

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF041919\
 Data File : VF062218.D
 Acq On : 19 Apr 2019 10:25
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 19 11:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	469506	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	694307	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	562991	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	276233	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	212082	49.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	4.32	113	278027	45.78	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.56%	
50) Toluene-d8	7.72	98	764256	49.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.50	95	282326	47.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	300940	42.178	ug/l	100
3) Chloromethane	1.15	50	317691	43.078	ug/l	99
4) Vinyl Chloride	1.19	62	279895	44.176	ug/l	99
5) Bromomethane	1.41	94	168352	45.739	ug/l	89
6) Chloroethane	1.45	64	120083	45.336	ug/l	95
7) Trichlorofluoromethane	1.56	101	362619	45.050	ug/l	94
8) Diethyl Ether	1.71	74	72666	43.376	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	246182	44.770	ug/l	99
10) Methyl Iodide	1.99	142	443441	45.394	ug/l #	89
11) Tert butyl alcohol	2.70	59	70546	235.739	ug/l	97
12) 1,1-Dichloroethene	1.88	96	230437	44.060	ug/l	97
13) Acrolein	2.10	56	35904	274.582	ug/l	88
14) Allyl chloride	2.20	41	223794	37.285	ug/l	97
15) Acrylonitrile	3.09	53	219231	240.528	ug/l	99
16) Acetone	2.35	43	313916	305.058	ug/l	96
17) Carbon Disulfide	1.92	76	630507m	43.384	ug/l	
18) Methyl Acetate	2.46	43	100233	44.584	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	415673	45.014	ug/l	97
20) Methylene Chloride	2.34	84	225209m	43.782	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	223357m	43.185	ug/l	
22) Diisopropyl ether	2.94	45	660918	43.046	ug/l	98
23) Vinyl Acetate	3.35	43	1725358	235.859	ug/l	100
24) 1,1-Dichloroethane	3.01	63	381775	45.455	ug/l	99
25) 2-Butanone	4.53	43	533853	259.454	ug/l	97
26) 2,2-Dichloropropane	3.77	77	185890	43.838	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	308412	46.047	ug/l	96
28) Bromochloromethane	3.90	49	171979	42.745	ug/l #	95
29) Tetrahydrofuran	4.27	42	203801	218.825	ug/l	97
30) Chloroform	4.05	83	475116	46.029	ug/l	100
31) Cyclohexane	3.88	56	433319m	43.051	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	340623m	45.082	ug/l	
36) 1,1-Dichloropropene	4.47	75	372572	44.757	ug/l	99
37) Ethyl Acetate	4.32	43	163959	41.740	ug/l #	100
38) Carbon Tetrachloride	4.19	117	296954	40.302	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF041919\
 Data File : VF062218.D
 Acq On : 19 Apr 2019 10:25
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 19 11:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	509468	51.116	ug/l	96
40) Benzene	4.83	78	958192	43.885	ug/l	98
41) Methacrylonitrile	4.94	41	97405	42.989	ug/l	96
42) 1,2-Dichloroethane	5.13	62	281090	48.697	ug/l	98
43) Isopropyl Acetate	7.11	43	174302	42.190	ug/l	98
44) Trichloroethene	5.69	130	299908	50.831	ug/l	100
45) 1,2-Dichloropropane	6.41	63	222192	46.198	ug/l	99
46) Dibromomethane	6.27	93	149955	46.862	ug/l	96
47) Bromodichloromethane	6.55	83	332982	46.113	ug/l	99
48) Methyl methacrylate	6.88	41	118579	43.674	ug/l	99
49) 1,4-Dioxane	6.87	88	28740	922.990	ug/l #	92
51) 4-Methyl-2-Pentanone	8.41	43	709062	230.749	ug/l	99
52) Toluene	7.78	92	581061	50.486	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	265058	48.871	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	349464	47.635	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	169355	52.525	ug/l	96
56) Ethyl methacrylate	8.76	69	179375	48.932	ug/l	98
57) 1,3-Dichloropropane	9.00	76	266549	51.196	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	256659	241.150	ug/l	96
59) 2-Hexanone	9.63	43	507883	265.033	ug/l	94
60) Dibromochloromethane	8.86	129	264172	55.092	ug/l	98
61) 1,2-Dibromoethane	9.14	107	196465	54.085	ug/l	99
64) Tetrachloroethene	8.31	164	247352	48.670	ug/l	99
65) Chlorobenzene	9.93	112	601411	50.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	257825	45.862	ug/l	99
67) Ethyl Benzene	10.03	91	1007736	46.165	ug/l	99
68) m/p-Xylenes	10.26	106	755561	94.025	ug/l	94
69) o-Xylene	10.82	106	408349	45.769	ug/l	100
70) Styrene	10.89	104	553463	43.958	ug/l	98
71) Bromoform	10.88	173	138383	46.623	ug/l #	99
73) Isopropylbenzene	11.22	105	1145905	48.292	ug/l	99
74) N-amyl acetate	11.45	43	248646	43.896	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	195991	48.028	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	132049	47.033	ug/l #	1
77) Bromobenzene	11.58	156	262550	51.651	ug/l	94
78) n-propylbenzene	11.68	91	1162350	46.435	ug/l	98
79) 2-Chlorotoluene	11.80	91	721297	47.503	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	937752	47.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	81221	56.724	ug/l #	86
82) 4-Chlorotoluene	11.97	91	682209	46.490	ug/l	97
83) tert-Butylbenzene	12.20	119	977571	47.832	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	905801	47.363	ug/l	98
85) sec-Butylbenzene	12.37	105	1222271	46.065	ug/l	99
86) p-Isopropyltoluene	12.52	119	1081718	48.060	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	458500	48.608	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	446732	49.100	ug/l	98
89) n-Butylbenzene	12.90	91	956311	51.857	ug/l	99
90) Hexachloroethane	12.98	117	285205	49.346	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	442588	48.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	38151	47.584	ug/l	91

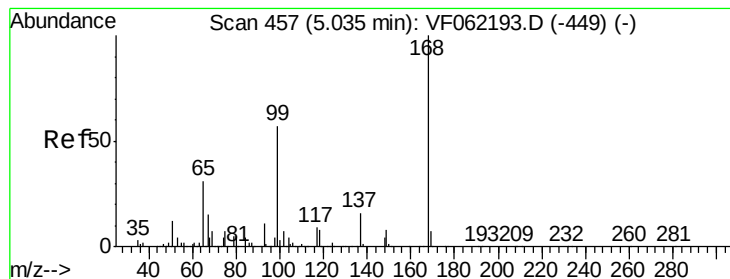
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF041919\
Data File : VF062218.D
Acq On : 19 Apr 2019 10:25
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Apr 19 11:02:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	377173	49.494	ug/l	98
94) Hexachlorobutadiene	14.23	225	262999	50.331	ug/l	100
95) Naphthalene	14.50	128	646975	48.554	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	370173	50.597	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

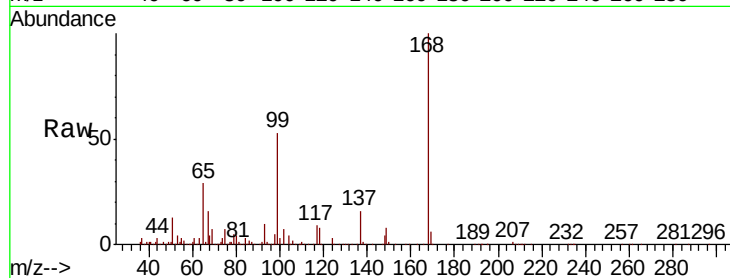
VSTDCCC050

Tgt Ion:168 Resp: 469506

Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

150000

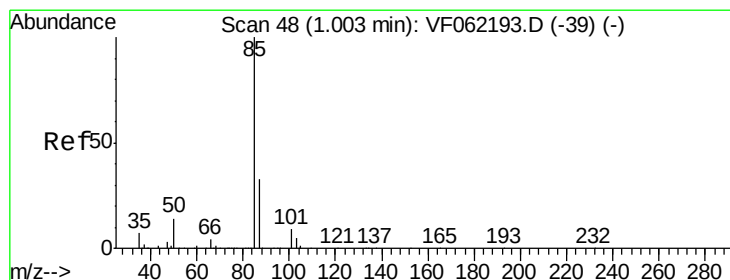
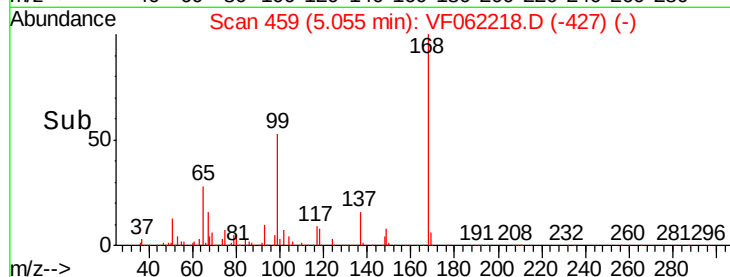
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 42.178 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062218.D

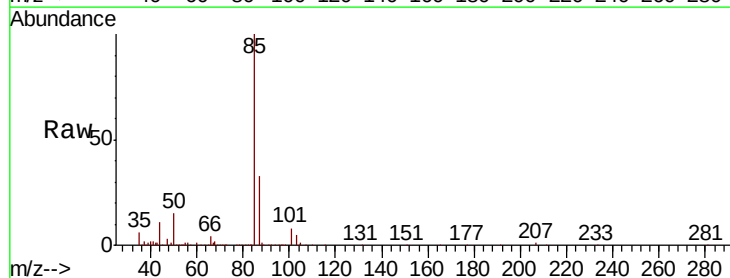
Acq: 19 Apr 2019 10:25

Tgt Ion: 85 Resp: 300940

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

80000

60000

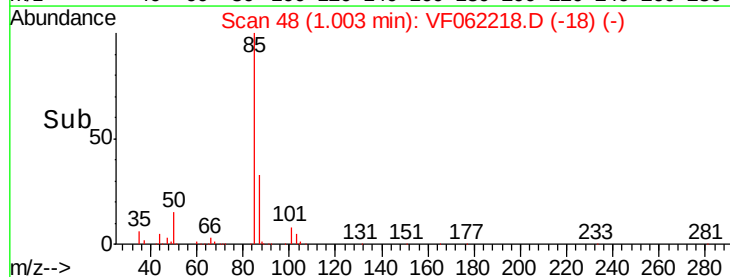
40000

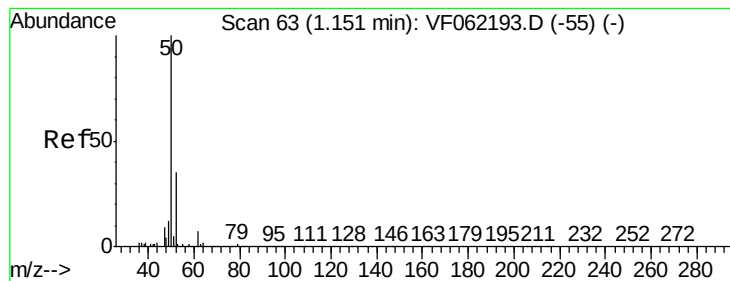
20000

0

Time-->

0.80 1.00 1.20





#3

Chloromethane

Concen: 43.078 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

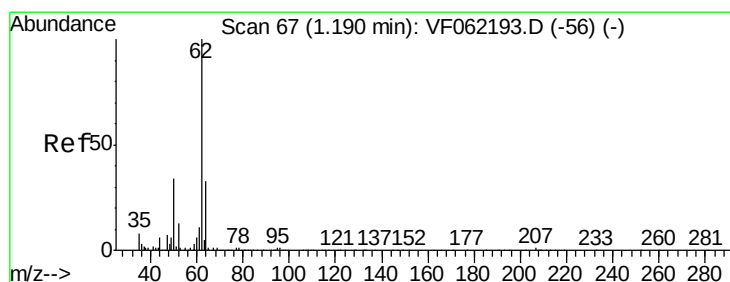
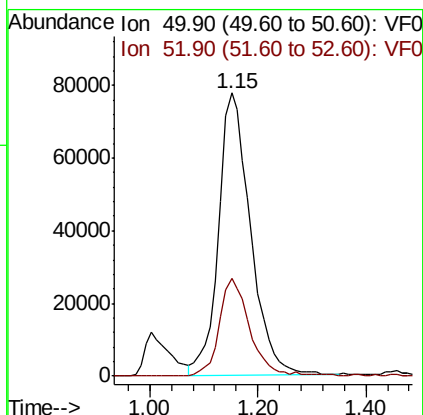
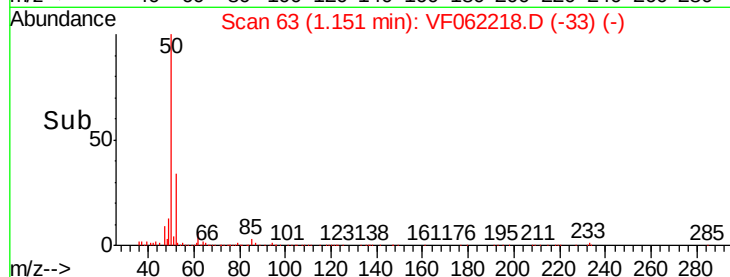
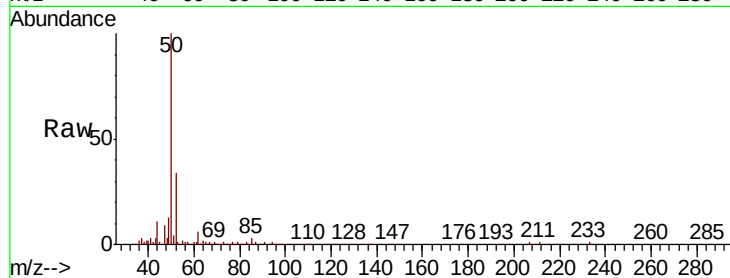
VSTDCCC050

Tgt Ion: 50 Resp: 317691

Ion Ratio Lower Upper

50 100

52 34.3 27.0 40.4



#4

Vinyl Chloride

Concen: 44.176 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062218.D

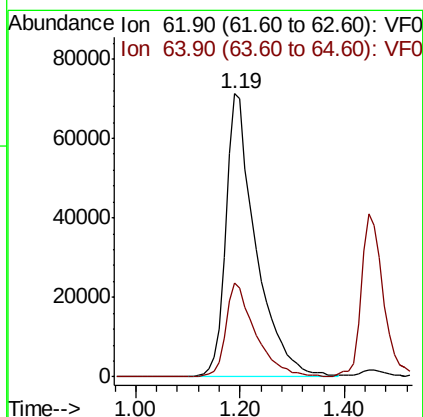
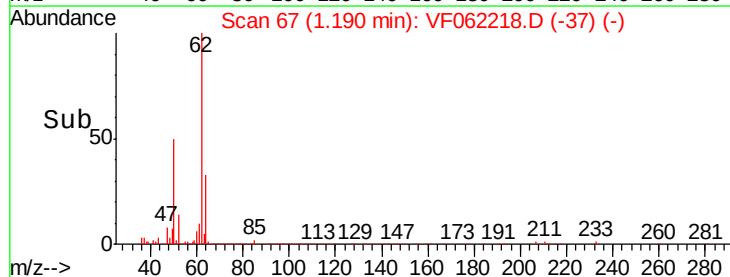
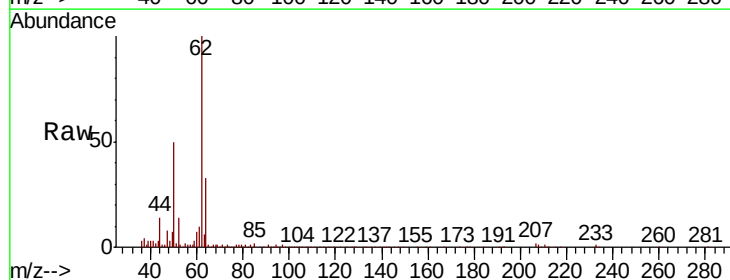
Acq: 19 Apr 2019 10:25

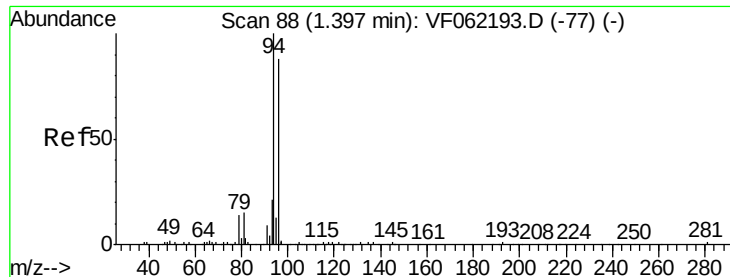
Tgt Ion: 62 Resp: 279895

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.4





#5

Bromomethane

Concen: 45.739 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

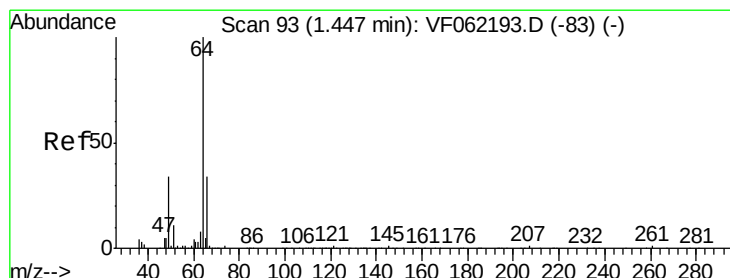
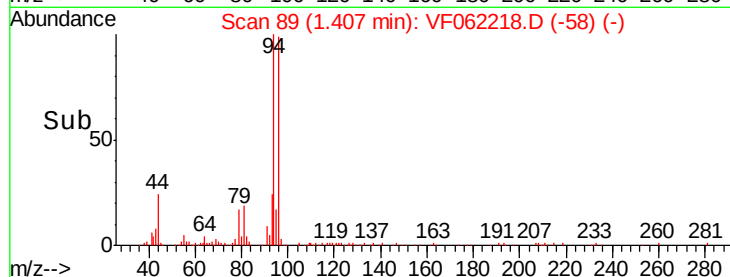
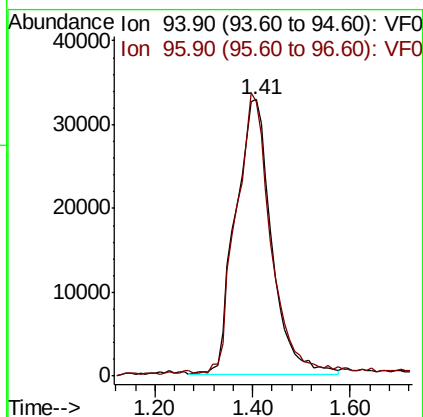
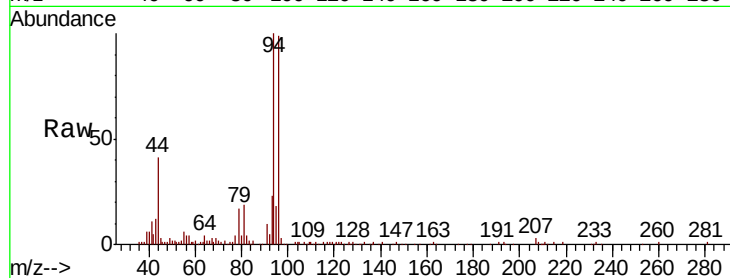
VSTDCCC050

Tgt Ion: 94 Resp: 168352

Ion Ratio Lower Upper

94 100

96 97.9 70.2 105.4



#6

Chloroethane

Concen: 45.336 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062218.D

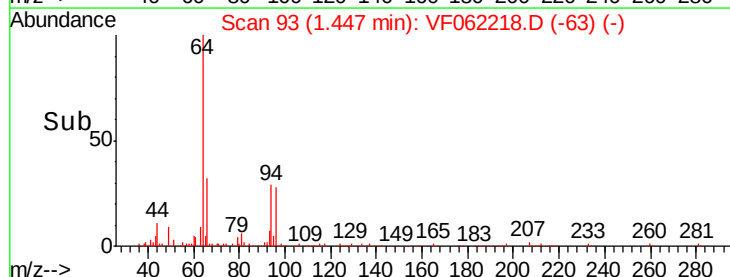
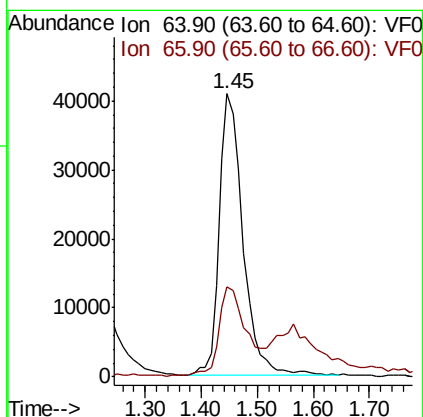
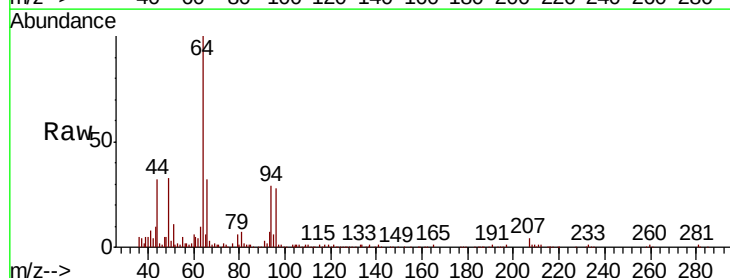
Acq: 19 Apr 2019 10:25

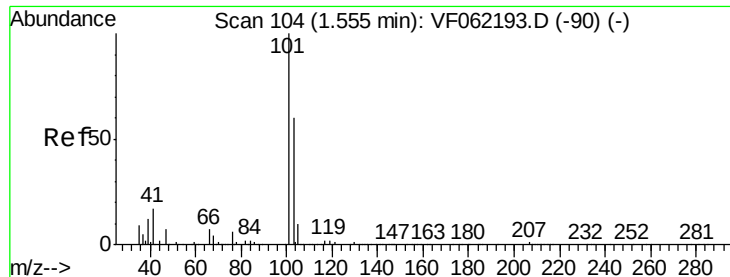
Tgt Ion: 64 Resp: 120083

Ion Ratio Lower Upper

64 100

66 31.0 27.0 40.4



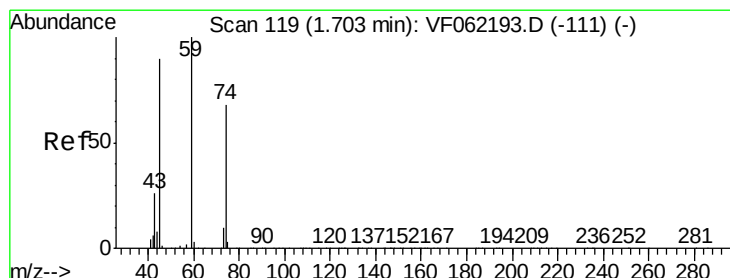
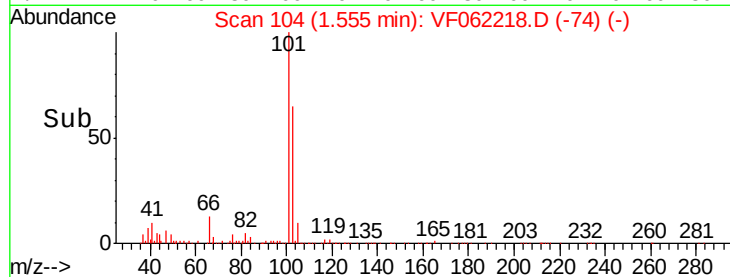
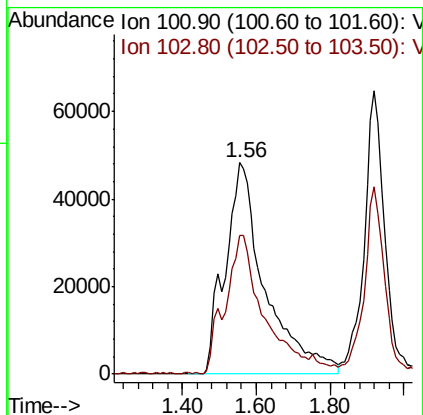
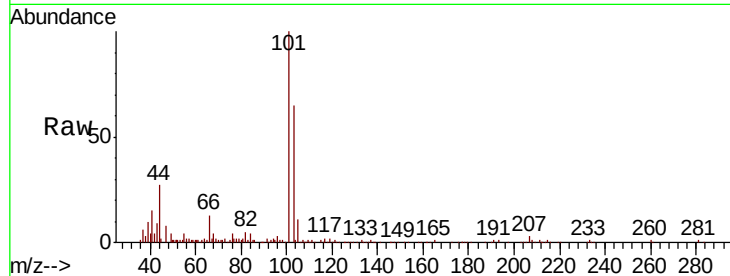


#7

Trichlorofluoromethane
Concen: 45.050 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

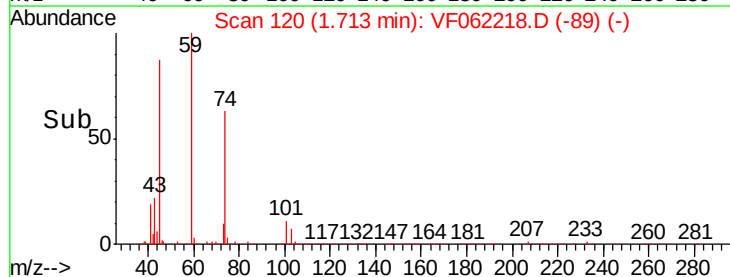
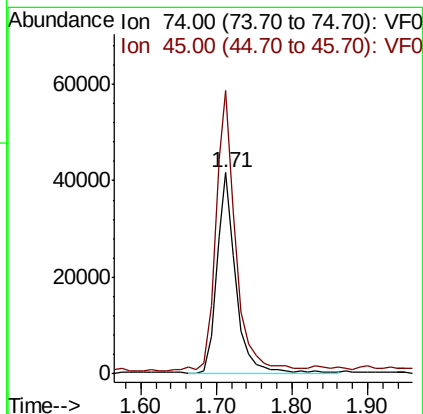
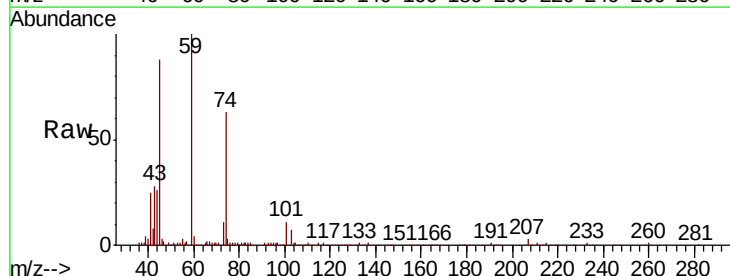
Tgt Ion:101 Resp: 362619
Ion Ratio Lower Upper
101 100
103 64.7 48.2 72.4

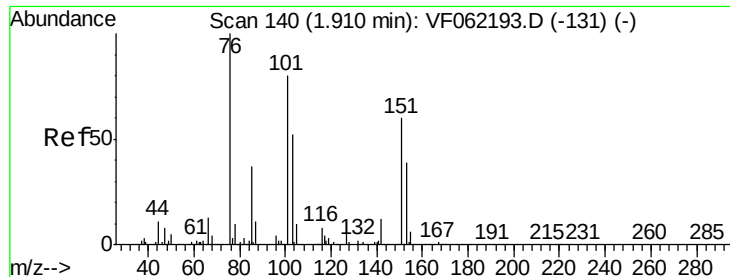


#8

Diethyl Ether
Concen: 43.376 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 74 Resp: 72666
Ion Ratio Lower Upper
74 100
45 143.9 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.770 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

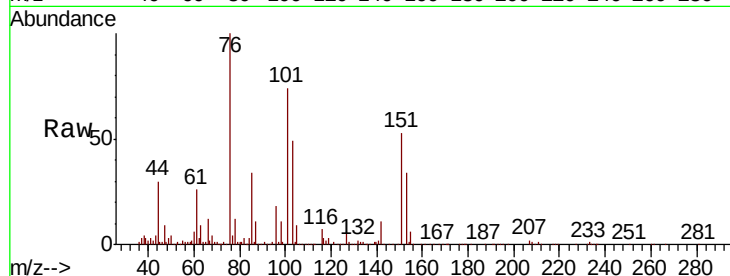
Tgt Ion:101 Resp: 246182

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

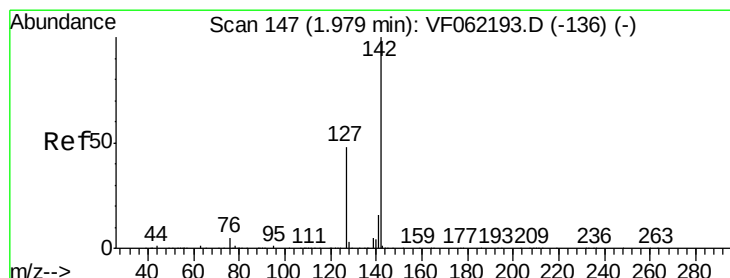
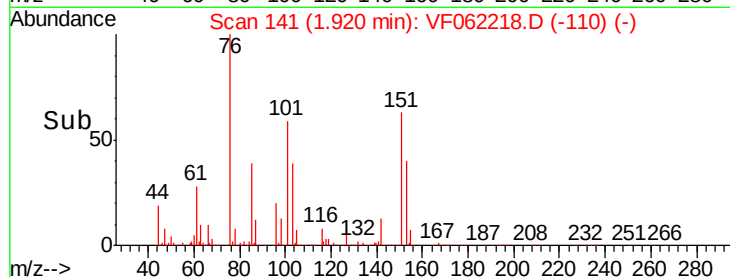
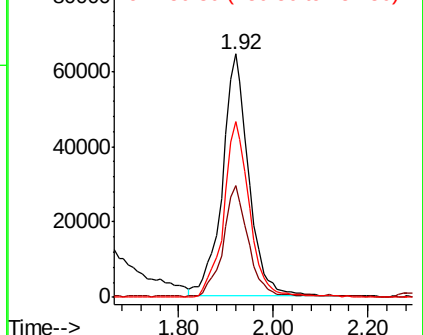
151 71.0 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.394 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

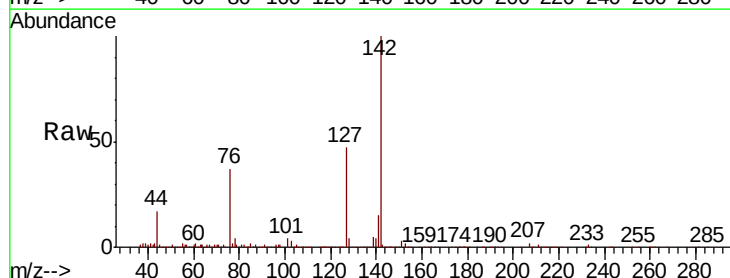
Tgt Ion:142 Resp: 443441

Ion Ratio Lower Upper

142 100

127 49.4 33.0 49.4#

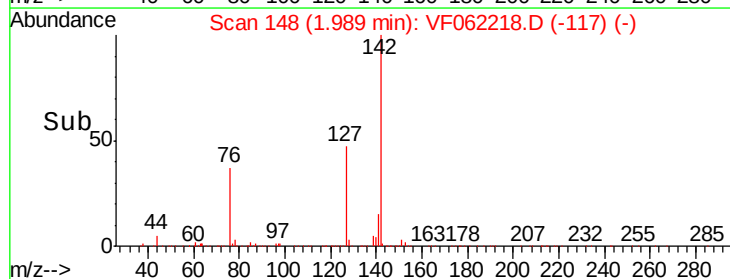
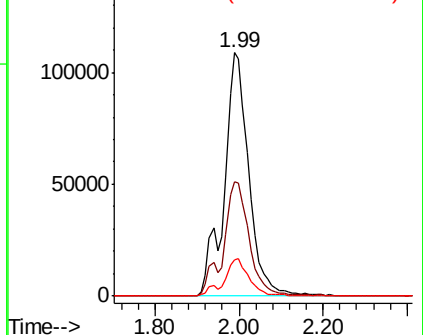
141 13.3 12.7 19.1

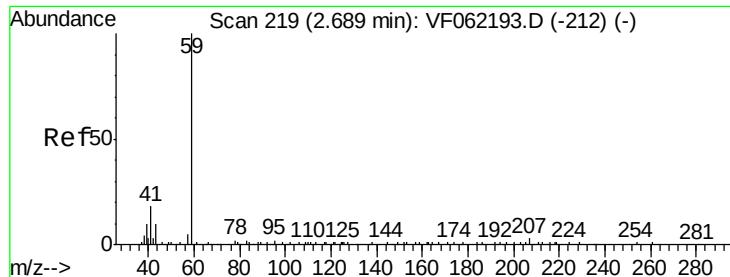


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

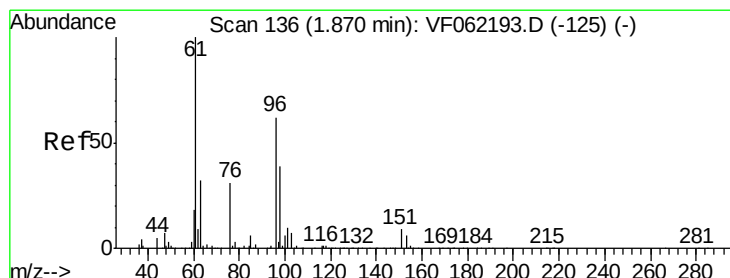
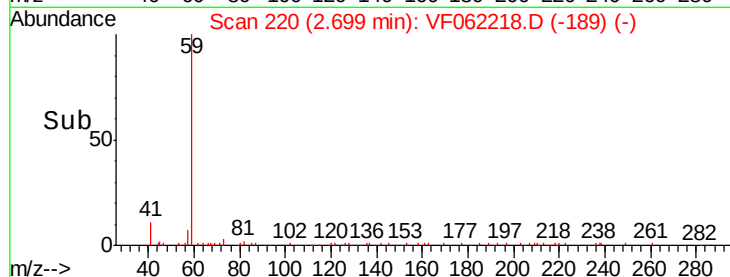
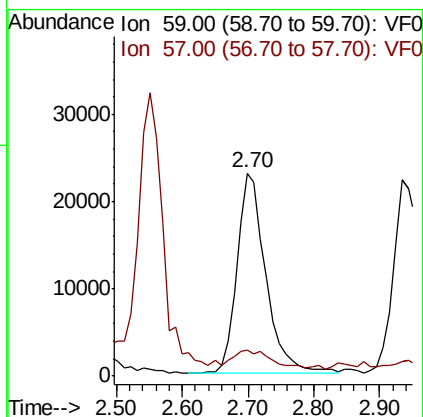
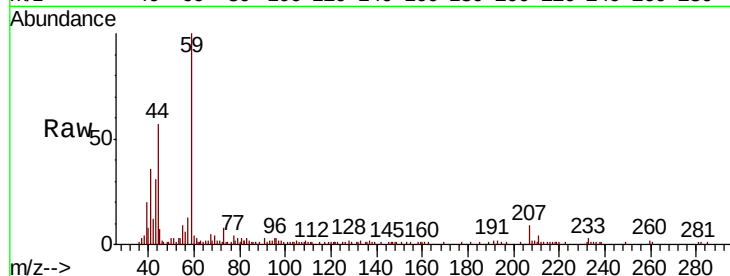




#11
Tert butyl alcohol
Concen: 235.739 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

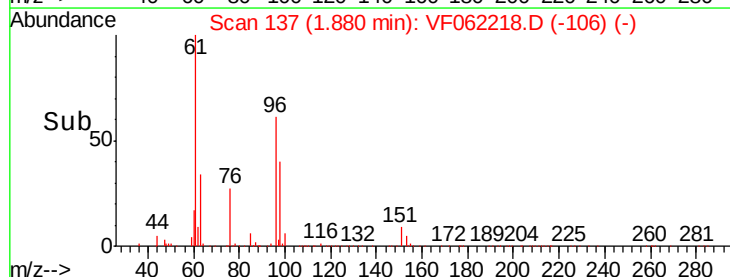
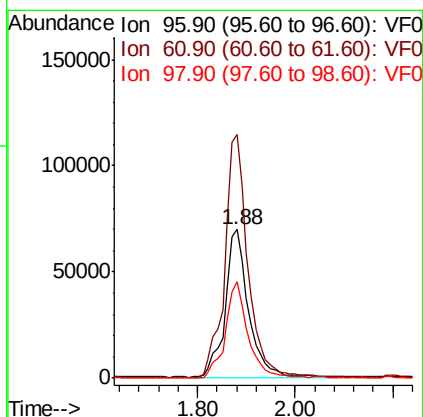
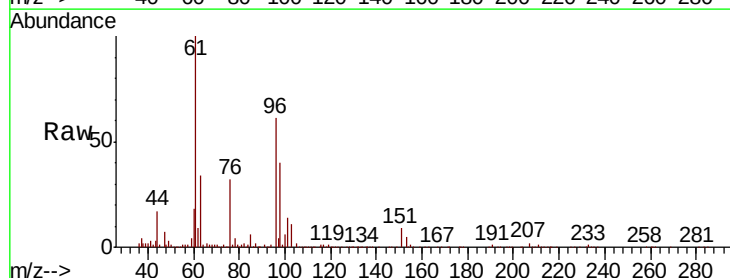
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

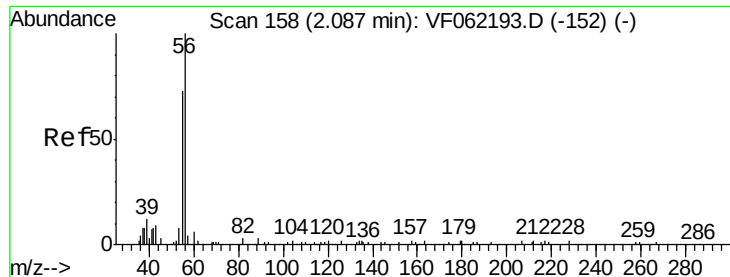
Tgt Ion: 59 Resp: 70546
Ion Ratio Lower Upper
59 100
57 12.9 9.3 13.9



#12
1,1-Dichloroethene
Concen: 44.060 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 96 Resp: 230437
Ion Ratio Lower Upper
96 100
61 164.8 129.1 193.7
98 65.3 50.0 75.0

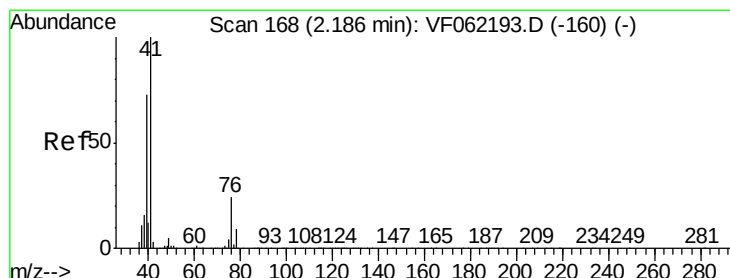
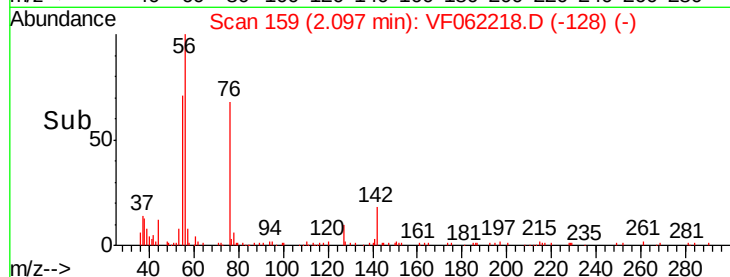
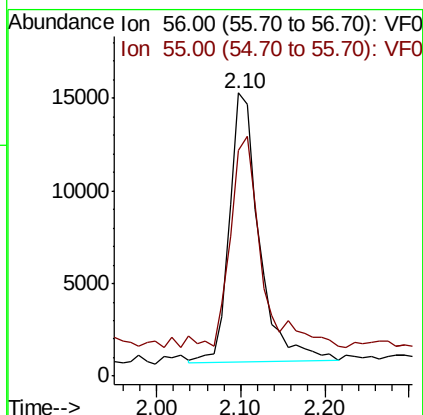
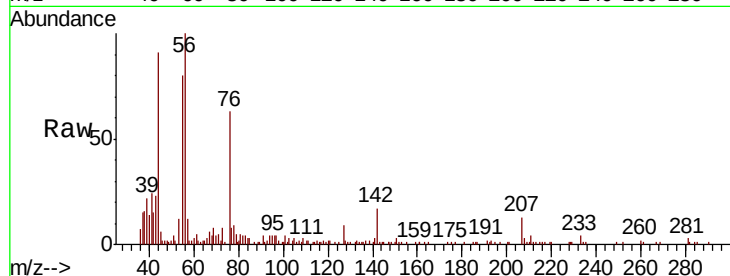




#13
Acrolein
Concen: 274.582 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

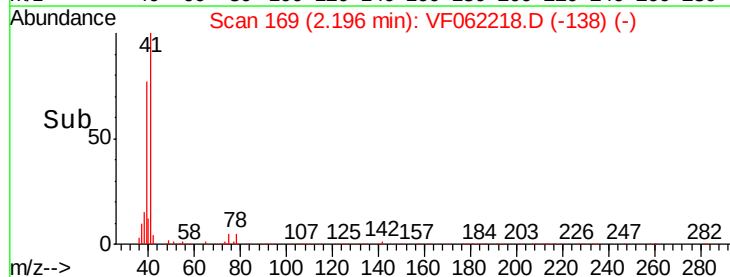
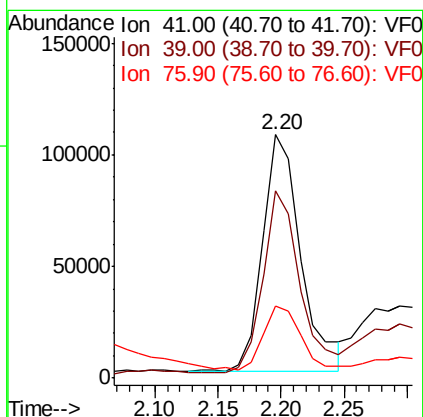
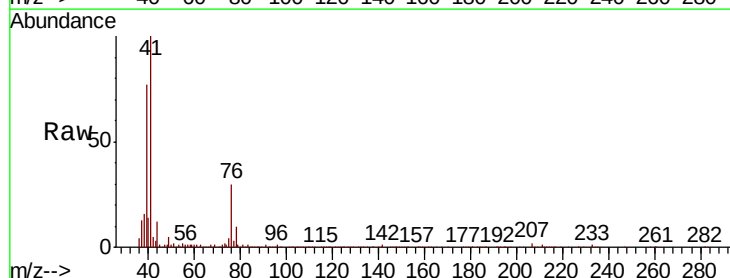
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

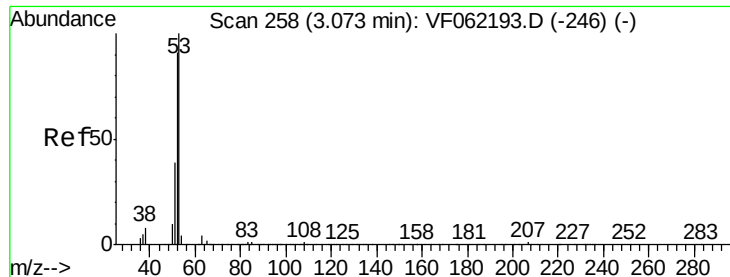
Tgt Ion: 56 Resp: 35904
Ion Ratio Lower Upper
56 100
55 81.8 57.4 86.0



#14
Allyl chloride
Concen: 37.285 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 41 Resp: 223794
Ion Ratio Lower Upper
41 100
39 76.2 60.0 90.0
76 29.2 20.6 30.8





#15

Acrylonitrile

Concen: 240.528 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

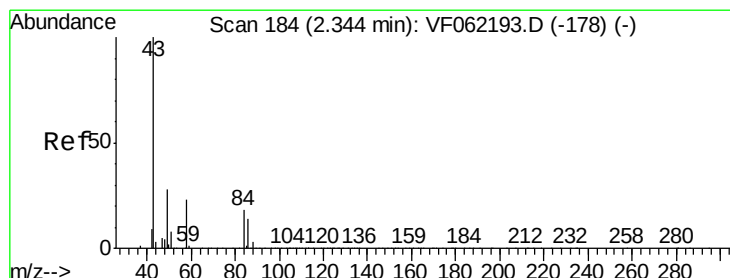
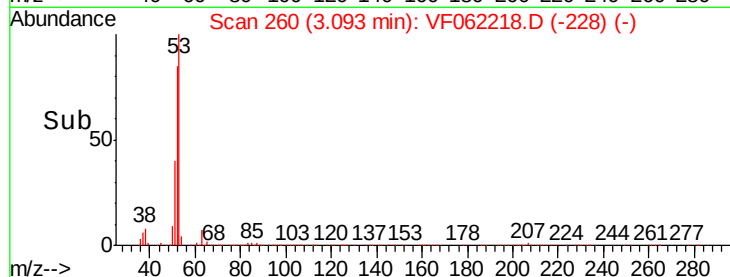
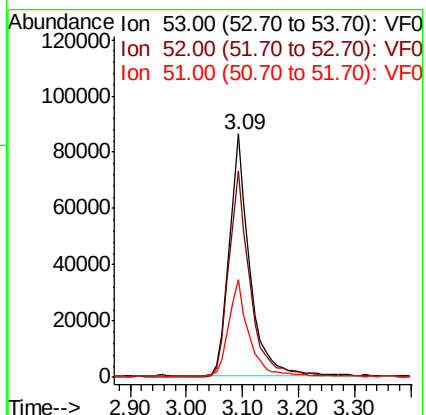
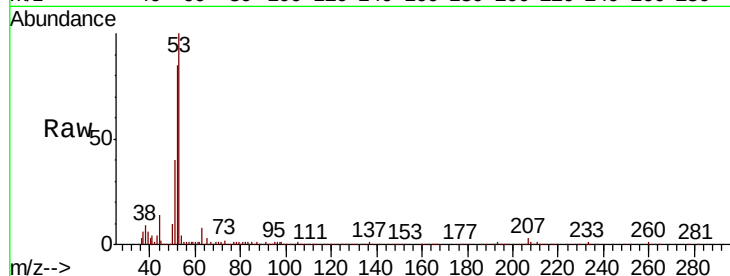
Tgt Ion: 53 Resp: 219231

Ion Ratio Lower Upper

53 100

52 87.0 69.5 104.3

51 38.9 31.8 47.8



#16

Acetone

Concen: 305.058 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062218.D

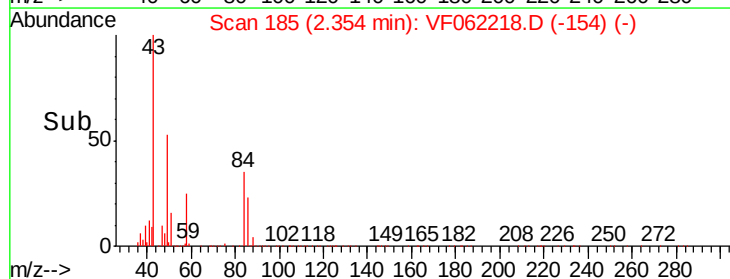
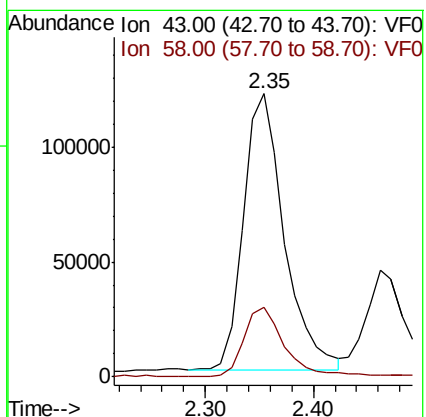
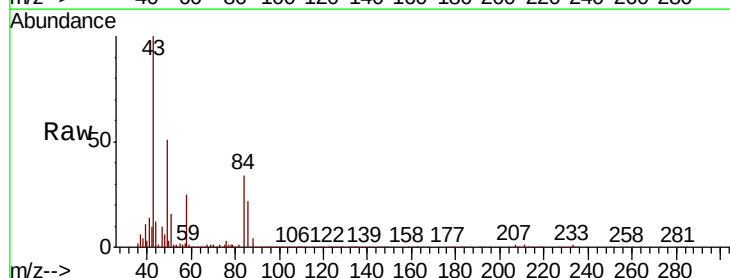
Acq: 19 Apr 2019 10:25

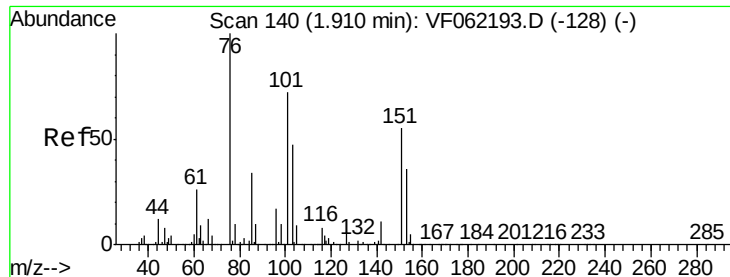
Tgt Ion: 43 Resp: 313916

Ion Ratio Lower Upper

43 100

58 25.3 18.8 28.2





#17

Carbon Disulfide

Concen: 43.384 ug/l m

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

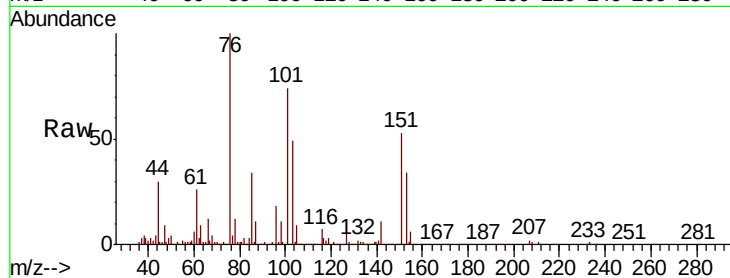
VSTDCCC050

Tgt Ion: 76 Resp: 630507

Ion Ratio Lower Upper

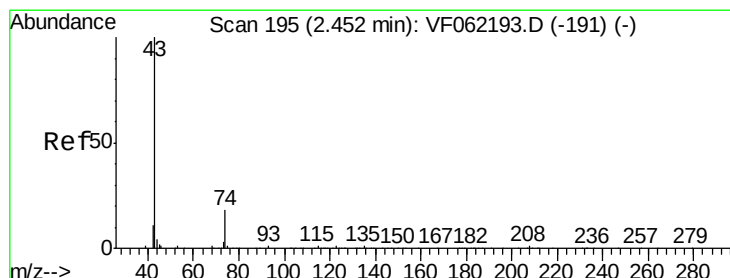
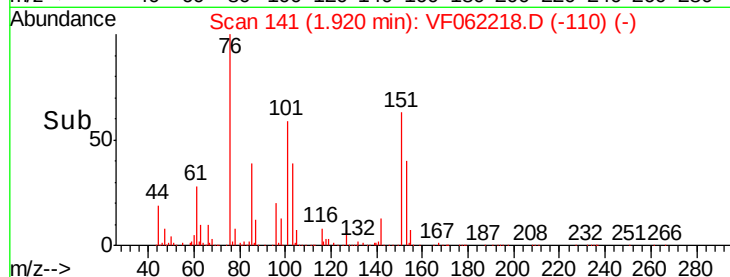
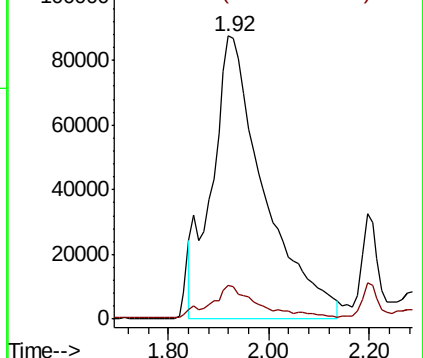
76 100

78 11.8 8.7 13.1



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 44.584 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062218.D

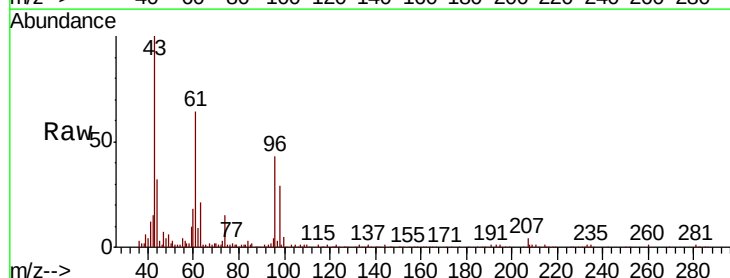
Acq: 19 Apr 2019 10:25

Tgt Ion: 43 Resp: 100233

Ion Ratio Lower Upper

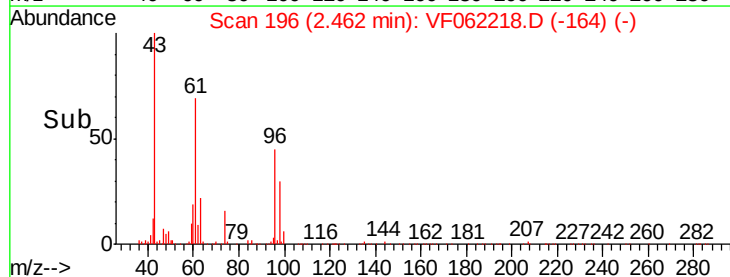
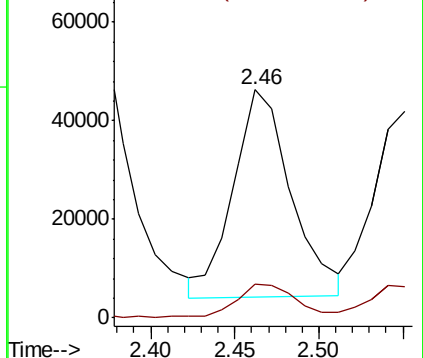
43 100

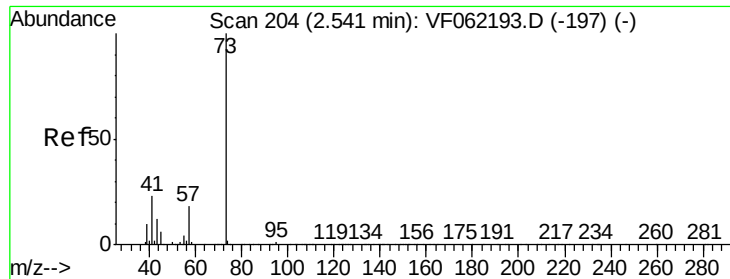
74 15.6 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

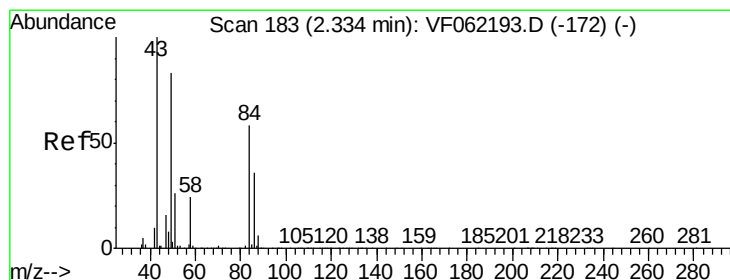
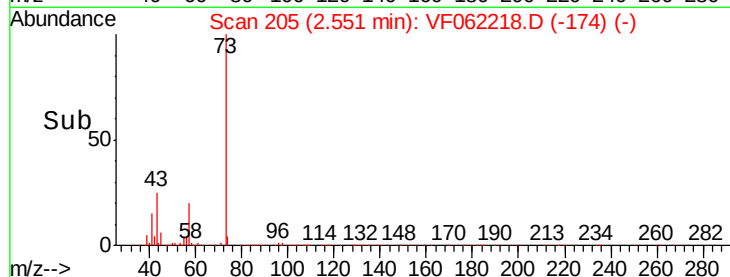
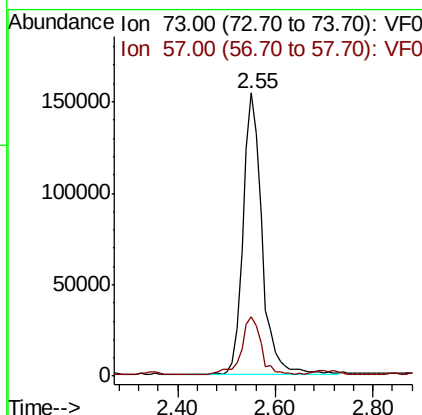
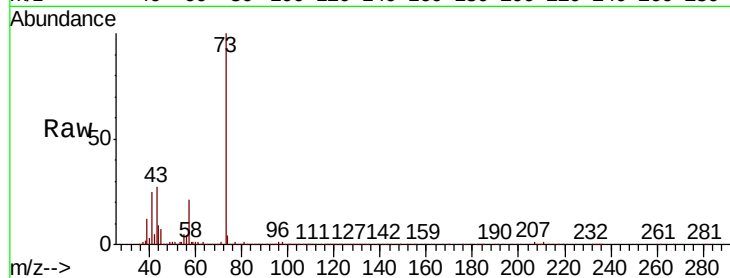




#19
Methyl tert-butyl Ether
Concen: 45.014 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

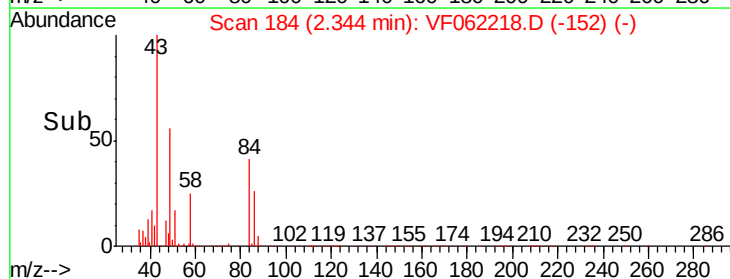
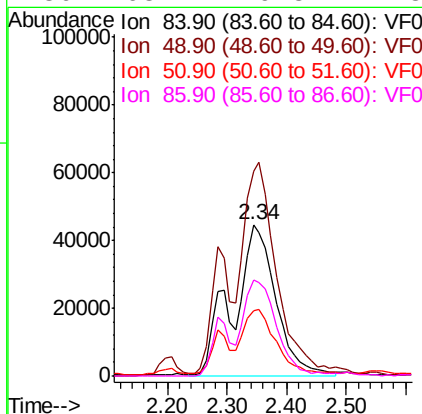
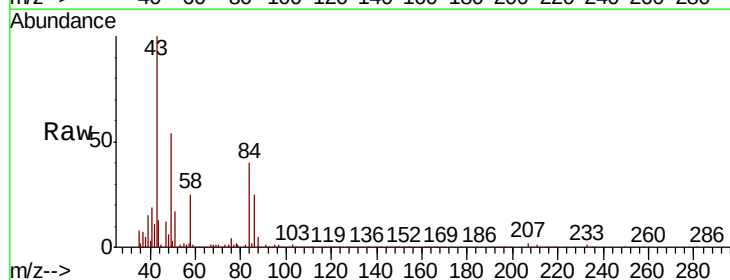
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

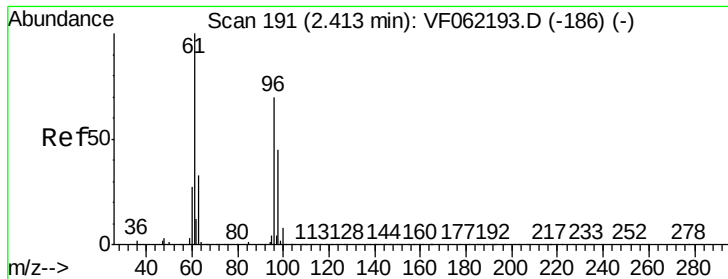
Tgt Ion: 73 Resp: 415673
Ion Ratio Lower Upper
73 100
57 20.4 15.1 22.7



#20
Methylene Chloride
Concen: 43.782 ug/l m
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 84 Resp: 225209
Ion Ratio Lower Upper
84 100
49 135.7 114.0 171.0
51 42.9 37.0 55.4
86 63.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 43.185 ug/l m

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

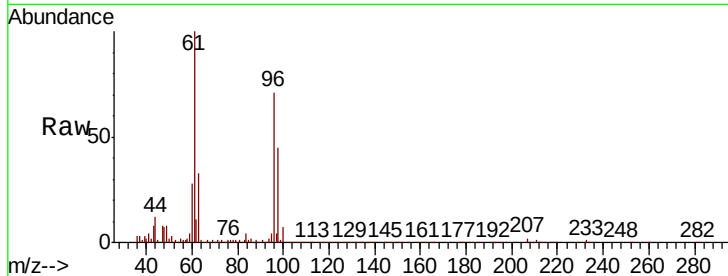
Tgt Ion: 96 Resp: 223357

Ion Ratio Lower Upper

96 100

61 139.9 114.6 172.0

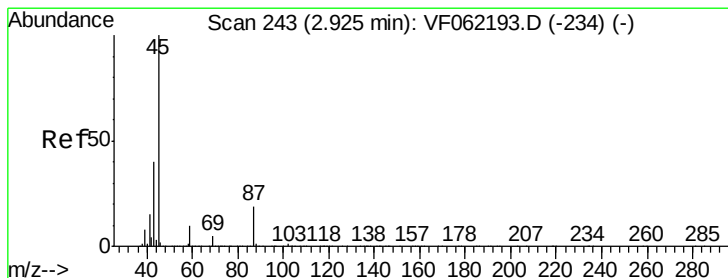
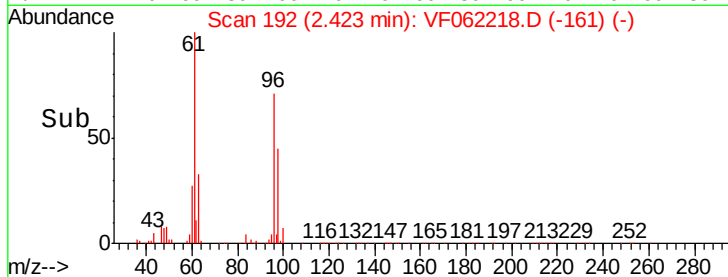
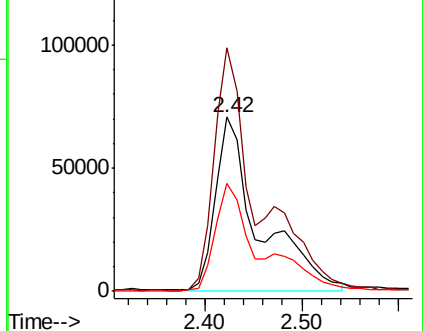
98 62.4 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 43.046 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Tgt Ion: 45 Resp: 660918

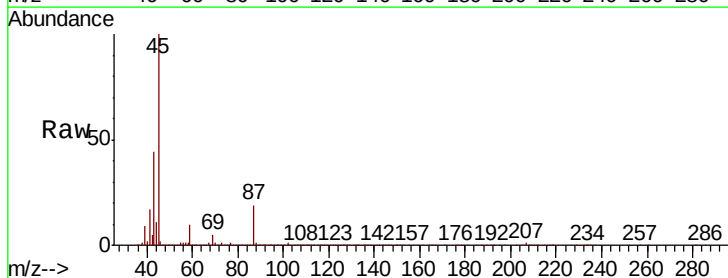
Ion Ratio Lower Upper

45 100

43 42.7 32.8 49.2

87 19.0 15.2 22.8

59 10.2 7.8 11.6

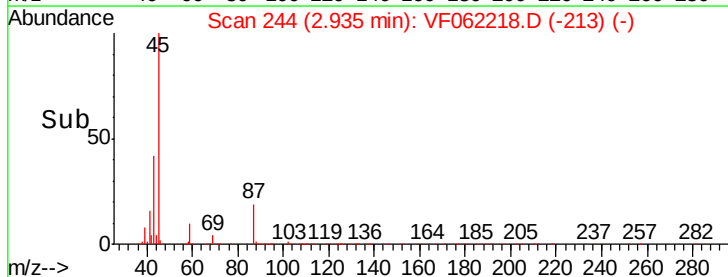
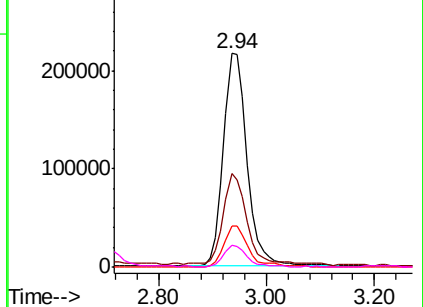


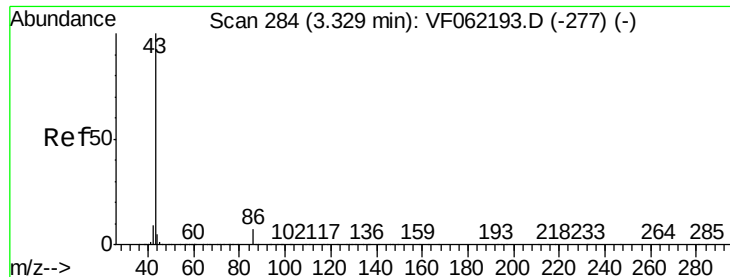
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

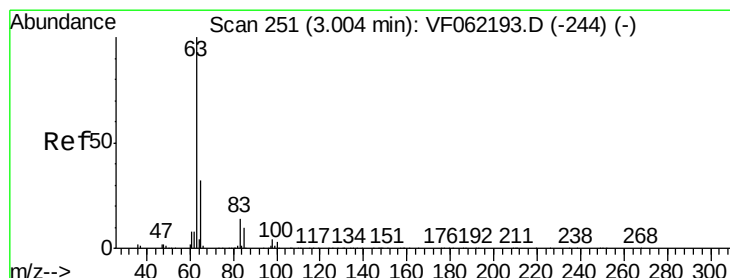
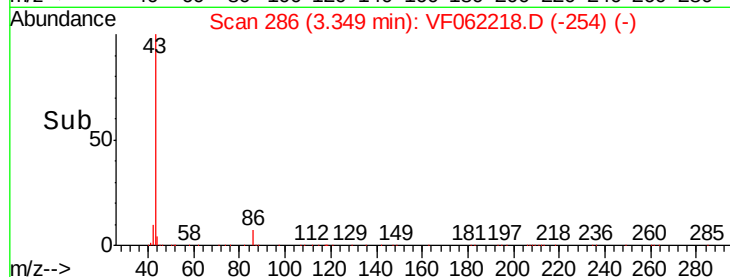
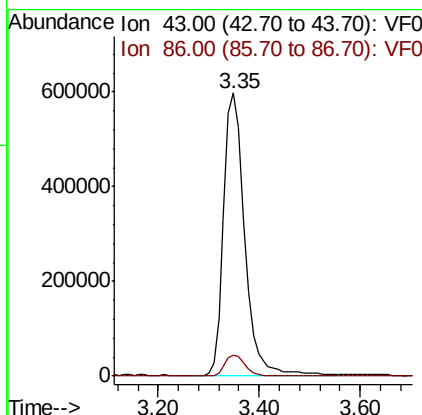
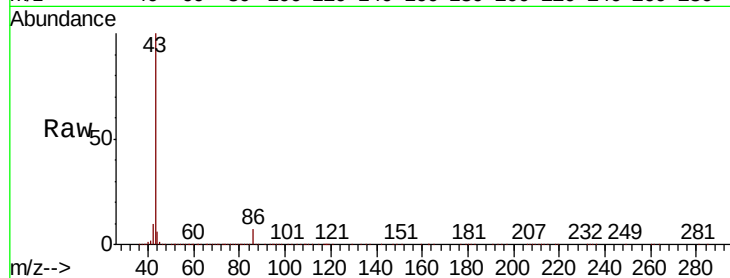




#23
 Vinyl Acetate
 Concen: 235.859 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

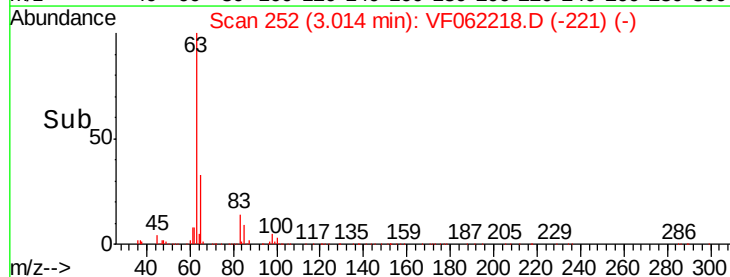
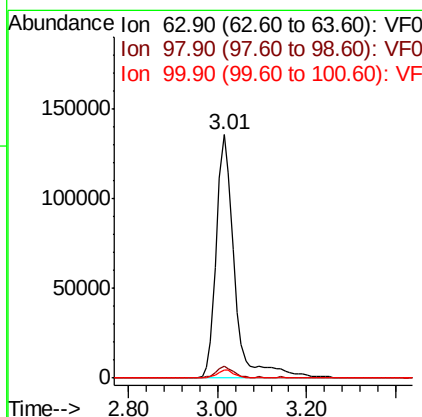
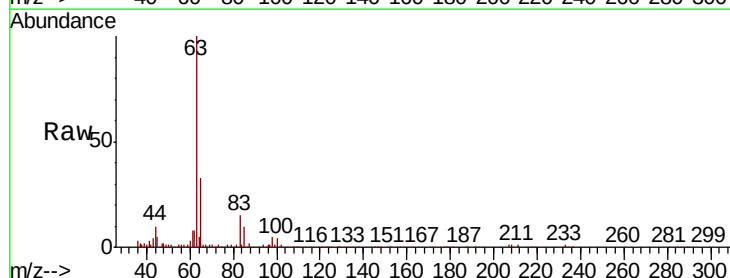
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

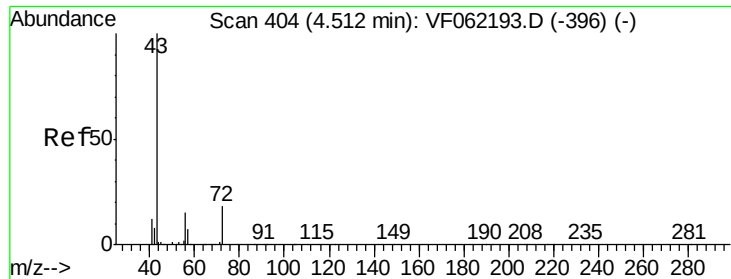
Tgt Ion: 43 Resp: 1725358
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.9 8.9



#24
 1,1-Dichloroethane
 Concen: 45.455 ug/l
 RT: 3.01 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion: 63 Resp: 381775
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.3 6.8
 100 3.5 1.7 5.0





#25

2-Butanone

Concen: 259.454 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

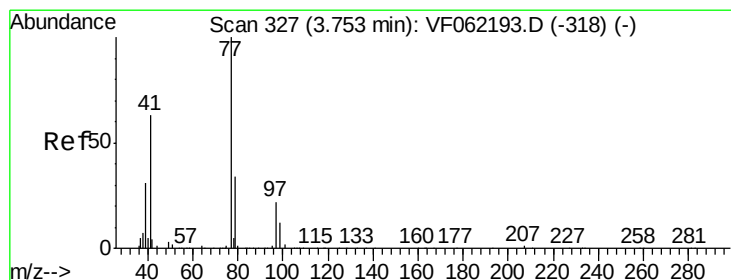
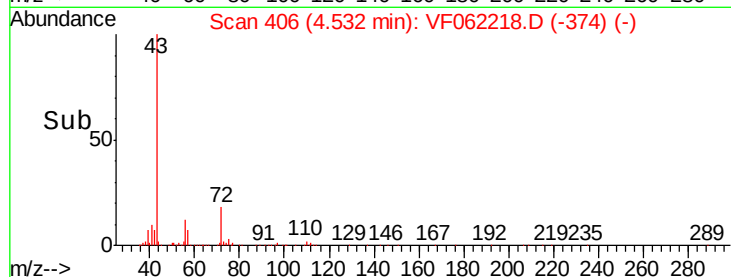
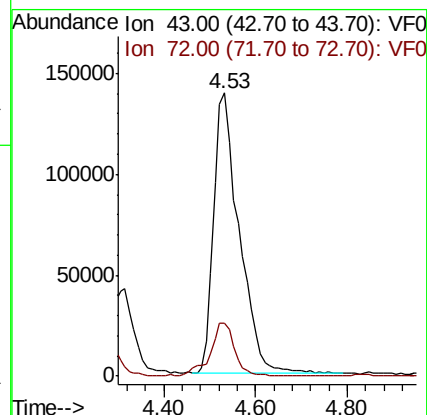
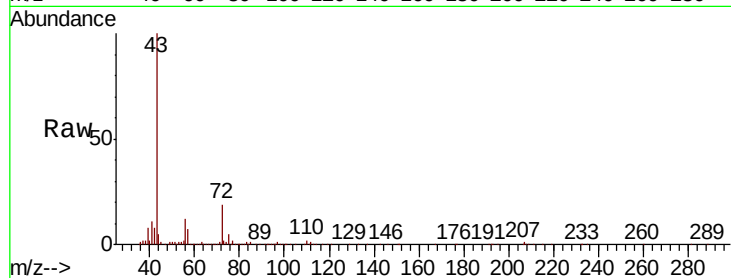
VSTDCCC050

Tgt Ion: 43 Resp: 533853

Ion Ratio Lower Upper

43 100

72 18.6 16.1 24.1



#26

2,2-Dichloropropane

Concen: 43.838 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF062218.D

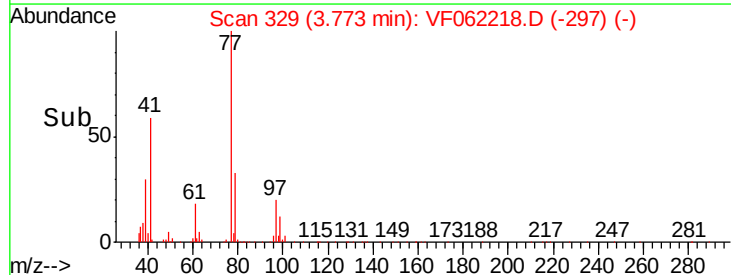
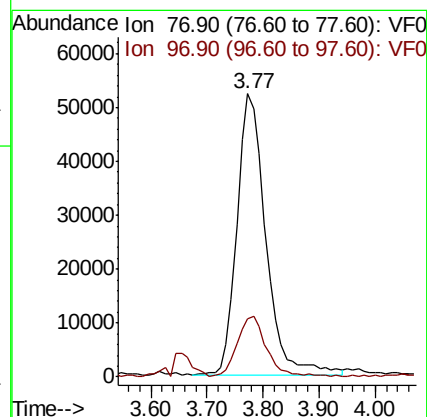
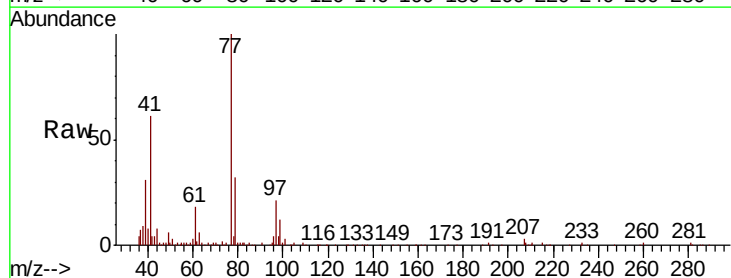
Acq: 19 Apr 2019 10:25

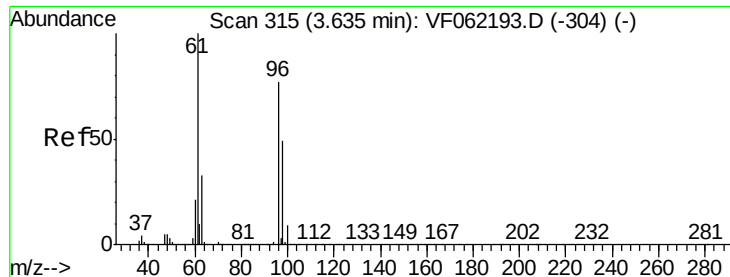
Tgt Ion: 77 Resp: 185890

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



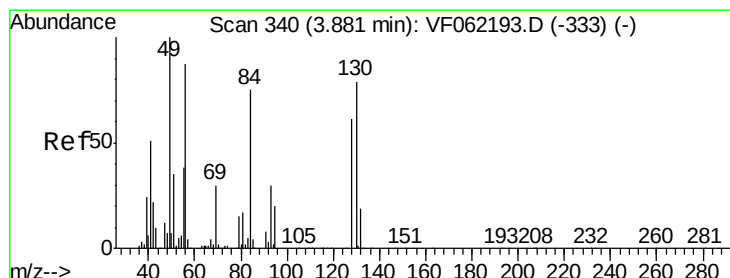
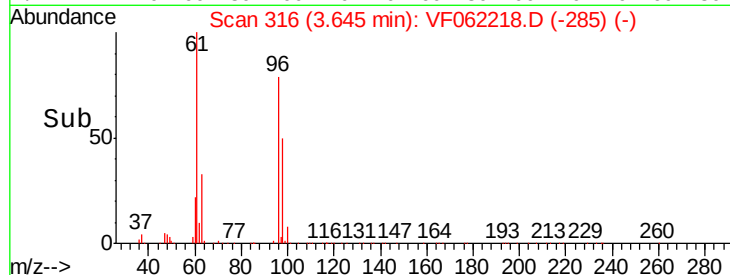
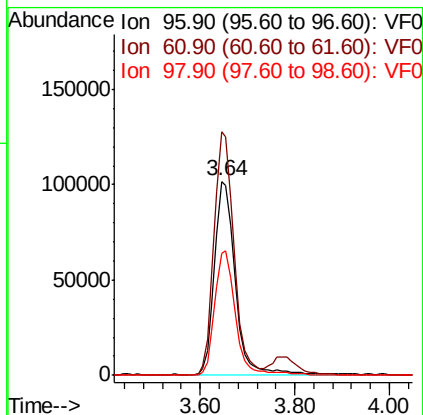
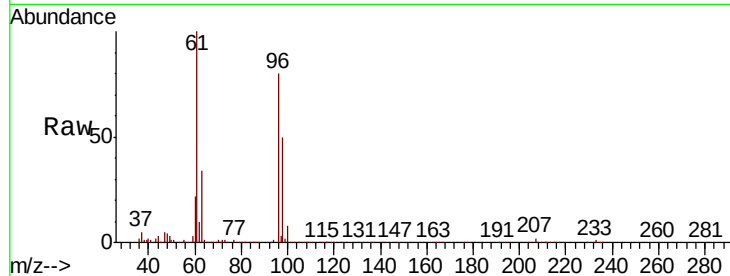


#27

cis-1,2-Dichloroethene
Concen: 46.047 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

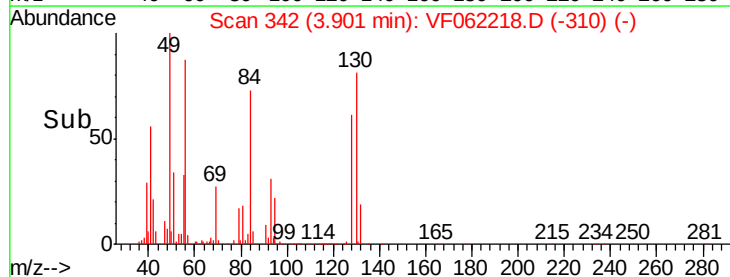
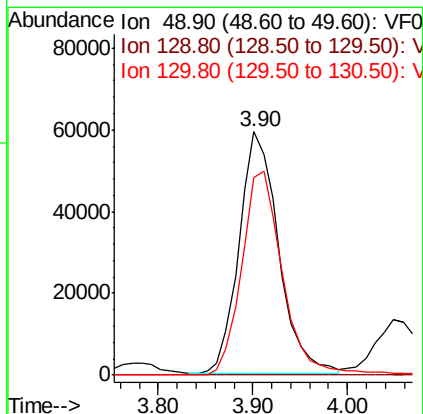
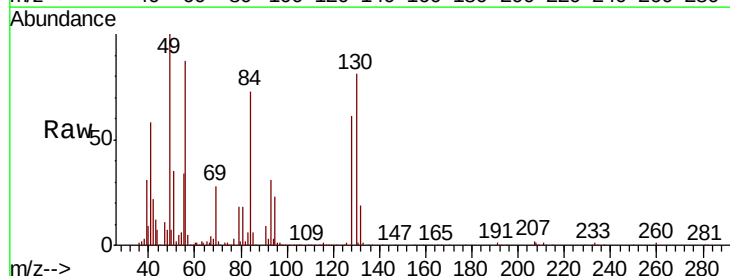
Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	253.6
98	62.4	0.0	124.8

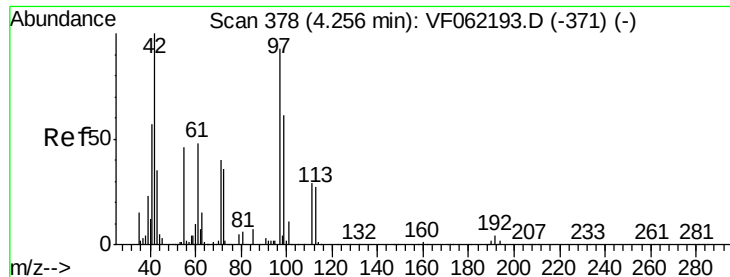


#28

Bromochloromethane
Concen: 42.745 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	88.0	66.6	100.0





#29

Tetrahydrofuran

Concen: 218.825 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

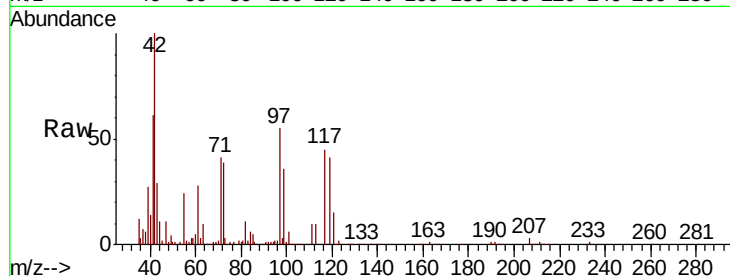
Tgt Ion: 42 Resp: 203801

Ion Ratio Lower Upper

42 100

72 36.4 28.6 43.0

71 39.5 29.2 43.8

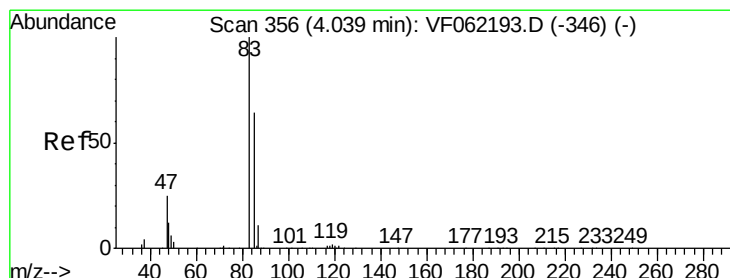
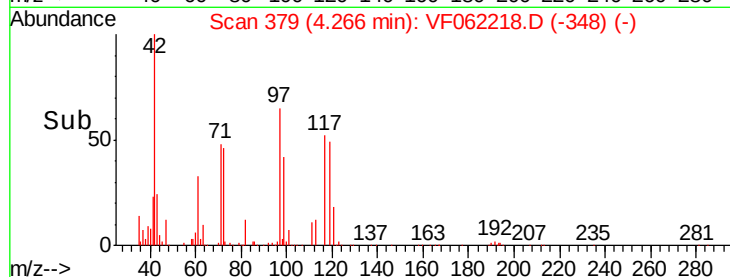
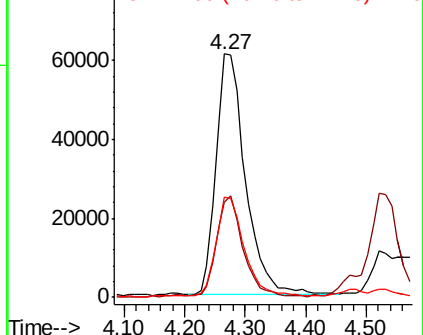


Abundance

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: 46.029 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF062218.D

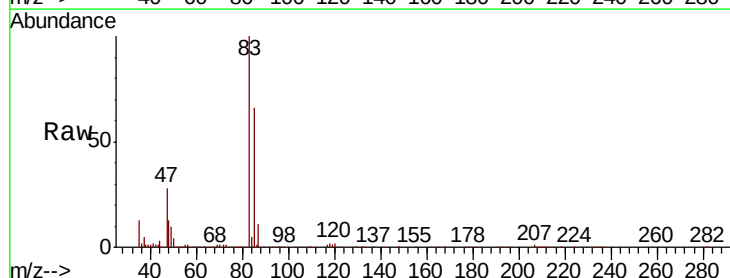
Acq: 19 Apr 2019 10:25

Tgt Ion: 83 Resp: 475116

Ion Ratio Lower Upper

83 100

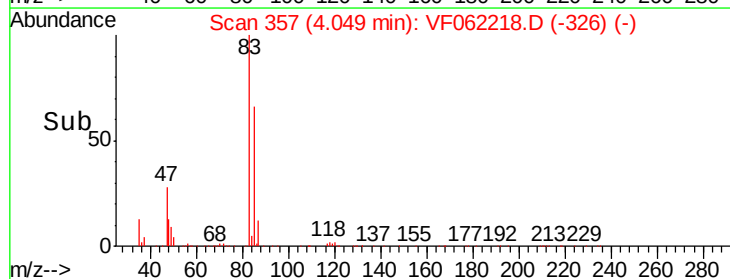
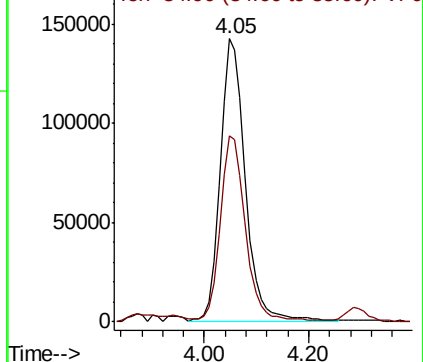
85 64.6 51.8 77.8

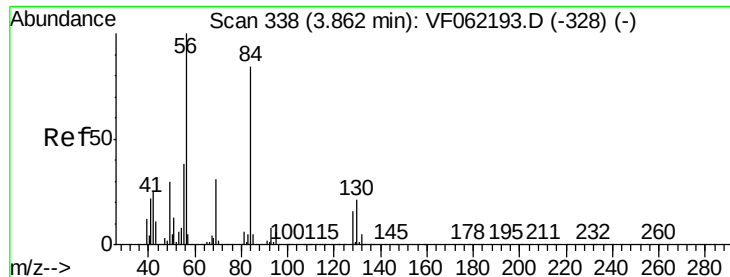


Abundance

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

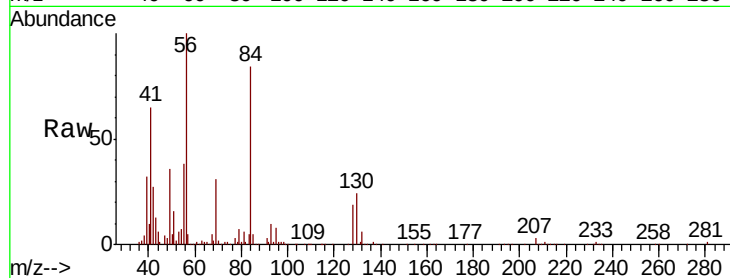




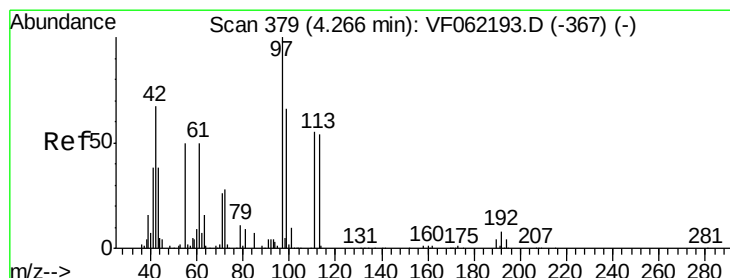
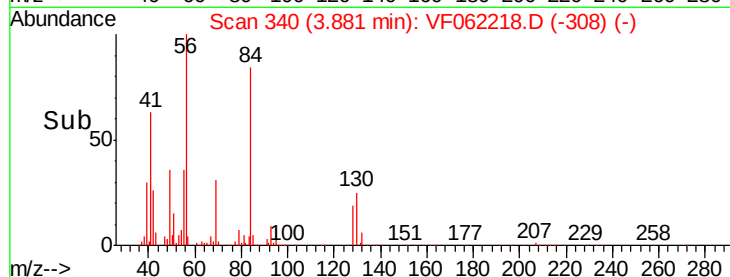
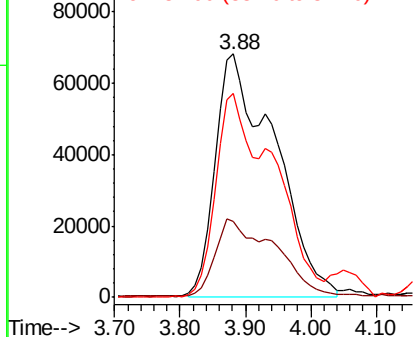
#31
Cyclohexane
Concen: 43.051 ug/l m
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 433319
Ion Ratio Lower Upper
56 100
69 31.4 25.1 37.7
84 83.7 67.8 101.6

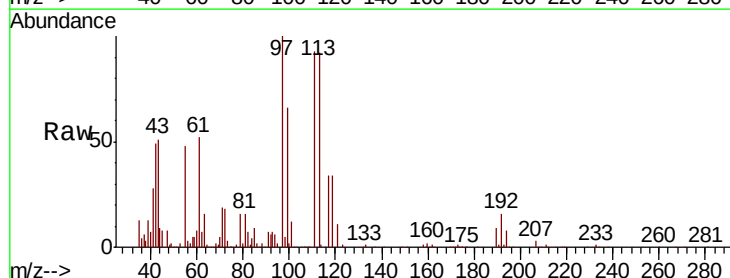


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

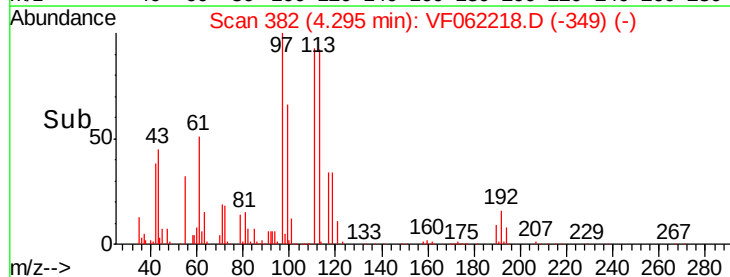
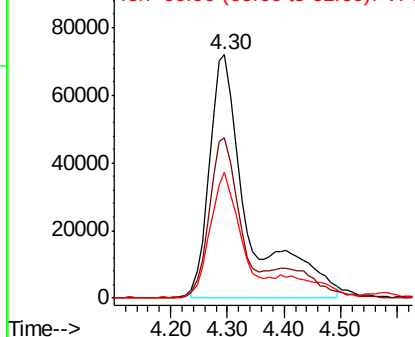


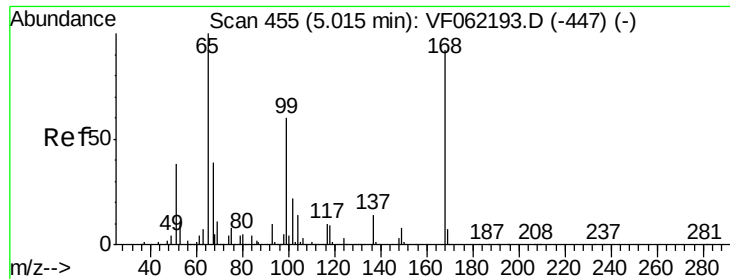
#32
1,1,1-Trichloroethane
Concen: 45.082 ug/l m
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 97 Resp: 340623
Ion Ratio Lower Upper
97 100
99 51.7 52.7 79.1#
61 40.5 53.0 79.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.263 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

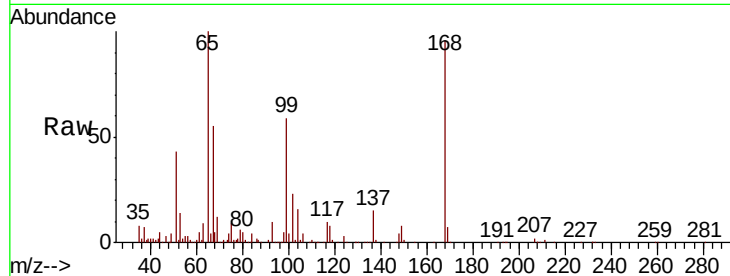
VSTDCCC050

Tgt Ion: 65 Resp: 212082

Ion Ratio Lower Upper

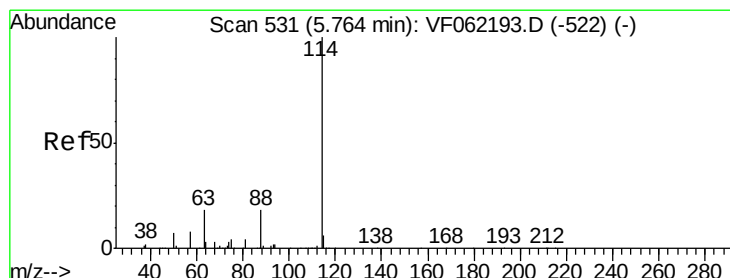
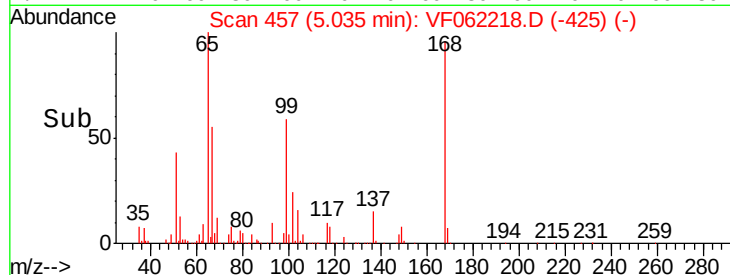
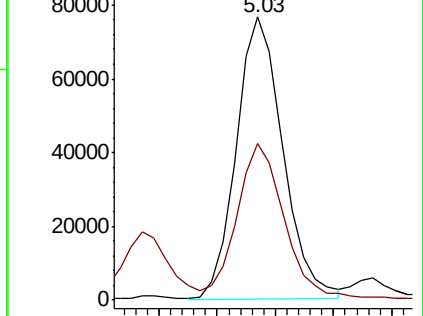
65 100

67 55.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

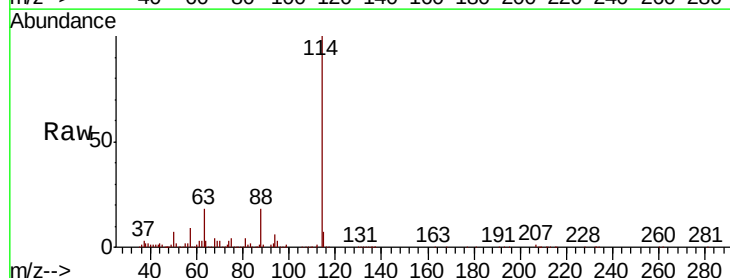
Tgt Ion: 114 Resp: 694307

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

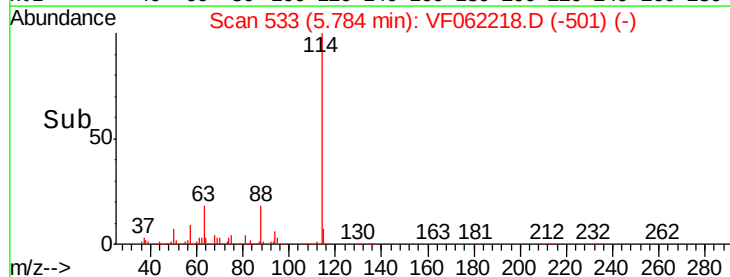
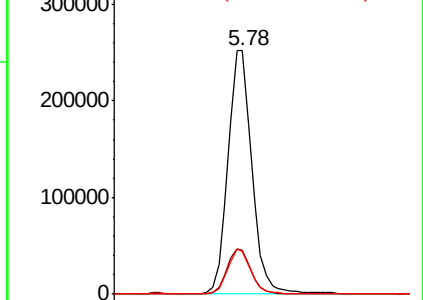
88 17.7 0.0 35.8

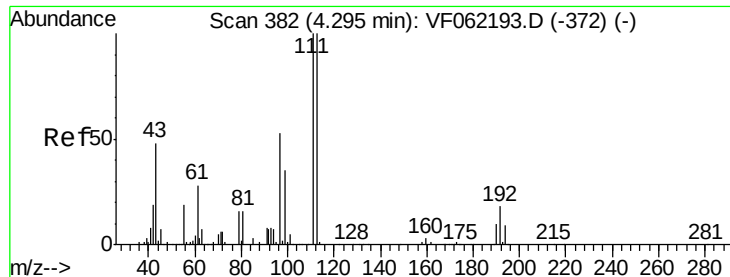


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

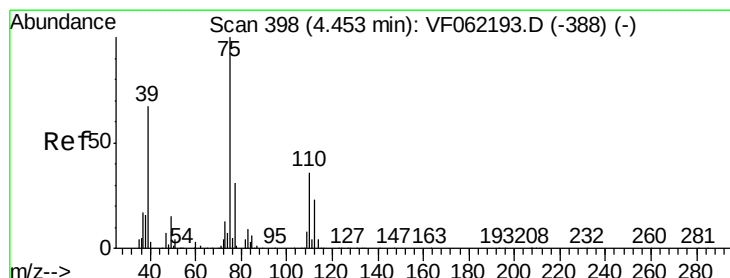
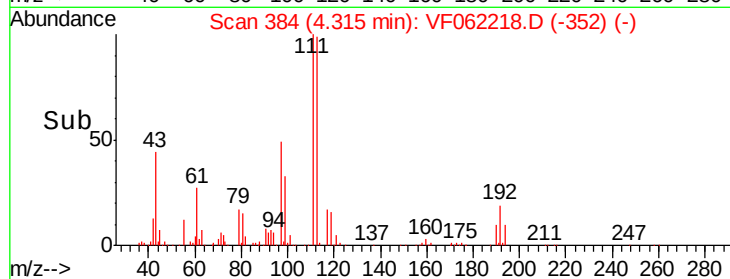
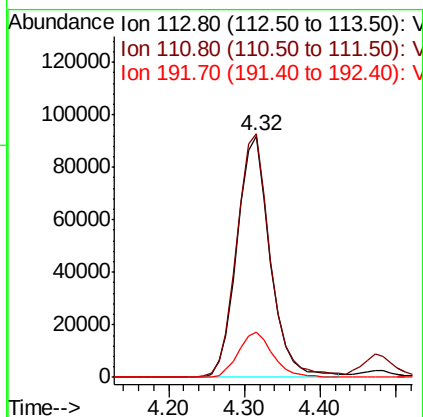
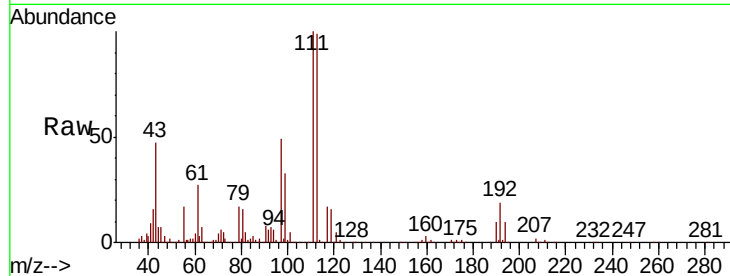




#35
 Dibromofluoromethane
 Concen: 45.778 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

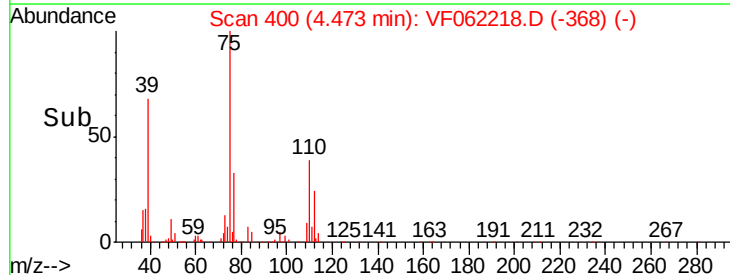
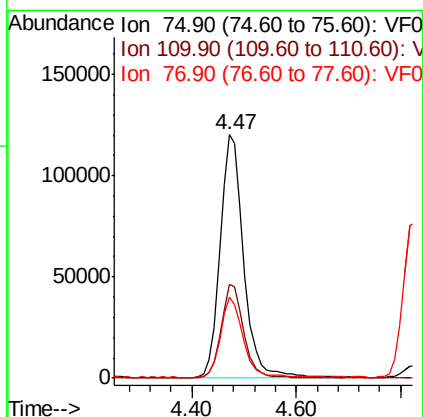
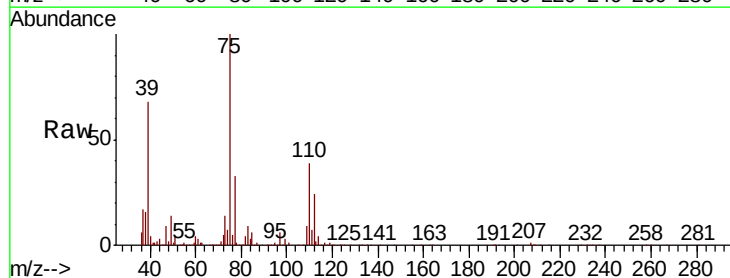
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

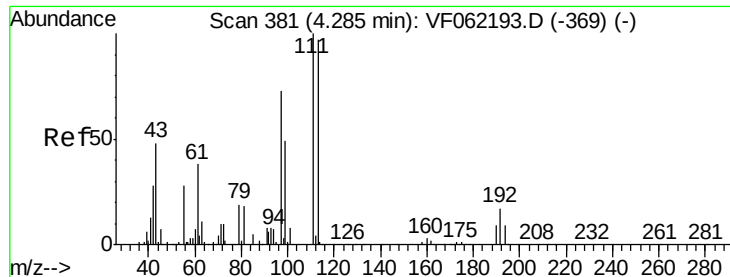
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	19.7	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 44.757 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.4	55.2
77	31.0	25.4	38.2

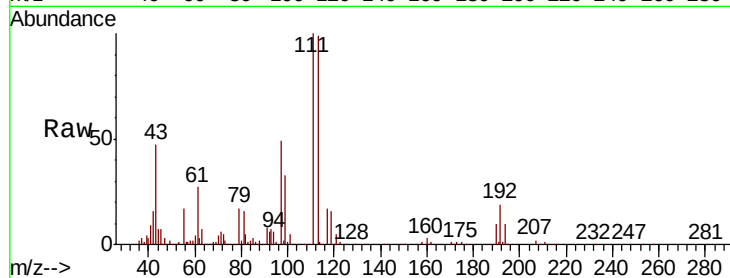




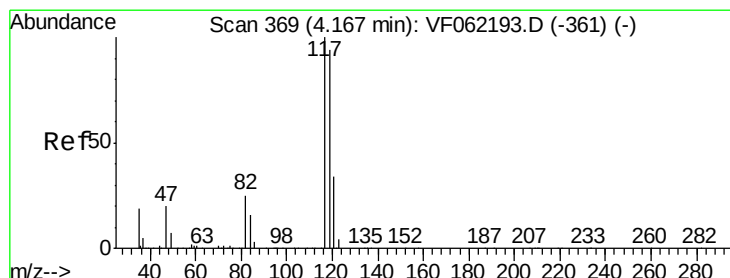
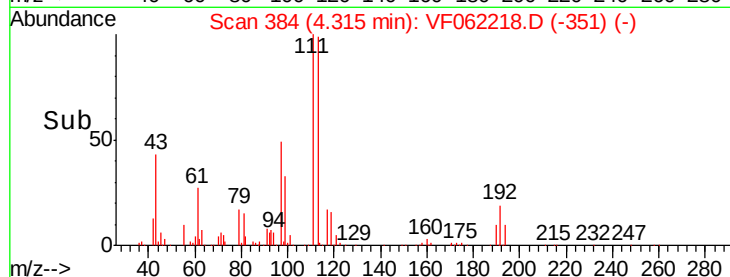
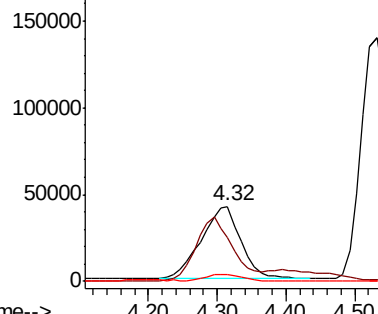
#37
Ethyl Acetate
Concen: 41.740 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 163959
Ion Ratio Lower Upper
43 100
61 84.1 0.0 0.0#
70 9.7 7.8 11.6

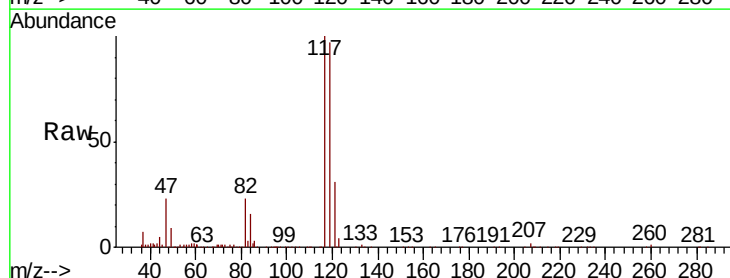


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

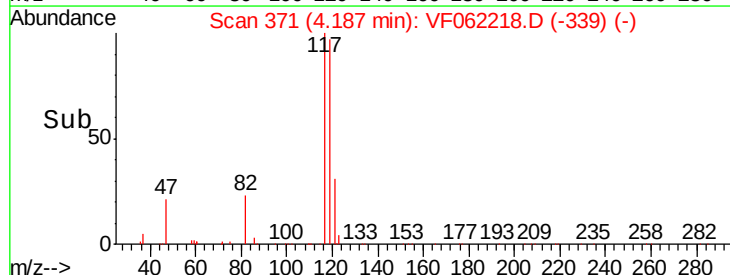
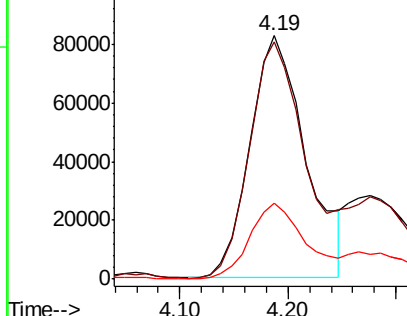


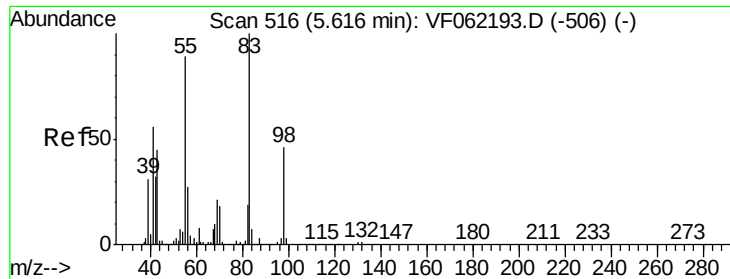
#38
Carbon Tetrachloride
Concen: 40.302 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 117 Resp: 296954
Ion Ratio Lower Upper
117 100
119 97.5 75.0 112.4
121 30.9 26.9 40.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

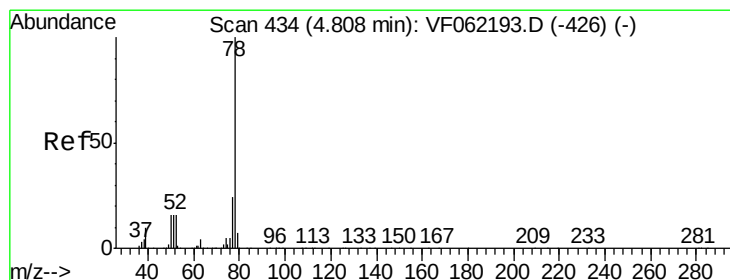
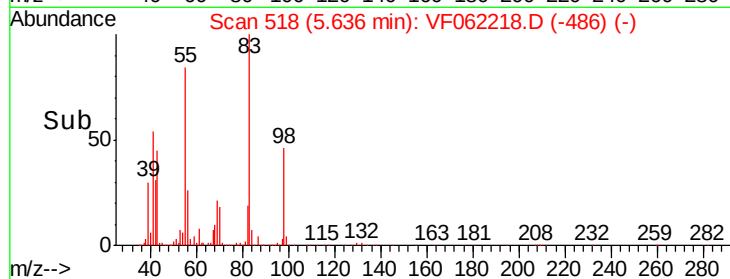
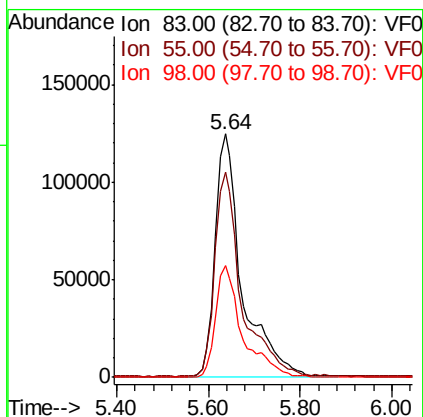
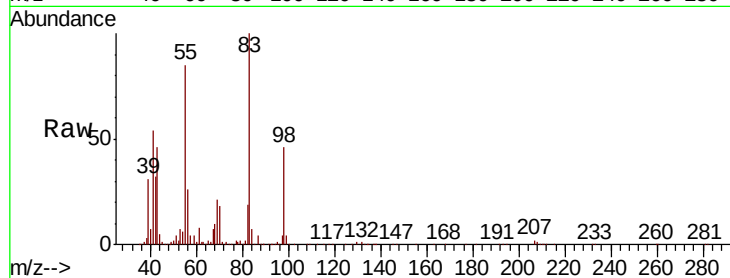




#39
Methylcyclohexane
Concen: 51.116 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

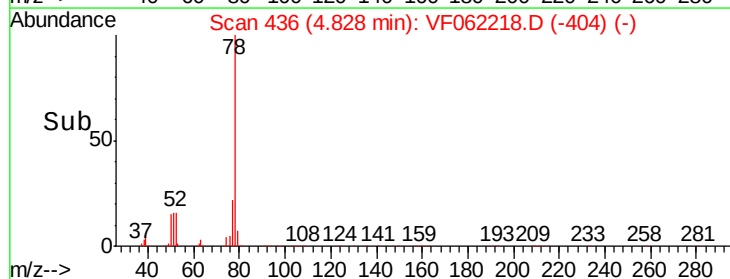
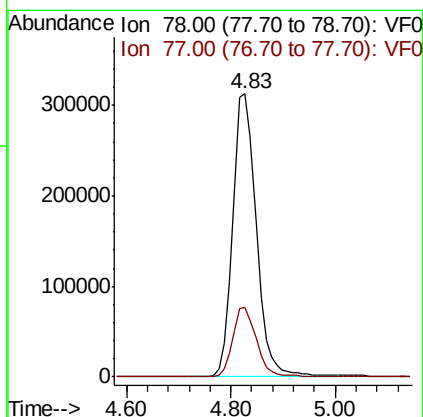
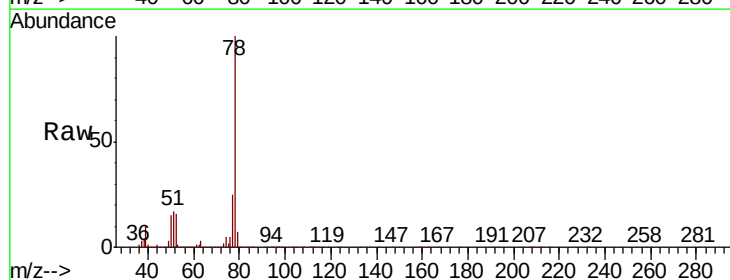
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

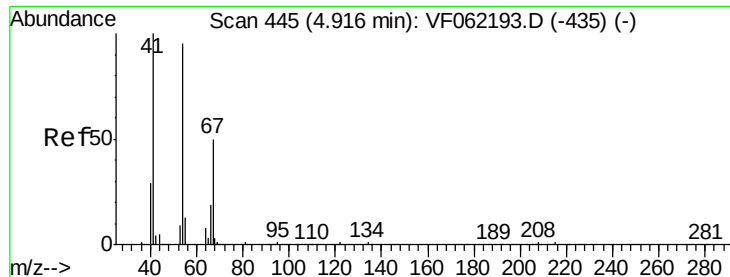
Tgt Ion: 83 Resp: 509468
Ion Ratio Lower Upper
83 100
55 84.1 71.0 106.6
98 45.6 36.7 55.1



#40
Benzene
Concen: 43.885 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 78 Resp: 958192
Ion Ratio Lower Upper
78 100
77 24.4 18.9 28.3

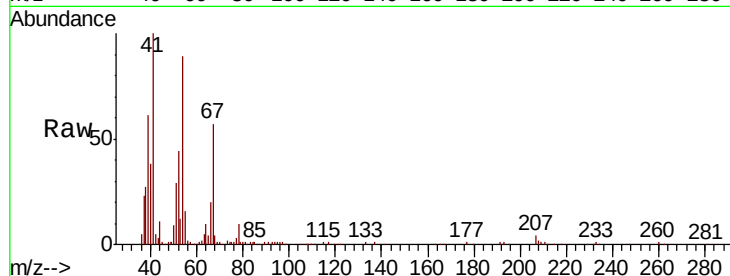




#41
Methacrylonitrile
Concen: 42.989 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	97405
Ion	Ratio	Lower	Upper
41	100		
39	58.6	44.7	67.1
67	52.8	39.1	58.7
52	59.1	49.8	74.8



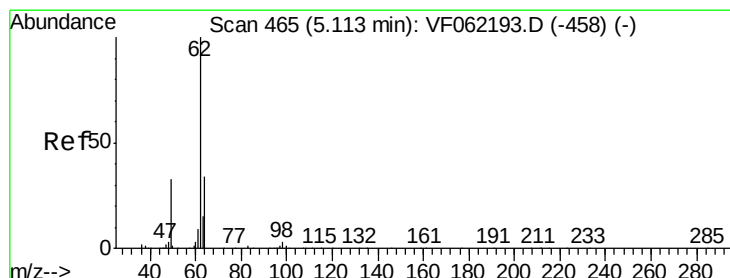
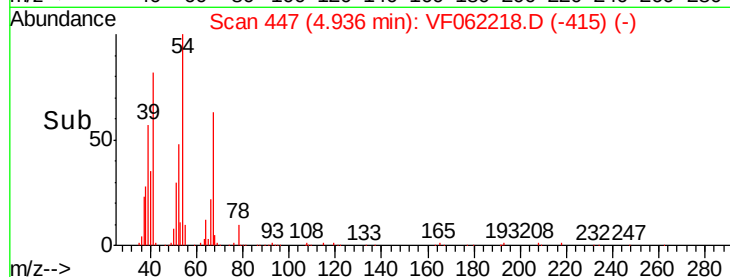
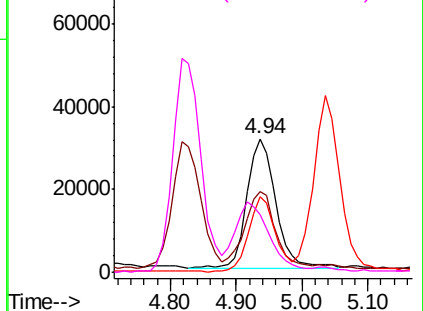
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

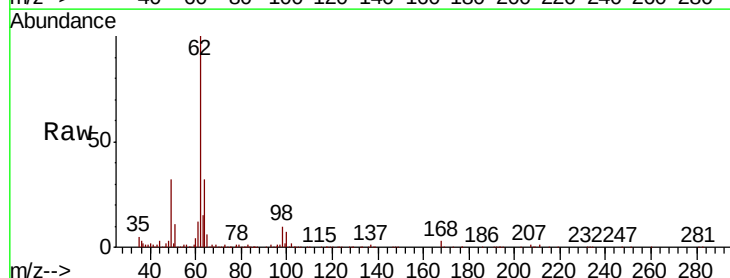
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 48.697 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

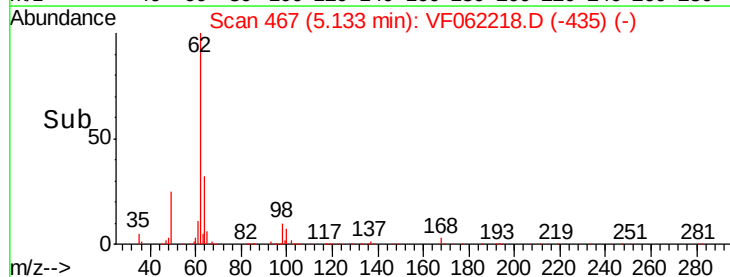
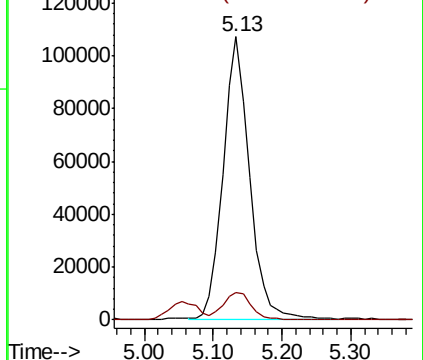
Tgt Ion:	62	Resp:	281090
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.0

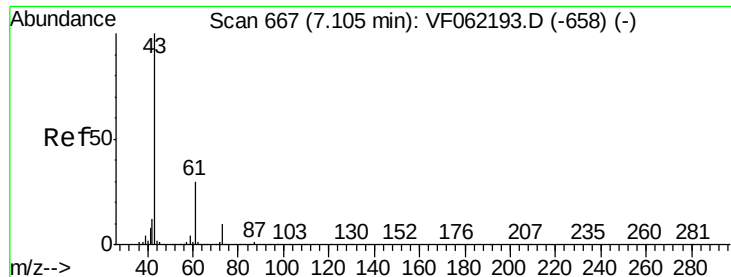


Abundance

Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

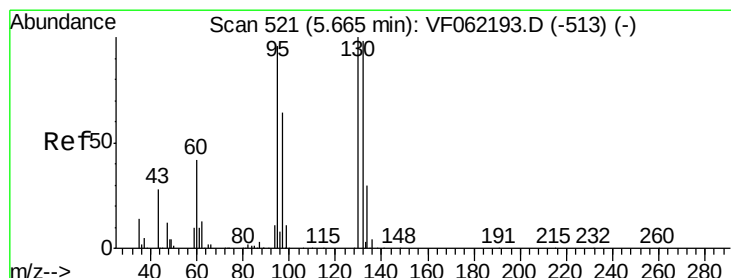
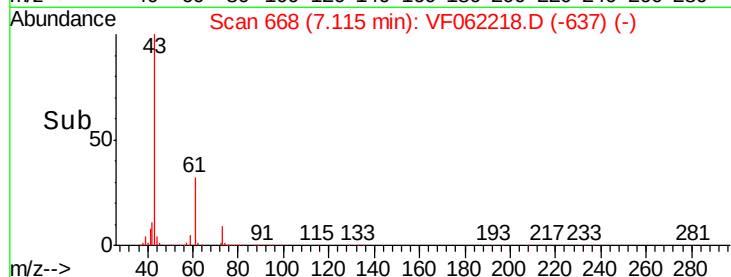
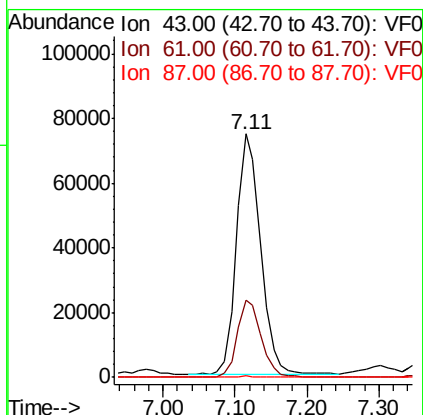
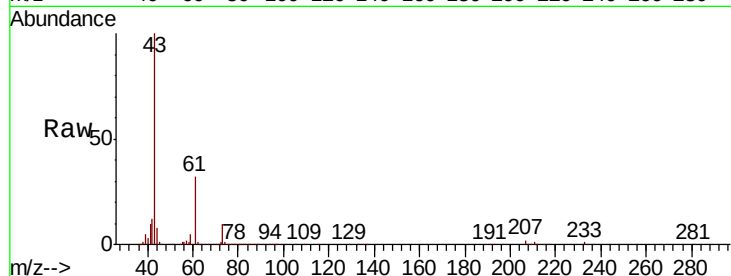




#43
Isopropyl Acetate
Concen: 42.190 ug/l
RT: 7.11 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

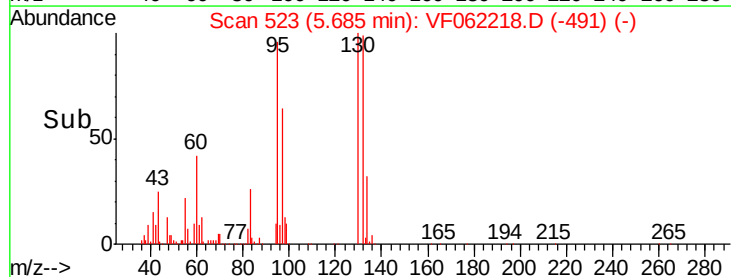
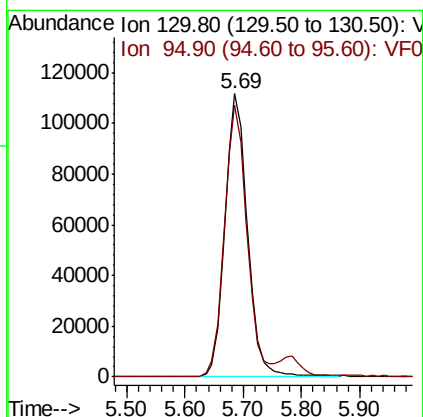
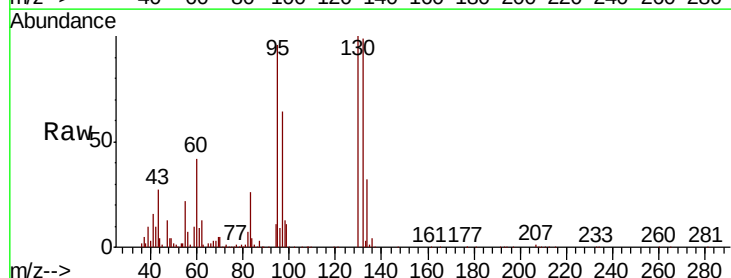
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

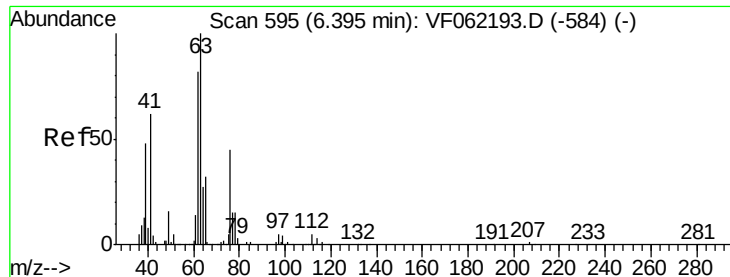
Tgt Ion: 43 Resp: 174302
Ion Ratio Lower Upper
43 100
61 31.8 24.4 36.6
87 0.4 0.4 0.6



#44
Trichloroethene
Concen: 50.831 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 130 Resp: 299908
Ion Ratio Lower Upper
130 100
95 95.9 0.0 191.4

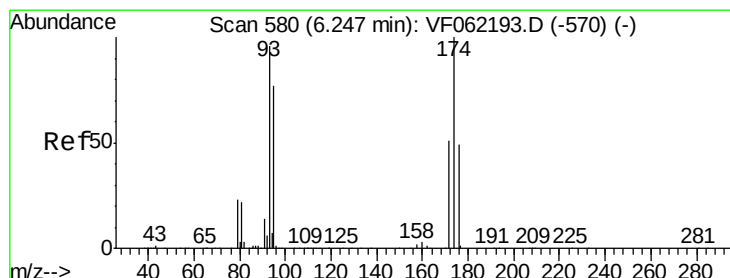
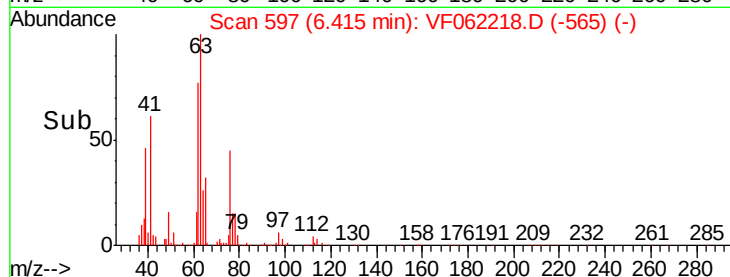
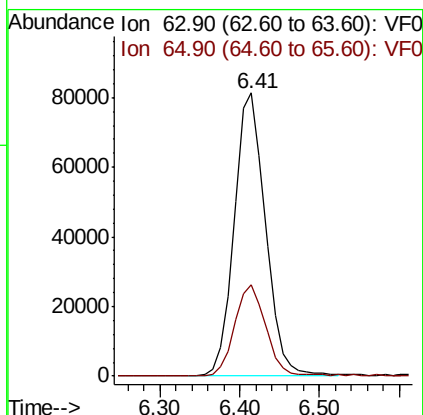
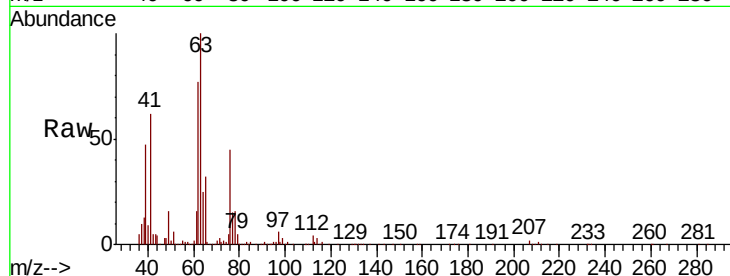




#45
1,2-Dichloropropane
Concen: 46.198 ug/l
RT: 6.41 min Scan# 597
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

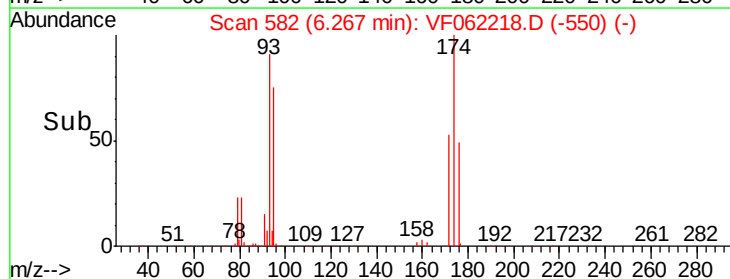
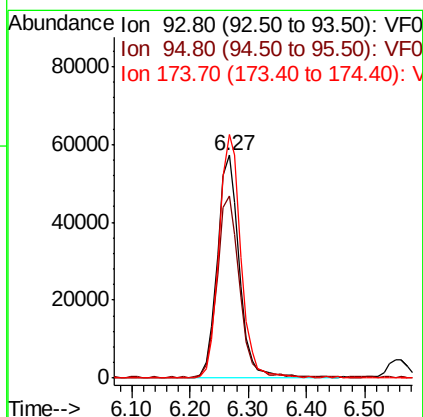
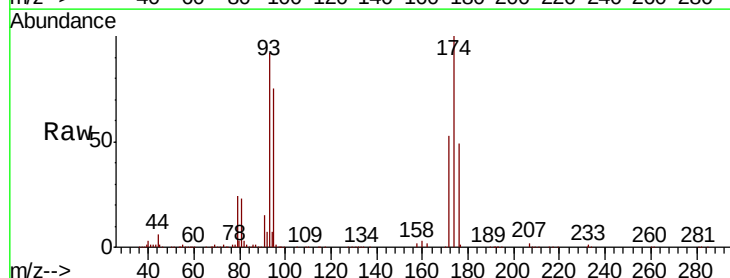
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

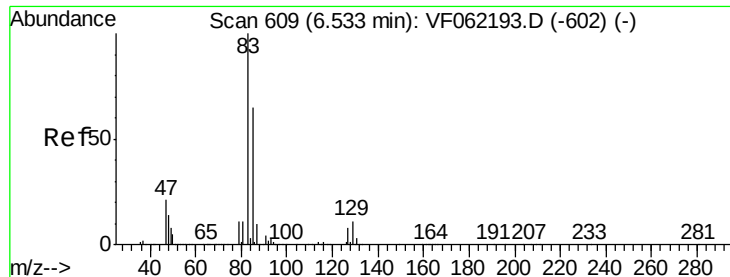
Tgt Ion: 63 Resp: 222192
Ion Ratio Lower Upper
63 100
65 32.1 25.9 38.9



#46
Dibromomethane
Concen: 46.862 ug/l
RT: 6.27 min Scan# 582
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 93 Resp: 149955
Ion Ratio Lower Upper
93 100
95 82.4 65.1 97.7
174 109.0 81.8 122.6





#47

Bromodichloromethane

Concen: 46.113 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

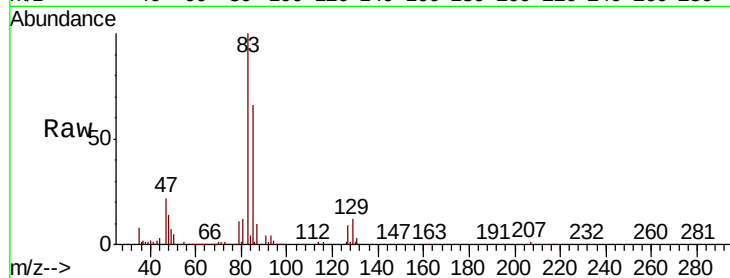
Tgt Ion: 83 Resp: 332982

Ion Ratio Lower Upper

83 100

85 66.3 52.2 78.4

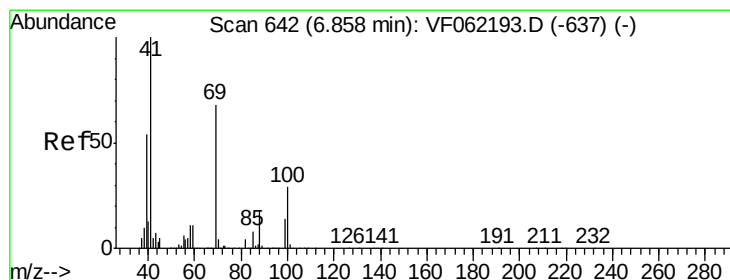
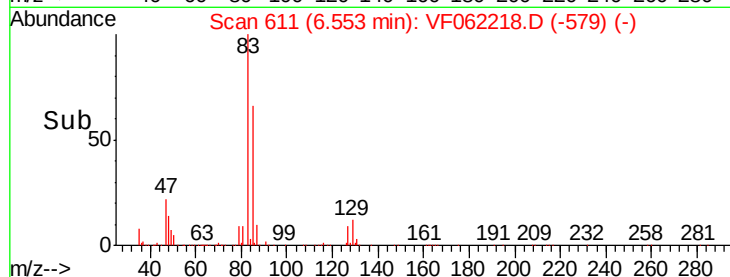
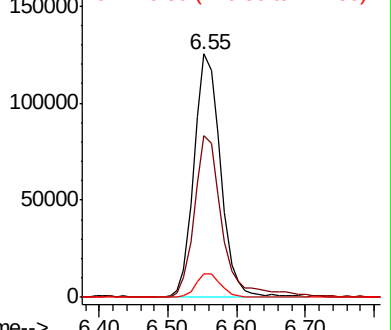
127 9.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 43.674 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

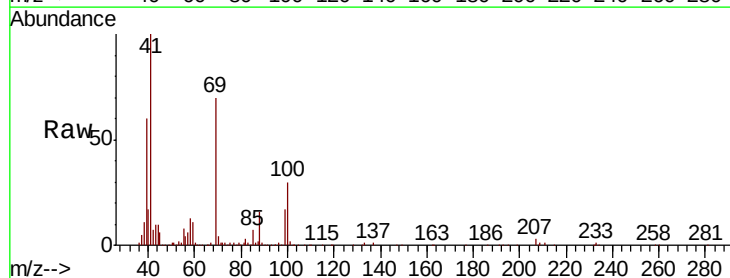
Tgt Ion: 41 Resp: 118579

Ion Ratio Lower Upper

41 100

69 69.8 54.9 82.3

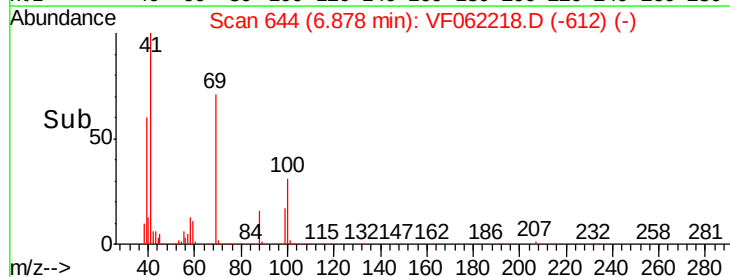
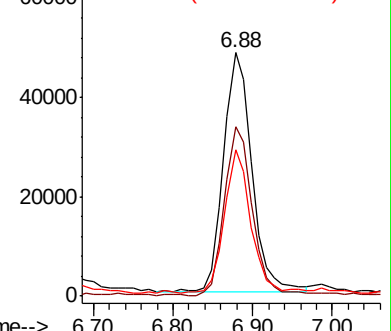
39 54.6 43.6 65.4

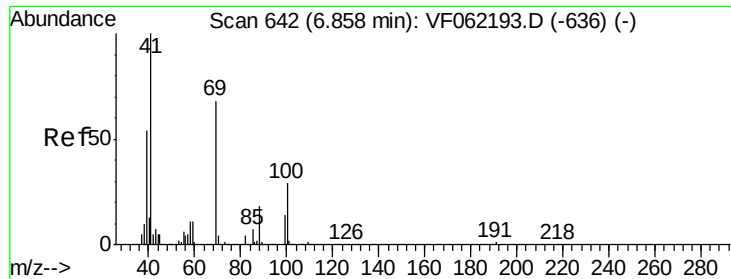


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

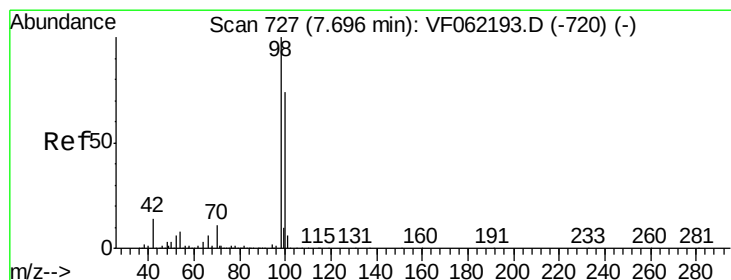
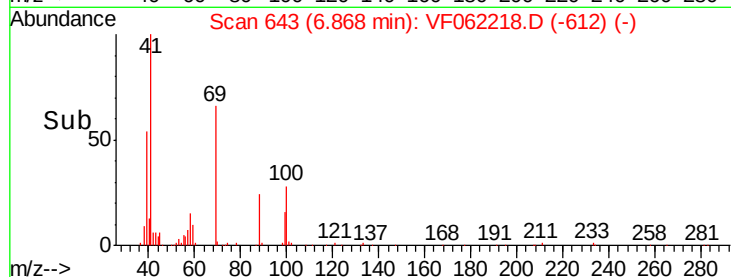
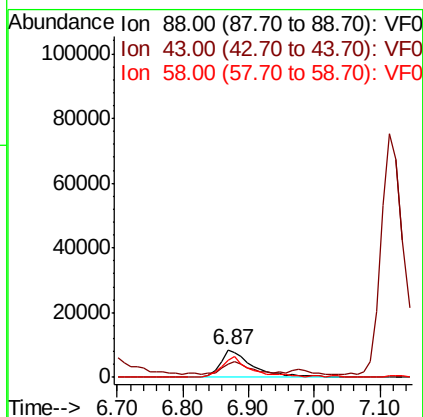
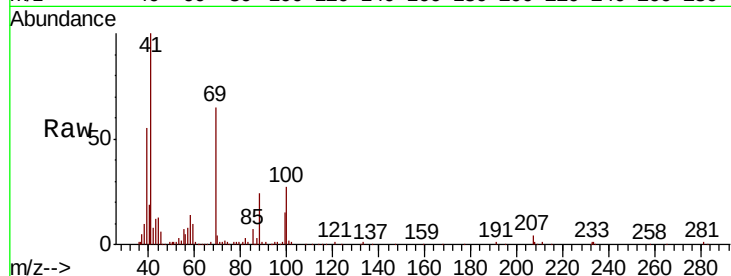




#49
1,4-Dioxane
Concen: 922.990 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

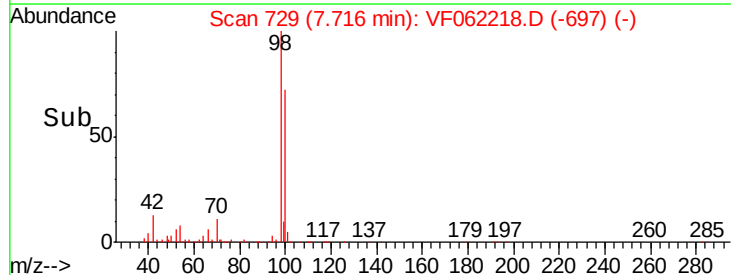
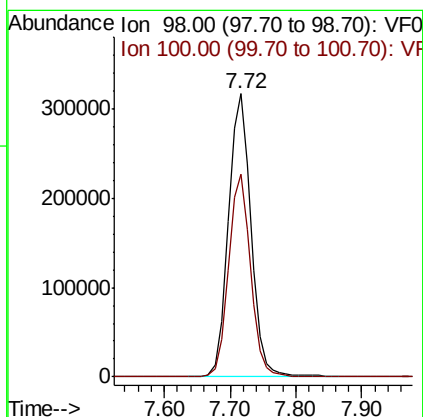
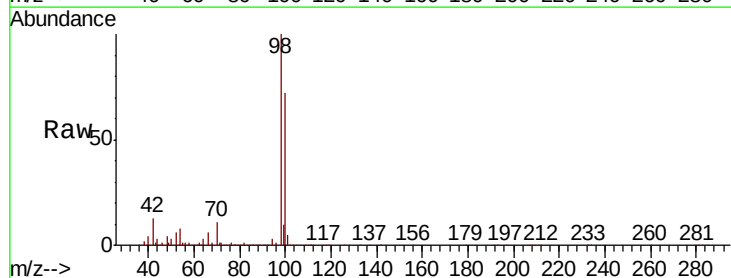
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

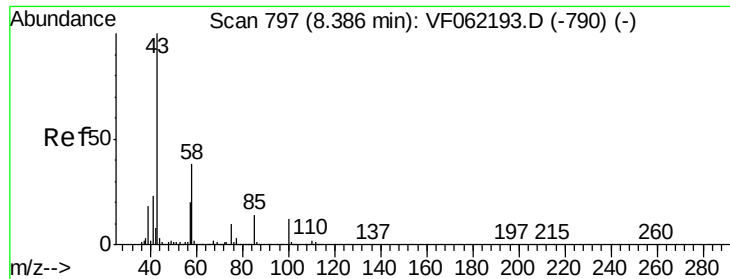
Tgt Ion: 88 Resp: 28740
Ion Ratio Lower Upper
88 100
43 35.9 36.9 55.3#
58 68.2 56.8 85.2



#50
Toluene-d8
Concen: 49.711 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 98 Resp: 764256
Ion Ratio Lower Upper
98 100
100 70.1 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 230.749 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

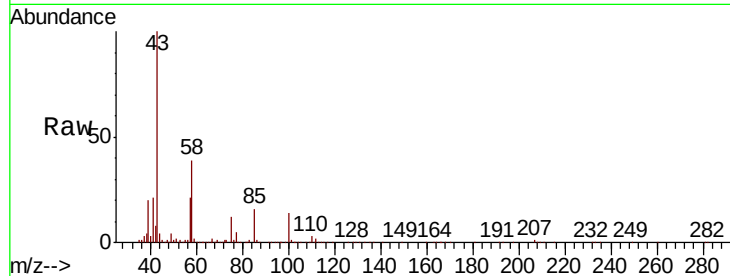
VSTDCCC050

Tgt Ion: 43 Resp: 709062

Ion Ratio Lower Upper

43 100

58 37.2 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

300000

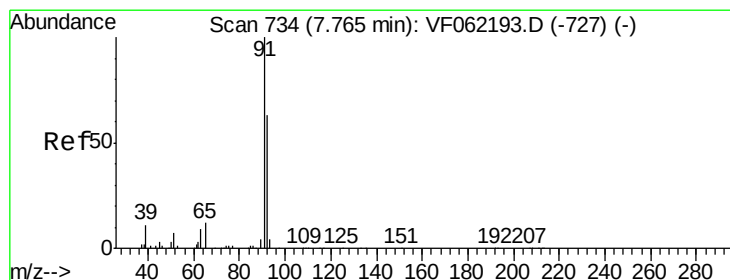
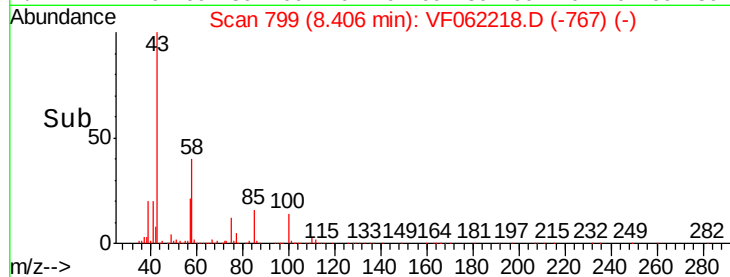
200000

100000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 50.486 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062218.D

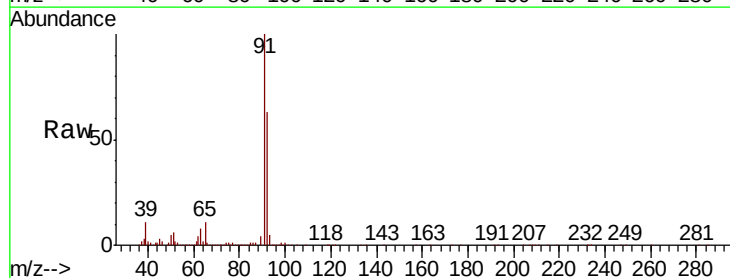
Acq: 19 Apr 2019 10:25

Tgt Ion: 92 Resp: 581061

Ion Ratio Lower Upper

92 100

91 161.6 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

400000

300000

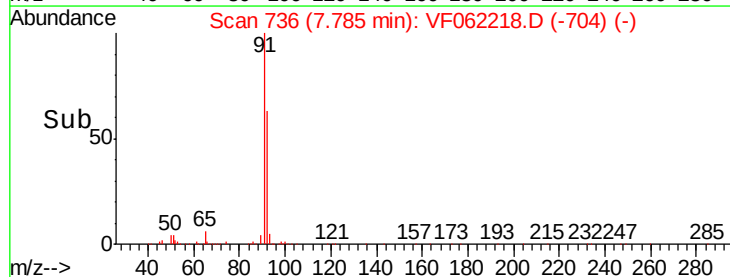
200000

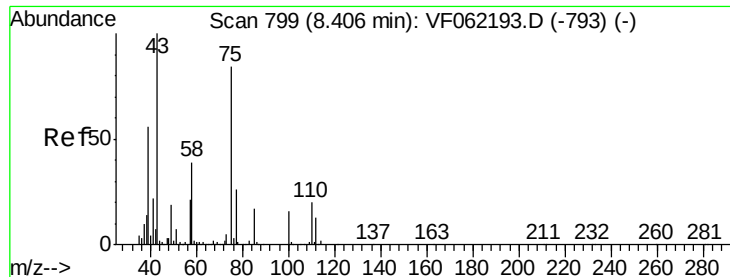
100000

0

7.60 7.80 8.00

Time-->

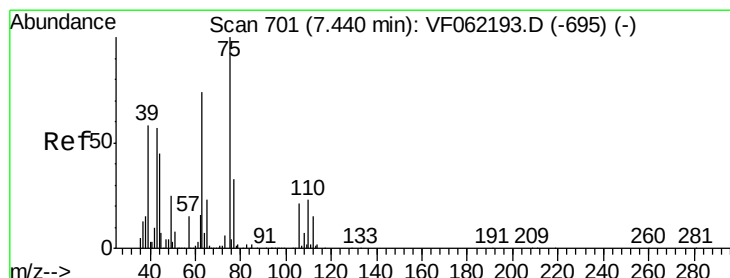
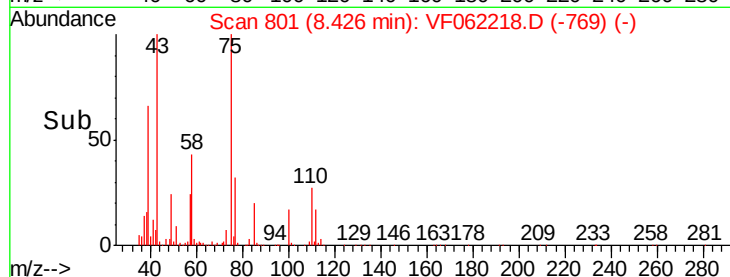
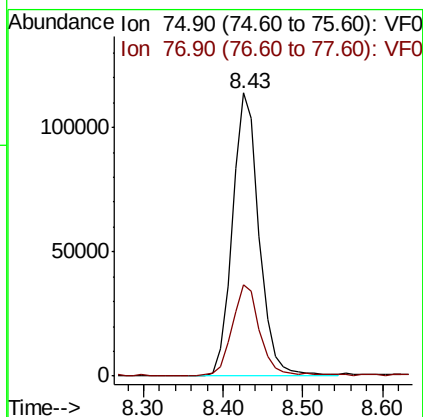
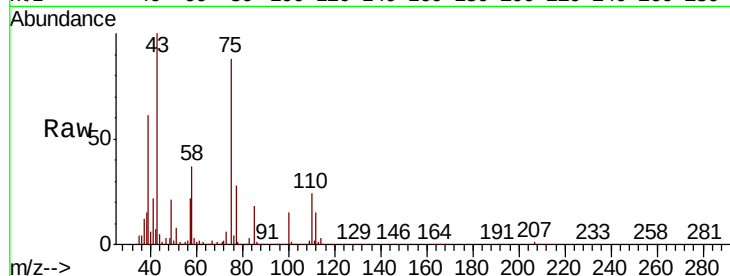




#53
 t-1,3-Dichloropropene
 Concen: 48.871 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

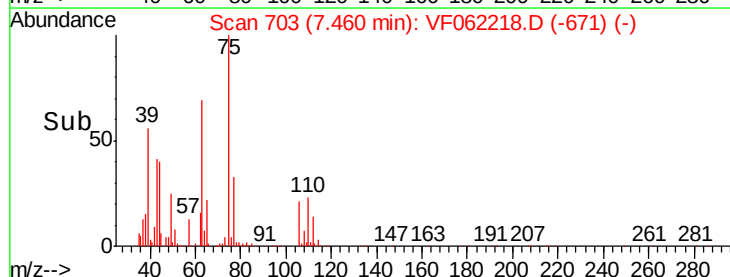
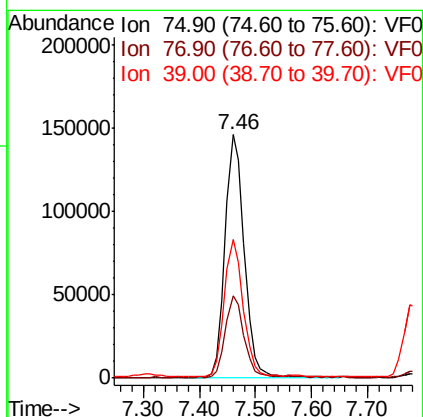
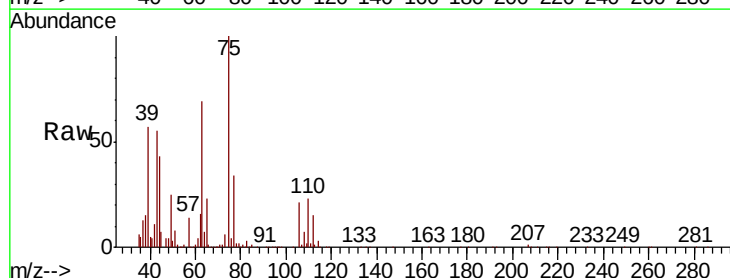
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

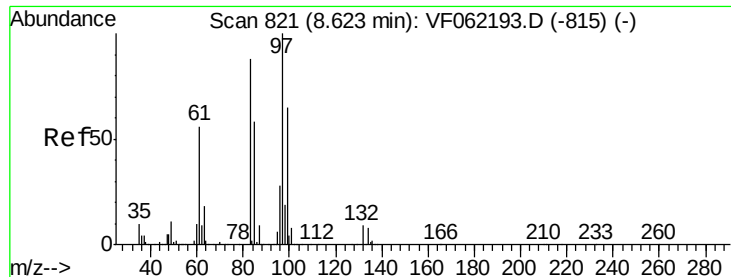
Tgt Ion: 75 Resp: 265058
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 47.635 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion: 75 Resp: 349464
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.4 39.6
 39 56.4 46.7 70.1

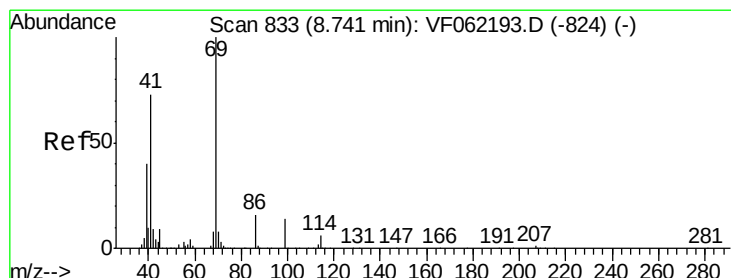
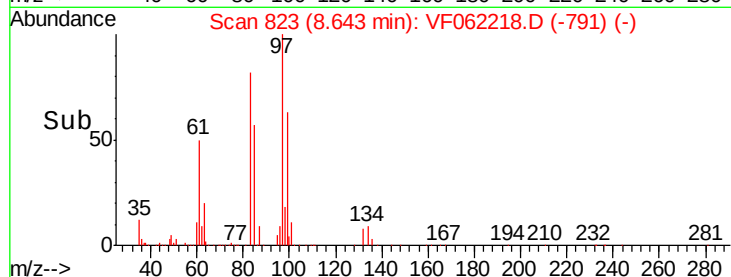
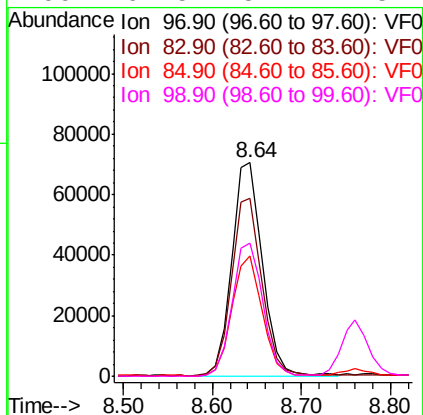
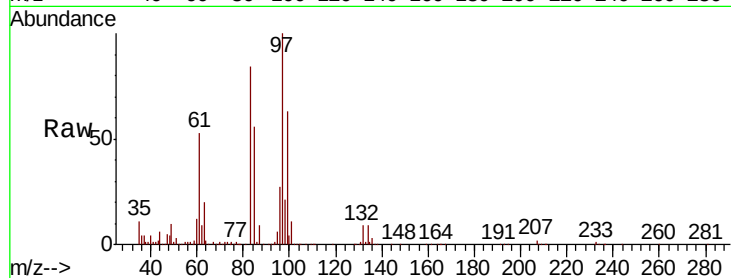




#55
 1,1,2-Trichloroethane
 Concen: 52.525 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

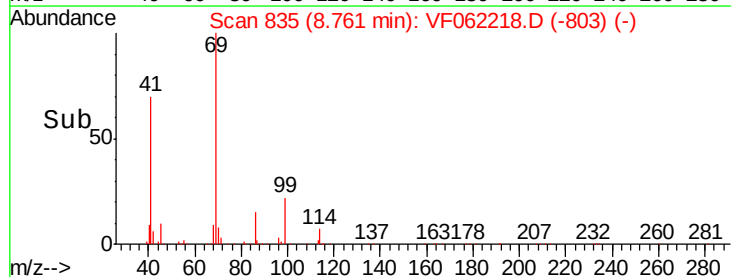
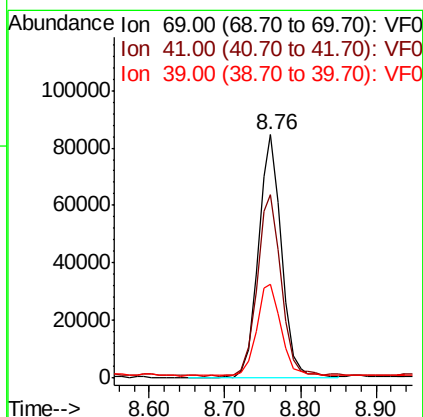
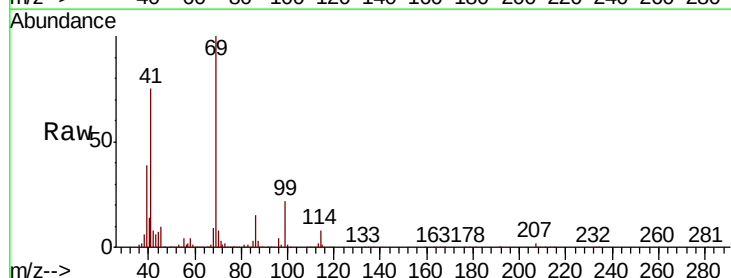
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

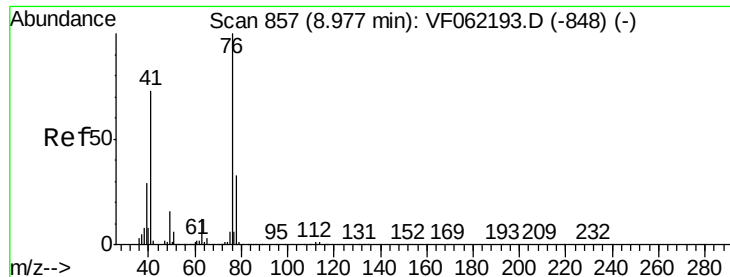
Tgt Ion:	97	Resp:	169355
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.2
85	56.2	46.2	69.4
99	62.5	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 48.932 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion:	69	Resp:	179375
Ion	Ratio	Lower	Upper
69	100		
41	78.4	61.5	92.3
39	39.6	33.3	49.9

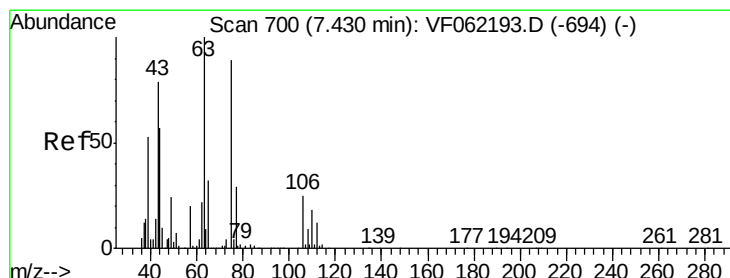
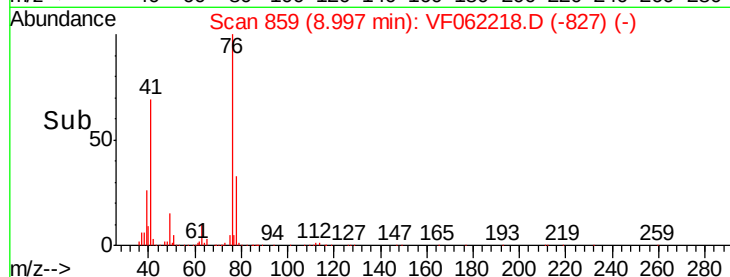
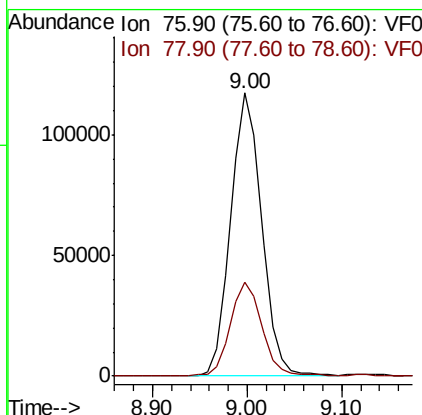
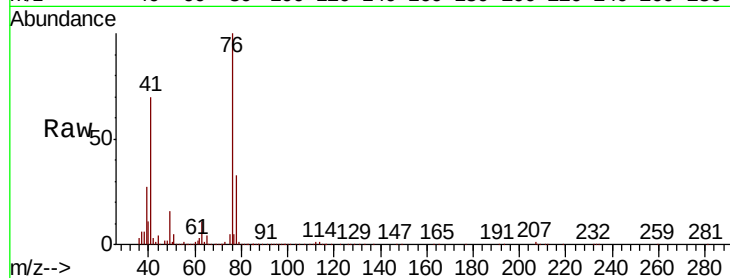




#57
 1,3-Dichloropropane
 Concen: 51.196 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

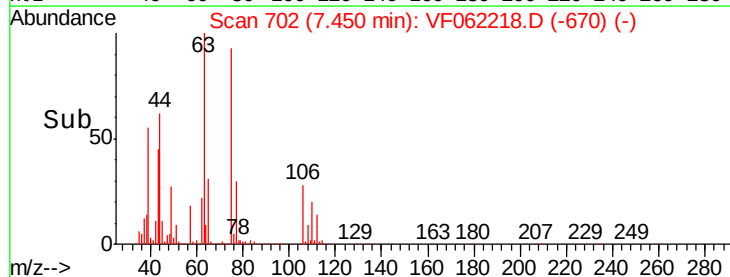
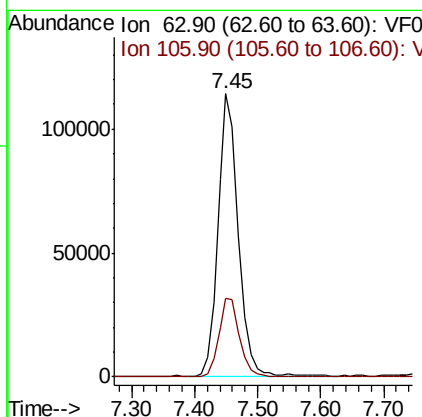
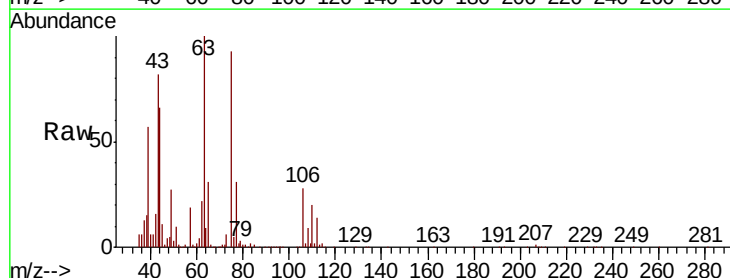
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

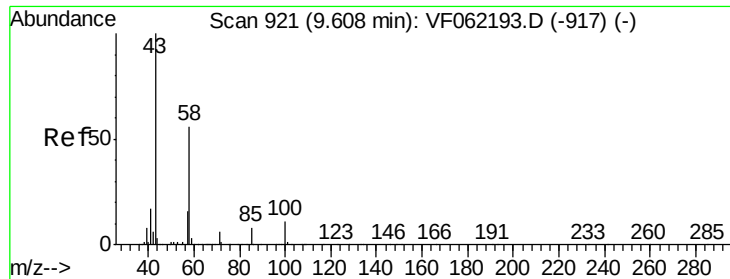
Tgt Ion: 76 Resp: 266549
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.150 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion: 63 Resp: 256659
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.4 32.0

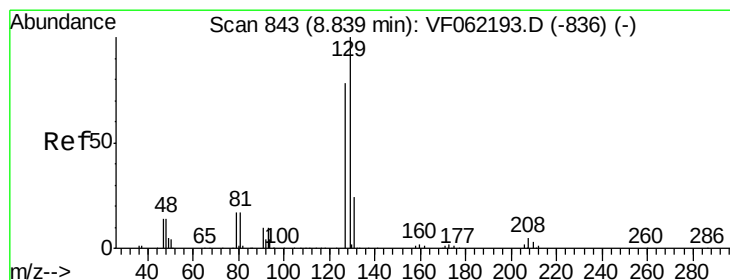
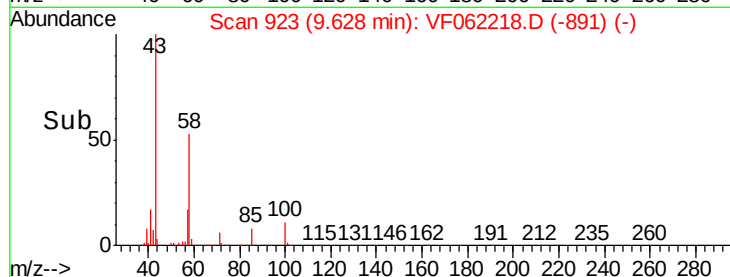
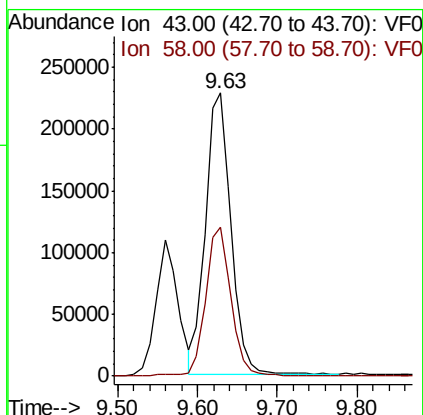
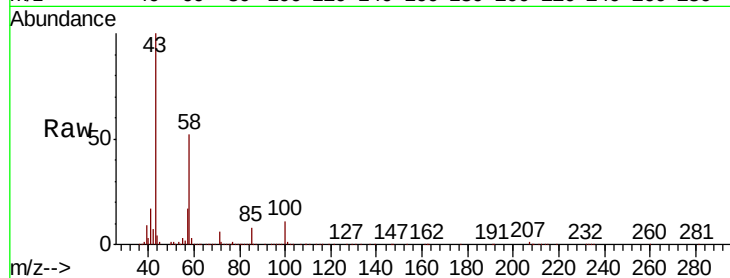




#59
2-Hexanone
Concen: 265.033 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

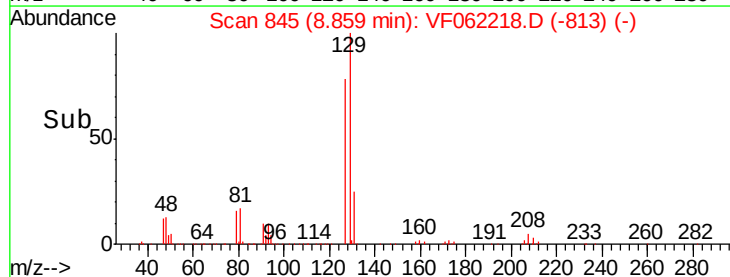
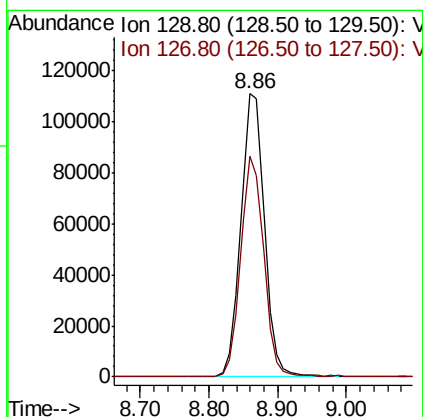
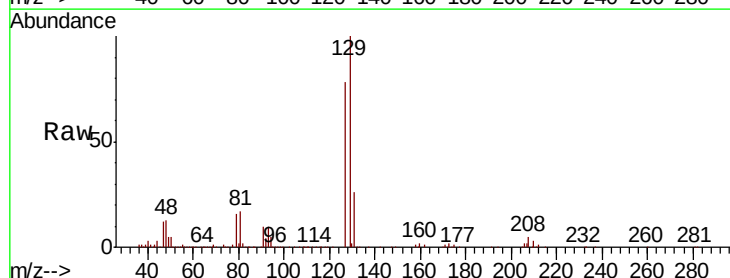
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

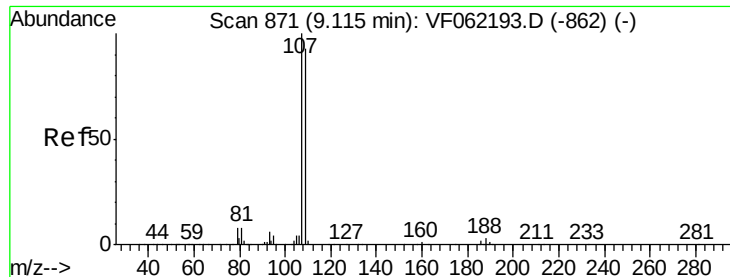
Tgt Ion: 43 Resp: 507883
Ion Ratio Lower Upper
43 100
58 53.1 24.6 74.0



#60
Dibromochloromethane
Concen: 55.092 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion: 129 Resp: 264172
Ion Ratio Lower Upper
129 100
127 76.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 54.085 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

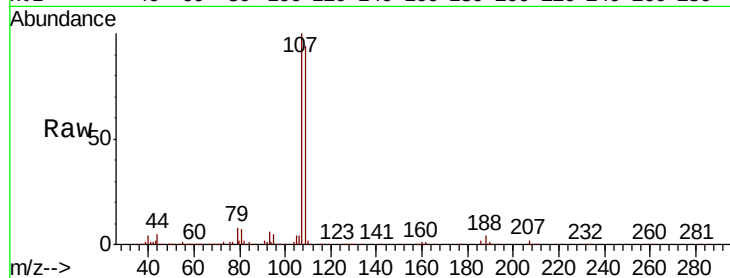
VSTDCCC050

Tgt Ion: 107 Resp: 196465

Ion Ratio Lower Upper

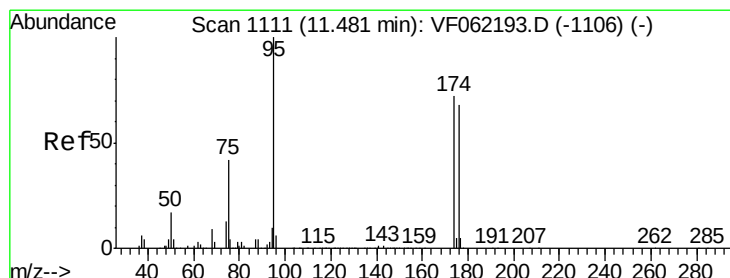
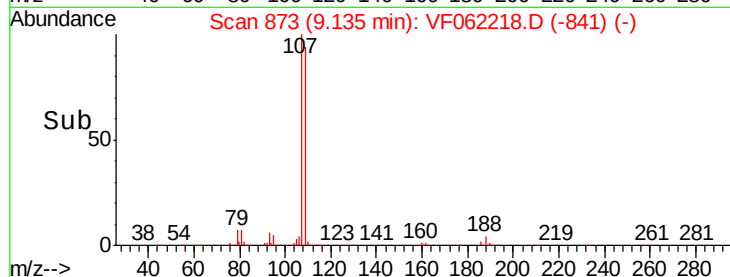
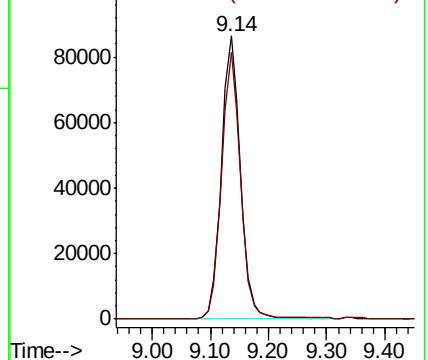
107 100

109 93.6 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.737 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

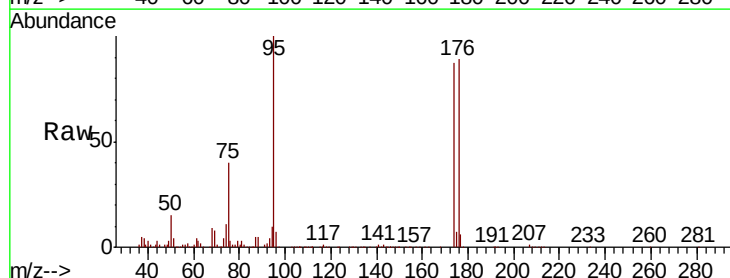
Tgt Ion: 95 Resp: 282326

Ion Ratio Lower Upper

95 100

174 83.4 0.0 159.4

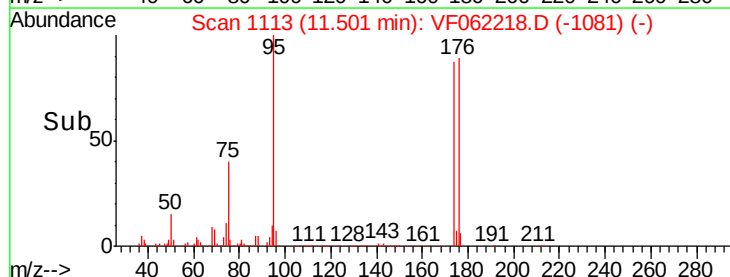
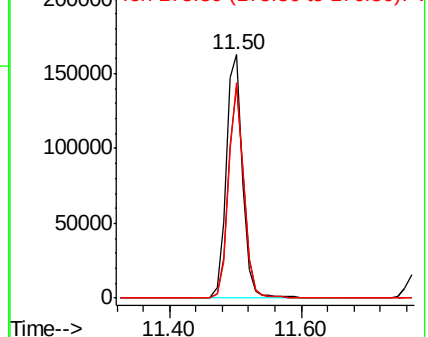
176 83.3 0.0 155.4

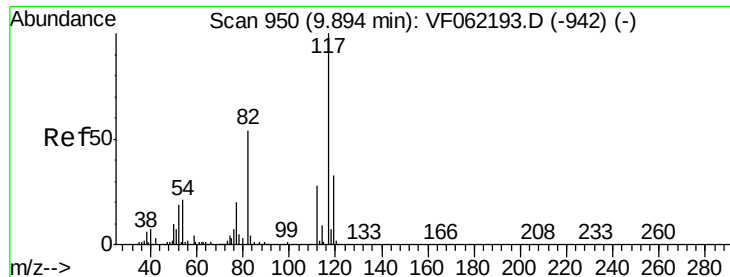


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

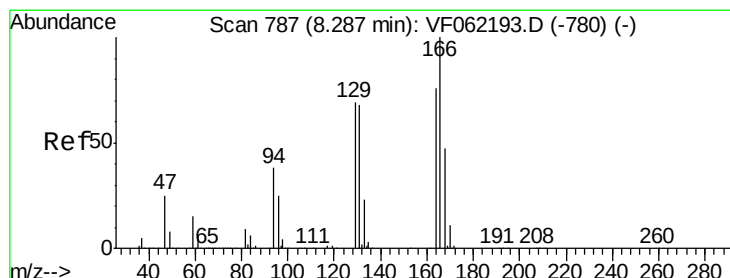
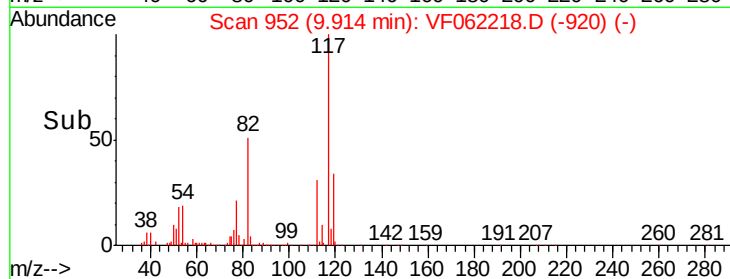
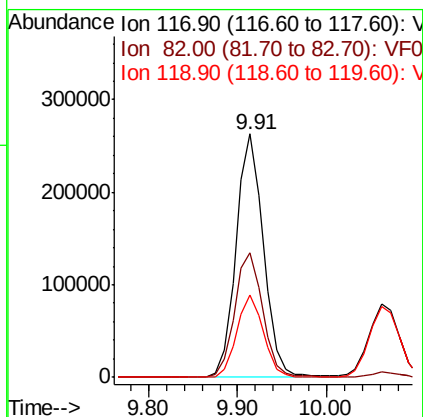
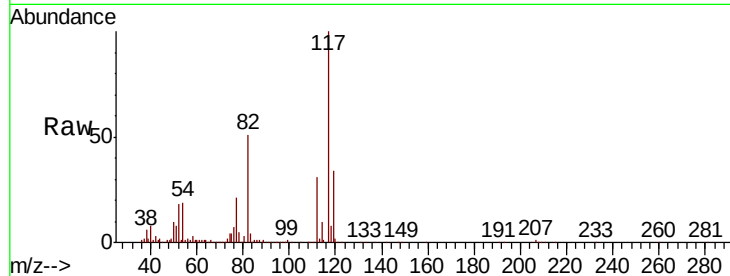




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

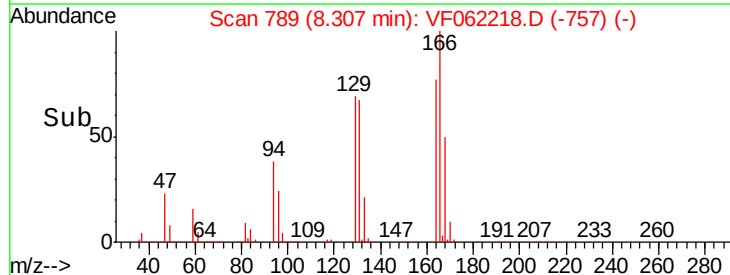
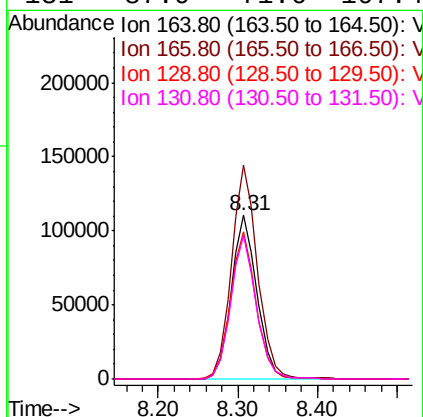
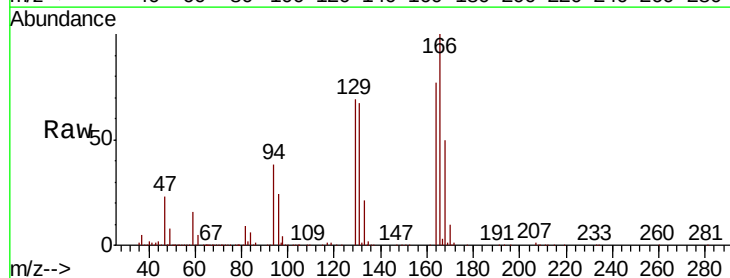
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

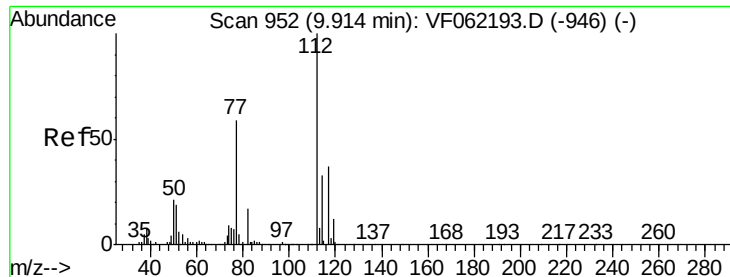
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.2	64.8
119	33.6	26.2	39.4



#64
Tetrachloroethene
Concen: 48.670 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	104.7	157.1
129	89.6	72.6	109.0
131	87.9	71.6	107.4





#65

Chlorobenzene

Concen: 50.098 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

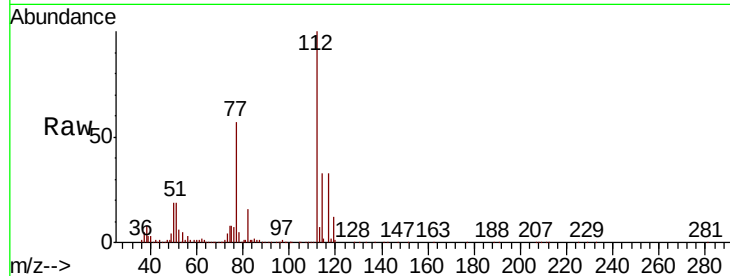
VSTDCCC050

Tgt Ion:112 Resp: 601411

Ion Ratio Lower Upper

112 100

114 33.2 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.93

300000

250000

200000

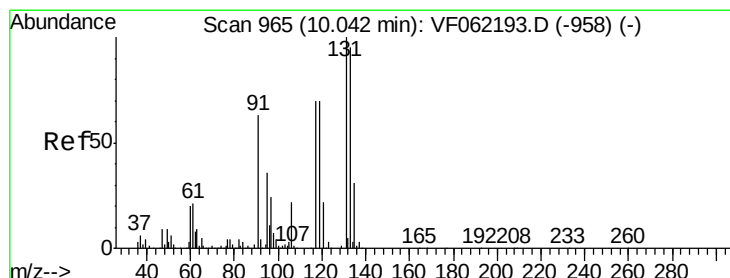
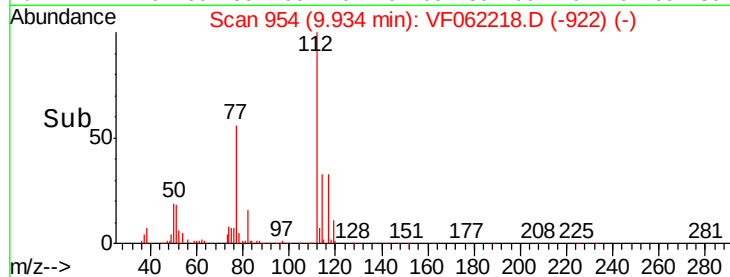
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 45.862 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

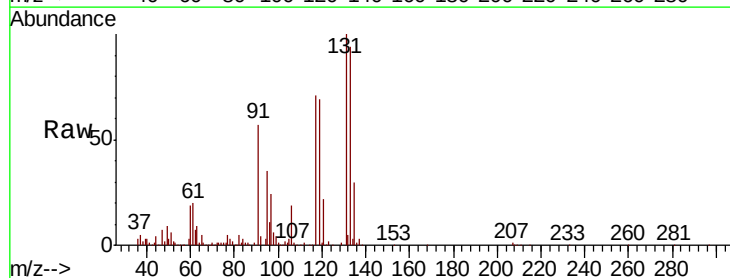
Tgt Ion:131 Resp: 257825

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

119 70.1 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

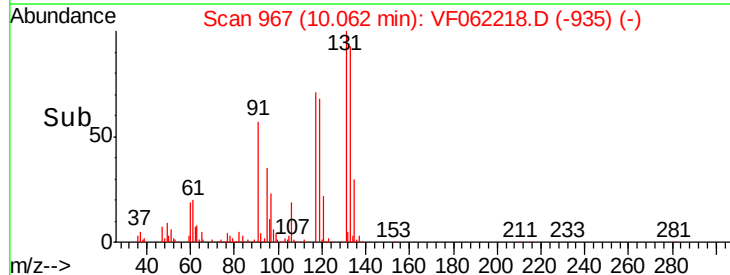
150000

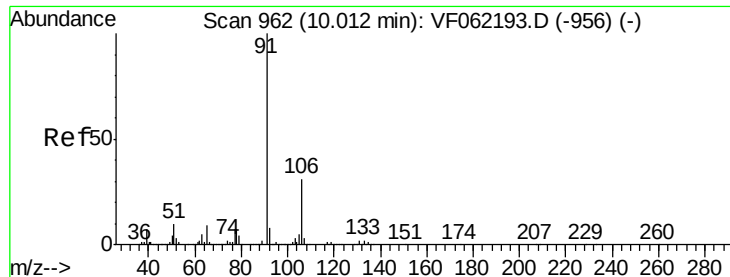
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 46.165 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

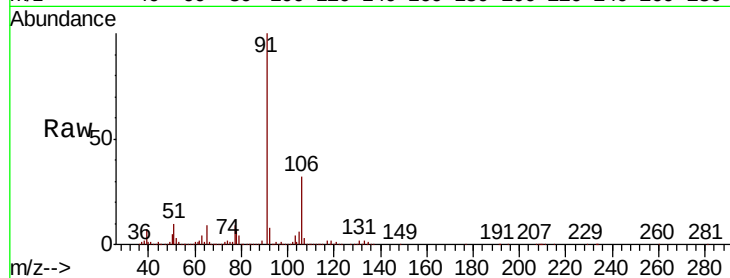
VSTDCCC050

Tgt Ion: 91 Resp: 1007736

Ion Ratio Lower Upper

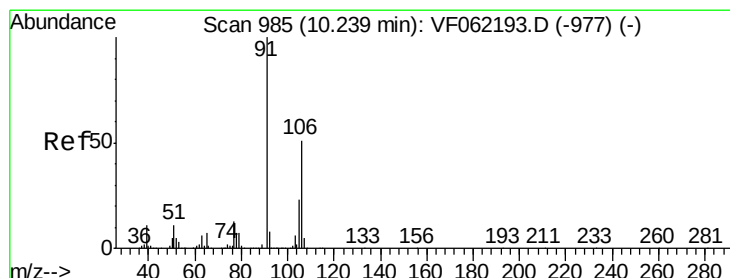
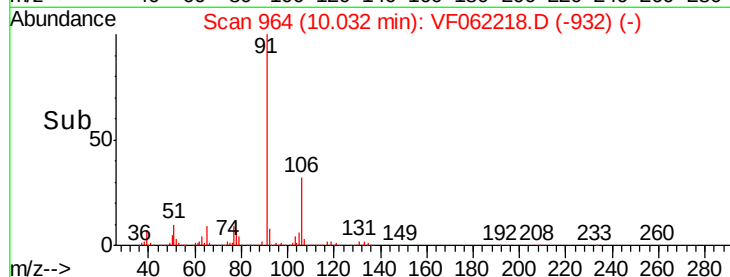
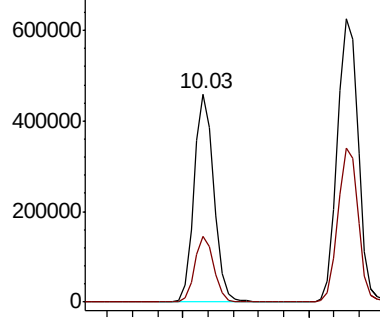
91 100

106 31.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 94.025 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062218.D

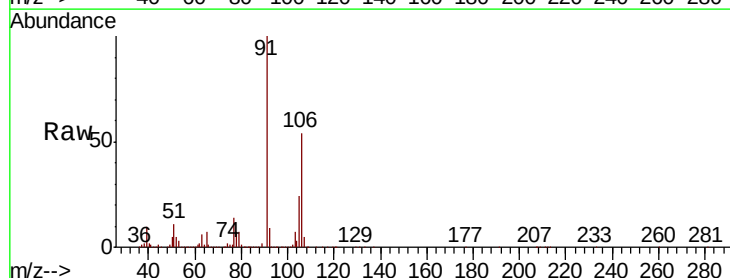
Acq: 19 Apr 2019 10:25

Tgt Ion: 106 Resp: 755561

Ion Ratio Lower Upper

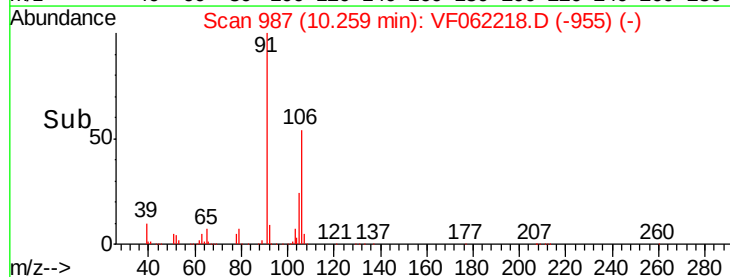
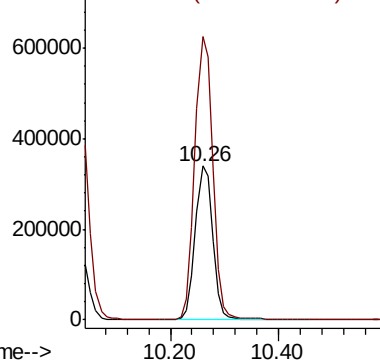
106 100

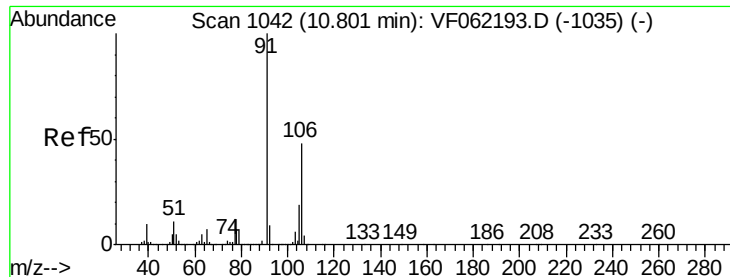
91 190.1 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

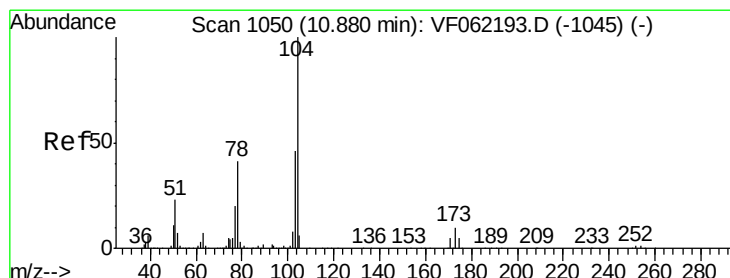
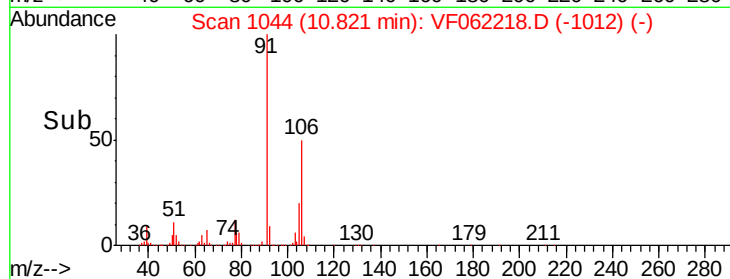
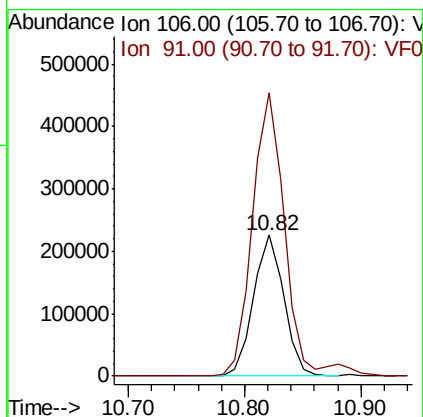
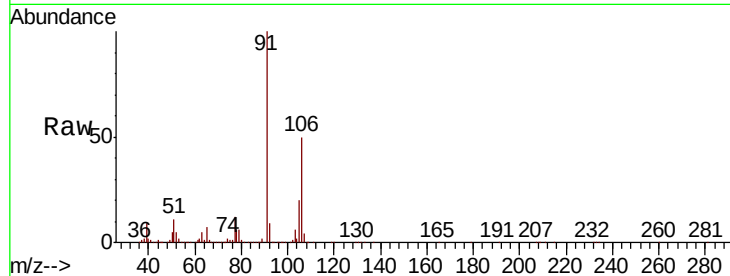




#69
o-Xylene
Concen: 45.769 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

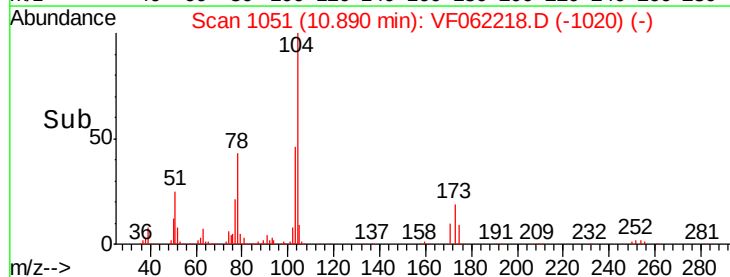
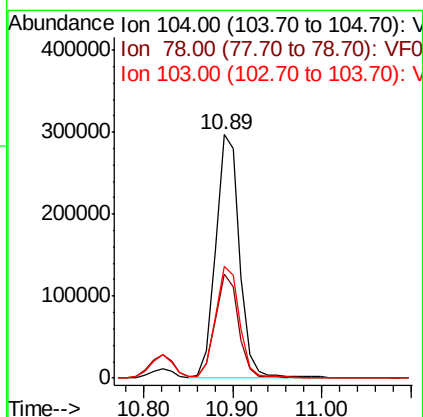
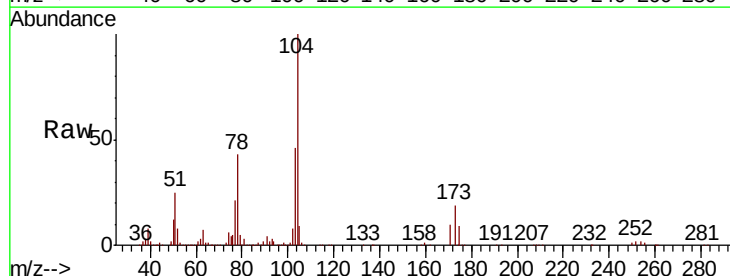
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

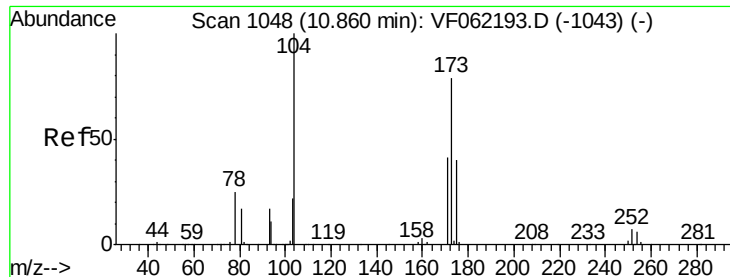
Tgt Ion:106 Resp: 408349
Ion Ratio Lower Upper
106 100
91 215.6 107.5 322.4



#70
Styrene
Concen: 43.958 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion:104 Resp: 553463
Ion Ratio Lower Upper
104 100
78 41.4 34.5 51.7
103 47.1 37.2 55.8





#71

Bromoform

Concen: 46.623 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

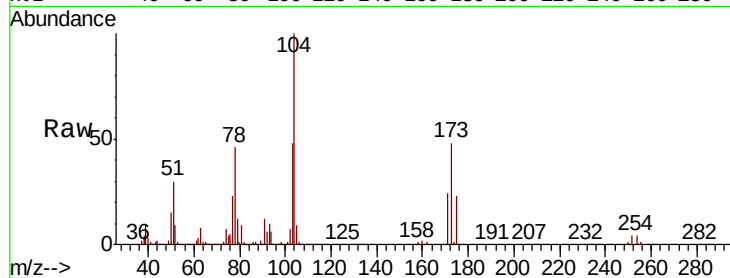
Tgt Ion:173 Resp: 138383

Ion Ratio Lower Upper

173 100

175 48.0 24.5 73.5

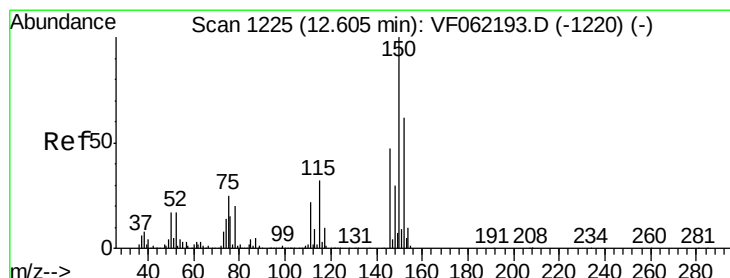
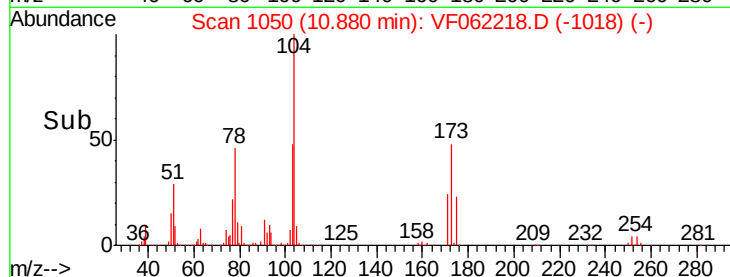
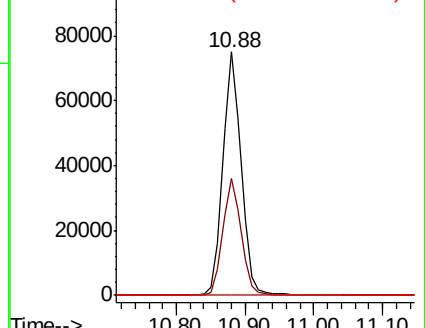
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

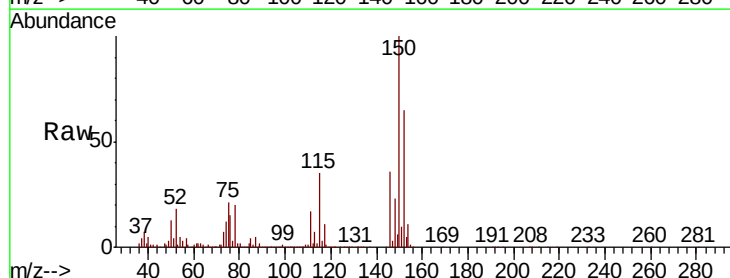
Tgt Ion:152 Resp: 276233

Ion Ratio Lower Upper

152 100

115 53.5 27.8 83.3

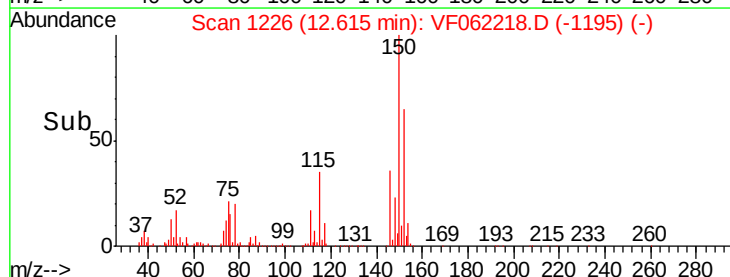
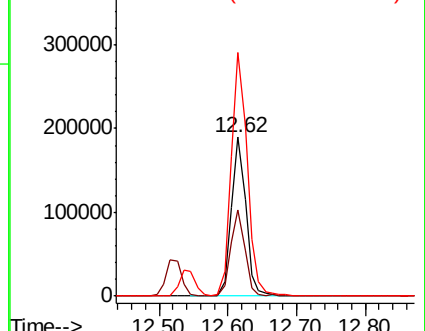
150 169.5 0.0 341.8

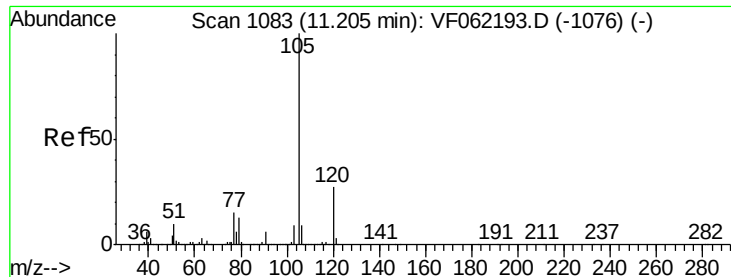


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.292 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

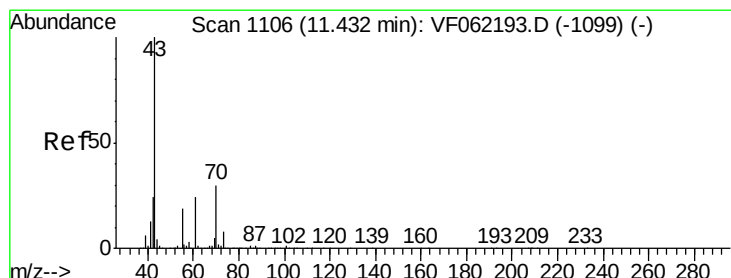
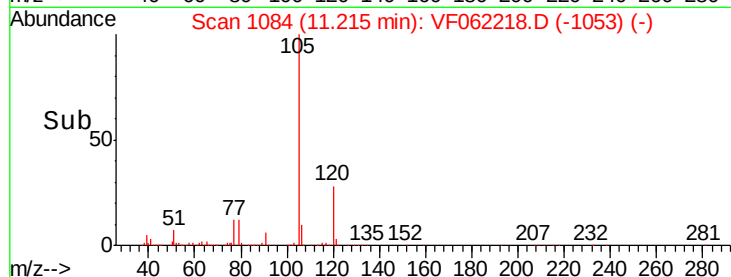
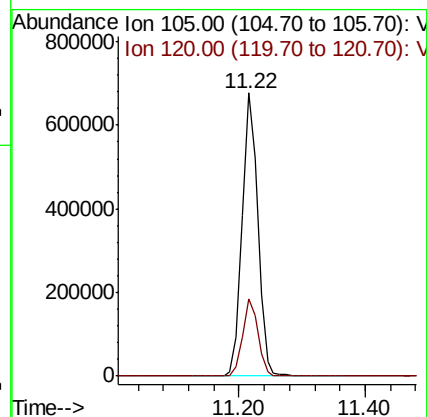
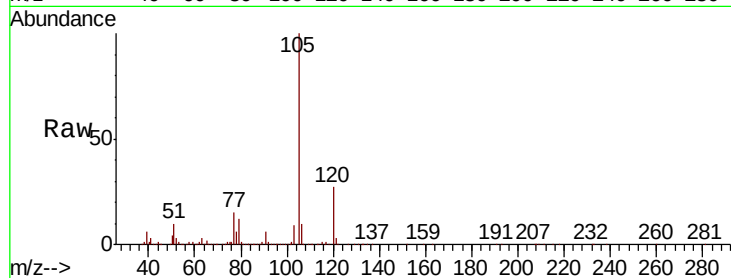
VSTDCCC050

Tgt Ion: 105 Resp: 1145905

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9



#74

N-ethyl acetate

Concen: 43.896 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Tgt Ion: 43 Resp: 248646

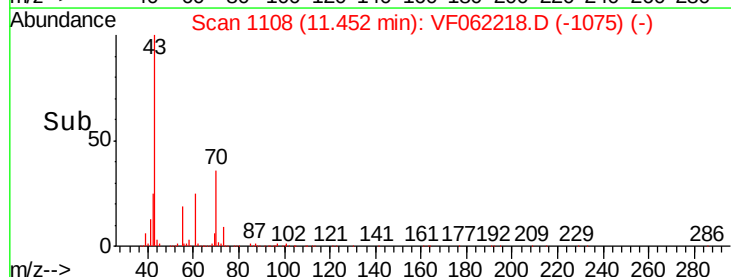
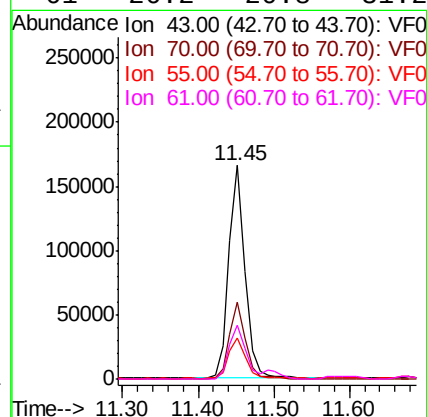
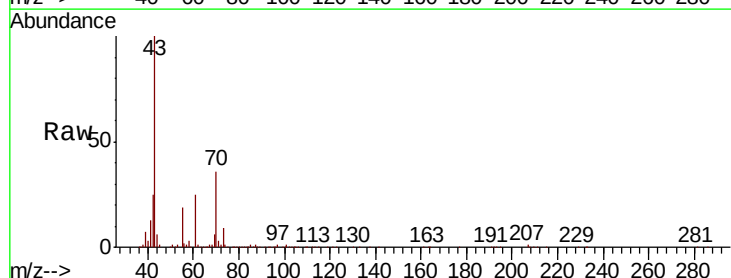
Ion Ratio Lower Upper

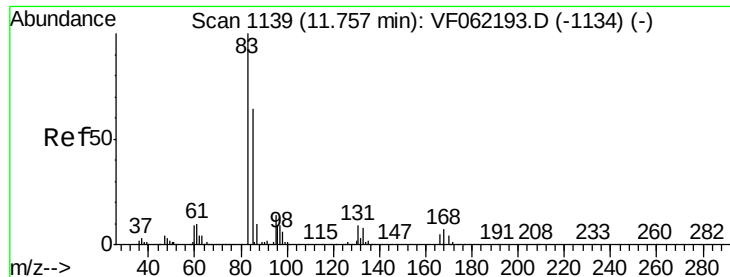
43 100

70 35.8 27.0 40.4

55 19.9 15.7 23.5

61 26.2 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.028 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

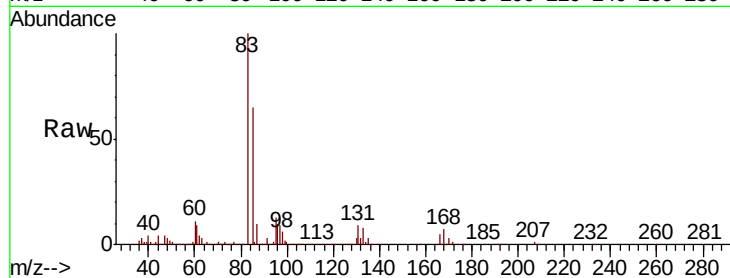
Tgt Ion: 83 Resp: 195991

Ion Ratio Lower Upper

83 100

131 10.2 4.5 13.5

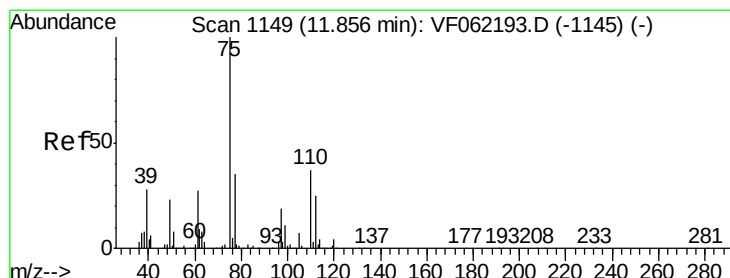
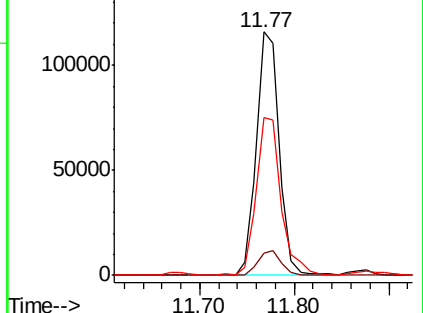
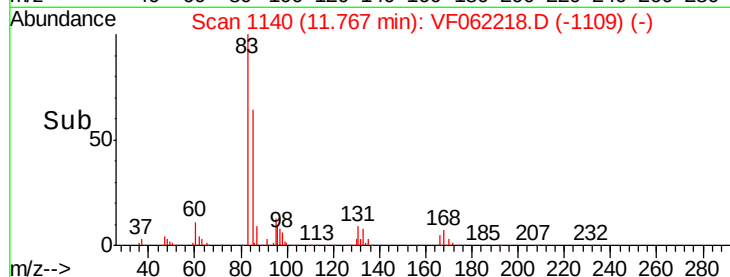
85 69.5 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 47.033 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062218.D

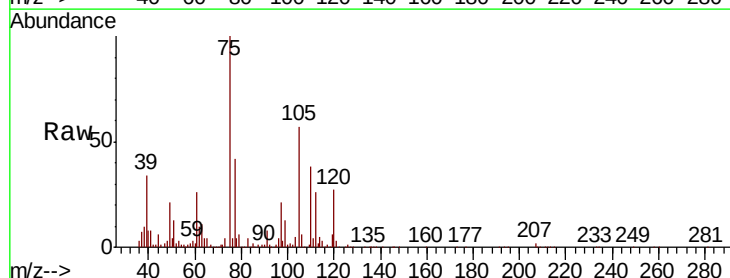
Acq: 19 Apr 2019 10:25

Tgt Ion: 75 Resp: 132049

Ion Ratio Lower Upper

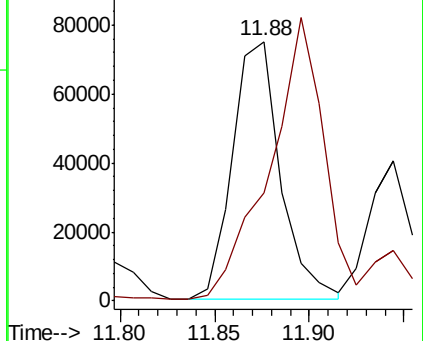
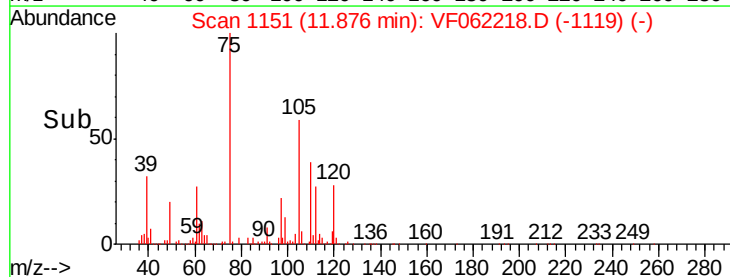
75 100

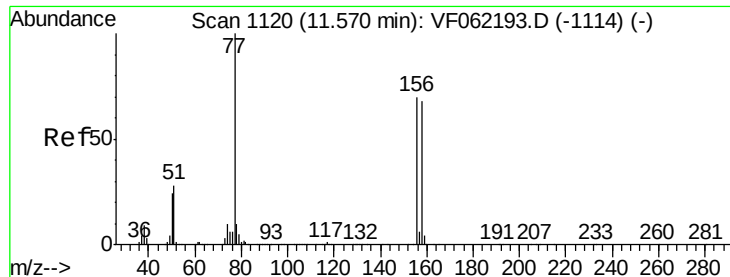
77 122.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.651 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

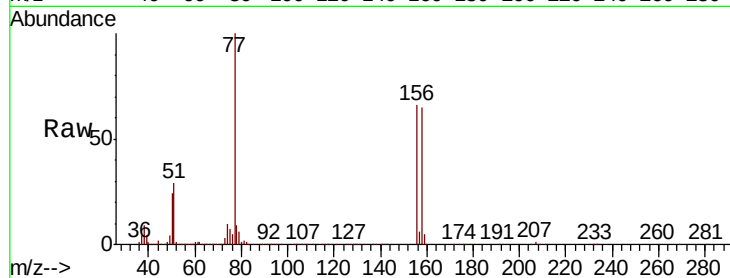
Tgt Ion: 156 Resp: 262550

Ion Ratio Lower Upper

156 100

77 149.6 80.9 242.7

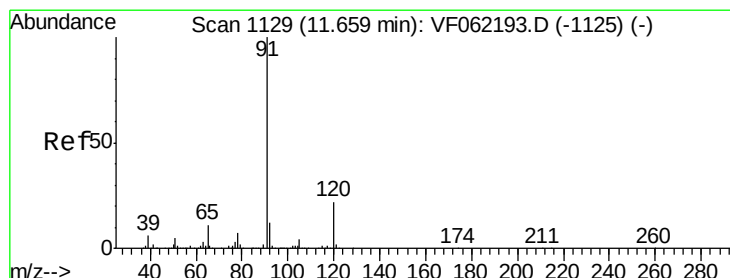
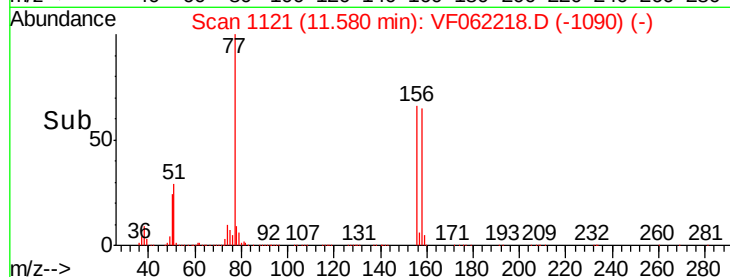
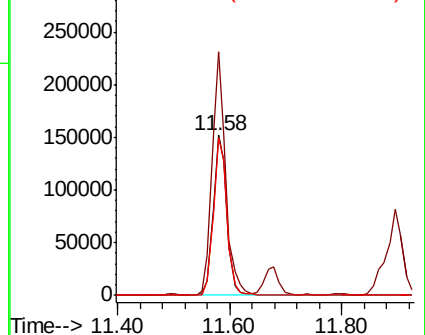
158 97.6 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.435 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062218.D

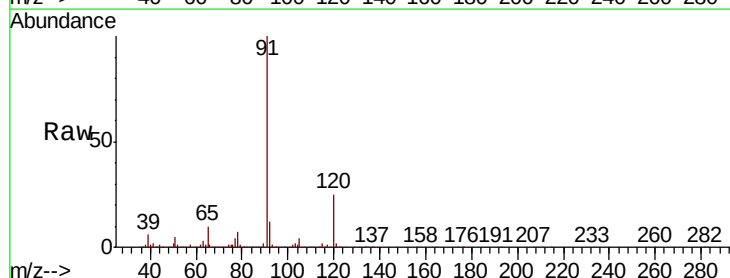
Acq: 19 Apr 2019 10:25

Tgt Ion: 91 Resp: 1162350

Ion Ratio Lower Upper

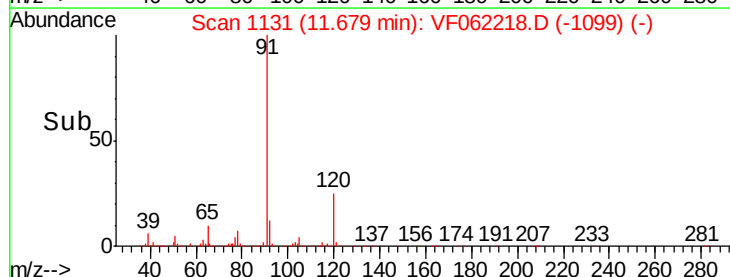
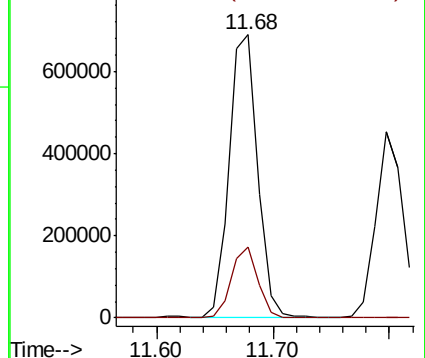
91 100

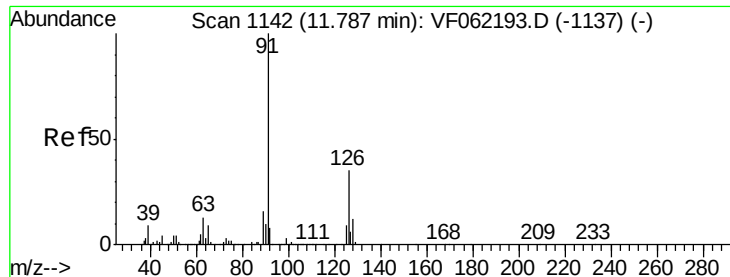
120 23.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.503 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

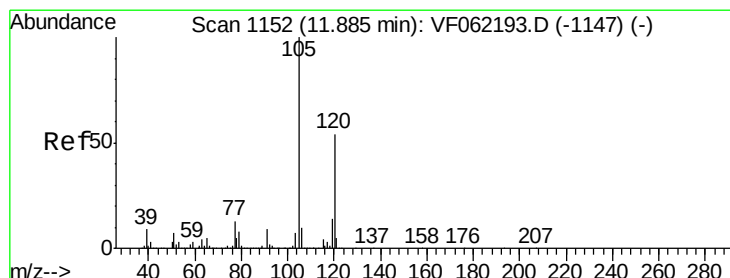
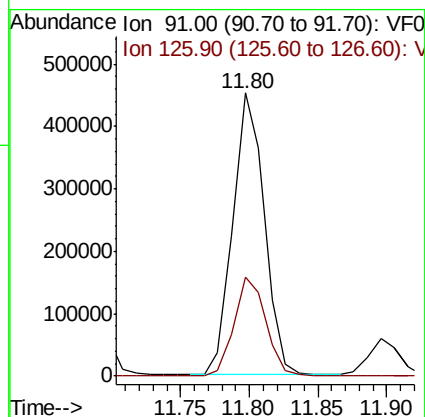
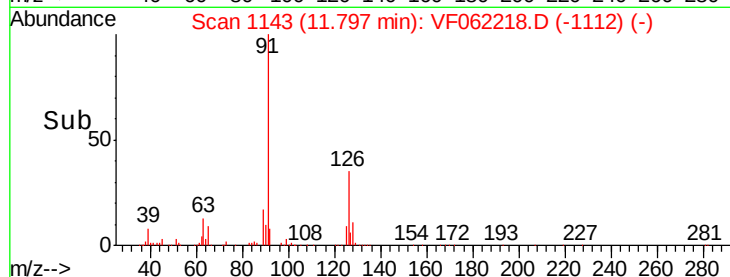
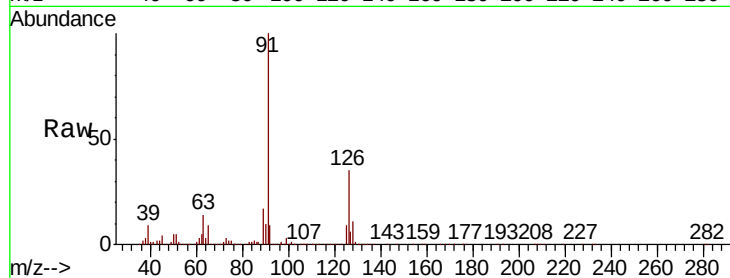
VSTDCCC050

Tgt Ion: 91 Resp: 721297

Ion Ratio Lower Upper

91 100

126 35.6 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 47.450 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062218.D

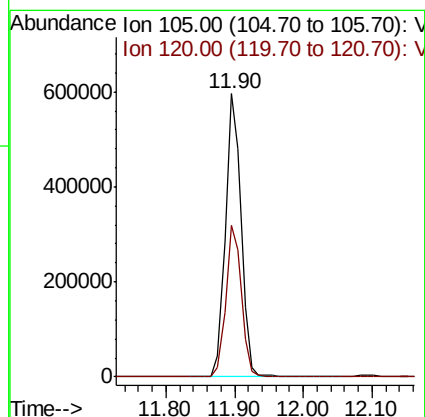
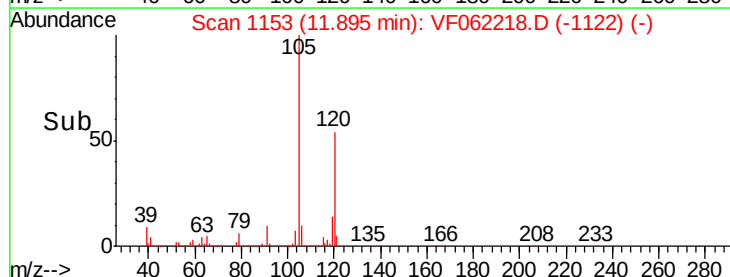
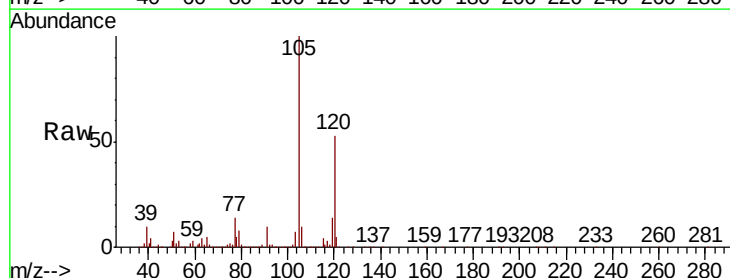
Acq: 19 Apr 2019 10:25

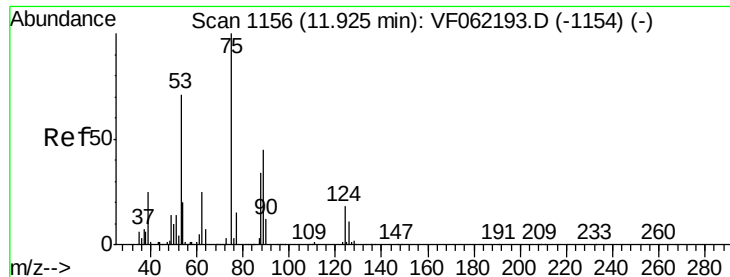
Tgt Ion: 105 Resp: 937752

Ion Ratio Lower Upper

105 100

120 53.1 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 56.724 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

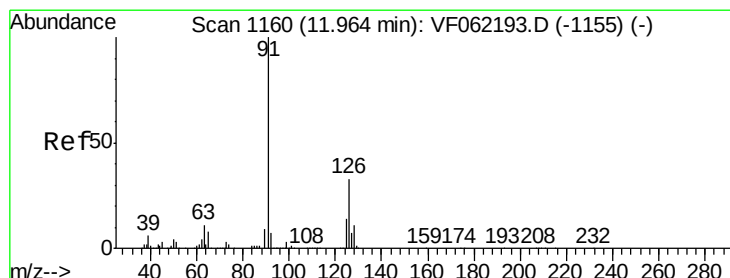
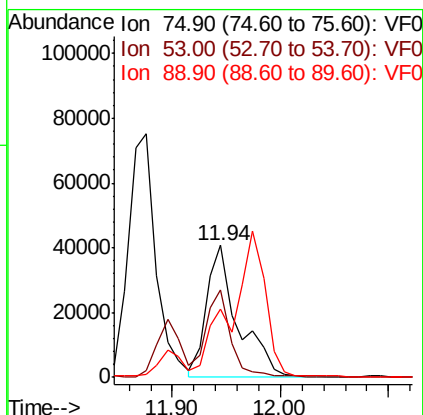
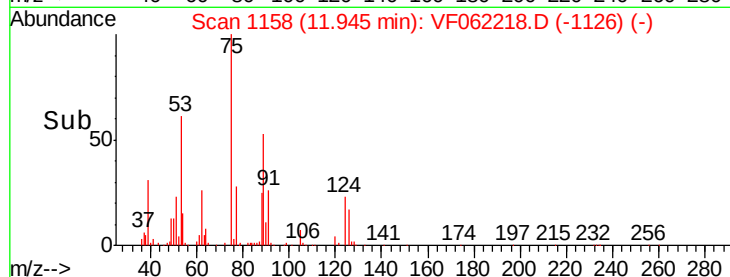
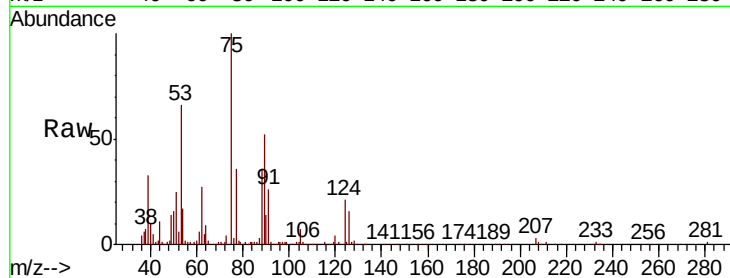
Tgt Ion: 75 Resp: 81221

Ion Ratio Lower Upper

75 100

53 51.8 50.2 75.4

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 46.490 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062218.D

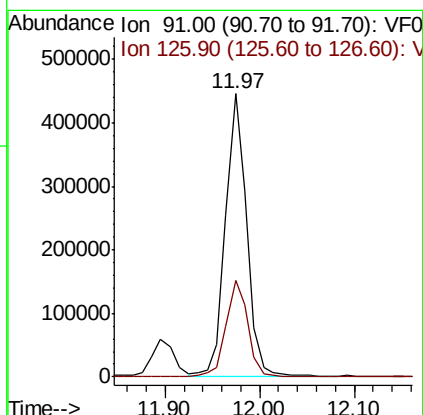
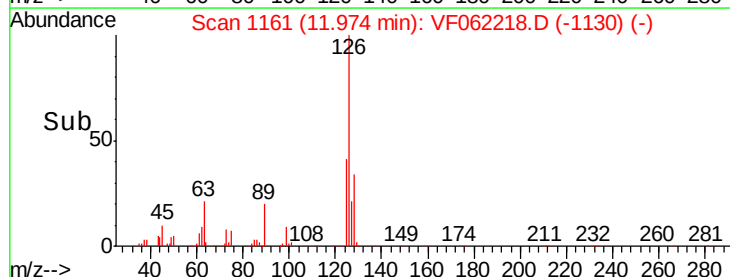
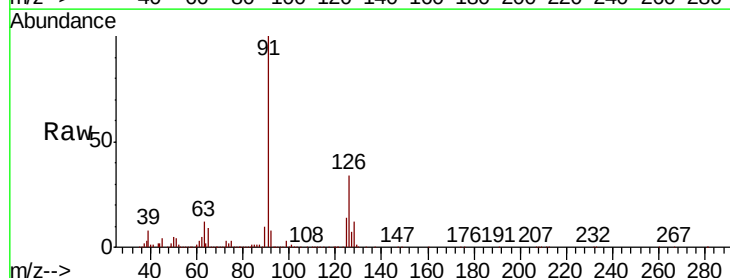
Acq: 19 Apr 2019 10:25

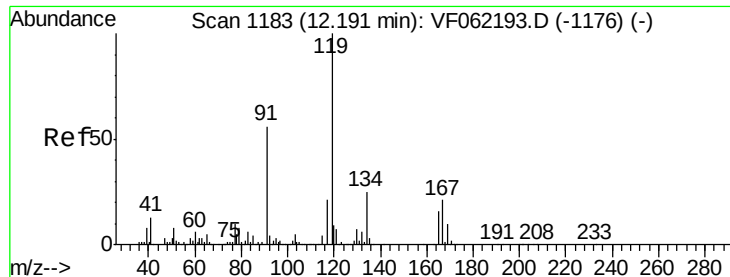
Tgt Ion: 91 Resp: 682209

Ion Ratio Lower Upper

91 100

126 35.6 16.9 50.6

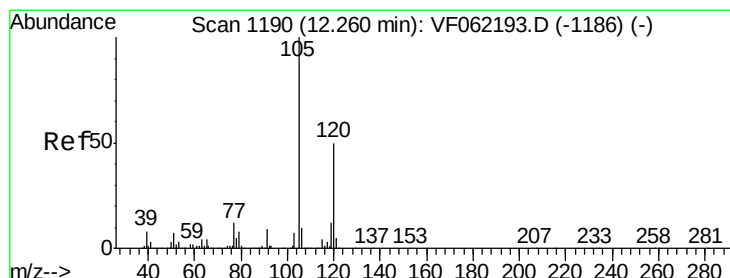
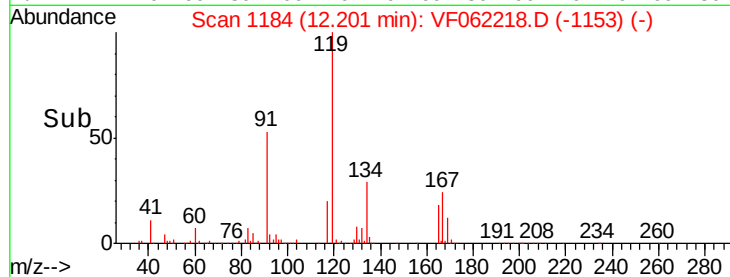
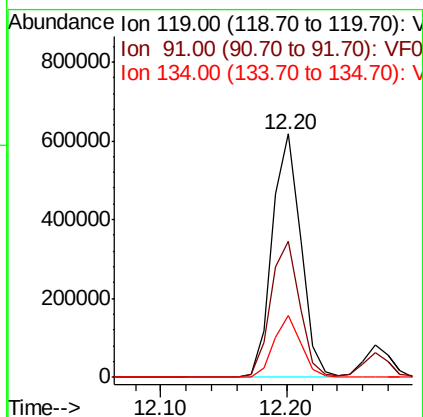
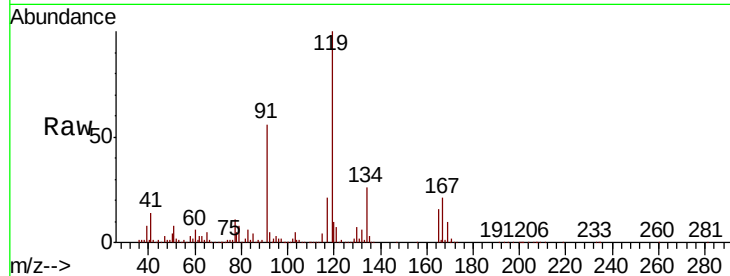




#83
 tert-Butylbenzene
 Concen: 47.832 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

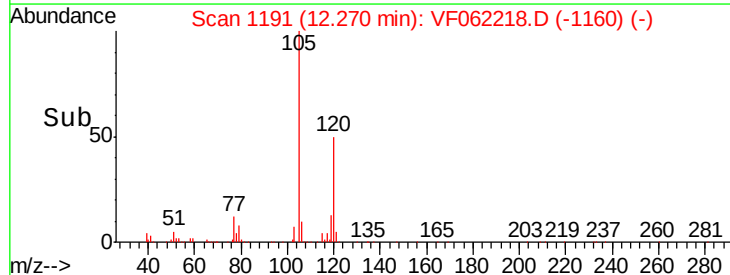
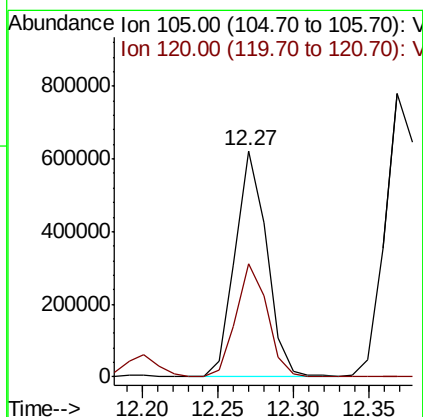
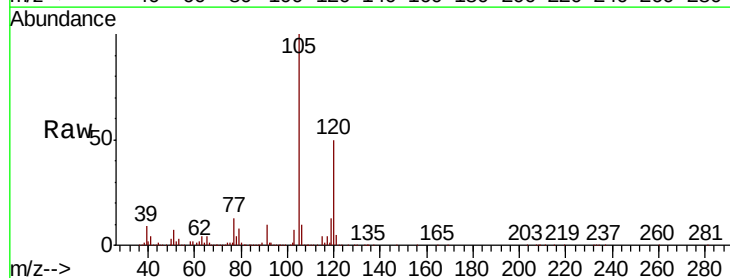
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

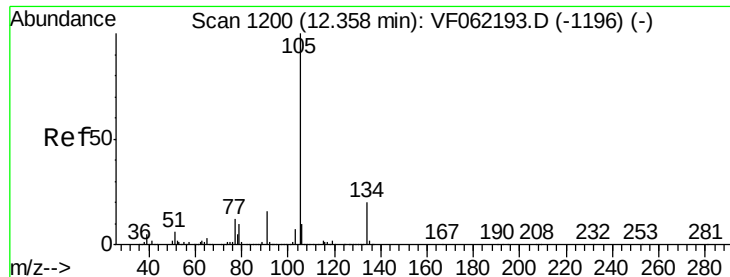
Tgt Ion:119 Resp: 977571
 Ion Ratio Lower Upper
 119 100
 91 56.4 29.4 88.2
 134 24.2 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 47.363 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion:105 Resp: 905801
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.0 72.0





#85

sec-Butylbenzene

Concen: 46.065 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

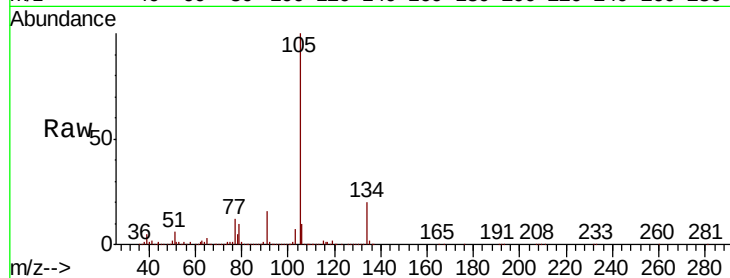
VSTDCCC050

Tgt Ion:105 Resp: 1222271

Ion Ratio Lower Upper

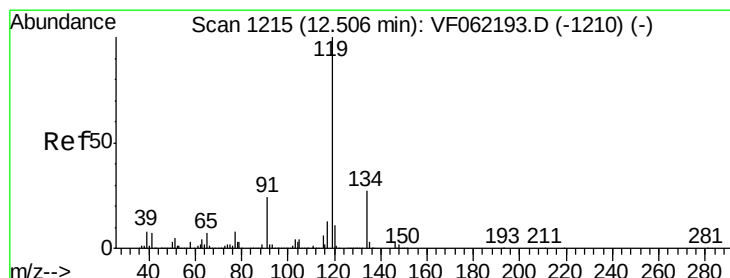
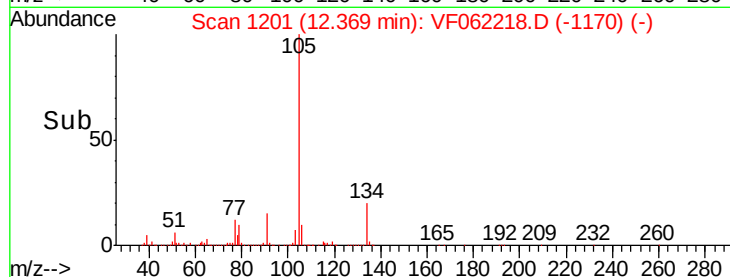
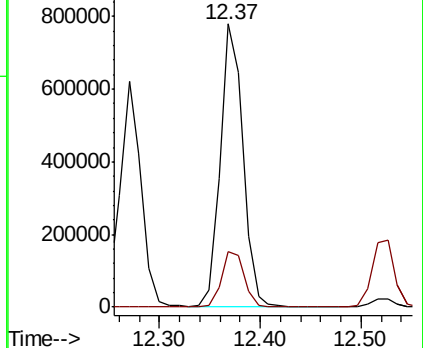
105 100

134 19.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.060 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

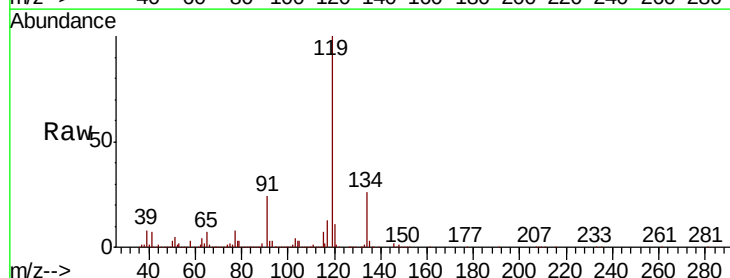
Tgt Ion:119 Resp: 1081718

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

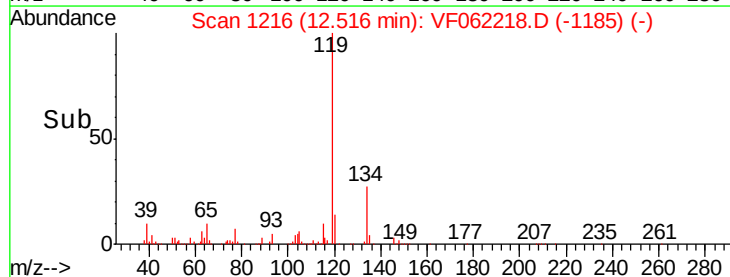
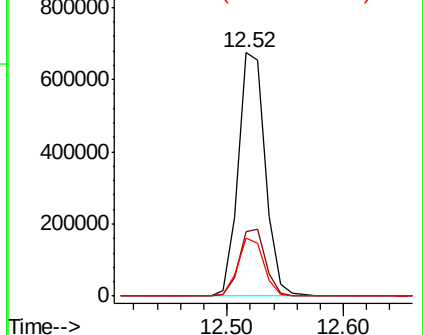
91 23.1 11.7 35.1

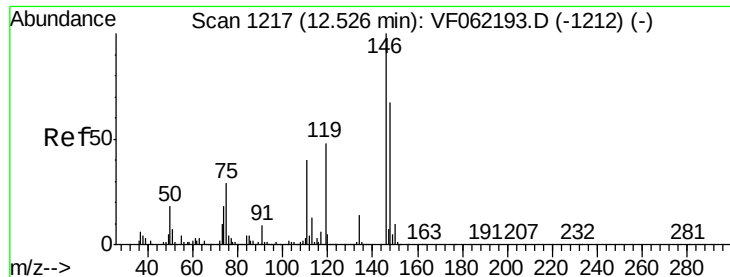


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

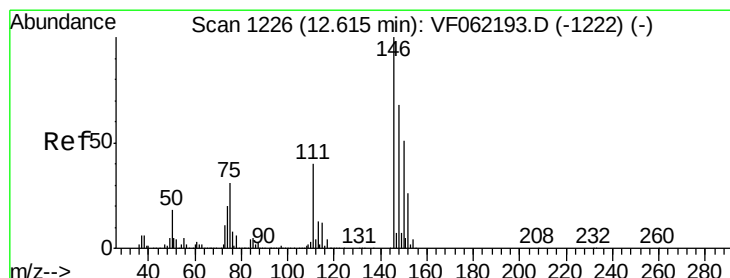
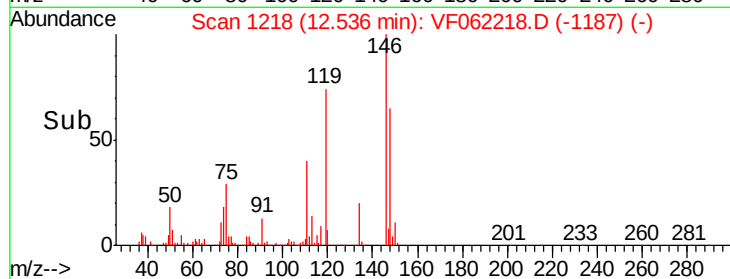
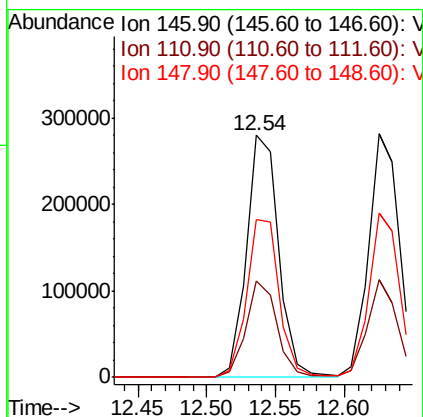
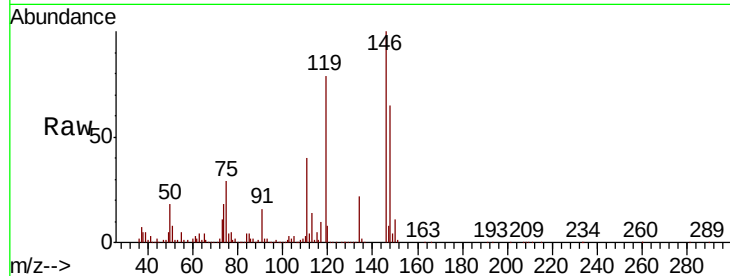




#87
 1,3-Dichlorobenzene
 Concen: 48.608 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

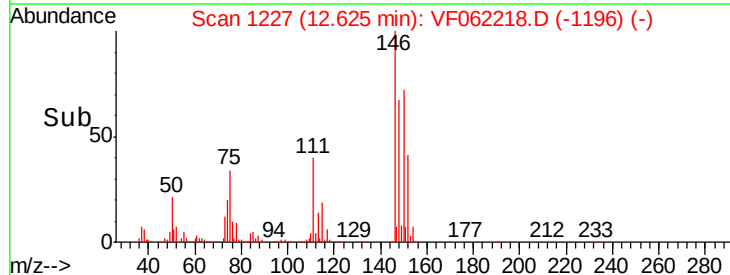
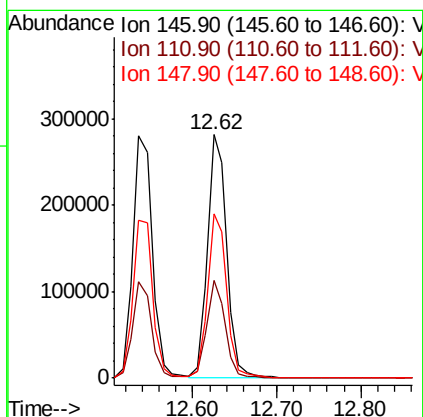
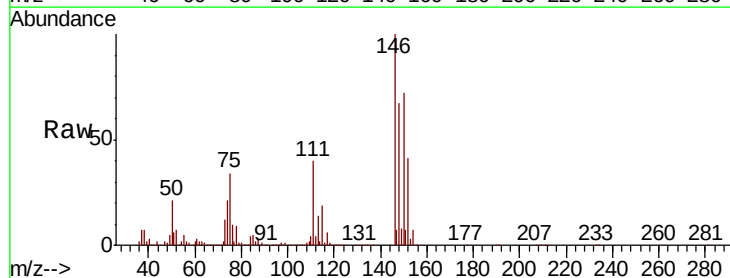
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

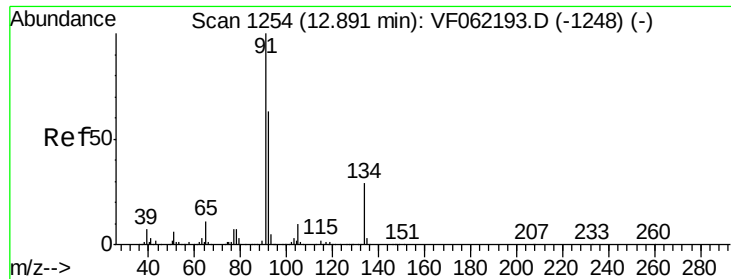
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	66.4	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.100 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	60.0
148	66.3	33.6	100.8





#89

n-Butylbenzene

Concen: 51.857 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

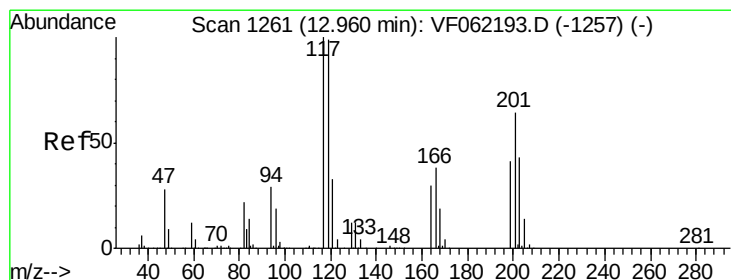
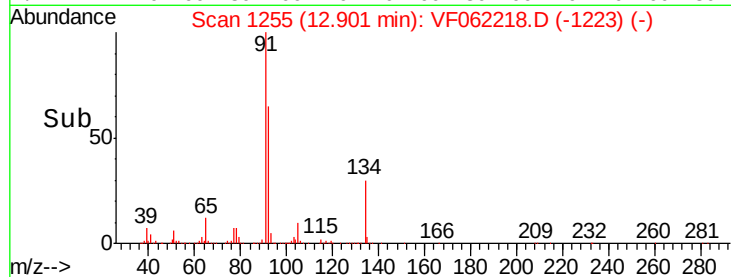
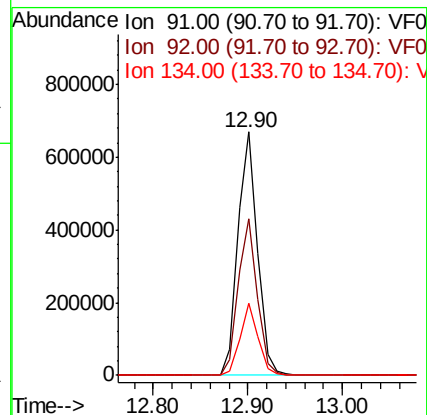
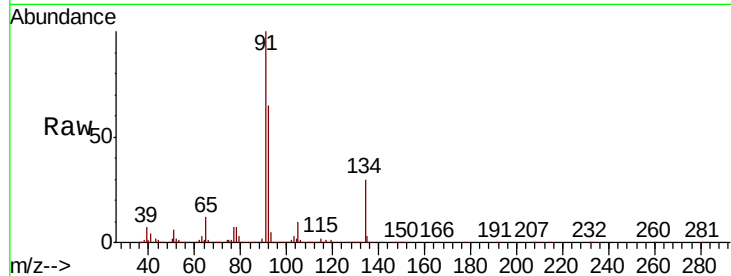
Tgt Ion: 91 Resp: 956311

Ion Ratio Lower Upper

91 100

92 63.3 31.2 93.6

134 27.3 13.1 39.1



#90

Hexachloroethane

Concen: 49.346 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062218.D

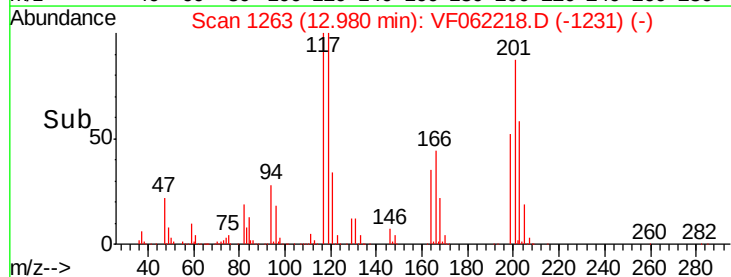
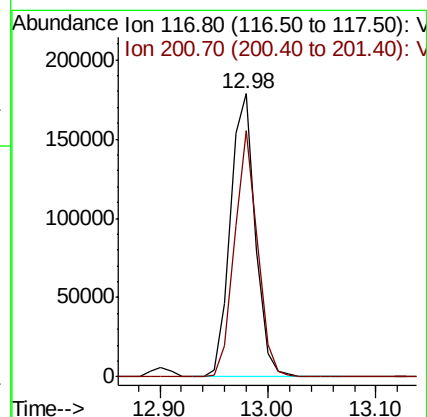
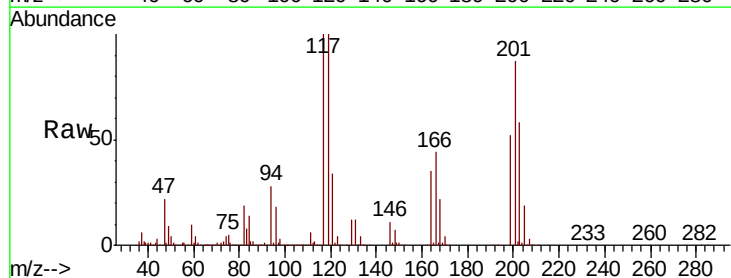
Acq: 19 Apr 2019 10:25

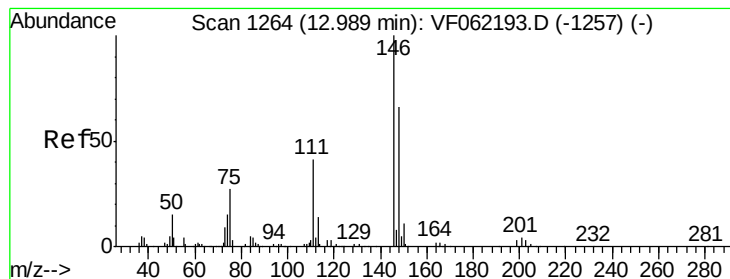
Tgt Ion: 117 Resp: 285205

Ion Ratio Lower Upper

117 100

201 80.4 37.7 113.1





#91

1,2-Dichlorobenzene

Concen: 48.593 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

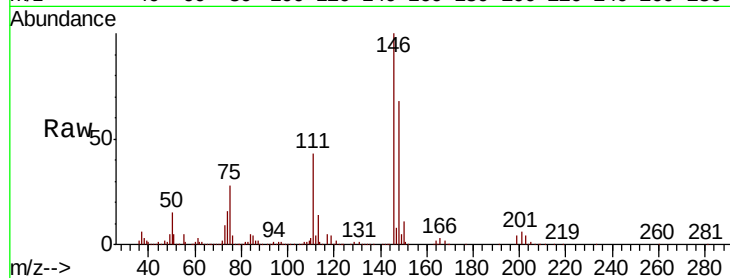
Tgt Ion: 146 Resp: 442588

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.5

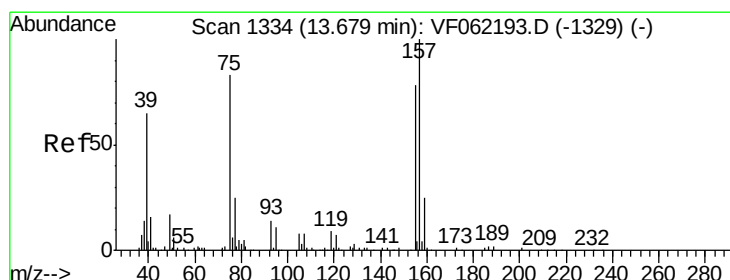
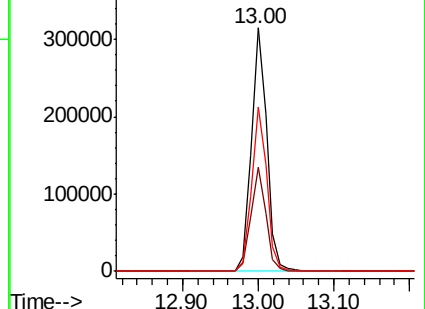
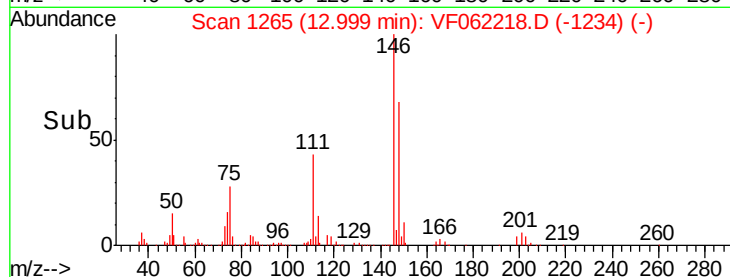
148 67.5 33.0 99.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.584 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062218.D

Acq: 19 Apr 2019 10:25

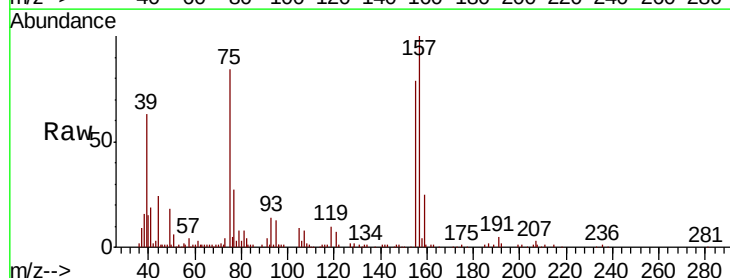
Tgt Ion: 75 Resp: 38151

Ion Ratio Lower Upper

75 100

155 105.5 47.6 142.8

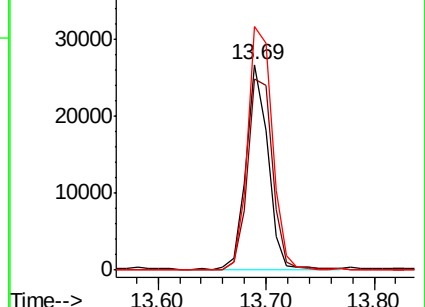
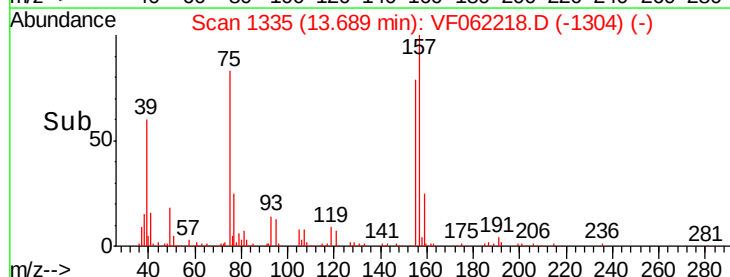
157 131.5 61.3 183.9

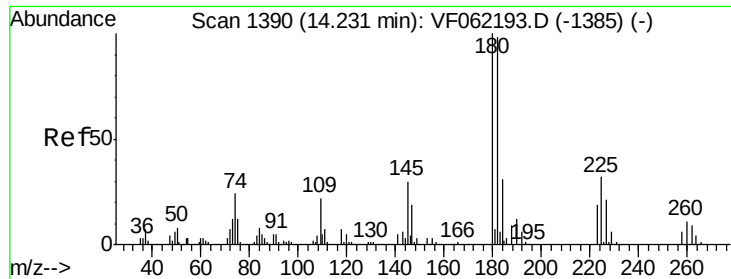


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

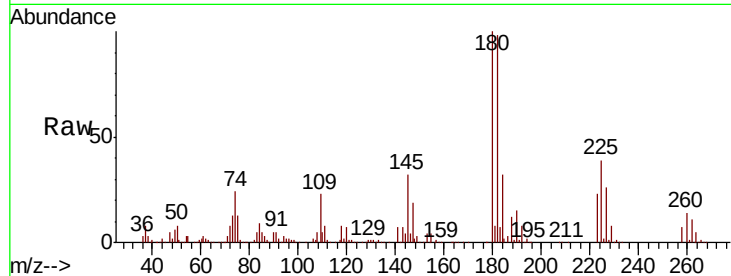




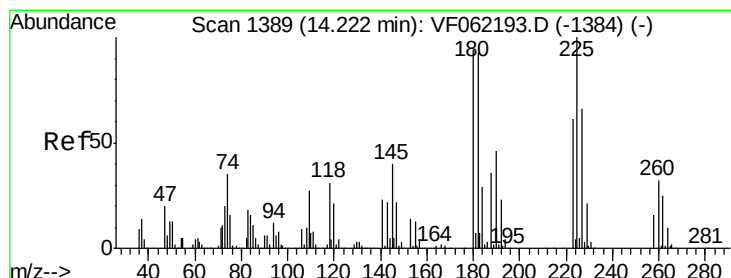
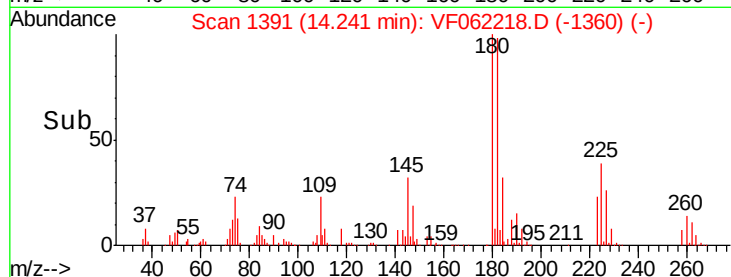
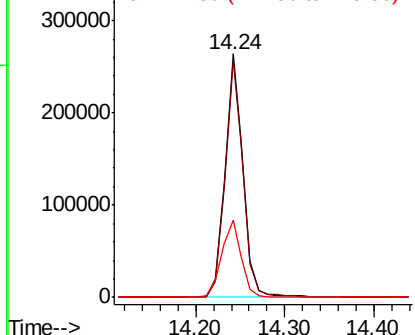
#93
 1,2,4-Trichlorobenzene
 Concen: 49.494 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 377173
 Ion Ratio Lower Upper
 180 100
 182 97.4 49.3 147.9
 145 34.8 18.1 54.4

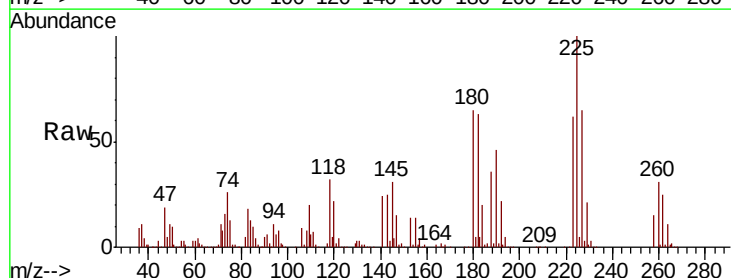


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

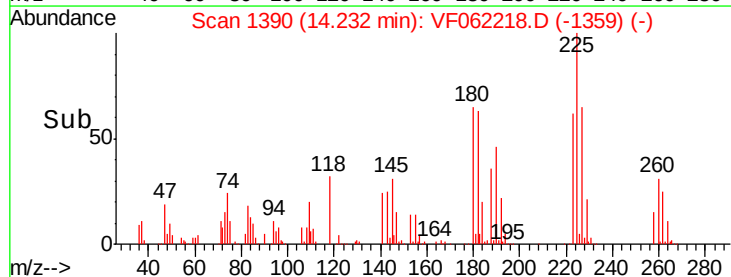
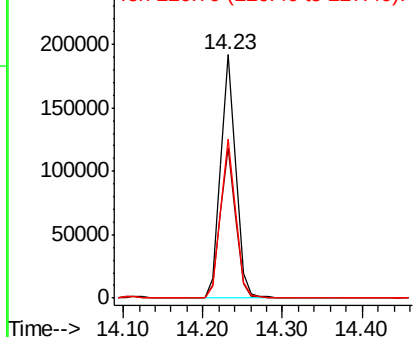


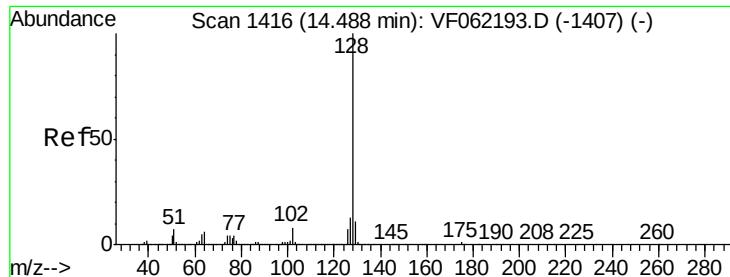
#94
 Hexachlorobutadiene
 Concen: 50.331 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062218.D
 Acq: 19 Apr 2019 10:25

Tgt Ion:225 Resp: 262999
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.0 93.0
 227 65.2 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

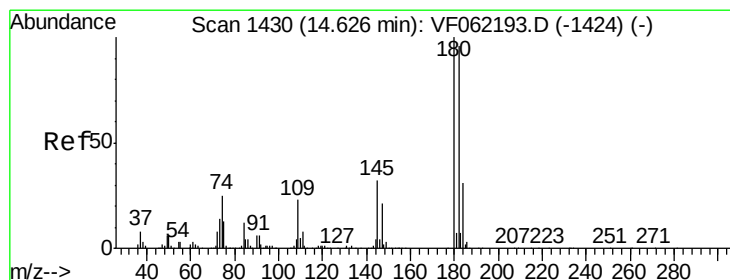
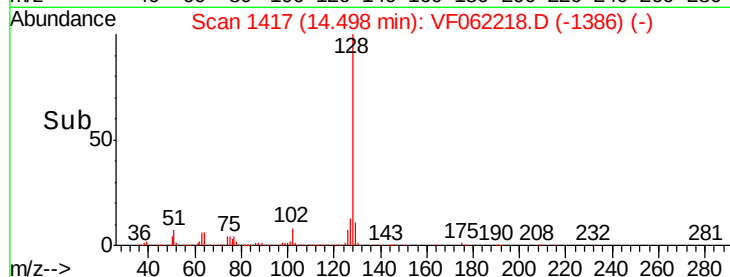
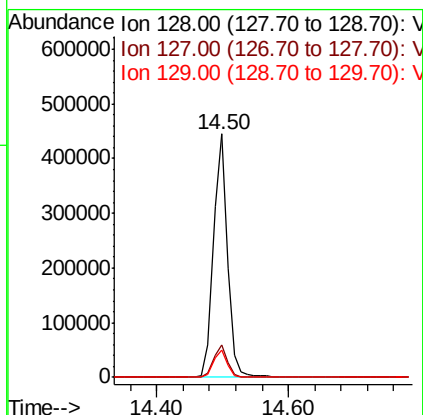
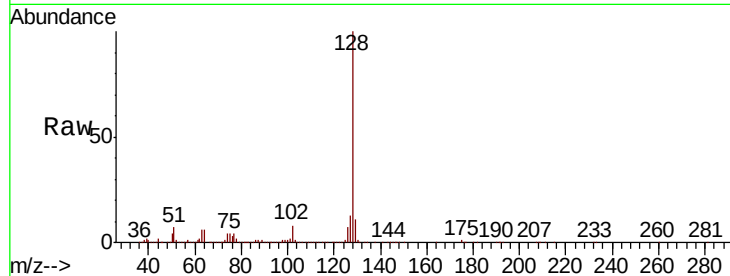




#95
Naphthalene
Concen: 48.554 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 646975
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.2 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 50.597 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062218.D
Acq: 19 Apr 2019 10:25

Tgt Ion:180 Resp: 370173
Ion Ratio Lower Upper
180 100
182 98.4 48.4 145.3
145 30.7 15.6 46.8

