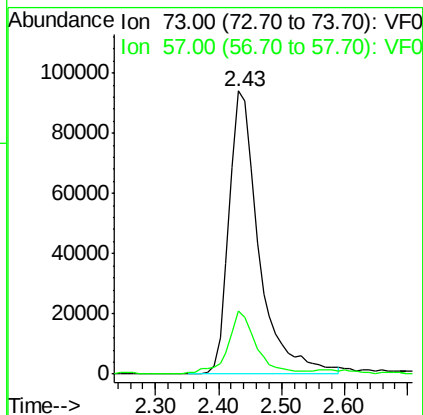
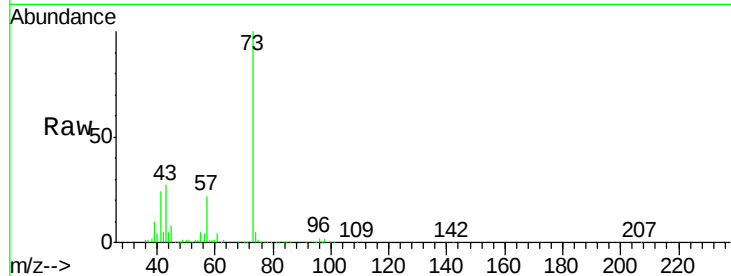


#19

Methyl tert-butyl Ether
 Concen: 68.163 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

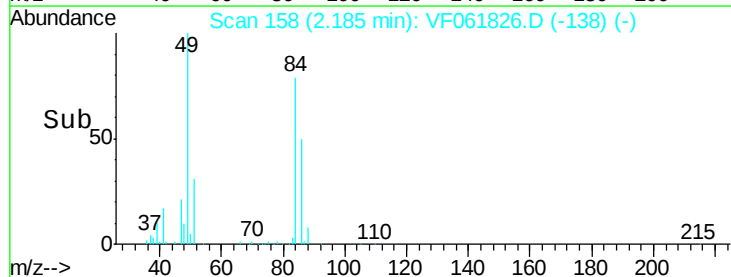
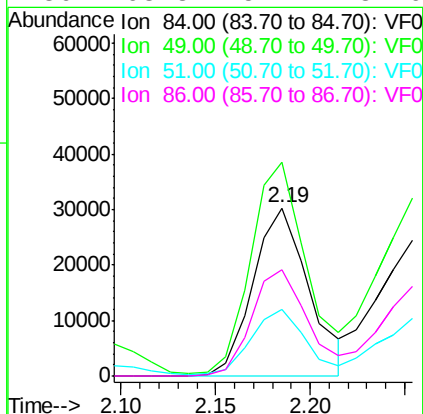
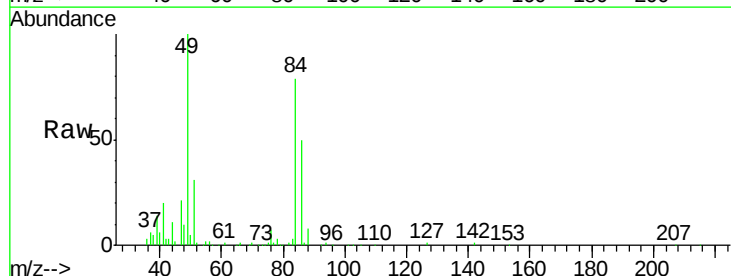
Tot Ion: 73 Resp: 309615
 Ion Ratio Lower Upper
 73 100
 57 22.2 15.8 23.8

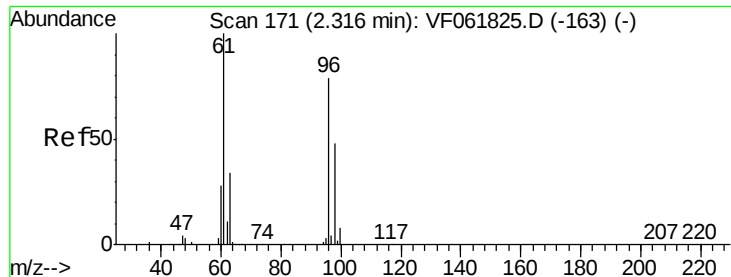


#20

Methylene Chloride
 Concen: 21.144 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion: 84 Resp: 62330
 Ion Ratio Lower Upper
 84 100
 49 127.2 101.8 152.8
 51 39.9 31.1 46.7
 86 63.3 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 53.600 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

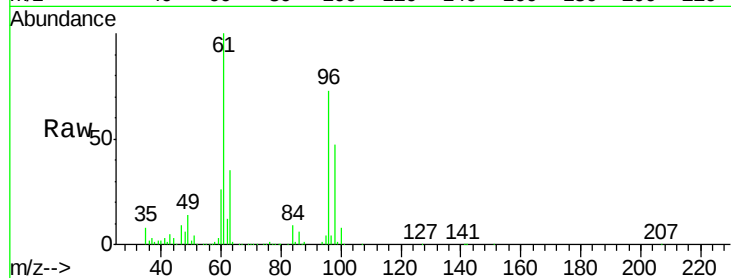
Tot Ion: 96 Resp: 154864

Ion Ratio Lower Upper

96 100

61 137.0 108.2 162.4

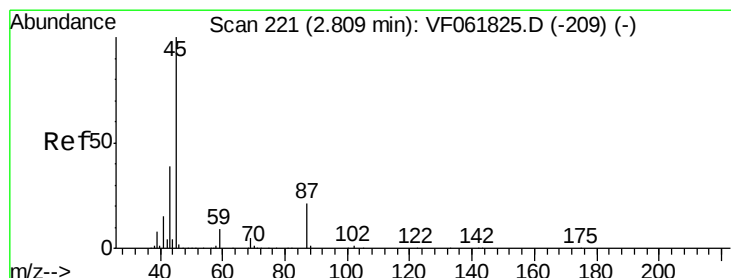
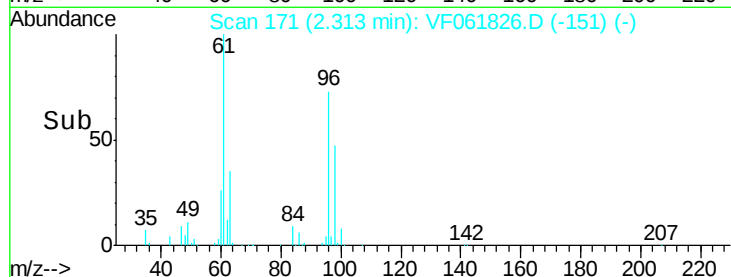
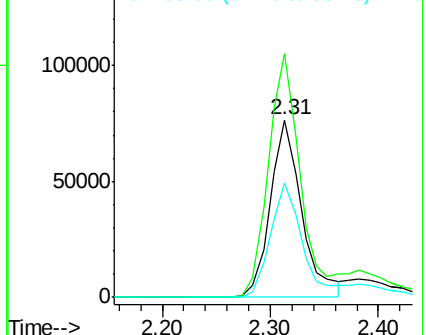
98 64.2 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 68.979 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Tgt Ion: 45 Resp: 540022

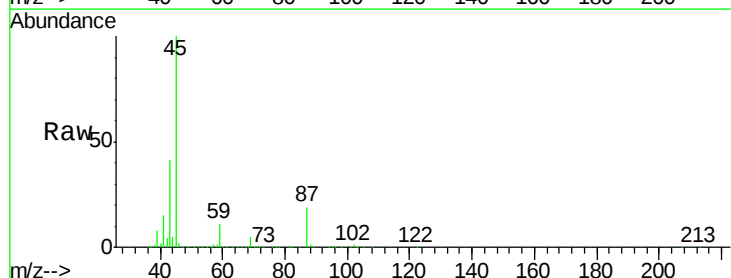
Ion Ratio Lower Upper

45 100

43 40.7 31.4 47.2

87 19.5 16.3 24.5

59 10.5 8.7 13.1

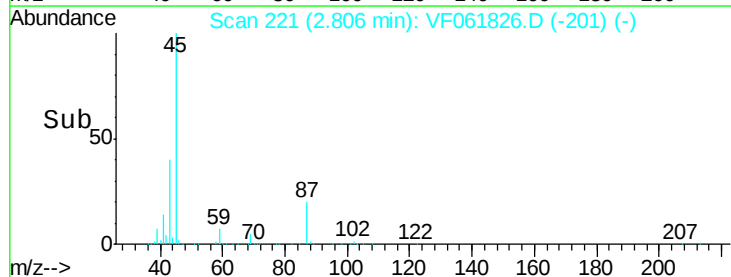
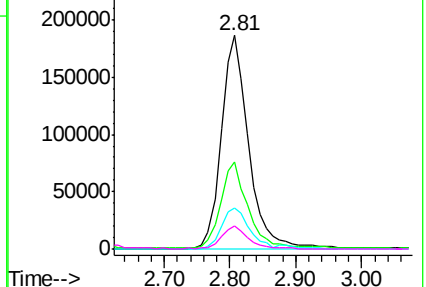


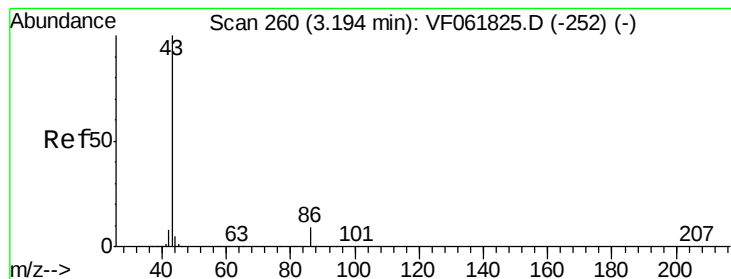
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 327.385 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

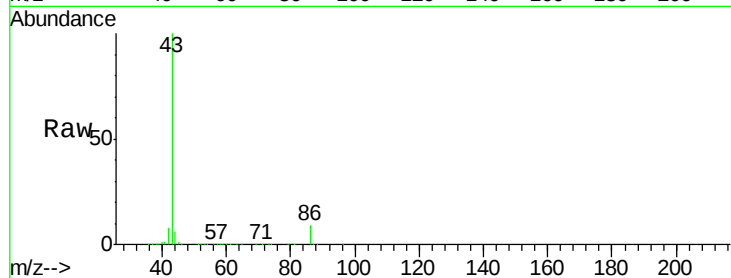
VSTDIC075

Tot Ion: 43 Resp: 1251853

Ion Ratio Lower Upper

43 100

86 8.8 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

500000

400000

300000

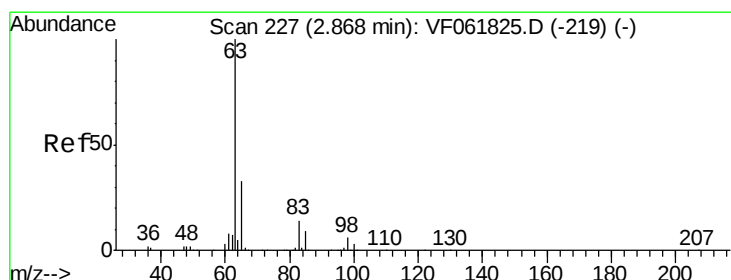
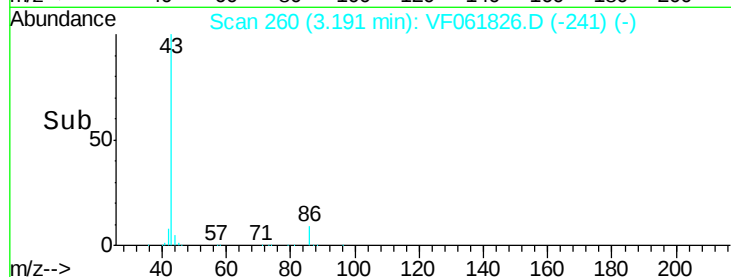
200000

100000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 68.009 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

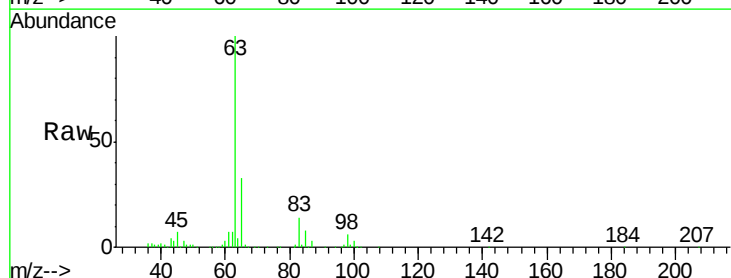
Tgt Ion: 63 Resp: 322206

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.2 1.8 5.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.88

150000

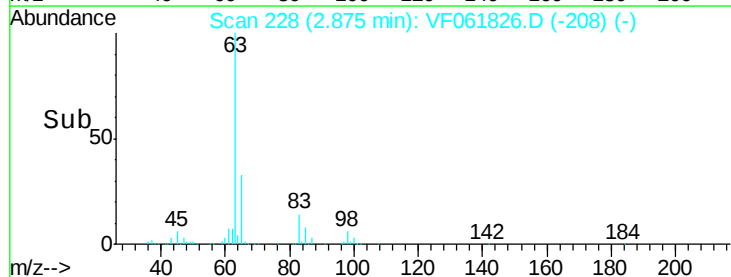
100000

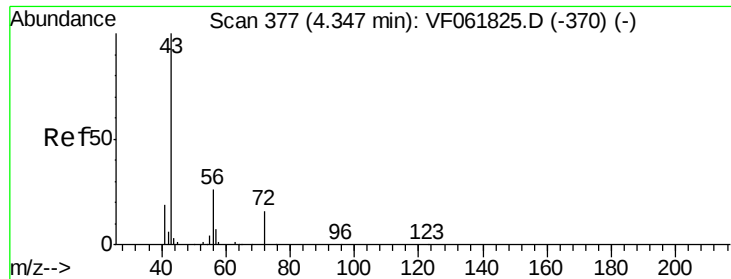
50000

0

Time-->

2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 314.851 ug/l

RT: 4.34 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

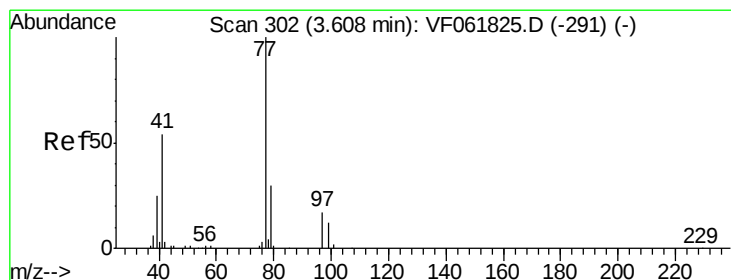
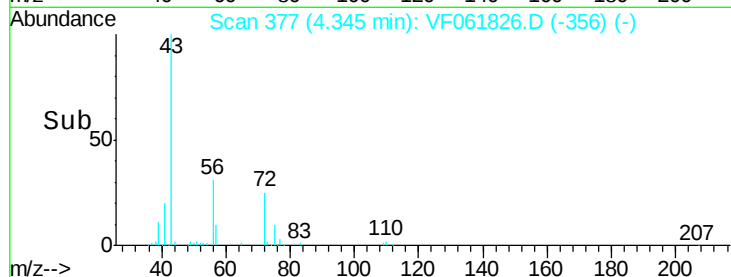
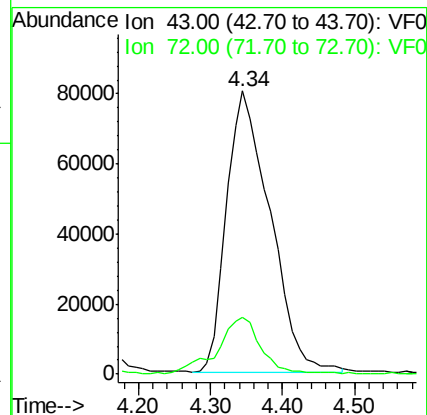
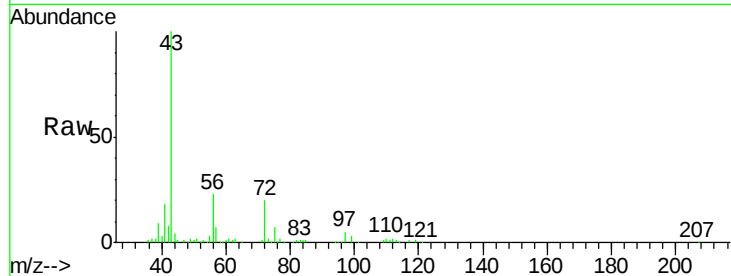
VSTDIC075

Tot Ion: 43 Resp: 335615

Ion Ratio Lower Upper

43 100

72 20.1 17.1 25.7



#26

2,2-Dichloropropane

Concen: 67.778 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061826.D

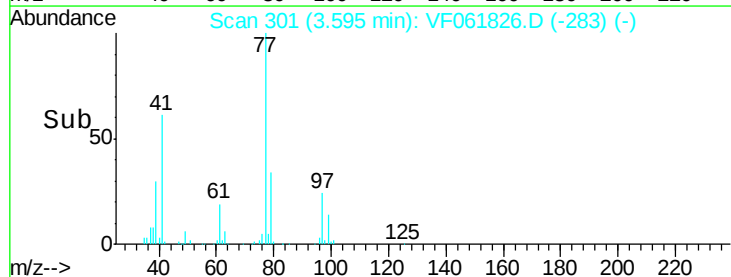
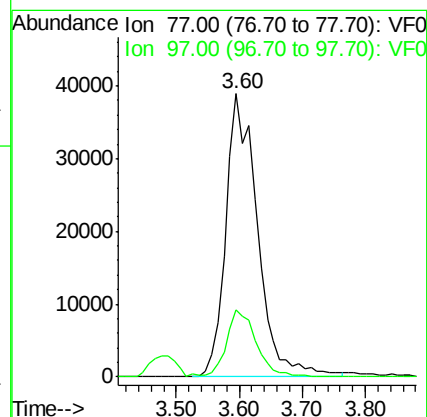
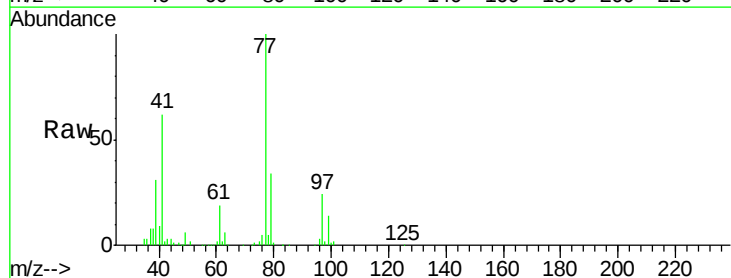
Acq: 4 Mar 2019 17:58

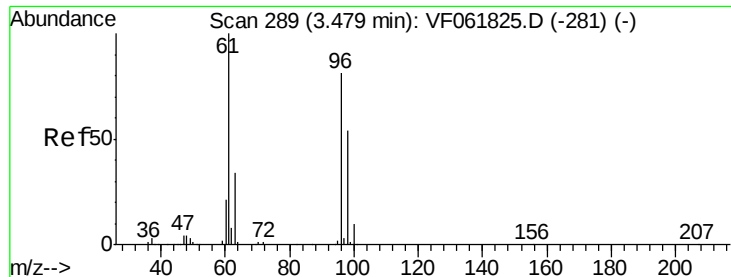
Tgt Ion: 77 Resp: 136016

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0



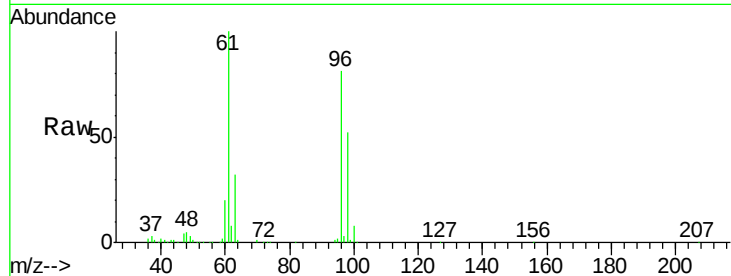


#27

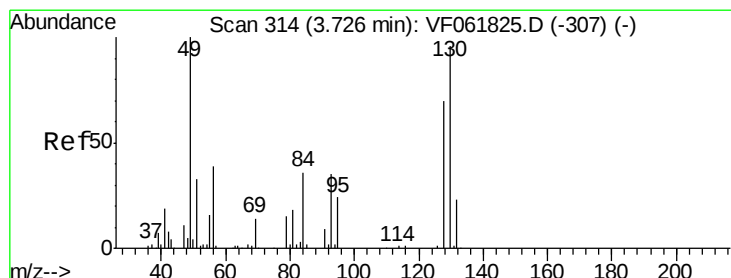
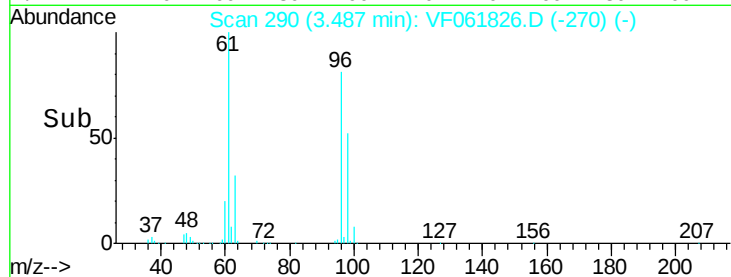
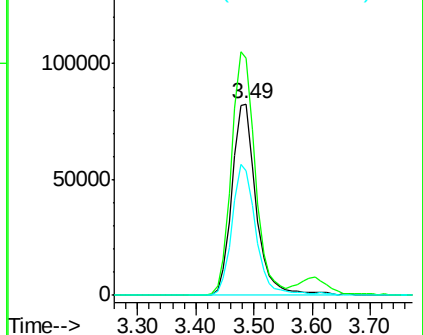
cis-1,2-Dichloroethene
 Concen: 63.145 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	96	Resp	239465
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	241.6
98	65.0	0.0	130.2



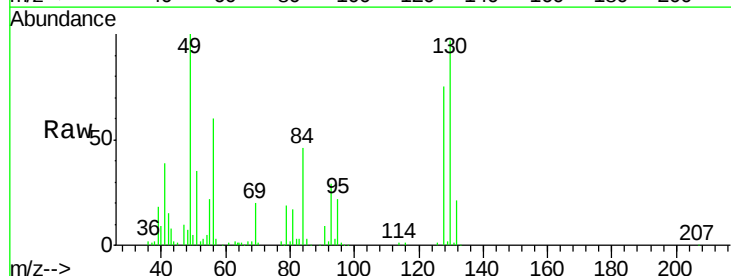
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



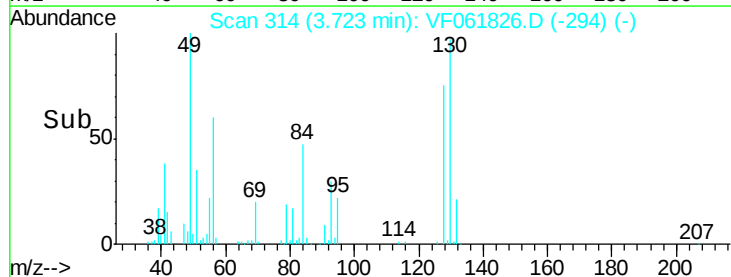
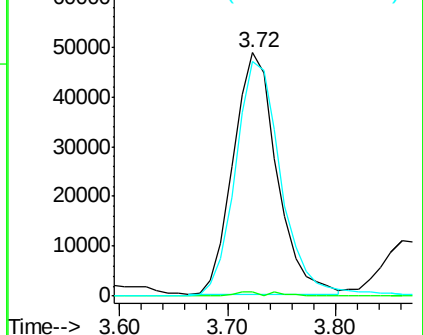
#28

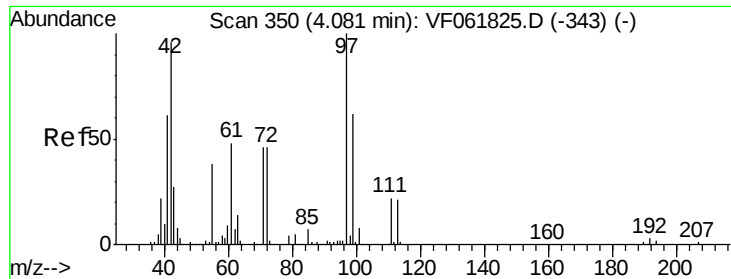
Bromochloromethane
 Concen: 60.051 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion	49	Resp	136509
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	96.5	77.7	116.5



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 288.139 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

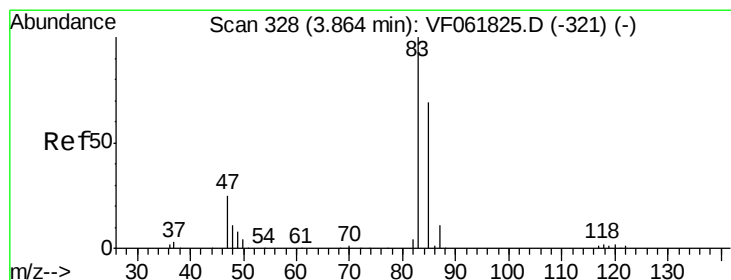
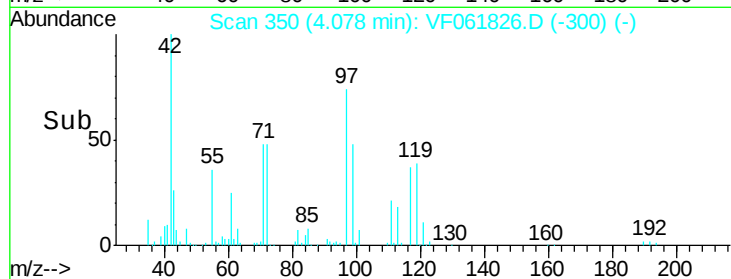
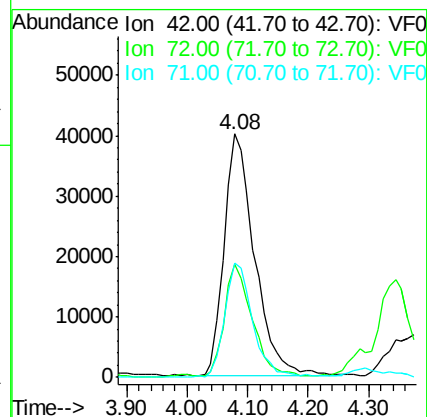
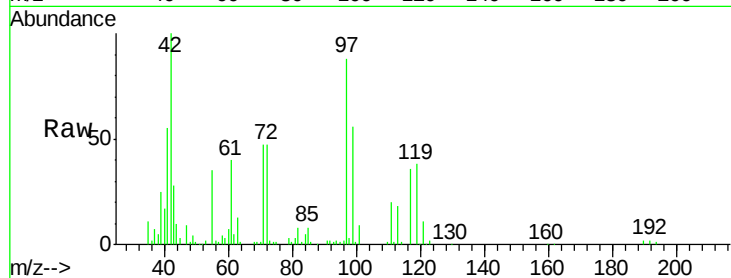
Tot Ion: 42 Resp: 139598

Ion Ratio Lower Upper

42 100

72 43.6 35.2 52.8

71 43.9 32.9 49.3



#30

Chloroform

Concen: 69.204 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF061826.D

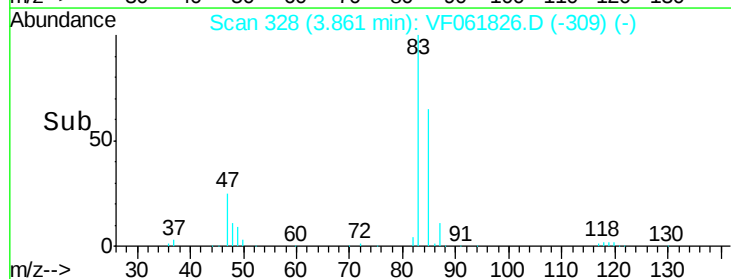
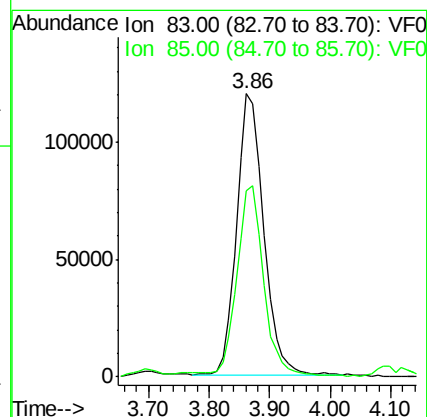
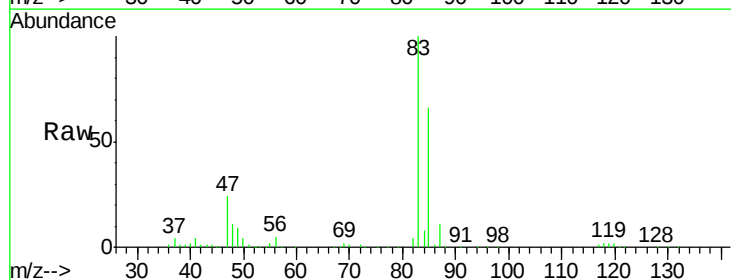
Acq: 4 Mar 2019 17:58

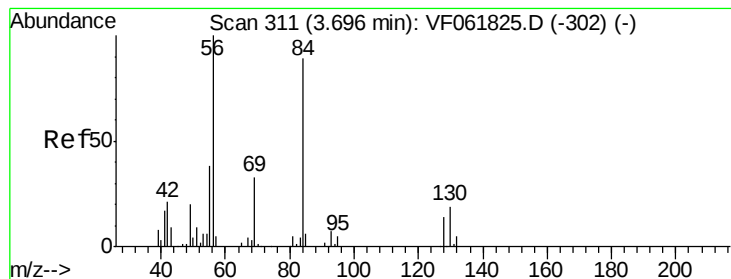
Tgt Ion: 83 Resp: 372859

Ion Ratio Lower Upper

83 100

85 65.9 51.1 76.7





#31

Cyclohexane

Concen: 37.925 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

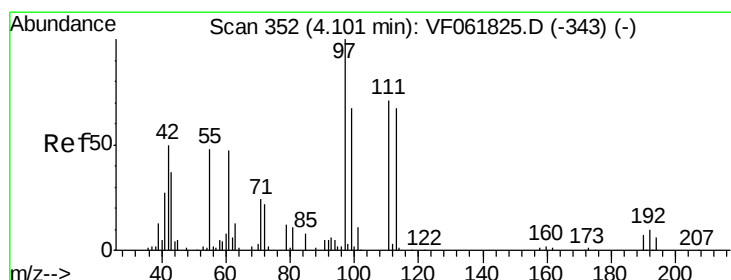
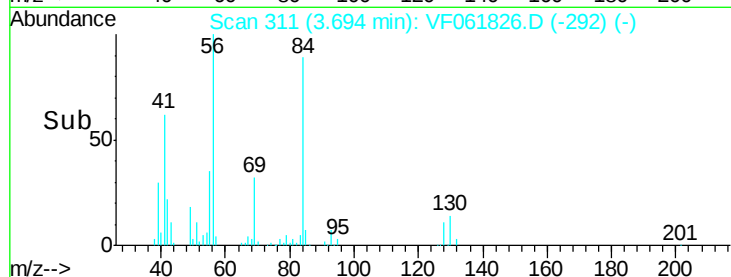
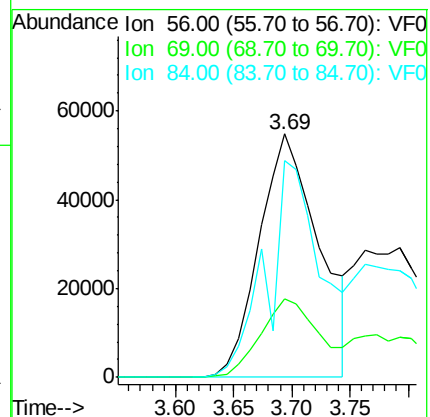
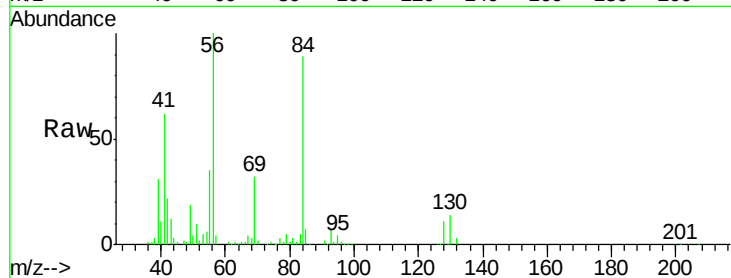
Tot Ion: 56 Resp: 194511

Ion Ratio Lower Upper

56 100

69 32.3 23.8 35.8

84 89.1 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 62.170 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

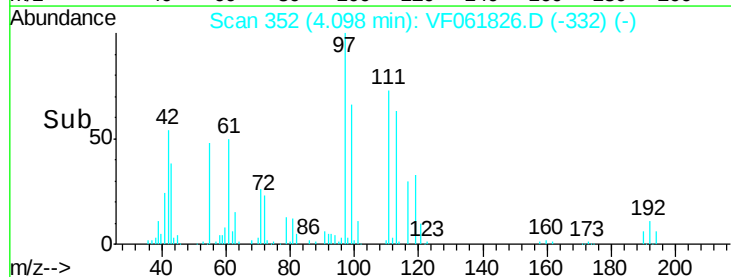
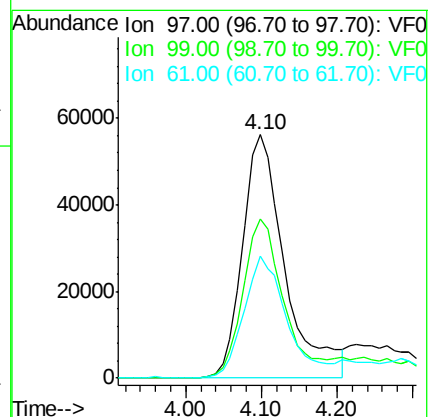
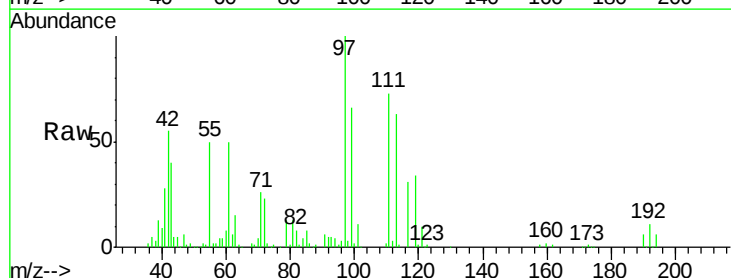
Tgt Ion: 97 Resp: 219420

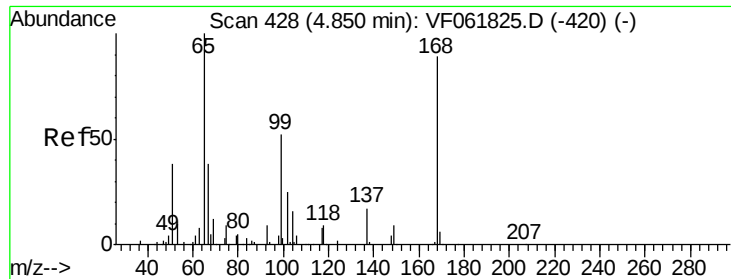
Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.2

61 50.2 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 73.677 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

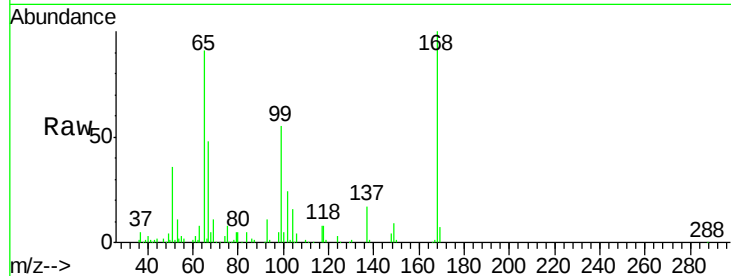
VSTDIC075

Tot Ion: 65 Resp: 167577

Ion Ratio Lower Upper

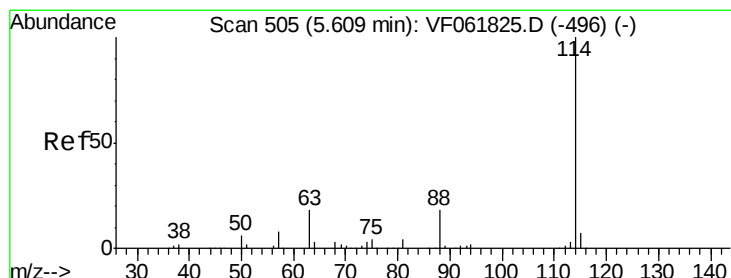
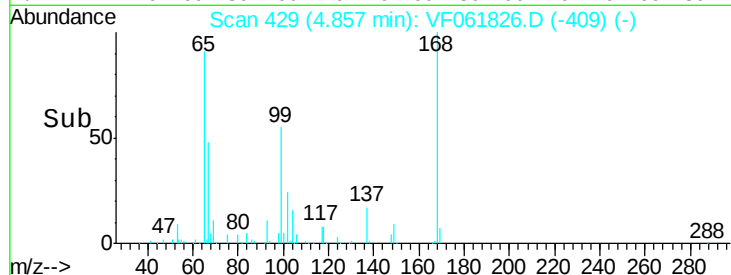
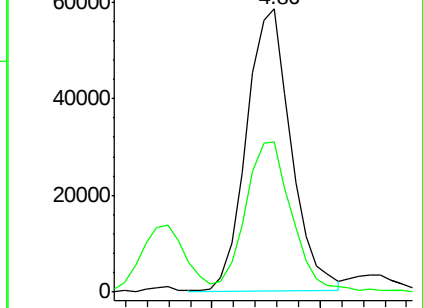
65 100

67 52.9 0.0 104.0



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: 5.61 min Scan# 505

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

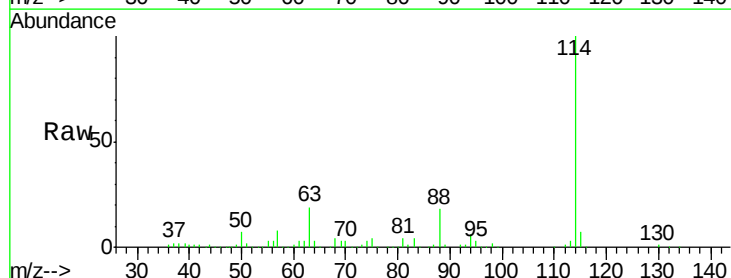
Tgt Ion: 114 Resp: 456968

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.6

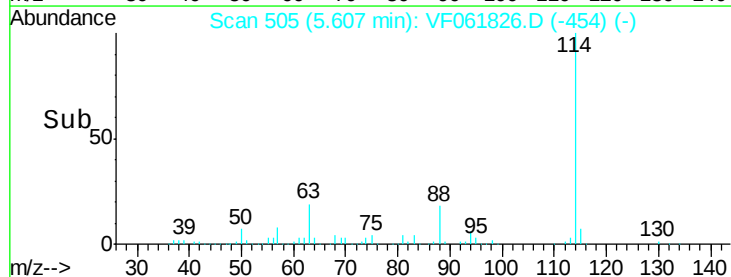
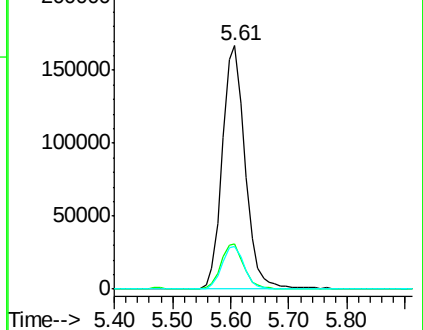
88 17.7 0.0 34.4

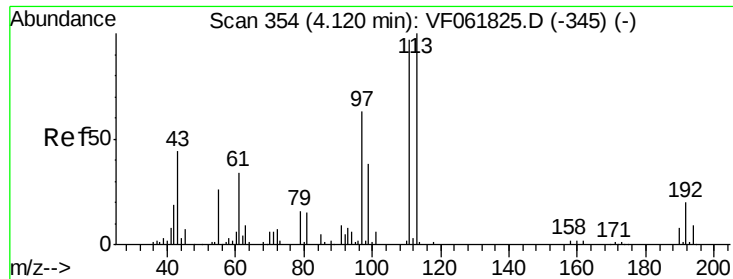


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 68.540 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

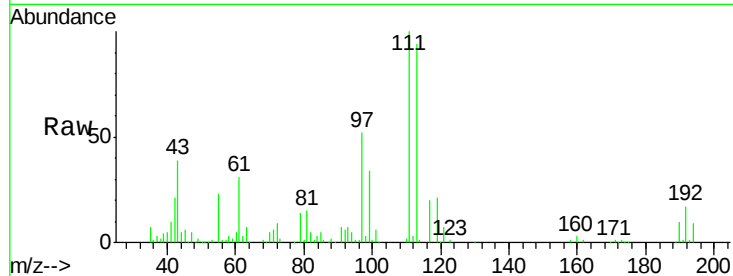
Tot Ion:113 Resp: 232589

Ion Ratio Lower Upper

113 100

111 106.8 78.8 118.2

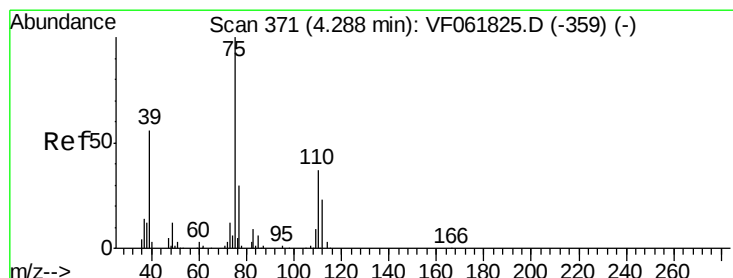
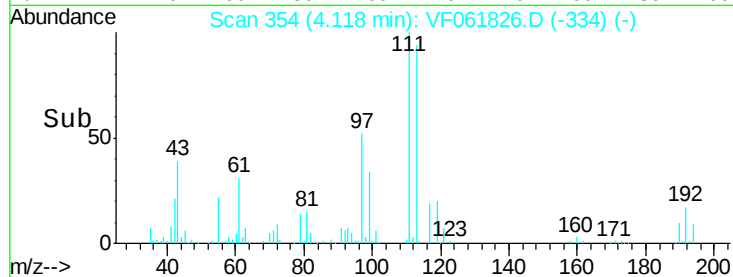
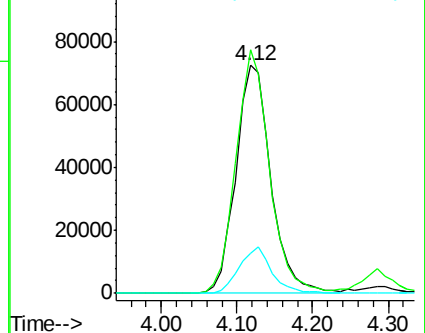
192 17.8 13.4 20.0



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: 69.863 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

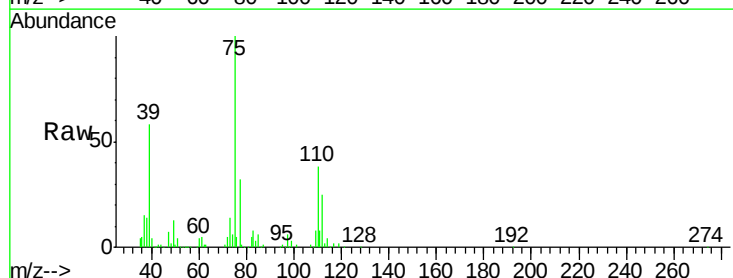
Tgt Ion: 75 Resp: 316258

Ion Ratio Lower Upper

75 100

110 38.5 20.5 61.6

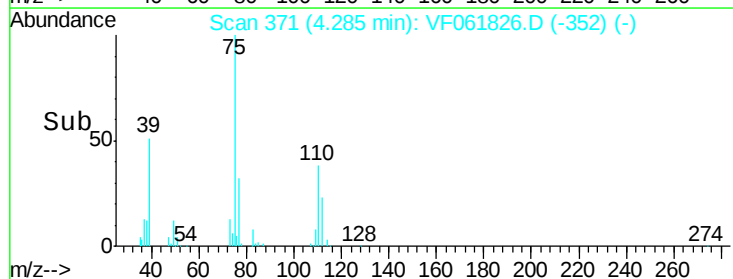
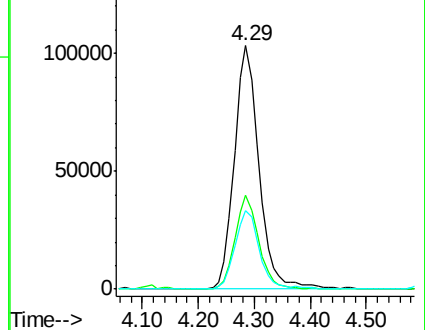
77 32.4 27.0 40.4

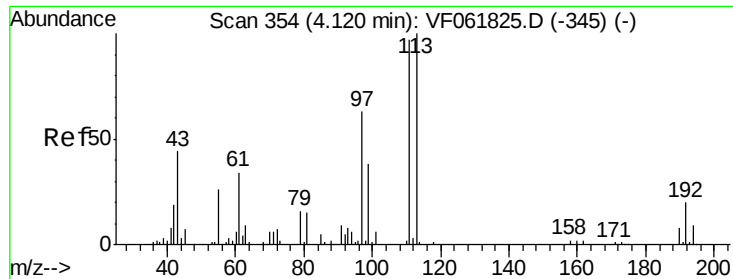


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

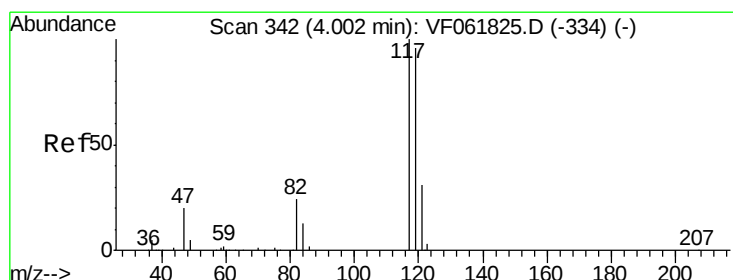
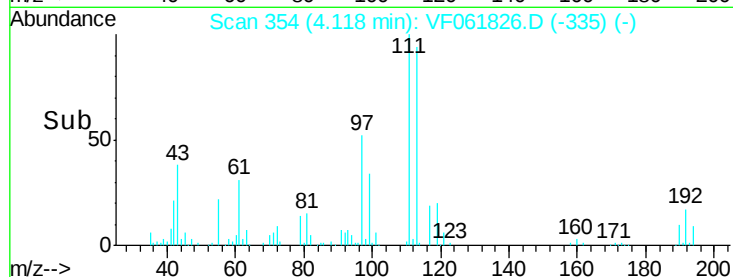
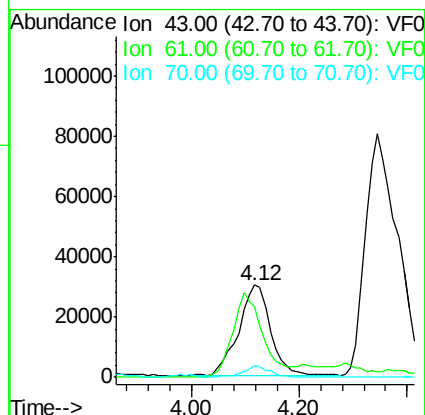
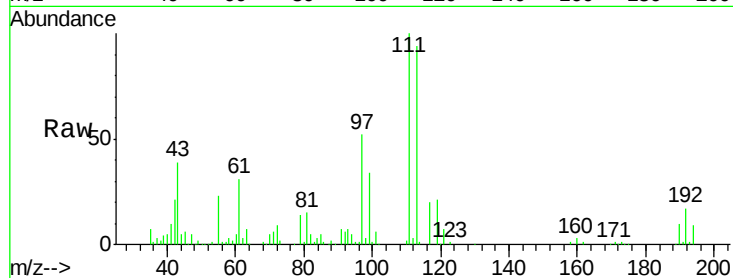




#37
Ethyl Acetate
Concen: 59.418 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

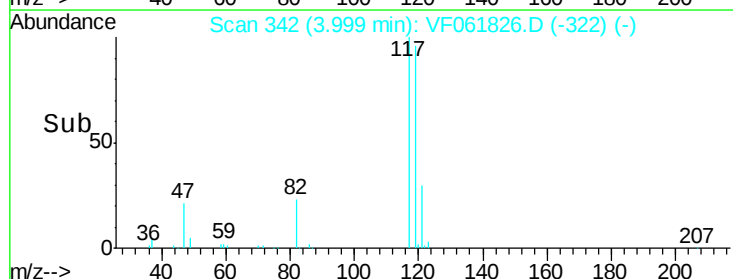
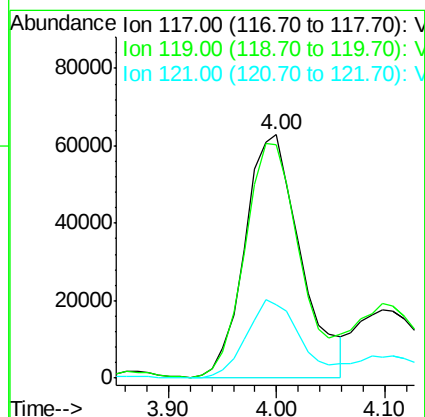
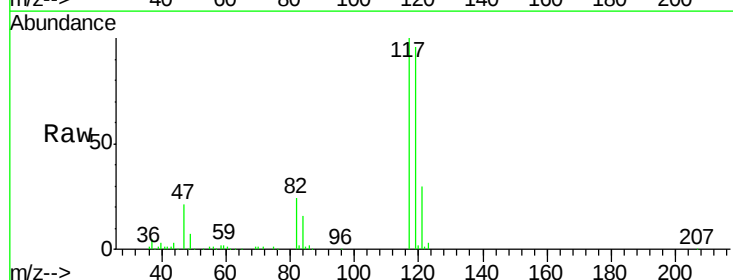
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

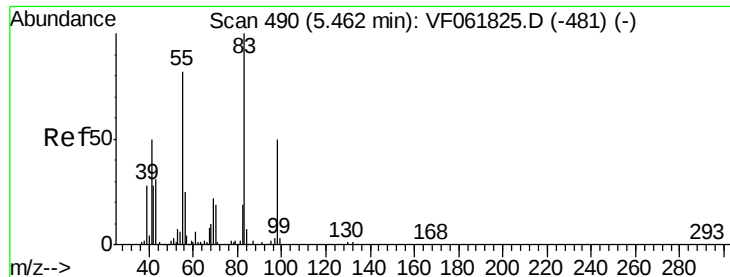
Tot Ion: 43 Resp: 124932
Ion Ratio Lower Upper
43 100
61 77.5 45.7 68.5#
70 12.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 71.511 ug/l
RT: 4.00 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion: 117 Resp: 223532
Ion Ratio Lower Upper
117 100
119 95.9 75.6 113.4
121 30.3 25.2 37.8

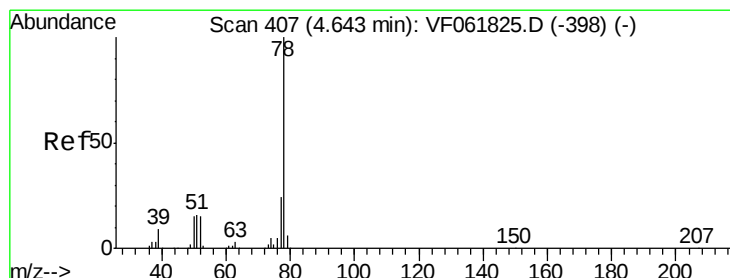
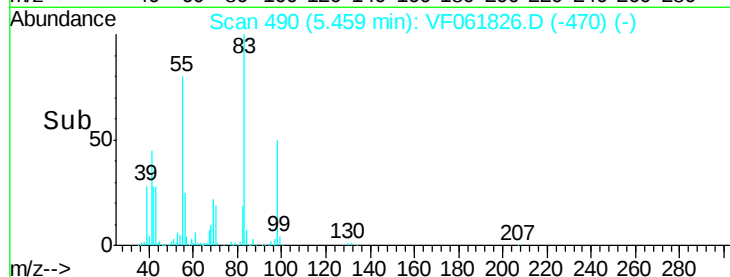
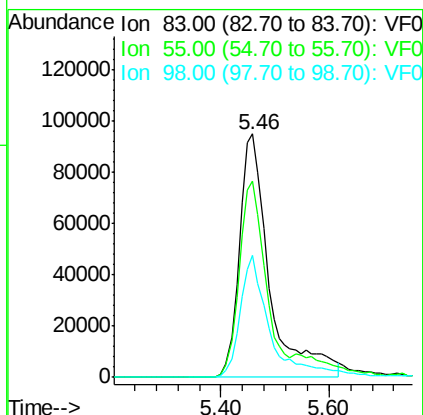
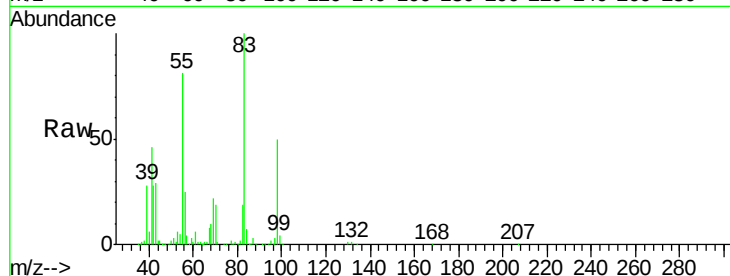




#39
Methylvlcvclohexane
Concen: 69.242 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

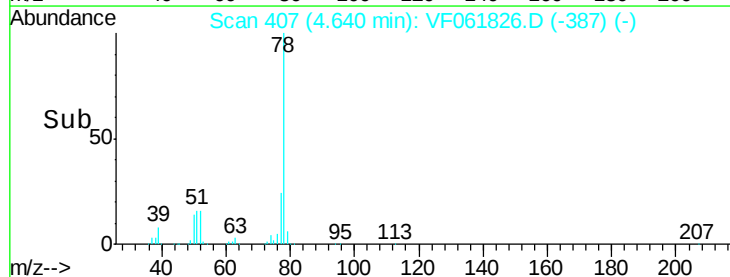
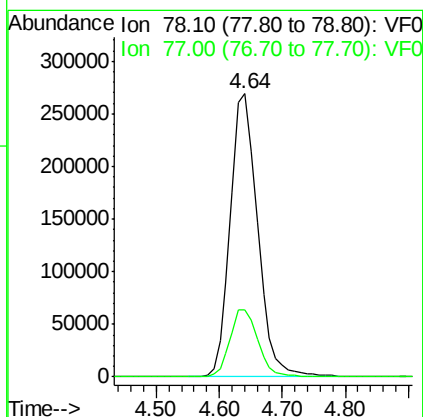
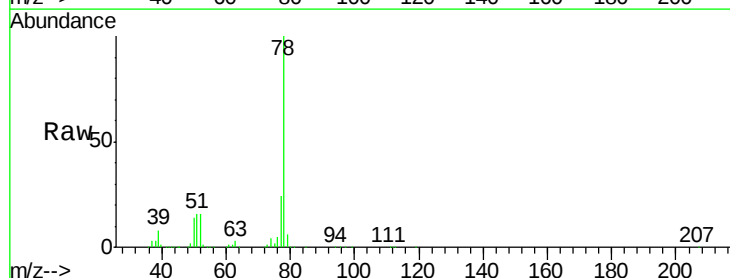
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

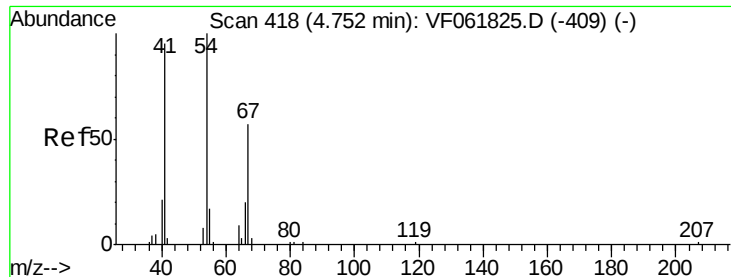
Tot Ion: 83 Resp: 370700
Ion Ratio Lower Upper
83 100
55 80.6 66.6 99.8
98 50.0 40.4 60.6



#40
Benzene
Concen: 68.644 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion: 78 Resp: 812795
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 63.424 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 68198

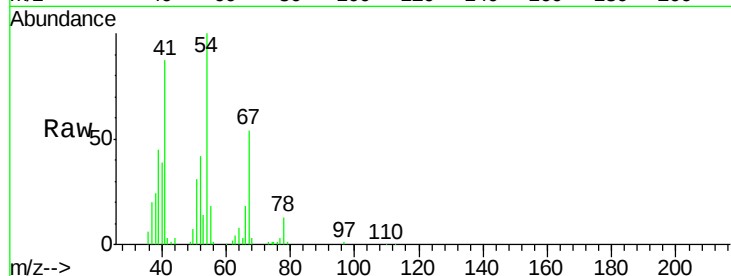
Ion Ratio Lower Upper

41 100

39 51.9 45.3 67.9

67 62.3 49.3 73.9

52 48.5 32.6 49.0

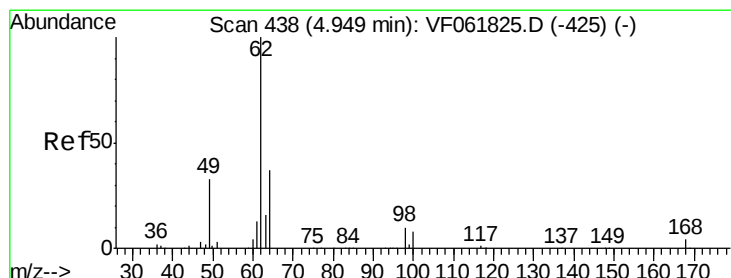
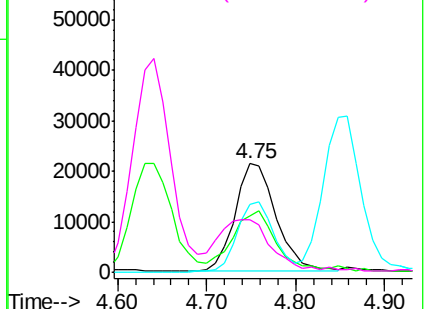
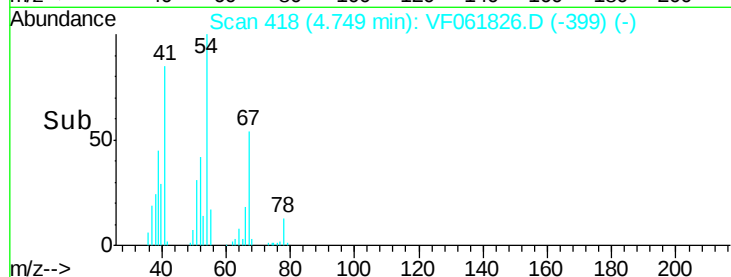


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 70.710 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF061826.D

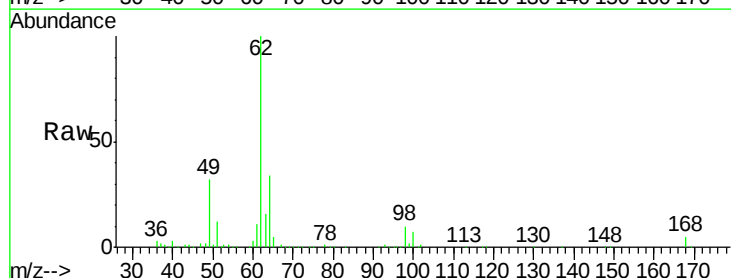
Acq: 4 Mar 2019 17:58

Tgt Ion: 62 Resp: 200275

Ion Ratio Lower Upper

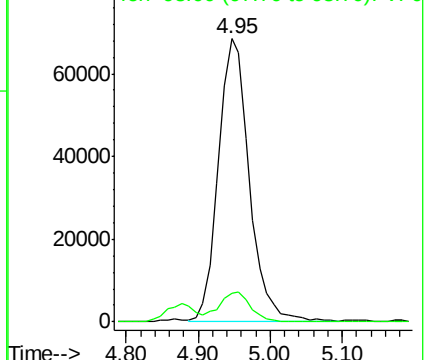
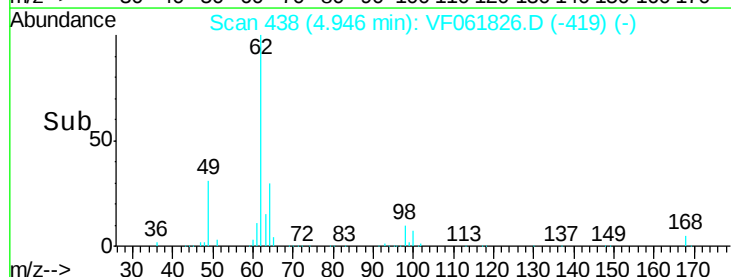
62 100

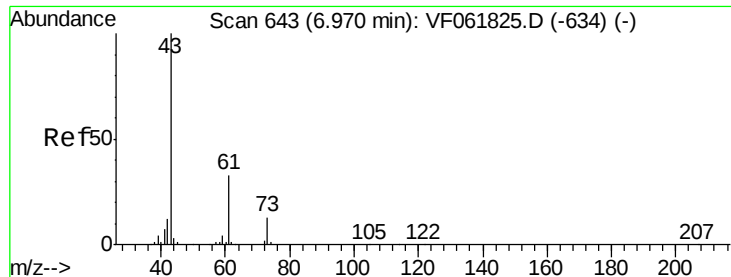
98 10.3 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



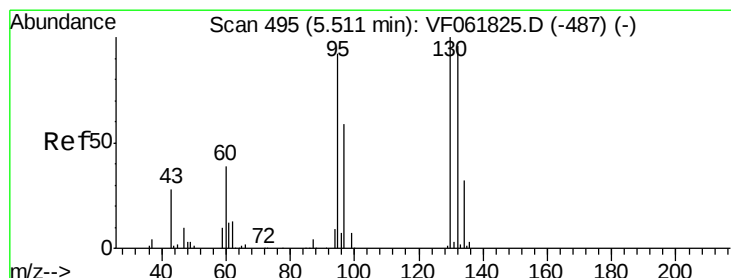
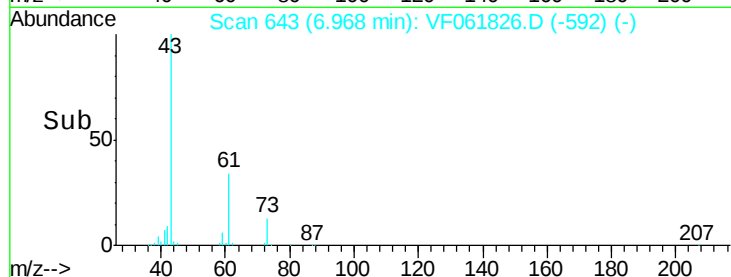
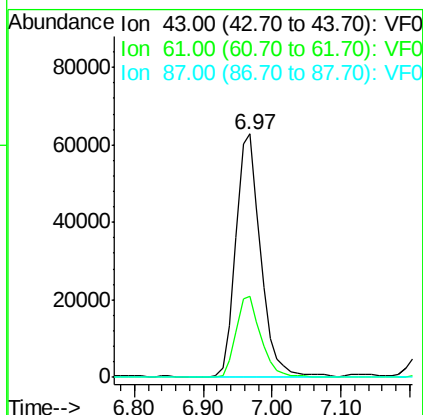
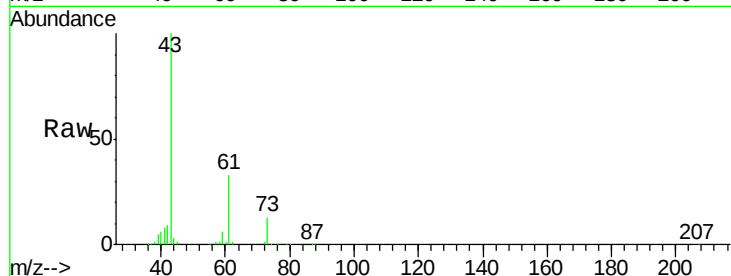


#43

Isopropyl Acetate
 Concen: 63.473 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

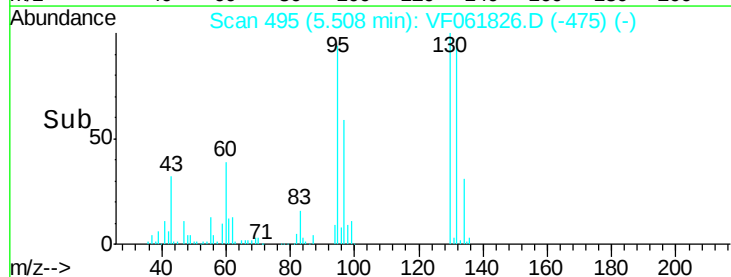
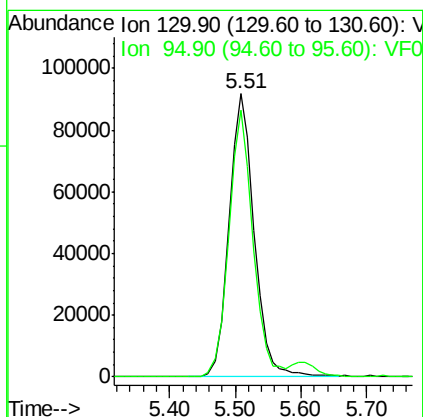
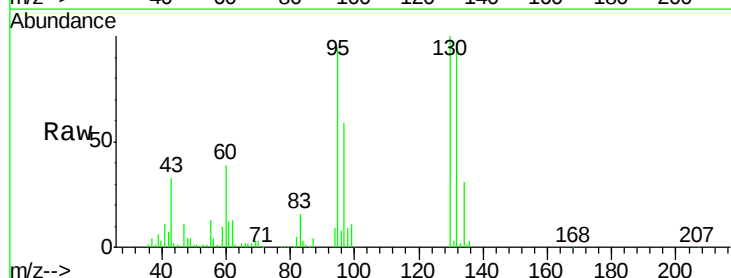
Tot Ion: 43 Resp: 157972
 Ion Ratio Lower Upper
 43 100
 61 33.2 25.8 38.6
 87 0.3 0.4 0.6#

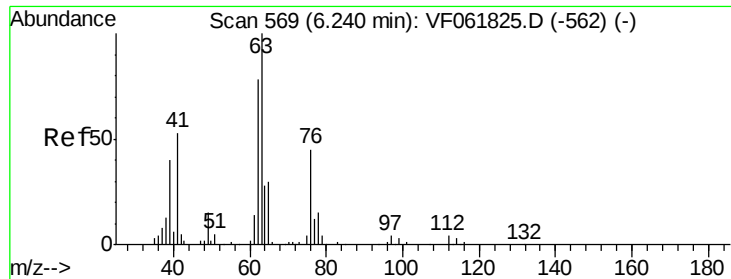


#44

Trichloroethene
 Concen: 64.436 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion: 130 Resp: 246724
 Ion Ratio Lower Upper
 130 100
 95 94.2 0.0 179.4





#45

1,2-Dichloropropane

Concen: 68.336 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

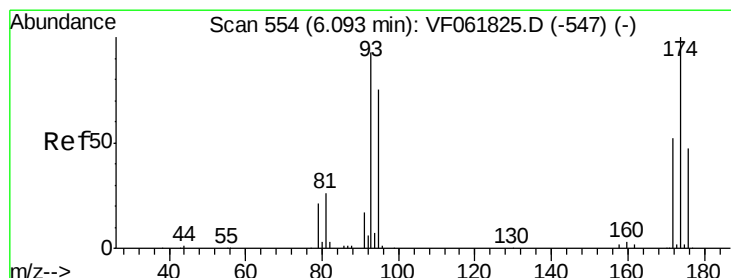
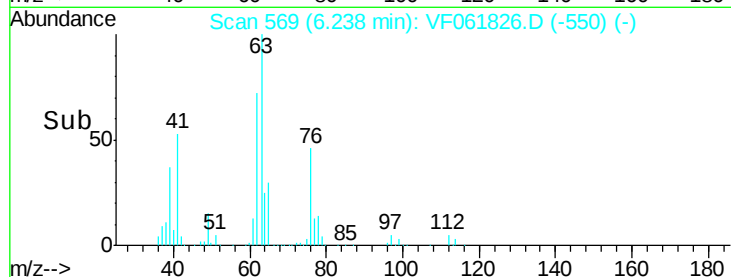
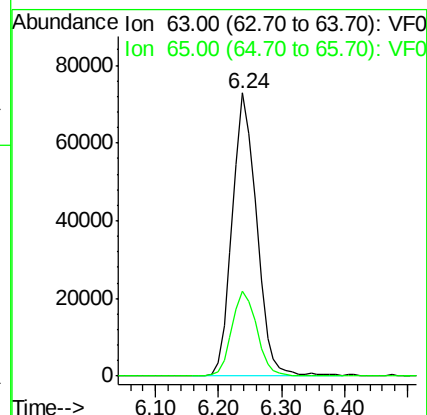
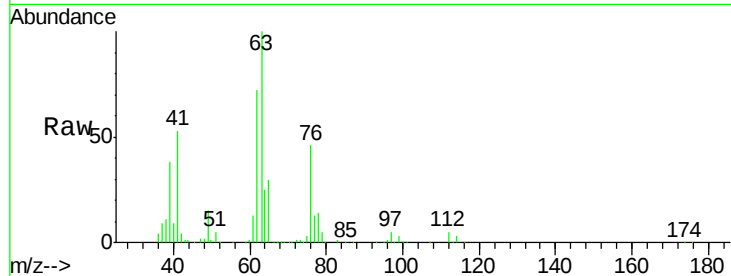
VSTDIC075

Tot Ion: 63 Resp: 195585

Ion Ratio Lower Upper

63 100

65 30.0 24.9 37.3



#46

Dibromomethane

Concen: 70.525 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

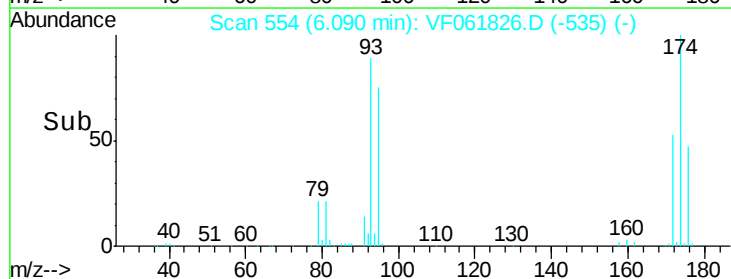
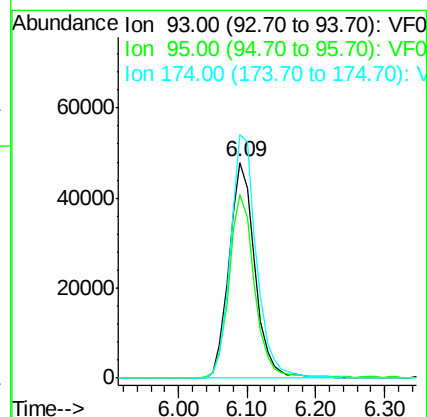
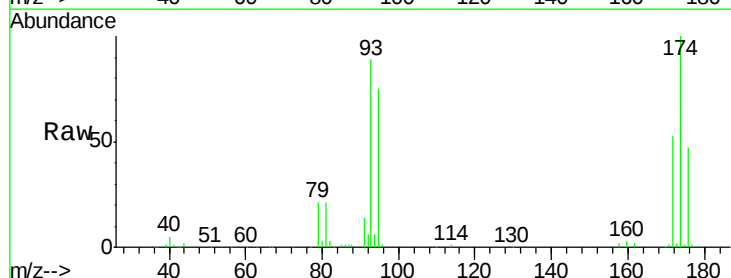
Tgt Ion: 93 Resp: 124281

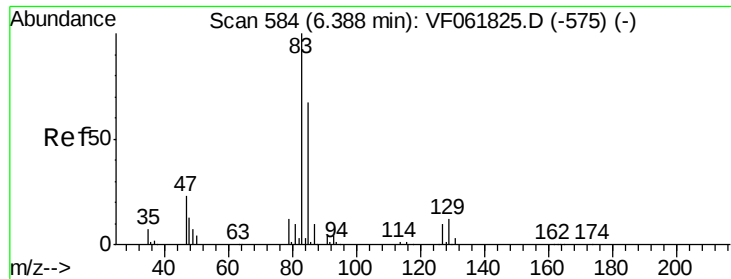
Ion Ratio Lower Upper

93 100

95 84.8 69.0 103.6

174 112.8 99.3 148.9





#47

Bromodichloromethane

Concen: 71.318 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

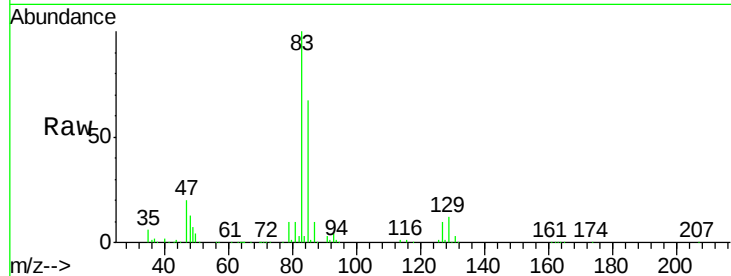
Tot Ion: 83 Resp: 275219

Ion Ratio Lower Upper

83 100

85 67.1 53.4 80.2

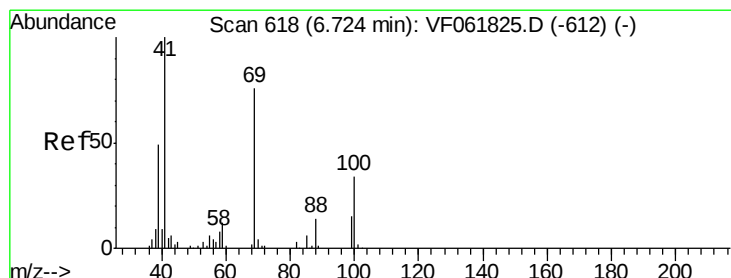
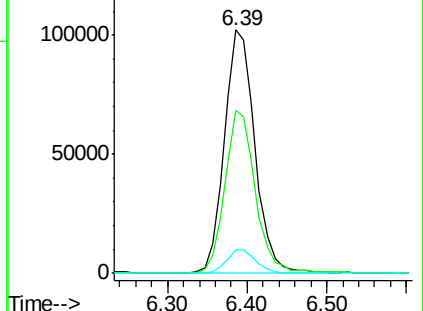
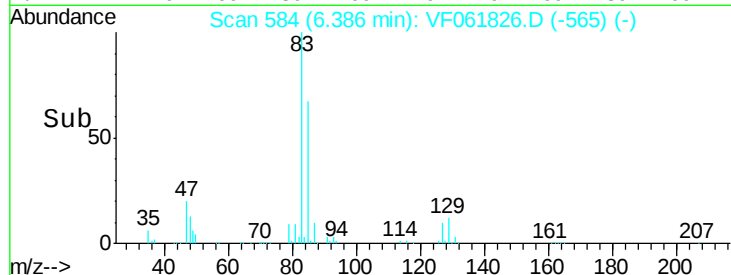
127 9.7 7.5 11.3



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: 66.926 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

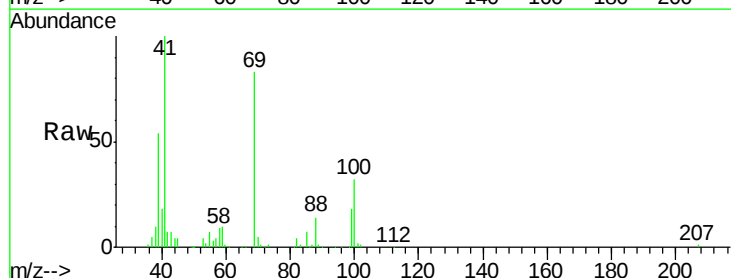
Tgt Ion: 41 Resp: 100238

Ion Ratio Lower Upper

41 100

69 83.0 60.4 90.6

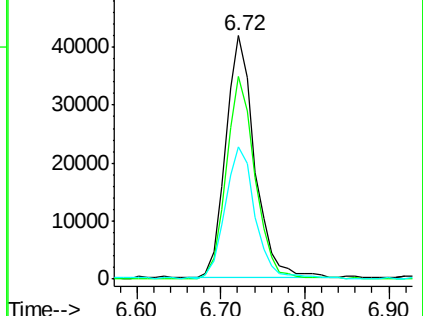
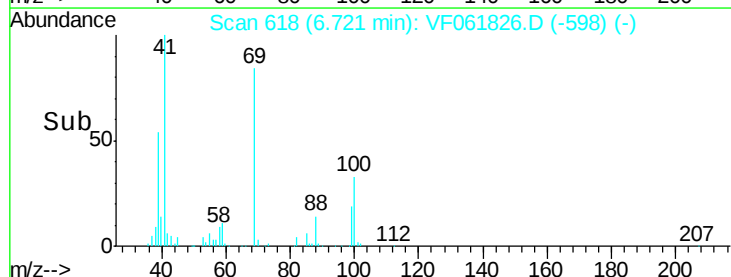
39 54.4 43.7 65.5



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

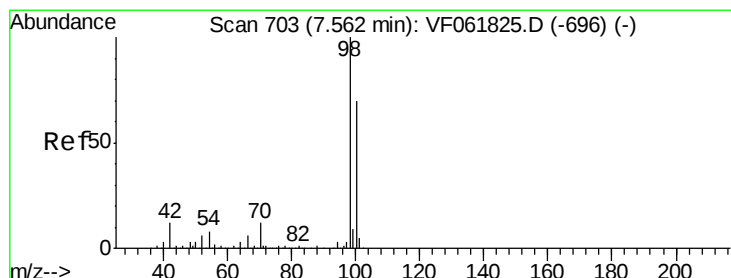
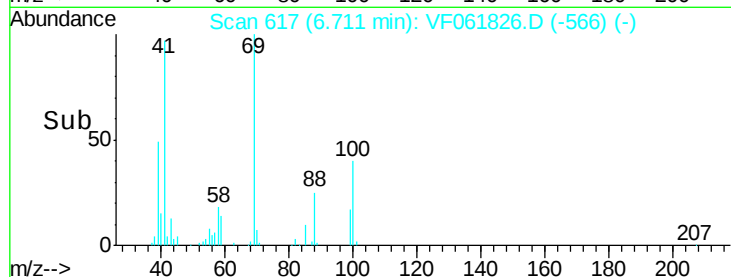
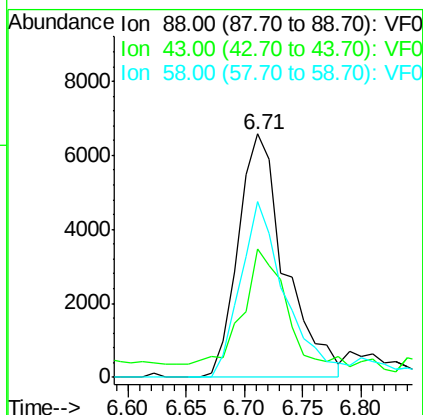
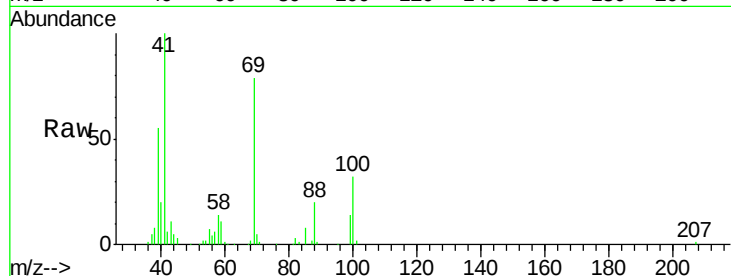




#49
1,4-Dioxane
Concen: 1305.438 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

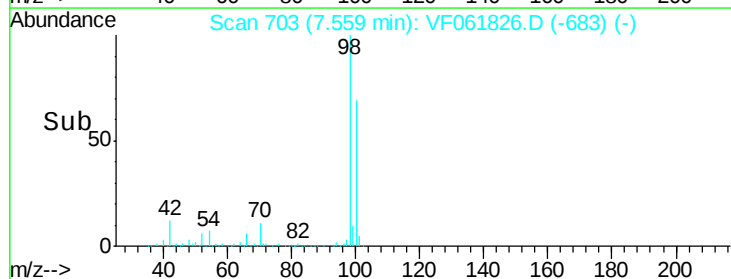
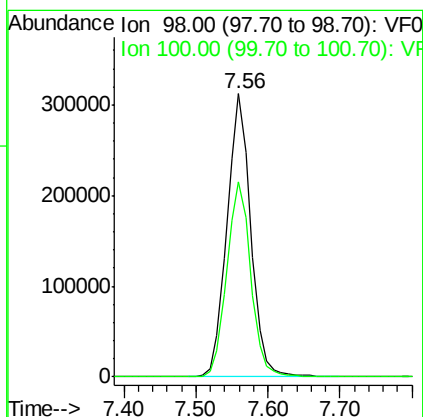
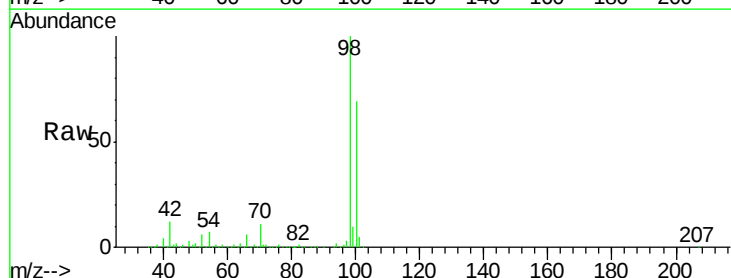
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

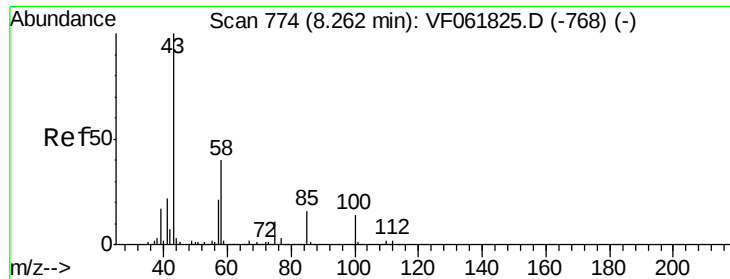
Tot Ion: 88 Resp: 18380
Ion Ratio Lower Upper
88 100
43 52.6 32.3 48.5#
58 72.3 59.4 89.2



#50
Toluene-d8
Concen: 73.522 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion: 98 Resp: 717224
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 290.637 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

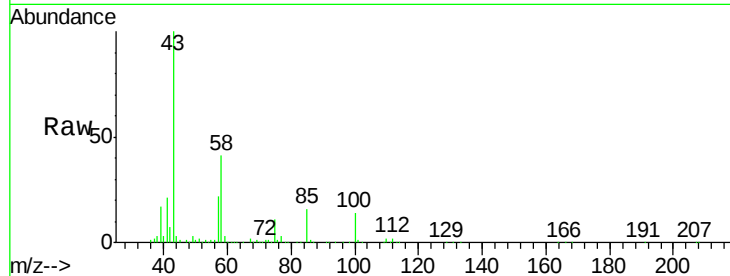
VSTDIC075

Tot Ion: 43 Resp: 516852

Ion Ratio Lower Upper

43 100

58 41.2 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

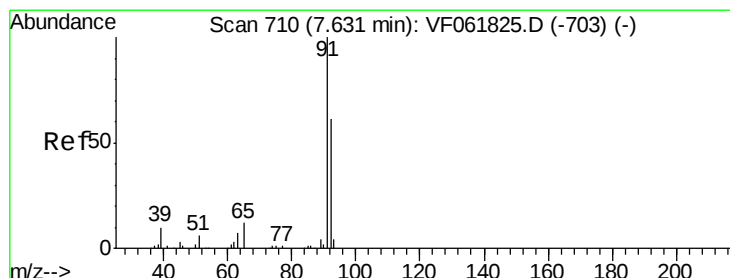
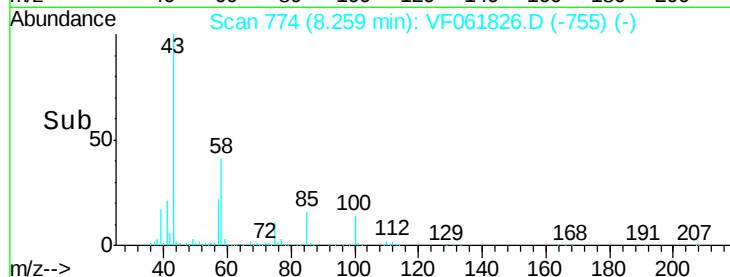
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 63.504 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061826.D

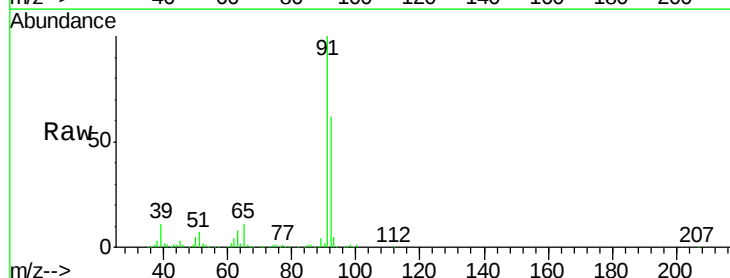
Acq: 4 Mar 2019 17:58

Tgt Ion: 92 Resp: 456032

Ion Ratio Lower Upper

92 100

91 161.0 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

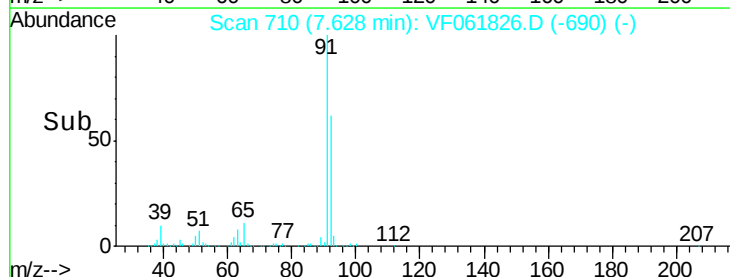
200000

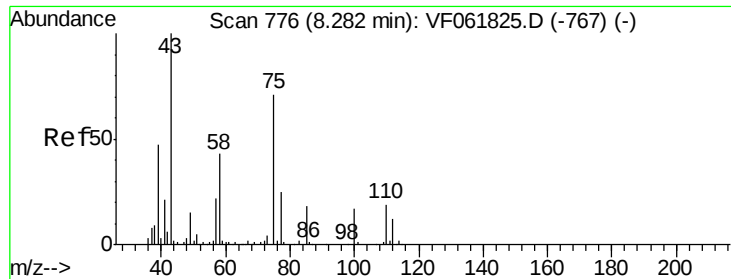
100000

0

7.50 7.60 7.70 7.80

Time-->

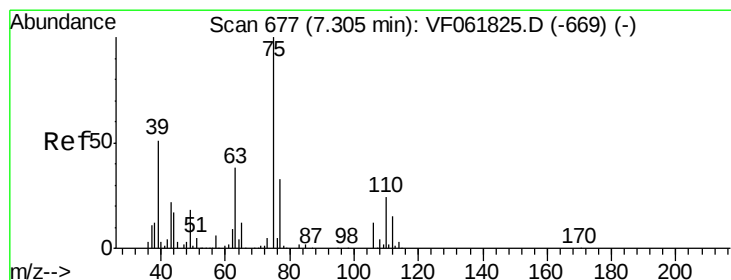
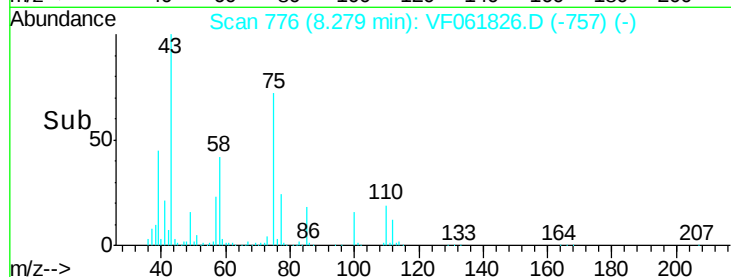
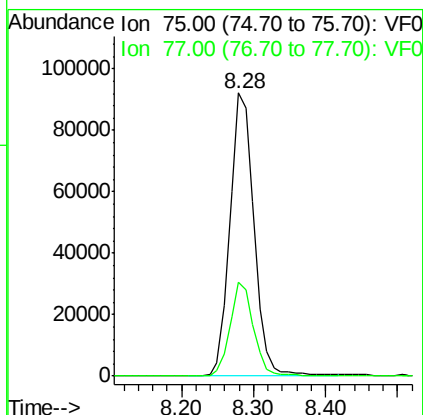
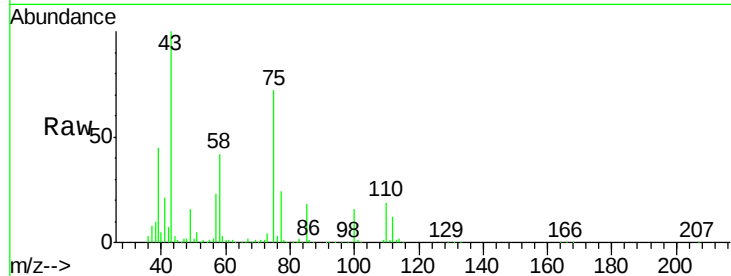




#53
 t-1,3-Dichloropropene
 Concen: 67.223 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

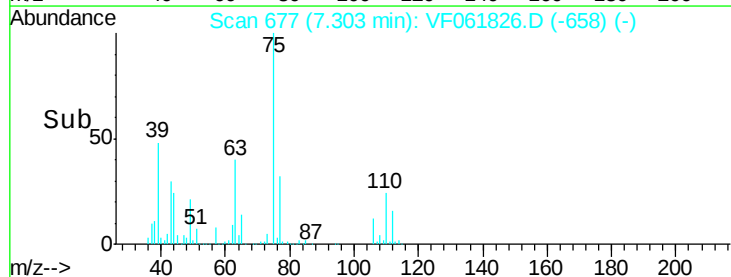
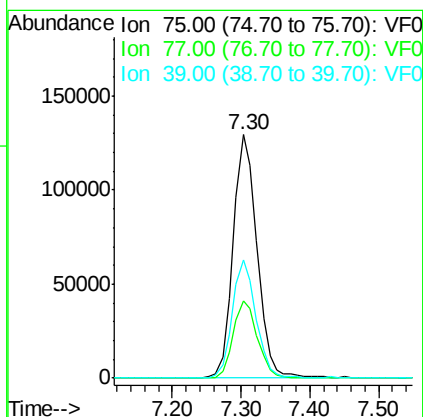
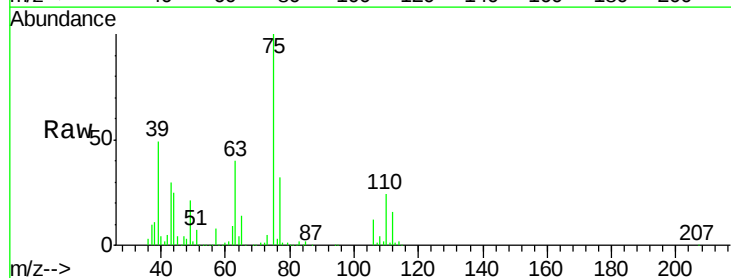
Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

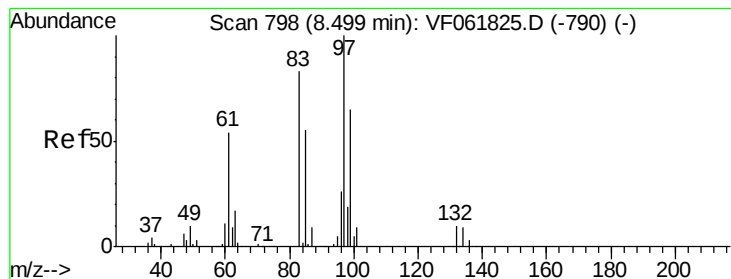
Tot Ion: 75 Resp: 215903
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 72.869 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion: 75 Resp: 311735
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.4 39.6
 39 48.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 64.467 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 136018

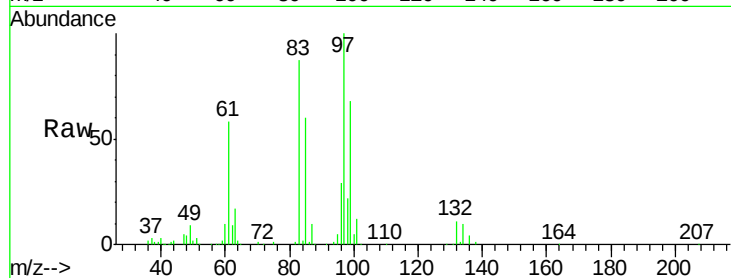
Ion Ratio Lower Upper

97 100

83 87.3 69.2 103.8

85 59.8 43.0 64.4

99 67.5 47.2 70.8

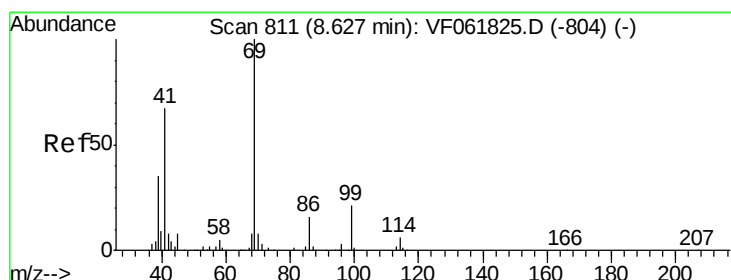
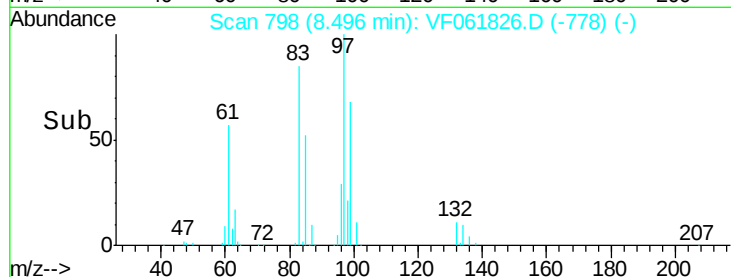
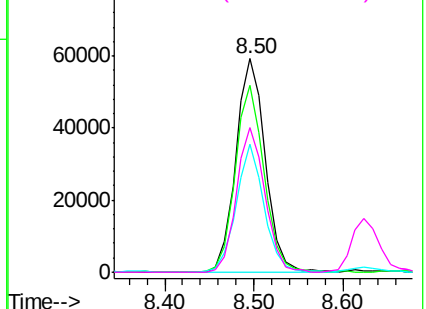


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 65.057 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

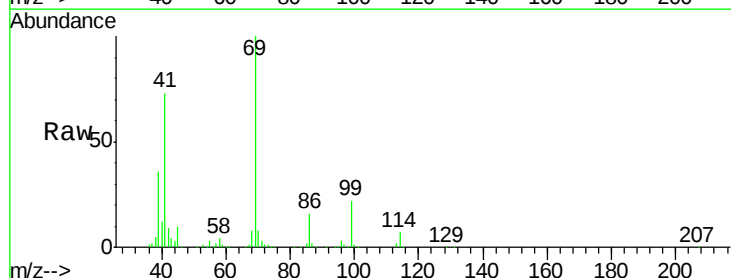
Tgt Ion: 69 Resp: 152824

Ion Ratio Lower Upper

69 100

41 72.6 52.9 79.3

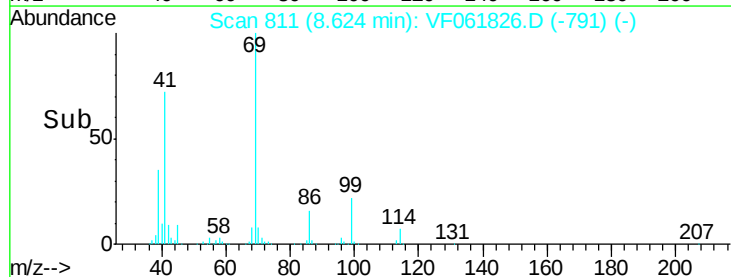
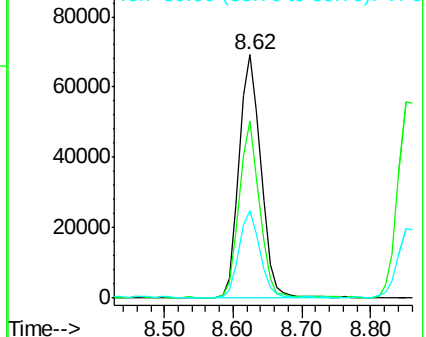
39 35.9 24.5 36.7

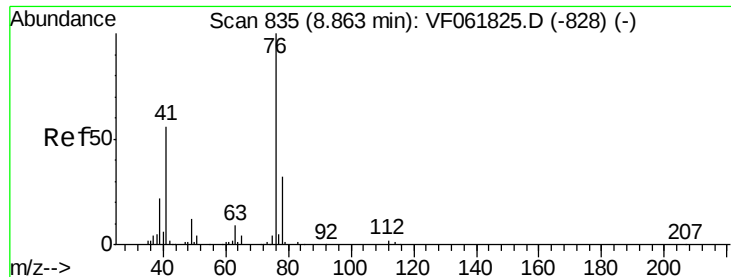


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 65.125 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

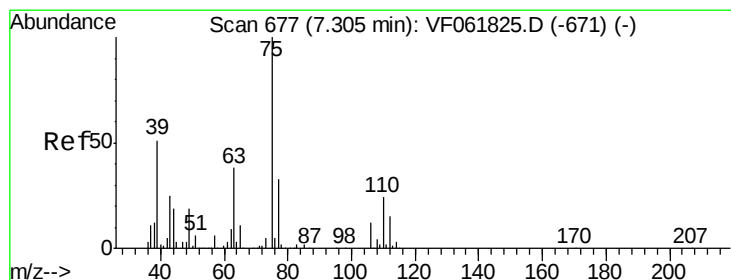
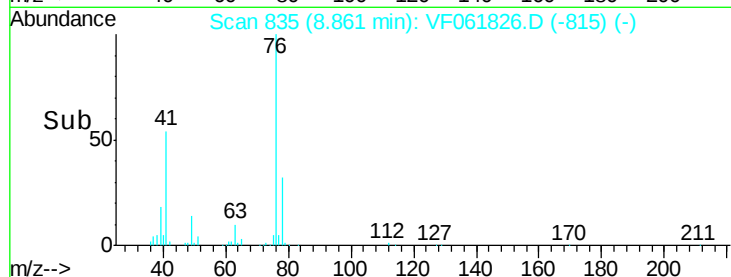
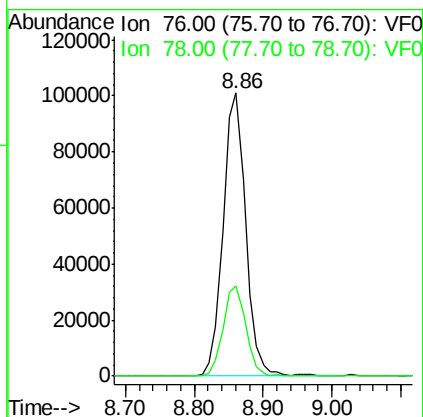
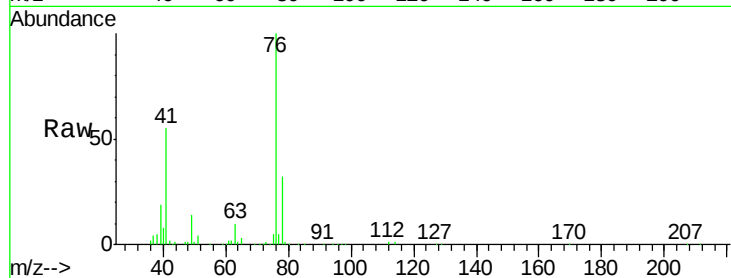
VSTDIC075

Tot Ion: 76 Resp: 229349

Ion Ratio Lower Upper

76 100

78 31.7 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 320.492 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061826.D

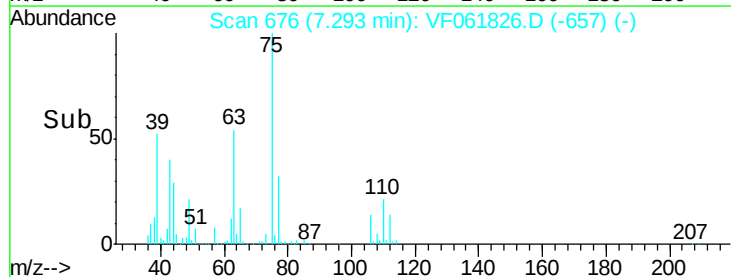
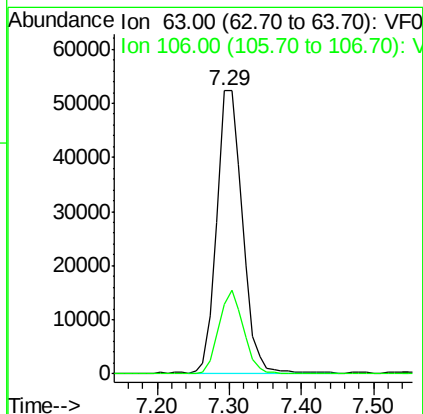
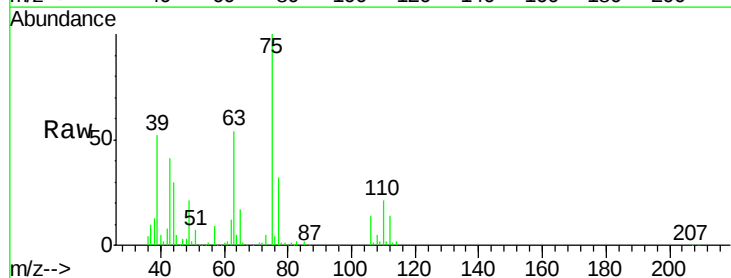
Acq: 4 Mar 2019 17:58

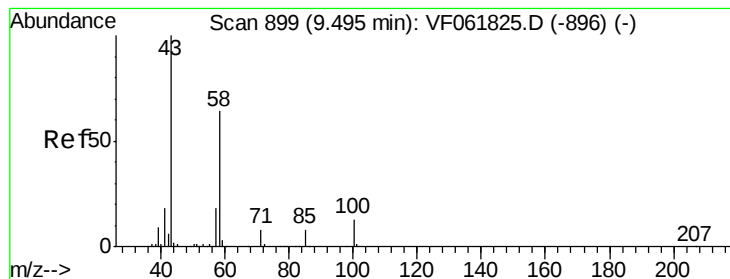
Tgt Ion: 63 Resp: 129895

Ion Ratio Lower Upper

63 100

106 24.8 24.6 36.8





#59

2-Hexanone

Concen: 299.574 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

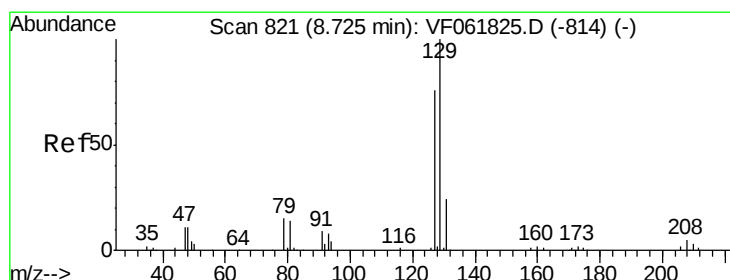
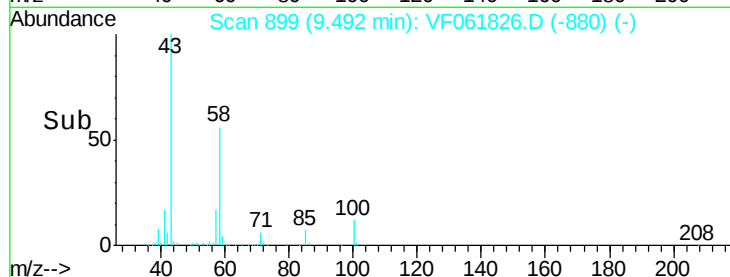
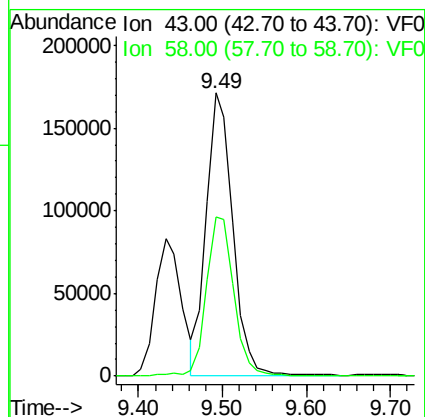
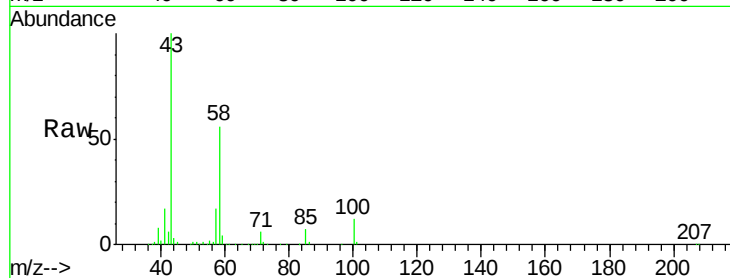
VSTDIC075

Tot Ion: 43 Resp: 373440

Ion Ratio Lower Upper

43 100

58 56.2 28.5 85.5



#60

Dibromochloromethane

Concen: 68.783 ug/l

RT: 8.72 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF061826.D

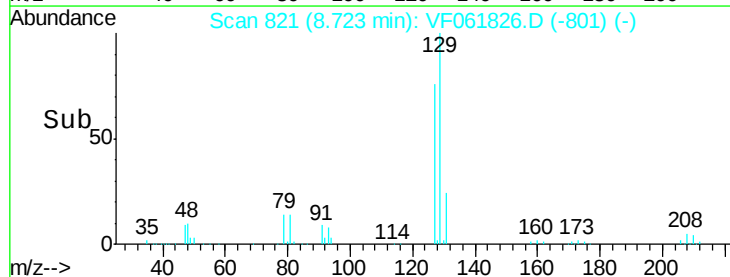
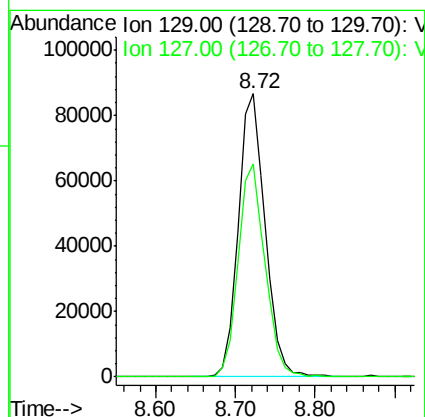
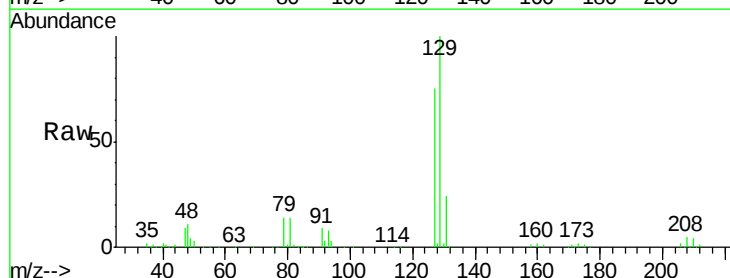
Acq: 4 Mar 2019 17:58

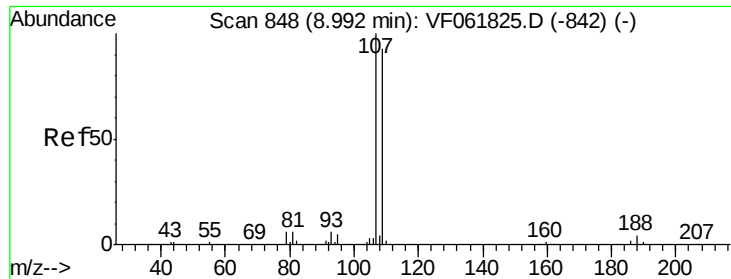
Tgt Ion: 129 Resp: 201995

Ion Ratio Lower Upper

129 100

127 75.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 66.714 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

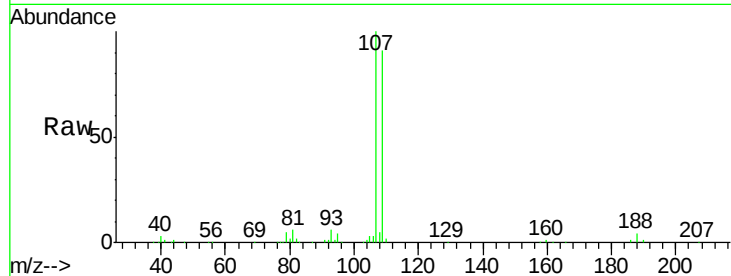
VSTDIC075

Tot Ion:107 Resp: 152673

Ion Ratio Lower Upper

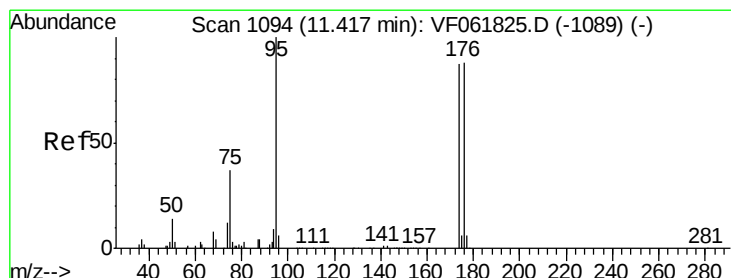
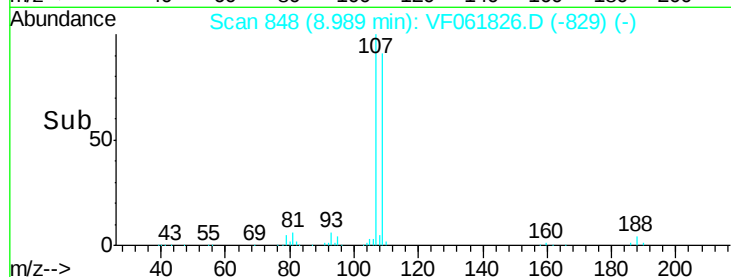
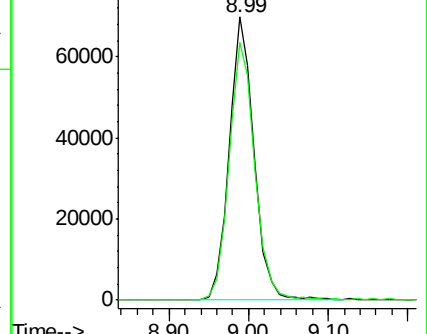
107 100

109 91.2 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 69.221 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

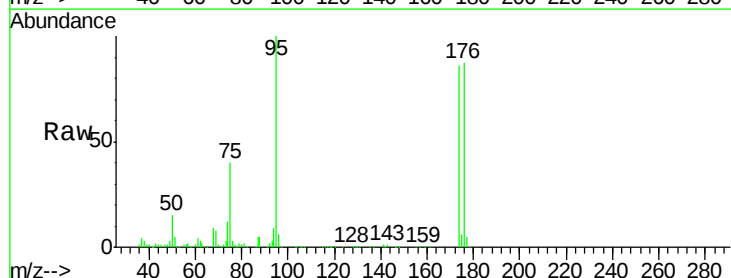
Tgt Ion: 95 Resp: 273227

Ion Ratio Lower Upper

95 100

174 86.3 0.0 165.8

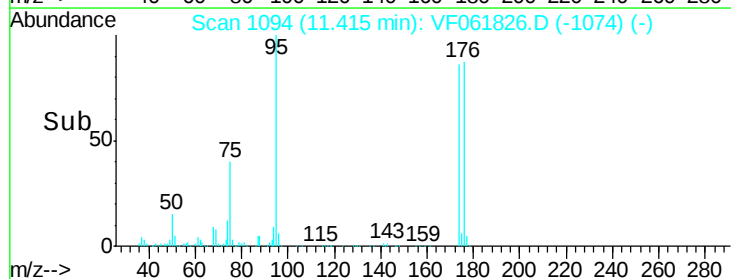
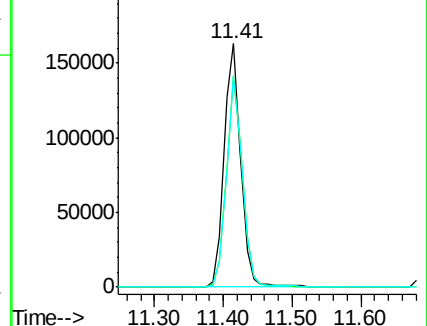
176 86.9 0.0 167.0

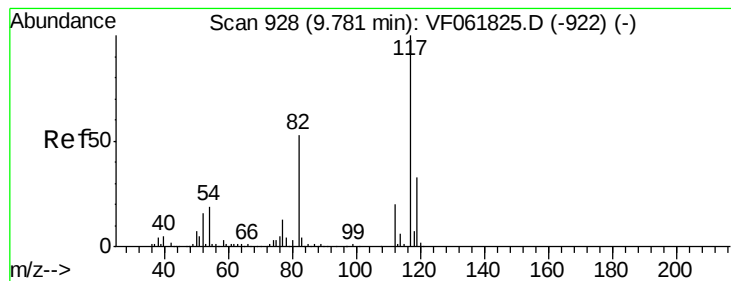


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

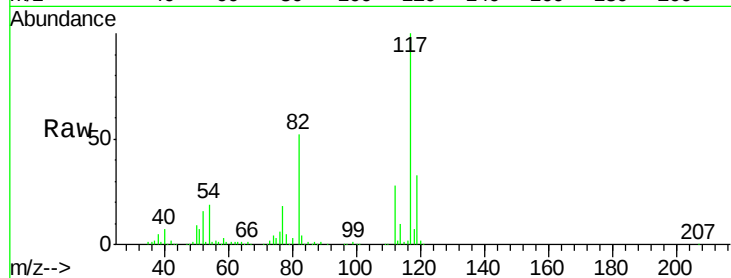
Tot Ion:117 Resp: 405905

Ion Ratio Lower Upper

117 100

82 51.9 39.3 58.9

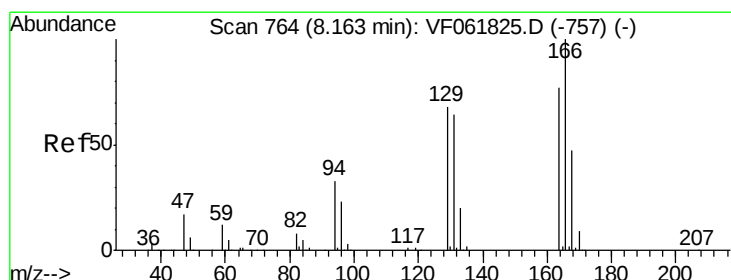
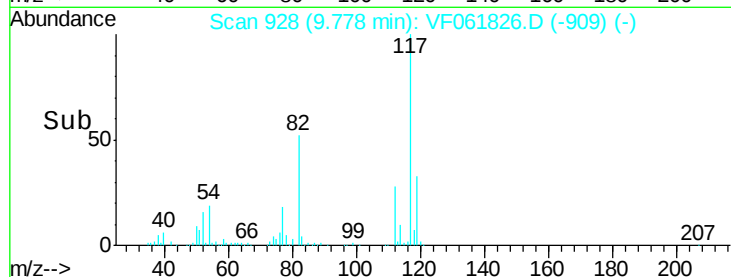
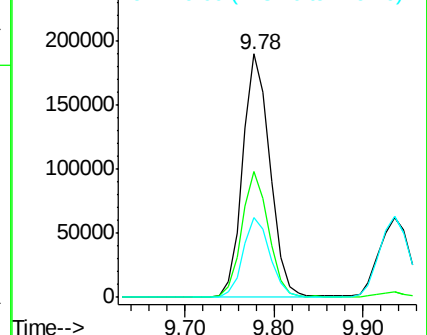
119 33.0 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 66.747 ug/l

RT: 8.16 min Scan# 764

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Tgt Ion:164 Resp: 221453

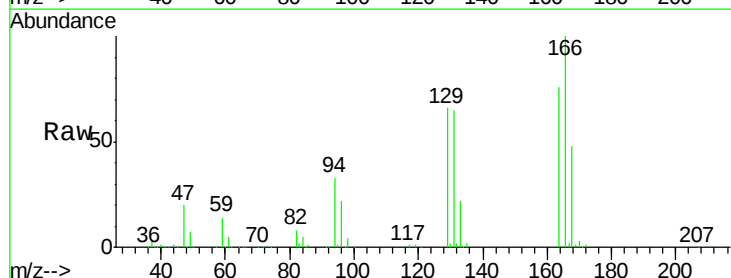
Ion Ratio Lower Upper

164 100

166 131.1 103.9 155.9

129 86.7 71.3 106.9

131 85.3 67.1 100.7

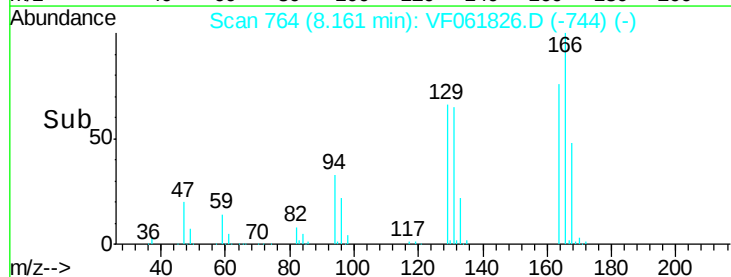
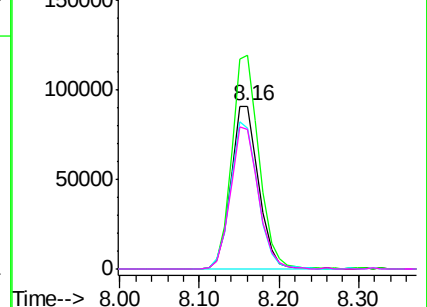


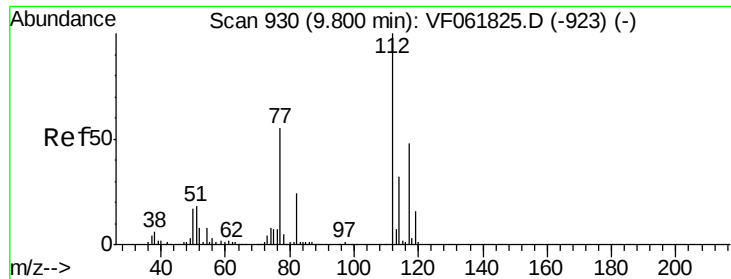
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 67.440 ug/l

RT: 9.81 min Scan# 931

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

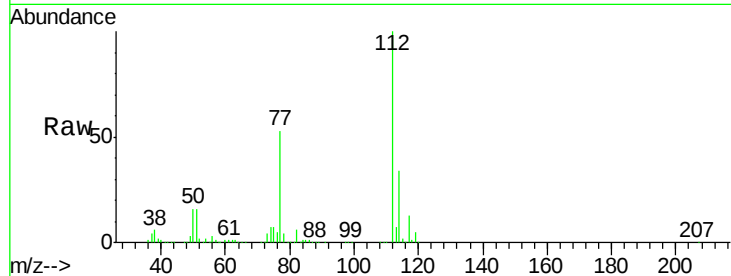
VSTDIC075

Tot Ion:112 Resp: 555484

Ion Ratio Lower Upper

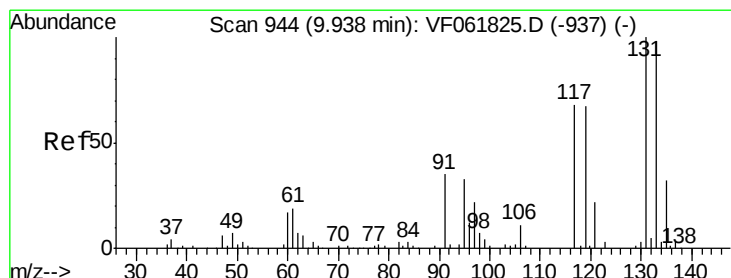
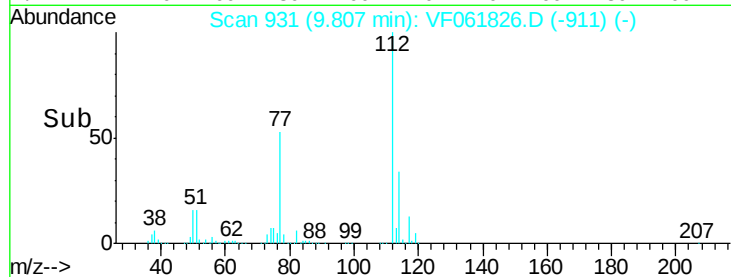
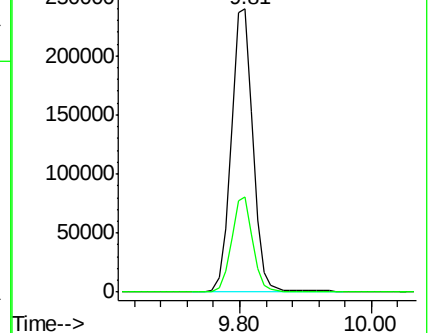
112 100

114 33.5 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 65.146 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

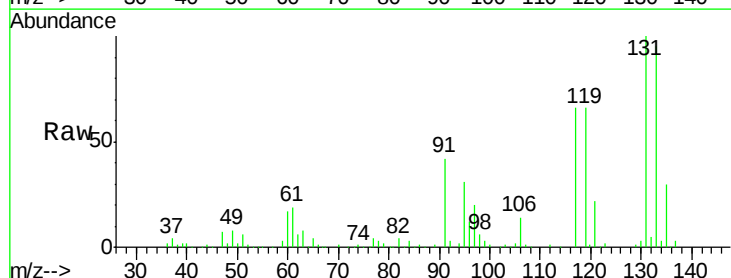
Tgt Ion:131 Resp: 210264

Ion Ratio Lower Upper

131 100

133 95.2 48.9 146.6

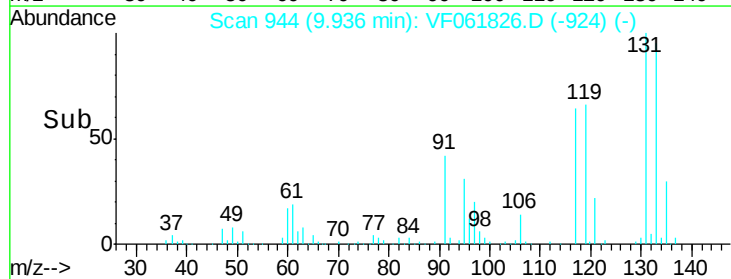
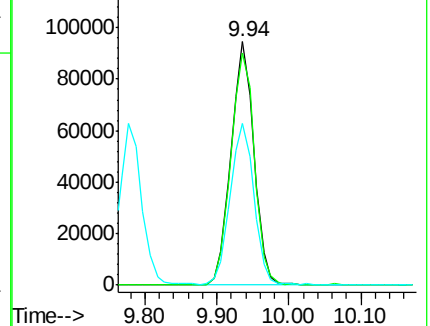
119 66.3 34.8 104.3

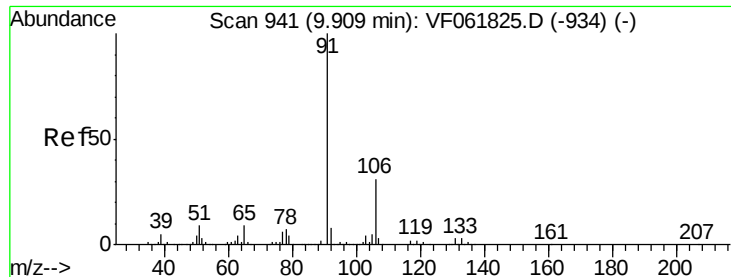


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 63.349 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

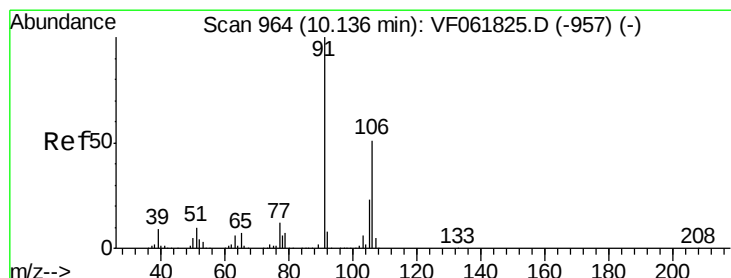
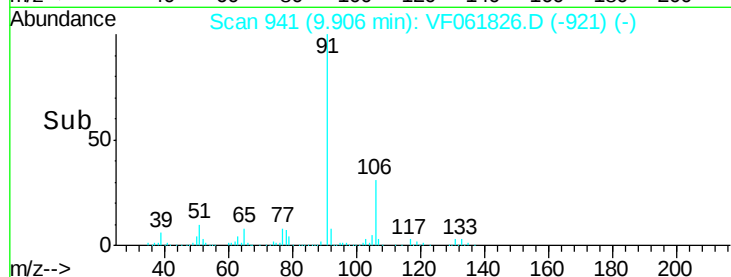
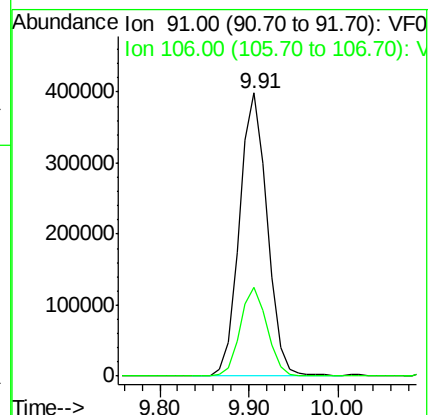
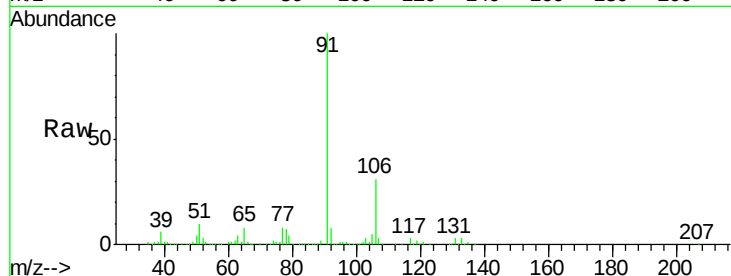
VSTDIC075

Tot Ion: 91 Resp: 867723

Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1



#68

m/p-Xylenes

Concen: 133.319 ug/l

RT: 10.14 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF061826.D

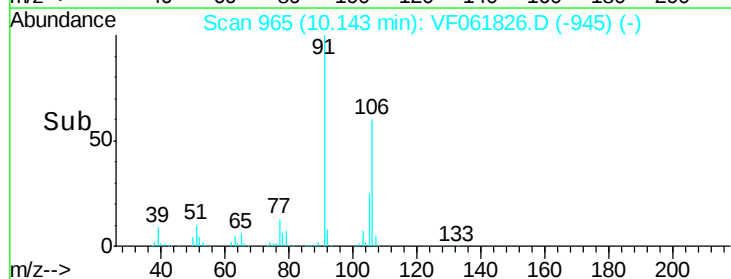
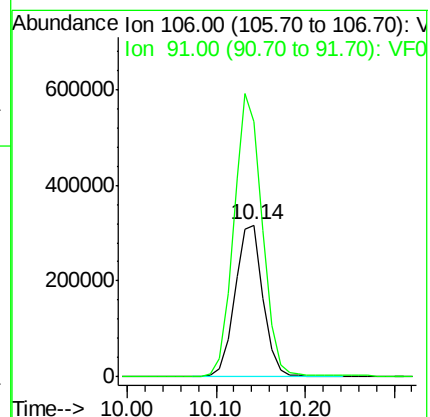
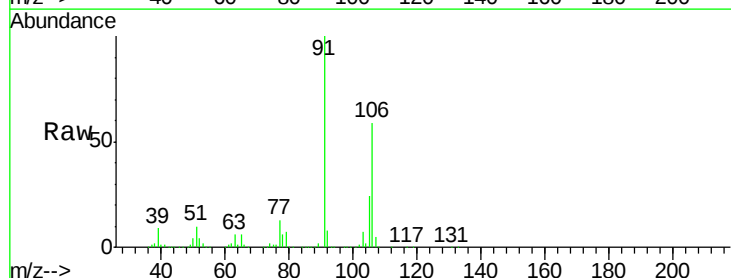
Acq: 4 Mar 2019 17:58

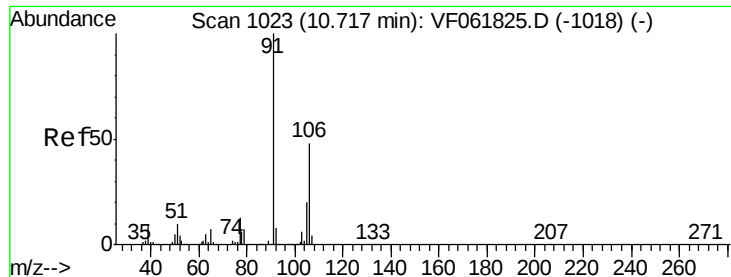
Tgt Ion:106 Resp: 698891

Ion Ratio Lower Upper

106 100

91 168.3 153.0 229.6

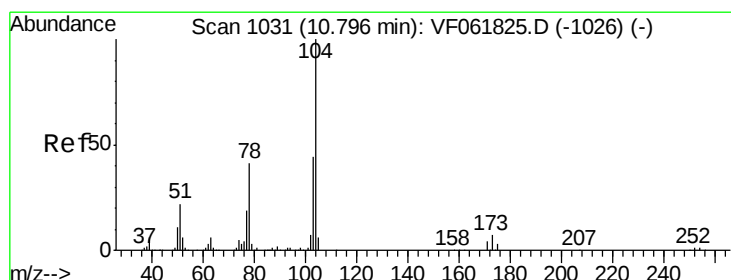
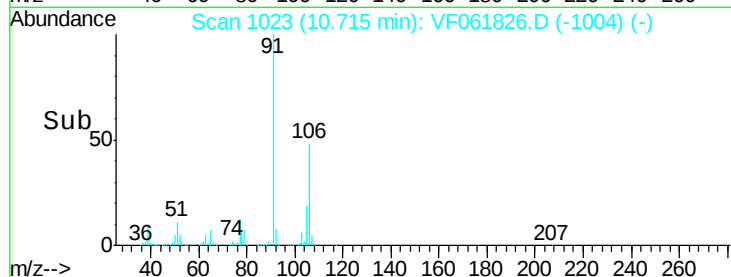
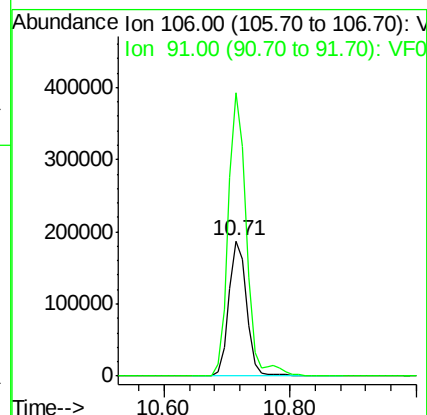
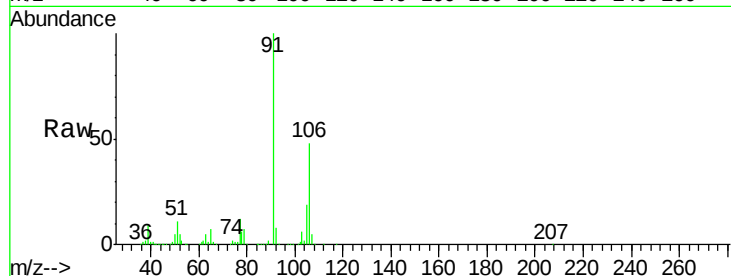




#69
o-Xylene
Concen: 65.317 ug/l
RT: 10.71 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

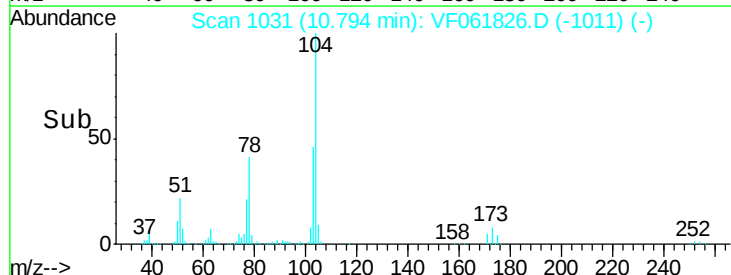
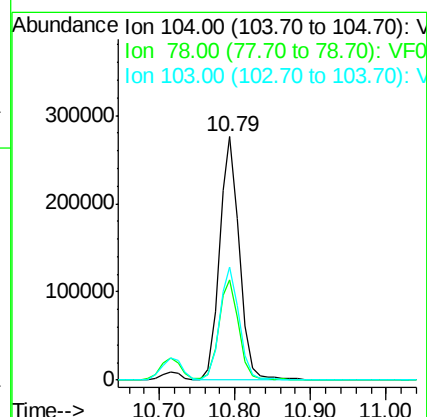
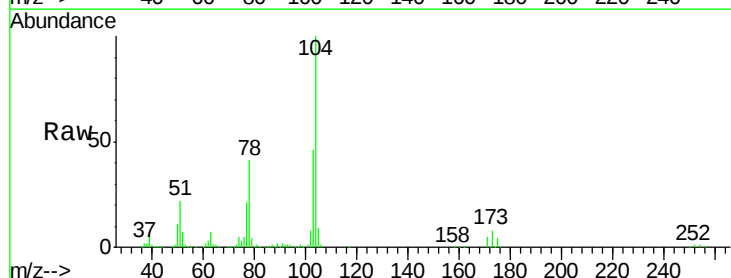
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

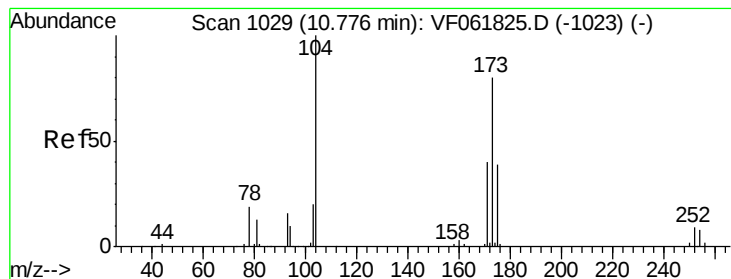
Tot Ion:106 Resp: 365371
Ion Ratio Lower Upper
106 100
91 208.9 100.1 300.1



#70
Styrene
Concen: 63.749 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion:104 Resp: 504469
Ion Ratio Lower Upper
104 100
78 41.4 33.2 49.8
103 46.4 37.2 55.8





#71

Bromoform

Concen: 63.597 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

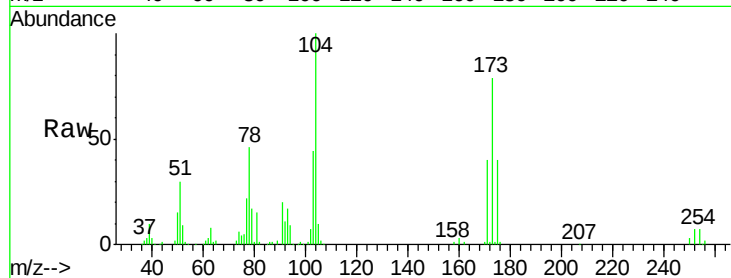
Tot Ion:173 Resp: 111462

Ion Ratio Lower Upper

173 100

175 50.3 24.0 72.0

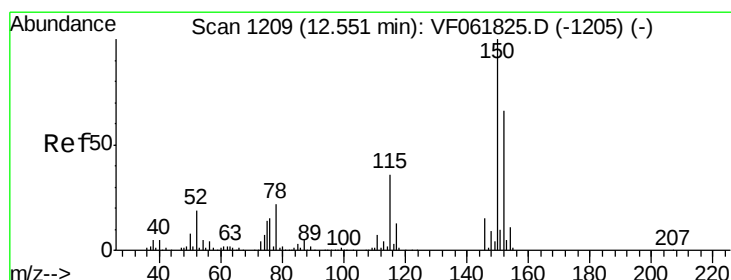
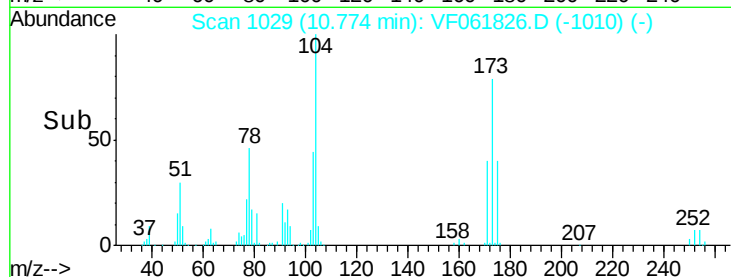
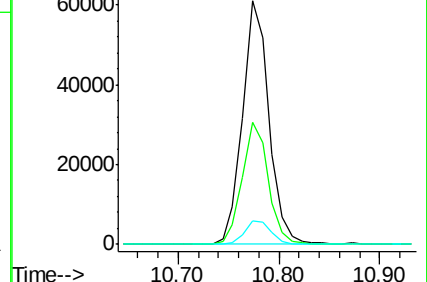
254 9.5 8.2 12.2



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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

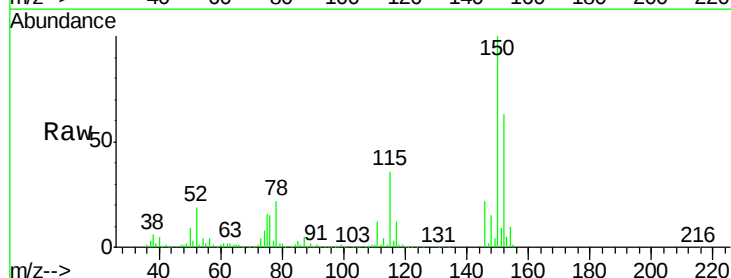
Tgt Ion:152 Resp: 210258

Ion Ratio Lower Upper

152 100

115 57.2 24.3 72.8

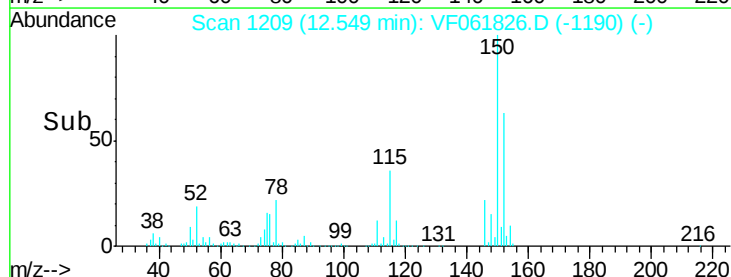
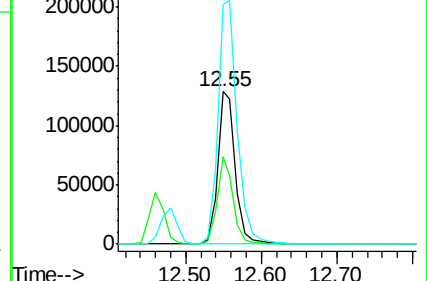
150 157.7 0.0 312.0

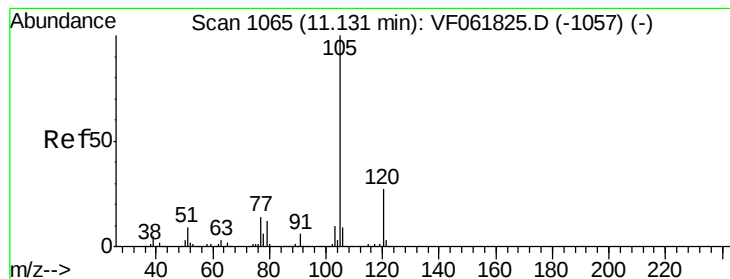


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 69.664 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

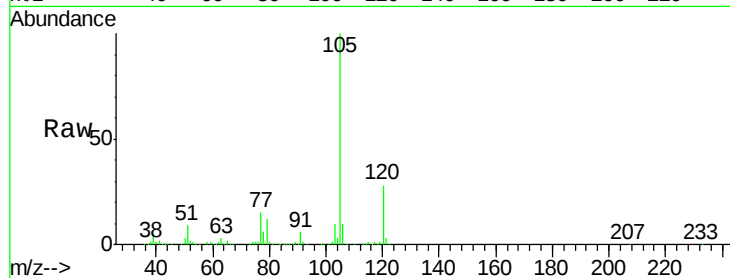
VSTDIC075

Tot Ion:105 Resp: 1042867

Ion Ratio Lower Upper

105 100

120 27.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

600000

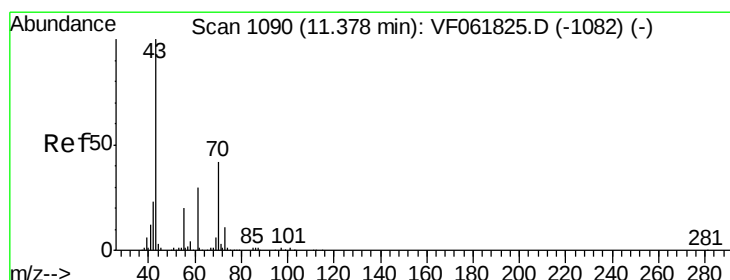
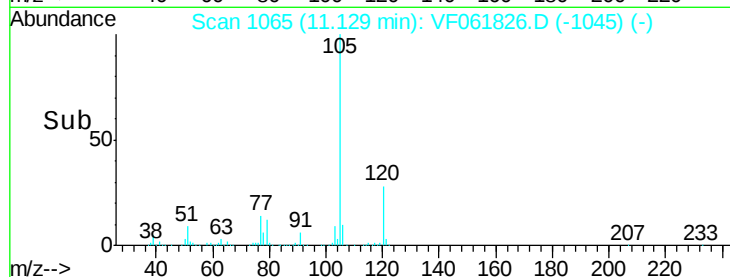
400000

200000

0

11.00 11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 64.402 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Tgt Ion: 43 Resp: 231405

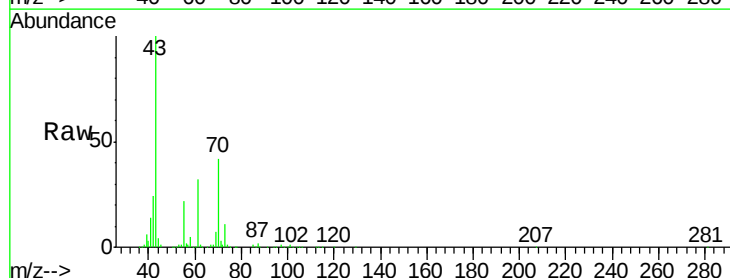
Ion Ratio Lower Upper

43 100

70 42.4 31.5 47.3

55 22.3 16.7 25.1

61 32.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.38

200000

150000

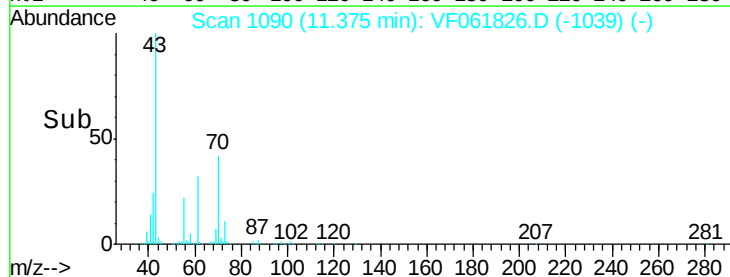
100000

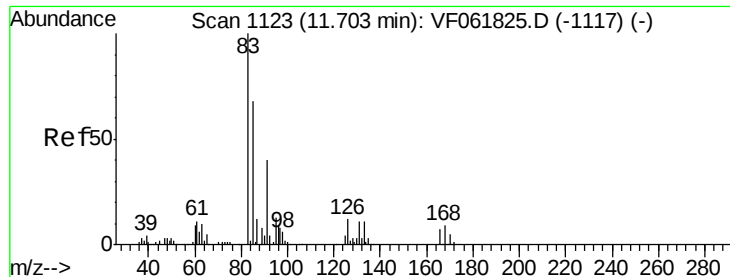
50000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 63.457 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

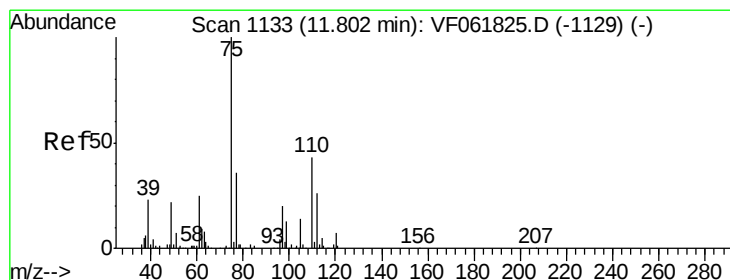
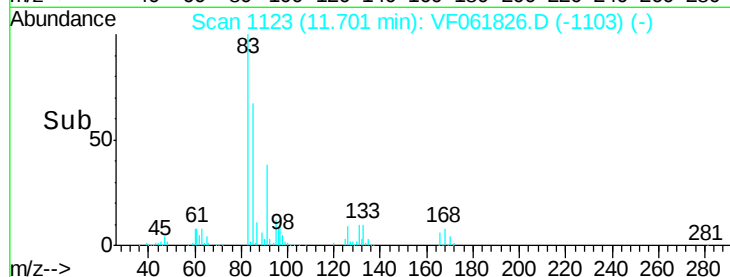
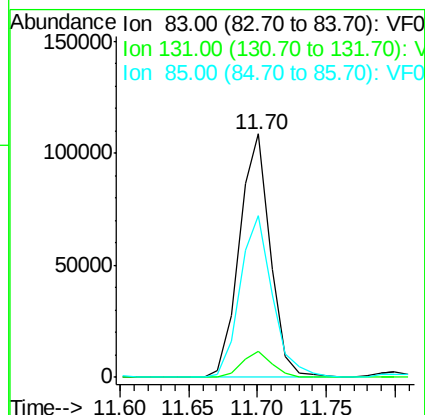
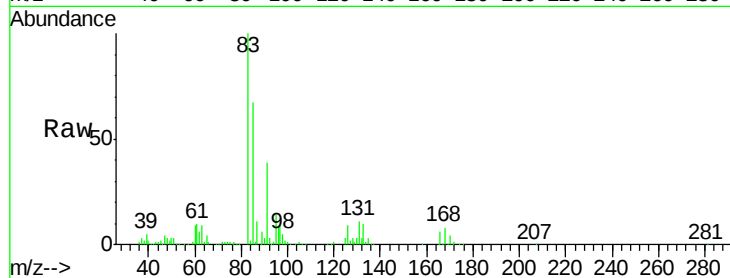
Tot Ion: 83 Resp: 170188

Ion Ratio Lower Upper

83 100

131 10.6 4.4 13.2

85 66.6 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 64.774 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061826.D

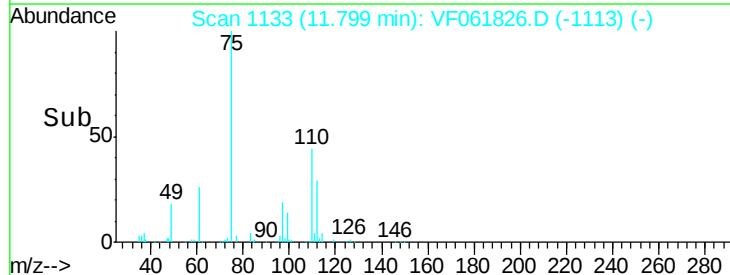
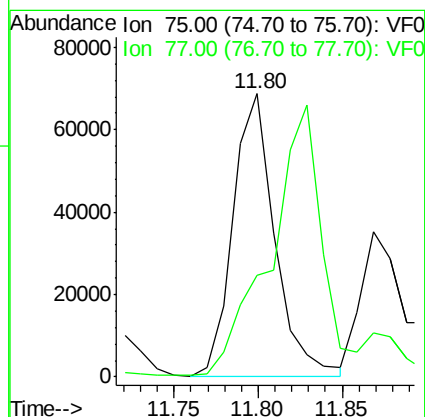
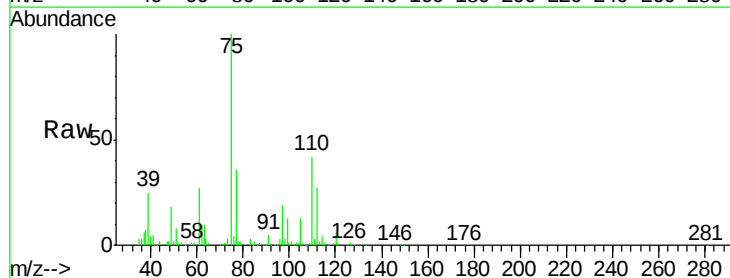
Acq: 4 Mar 2019 17:58

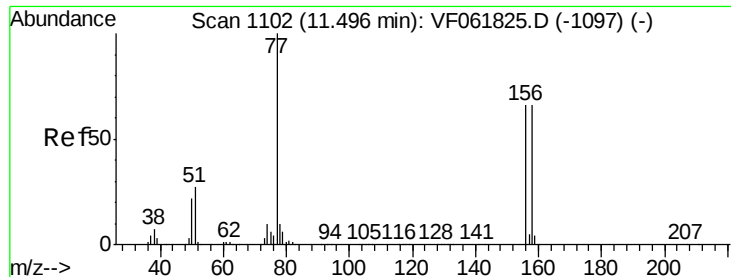
Tgt Ion: 75 Resp: 118109

Ion Ratio Lower Upper

75 100

77 36.0 16.6 49.7





#77

Bromobenzene

Concen: 65.305 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

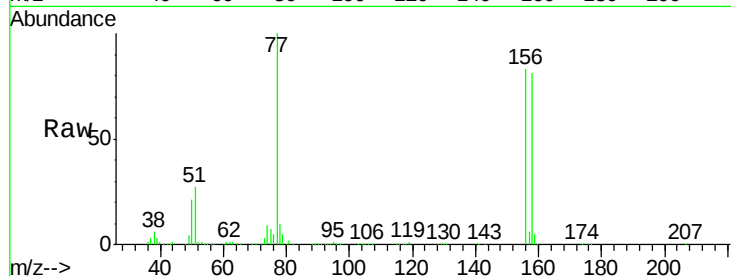
Tot Ion:156 Resp: 241514

Ion Ratio Lower Upper

156 100

77 120.7 64.3 192.7

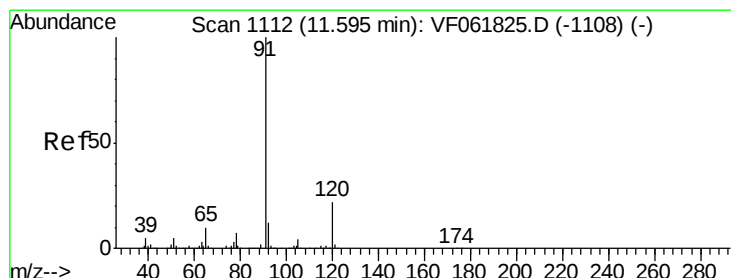
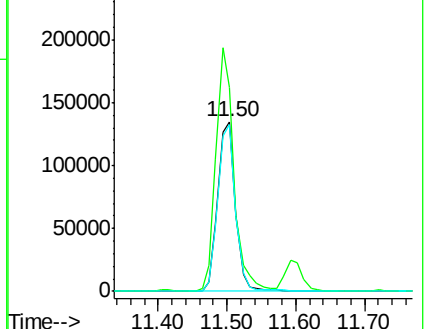
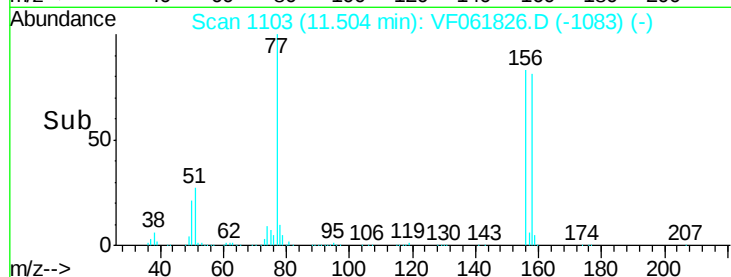
158 98.2 50.9 152.7



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: 64.899 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061826.D

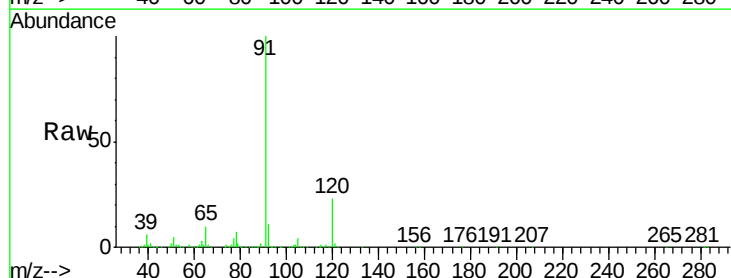
Acq: 4 Mar 2019 17:58

Tgt Ion: 91 Resp: 1114873

Ion Ratio Lower Upper

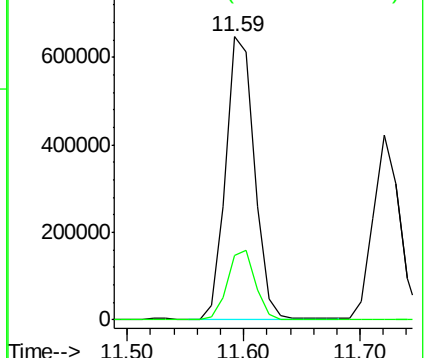
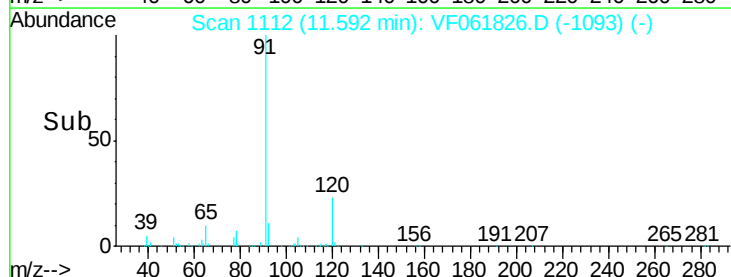
91 100

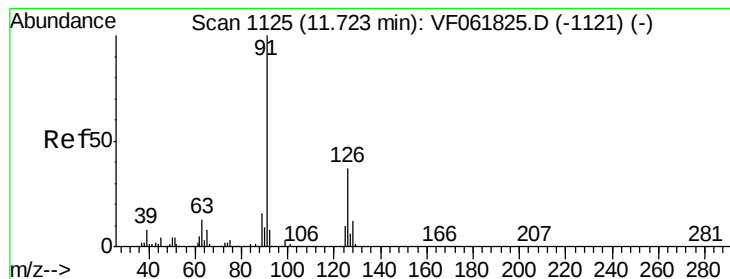
120 22.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 68.737 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

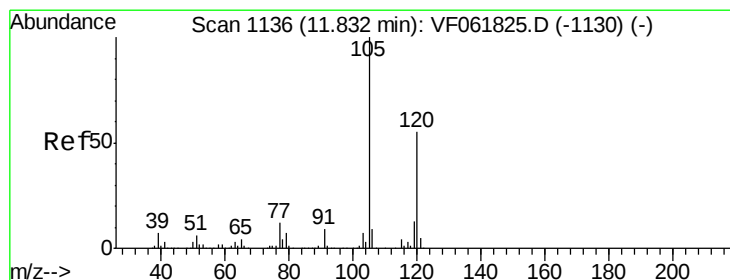
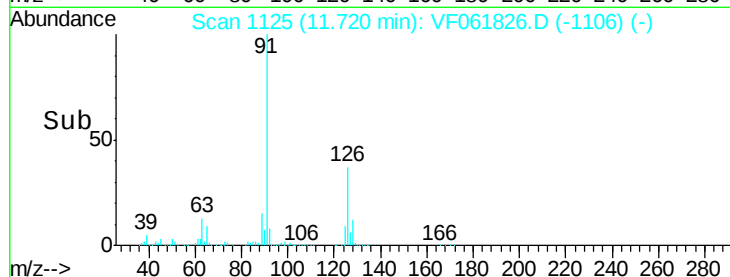
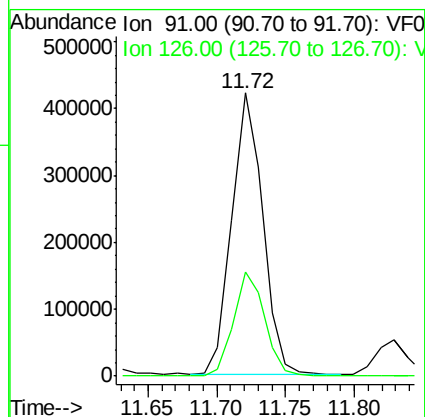
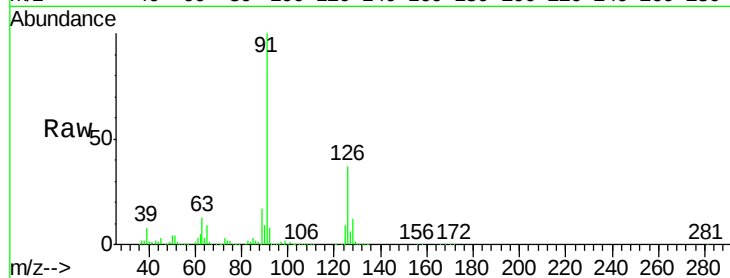
VSTDIC075

Tot Ion: 91 Resp: 661302

Ion Ratio Lower Upper

91 100

126 36.9 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 68.368 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF061826.D

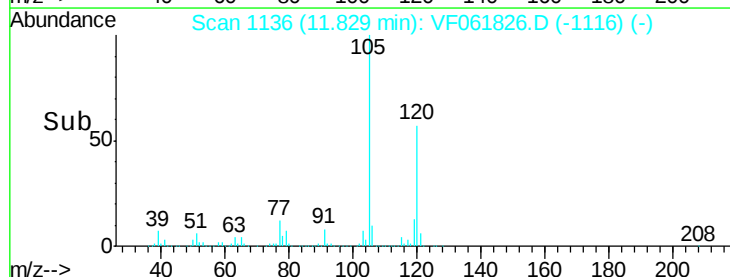
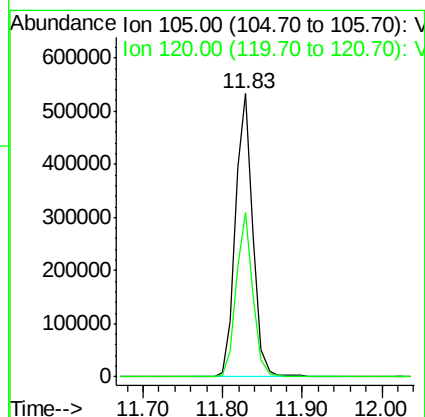
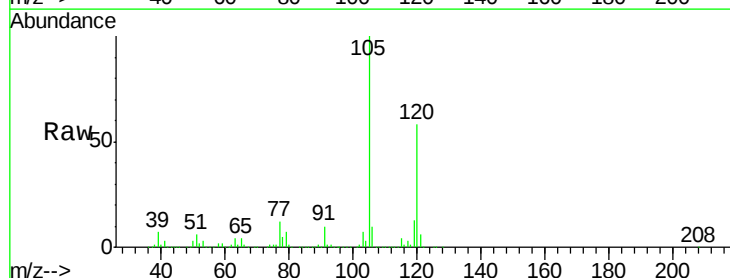
Acq: 4 Mar 2019 17:58

Tgt Ion: 105 Resp: 817993

Ion Ratio Lower Upper

105 100

120 57.9 27.9 83.6

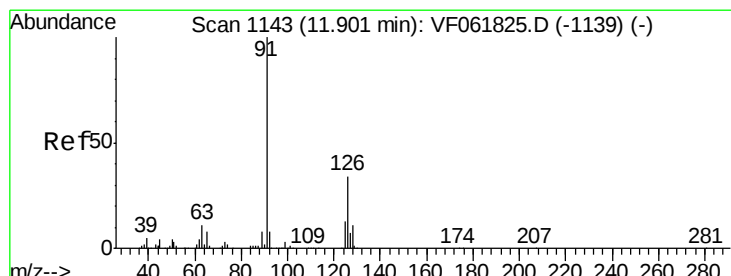
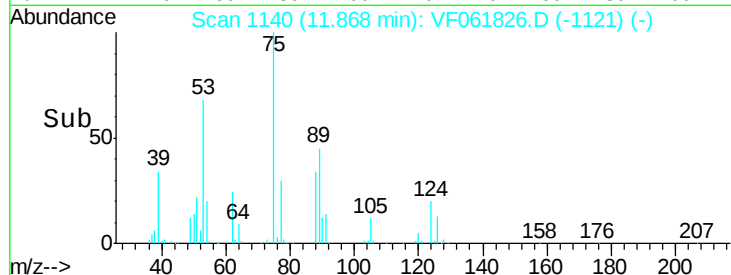
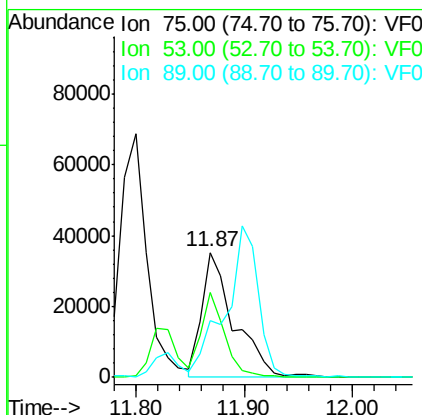
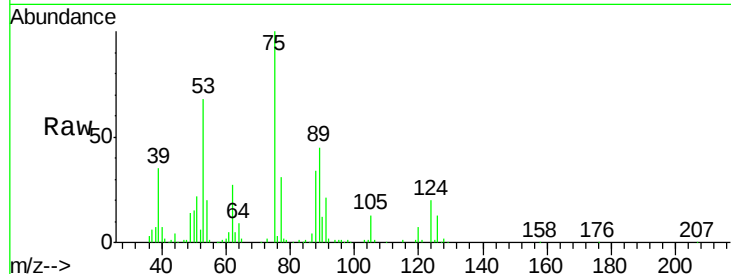




#81
trans-1,4-Dichloro-2-butene
Concen: 83.174 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

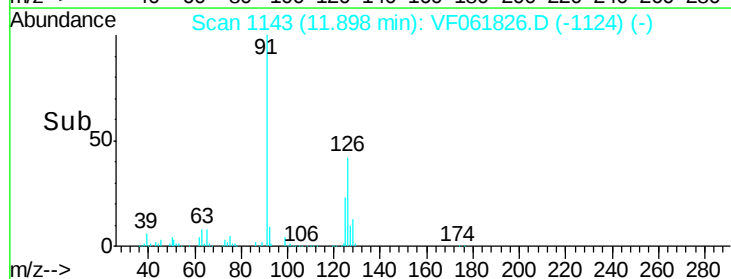
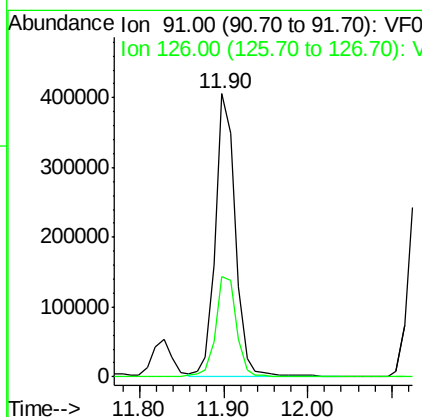
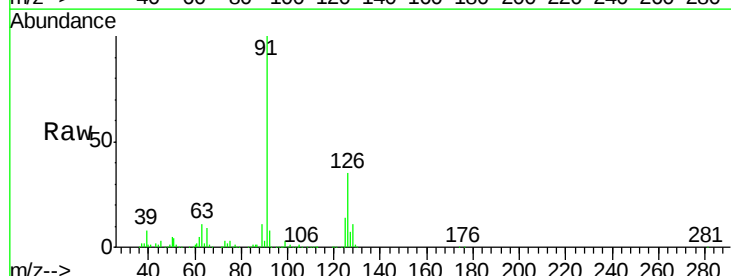
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

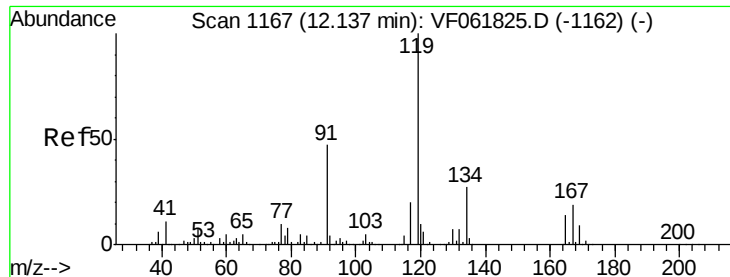
Tot Ion: 75 Resp: 72708
Ion Ratio Lower Upper
75 100
53 67.7 53.7 80.5
89 45.2 41.6 62.4



#82
4-Chlorotoluene
Concen: 66.480 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion: 91 Resp: 663855
Ion Ratio Lower Upper
91 100
126 35.3 19.1 57.1

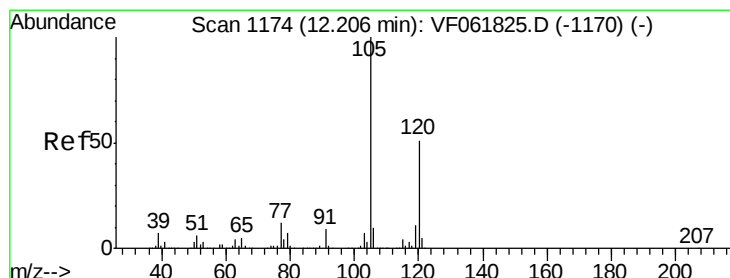
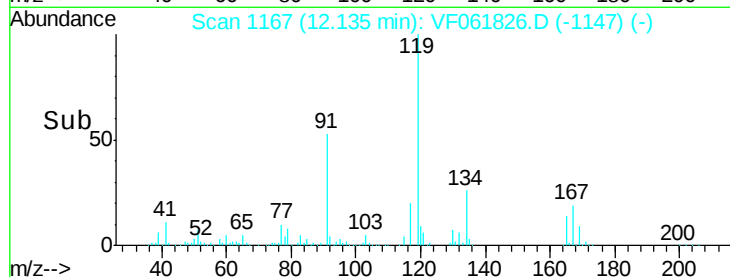
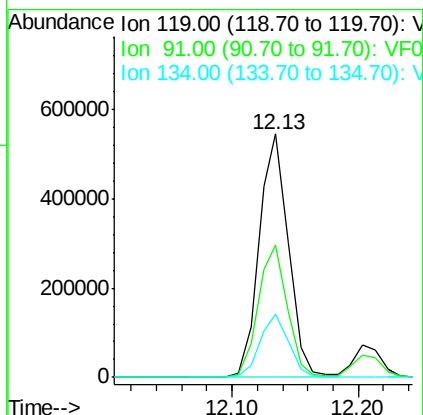
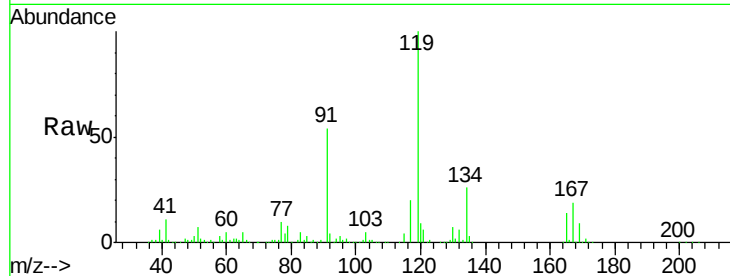




#83
 tert-Butylbenzene
 Concen: 66.537 ug/l
 RT: 12.13 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

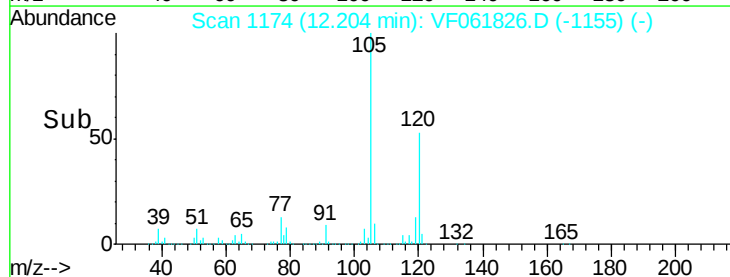
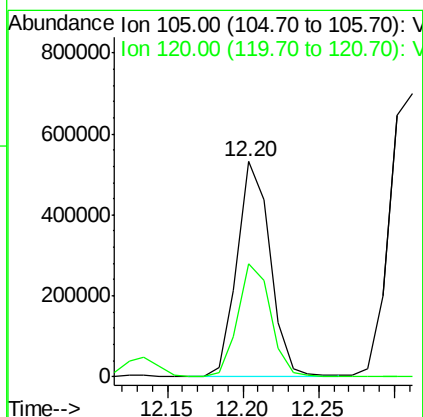
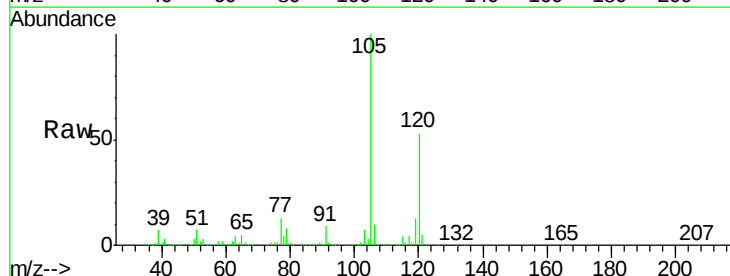
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

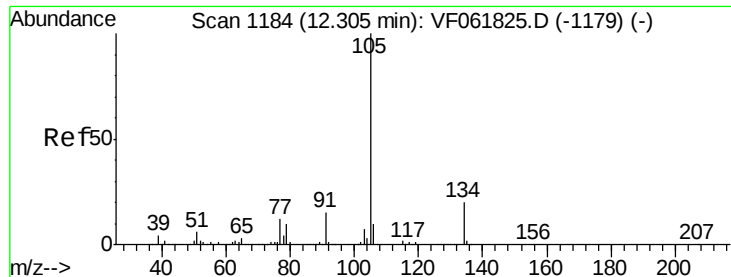
Tot Ion:119 Resp: 881754
 Ion Ratio Lower Upper
 119 100
 91 54.3 26.3 78.8
 134 26.1 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 68.081 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion:105 Resp: 809257
 Ion Ratio Lower Upper
 105 100
 120 52.6 26.1 78.3





#85

sec-Butylbenzene

Concen: 66.245 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

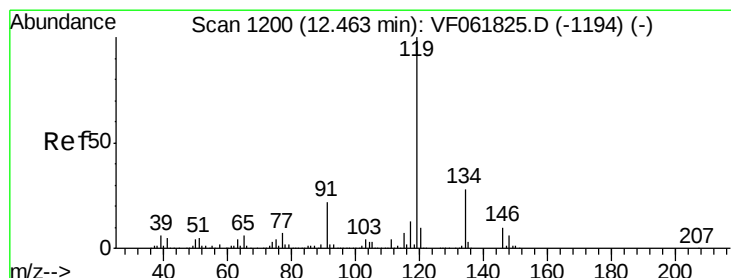
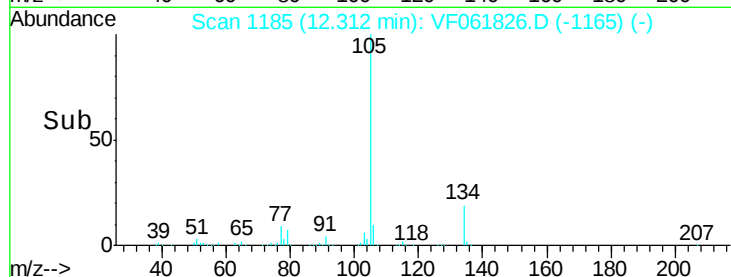
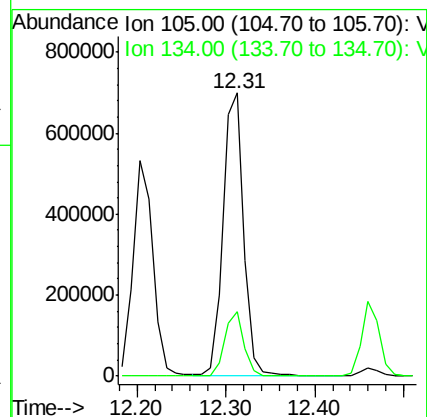
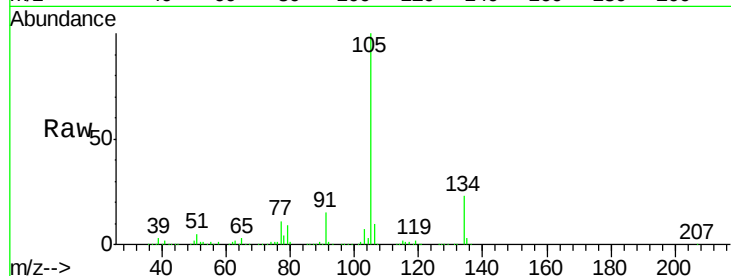
VSTDIC075

Tot Ion:105 Resp: 1135249

Ion Ratio Lower Upper

105 100

134 23.0 10.8 32.4



#86

p-Isopropyltoluene

Concen: 65.974 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

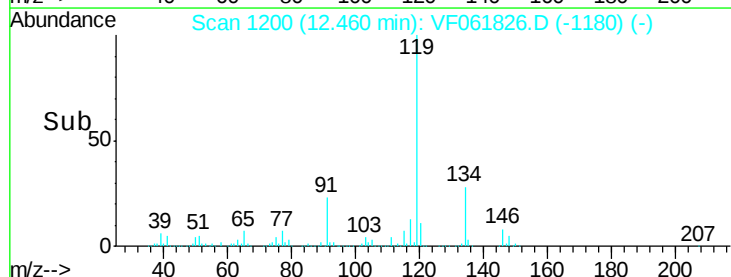
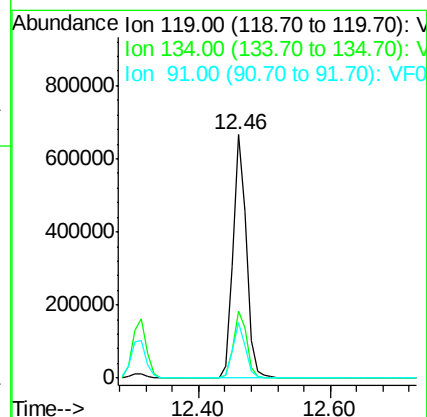
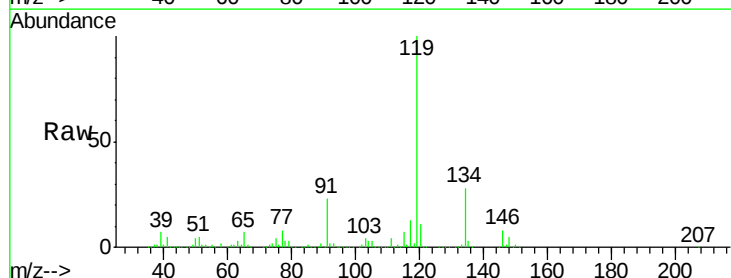
Tgt Ion:119 Resp: 948854

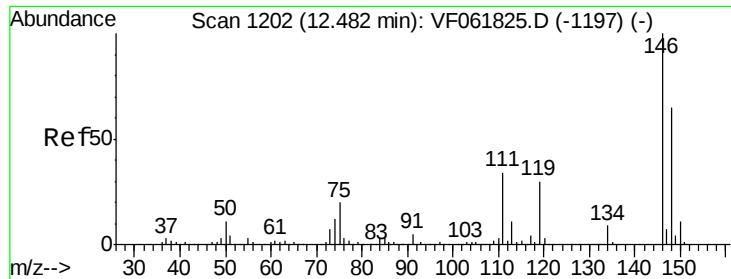
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 22.7 10.8 32.4

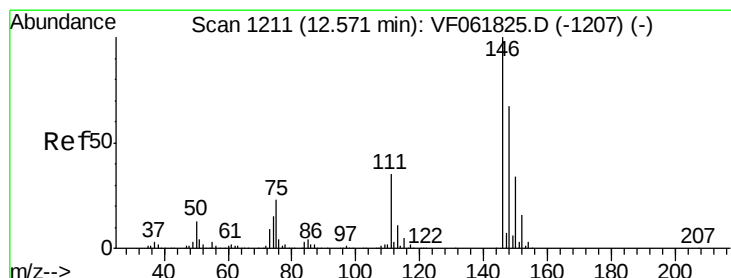
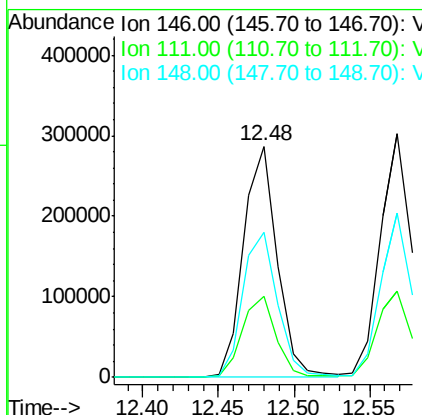
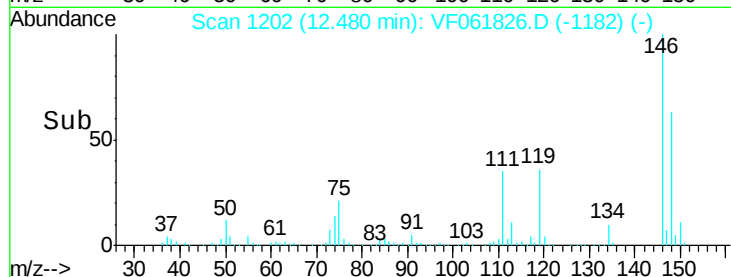
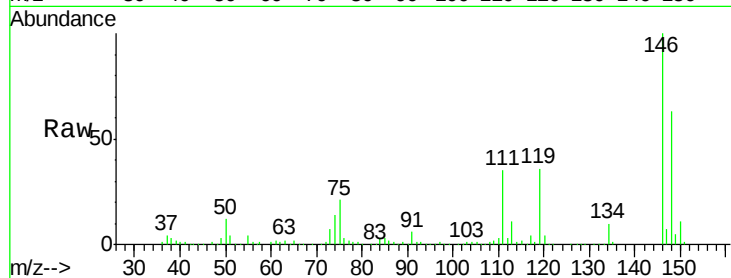




#87
 1,3-Dichlorobenzene
 Concen: 61.869 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

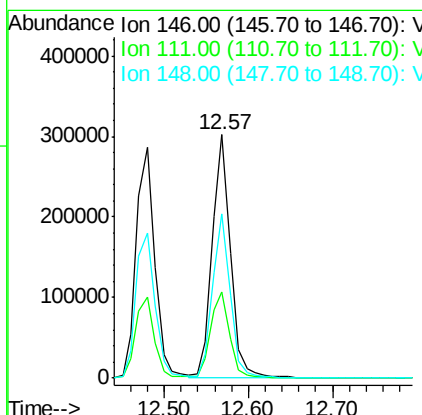
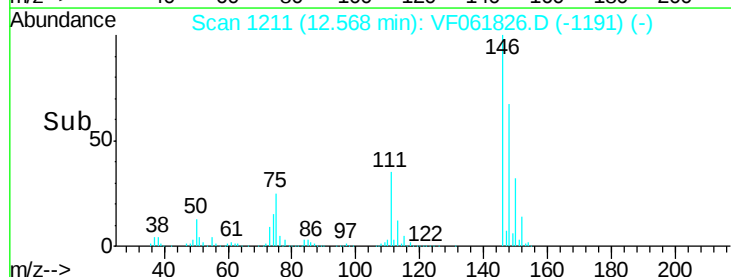
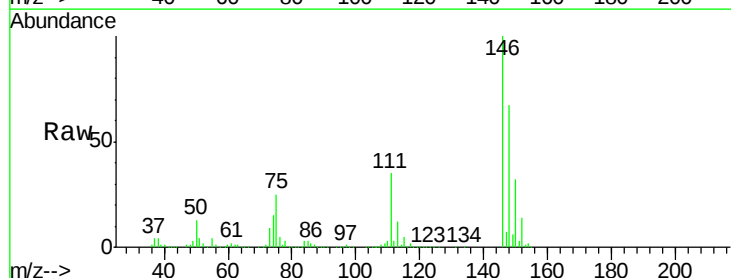
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

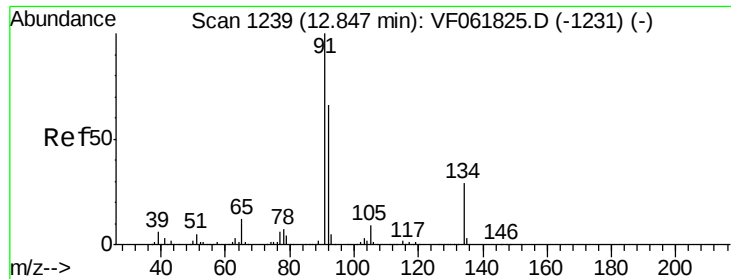
Tot Ion:146 Resp: 446065
 Ion Ratio Lower Upper
 146 100
 111 35.1 17.5 52.6
 148 63.0 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 65.977 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion:146 Resp: 457468
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.4 55.4
 148 67.5 32.2 96.6





#89

n-Butylbenzene

Concen: 64.896 ug/l

RT: 12.84 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

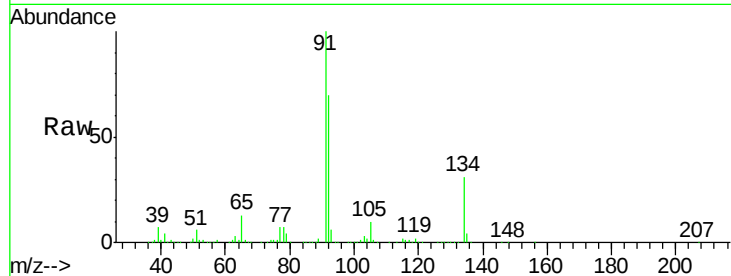
Tot Ion: 91 Resp: 881331

Ion Ratio Lower Upper

91 100

92 70.0 31.4 94.3

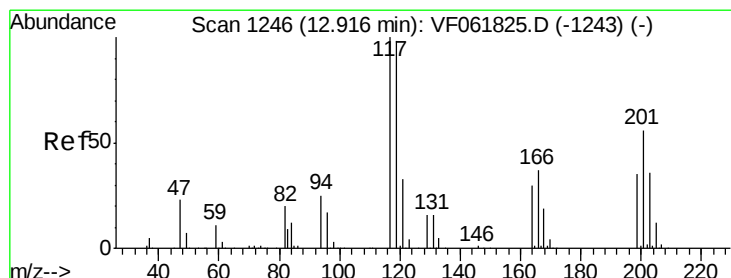
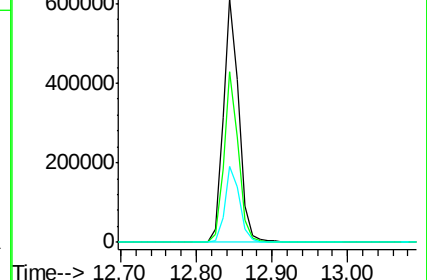
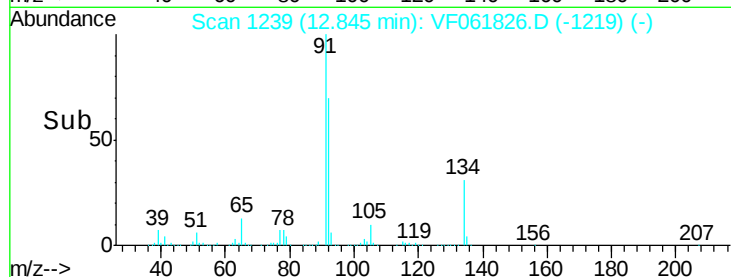
134 31.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 73.662 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF061826.D

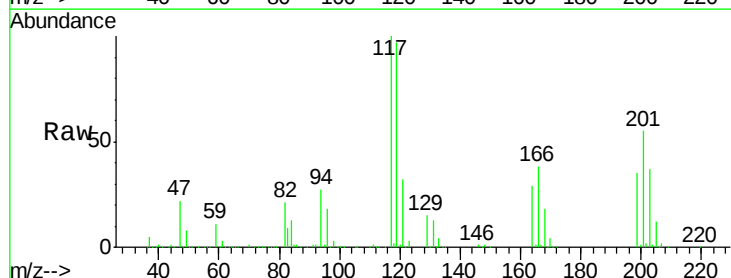
Acq: 4 Mar 2019 17:58

Tgt Ion: 117 Resp: 246393

Ion Ratio Lower Upper

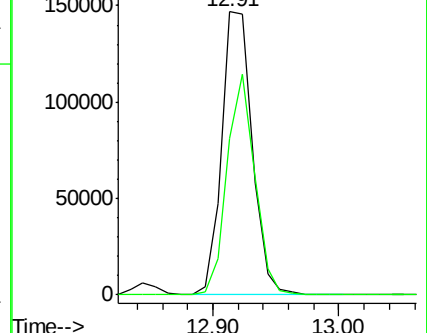
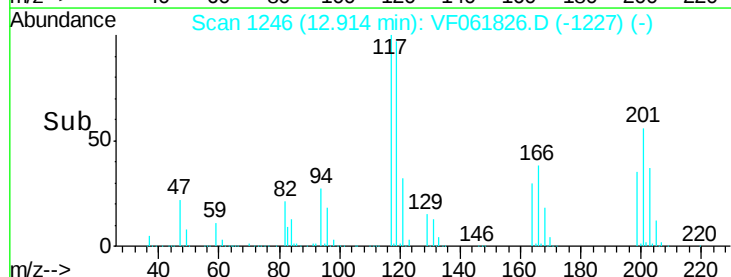
117 100

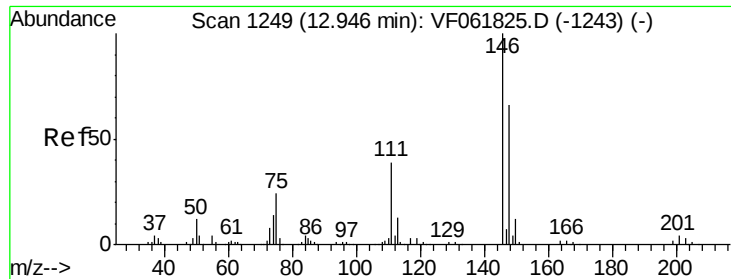
201 55.3 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 63.543 ug/l

RT: 12.94 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

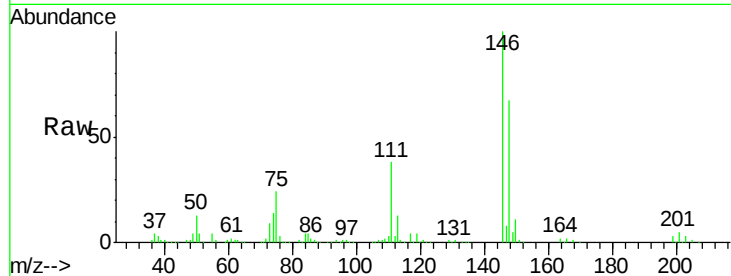
Tot Ion:146 Resp: 435755

Ion Ratio Lower Upper

146 100

111 38.3 20.2 60.5

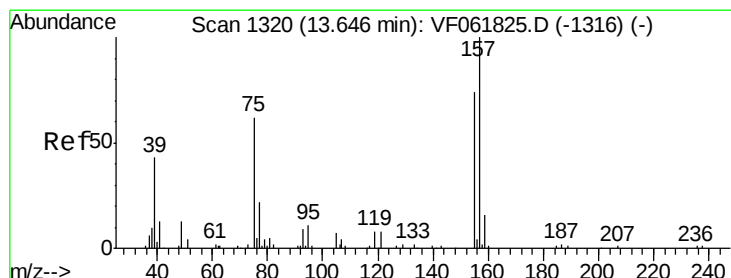
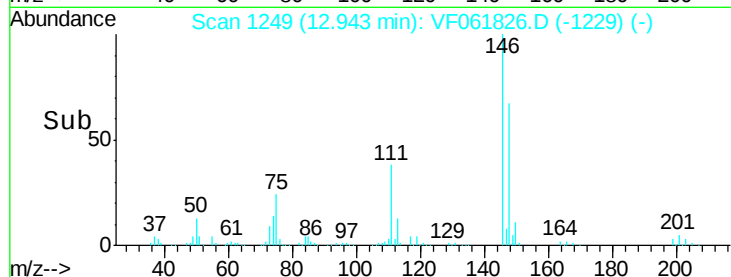
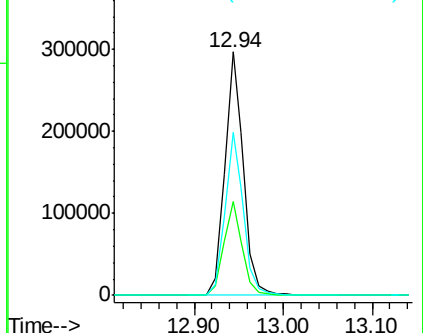
148 66.9 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 71.929 ug/l

RT: 13.64 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF061826.D

Acq: 4 Mar 2019 17:58

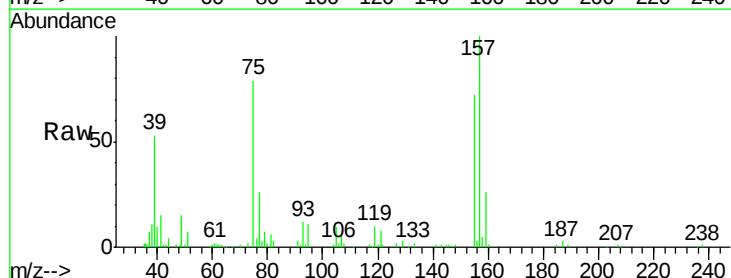
Tgt Ion: 75 Resp: 30585

Ion Ratio Lower Upper

75 100

155 91.6 48.9 146.8

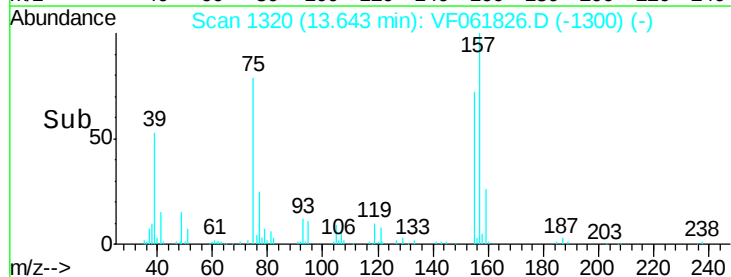
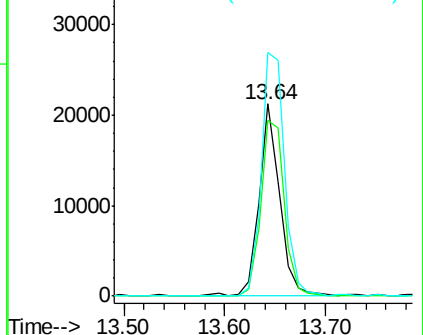
157 126.7 58.3 174.8

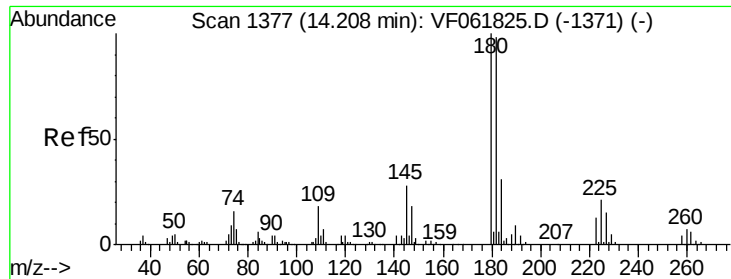


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

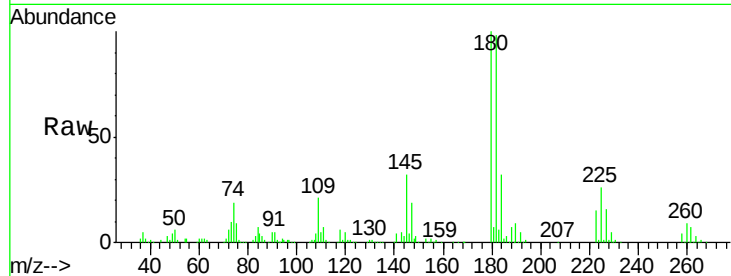




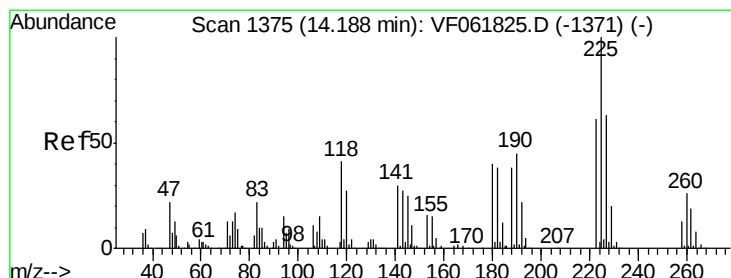
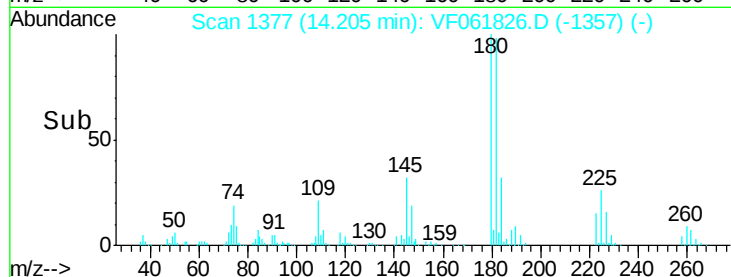
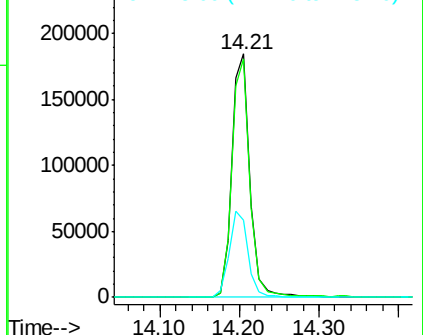
#93
 1,2,4-Trichlorobenzene
 Concen: 59.953 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 294694
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.6 145.9
 145 31.9 15.3 45.9

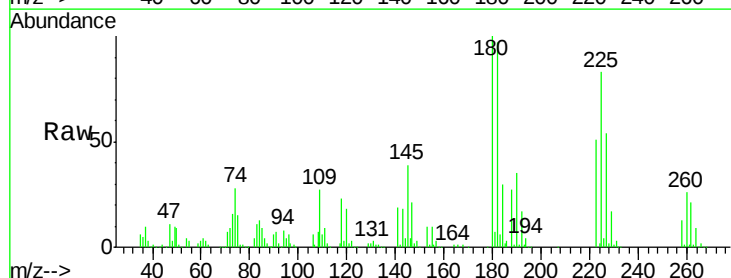


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

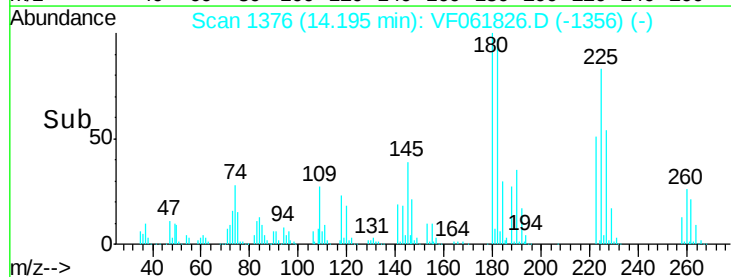
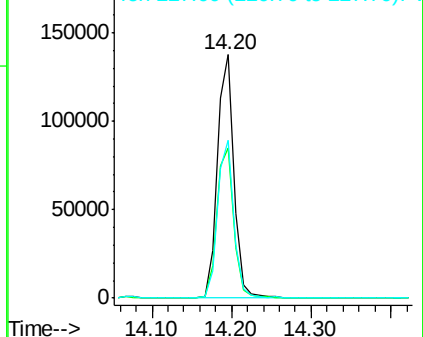


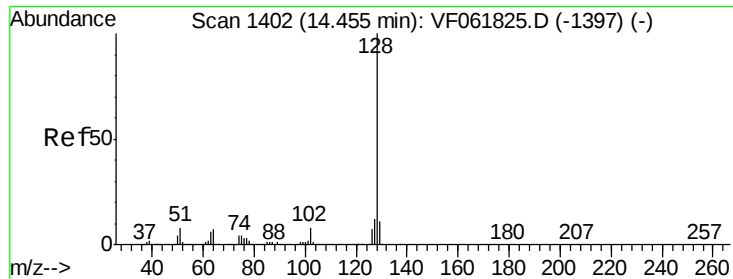
#94
 Hexachlorobutadiene
 Concen: 66.655 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061826.D
 Acq: 4 Mar 2019 17:58

Tgt Ion:225 Resp: 202347
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.9 92.7
 227 65.0 32.1 96.3



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

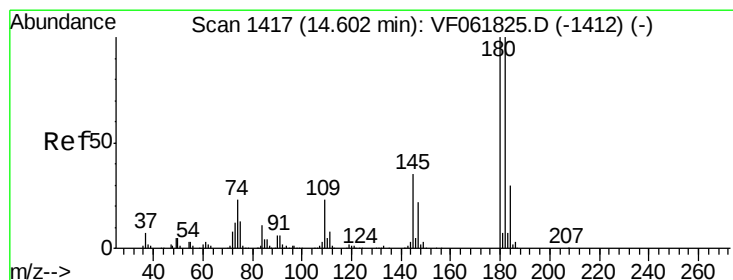
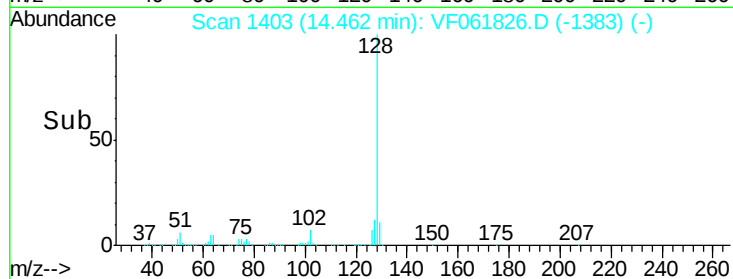
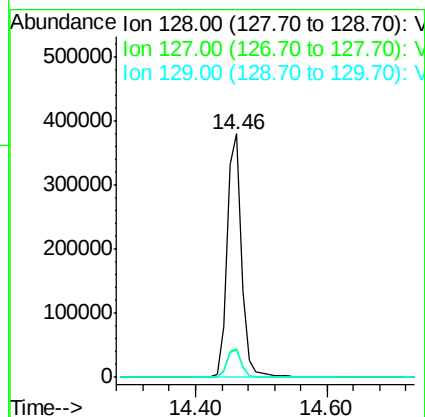
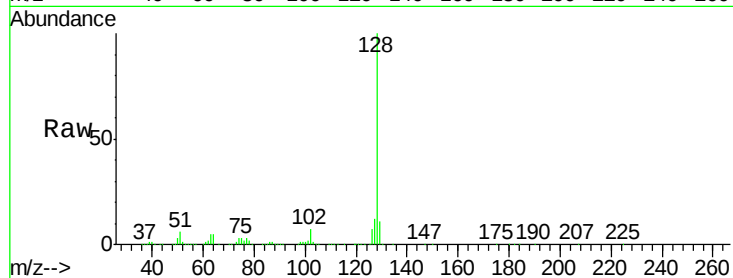




#95
Naphthalene
Concen: 68.389 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 588157
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.6
129 11.3 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 66.395 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061826.D
Acq: 4 Mar 2019 17:58

Tgt Ion:180 Resp: 299547
Ion Ratio Lower Upper
180 100
182 97.2 49.0 147.2
145 34.3 15.4 46.1

