

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061073.D
 Acq On : 18 Dec 2018 20:49
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 19 04:20:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	198523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	343951	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	328419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	159106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	252595	108.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	216.44%	
35) Dibromofluoromethane	4.11	113	255909	95.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	191.10%	
50) Toluene-d8	7.55	98	703381	88.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	177.90%	
62) 4-Bromofluorobenzene	11.41	95	335969	93.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	187.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	379660	117.810	ug/l	98
3) Chloromethane	1.10	50	227766	110.279	ug/l	99
4) Vinyl Chloride	1.14	62	211586	110.688	ug/l	90
5) Bromomethane	1.34	94	147843	111.238	ug/l	99
6) Chloroethane	1.39	64	93247	113.168	ug/l	92
7) Trichlorofluoromethane	1.49	101	397711	100.352	ug/l	98
8) Diethyl Ether	1.63	74	58958	103.932	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	205590	102.739	ug/l	95
10) Methyl Iodide	1.90	142	293785	95.830	ug/l	94
11) Tert butyl alcohol	2.58	59	44841	463.339	ug/l	99
12) 1,1-Dichloroethene	1.79	96	157373	97.862	ug/l	96
13) Acrolein	2.00	56	35096	417.677	ug/l #	70
14) Allyl chloride	2.09	41	163343	87.098	ug/l	93
15) Acrylonitrile	2.94	53	106573	481.143	ug/l	97
16) Acetone	2.24	43	211544	472.528	ug/l	97
17) Carbon Disulfide	1.84	76	358780	81.357	ug/l	97
18) Methyl Acetate	2.35	43	83380	100.577	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	341930	95.221	ug/l	100
20) Methylene Chloride	2.25	84	105995	69.122	ug/l	92
21) trans-1,2-Dichloroethene	2.31	96	114575	73.883	ug/l	92
22) Diisopropyl ether	2.80	45	557661	102.664	ug/l	95
23) Vinyl Acetate	3.18	43	1227615	492.417	ug/l	98
24) 1,1-Dichloroethane	2.87	63	322719	100.004	ug/l	99
25) 2-Butanone	4.34	43	342878	452.765	ug/l	92
26) 2,2-Dichloropropane	3.60	77	178869	87.631	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	250290	99.578	ug/l	97
28) Bromochloromethane	3.72	49	166302	104.977	ug/l	98
29) Tetrahydrofuran	4.07	42	138511	433.693	ug/l	96
30) Chloroform	3.86	83	464050	93.135	ug/l	98
31) Cyclohexane	3.69	56	183602	54.245	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	278233	84.361	ug/l	97
36) 1,1-Dichloropropene	4.28	75	358946	93.196	ug/l	97
37) Ethyl Acetate	4.11	43	132556	85.199	ug/l #	99
38) Carbon Tetrachloride	3.98	117	274999	84.326	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	294631	73.589	ug/l	95
40) Benzene	4.62	78	747084	88.178	ug/l	96
41) Methacrylonitrile	4.75	41	74533	80.923	ug/l	94
42) 1,2-Dichloroethane	4.94	62	304178	98.474	ug/l	98
43) Isopropyl Acetate	6.96	43	182936	87.660	ug/l #	95
44) Trichloroethene	5.50	130	234429	84.836	ug/l	97
45) 1,2-Dichloropropane	6.23	63	205612	93.815	ug/l	100
46) Dibromomethane	6.08	93	147260	99.199	ug/l	90
47) Bromodichloromethane	6.38	83	364347	92.182	ug/l	98
48) Methyl methacrylate	6.72	41	132191	94.773	ug/l	94
49) 1,4-Dioxane	6.71	88	17867	1771.619	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	568832	401.359	ug/l	98
52) Toluene	7.62	92	500976	84.452	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	285705	89.532	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	359152	91.203	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	153694	90.035	ug/l	96
56) Ethyl methacrylate	8.62	69	176085	93.543	ug/l	96
57) 1,3-Dichloropropane	8.85	76	277834	92.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	176764	793.126	ug/l	96
59) 2-Hexanone	9.49	43	399374	398.761	ug/l	100
60) Dibromochloromethane	8.72	129	238495	93.543	ug/l	97
61) 1,2-Dibromoethane	8.98	107	167680	90.364	ug/l	93
64) Tetrachloroethene	8.15	164	211253	83.917	ug/l	99
65) Chlorobenzene	9.79	112	585059	92.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	229843	84.571	ug/l	95
67) Ethyl Benzene	9.90	91	1024698	86.520	ug/l	97
68) m/p-Xylenes	10.13	106	694206	162.409	ug/l	93
69) o-Xylene	10.71	106	407515	86.619	ug/l	89
70) Styrene	10.79	104	533904	82.449	ug/l	99
71) Bromoform	10.77	173	112580	86.182	ug/l #	99
73) Isopropylbenzene	11.13	105	1127006	88.459	ug/l	99
74) N-amyl acetate	11.37	43	259916	89.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	185897	88.972	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	139105	90.911	ug/l	100
77) Bromobenzene	11.49	156	250052	90.733	ug/l	98
78) n-propylbenzene	11.60	91	1267336	84.895	ug/l	94
79) 2-Chlorotoluene	11.72	91	769320	89.766	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	915852	88.616	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	90116	122.414	ug/l #	79
82) 4-Chlorotoluene	11.89	91	816971	90.918	ug/l	98
83) tert-Butylbenzene	12.13	119	930040	87.973	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	903541	88.439	ug/l	99
85) sec-Butylbenzene	12.31	105	1239543	86.498	ug/l	95
86) p-Isopropyltoluene	12.46	119	980389	81.338	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	439745	83.899	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	462862	90.564	ug/l	97
89) n-Butylbenzene	12.84	91	966040	79.635	ug/l	99
90) Hexachloroethane	12.92	117	271483	93.901	ug/l	71
91) 1,2-Dichlorobenzene	12.94	146	415499	83.339	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	38779	95.989	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	314339	90.159	ug/l	93
94) Hexachlorobutadiene	14.19	225	208330	89.752	ug/l	96
95) Naphthalene	14.45	128	623991	81.532	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	299388	91.261	ug/l	97

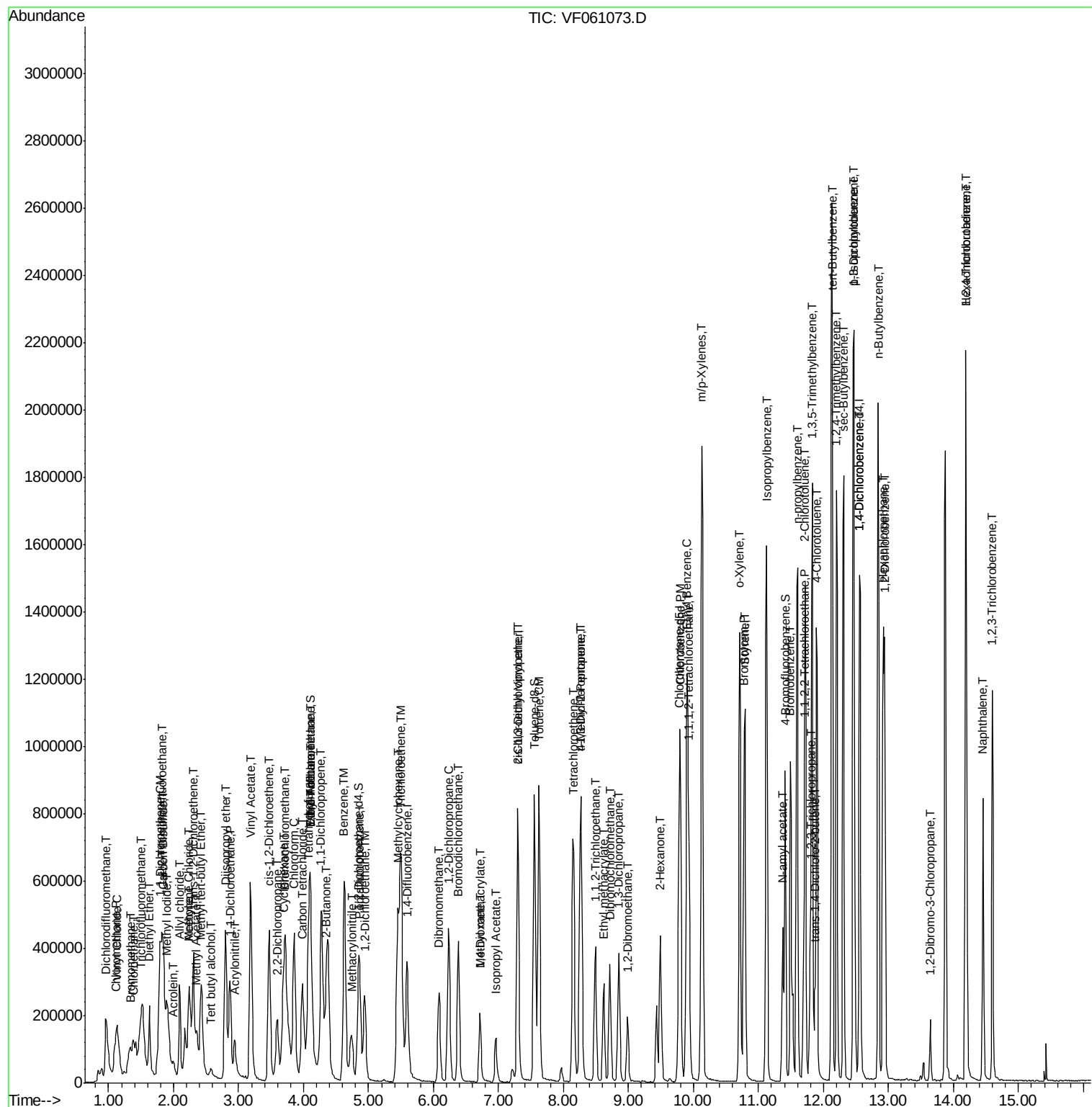
(#) = qualifier out of range (m) = manual integration (+) = signals summed

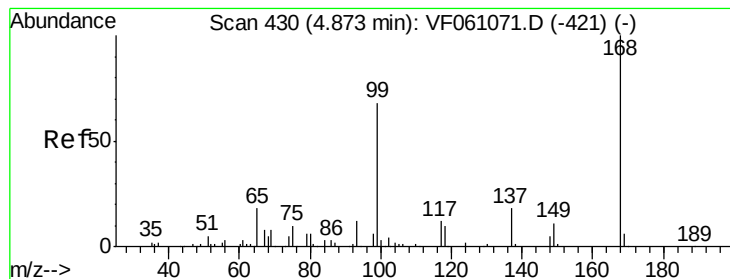
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

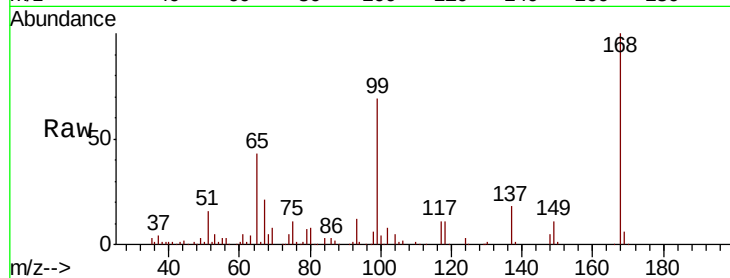
VSTDIC100

Tgt Ion:168 Resp: 198523

Ion Ratio Lower Upper

168 100

99 68.7 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

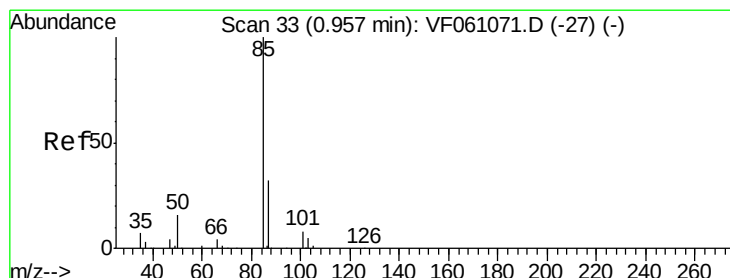
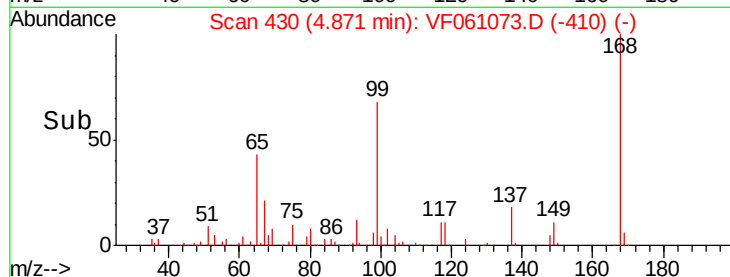
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 117.810 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061073.D

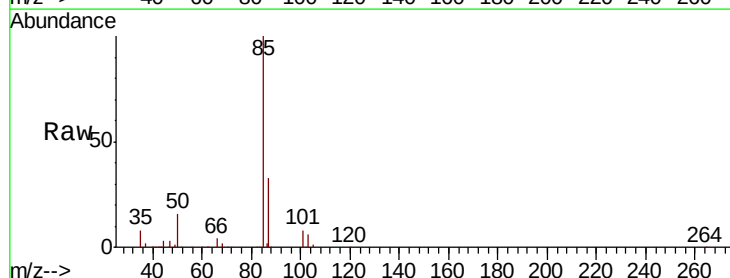
Acq: 18 Dec 2018 20:49

Tgt Ion: 85 Resp: 379660

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

100000

80000

60000

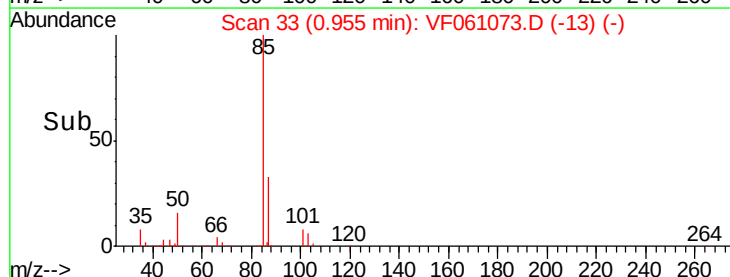
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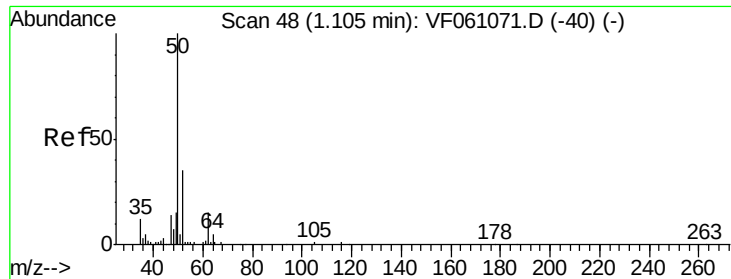
20000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 110.279 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

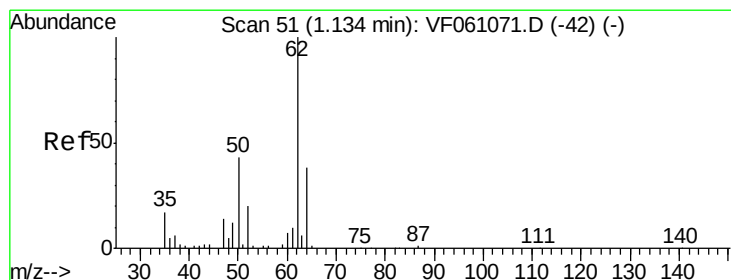
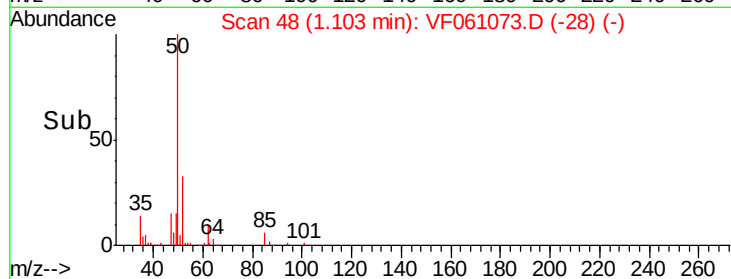
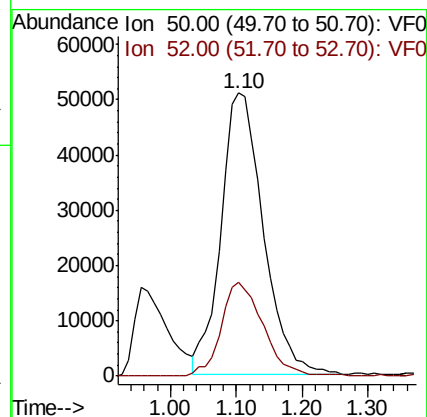
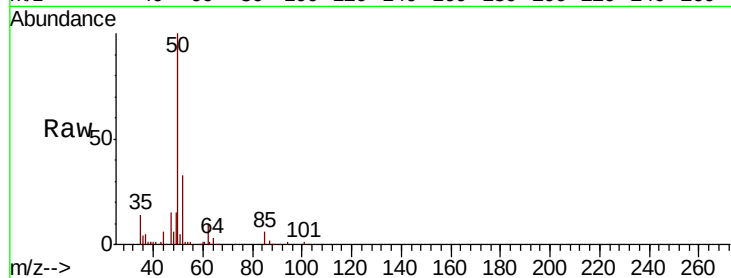
VSTDIC100

Tgt Ion: 50 Resp: 227766

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



#4

Vinyl Chloride

Concen: 110.688 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061073.D

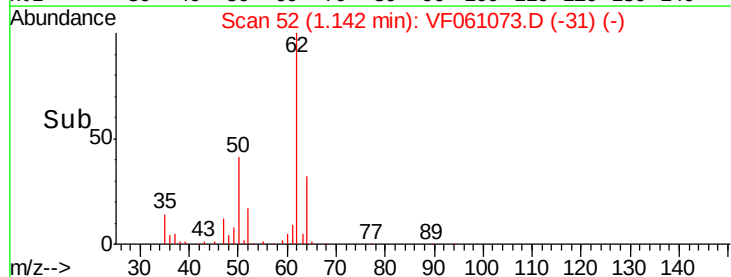
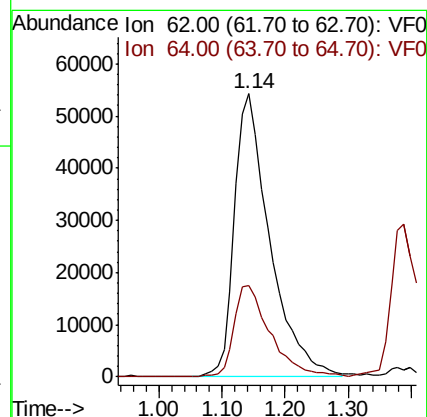
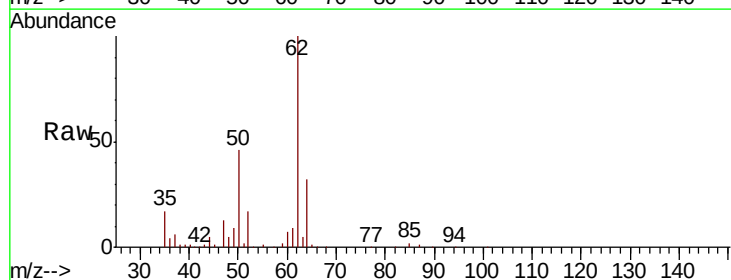
Acq: 18 Dec 2018 20:49

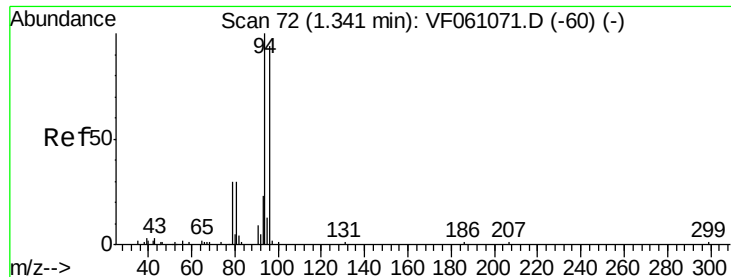
Tgt Ion: 62 Resp: 211586

Ion Ratio Lower Upper

62 100

64 32.1 30.4 45.6





#5

Bromomethane

Concen: 111.238 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

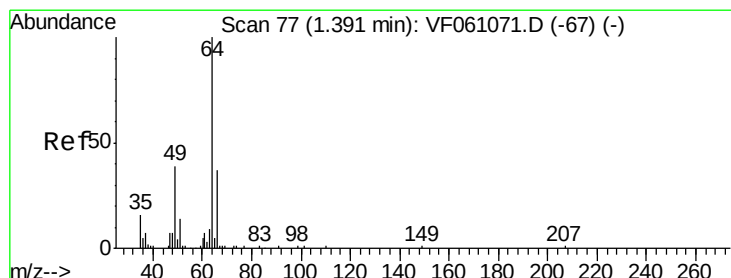
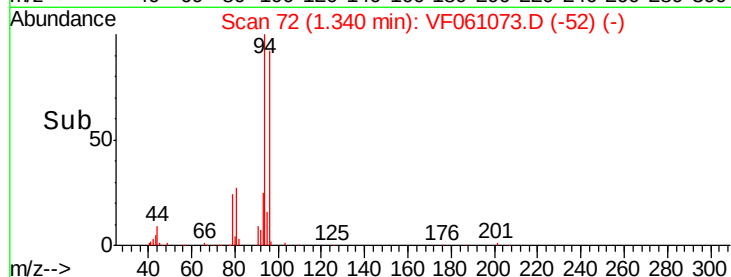
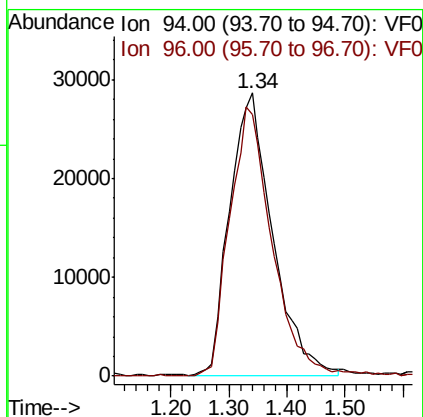
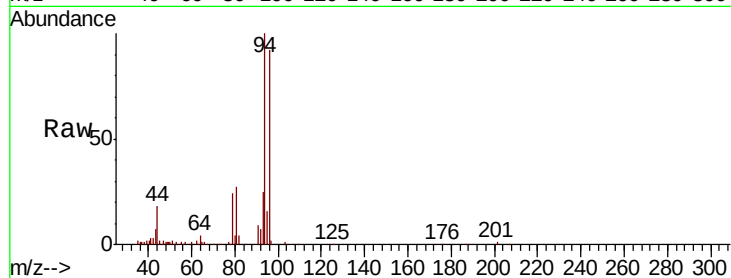
VSTDIC100

Tgt Ion: 94 Resp: 147843

Ion Ratio Lower Upper

94 100

96 92.2 74.4 111.6



#6

Chloroethane

Concen: 113.168 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061073.D

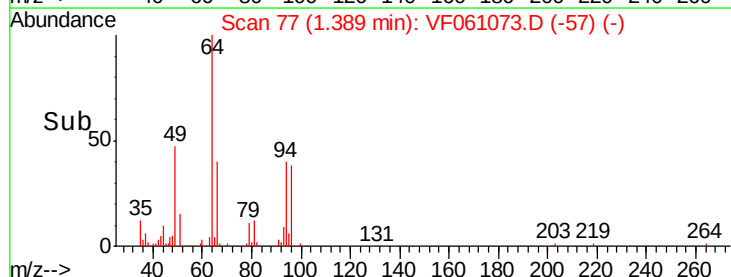
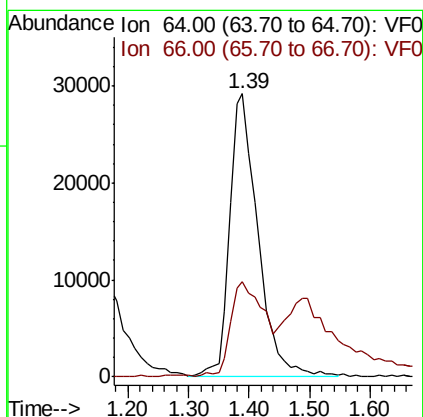
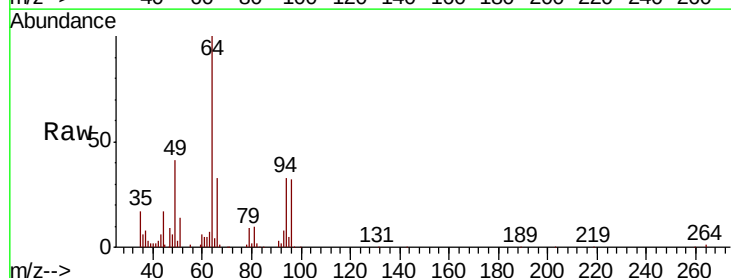
Acq: 18 Dec 2018 20:49

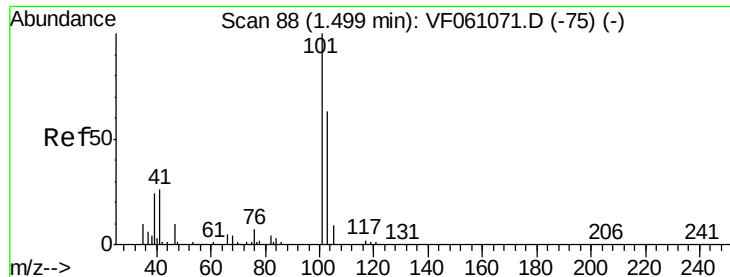
Tgt Ion: 64 Resp: 93247

Ion Ratio Lower Upper

64 100

66 33.5 30.9 46.3



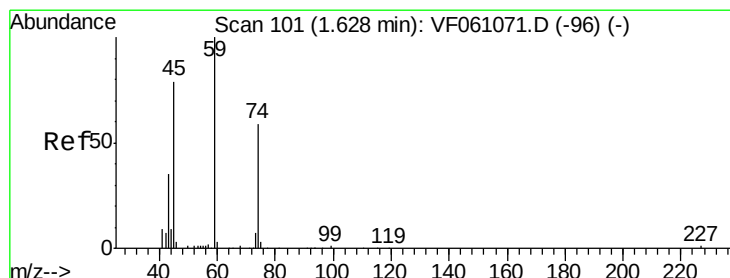
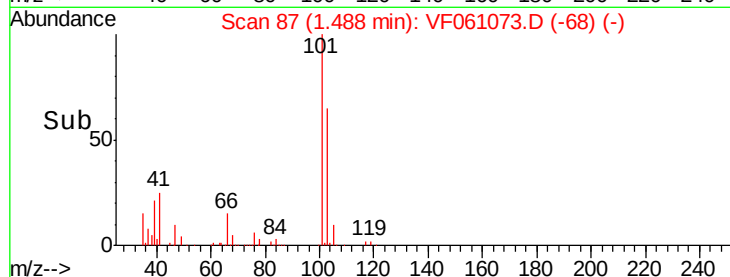
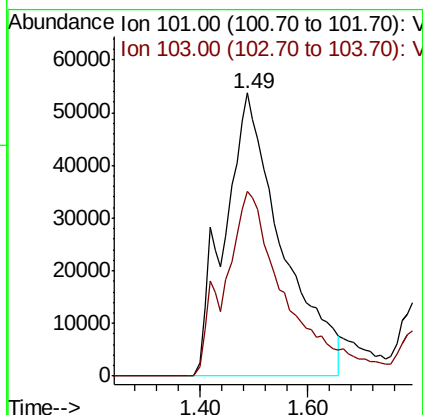
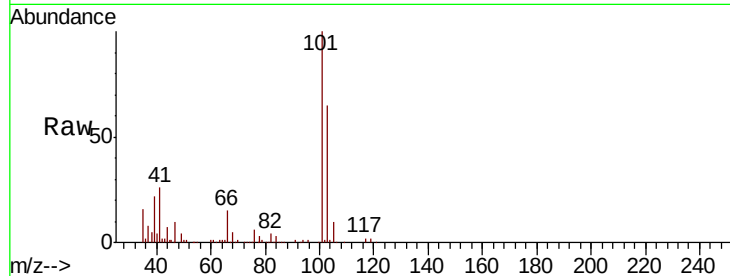


#7

Trichlorofluoromethane
Concen: 100.352 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061073.D
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Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

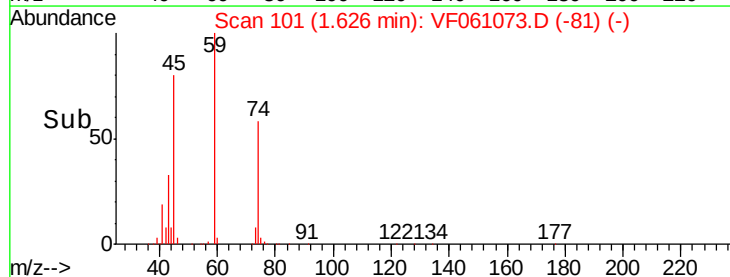
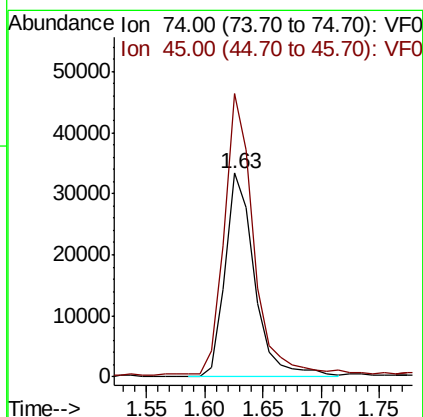
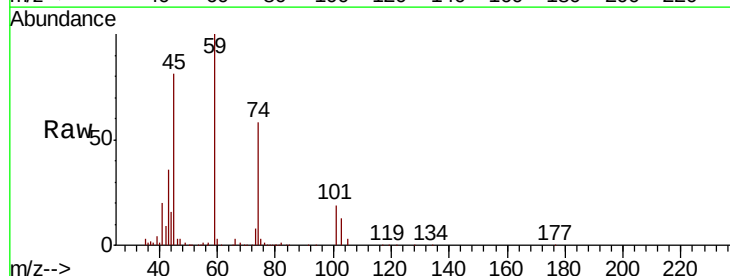
Tgt Ion:101 Resp: 397711
Ion Ratio Lower Upper
101 100
103 65.3 50.7 76.1

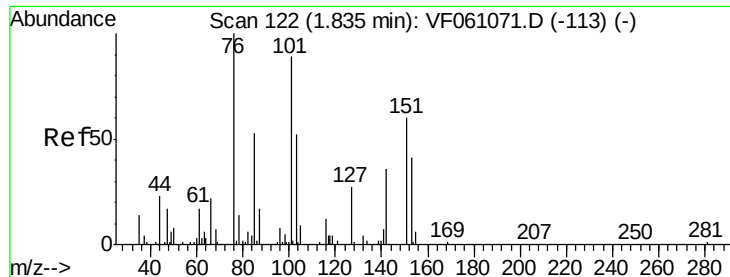


#8

Diethyl Ether
Concen: 103.932 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 74 Resp: 58958
Ion Ratio Lower Upper
74 100
45 139.0 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.739 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

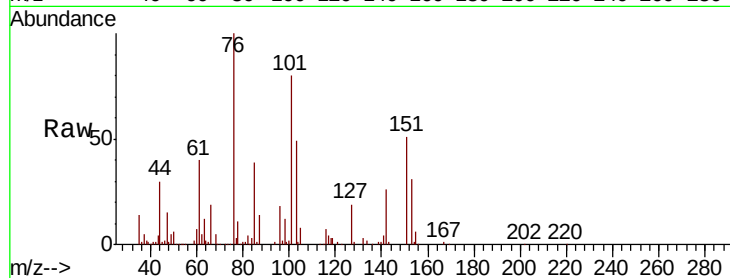
Tgt Ion:101 Resp: 205590

Ion Ratio Lower Upper

101 100

85 49.4 44.5 66.7

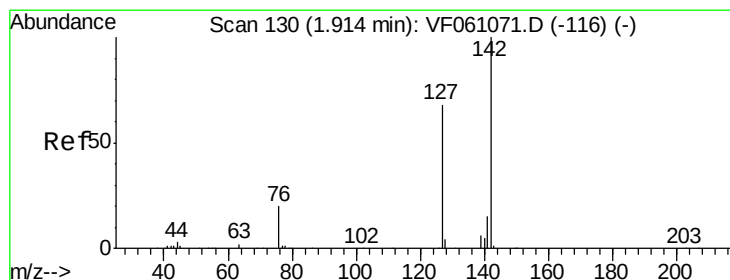
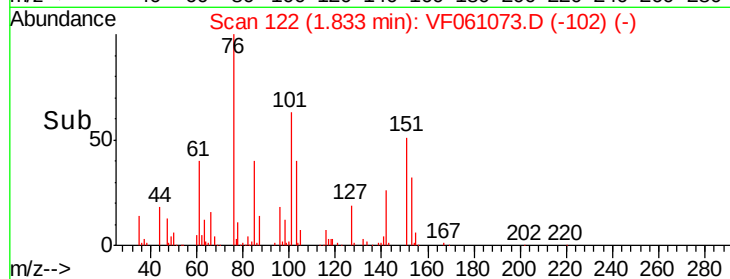
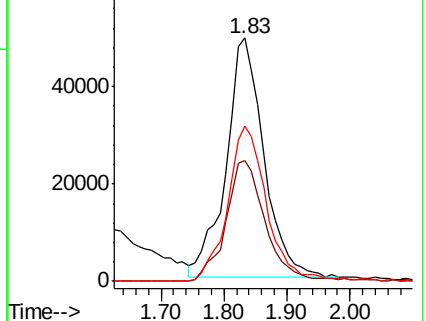
151 63.7 49.9 74.9



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: 95.830 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

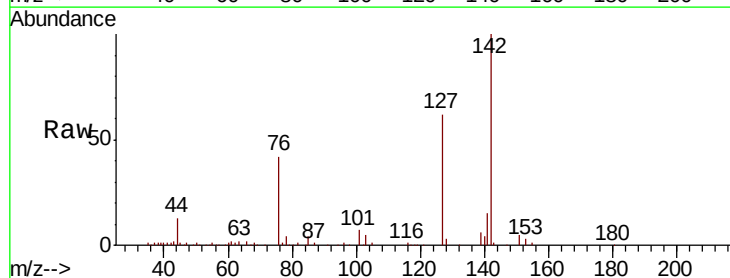
Tgt Ion:142 Resp: 293785

Ion Ratio Lower Upper

142 100

127 62.4 54.7 82.1

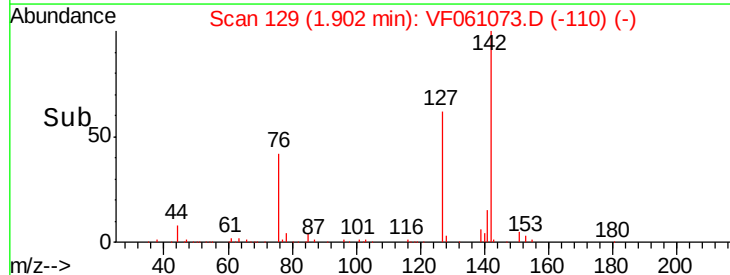
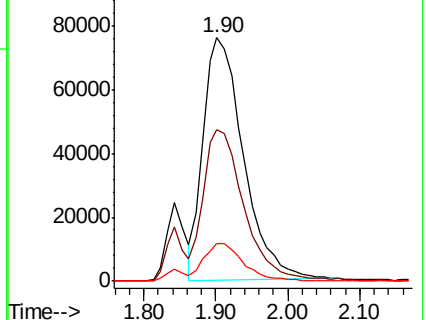
141 15.3 12.2 18.2

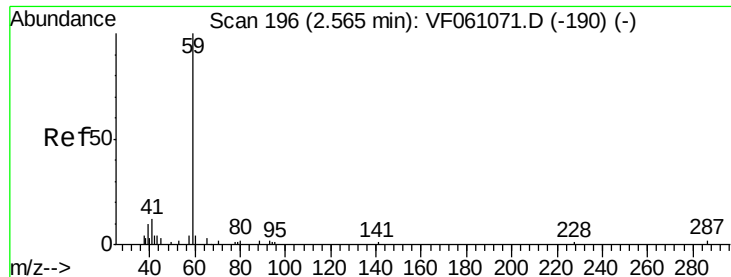


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

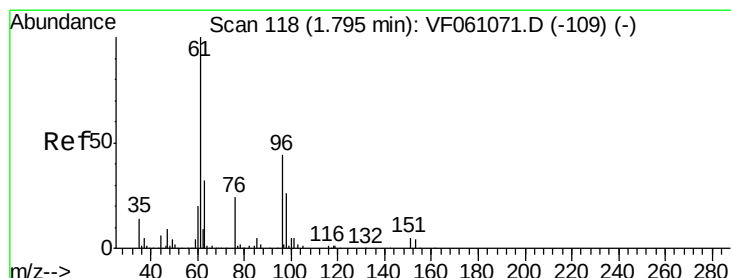
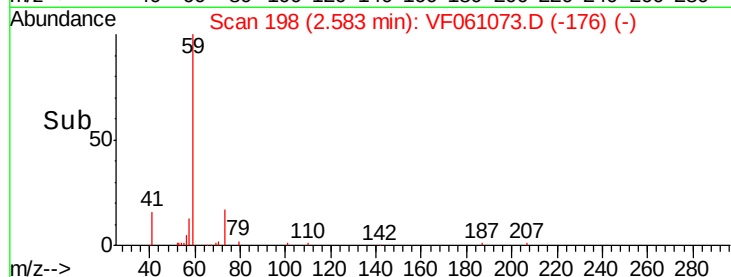
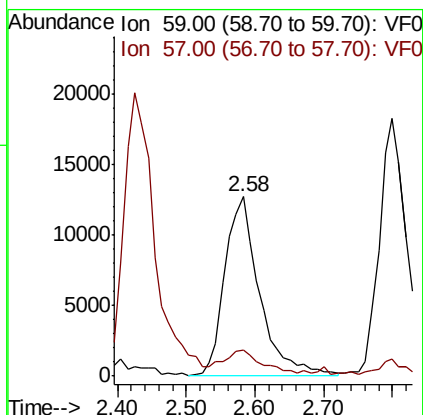
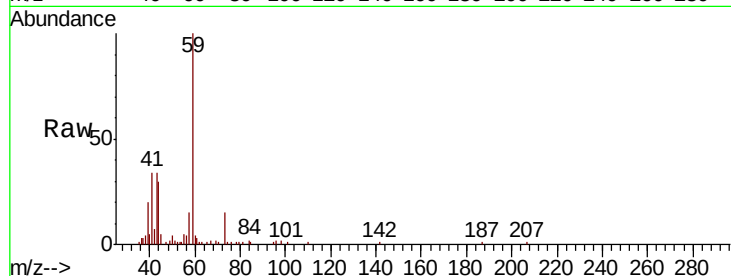




#11
Tert butyl alcohol
Concen: 463.339 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

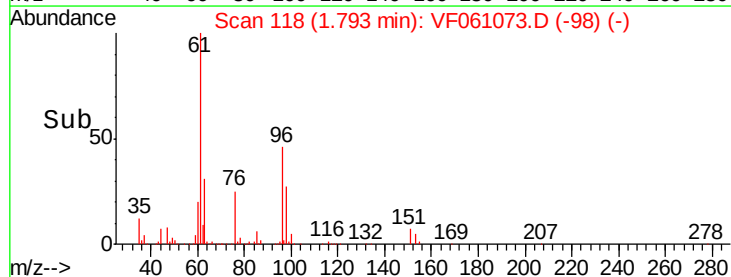
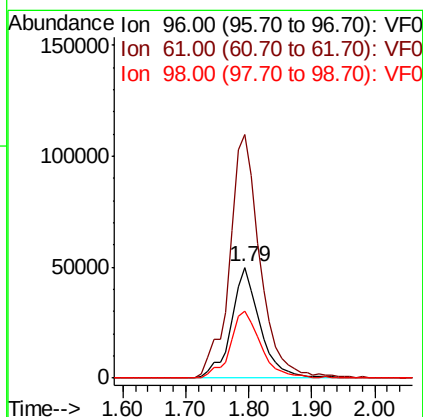
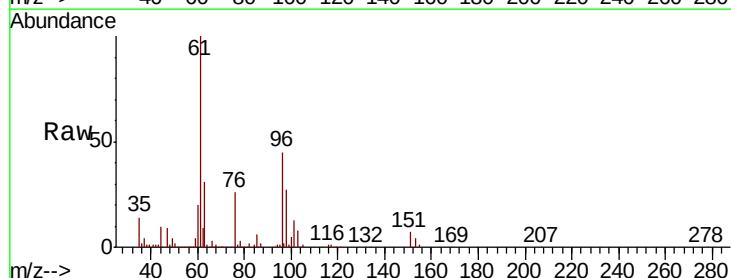
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

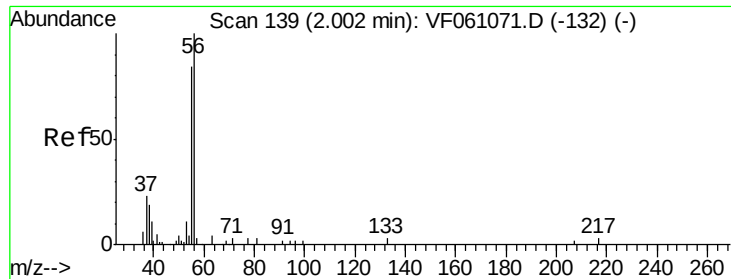
Tgt Ion: 59 Resp: 44841
Ion Ratio Lower Upper
59 100
57 14.6 11.5 17.3



#12
1,1-Dichloroethene
Concen: 97.862 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 96 Resp: 157373
Ion Ratio Lower Upper
96 100
61 219.9 182.0 273.0
98 60.0 46.5 69.7

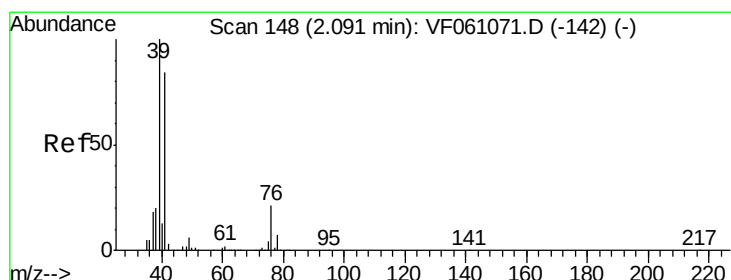
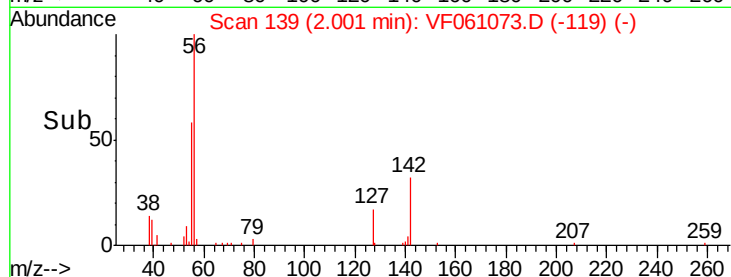
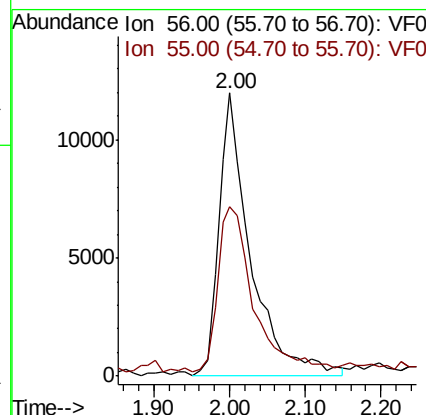
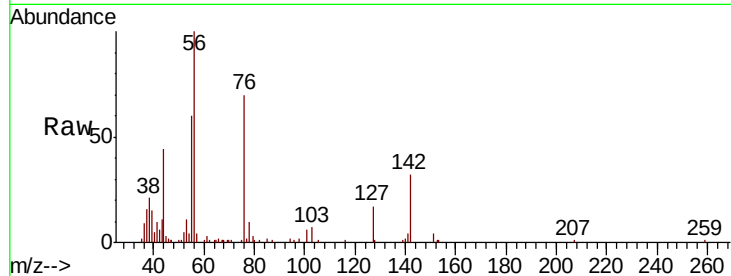




#13
Acrolein
Concen: 417.677 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

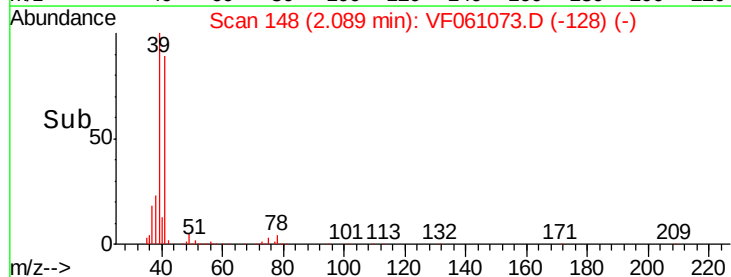
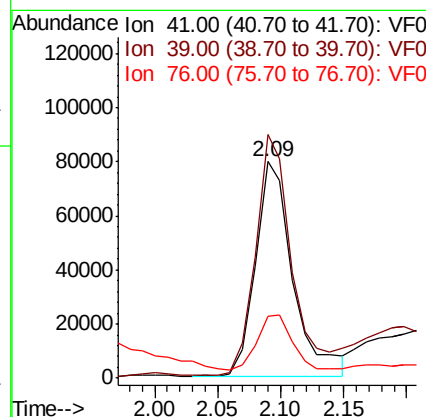
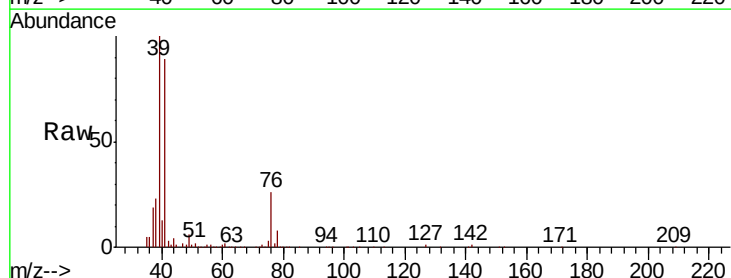
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

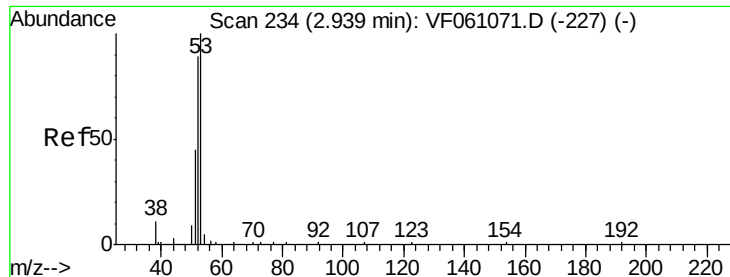
Tgt Ion: 56 Resp: 35096
Ion Ratio Lower Upper
56 100
55 59.7 70.2 105.2#



#14
Allyl chloride
Concen: 87.098 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 41 Resp: 163343
Ion Ratio Lower Upper
41 100
39 112.6 96.4 144.6
76 28.9 25.4 38.0





#15

Acrylonitrile

Concen: 481.143 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

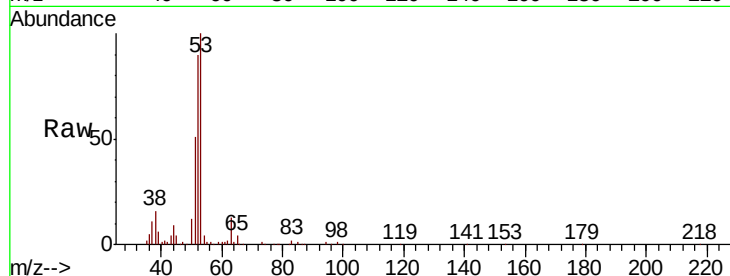
Tgt Ion: 53 Resp: 106573

Ion Ratio Lower Upper

53 100

52 90.4 71.3 106.9

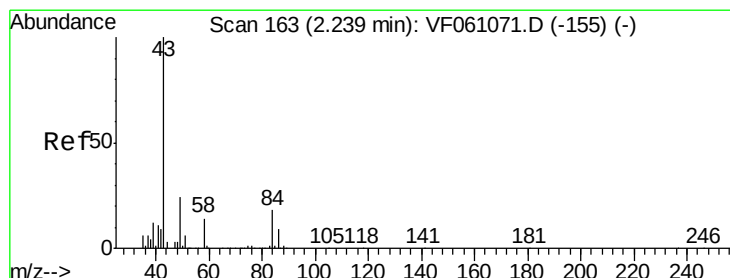
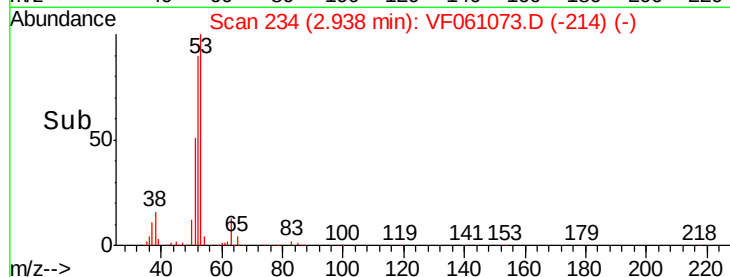
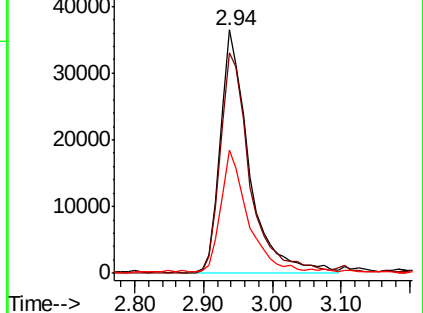
51 50.7 36.8 55.2



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: 472.528 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061073.D

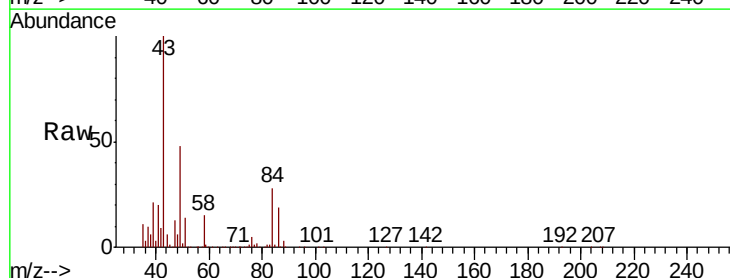
Acq: 18 Dec 2018 20:49

Tgt Ion: 43 Resp: 211544

Ion Ratio Lower Upper

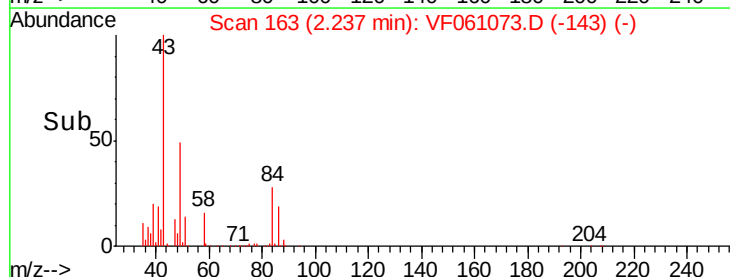
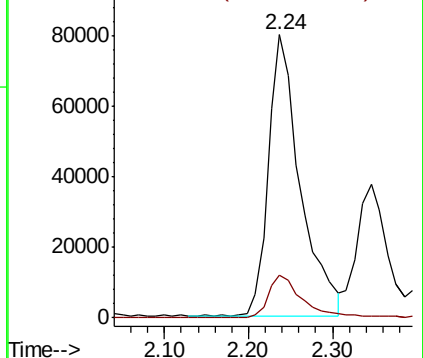
43 100

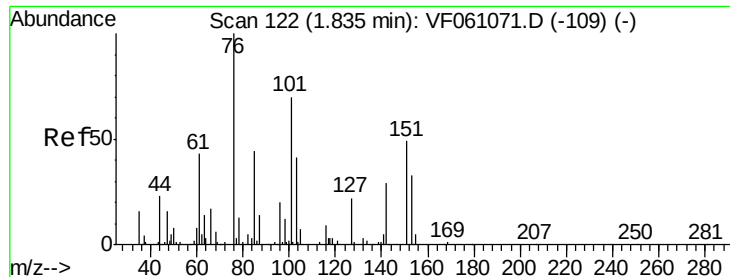
58 15.3 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

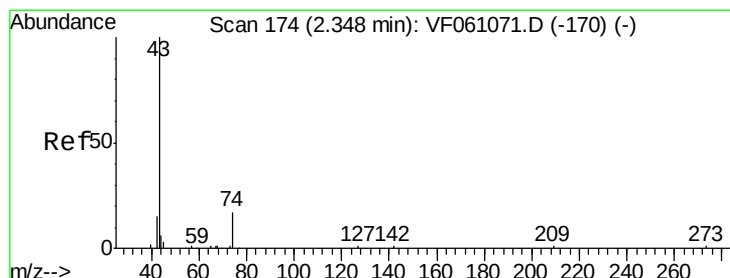
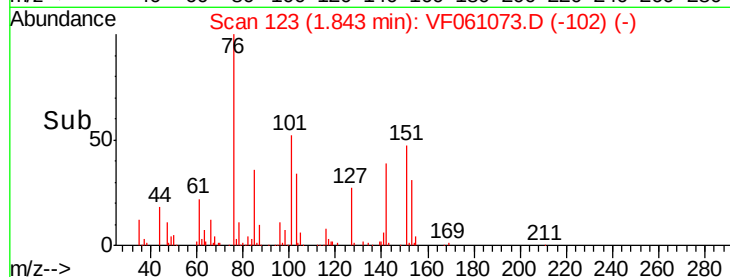
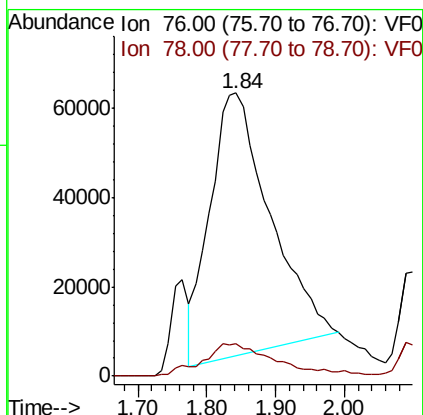
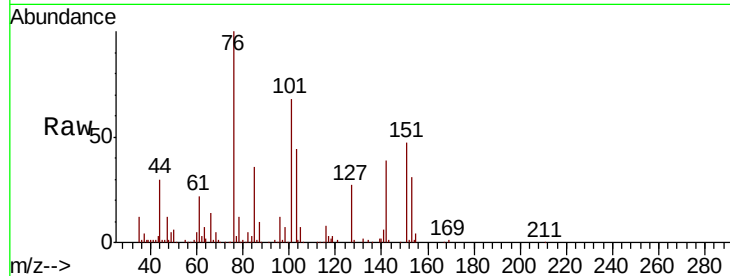




#17
Carbon Disulfide
Concen: 81.357 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

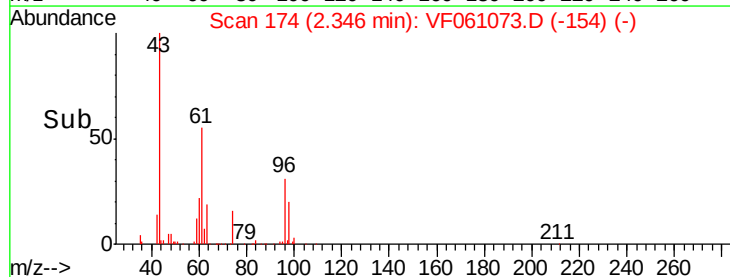
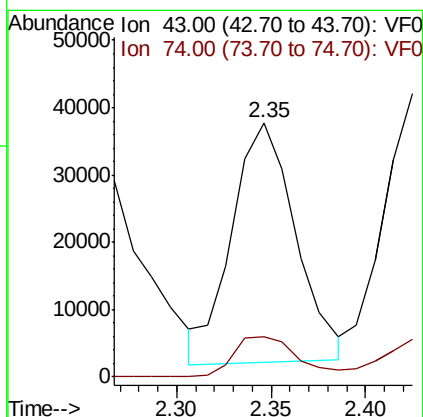
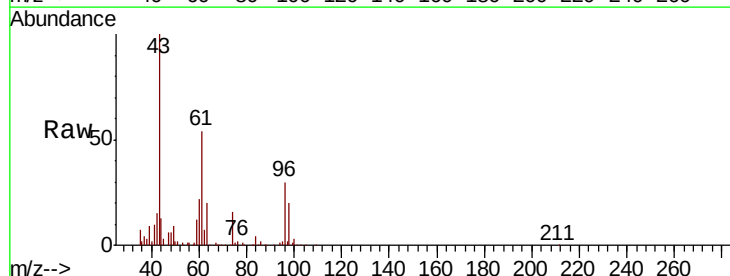
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

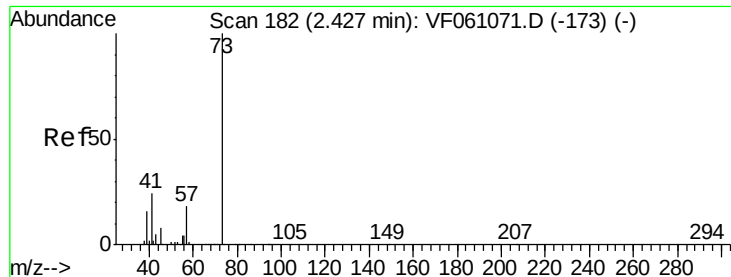
Tgt Ion: 76 Resp: 358780
Ion Ratio Lower Upper
76 100
78 11.6 10.2 15.4



#18
Methyl Acetate
Concen: 100.577 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 43 Resp: 83380
Ion Ratio Lower Upper
43 100
74 15.9 11.0 16.6





#19

Methyl tert-butyl Ether

Concen: 95.221 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

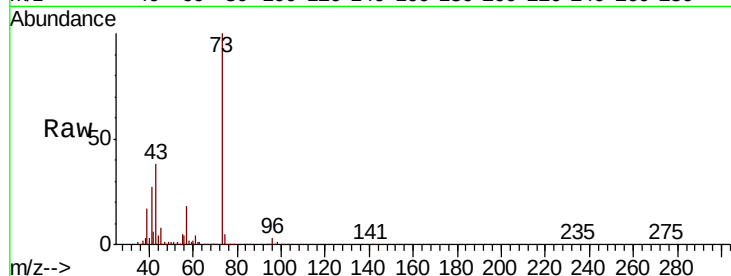
VSTDIC100

Tgt Ion: 73 Resp: 341930

Ion Ratio Lower Upper

73 100

57 18.1 14.5 21.7



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.42

120000

100000

80000

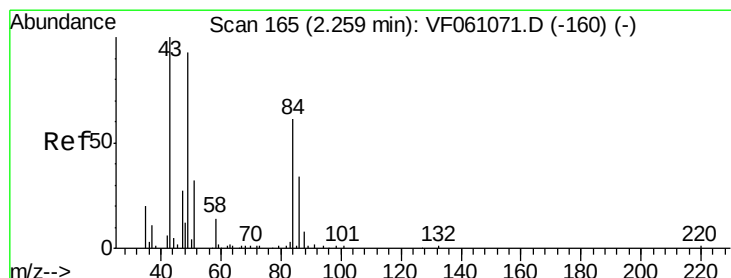
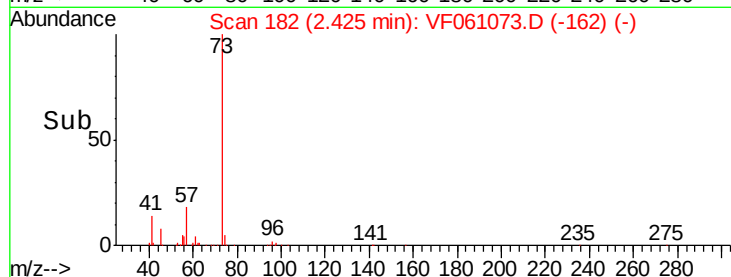
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 69.122 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion: 84 Resp: 105995

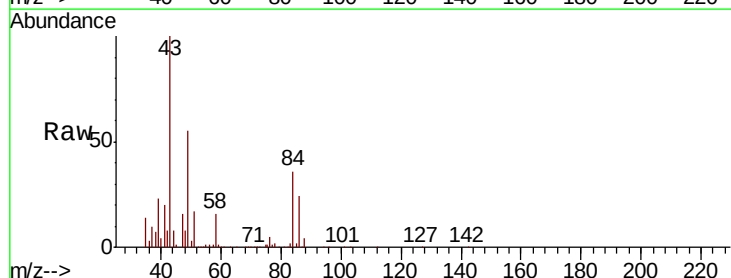
Ion Ratio Lower Upper

84 100

49 154.4 129.4 194.2

51 47.1 44.0 66.0

86 67.0 46.3 69.5



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

60000

50000

40000

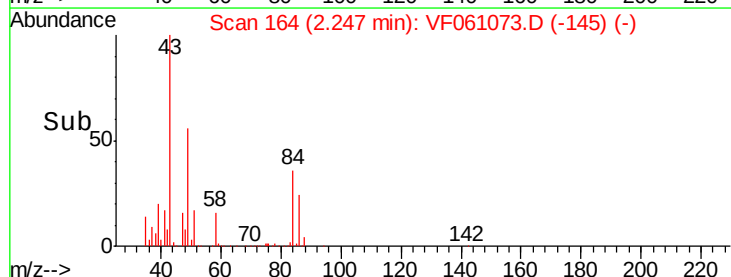
30000

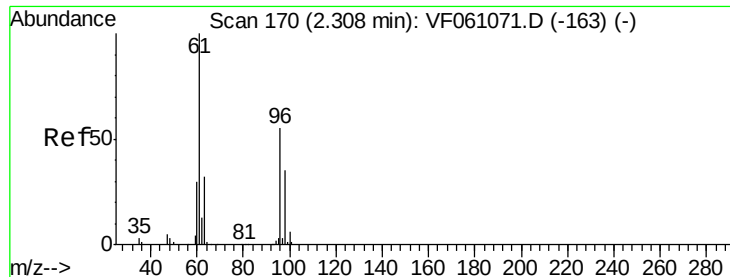
20000

10000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 73.883 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

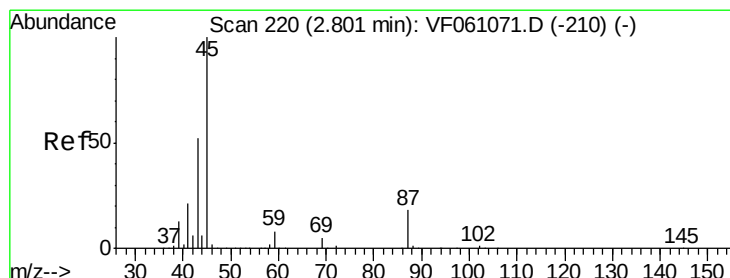
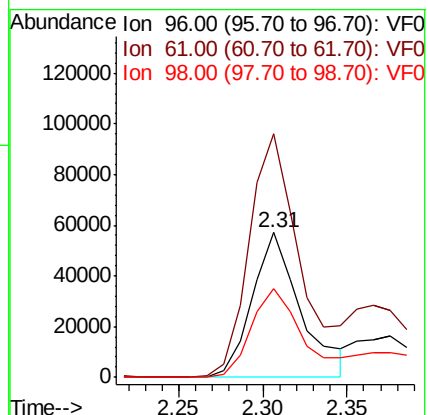
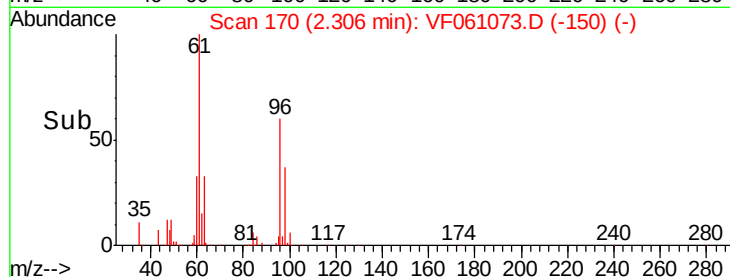
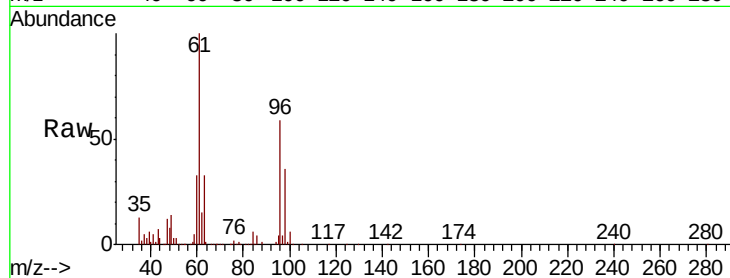
Tgt Ion: 96 Resp: 114575

Ion Ratio Lower Upper

96 100

61 168.3 146.0 219.0

98 61.3 51.6 77.4



#22

Diisopropyl ether

Concen: 102.664 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion: 45 Resp: 557661

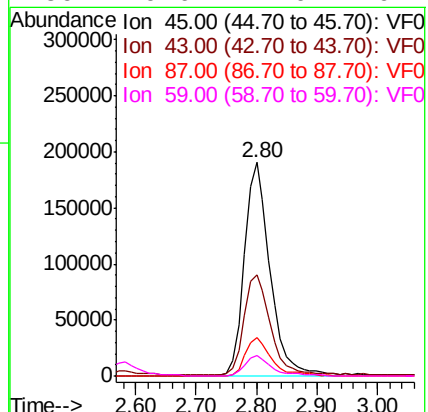
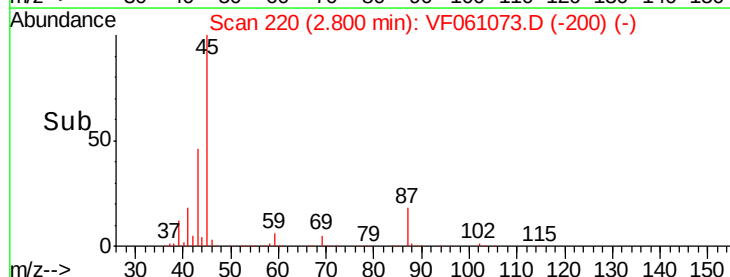
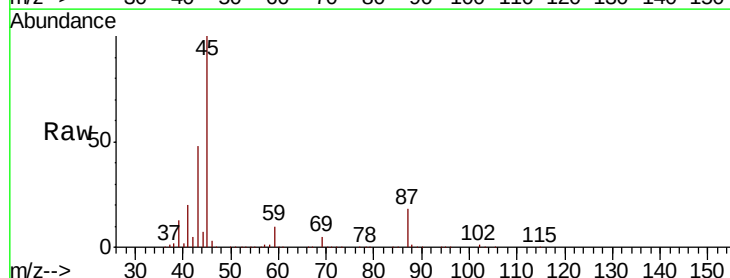
Ion Ratio Lower Upper

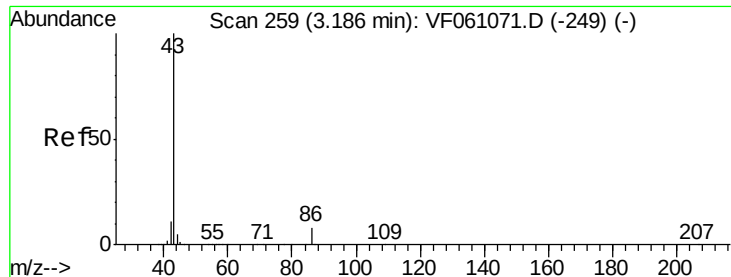
45 100

43 47.6 42.2 63.2

87 18.0 14.6 22.0

59 9.6 7.0 10.4





#23

Vinyl Acetate

Concen: 492.417 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

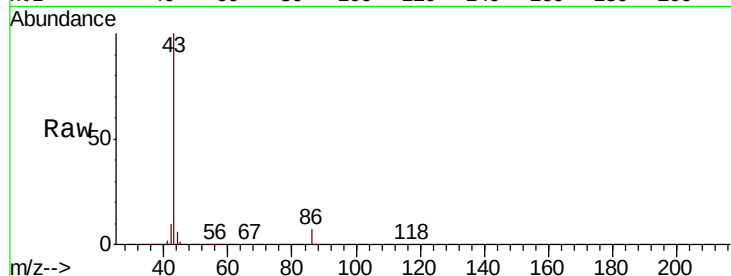
VSTDIC100

Tgt Ion: 43 Resp: 1227615

Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

500000

400000

300000

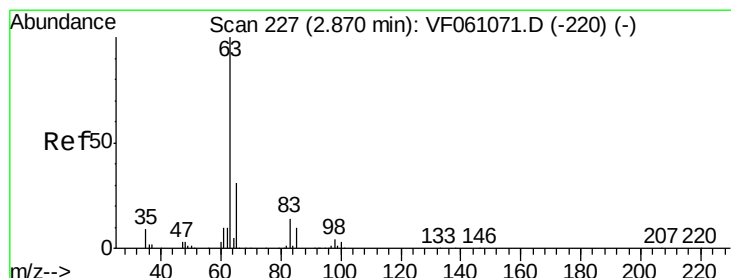
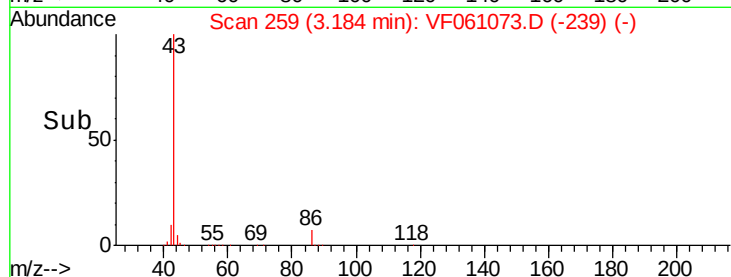
200000

100000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 100.004 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

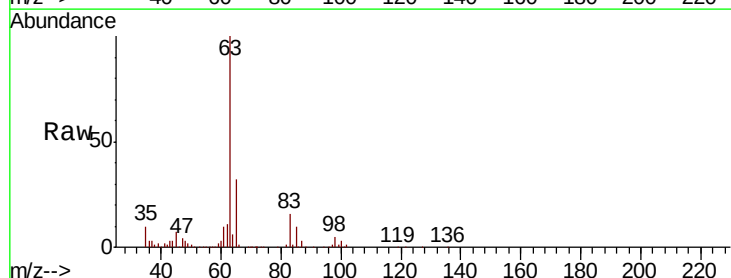
Tgt Ion: 63 Resp: 322719

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

100 3.2 1.7 5.1



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

2.87

150000

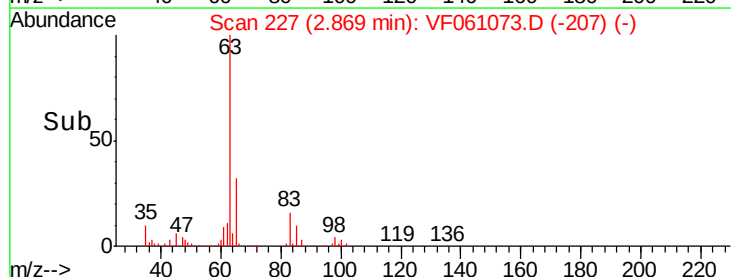
100000

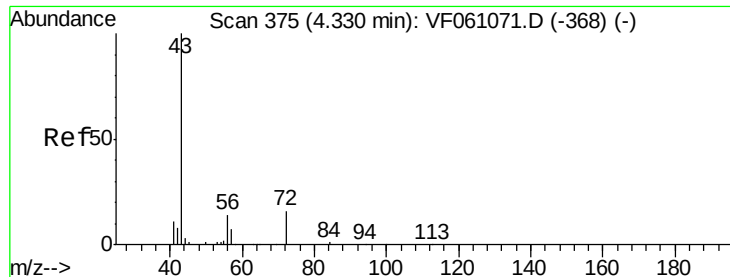
50000

0

Time-->

2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 452.765 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

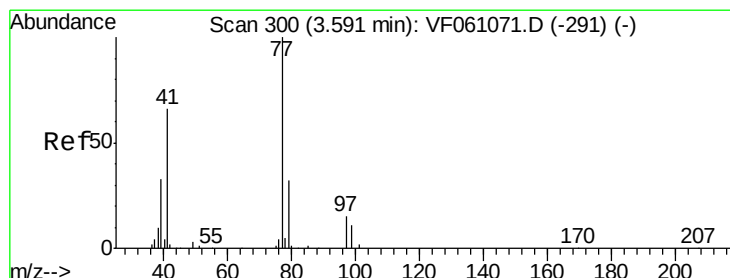
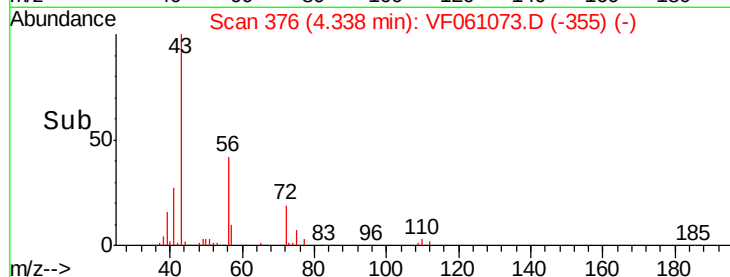
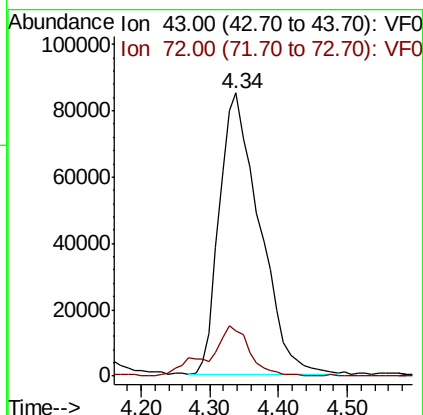
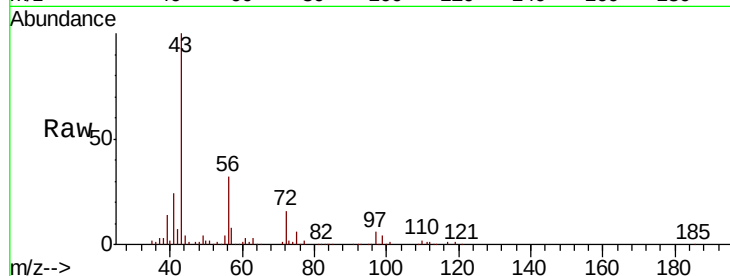
VSTDIC100

Tgt Ion: 43 Resp: 342878

Ion Ratio Lower Upper

43 100

72 15.9 15.6 23.4



#26

2,2-Dichloropropane

Concen: 87.631 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061073.D

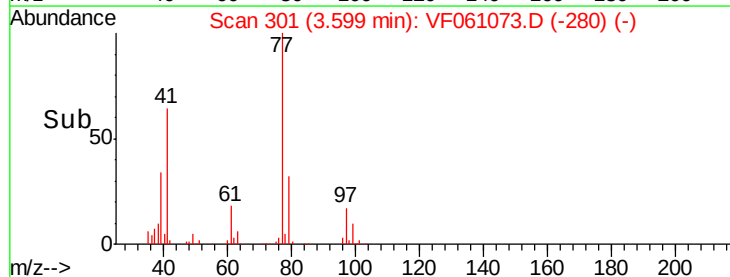
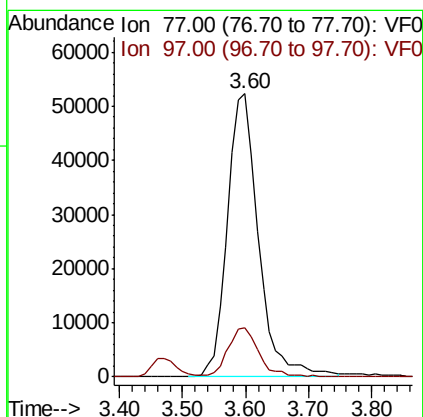
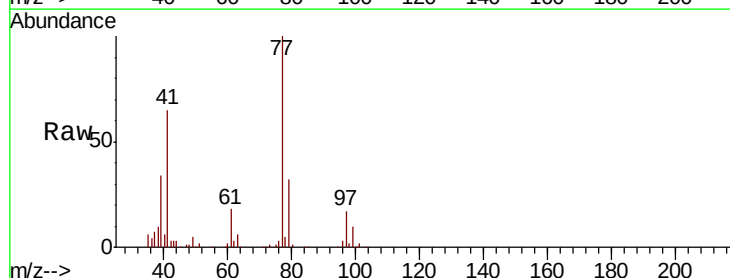
Acq: 18 Dec 2018 20:49

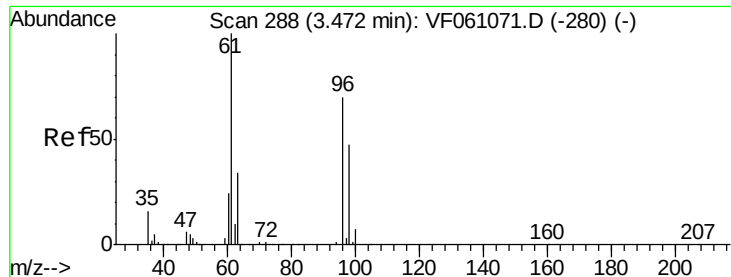
Tgt Ion: 77 Resp: 178869

Ion Ratio Lower Upper

77 100

97 17.3 8.2 24.4





#27

cis-1,2-Dichloroethene

Concen: 99.578 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

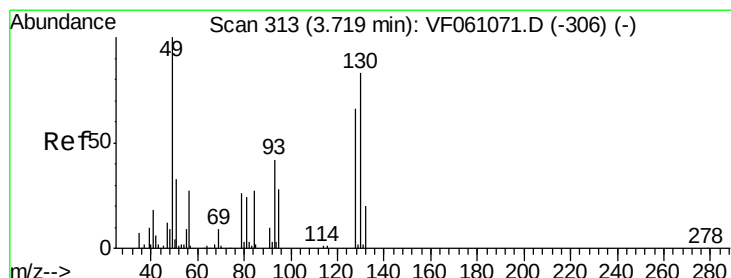
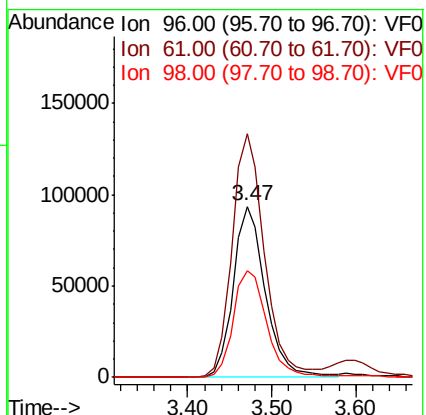
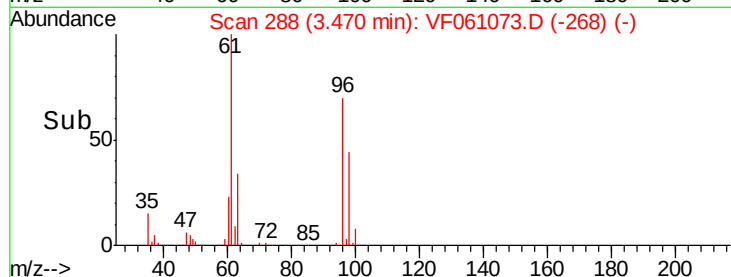
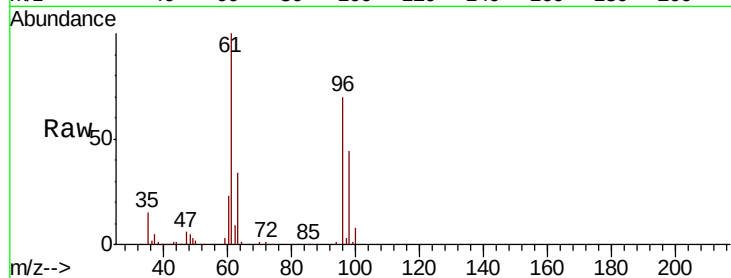
Tgt Ion: 96 Resp: 250290

Ion Ratio Lower Upper

96 100

61 142.3 0.0 287.8

98 62.0 0.0 134.2



#28

Bromochloromethane

Concen: 104.977 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

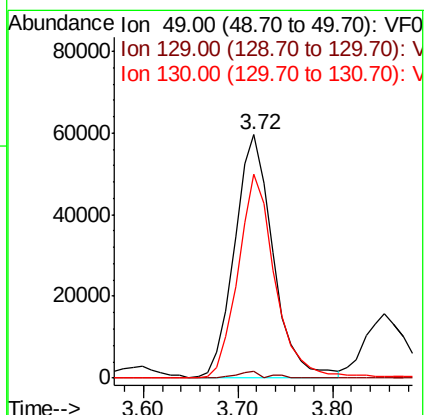
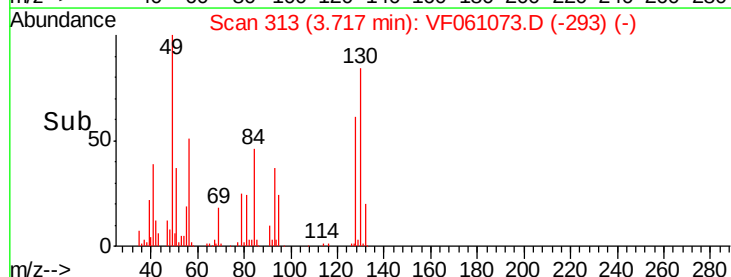
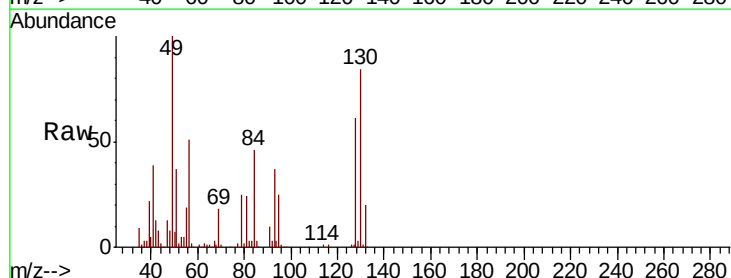
Tgt Ion: 49 Resp: 166302

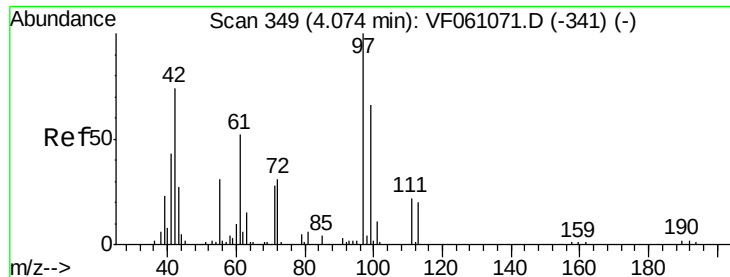
Ion Ratio Lower Upper

49 100

129 2.6 0.0 3.6

130 83.8 65.8 98.6





#29

Tetrahydrofuran

Concen: 433.693 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

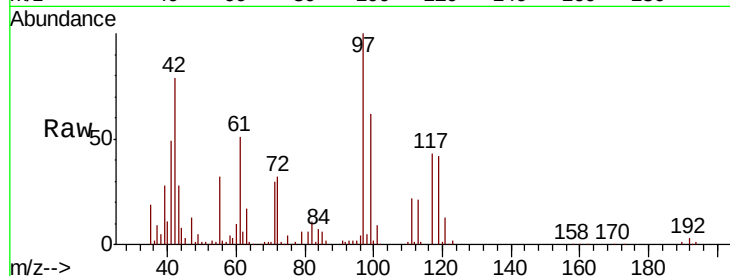
Tgt Ion: 42 Resp: 138511

Ion Ratio Lower Upper

42 100

72 34.8 31.8 47.8

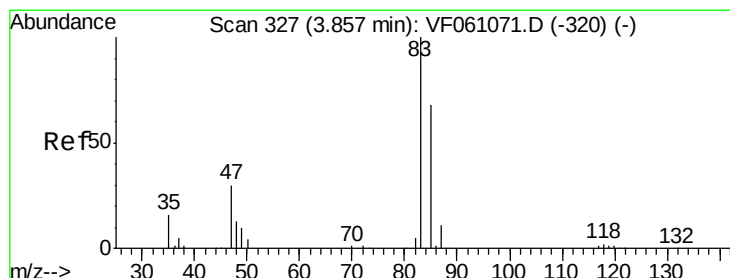
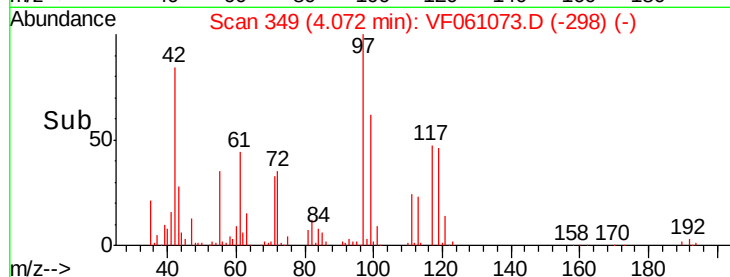
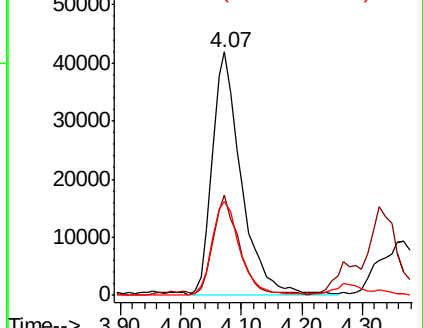
71 37.1 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 93.135 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF061073.D

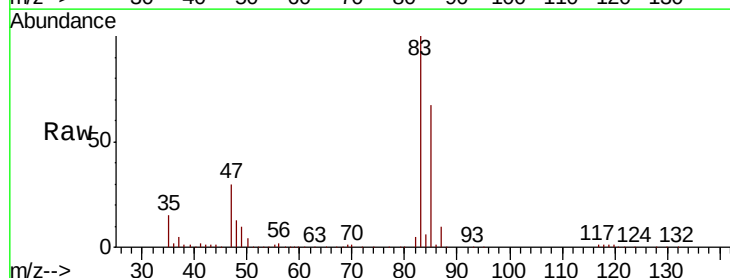
Acq: 18 Dec 2018 20:49

Tgt Ion: 83 Resp: 464050

Ion Ratio Lower Upper

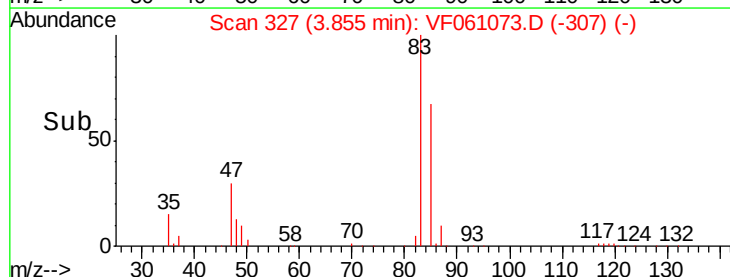
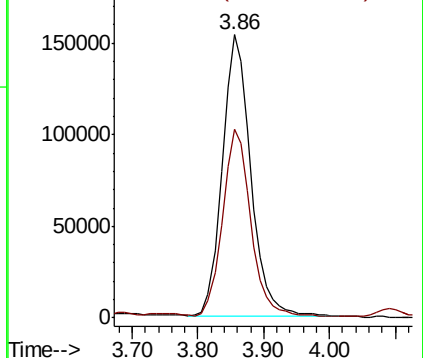
83 100

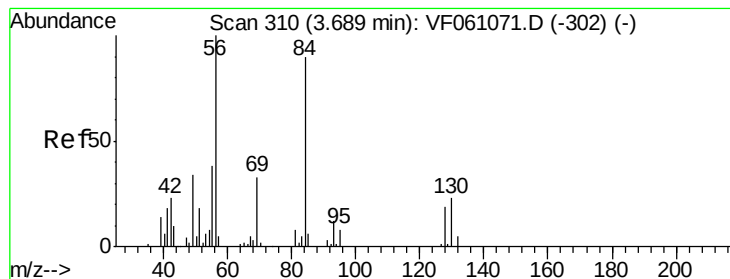
85 66.8 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 54.245 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

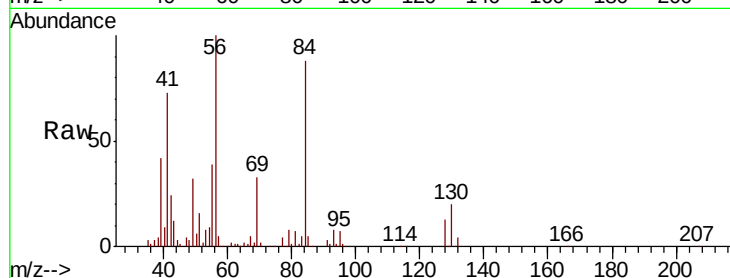
Tgt Ion: 56 Resp: 183602

Ion Ratio Lower Upper

56 100

69 33.2 26.0 39.0

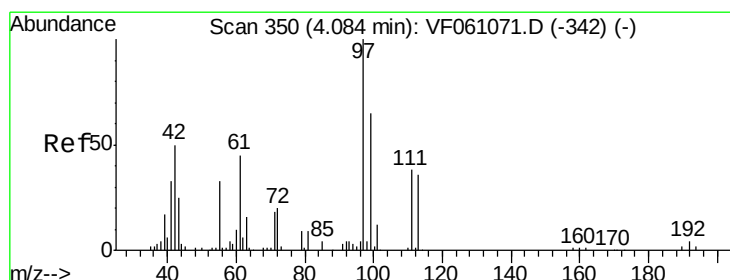
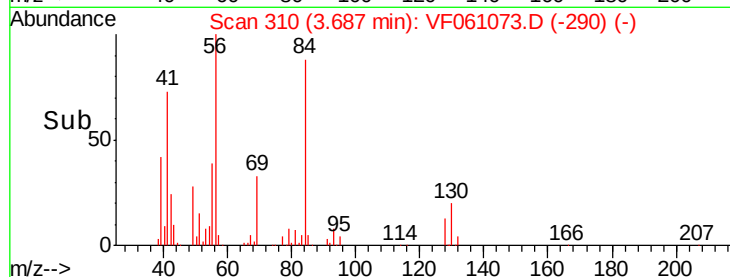
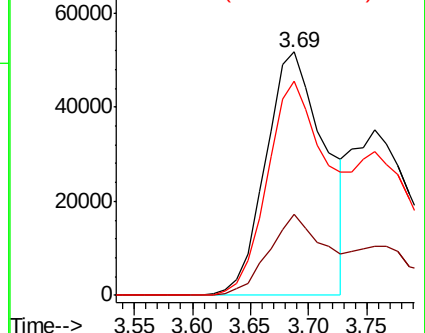
84 87.8 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 84.361 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

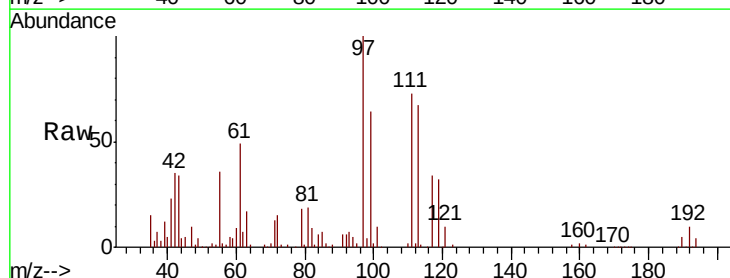
Tgt Ion: 97 Resp: 278233

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

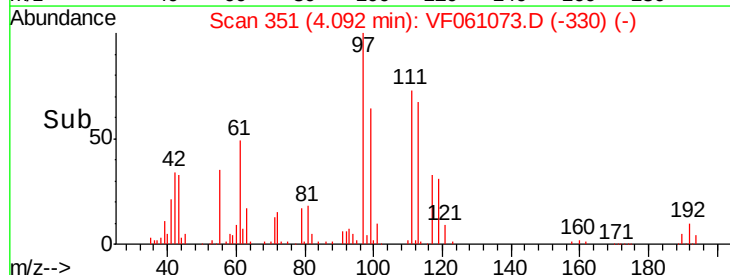
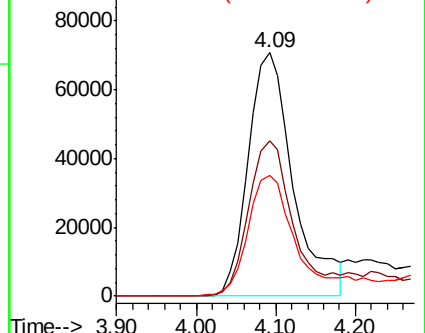
61 49.4 36.2 54.2

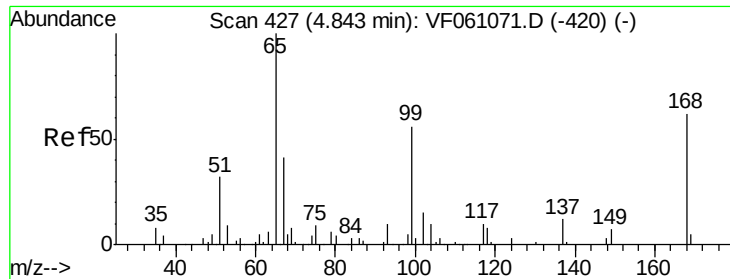


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

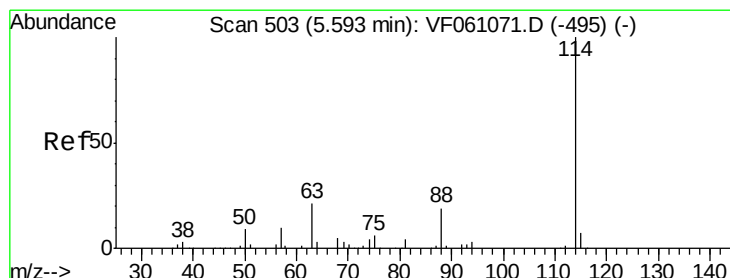
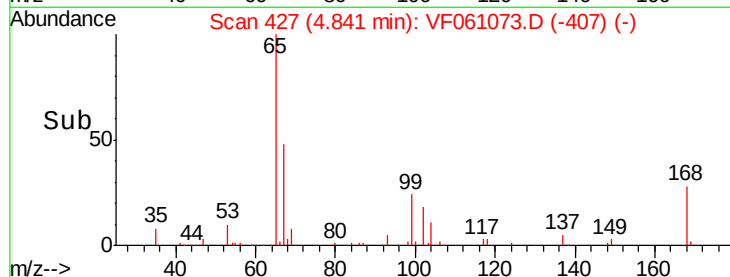
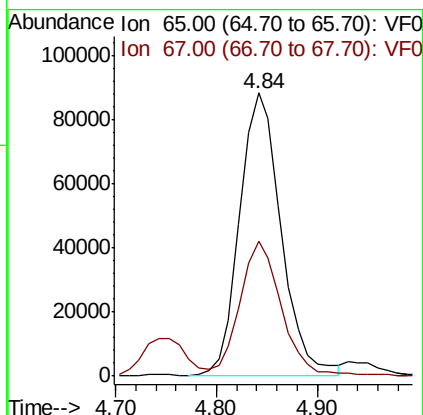
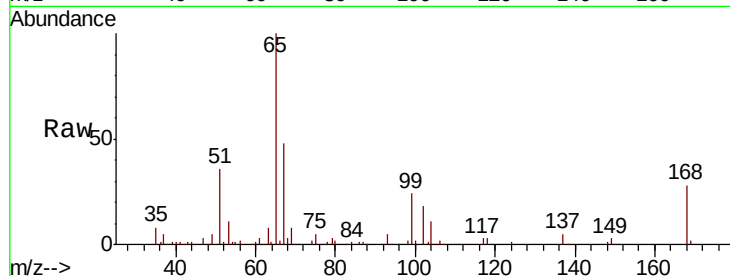




#33
 1,2-Dichloroethane-d4
 Concen: 108.221 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

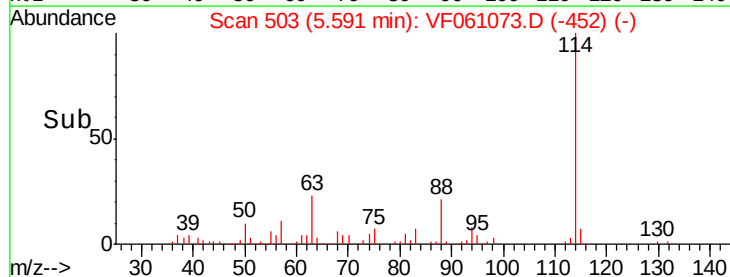
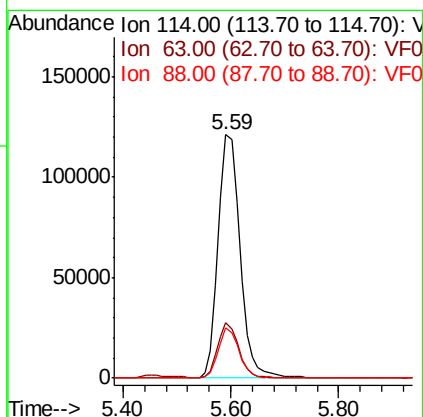
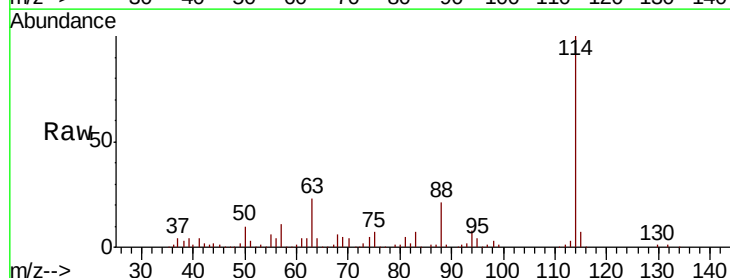
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

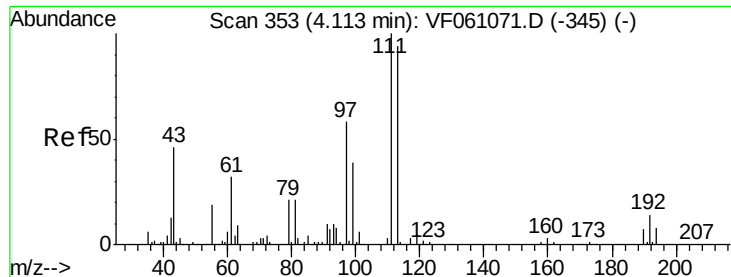
Tgt Ion: 65 Resp: 252595
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion: 114 Resp: 343951
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 41.6
 88 20.8 0.0 38.0





#35

Dibromofluoromethane

Concen: 95.549 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

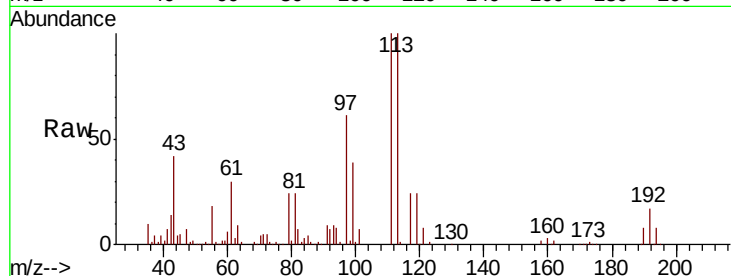
Tgt Ion: 113 Resp: 255909

Ion Ratio Lower Upper

113 100

111 100.0 85.2 127.8

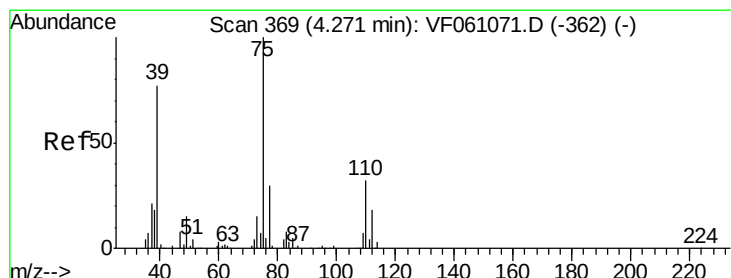
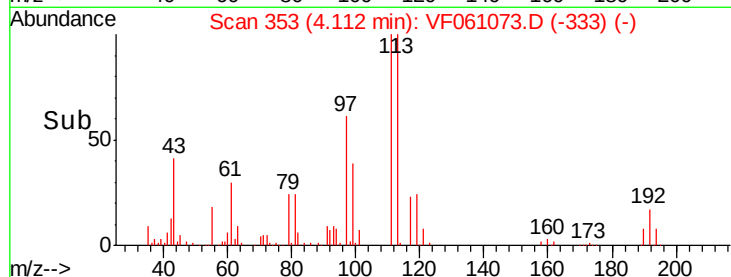
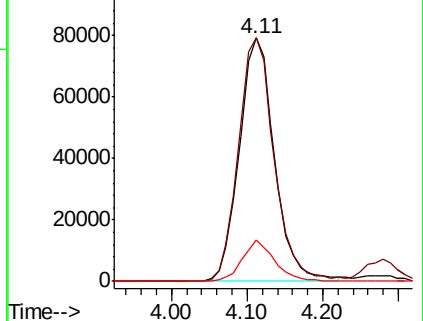
192 17.0 12.8 19.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 93.196 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

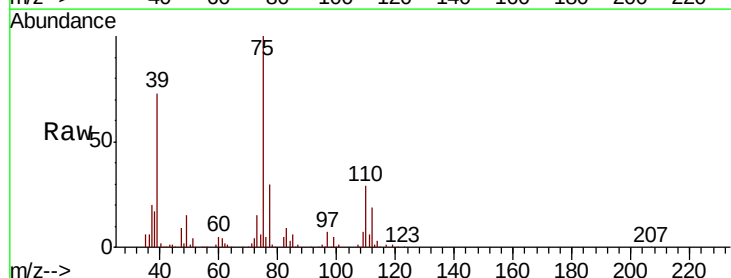
Tgt Ion: 75 Resp: 358946

Ion Ratio Lower Upper

75 100

110 29.3 16.1 48.2

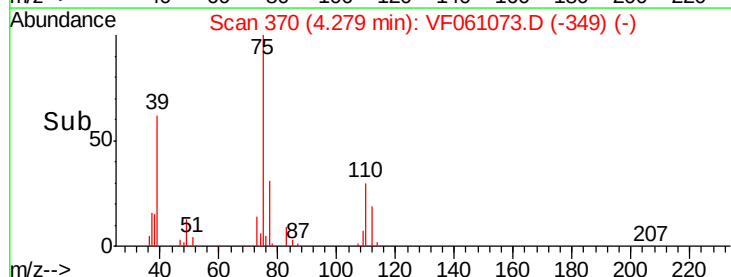
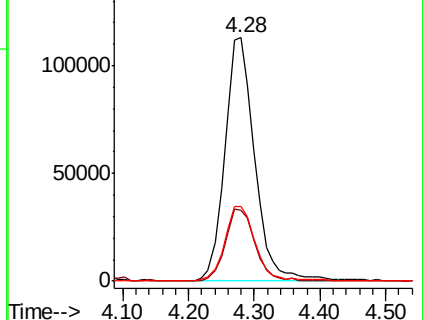
77 30.4 24.5 36.7

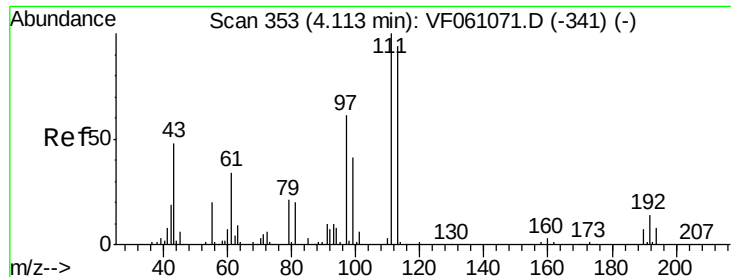


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

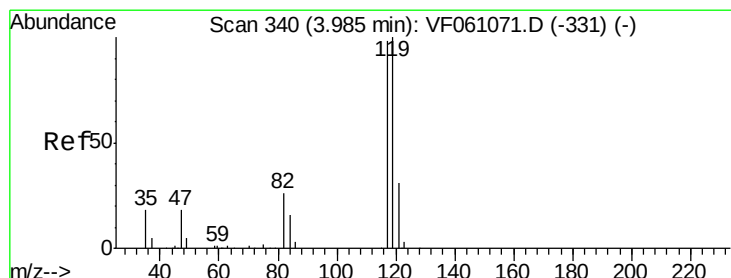
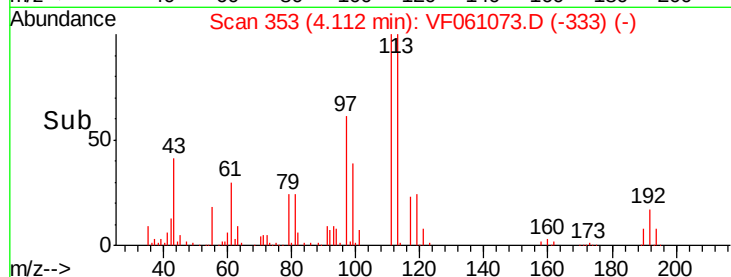
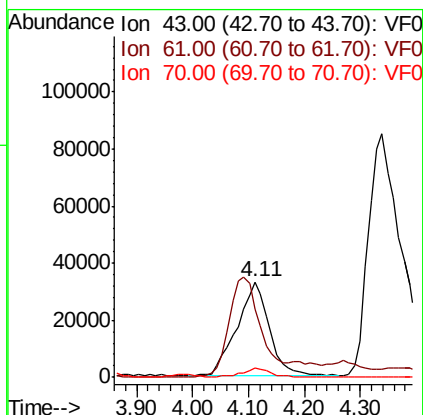
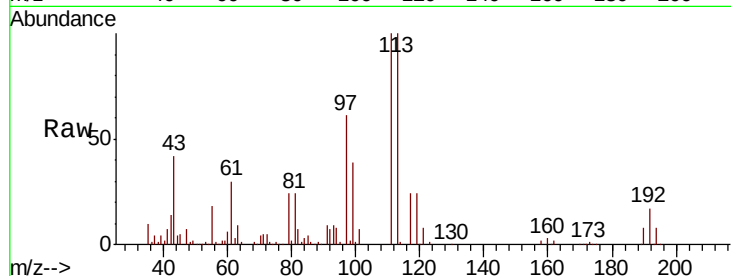




#37
Ethyl Acetate
Concen: 85.199 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

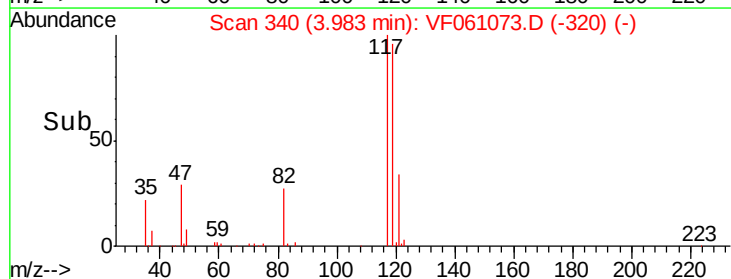
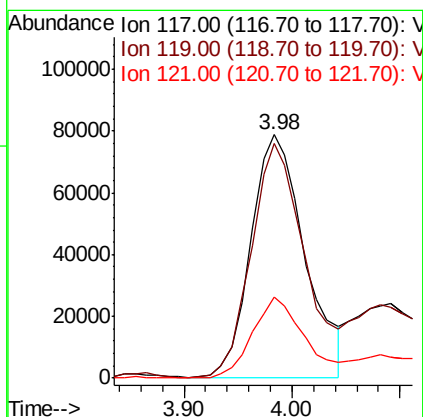
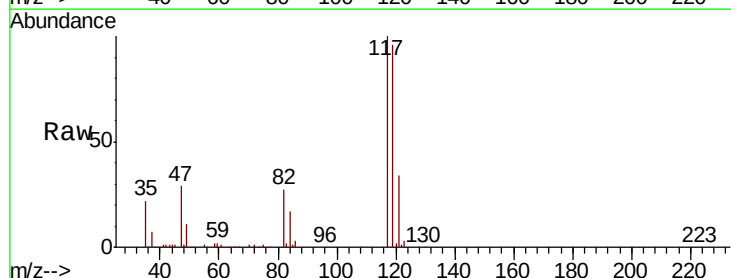
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

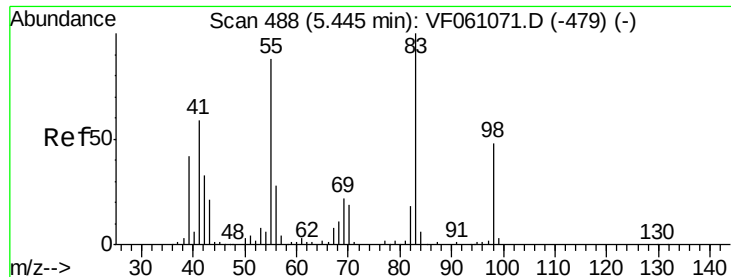
Tgt Ion: 43 Resp: 132556
Ion Ratio Lower Upper
43 100
61 71.2 56.6 84.8
70 10.1 6.3 9.5#



#38
Carbon Tetrachloride
Concen: 84.326 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 117 Resp: 274999
Ion Ratio Lower Upper
117 100
119 96.5 82.1 123.1
121 34.1 25.5 38.3

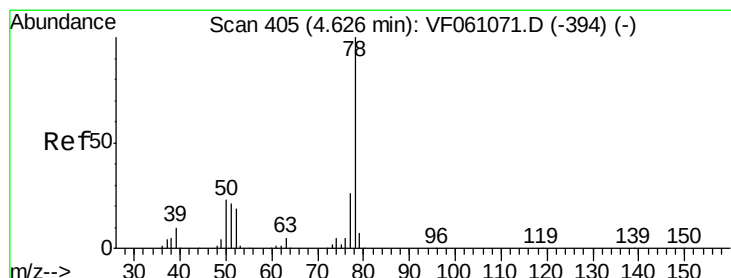
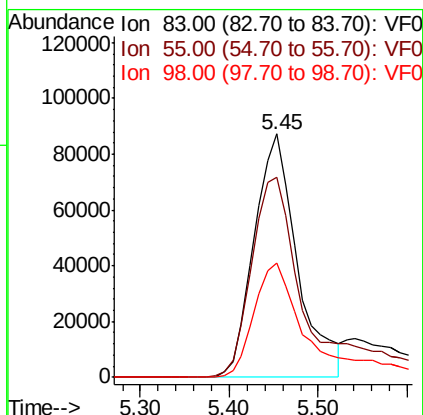
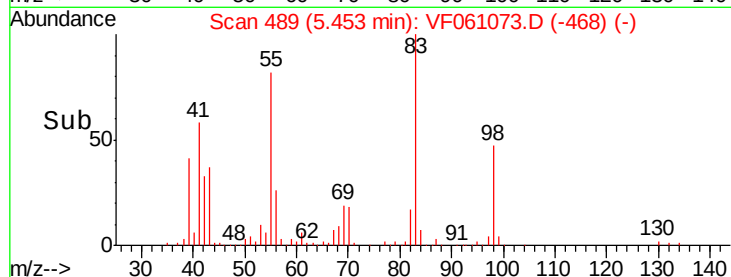
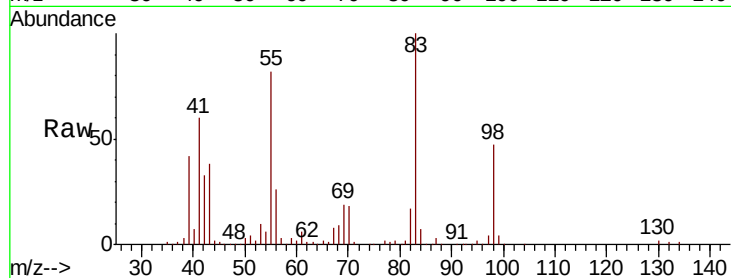




#39
Methylcyclohexane
Concen: 73.589 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

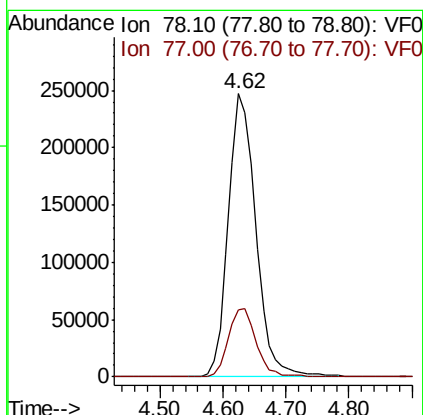
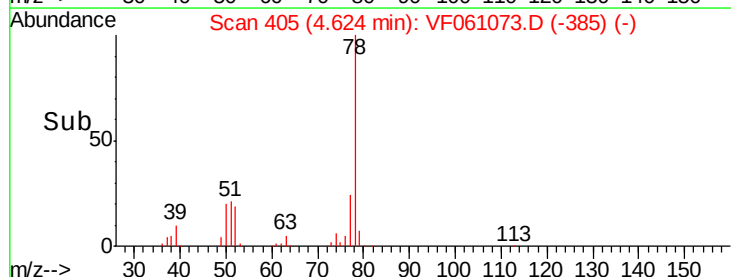
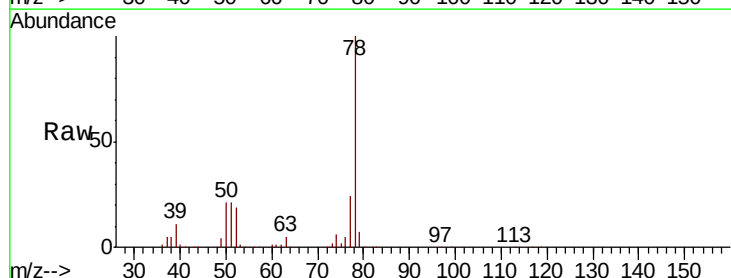
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

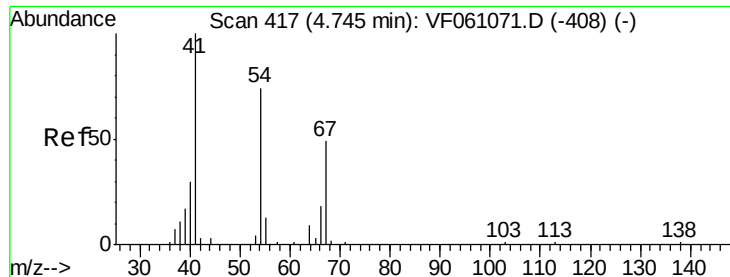
Tgt Ion: 83 Resp: 294631
Ion Ratio Lower Upper
83 100
55 82.4 70.6 105.8
98 47.0 38.5 57.7



#40
Benzene
Concen: 88.178 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 78 Resp: 747084
Ion Ratio Lower Upper
78 100
77 23.6 20.7 31.1

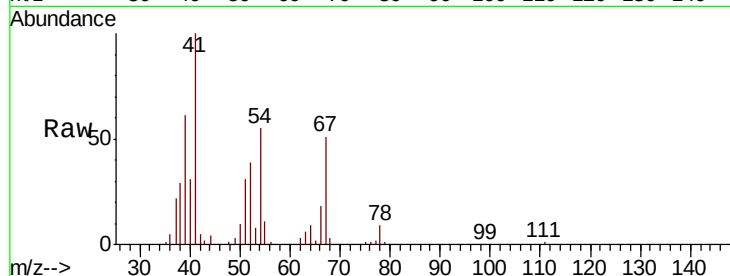




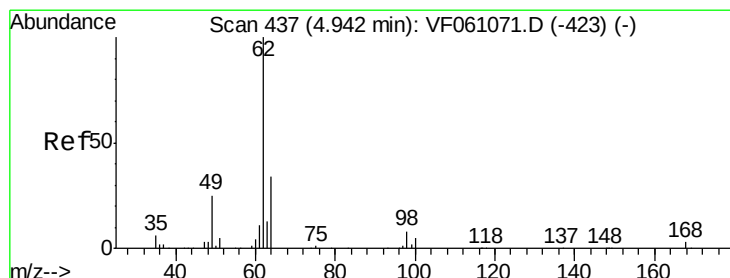
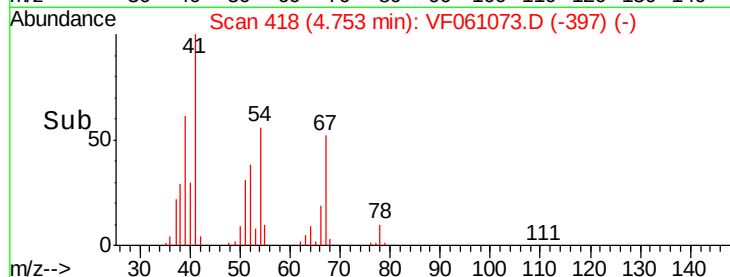
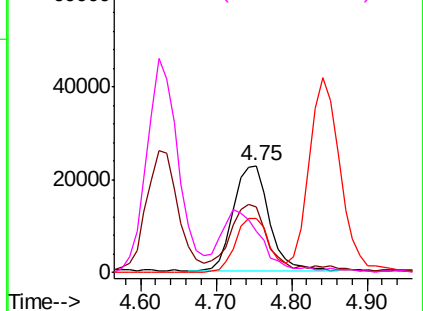
#41
Methacrylonitrile
Concen: 80.923 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	74533
Ion	Ratio	Lower	Upper
41	100		
39	61.1	45.7	68.5
67	51.0	38.9	58.3
52	38.5	35.2	52.8

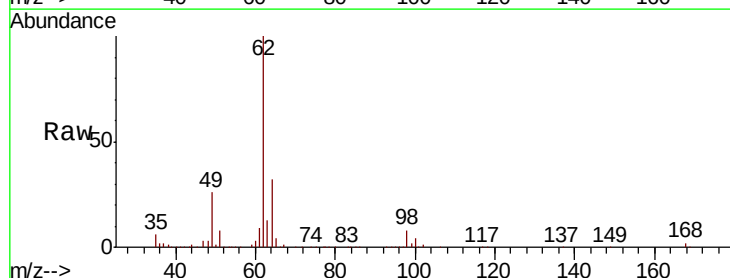


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

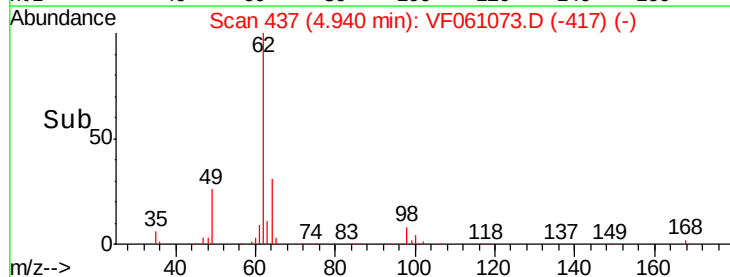
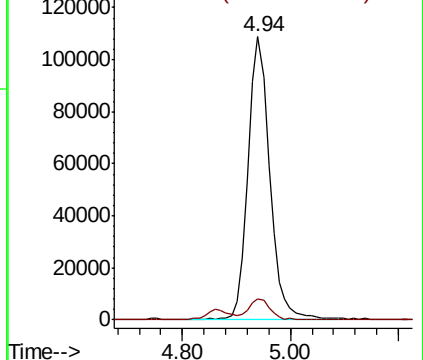


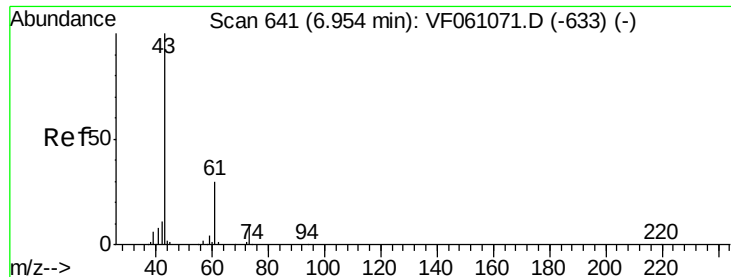
#42
1,2-Dichloroethane
Concen: 98.474 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion:	62	Resp:	304178
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



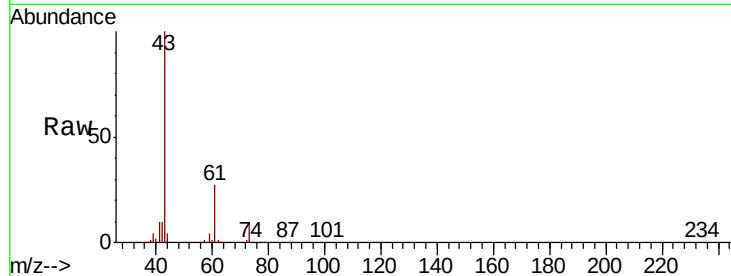


#43

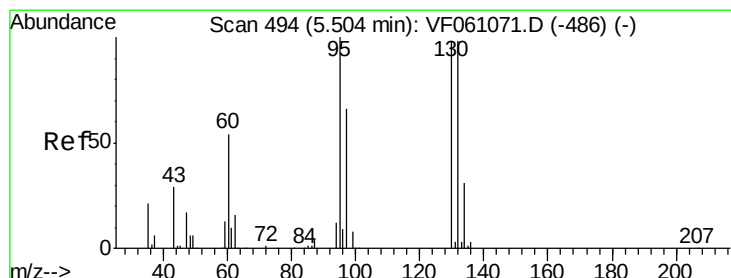
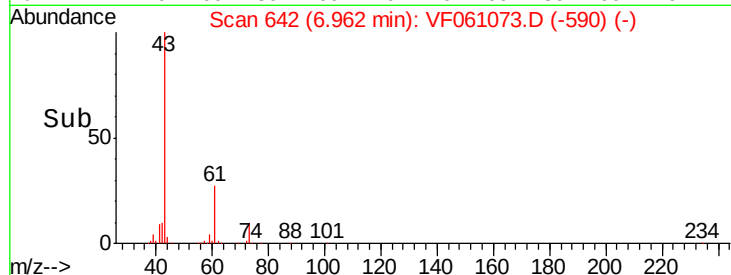
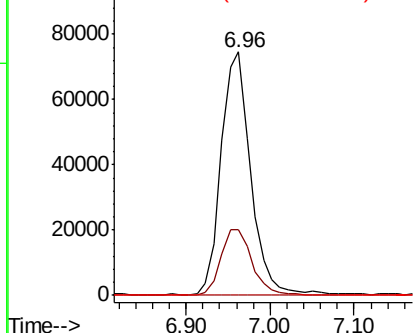
Isopropyl Acetate
 Concen: 87.660 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 182936
 Ion Ratio Lower Upper
 43 100
 61 27.0 23.8 35.8
 87 0.3 0.0 0.0#



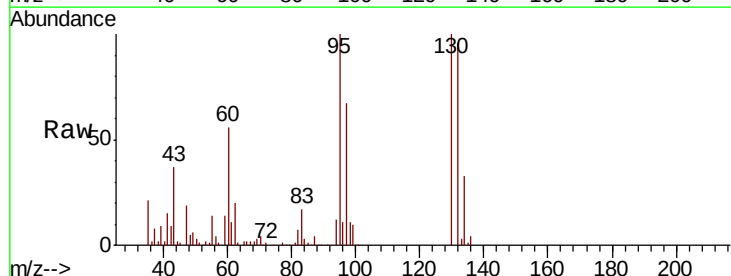
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



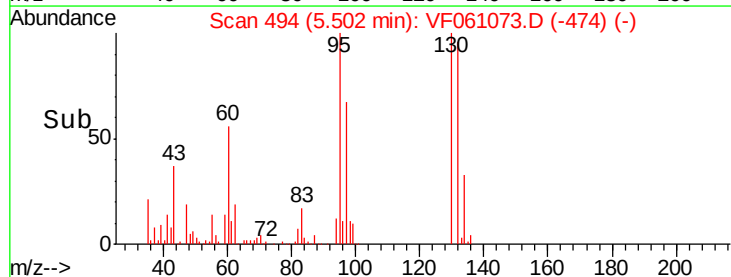
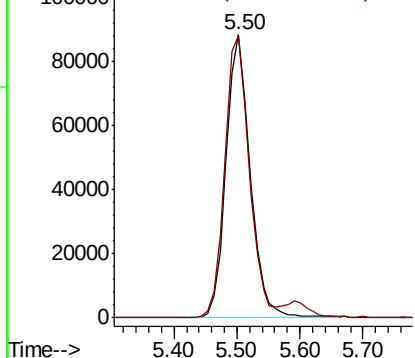
#44

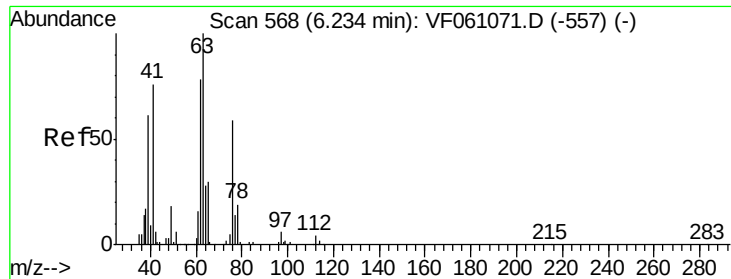
Trichloroethene
 Concen: 84.836 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion: 130 Resp: 234429
 Ion Ratio Lower Upper
 130 100
 95 99.5 0.0 205.2



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

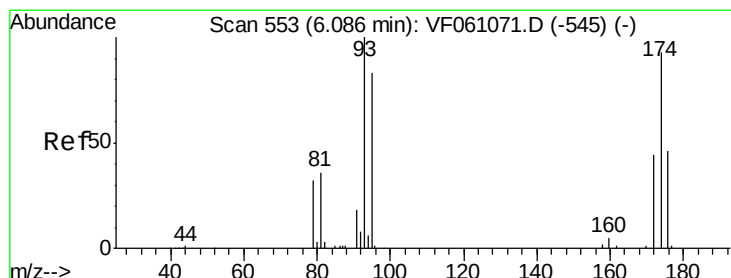
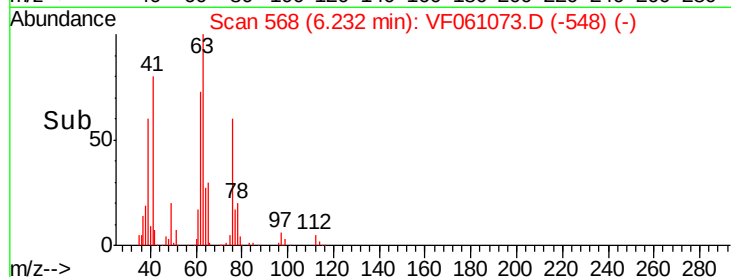
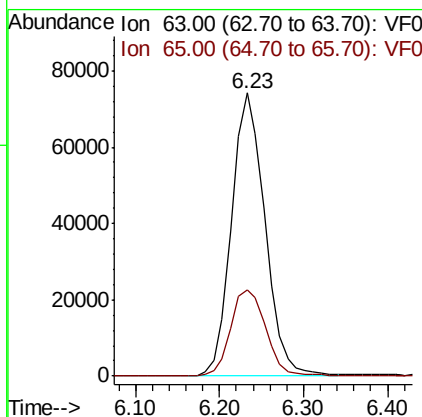
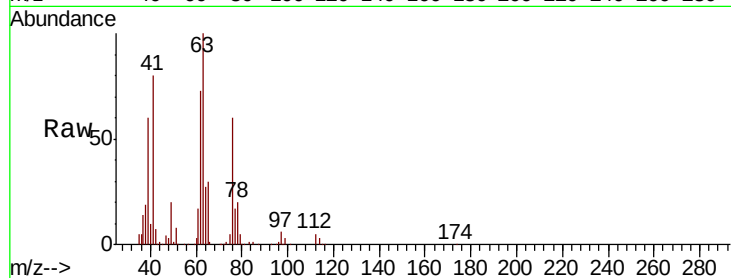




#45
 1,2-Dichloropropane
 Concen: 93.815 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

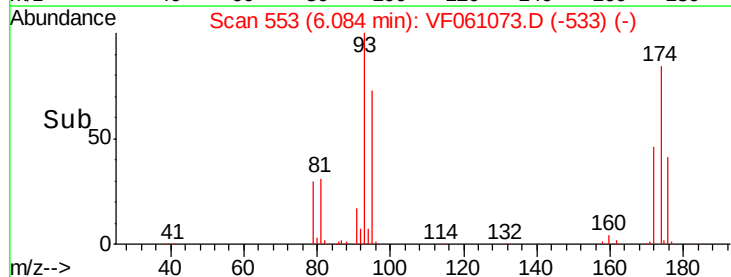
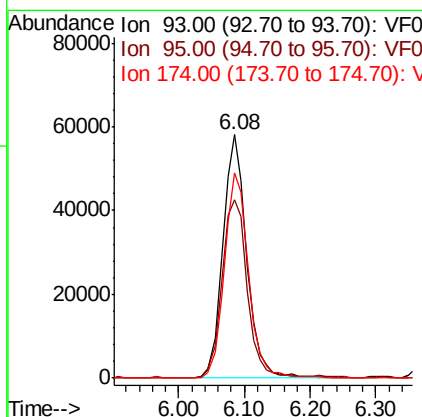
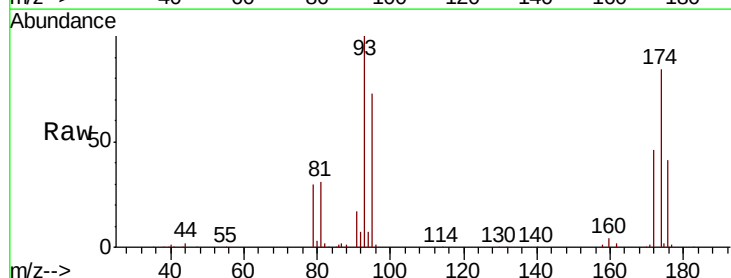
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

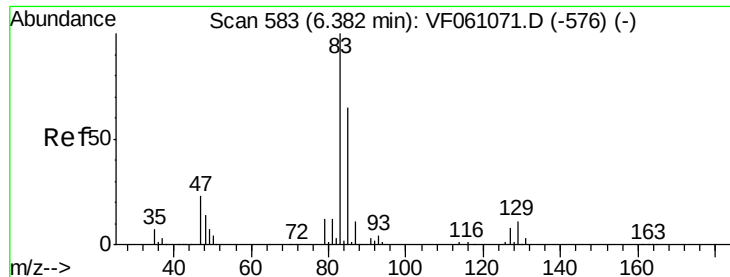
Tgt Ion: 63 Resp: 205612
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6



#46
 Dibromomethane
 Concen: 99.199 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion: 93 Resp: 147260
 Ion Ratio Lower Upper
 93 100
 95 73.0 66.9 100.3
 174 84.1 74.1 111.1





#47

Bromodichloromethane

Concen: 92.182 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

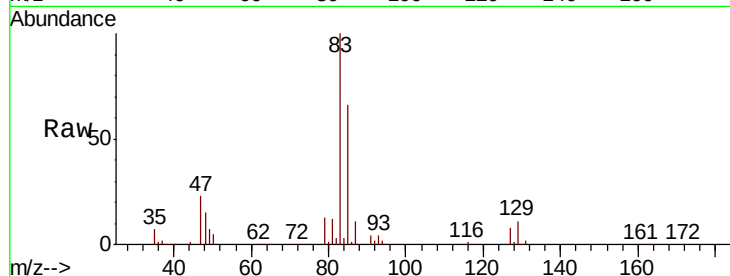
Tgt Ion: 83 Resp: 364347

Ion Ratio Lower Upper

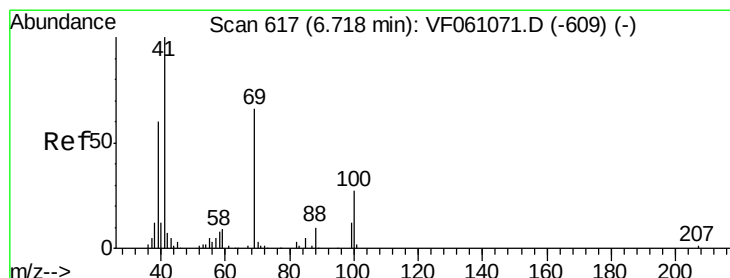
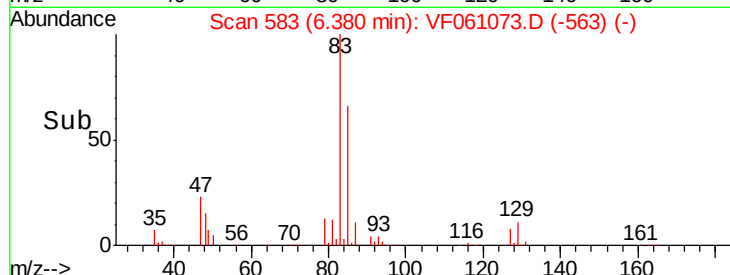
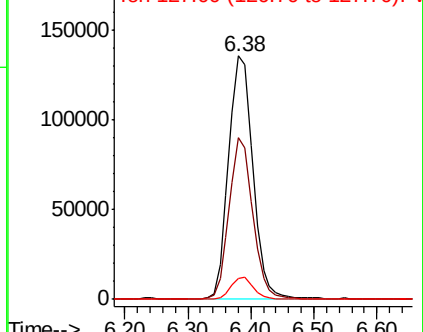
83 100

85 66.4 52.2 78.4

127 8.5 6.1 9.1



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: 94.773 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

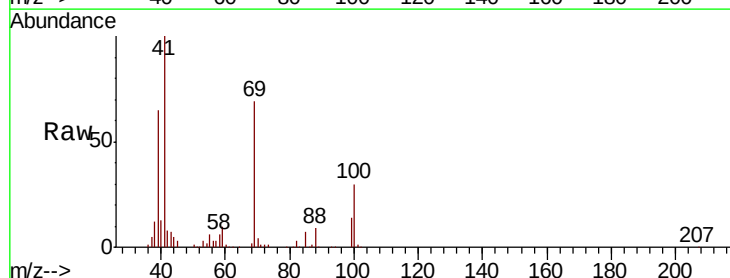
Tgt Ion: 41 Resp: 132191

Ion Ratio Lower Upper

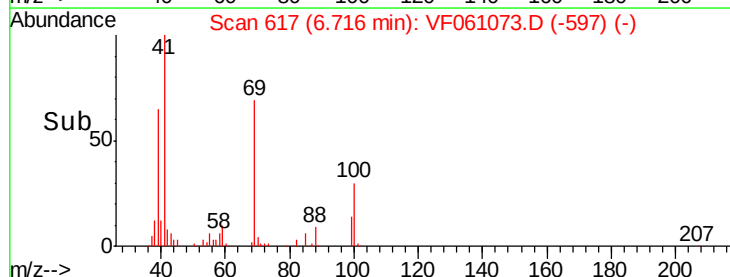
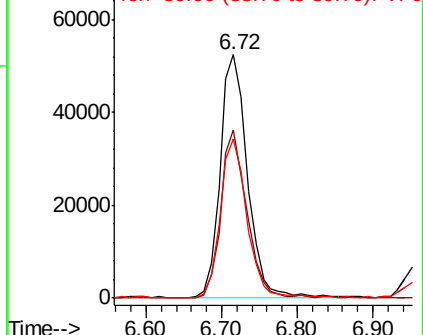
41 100

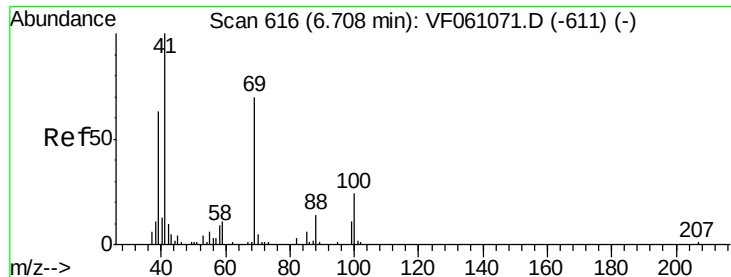
69 69.2 52.7 79.1

39 65.2 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

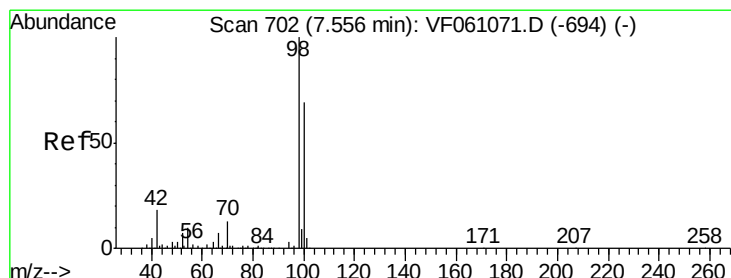
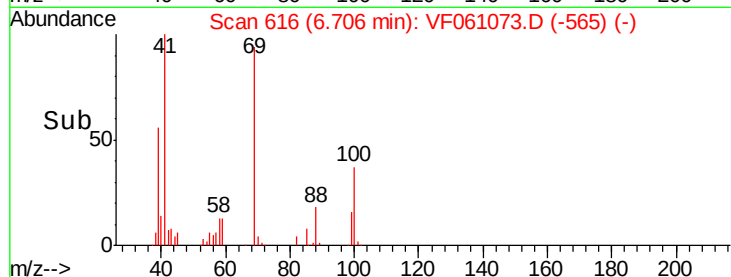
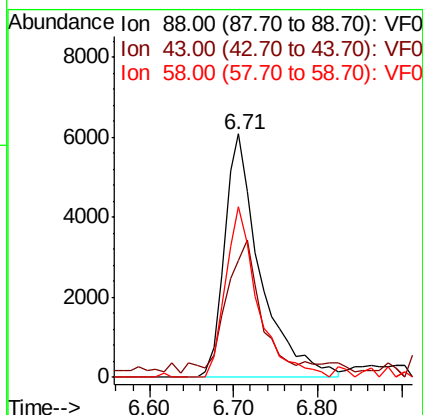
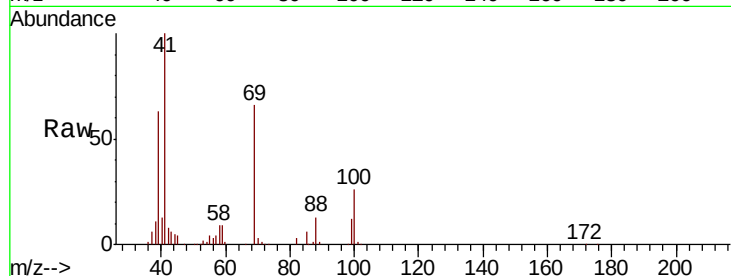




#49
1,4-Dioxane
Concen: 1771.619 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

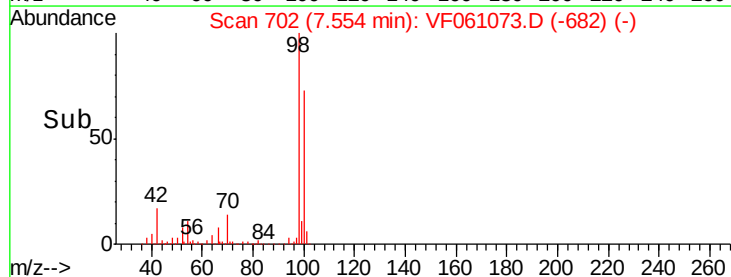
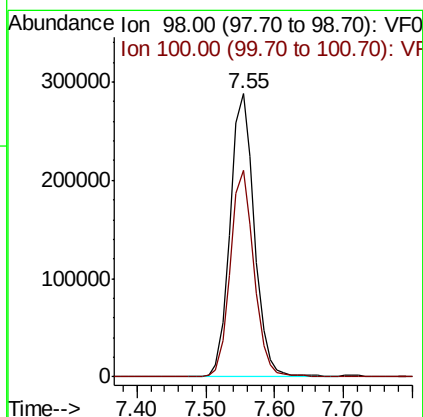
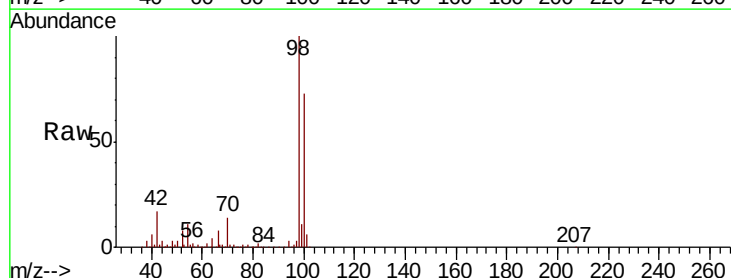
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

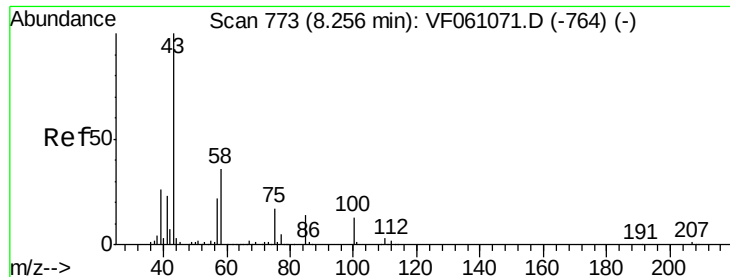
Tgt Ion: 88 Resp: 17867
Ion Ratio Lower Upper
88 100
43 48.3 33.3 49.9
58 70.0 53.2 79.8



#50
Toluene-d8
Concen: 88.954 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 98 Resp: 703381
Ion Ratio Lower Upper
98 100
100 72.8 55.3 82.9

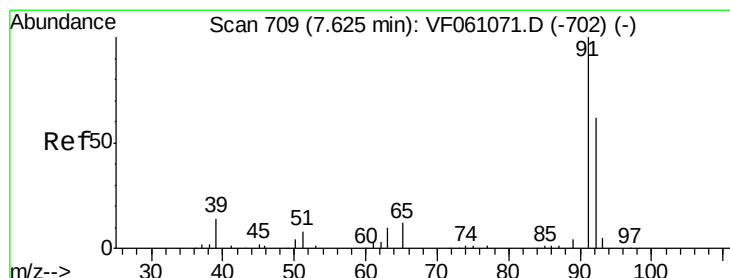
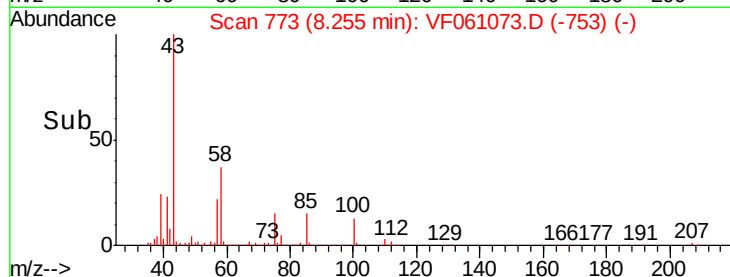
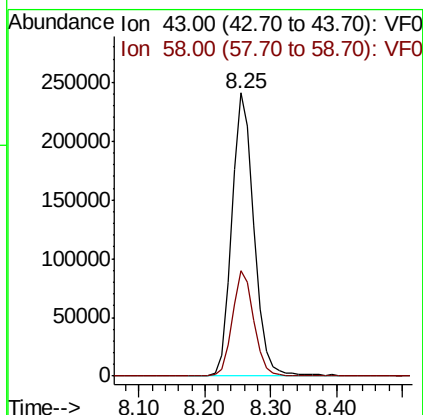
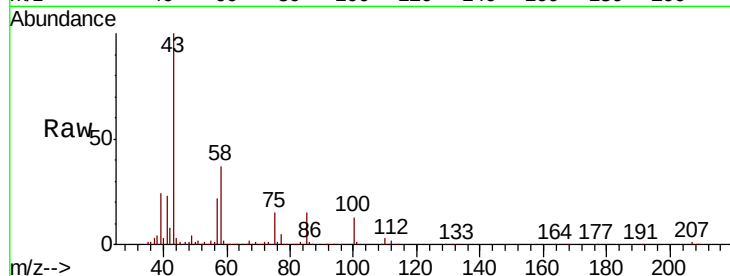




#51
4-Methyl-2-Pentanone
Concen: 401.359 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

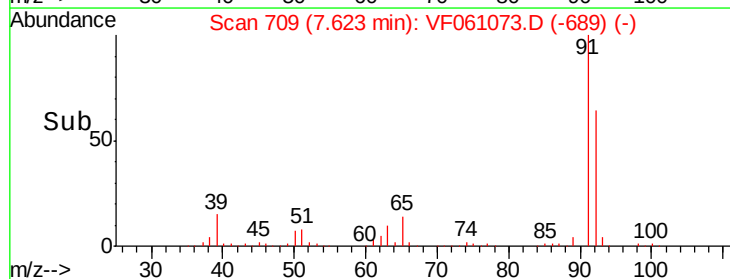
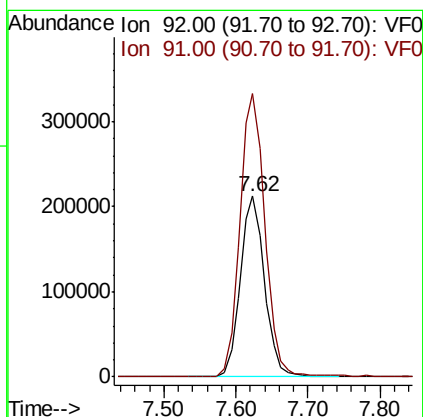
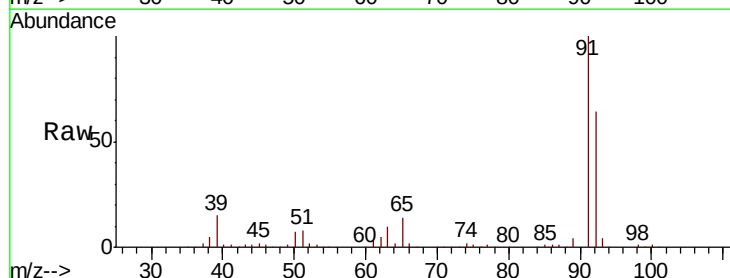
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

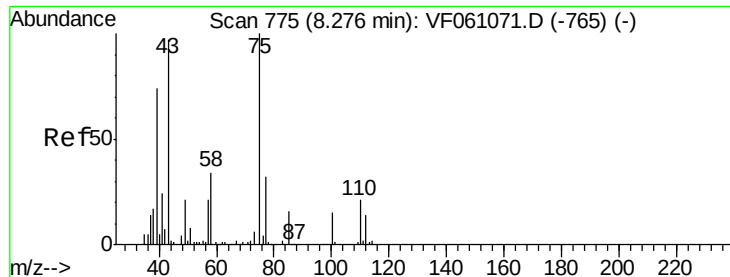
Tgt Ion: 43 Resp: 568832
Ion Ratio Lower Upper
43 100
58 37.3 29.1 43.7



#52
Toluene
Concen: 84.452 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 92 Resp: 500976
Ion Ratio Lower Upper
92 100
91 156.8 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 89.532 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

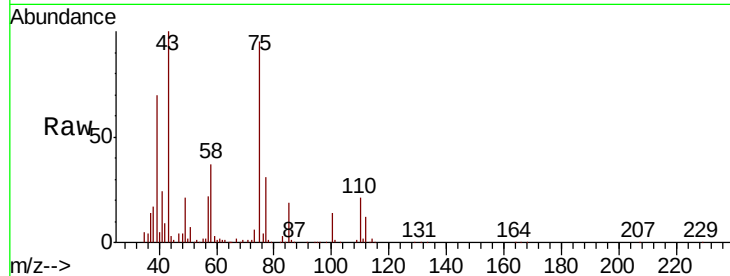
VSTDIC100

Tgt Ion: 75 Resp: 285705

Ion Ratio Lower Upper

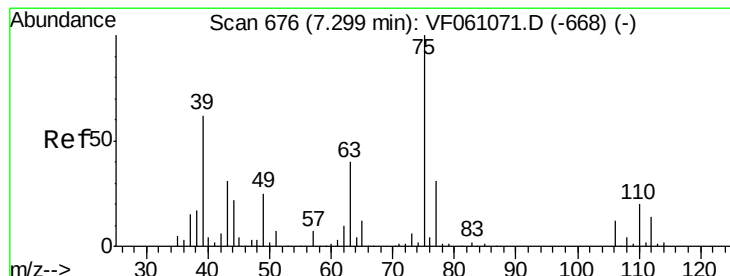
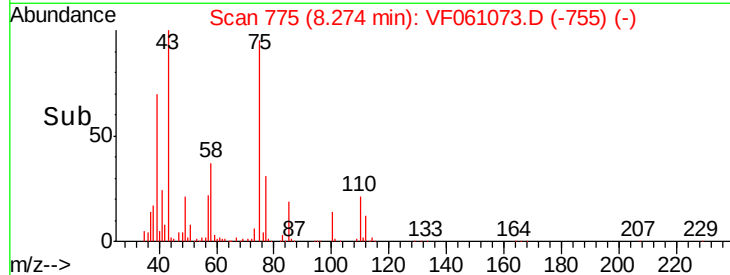
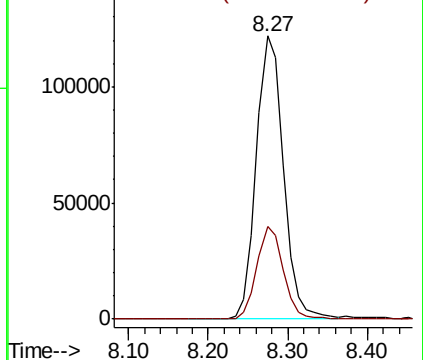
75 100

77 32.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 91.203 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

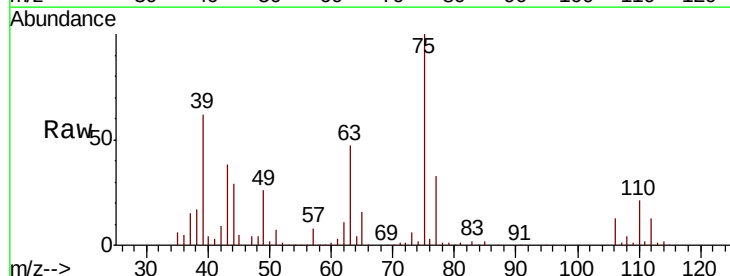
Tgt Ion: 75 Resp: 359152

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4

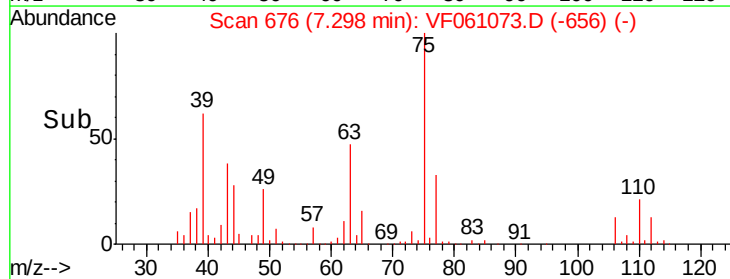
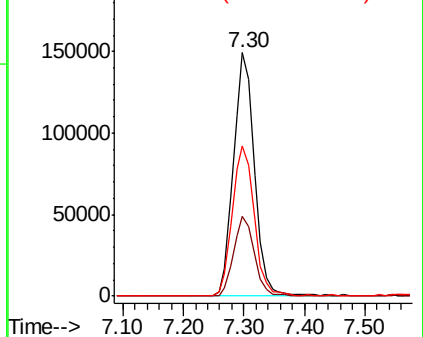
39 61.9 50.1 75.1

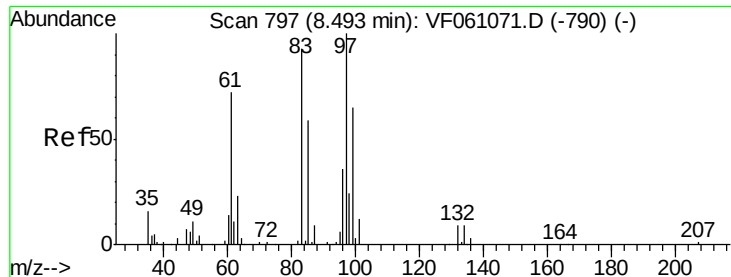


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 90.035 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 153694

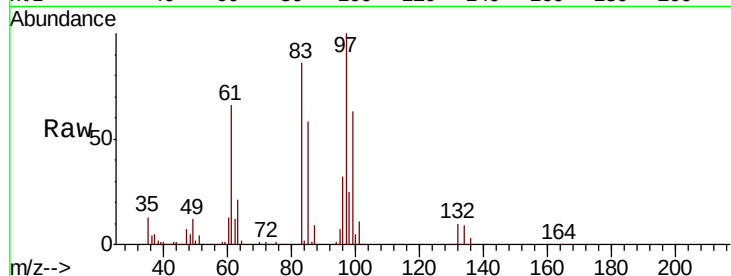
Ion Ratio Lower Upper

97 100

83 86.5 75.0 112.4

85 57.9 47.5 71.3

99 63.4 51.9 77.9

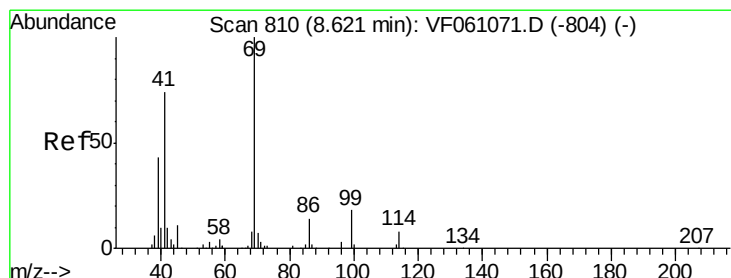
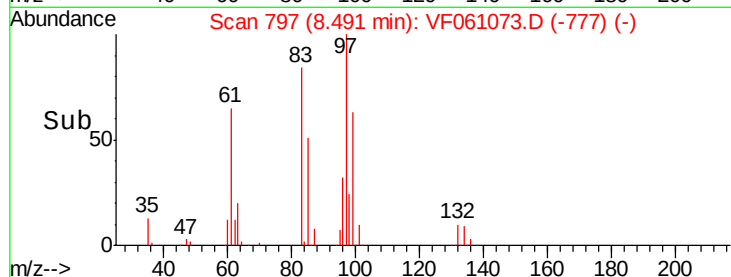
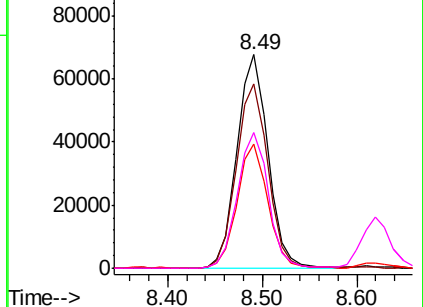


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 93.543 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

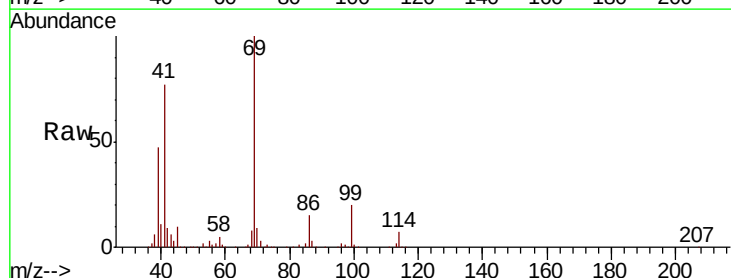
Tgt Ion: 69 Resp: 176085

Ion Ratio Lower Upper

69 100

41 76.9 59.7 89.5

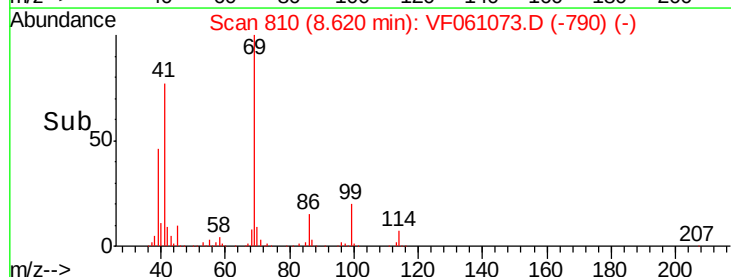
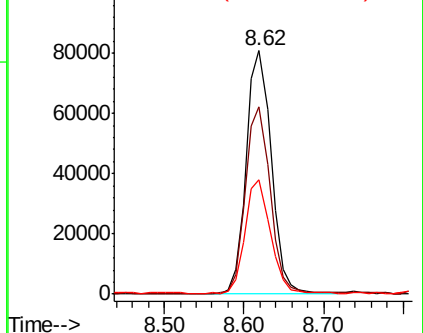
39 47.2 35.0 52.6

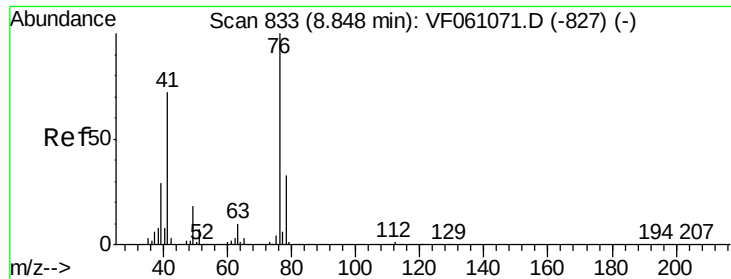


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 92.729 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

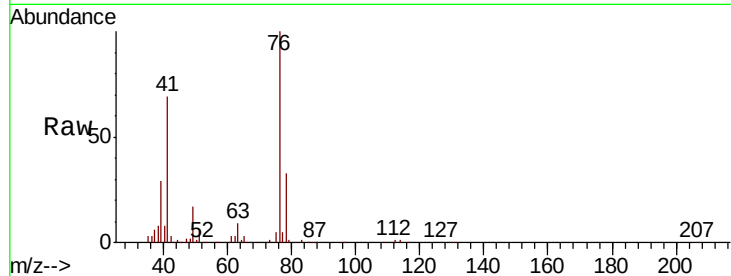
VSTDIC100

Tgt Ion: 76 Resp: 277834

Ion Ratio Lower Upper

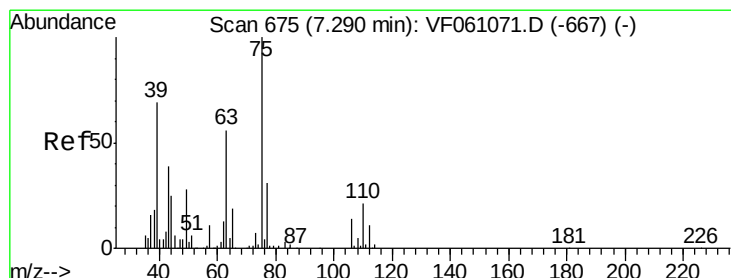
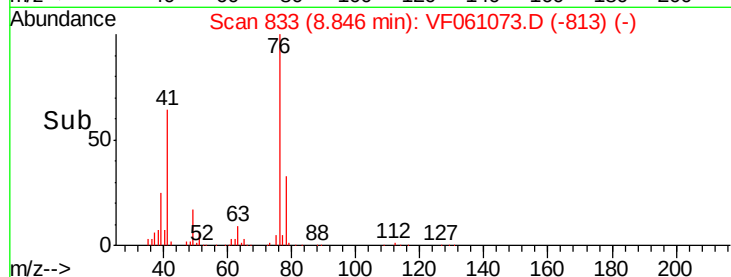
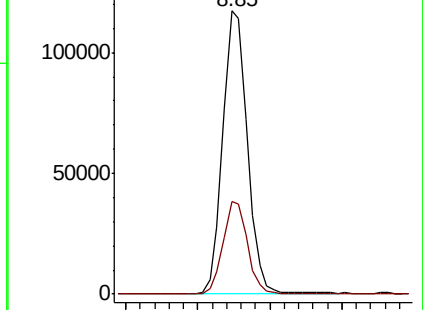
76 100

78 32.9 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 793.126 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061073.D

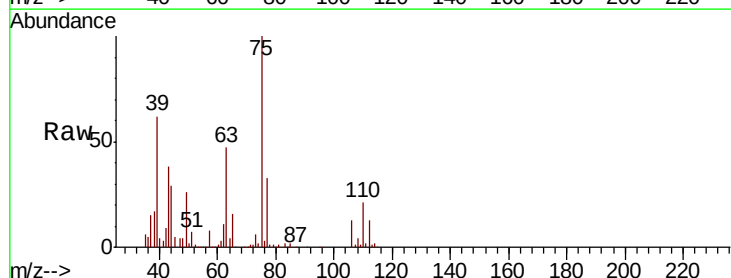
Acq: 18 Dec 2018 20:49

Tgt Ion: 63 Resp: 176764

Ion Ratio Lower Upper

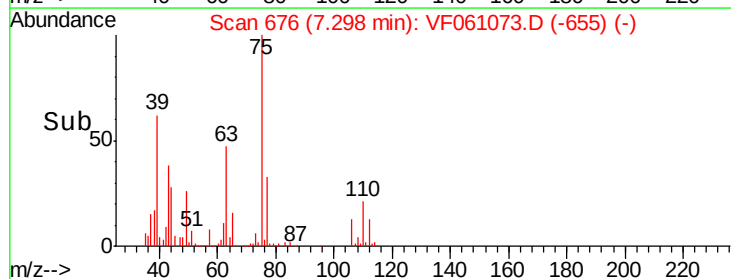
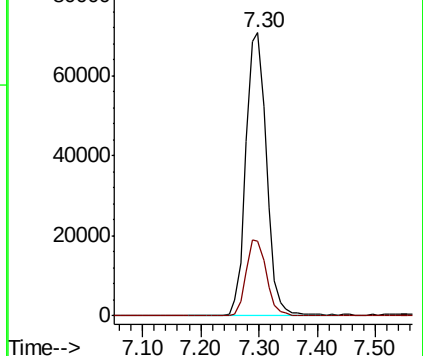
63 100

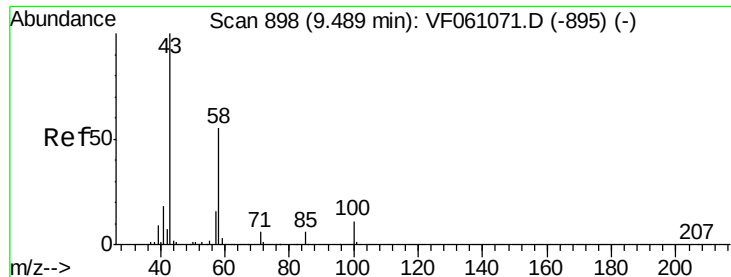
106 26.6 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

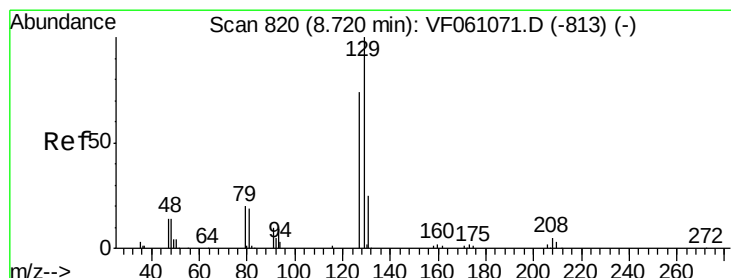
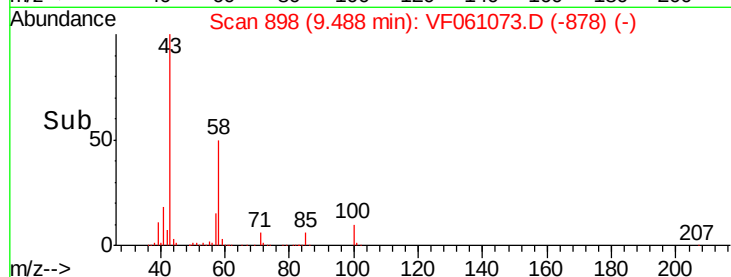
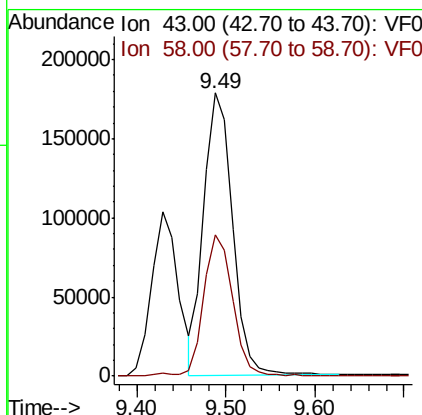
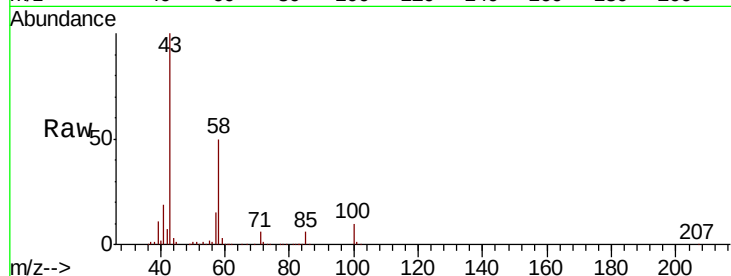




#59
2-Hexanone
Concen: 398.761 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

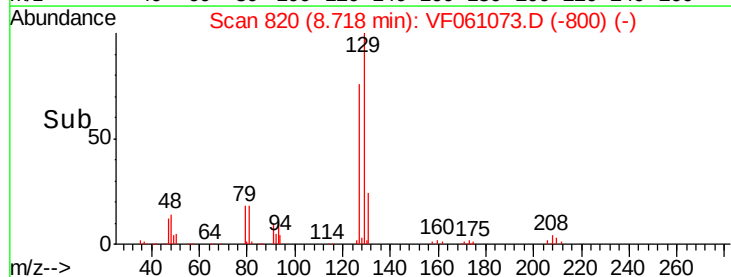
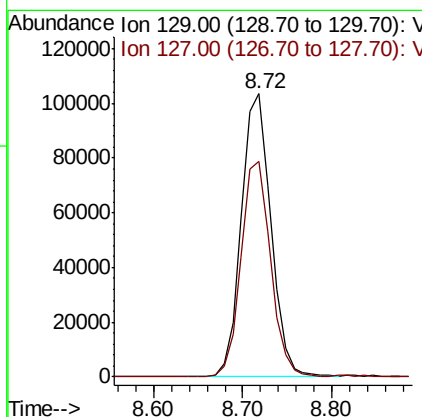
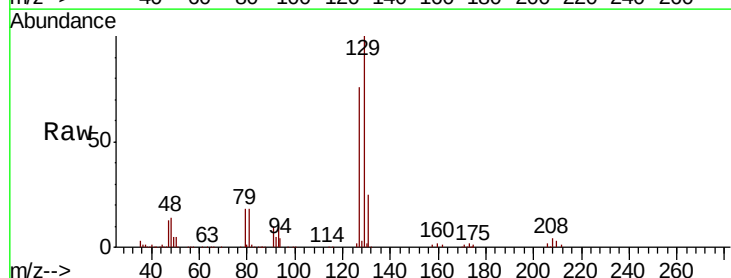
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

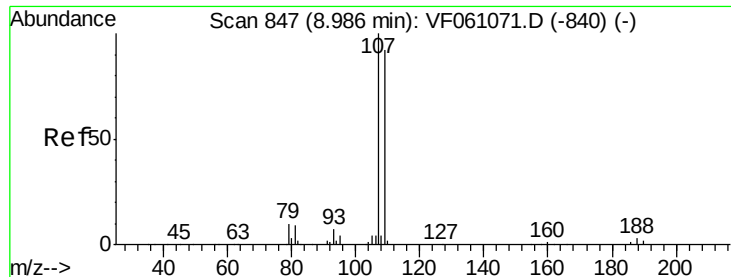
Tgt Ion: 43 Resp: 399374
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.2



#60
Dibromochloromethane
Concen: 93.543 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 129 Resp: 238495
Ion Ratio Lower Upper
129 100
127 76.2 36.8 110.3

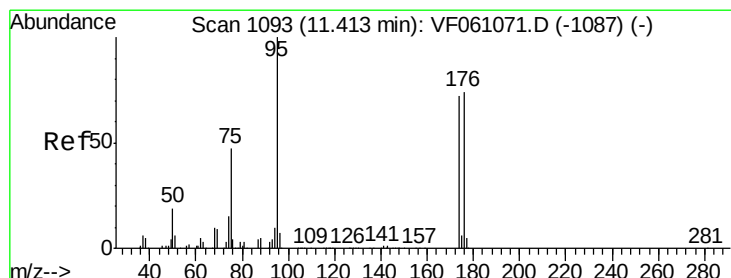
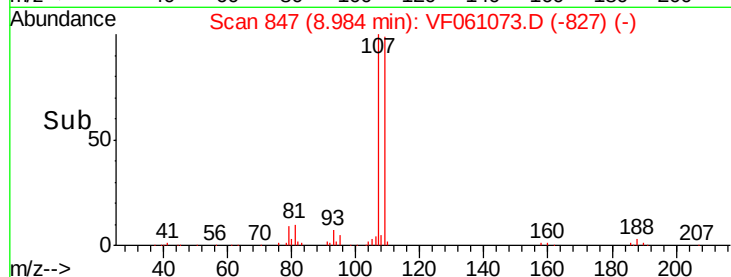
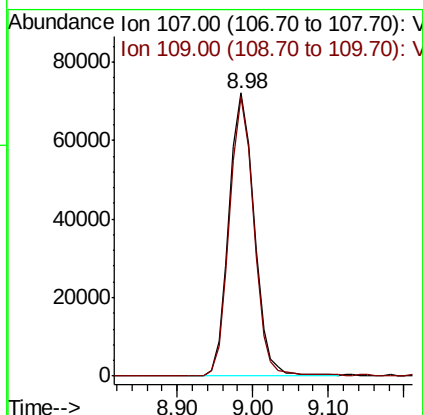
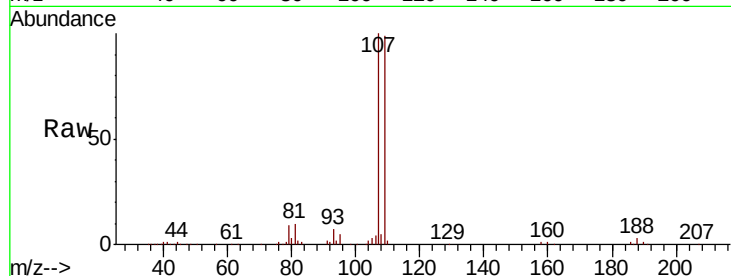




#61
 1,2-Dibromoethane
 Concen: 90.364 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

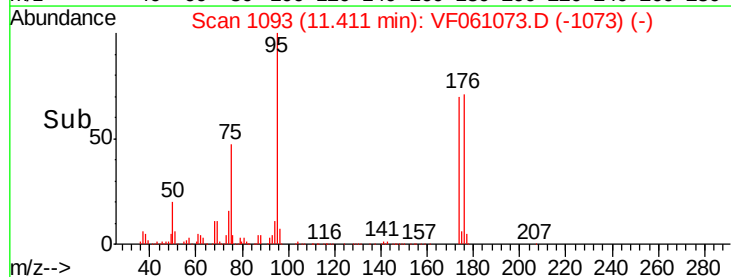
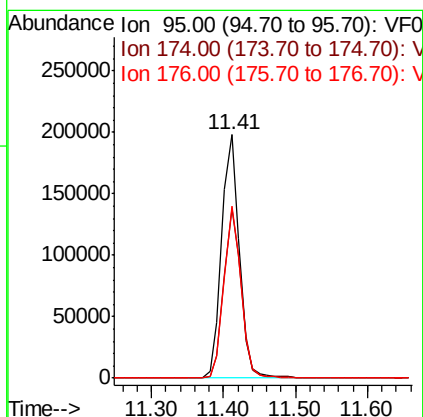
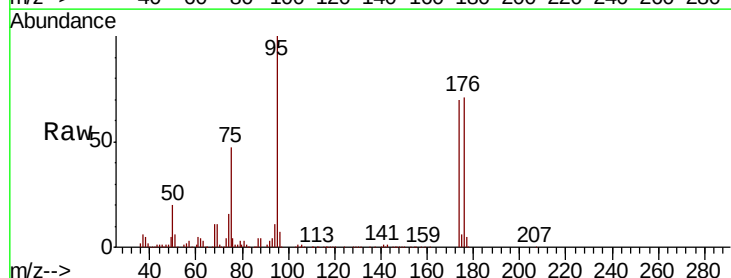
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

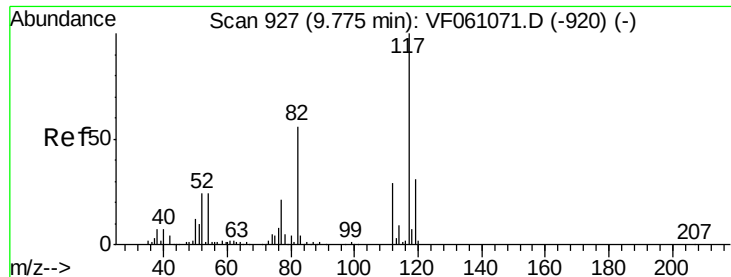
Tgt Ion: 107 Resp: 167680
 Ion Ratio Lower Upper
 107 100
 109 98.7 73.7 110.5



#62
 4-Bromofluorobenzene
 Concen: 93.802 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion: 95 Resp: 335969
 Ion Ratio Lower Upper
 95 100
 174 69.7 0.0 143.8
 176 70.7 0.0 147.6

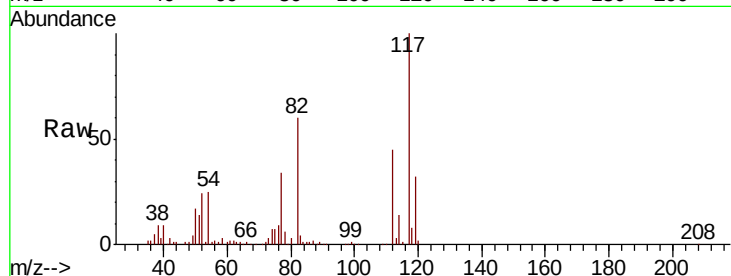




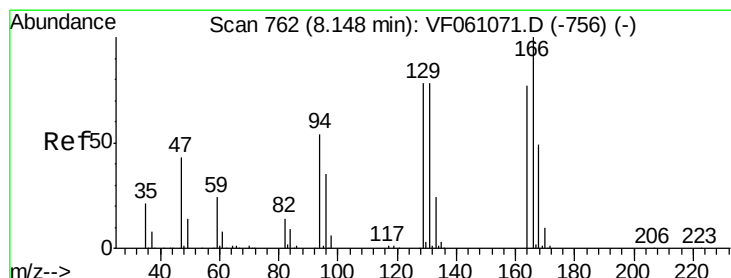
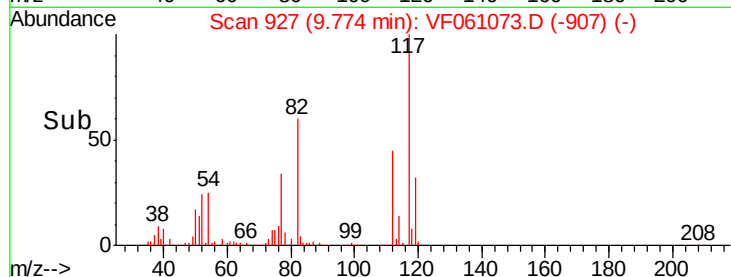
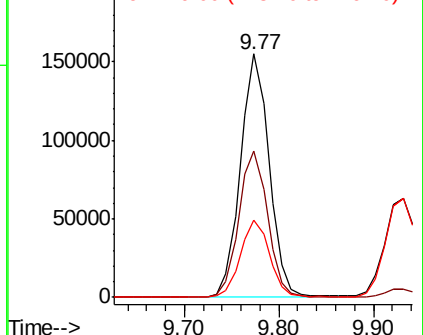
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 328419
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.4
119 31.7 24.8 37.2

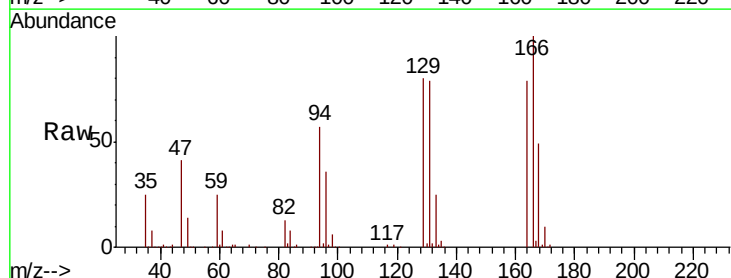


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

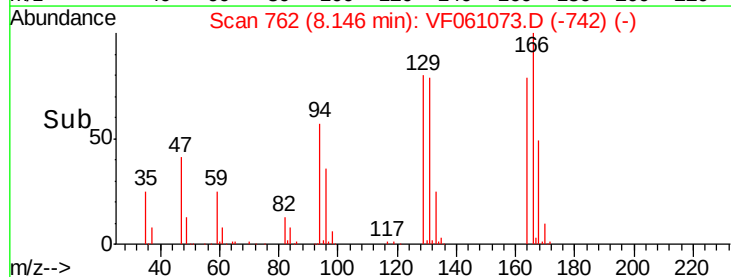
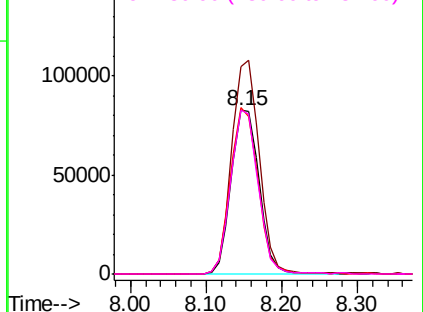


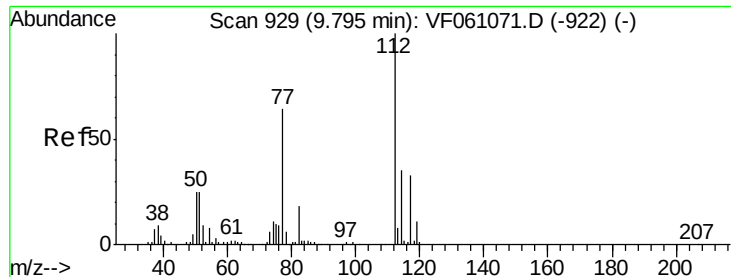
#64
Tetrachloroethene
Concen: 83.917 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion:164 Resp: 211253
Ion Ratio Lower Upper
164 100
166 127.1 104.0 156.0
129 101.5 81.1 121.7
131 100.4 81.2 121.8



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

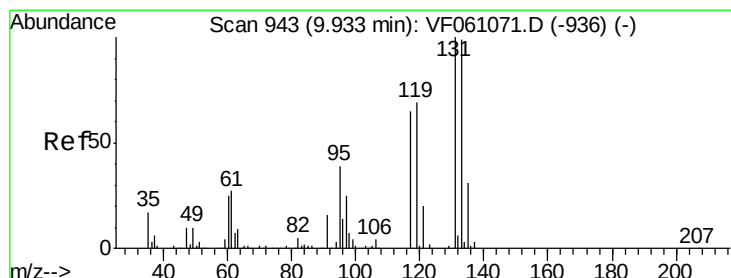
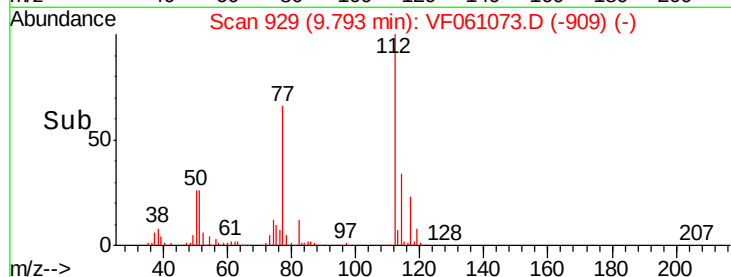
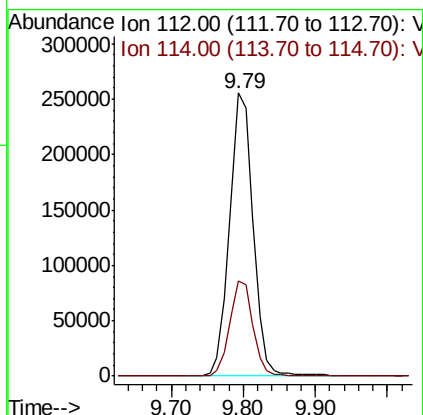
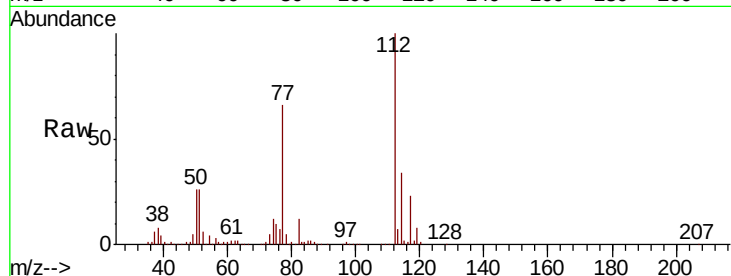




#65
Chlorobenzene
Concen: 92.214 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

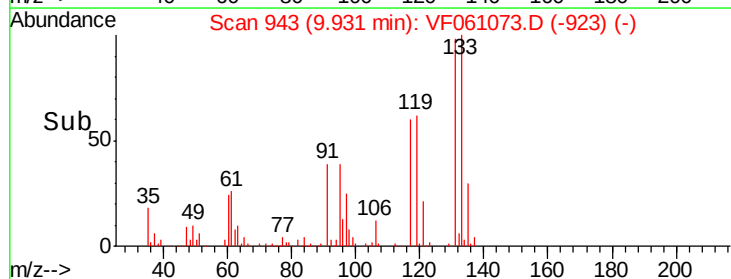
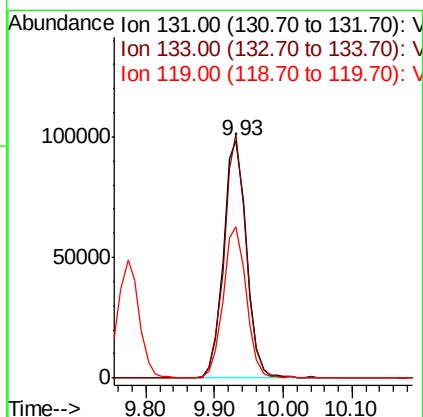
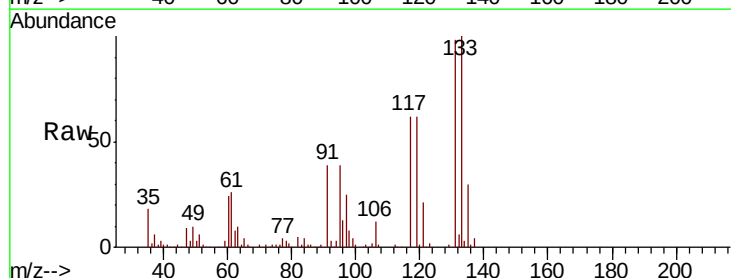
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

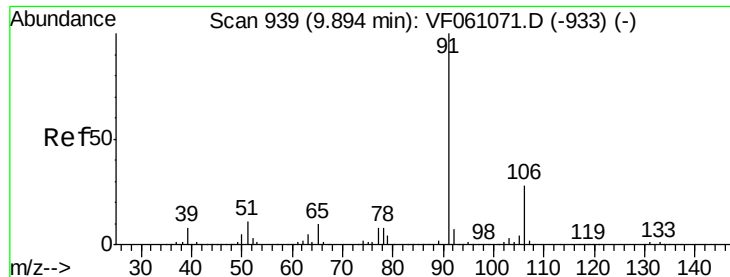
Tgt Ion:112 Resp: 585059
Ion Ratio Lower Upper
112 100
114 33.7 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 84.571 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion:131 Resp: 229843
Ion Ratio Lower Upper
131 100
133 102.4 49.5 148.7
119 63.8 34.5 103.5

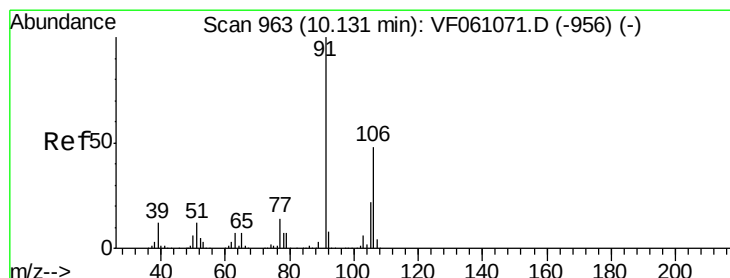
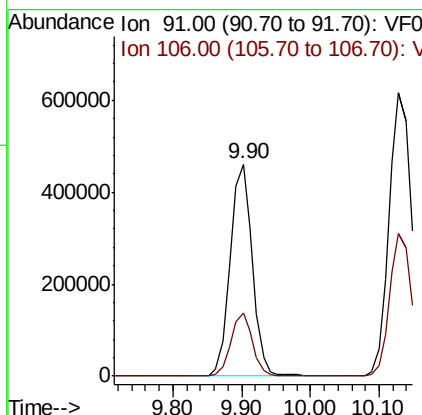
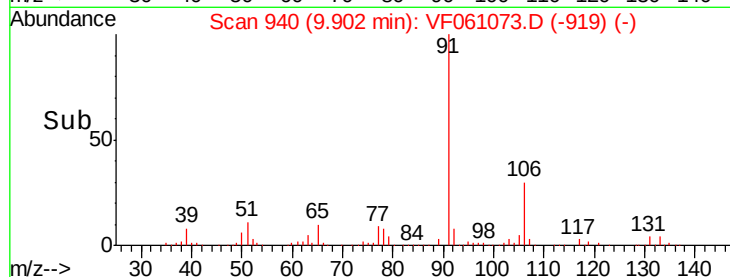
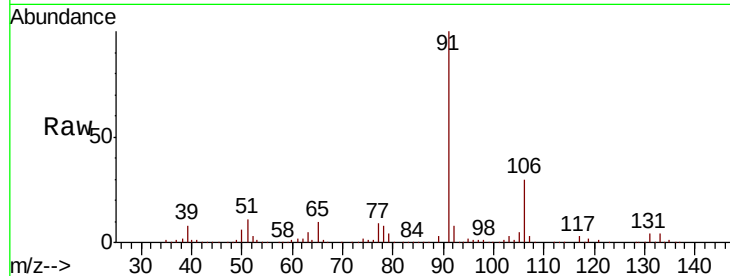




#67
Ethyl Benzene
Concen: 86.520 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

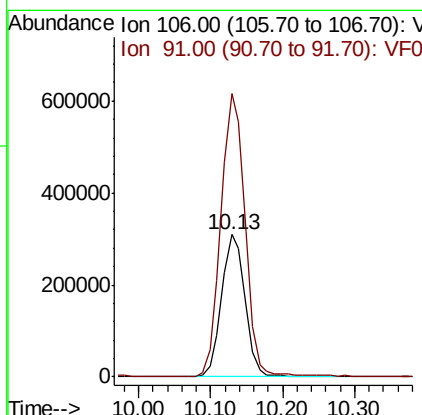
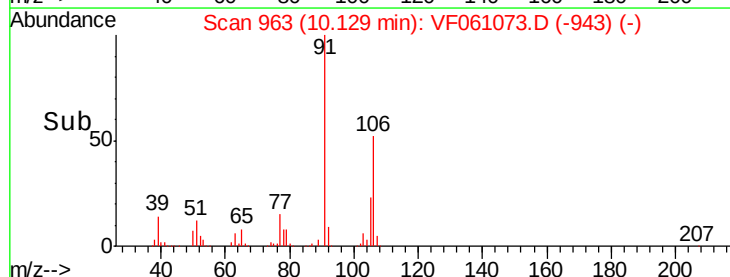
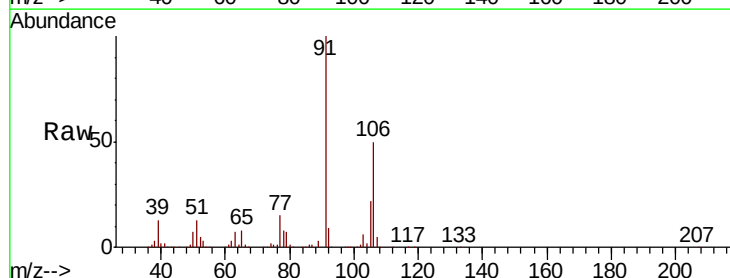
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

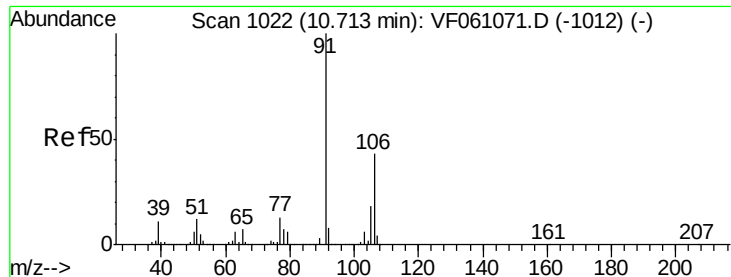
Tgt Ion: 91 Resp: 1024698
Ion Ratio Lower Upper
91 100
106 29.8 22.5 33.7



#68
m/p-Xylenes
Concen: 162.409 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 106 Resp: 694206
Ion Ratio Lower Upper
106 100
91 198.7 168.2 252.2

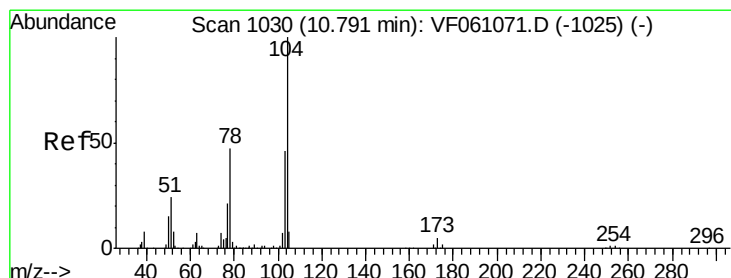
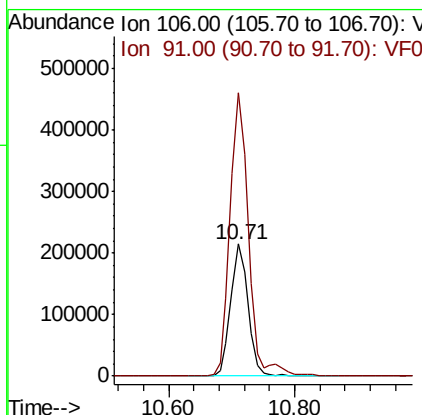
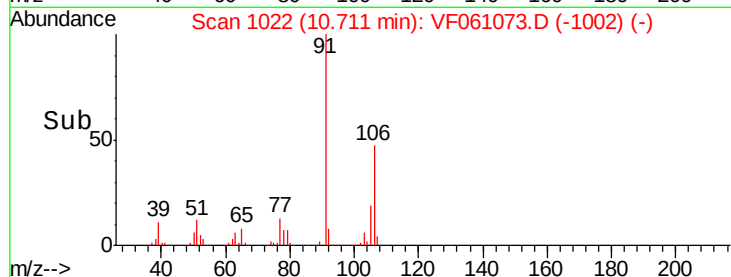
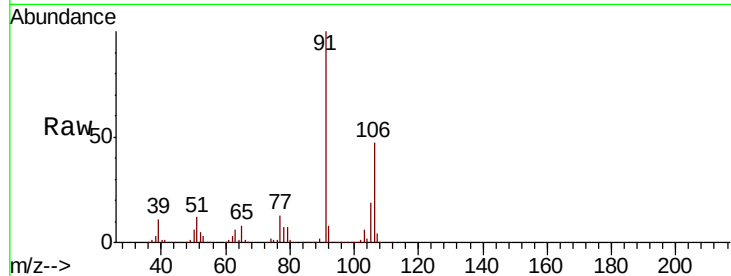




#69
o-Xylene
Concen: 86.619 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

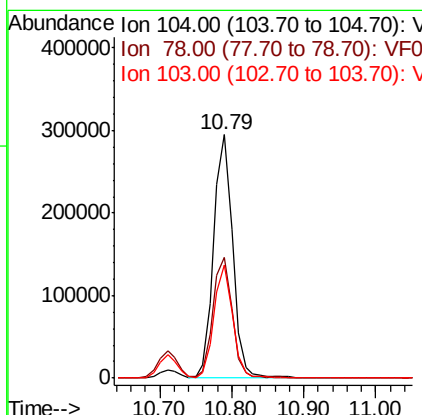
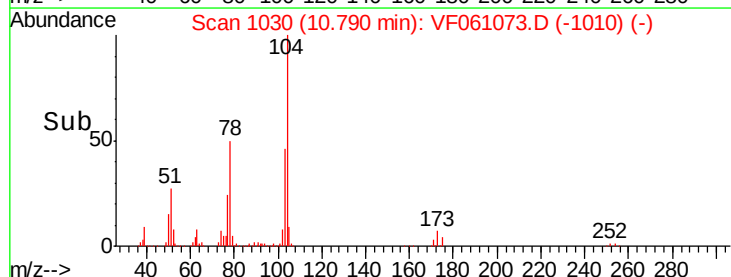
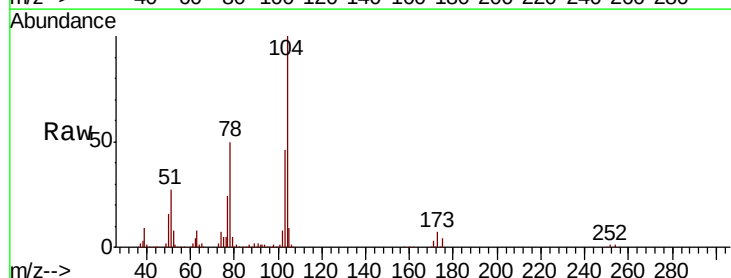
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

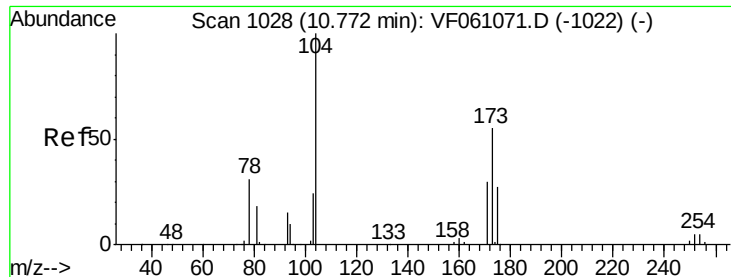
Tgt Ion:106 Resp: 407515
Ion Ratio Lower Upper
106 100
91 214.0 115.9 347.7



#70
Styrene
Concen: 82.449 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion:104 Resp: 533904
Ion Ratio Lower Upper
104 100
78 49.6 38.4 57.6
103 46.3 37.0 55.6





#71

Bromoform

Concen: 86.182 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

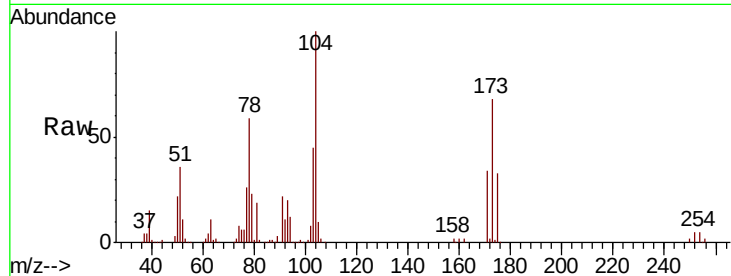
Tgt Ion:173 Resp: 112580

Ion Ratio Lower Upper

173 100

175 48.6 24.8 74.4

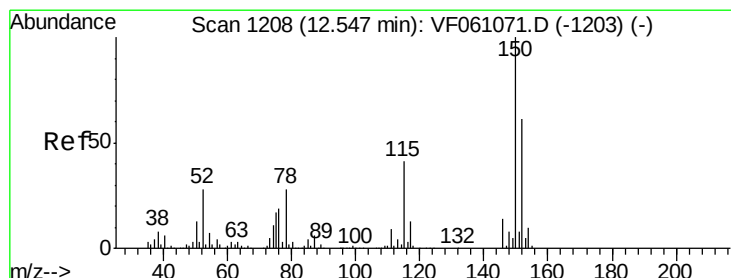
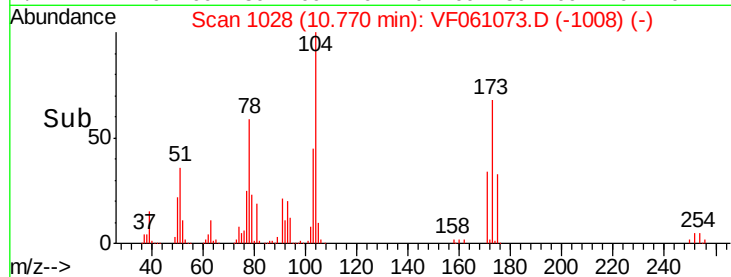
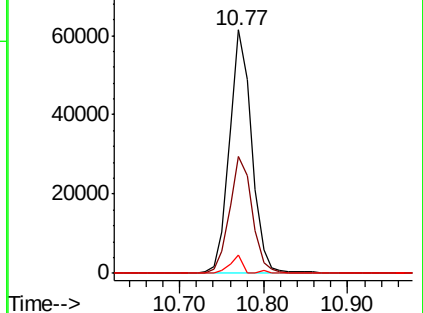
254 7.6 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

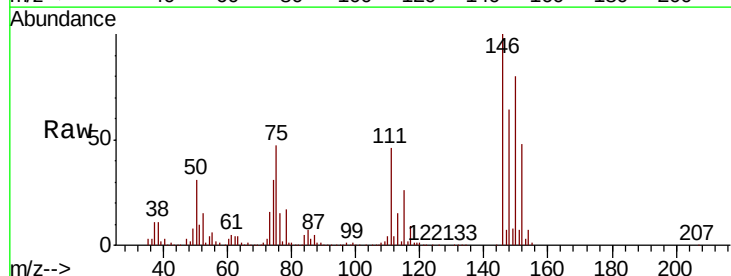
Tgt Ion:152 Resp: 159106

Ion Ratio Lower Upper

152 100

115 55.2 33.3 99.9

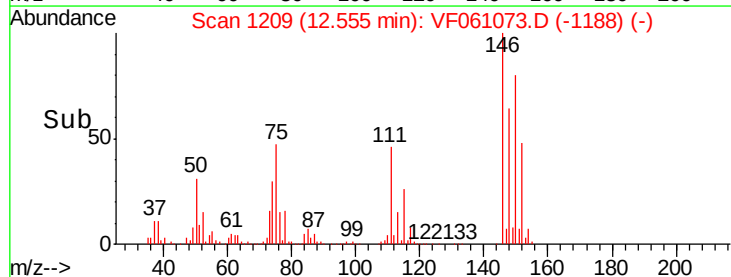
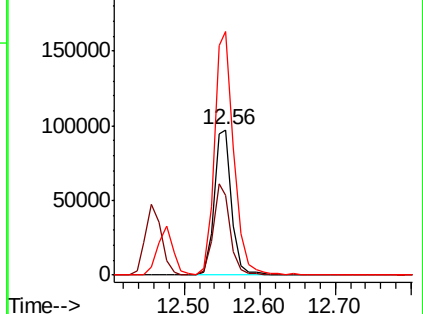
150 167.5 0.0 328.2

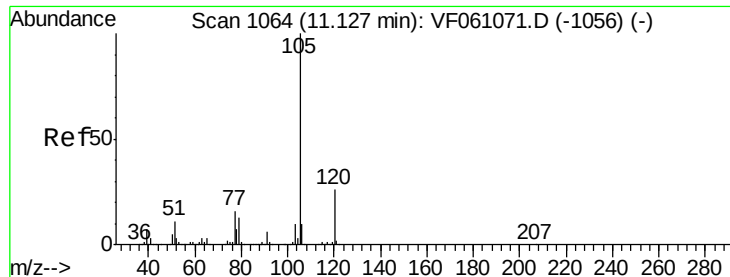


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 88.459 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

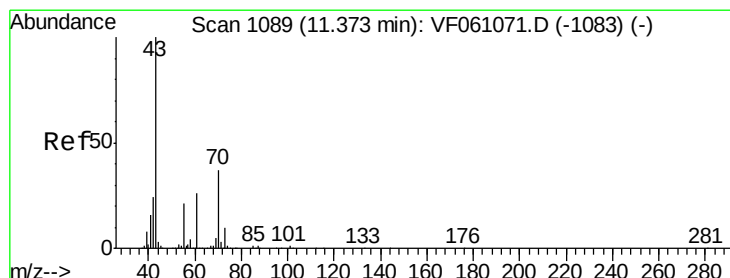
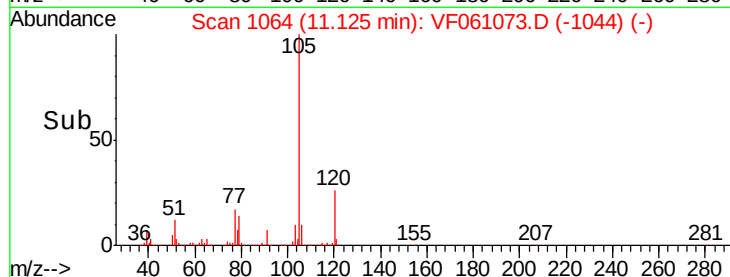
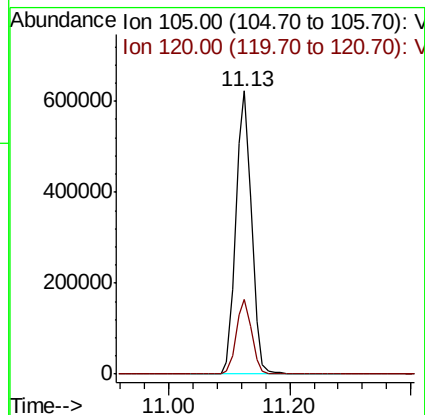
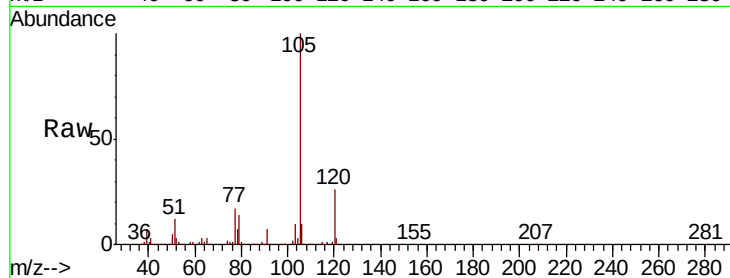
VSTDIC100

Tgt Ion:105 Resp: 1127006

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 89.267 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion: 43 Resp: 259916

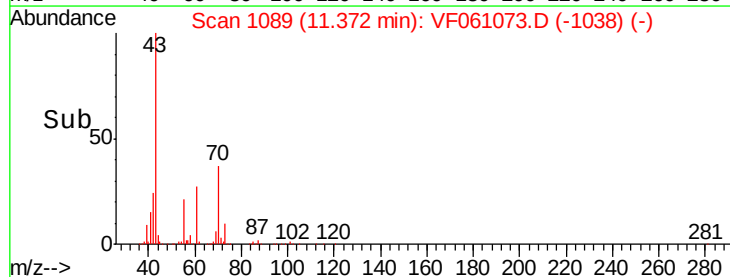
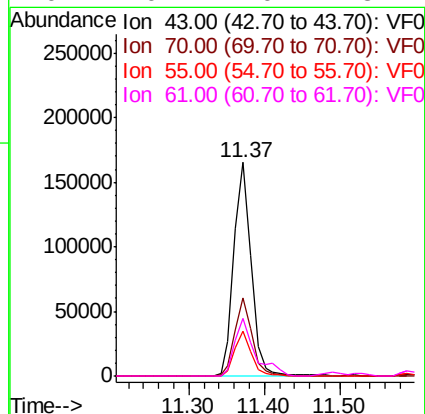
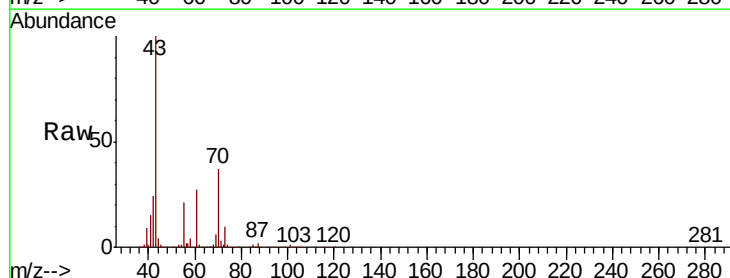
Ion Ratio Lower Upper

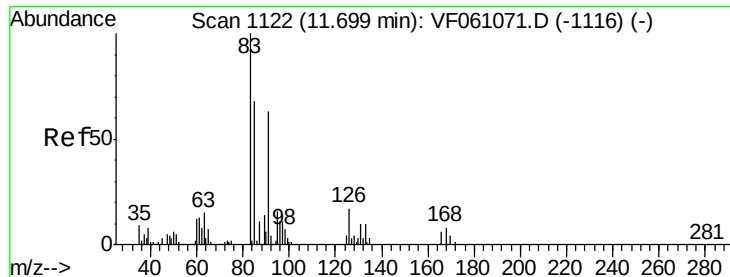
43 100

70 36.6 29.2 43.8

55 21.0 16.5 24.7

61 26.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 88.972 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

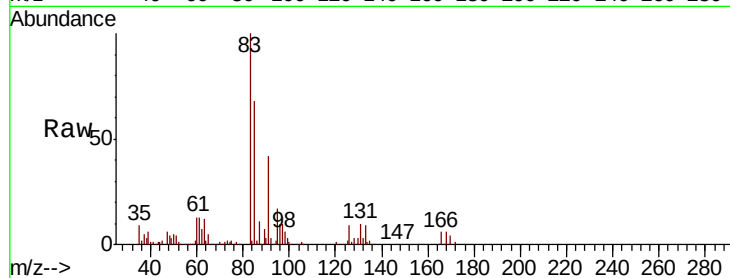
Tgt Ion: 83 Resp: 185897

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

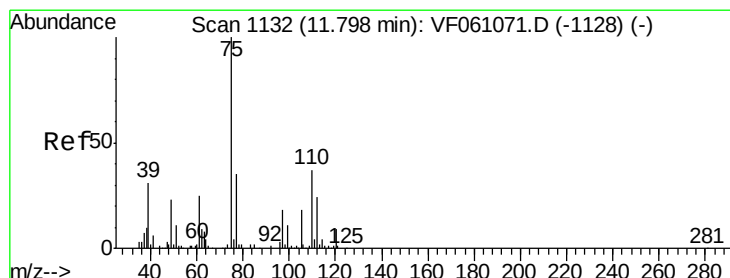
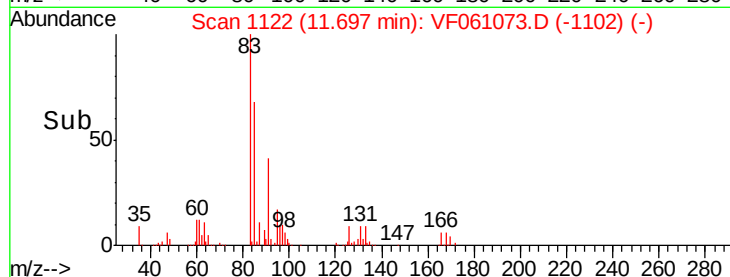
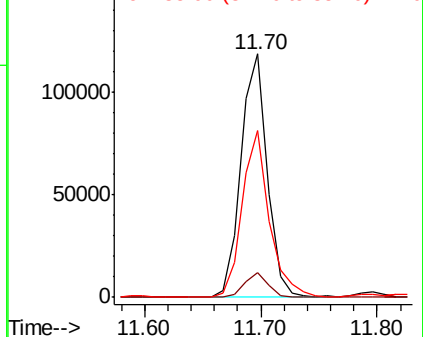
85 68.3 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 90.911 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061073.D

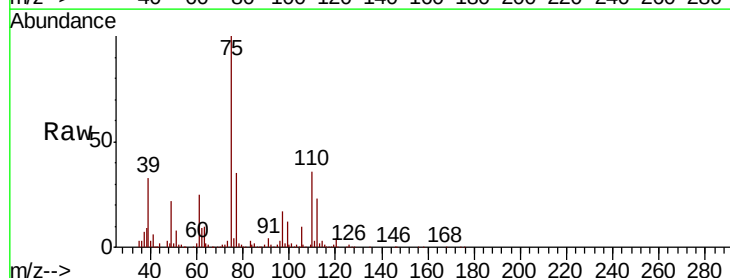
Acq: 18 Dec 2018 20:49

Tgt Ion: 75 Resp: 139105

Ion Ratio Lower Upper

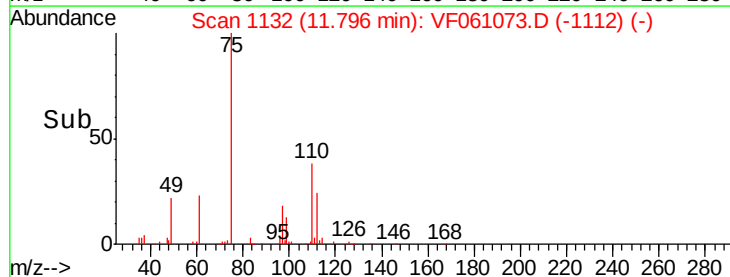
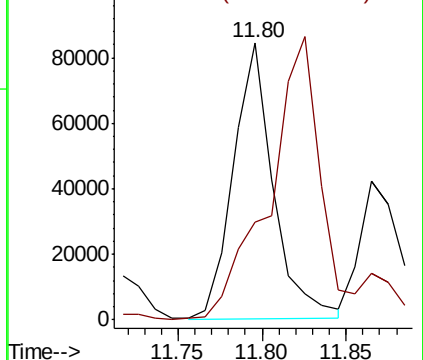
75 100

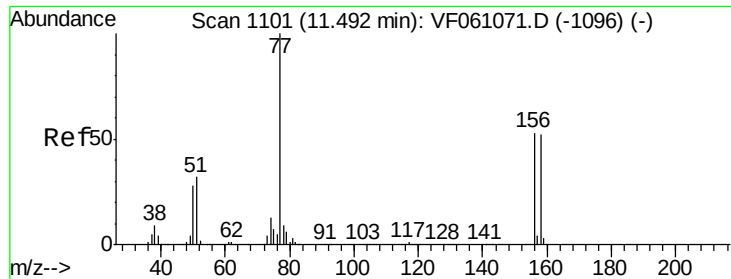
77 35.4 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

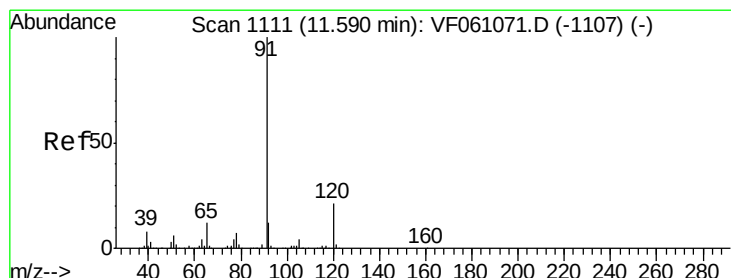
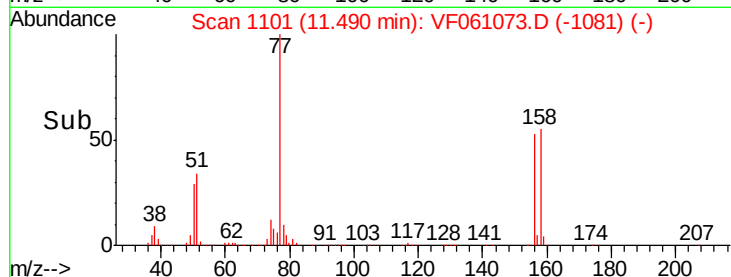
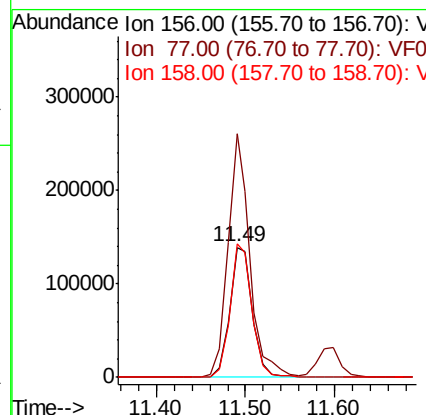
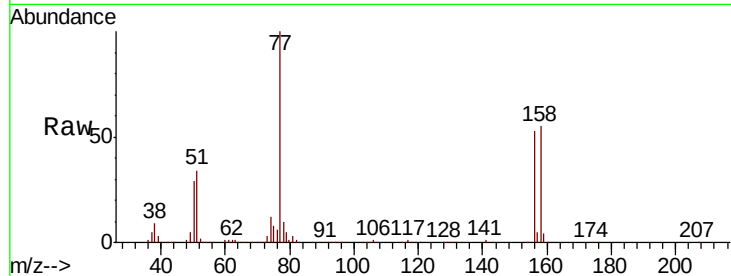




#77
Bromobenzene
Concen: 90.733 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

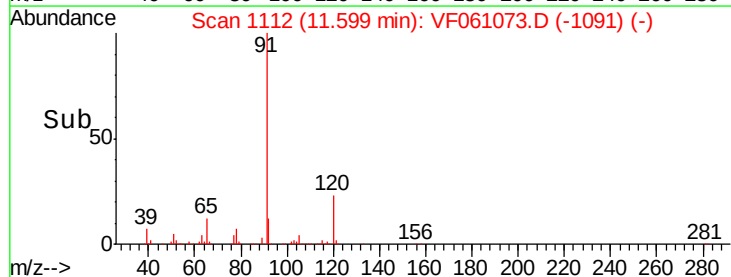
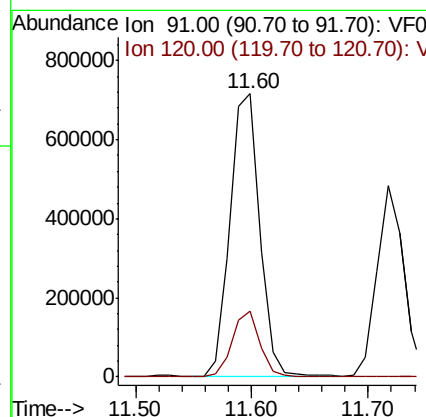
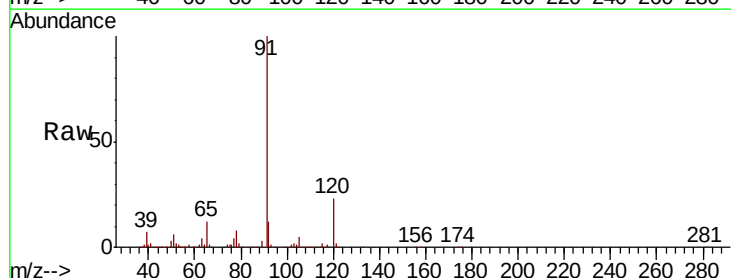
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

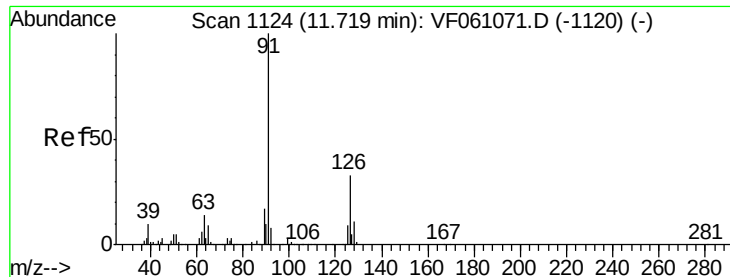
Tgt Ion:156 Resp: 250052
Ion Ratio Lower Upper
156 100
77 187.4 93.8 281.4
158 102.5 48.9 146.8



#78
n-propylbenzene
Concen: 84.895 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 91 Resp: 1267336
Ion Ratio Lower Upper
91 100
120 23.5 10.4 31.2





#79

2-Chlorotoluene

Concen: 89.766 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

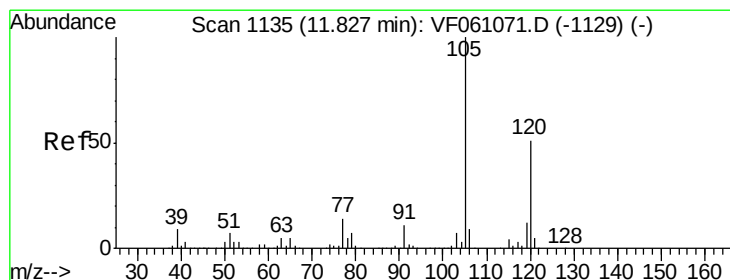
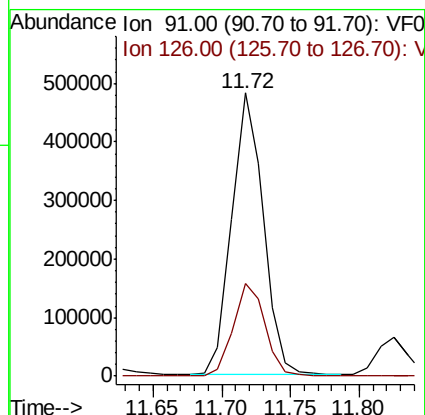
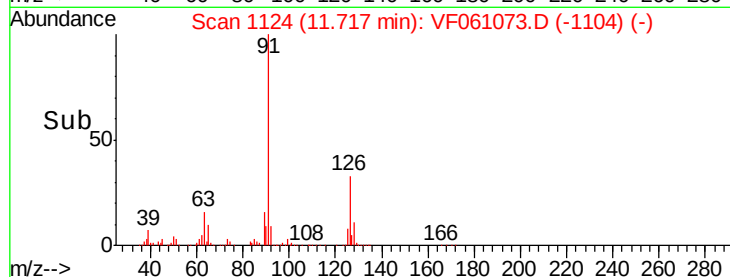
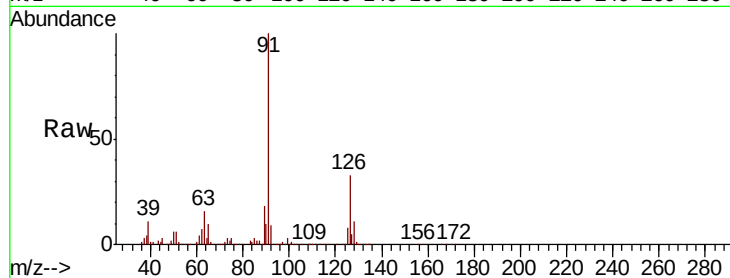
VSTDIC100

Tgt Ion: 91 Resp: 769320

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 88.616 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061073.D

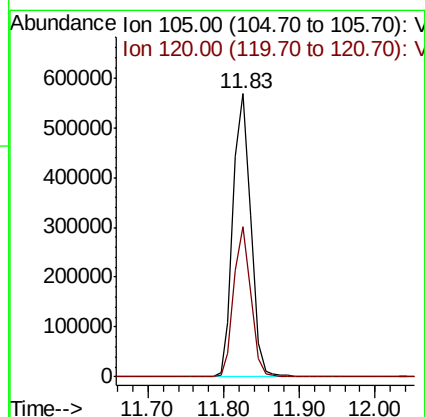
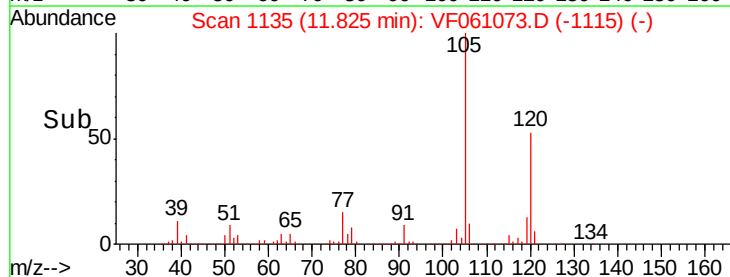
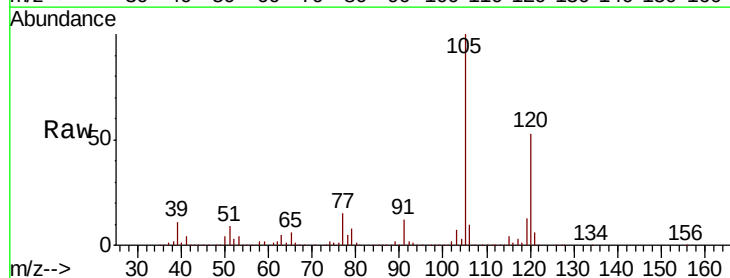
Acq: 18 Dec 2018 20:49

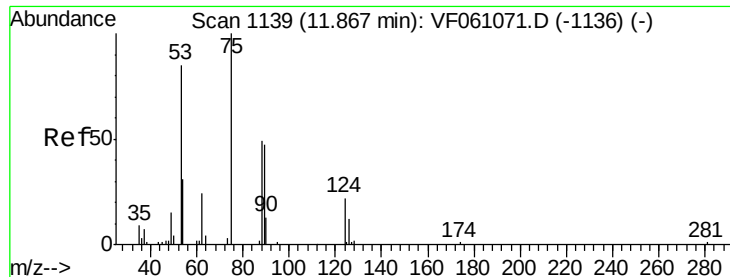
Tgt Ion: 105 Resp: 915852

Ion Ratio Lower Upper

105 100

120 53.0 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 122.414 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

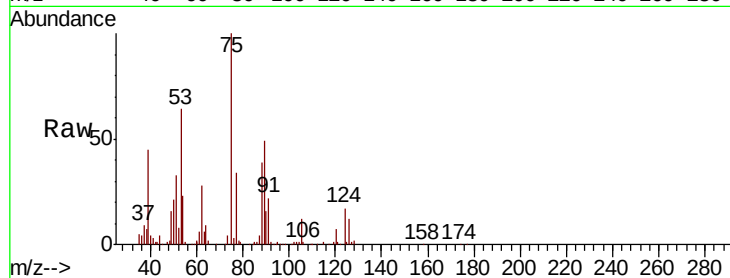
Tgt Ion: 75 Resp: 90116

Ion Ratio Lower Upper

75 100

53 64.0 74.1 111.1#

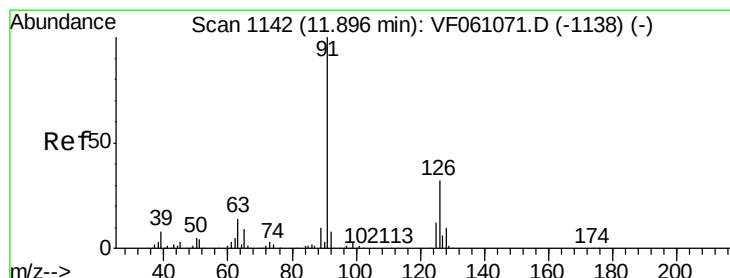
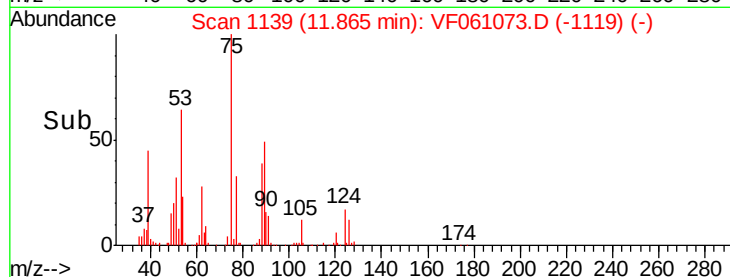
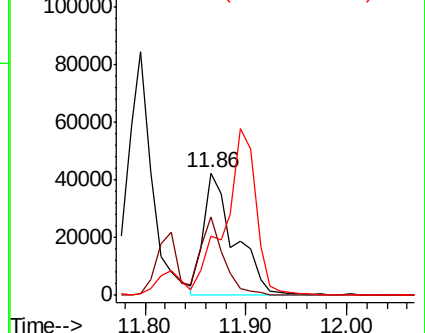
89 48.6 42.6 64.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 90.918 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061073.D

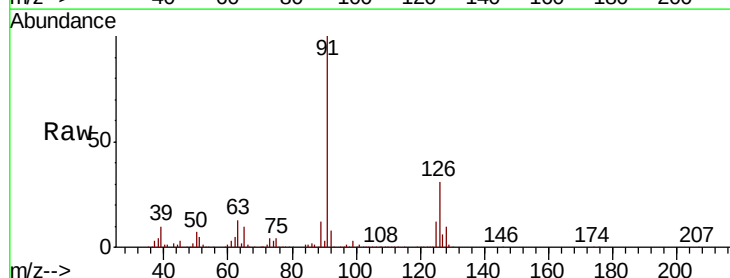
Acq: 18 Dec 2018 20:49

Tgt Ion: 91 Resp: 816971

Ion Ratio Lower Upper

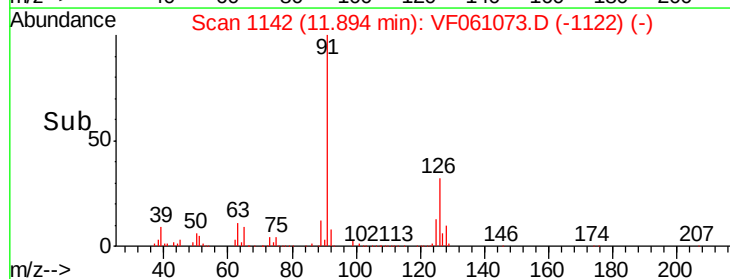
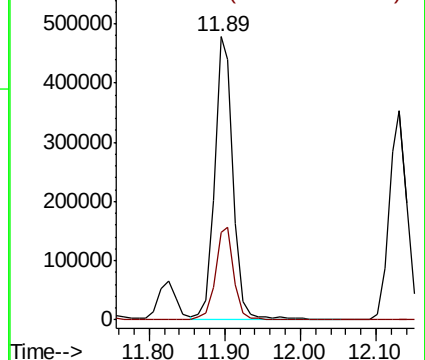
91 100

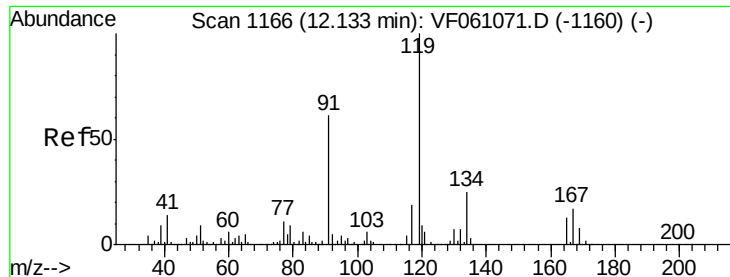
126 30.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

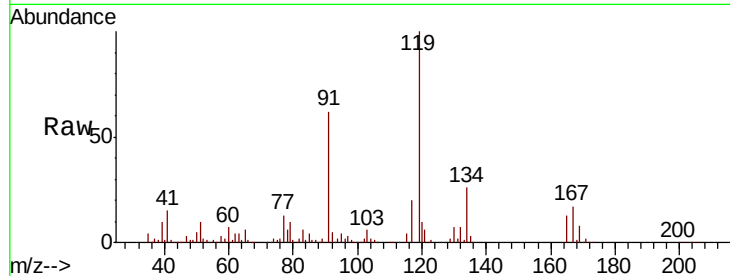




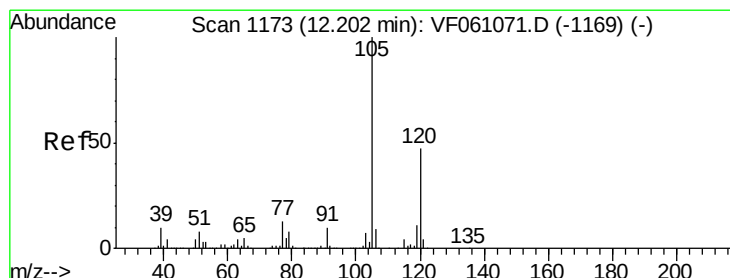
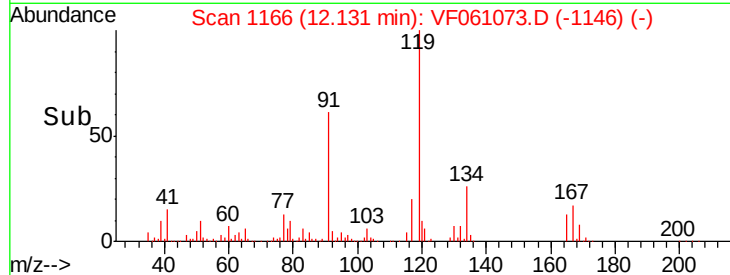
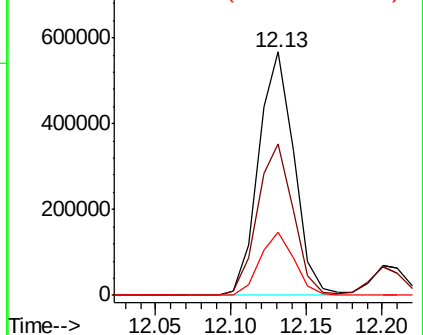
#83
 tert-Butylbenzene
 Concen: 87.973 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 930040
 Ion Ratio Lower Upper
 119 100
 91 62.4 30.5 91.5
 134 25.9 12.4 37.4

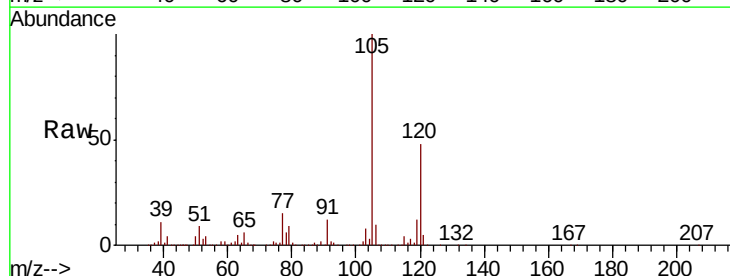


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

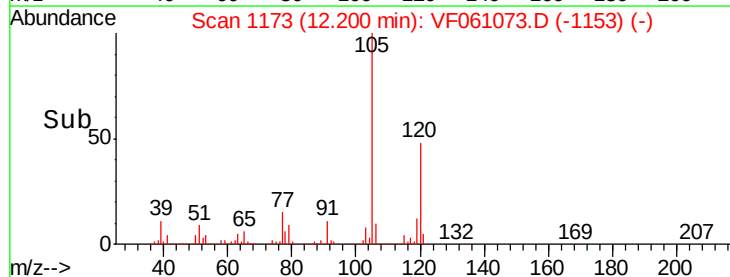
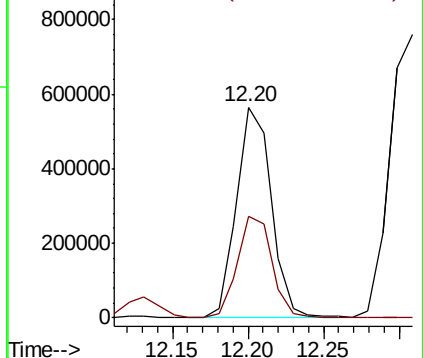


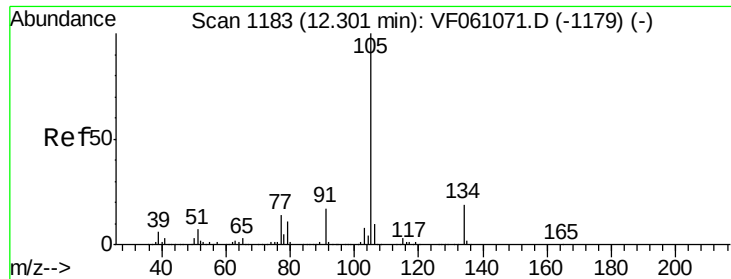
#84
 1,2,4-Trimethylbenzene
 Concen: 88.439 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion:105 Resp: 903541
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.6 71.0



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





#85

sec-Butylbenzene

Concen: 86.498 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

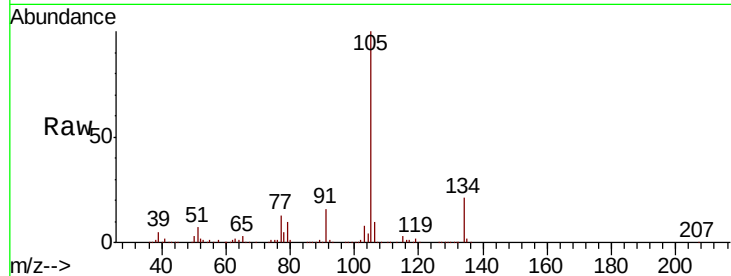
VSTDIC100

Tgt Ion:105 Resp: 1239543

Ion Ratio Lower Upper

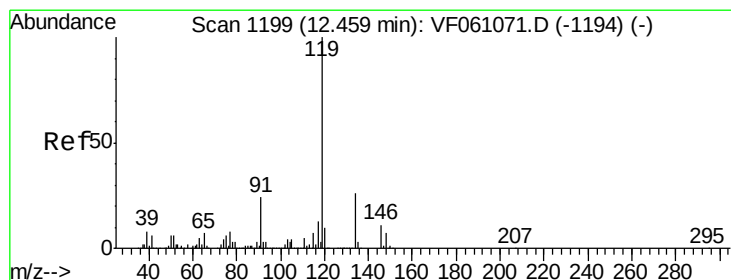
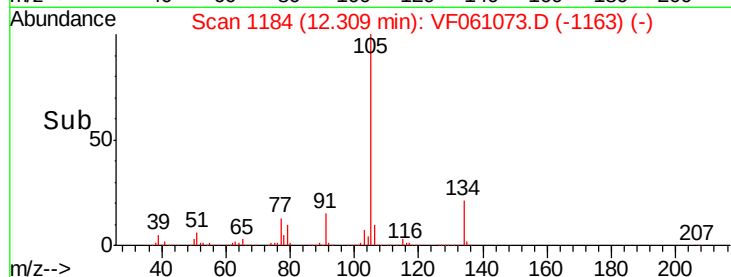
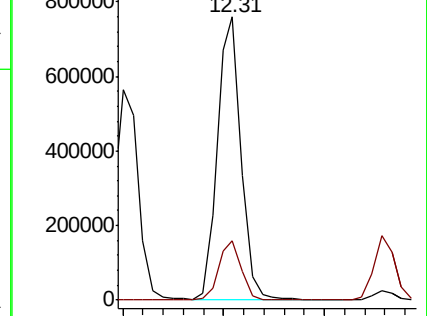
105 100

134 20.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 81.338 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

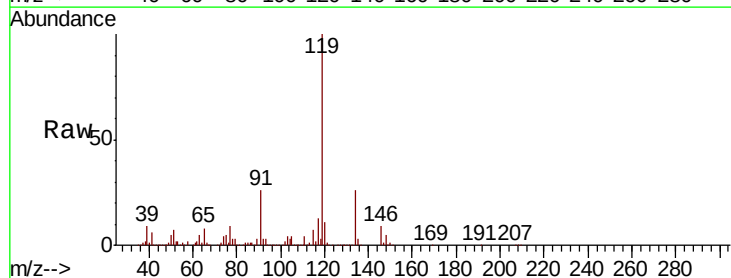
Tgt Ion:119 Resp: 980389

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

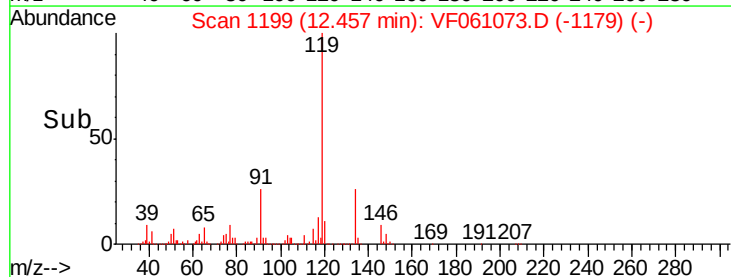
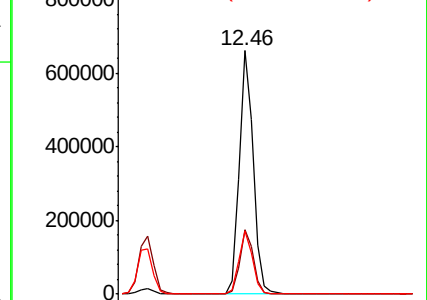
91 25.9 12.2 36.6

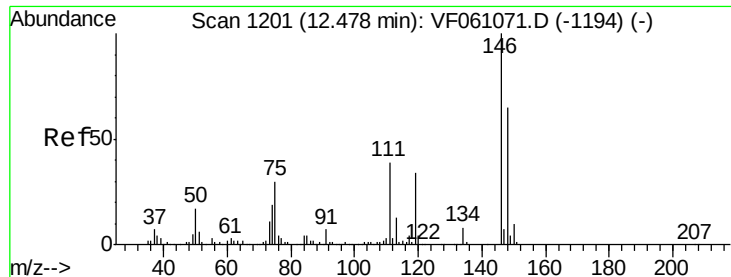


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

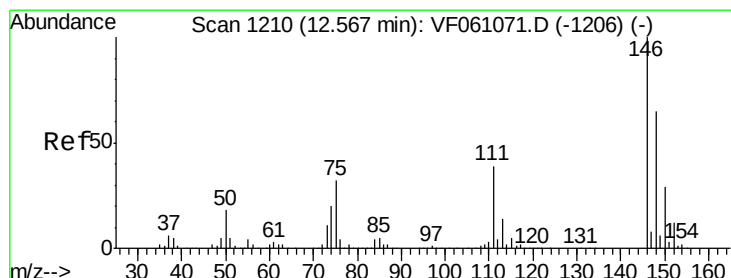
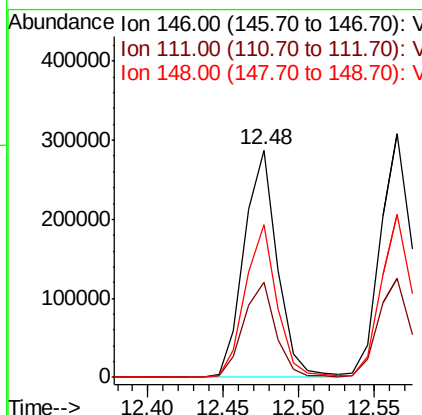
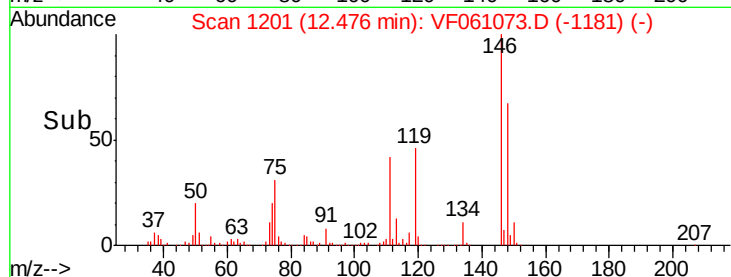
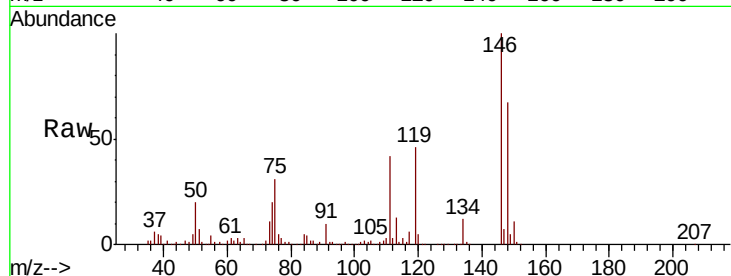




#87
 1,3-Dichlorobenzene
 Concen: 83.899 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

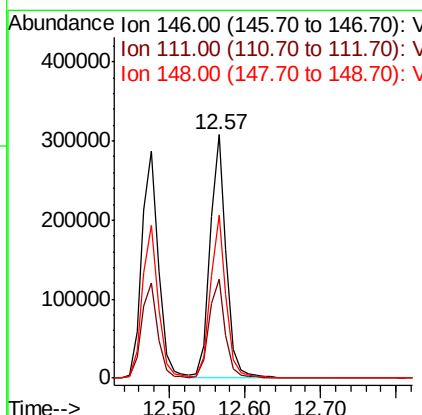
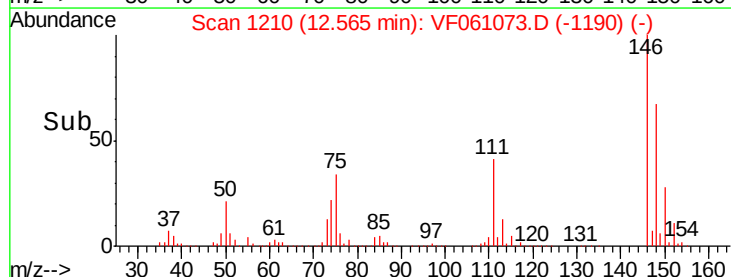
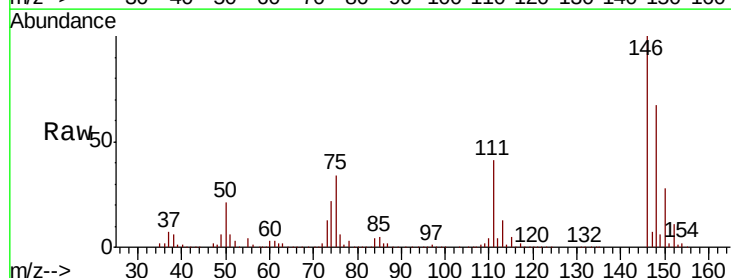
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

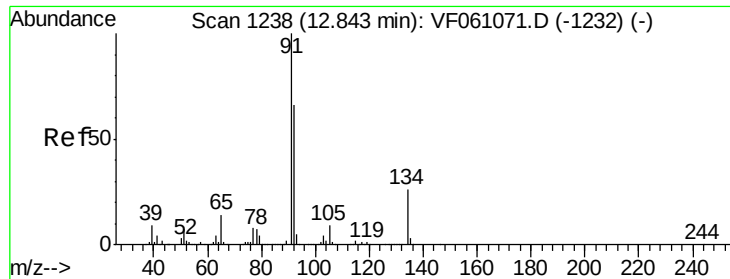
Tgt Ion:146 Resp: 439745
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.3 57.9
 148 67.3 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 90.564 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion:146 Resp: 462862
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.4 58.4
 148 66.8 32.4 97.0

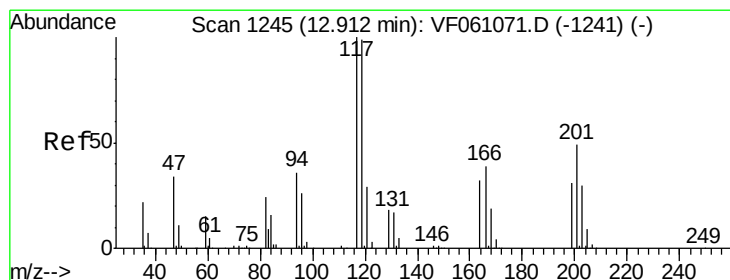
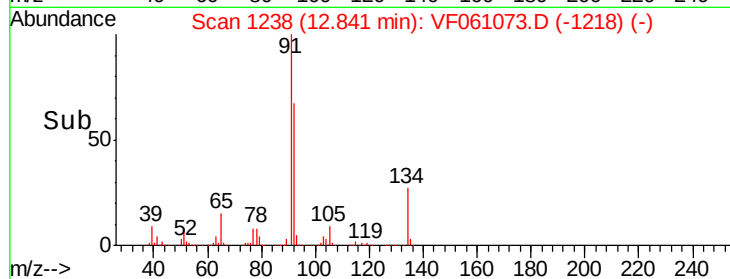
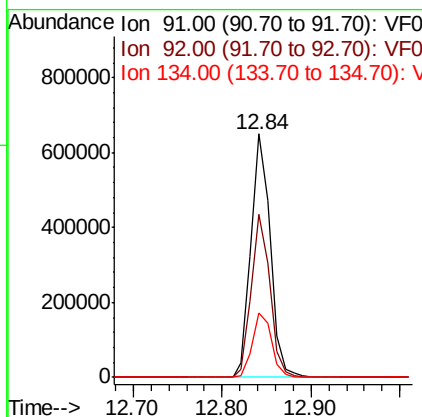
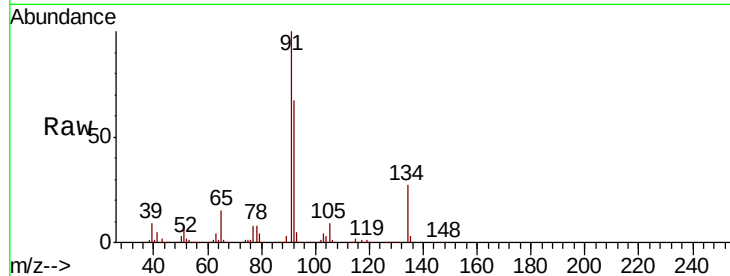




#89
n-Butylbenzene
Concen: 79.635 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

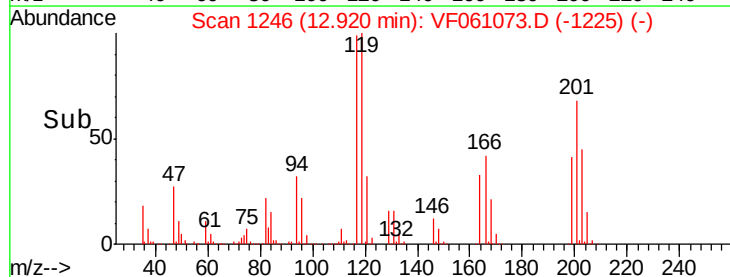
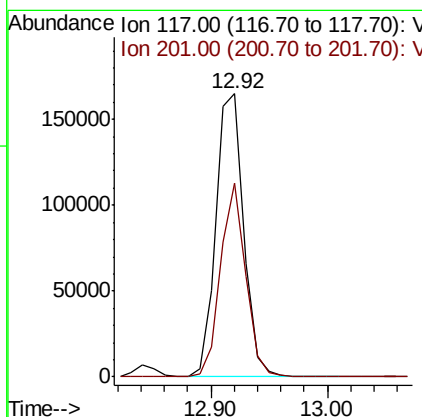
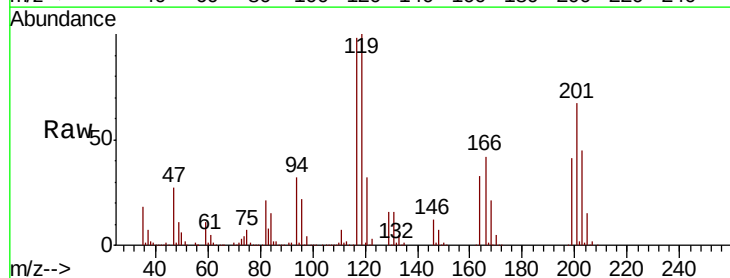
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

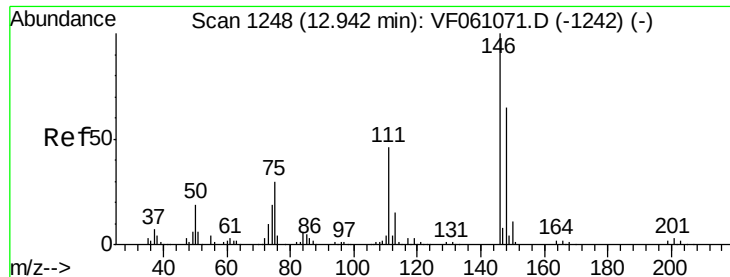
Tgt Ion: 91 Resp: 966040
Ion Ratio Lower Upper
91 100
92 66.8 32.8 98.4
134 26.5 13.2 39.5



#90
Hexachloroethane
Concen: 93.901 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 117 Resp: 271483
Ion Ratio Lower Upper
117 100
201 70.1 24.9 74.8

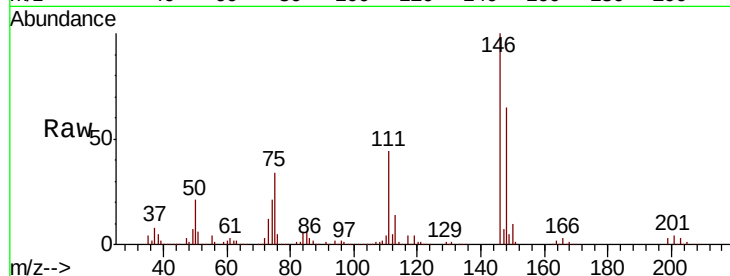




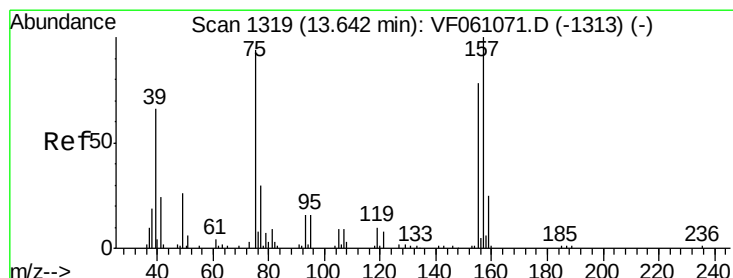
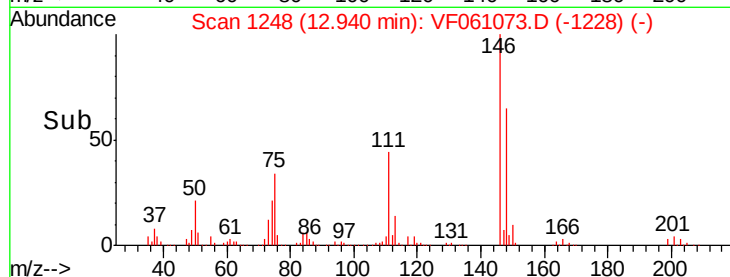
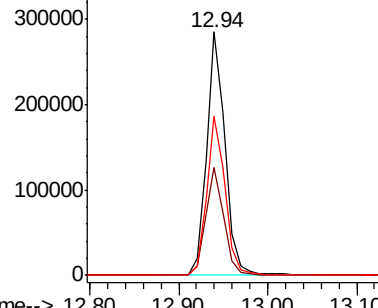
#91
 1,2-Dichlorobenzene
 Concen: 83.339 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 415499
 Ion Ratio Lower Upper
 146 100
 111 44.2 23.2 69.5
 148 65.4 32.4 97.0

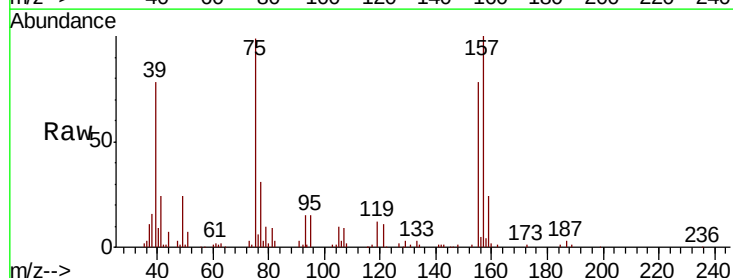


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

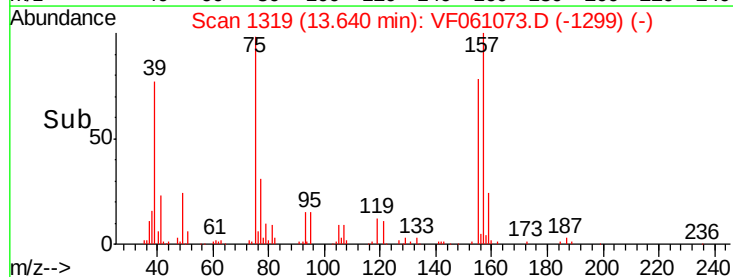
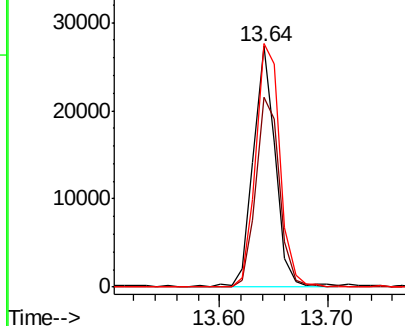


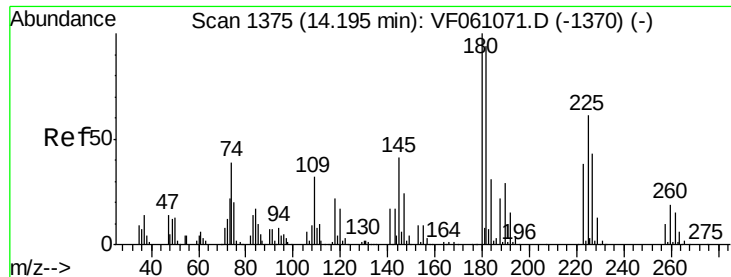
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.989 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion: 75 Resp: 38779
 Ion Ratio Lower Upper
 75 100
 155 78.6 41.5 124.5
 157 101.2 53.2 159.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

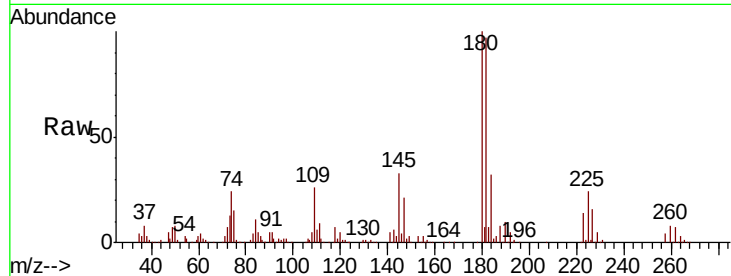




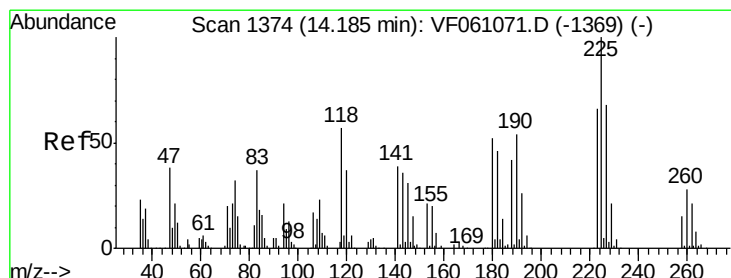
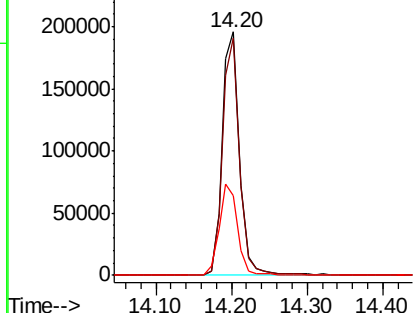
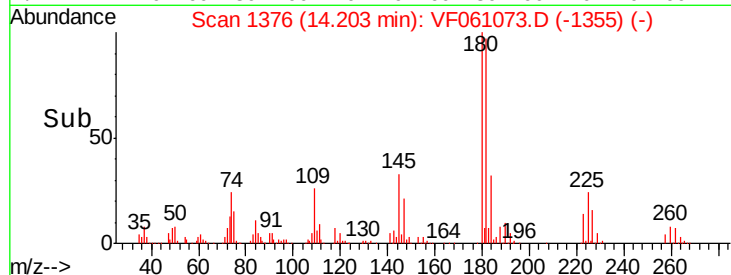
#93
 1,2,4-Trichlorobenzene
 Concen: 90.159 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 314339
 Ion Ratio Lower Upper
 180 100
 182 97.4 46.9 140.6
 145 32.5 20.5 61.6

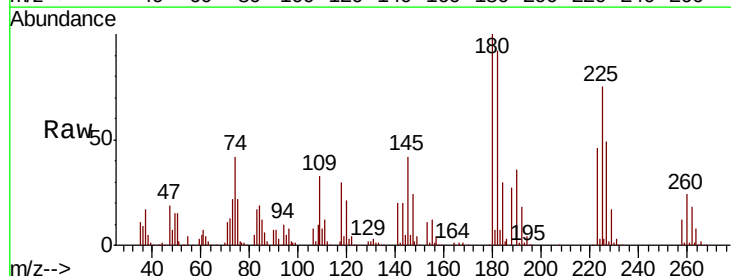


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

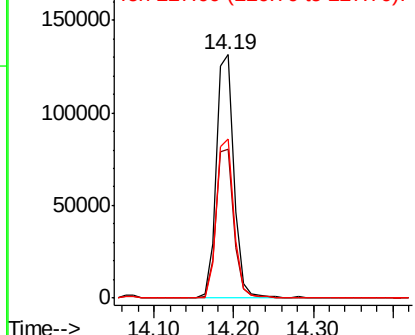
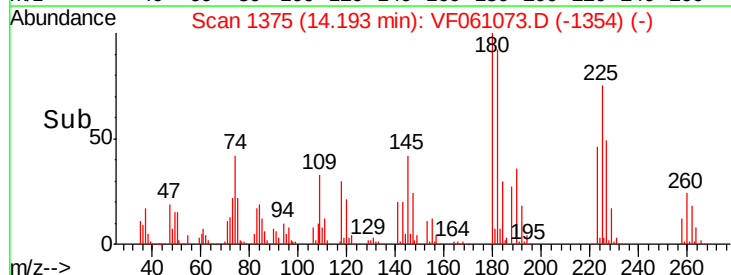


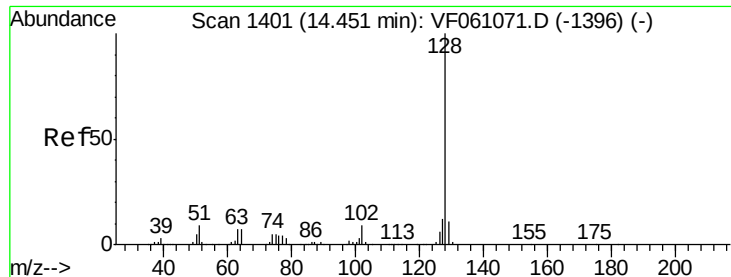
#94
 Hexachlorobutadiene
 Concen: 89.752 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion:225 Resp: 208330
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.8 98.3
 227 65.4 34.0 101.8



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

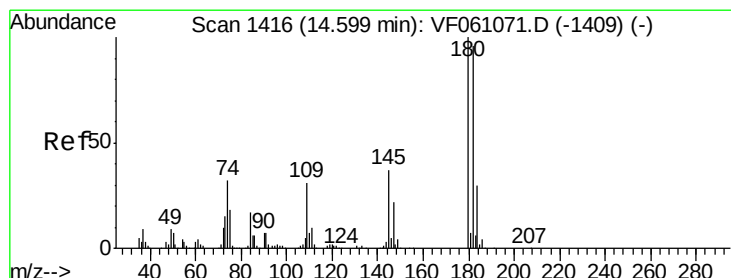
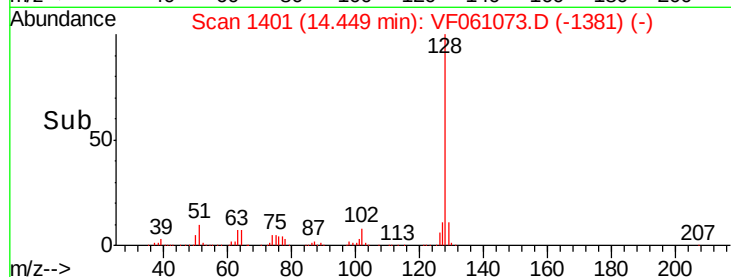
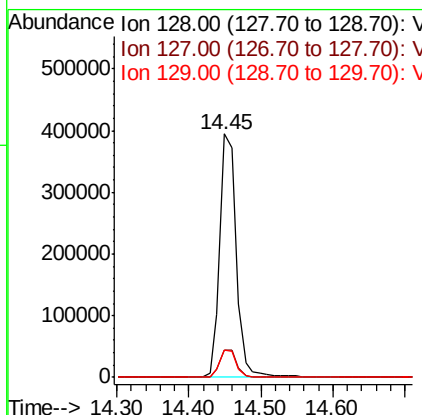
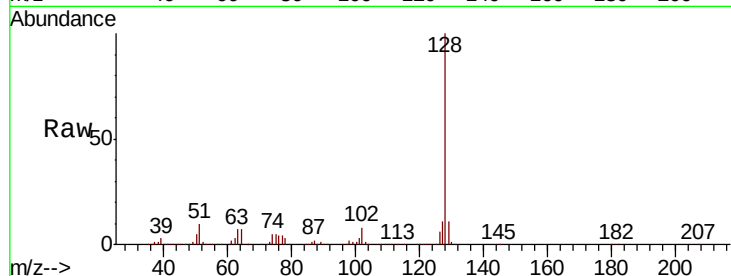




#95
Naphthalene
Concen: 81.532 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 623991
Ion Ratio Lower Upper
128 100
127 11.2 9.4 14.2
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 91.261 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion:180 Resp: 299388
Ion Ratio Lower Upper
180 100
182 99.3 47.9 143.8
145 37.4 18.6 55.8

