

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062257.D
 Acq On : 23 Apr 2019 10:36
 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 23 10:59:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	379555	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	597017	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	441695	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	229439	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	203357	58.43	ug/l	0.02
Spiked Amount			Recovery	=	116.86%	
35) Dibromofluoromethane	4.32	113	277213	53.08	ug/l	0.02
Spiked Amount			Recovery	=	106.16%	
50) Toluene-d8	7.72	98	723002	54.69	ug/l	0.02
Spiked Amount			Recovery	=	109.38%	
62) 4-Bromofluorobenzene	11.50	95	254580	50.06	ug/l	0.02
Spiked Amount			Recovery	=	100.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	287700	49.878	ug/l	95
3) Chloromethane	1.15	50	270628	45.393	ug/l	98
4) Vinyl Chloride	1.19	62	252505	49.298	ug/l	98
5) Bromomethane	1.39	94	164581	55.312	ug/l	88
6) Chloroethane	1.45	64	116150	54.244	ug/l	98
7) Trichlorofluoromethane	1.56	101	370092	56.875	ug/l	96
8) Diethyl Ether	1.71	74	65692	48.506	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	235405	52.956	ug/l	97
10) Methyl Iodide	1.99	142	430236	54.480	ug/l #	89
11) Tert butyl alcohol	2.70	59	60329	249.374	ug/l #	93
12) 1,1-Dichloroethene	1.87	96	217881	51.532	ug/l	96
13) Acrolein	2.11	56	24615	231.348	ug/l	86
14) Allyl chloride	2.21	41	362065	74.618	ug/l	95
15) Acrylonitrile	3.09	53	196365	266.498	ug/l	100
16) Acetone	2.35	43	262488	315.533	ug/l	95
17) Carbon Disulfide	1.92	76	605931	51.574	ug/l	100
18) Methyl Acetate	2.47	43	80804	44.442	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	381232	51.069	ug/l	97
20) Methylene Chloride	2.34	84	206225m	50.543	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	209231	50.041	ug/l	97
22) Diisopropyl ether	2.95	45	630474	50.795	ug/l	99
23) Vinyl Acetate	3.35	43	1360828	230.114	ug/l	100
24) 1,1-Dichloroethane	3.02	63	368043	54.205	ug/l	98
25) 2-Butanone	4.53	43	392424	235.917	ug/l	98
26) 2,2-Dichloropropane	3.78	77	203652	59.408	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	280787	51.857	ug/l	95
28) Bromochloromethane	3.91	49	156507	48.118	ug/l #	89
29) Tetrahydrofuran	4.28	42	158939	211.099	ug/l	97
30) Chloroform	4.06	83	430970	51.647	ug/l	99
31) Cyclohexane	3.89	56	376198	46.234	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	351176	57.494	ug/l #	88
36) 1,1-Dichloropropene	4.48	75	330408	46.160	ug/l	100
37) Ethyl Acetate	4.31	43	131517	38.937	ug/l #	98
38) Carbon Tetrachloride	4.20	117	410215	64.746	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	438528	51.169	ug/l	96
40) Benzene	4.83	78	810102	43.148	ug/l	97
41) Methacrylonitrile	4.95	41	79002	40.549	ug/l #	67
42) 1,2-Dichloroethane	5.13	62	238843	48.121	ug/l	99
43) Isopropyl Acetate	7.12	43	150483	42.360	ug/l #	99
44) Trichloroethene	5.70	130	273401	53.890	ug/l	97
45) 1,2-Dichloropropane	6.41	63	199228	48.174	ug/l	97
46) Dibromomethane	6.27	93	140189	50.950	ug/l	91
47) Bromodichloromethane	6.56	83	314898	50.715	ug/l	99
48) Methyl methacrylate	6.89	41	97246	41.653	ug/l	92
49) 1,4-Dioxane	6.87	88	23223	867.348	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	554150	209.724	ug/l	100
52) Toluene	7.79	92	482445	48.748	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	208742	44.760	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	313988	49.774	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	132723	47.872	ug/l	98
56) Ethyl methacrylate	8.76	69	145564	46.179	ug/l	98
57) 1,3-Dichloropropane	9.00	76	215264	48.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	211838	231.472	ug/l	96
59) 2-Hexanone	9.63	43	376205	228.329	ug/l	96
60) Dibromochloromethane	8.87	129	221142	53.634	ug/l	100
61) 1,2-Dibromoethane	9.14	107	156077	49.968	ug/l	95
64) Tetrachloroethene	8.32	164	214476	53.790	ug/l	95
65) Chlorobenzene	9.93	112	501258	53.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	244021	55.327	ug/l	98
67) Ethyl Benzene	10.03	91	872282	50.933	ug/l	99
68) m/p-Xylenes	10.27	106	645878	102.447	ug/l	93
69) o-Xylene	10.82	106	354261	50.611	ug/l	99
70) Styrene	10.90	104	482449	48.841	ug/l	99
71) Bromoform	10.88	173	123809	53.167	ug/l	99
73) Isopropylbenzene	11.22	105	1020149	51.761	ug/l	99
74) N-amyl acetate	11.45	43	213077	45.362	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	165838	48.927	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	110716	47.478	ug/l #	1
77) Bromobenzene	11.59	156	238945	56.595	ug/l	89
78) n-propylbenzene	11.68	91	1029725	49.527	ug/l	97
79) 2-Chlorotoluene	11.80	91	645112	51.151	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	865389	52.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	66263	55.716	ug/l #	86
82) 4-Chlorotoluene	11.97	91	607416	49.835	ug/l	95
83) tert-Butylbenzene	12.20	119	903305	53.213	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	792914	49.916	ug/l	99
85) sec-Butylbenzene	12.37	105	1136183	51.554	ug/l	98
86) p-Isopropyltoluene	12.53	119	969213	51.844	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	413317	52.754	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	387360	51.258	ug/l	99
89) n-Butylbenzene	12.90	91	875916	57.779	ug/l	98
90) Hexachloroethane	12.98	117	256792	53.492	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	412175	54.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31795	47.745	ug/l	85

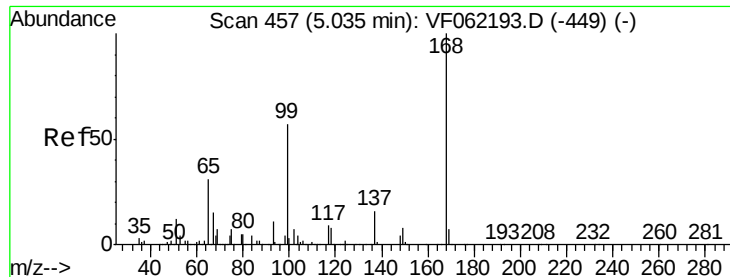
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	355738	56.201	ug/l	99
94) Hexachlorobutadiene	14.23	225	260383	59.993	ug/l	99
95) Naphthalene	14.50	128	599187	54.139	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	354925	58.407	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

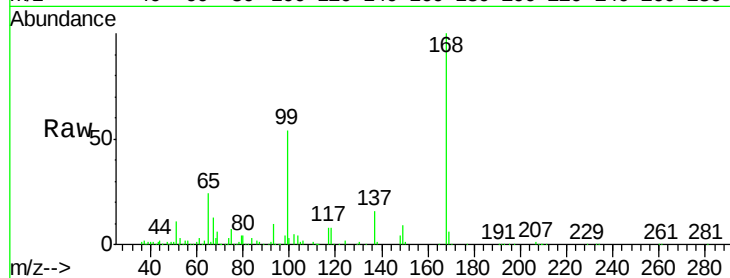
VSTDCCC050

Tot Ion:168 Resp: 379555

Ion Ratio Lower Upper

168 100

99 54.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

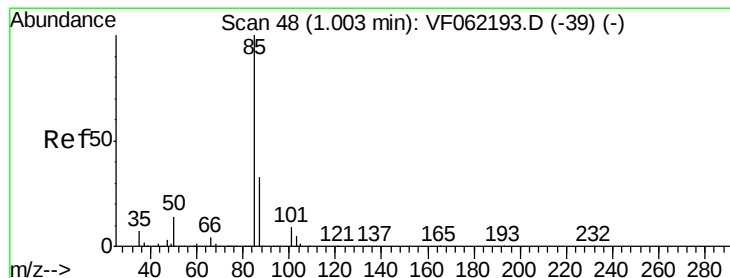
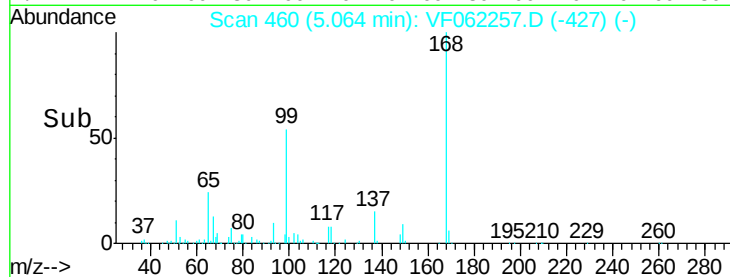
5.06

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.878 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062257.D

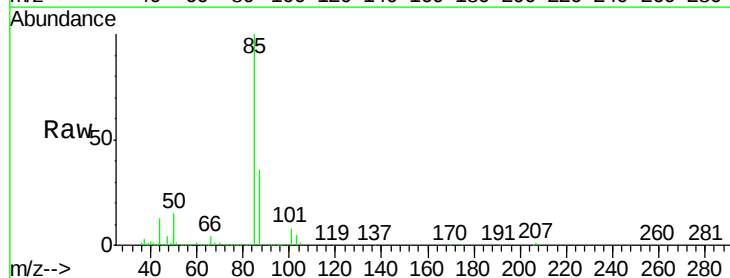
Acq: 23 Apr 2019 10:36

Tgt Ion: 85 Resp: 287700

Ion Ratio Lower Upper

85 100

87 35.6 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

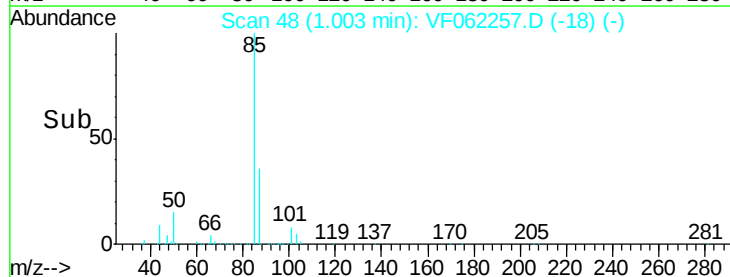
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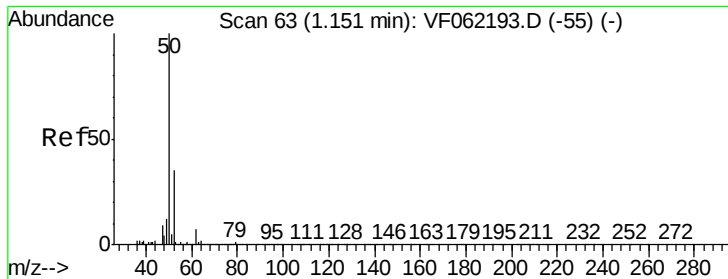
40000

20000

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Time-->





#3

Chloromethane

Concen: 45.393 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

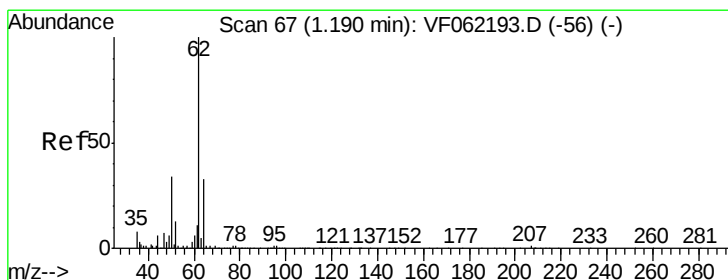
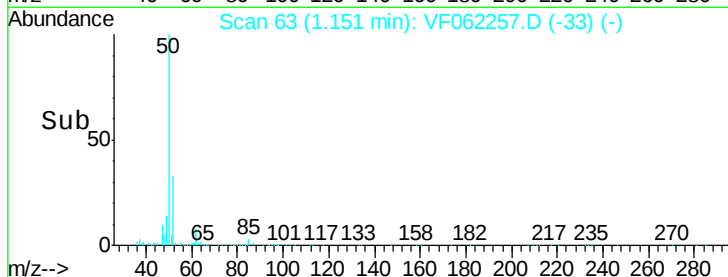
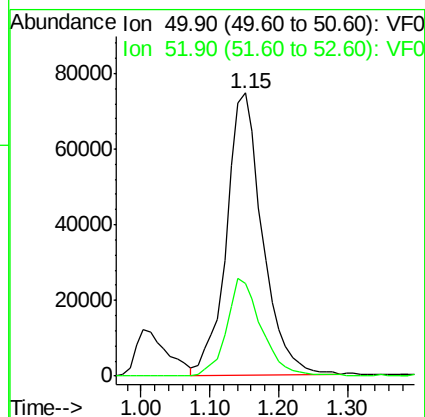
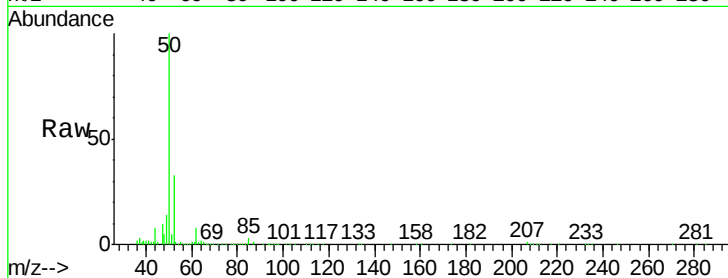
VSTDCCC050

Tot Ion: 50 Resp: 270628

Ion Ratio Lower Upper

50 100

52 32.8 27.0 40.4



#4

Vinyl Chloride

Concen: 49.298 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062257.D

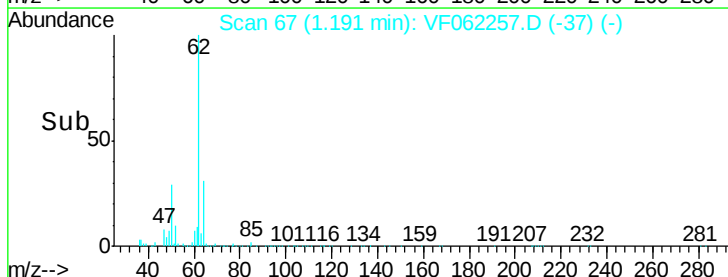
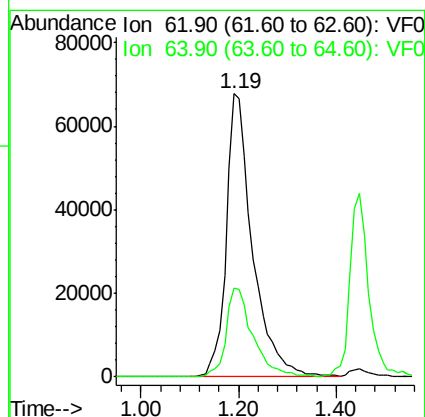
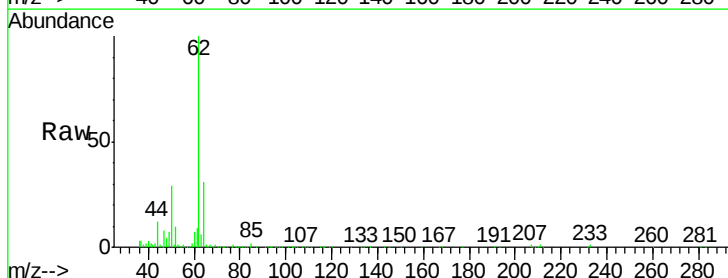
Acq: 23 Apr 2019 10:36

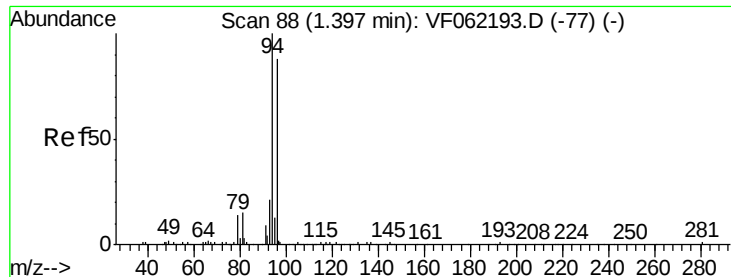
Tgt Ion: 62 Resp: 252505

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 55.312 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

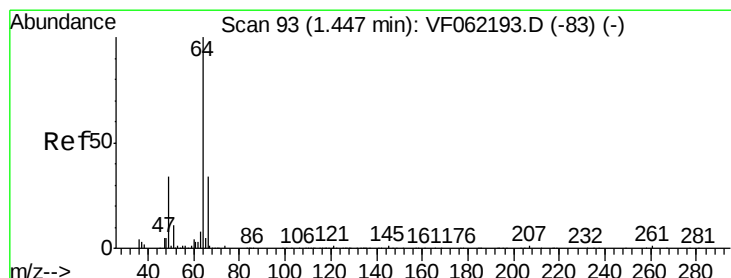
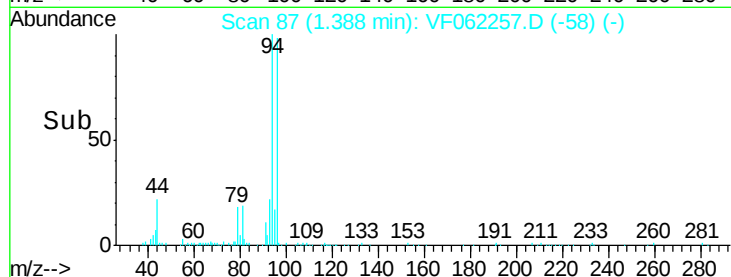
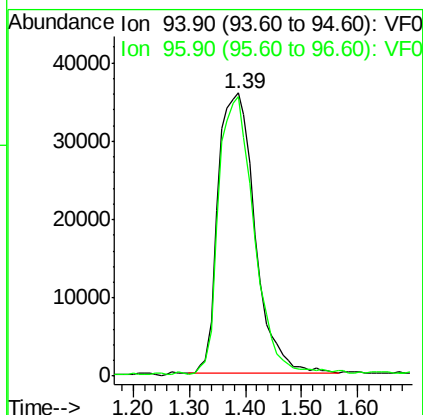
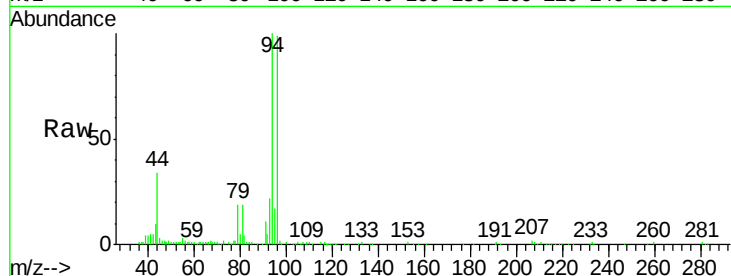
VSTDCCC050

Tot Ion: 94 Resp: 164581

Ion Ratio Lower Upper

94 100

96 98.9 70.2 105.4



#6

Chloroethane

Concen: 54.244 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062257.D

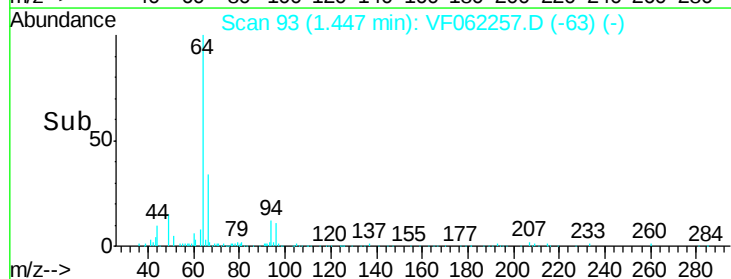
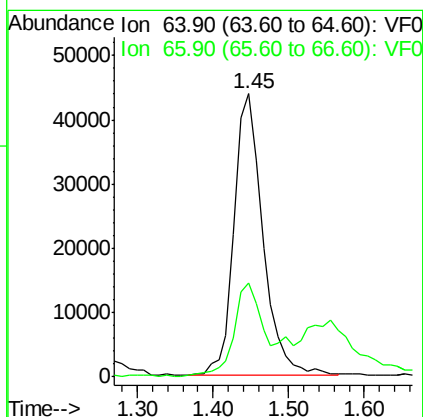
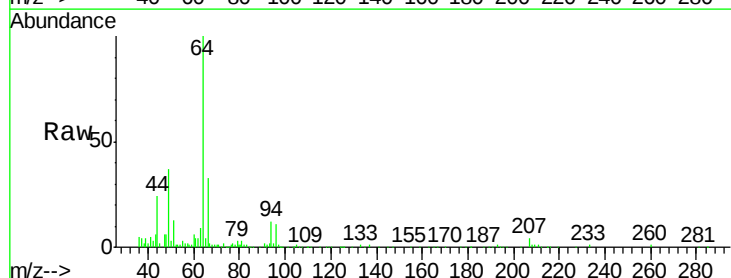
Acq: 23 Apr 2019 10:36

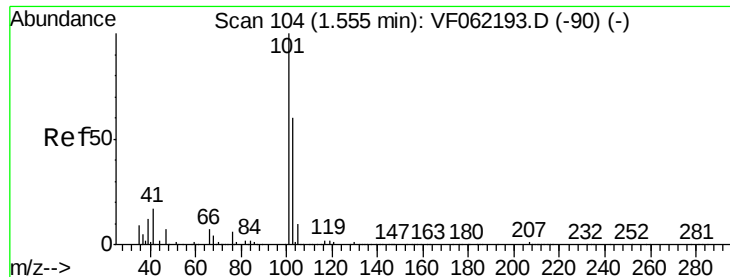
Tgt Ion: 64 Resp: 116150

Ion Ratio Lower Upper

64 100

66 32.7 27.0 40.4



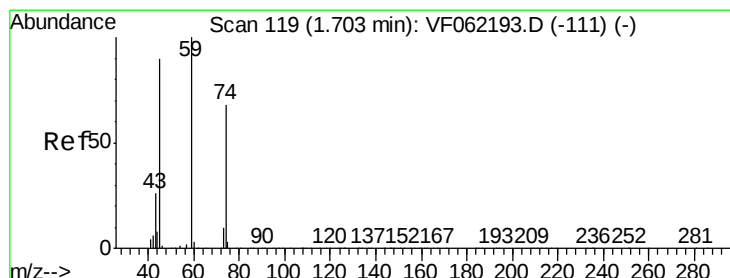
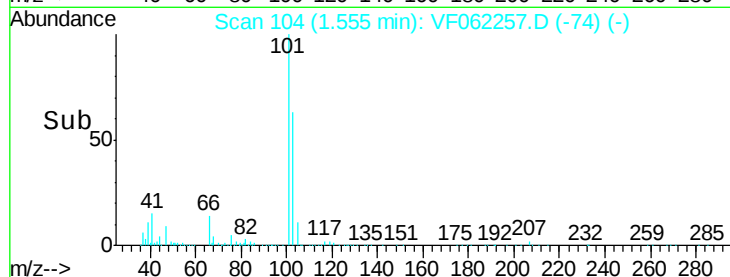
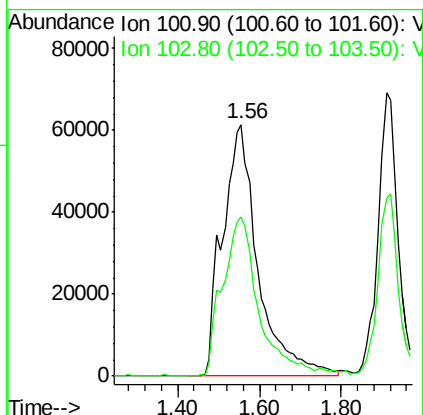
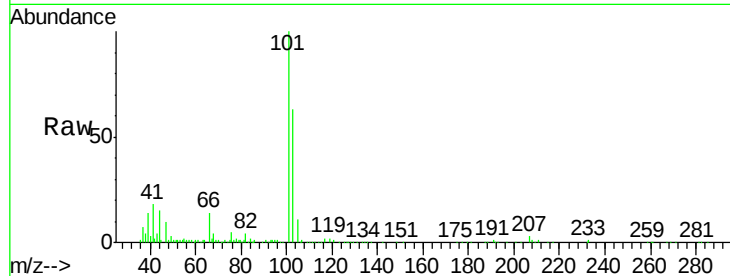


#7

Trichlorofluoromethane
Concen: 56.875 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

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VSTDCCC050

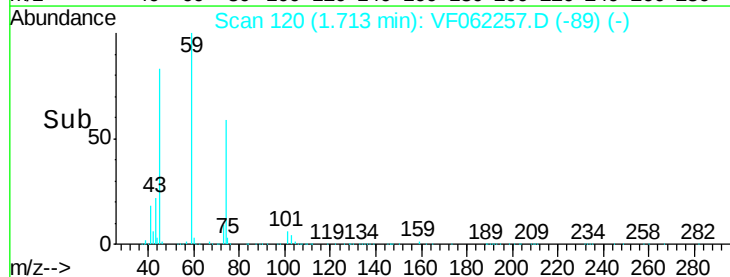
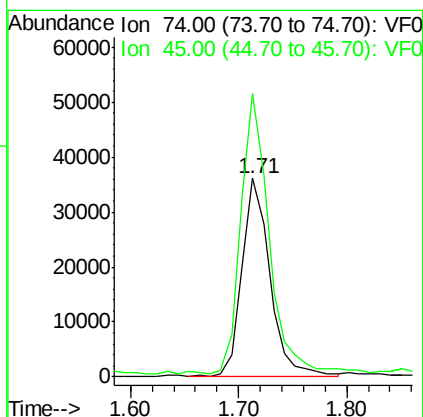
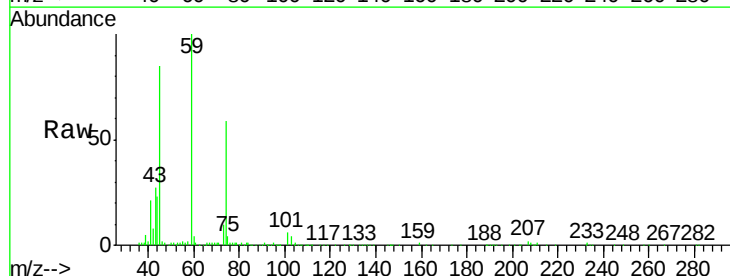
Tot Ion:101 Resp: 370092
Ion Ratio Lower Upper
101 100
103 63.1 48.2 72.4

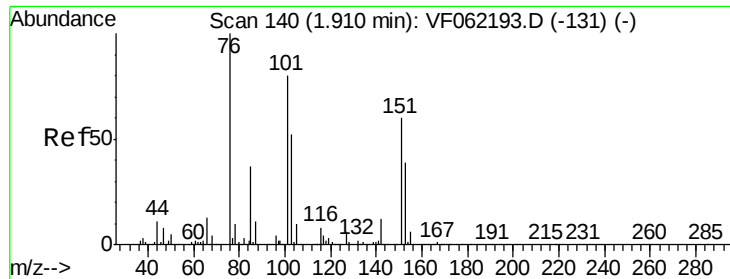


#8

Diethyl Ether
Concen: 48.506 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 74 Resp: 65692
Ion Ratio Lower Upper
74 100
45 141.0 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.956 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

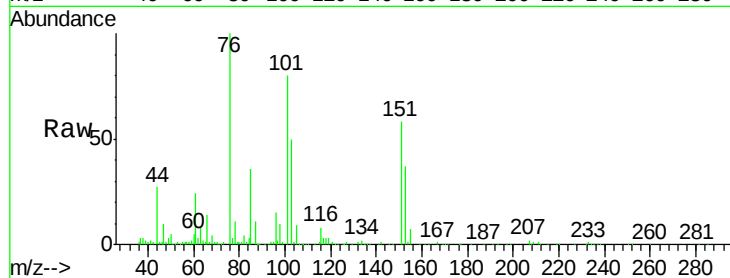
Tot Ion:101 Resp: 235405

Ion Ratio Lower Upper

101 100

85 45.8 35.3 52.9

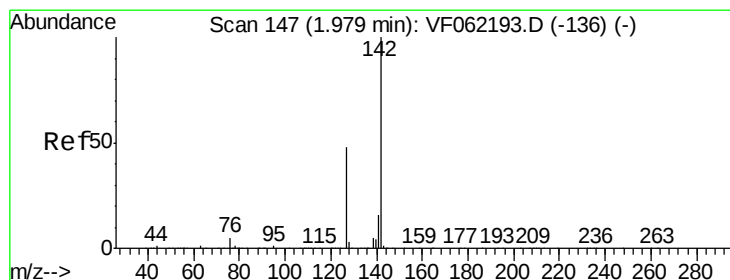
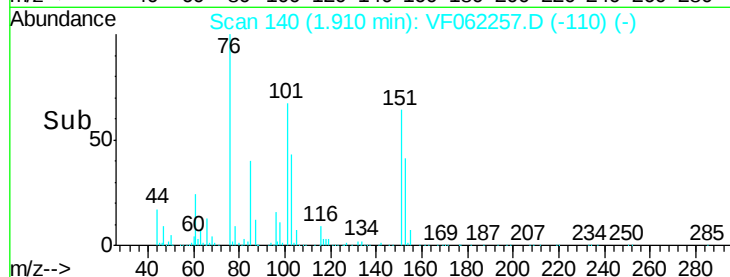
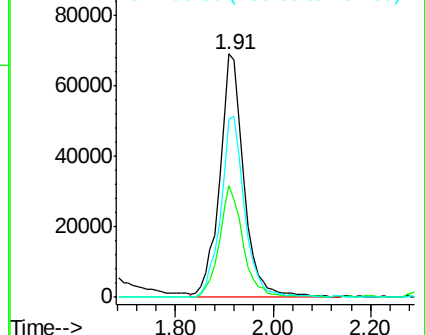
151 74.3 57.5 86.3



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: 54.480 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

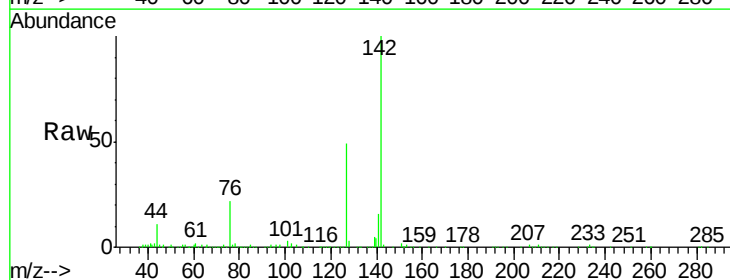
Tgt Ion:142 Resp: 430236

Ion Ratio Lower Upper

142 100

127 50.4 33.0 49.4#

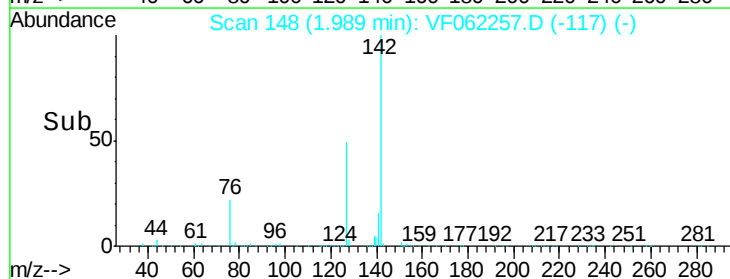
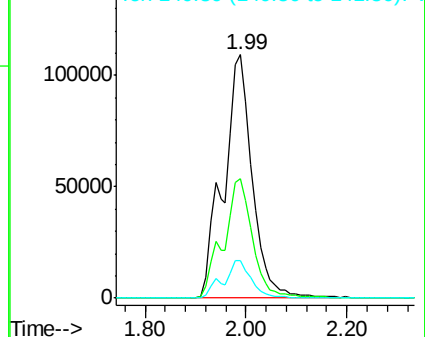
141 15.2 12.7 19.1

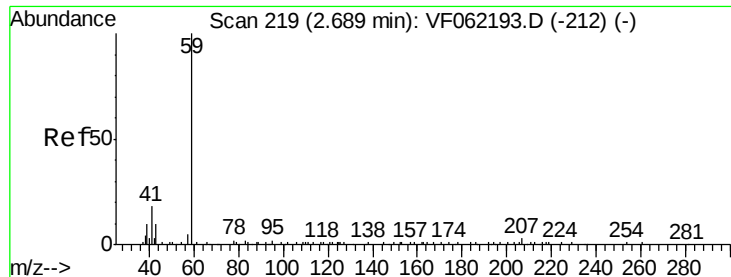


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



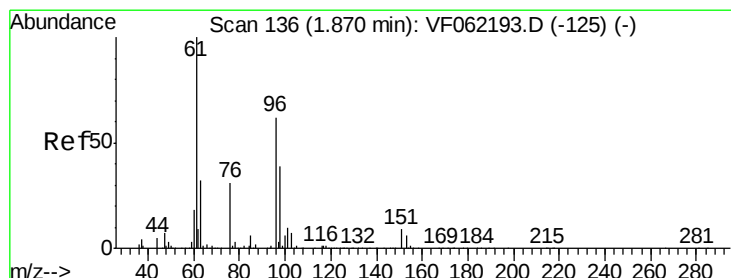
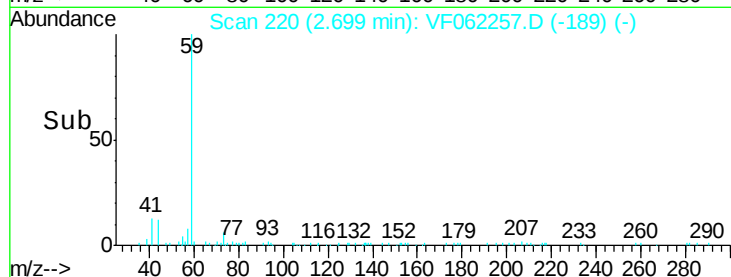
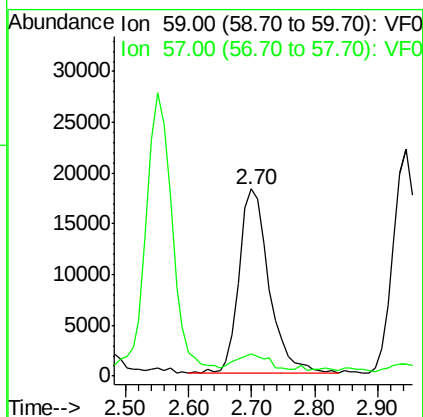
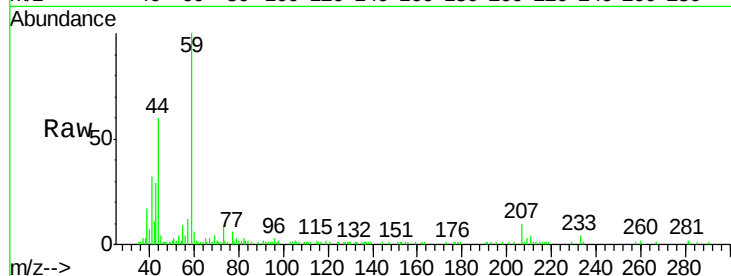


#11

Tert butyl alcohol
 Concen: 249.374 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

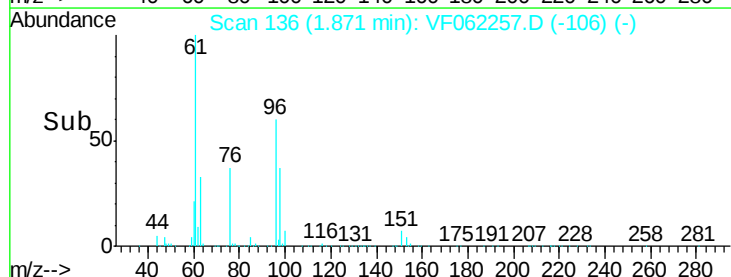
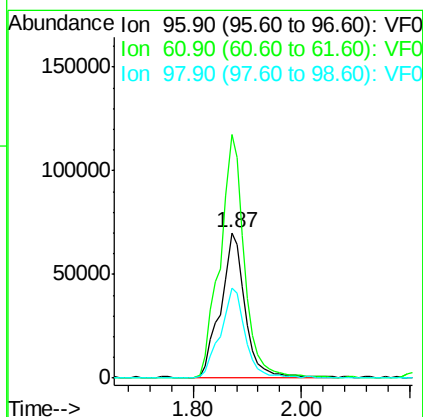
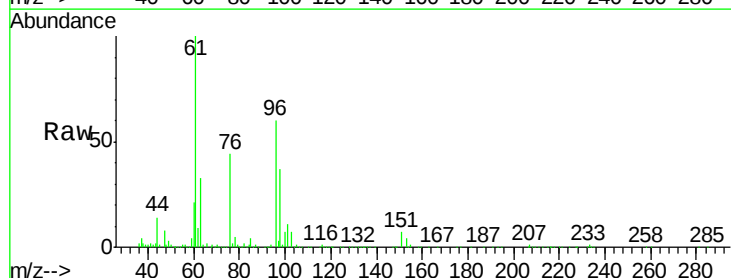
Tot Ion: 59 Resp: 60329
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.3 13.9#

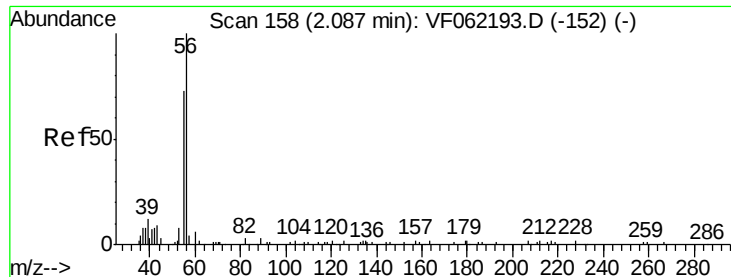


#12

1,1-Dichloroethene
 Concen: 51.532 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion: 96 Resp: 217881
 Ion Ratio Lower Upper
 96 100
 61 168.1 129.1 193.7
 98 61.9 50.0 75.0





#13

Acrolein

Concen: 231.348 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

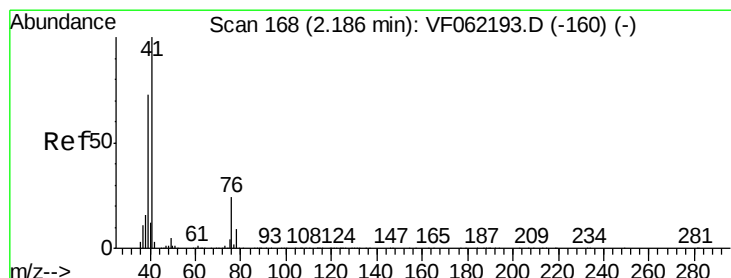
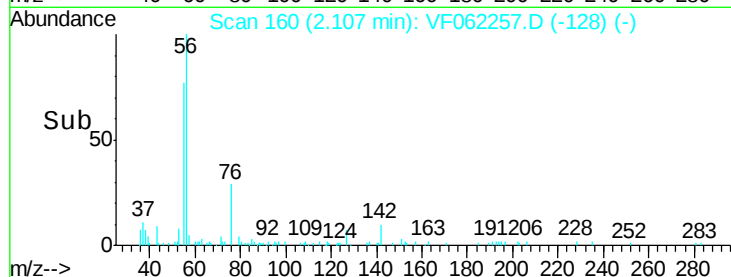
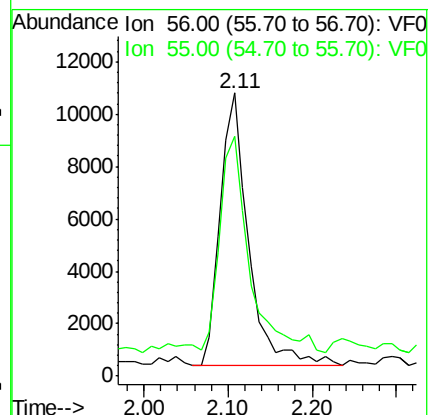
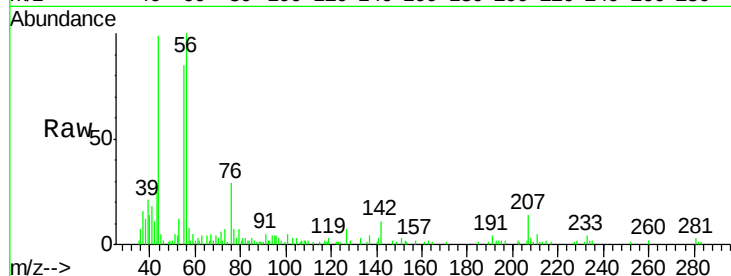
VSTDCCC050

Tot Ion: 56 Resp: 24615

Ion Ratio Lower Upper

56 100

55 83.4 57.4 86.0



#14

Allyl chloride

Concen: 74.618 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

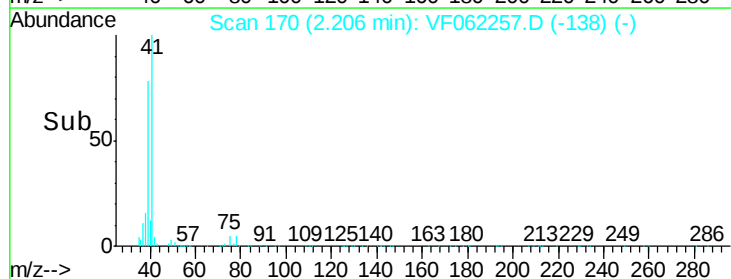
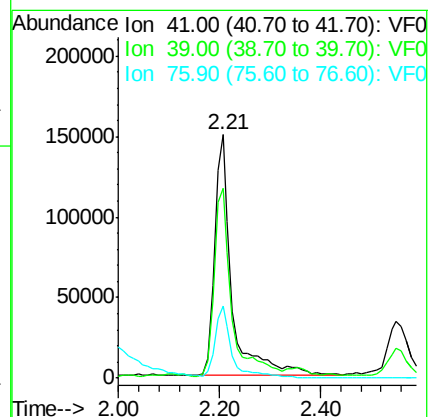
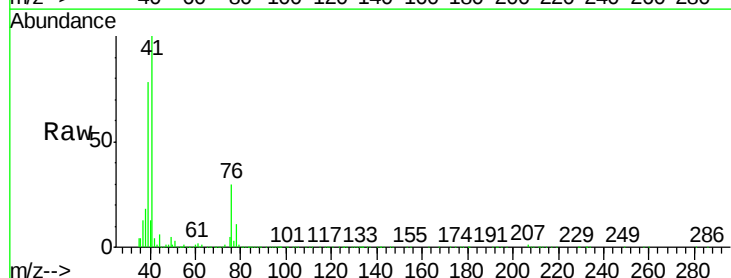
Tgt Ion: 41 Resp: 362065

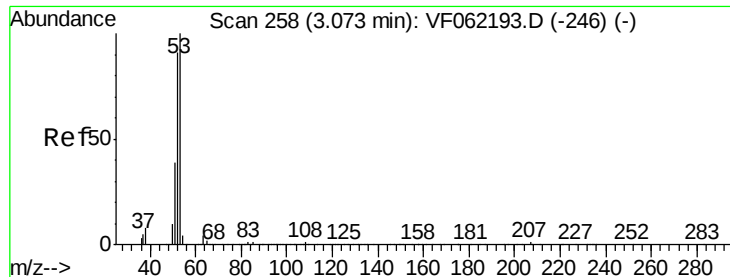
Ion Ratio Lower Upper

41 100

39 78.7 60.0 90.0

76 29.0 20.6 30.8





#15

Acrylonitrile

Concen: 266.498 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

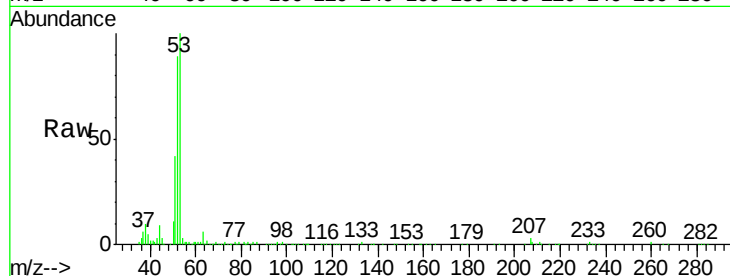
Tot Ion: 53 Resp: 196365

Ion Ratio Lower Upper

53 100

52 86.7 69.5 104.3

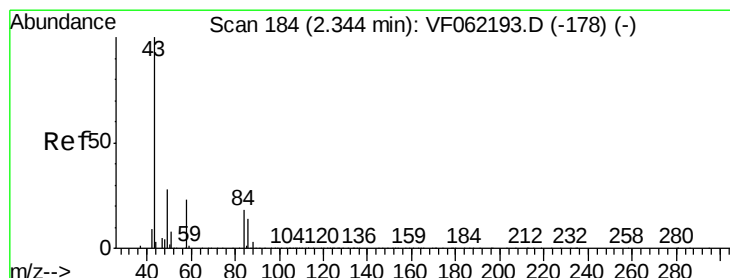
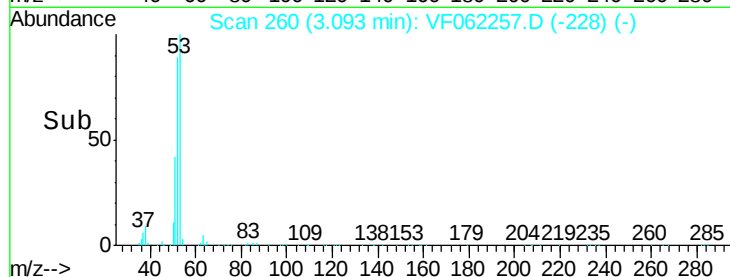
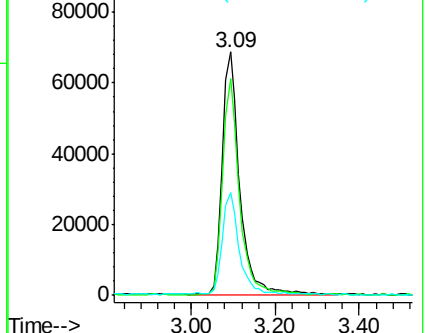
51 39.9 31.8 47.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 315.533 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062257.D

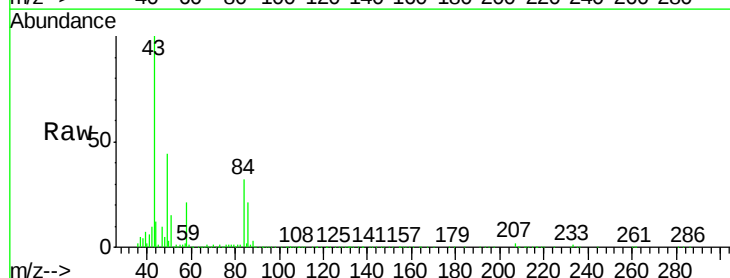
Acq: 23 Apr 2019 10:36

Tgt Ion: 43 Resp: 262488

Ion Ratio Lower Upper

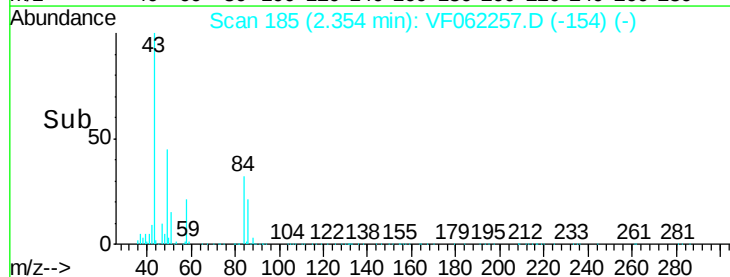
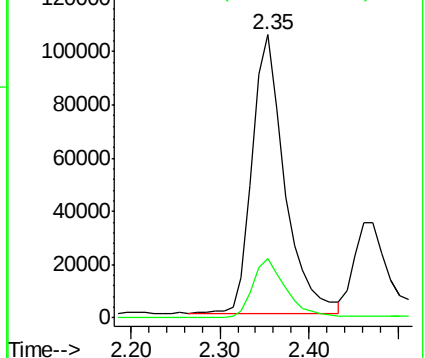
43 100

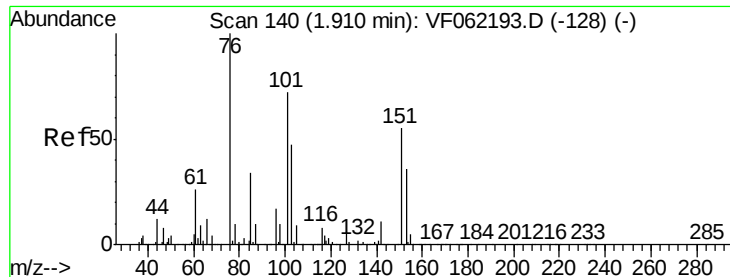
58 21.3 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 51.574 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

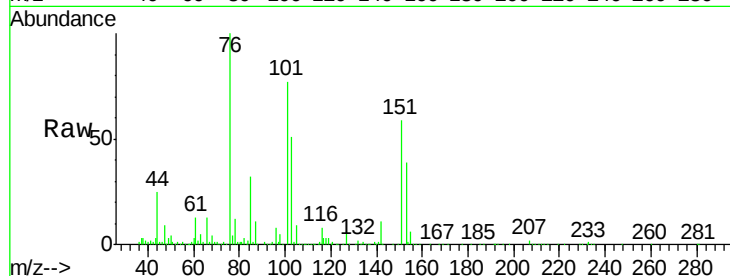
VSTDCCC050

Tot Ion: 76 Resp: 605931

Ion Ratio Lower Upper

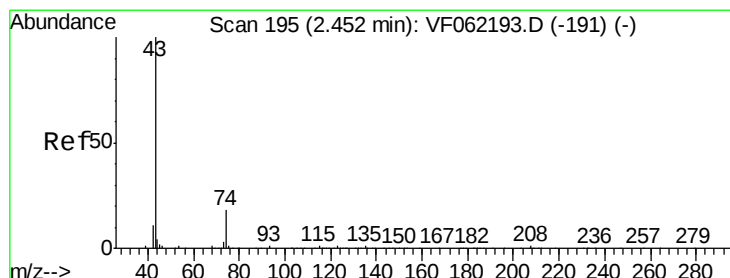
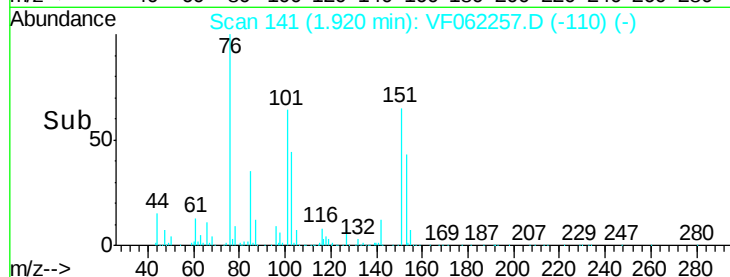
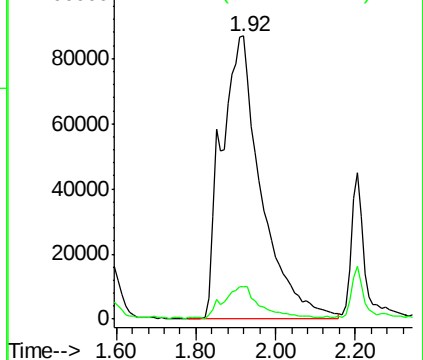
76 100

78 10.8 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: 44.442 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF062257.D

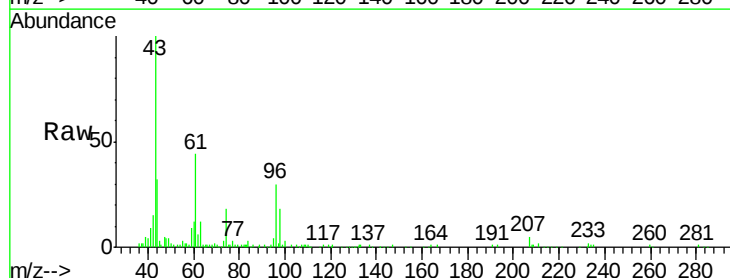
Acq: 23 Apr 2019 10:36

Tgt Ion: 43 Resp: 80804

Ion Ratio Lower Upper

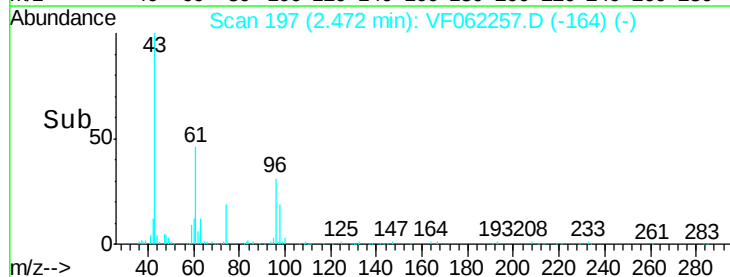
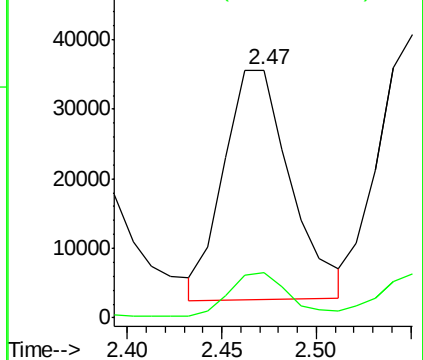
43 100

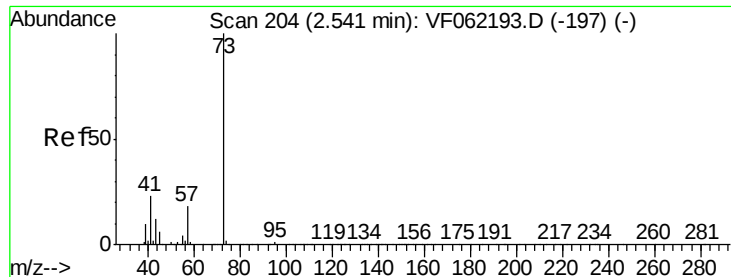
74 18.1 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



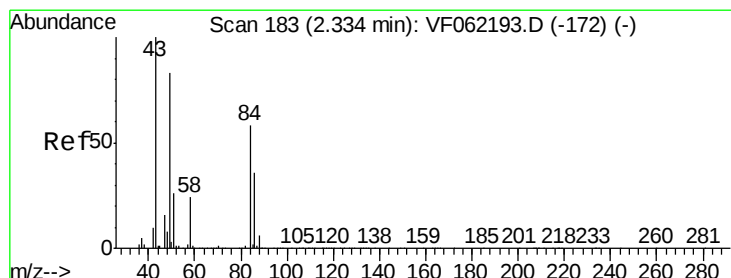
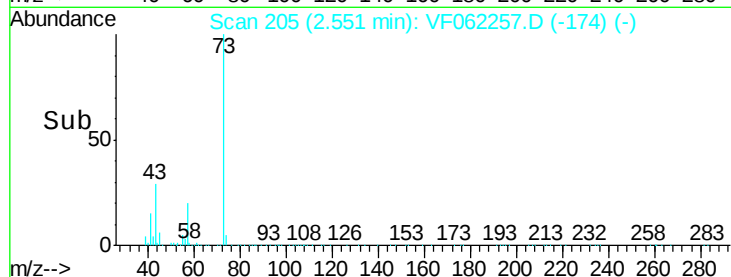
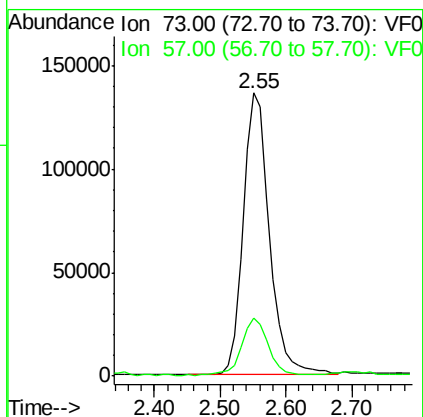
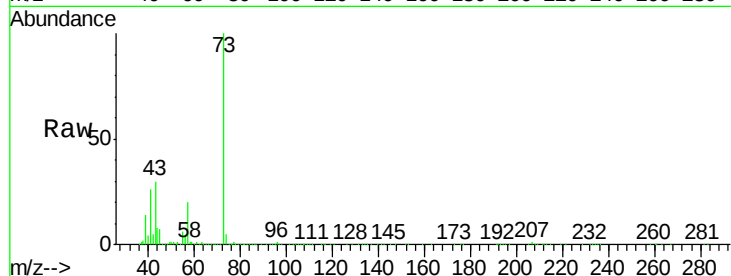


#19

Methyl tert-butyl Ether
 Concen: 51.069 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

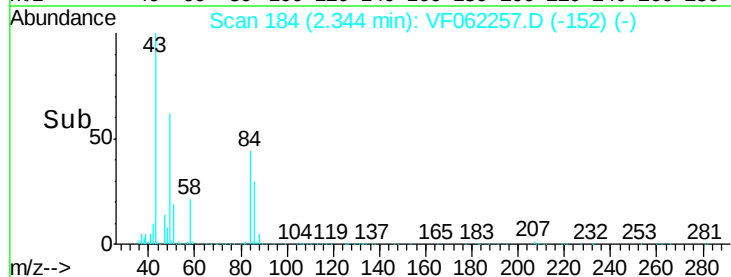
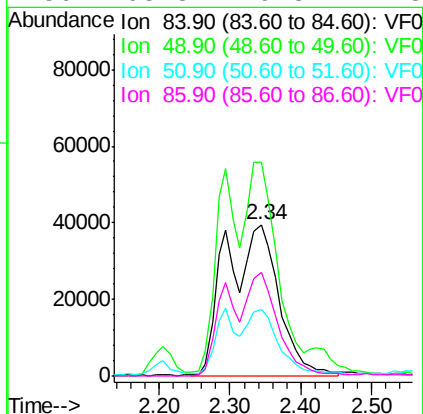
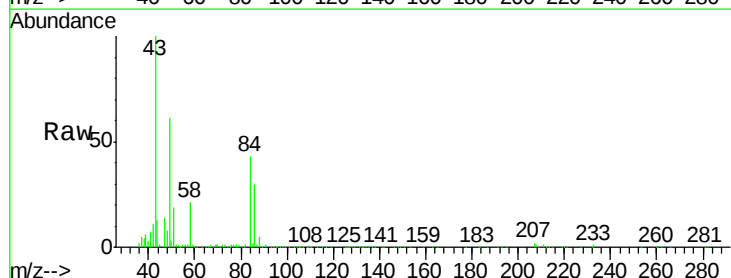
Tot Ion: 73 Resp: 381232
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.1 22.7

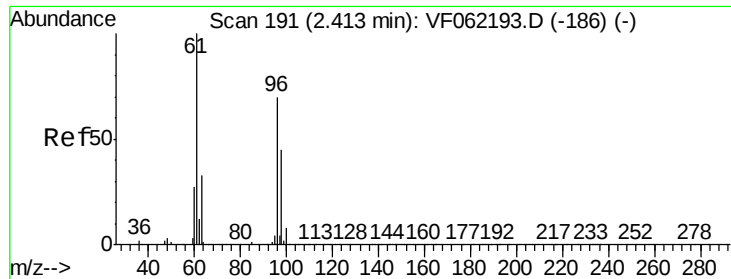


#20

Methylene Chloride
 Concen: 50.543 ug/l m
 RT: 2.34 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion: 84 Resp: 206225
 Ion Ratio Lower Upper
 84 100
 49 141.2 114.0 171.0
 51 44.4 37.0 55.4
 86 68.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.041 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

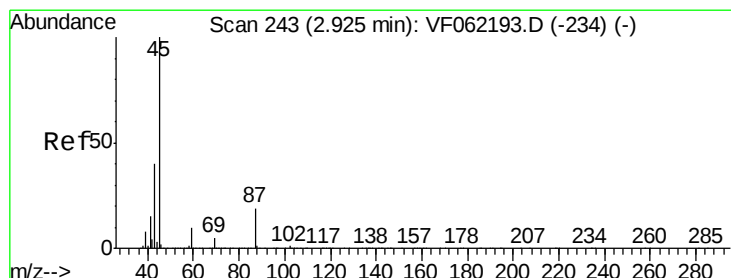
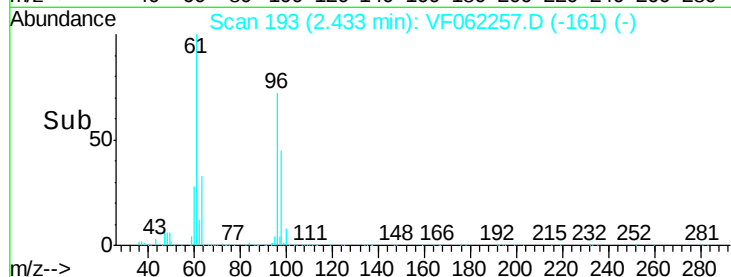
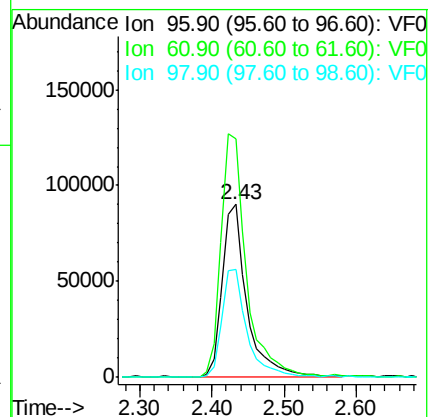
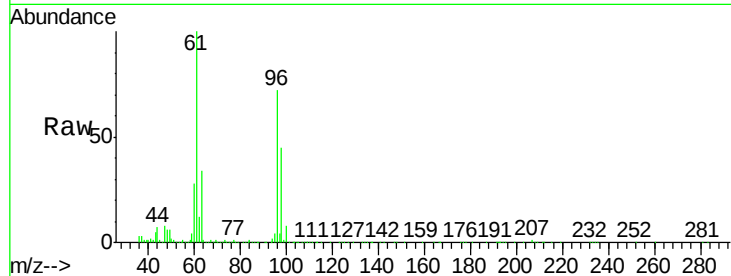
Tot Ion: 96 Resp: 209231

Ion Ratio Lower Upper

96 100

61 138.5 114.6 172.0

98 62.7 51.2 76.8



#22

Diisopropyl ether

Concen: 50.795 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Tgt Ion: 45 Resp: 630474

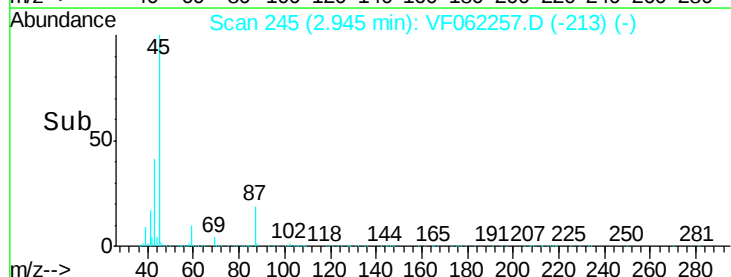
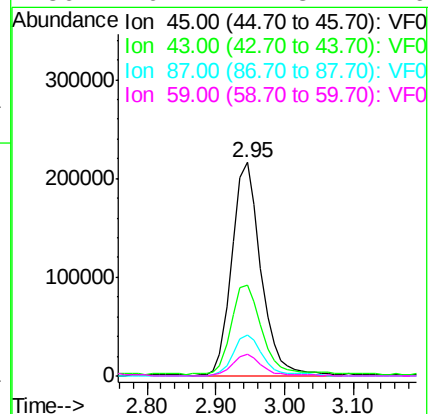
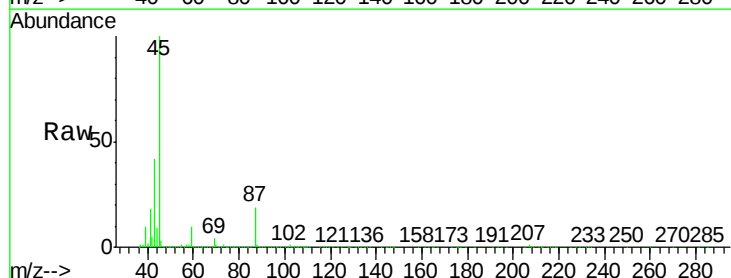
Ion Ratio Lower Upper

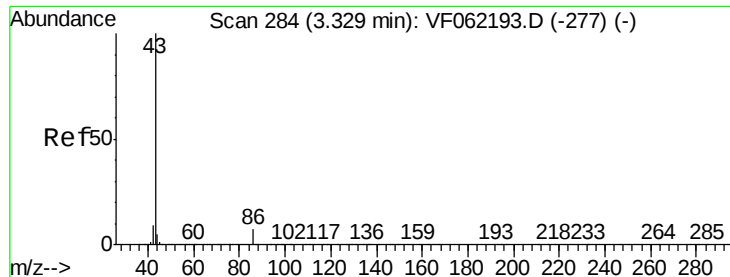
45 100

43 41.2 32.8 49.2

87 19.5 15.2 22.8

59 10.2 7.8 11.6





#23

Vinyl Acetate

Concen: 230.114 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

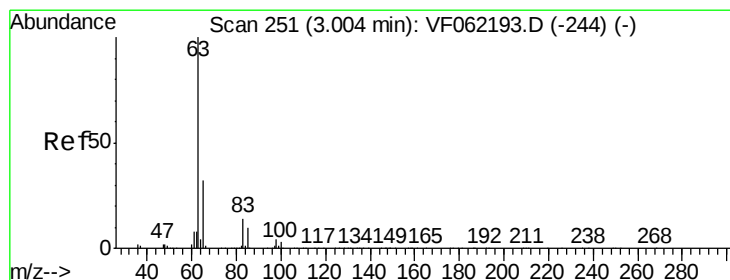
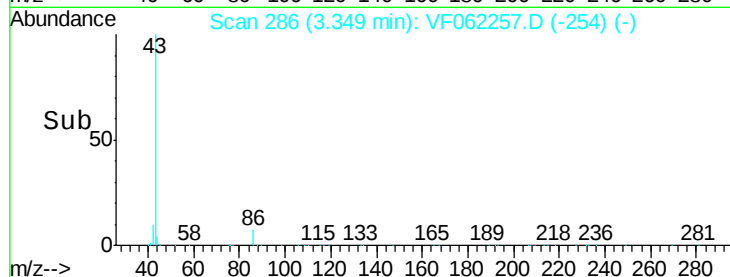
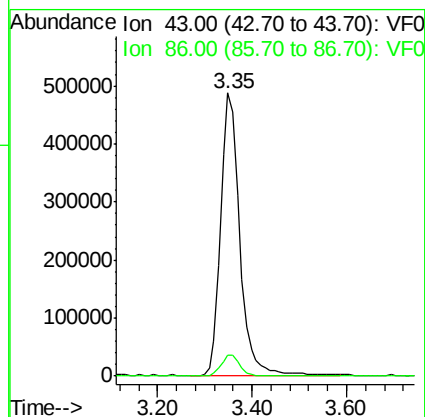
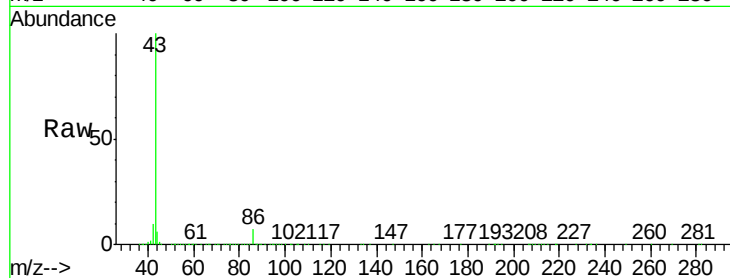
VSTDCCC050

Tot Ion: 43 Resp: 1360828

Ion Ratio Lower Upper

43 100

86 7.5 5.9 8.9



#24

1,1-Dichloroethane

Concen: 54.205 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

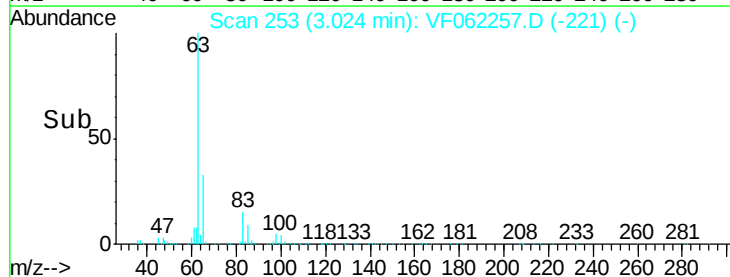
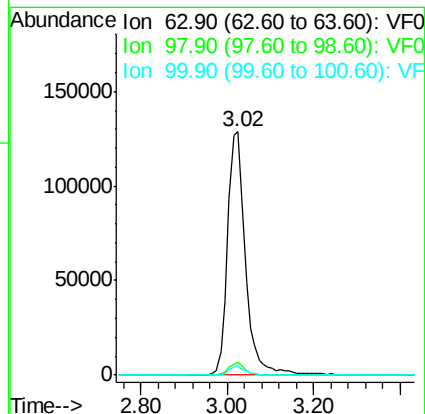
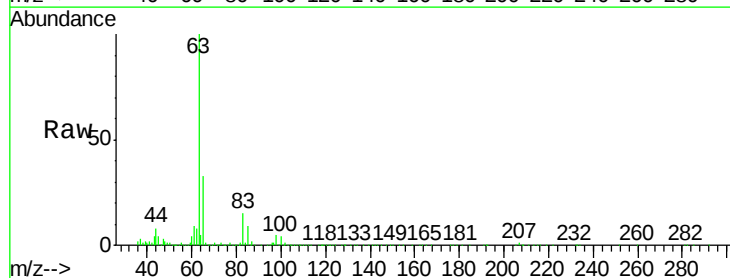
Tgt Ion: 63 Resp: 368043

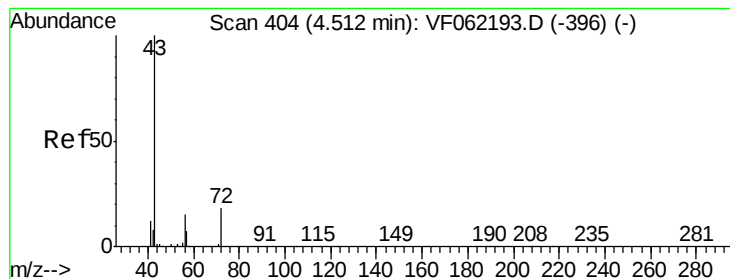
Ion Ratio Lower Upper

63 100

98 5.5 2.3 6.8

100 3.7 1.7 5.0





#25

2-Butanone

Concen: 235.917 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

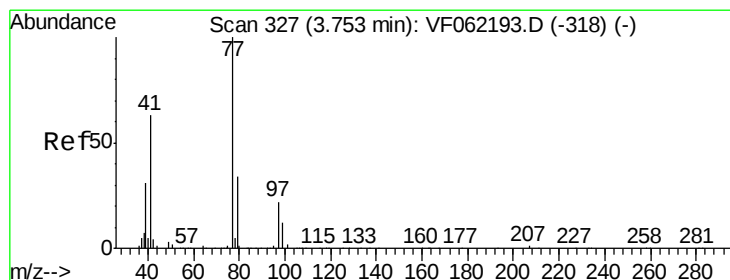
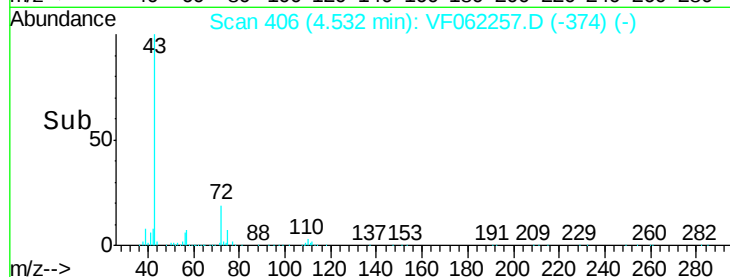
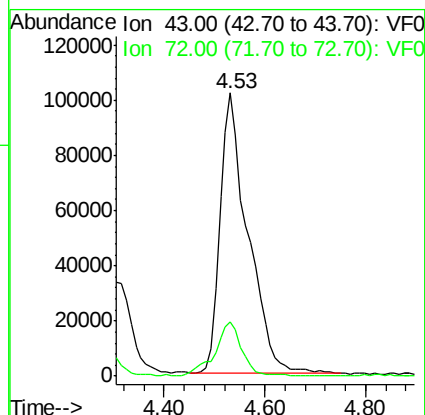
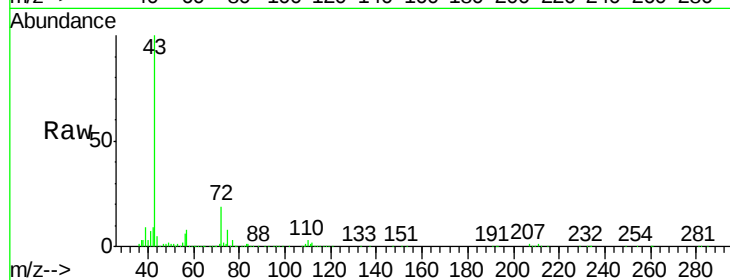
VSTDCCC050

Tot Ion: 43 Resp: 392424

Ion Ratio Lower Upper

43 100

72 19.3 16.1 24.1



#26

2,2-Dichloropropane

Concen: 59.408 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.03 min

Lab File: VF062257.D

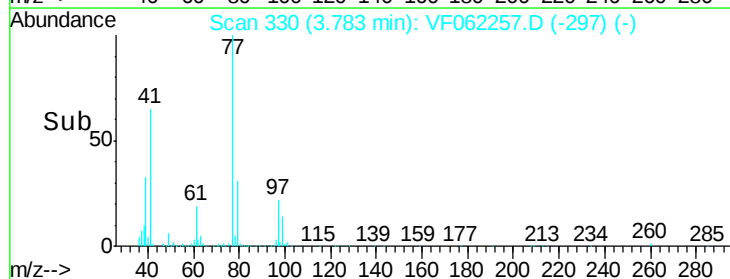
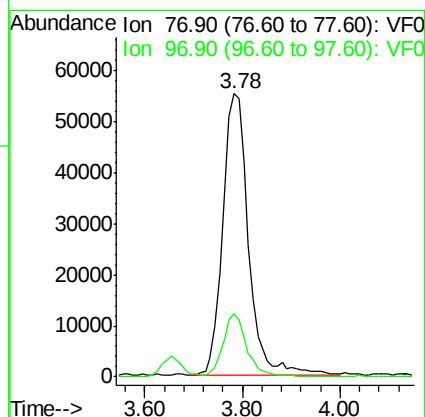
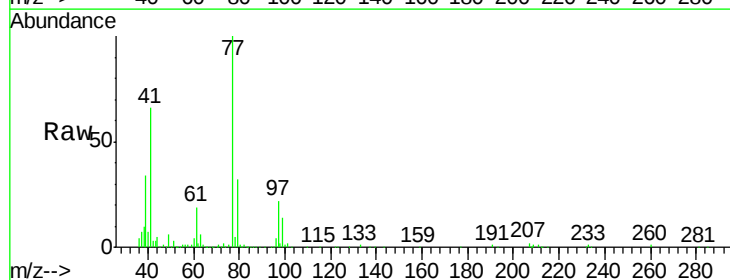
Acq: 23 Apr 2019 10:36

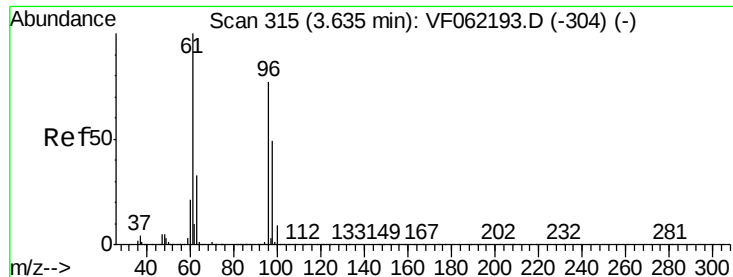
Tgt Ion: 77 Resp: 203652

Ion Ratio Lower Upper

77 100

97 20.0 11.1 33.3



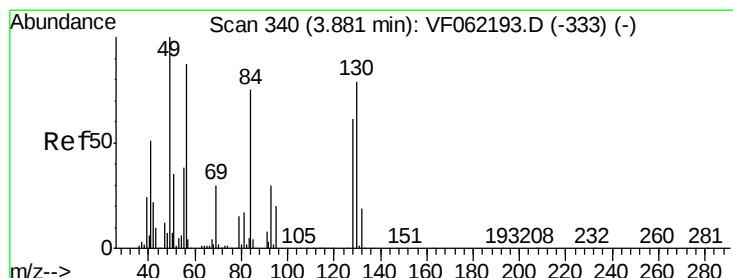
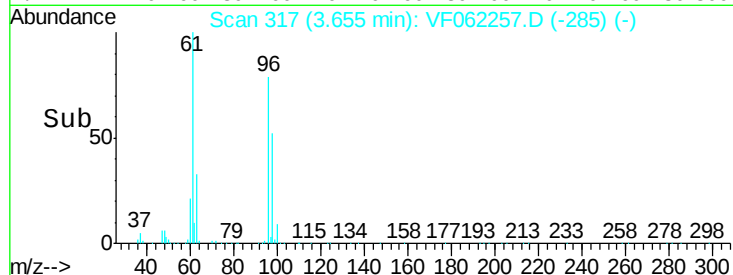
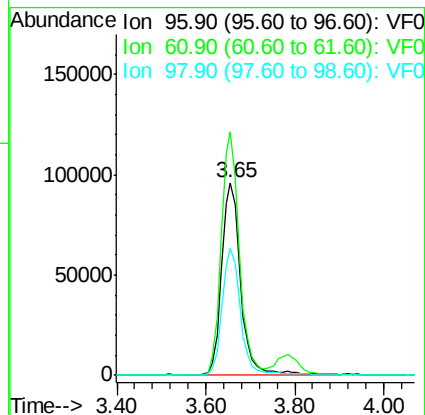
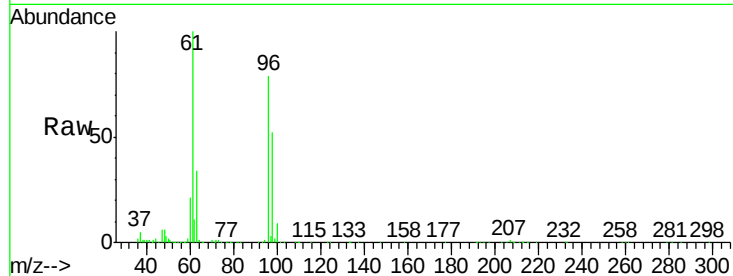


#27

cis-1,2-Dichloroethene
Concen: 51.857 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

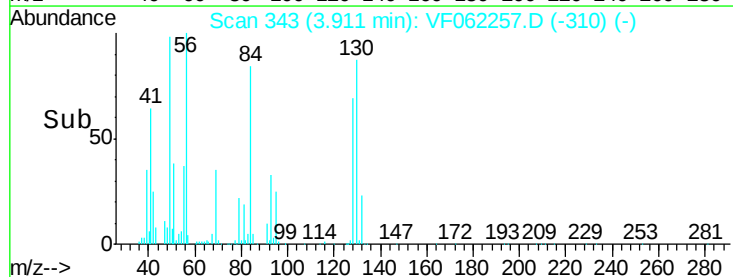
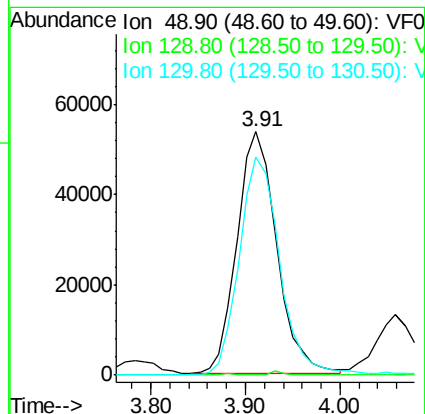
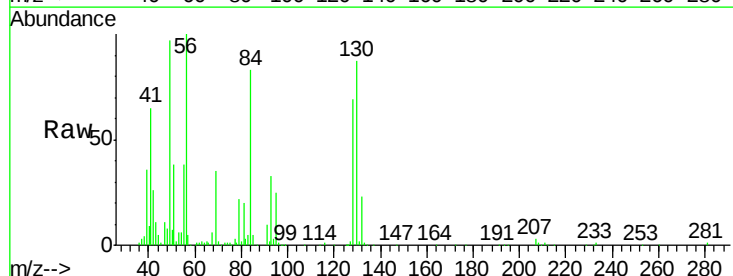
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.1	0.0	253.6
98	66.0	0.0	124.8

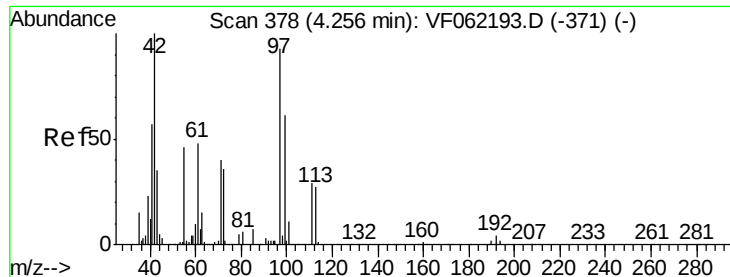


#28

Bromochloromethane
Concen: 48.118 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	0.0#
130	93.3	66.6	100.0





#29

Tetrahydrofuran

Concen: 211.099 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

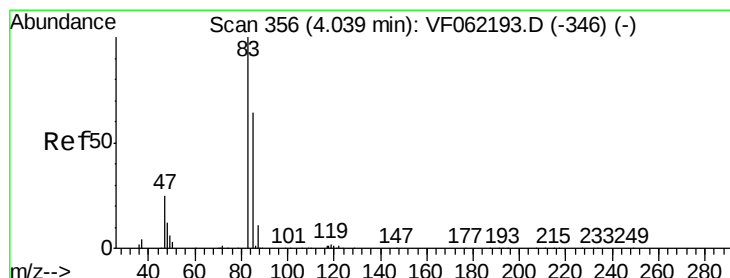
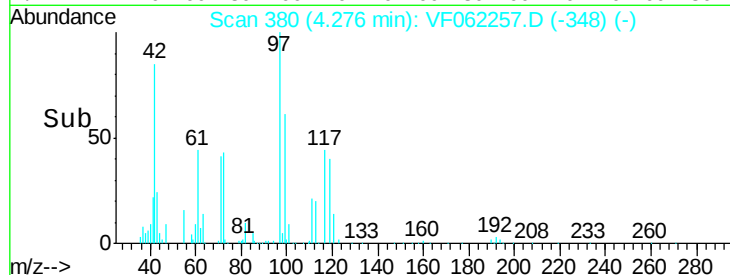
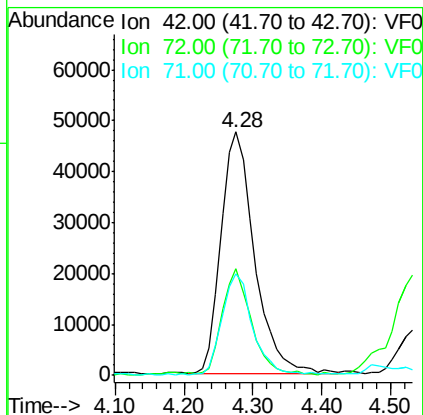
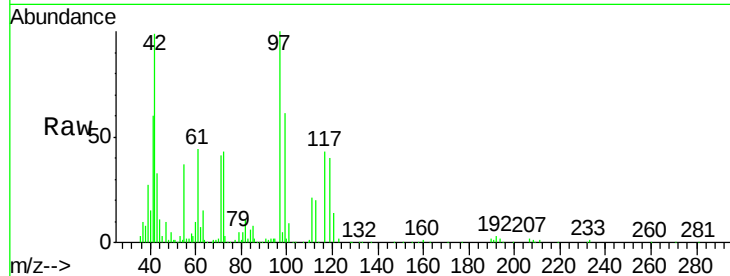
Tot Ion: 42 Resp: 158939

Ion Ratio Lower Upper

42 100

72 38.2 28.6 43.0

71 38.1 29.2 43.8



#30

Chloroform

Concen: 51.647 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF062257.D

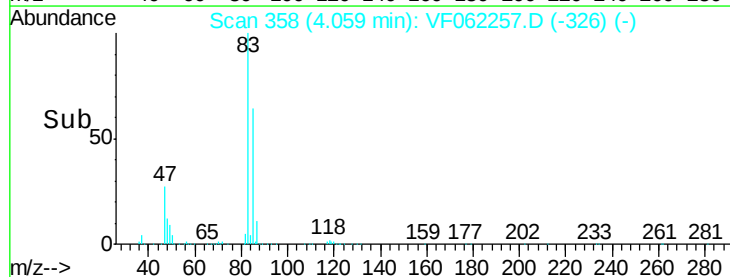
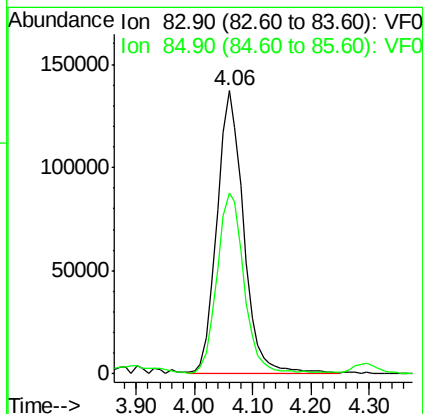
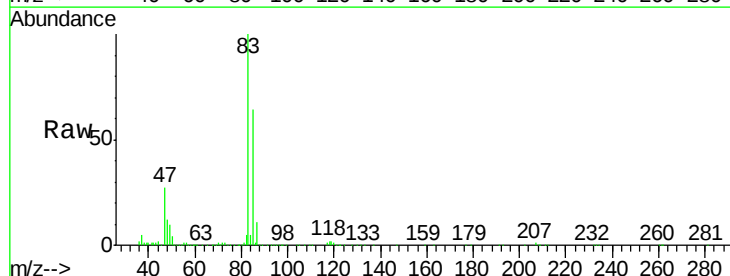
Acq: 23 Apr 2019 10:36

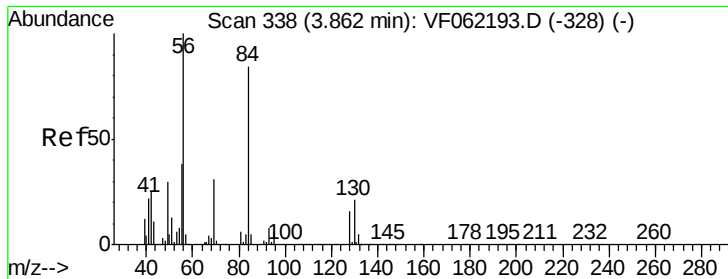
Tgt Ion: 83 Resp: 430970

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.8

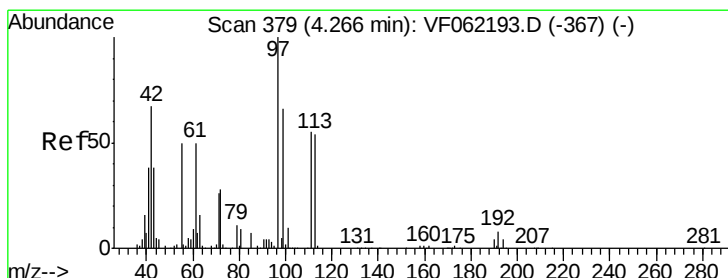
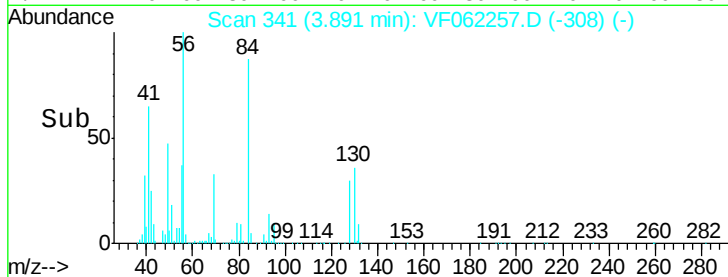
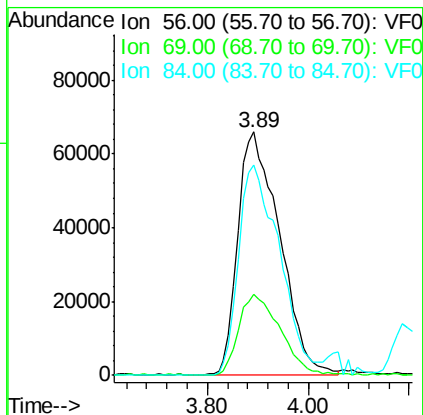
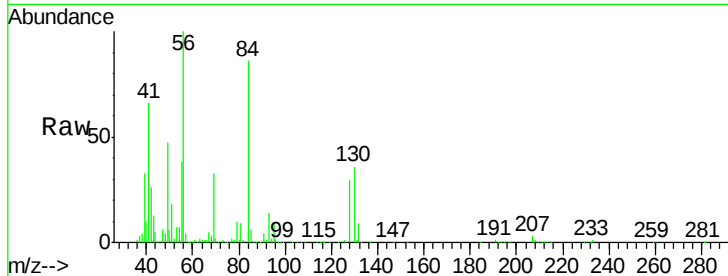




#31
Cyclohexane
Concen: 46.234 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

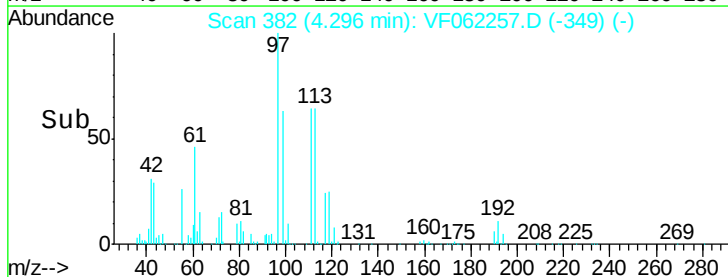
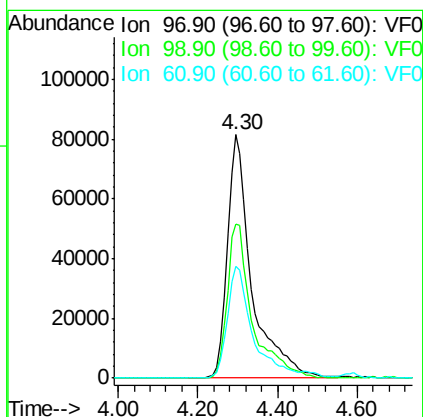
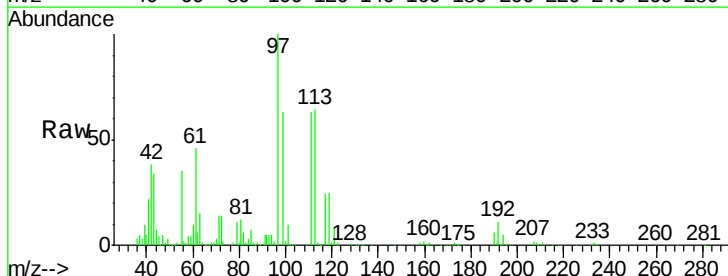
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

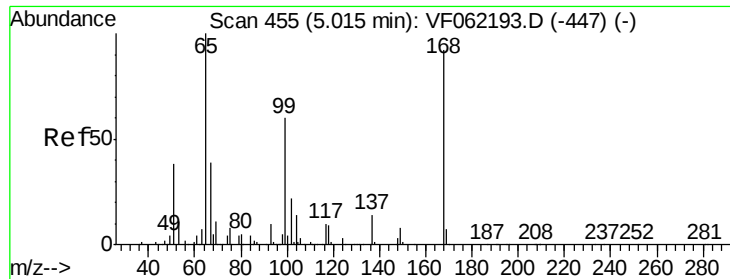
Tot Ion: 56 Resp: 376198
Ion Ratio Lower Upper
56 100
69 33.1 25.1 37.7
84 86.2 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 57.494 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 97 Resp: 351176
Ion Ratio Lower Upper
97 100
99 65.0 52.7 79.1
61 47.2 53.0 79.4#





#33

1,2-Dichloroethane-d4

Concen: 58.431 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

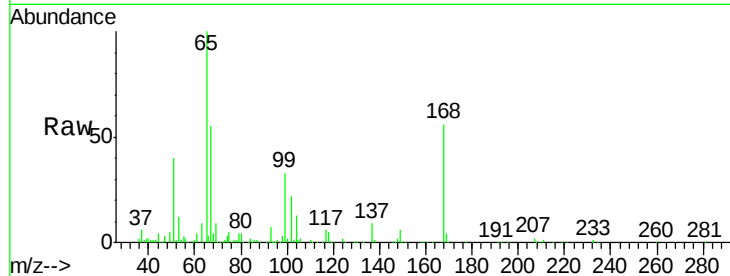
VSTDCCC050

Tot Ion: 65 Resp: 203357

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.03

80000

60000

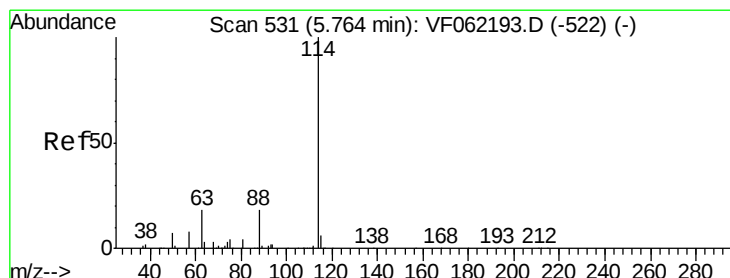
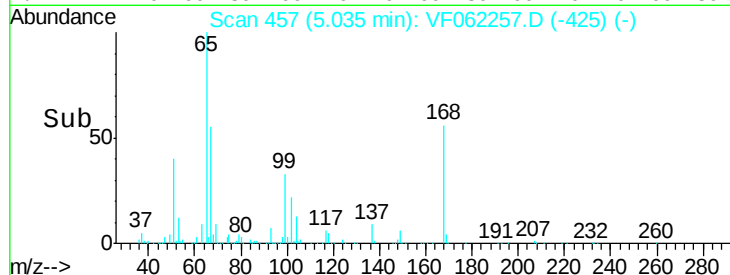
40000

20000

0

Time-->

4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

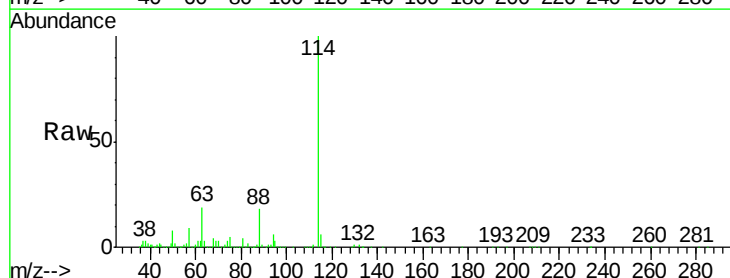
Tgt Ion: 114 Resp: 597017

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.6

88 17.5 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

300000

250000

200000

150000

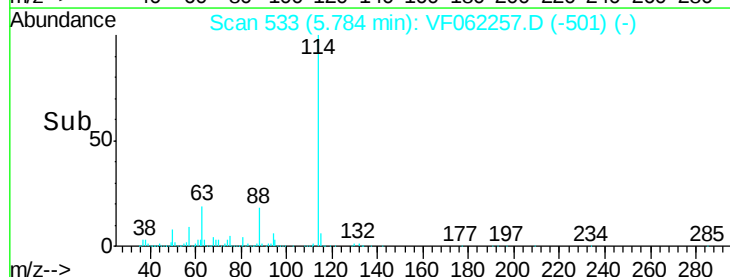
100000

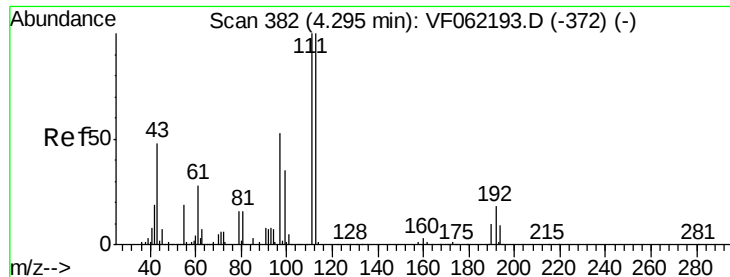
50000

0

Time-->

5.60 5.70 5.80 5.90 6.00

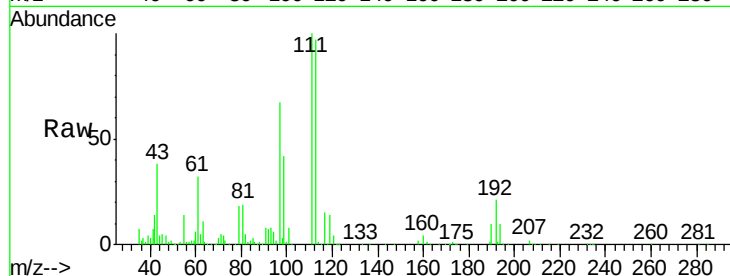




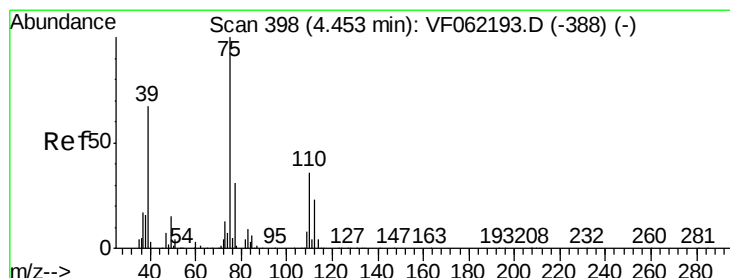
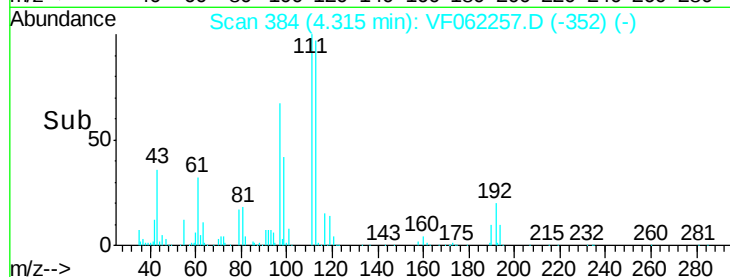
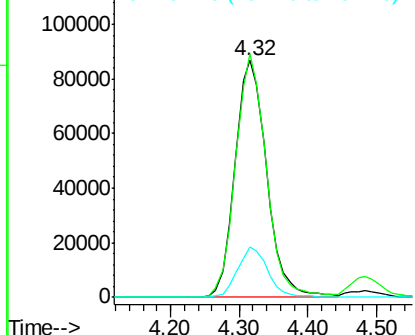
#35
 Dibromofluoromethane
 Concen: 53.082 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	81.1	121.7
192	20.3	14.7	22.1

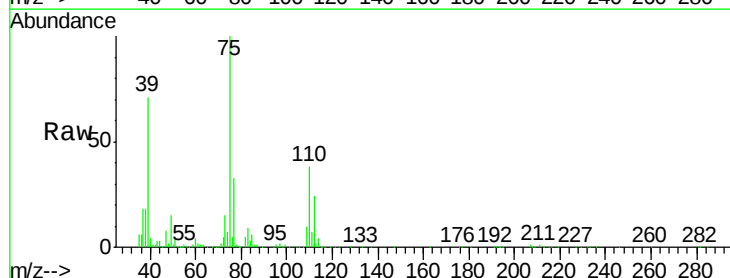


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

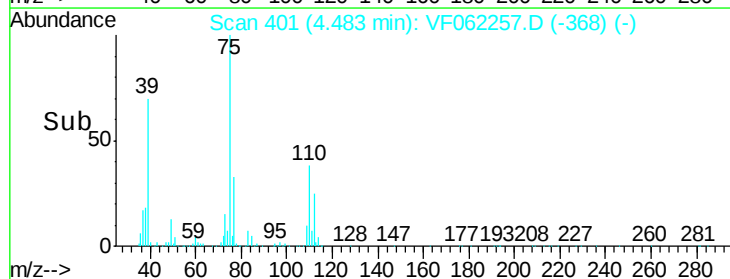
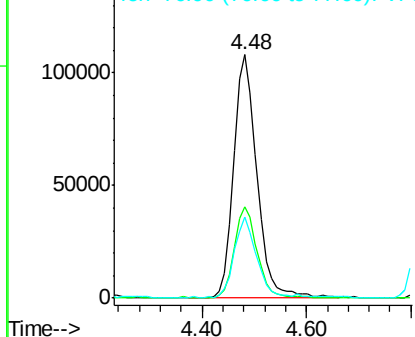


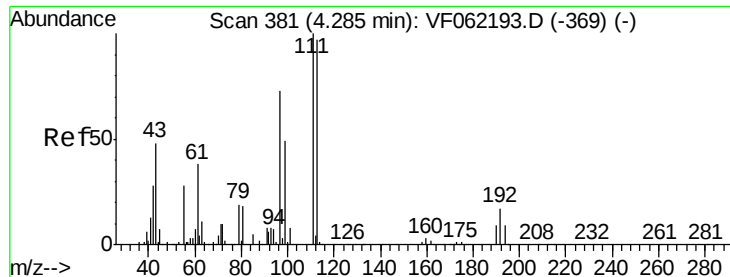
#36
 1,1-Dichloropropene
 Concen: 46.160 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.03 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	31.3	25.4	38.2



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 38.937 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

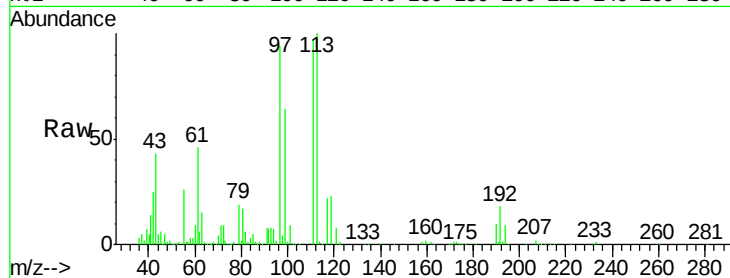
Tot Ion: 43 Resp: 131517

Ion Ratio Lower Upper

43 100

61 126.1 0.0 0.0#

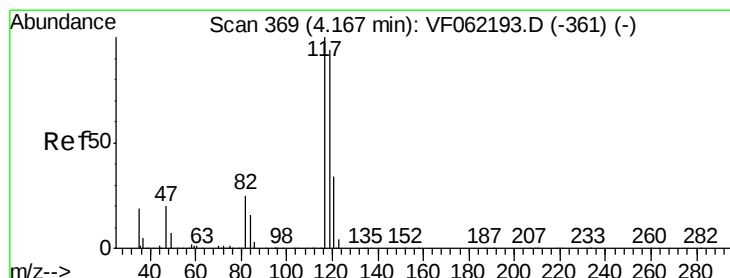
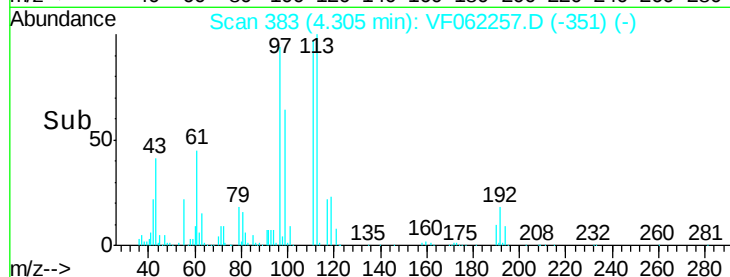
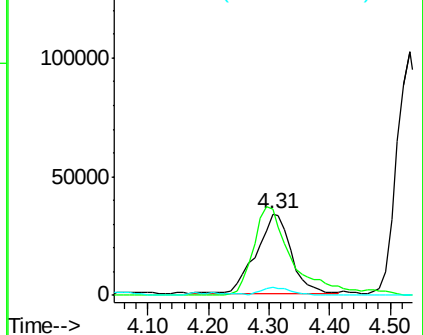
70 9.0 7.8 11.6



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: 64.746 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.03 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

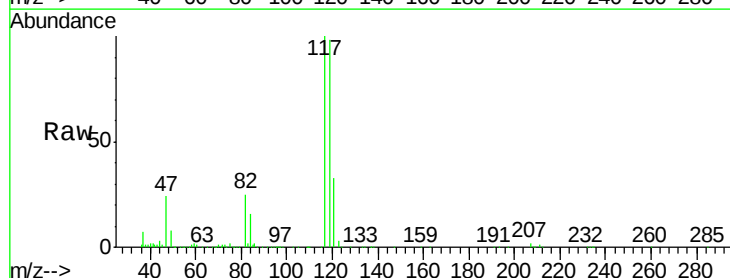
Tgt Ion: 117 Resp: 410215

Ion Ratio Lower Upper

117 100

119 98.2 75.0 112.4

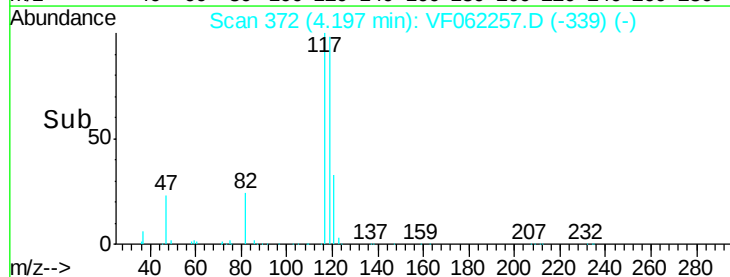
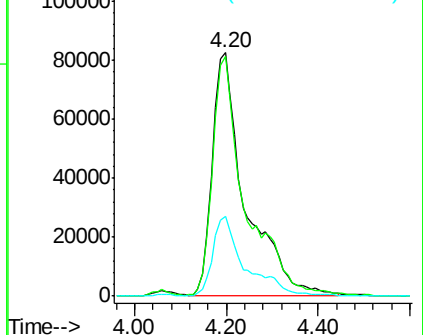
121 32.6 26.9 40.3

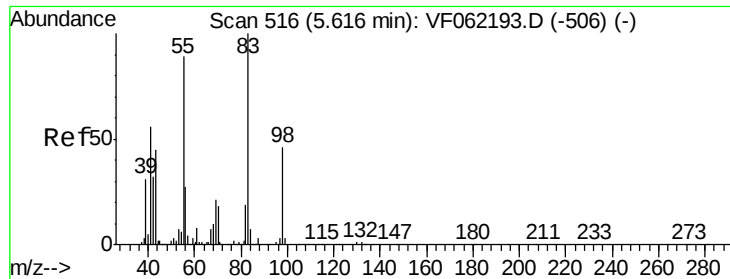


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

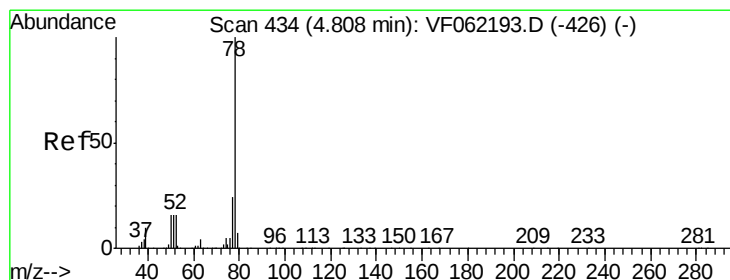
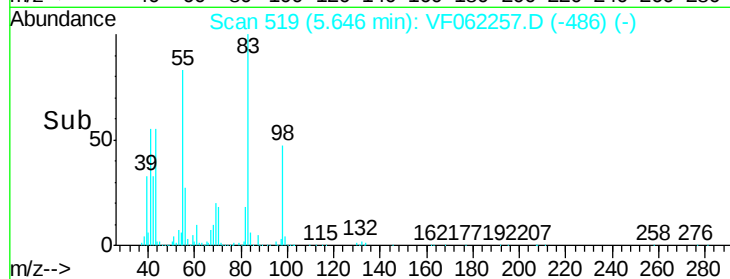
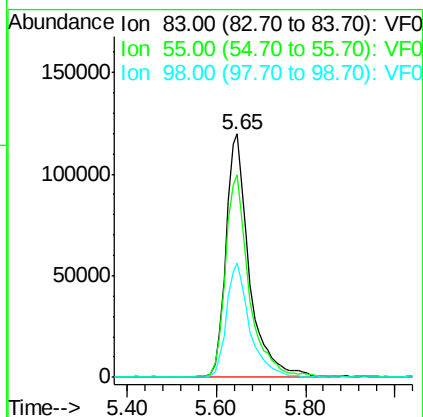
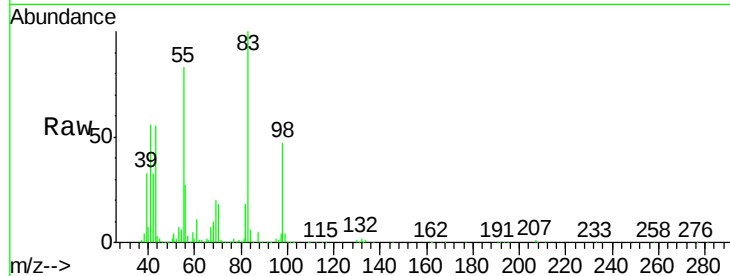




#39
Methvlcvclohexane
Concen: 51.169 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

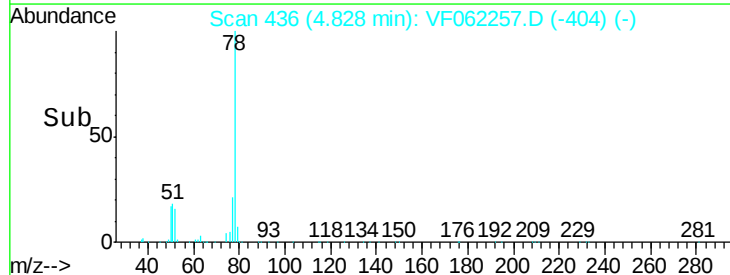
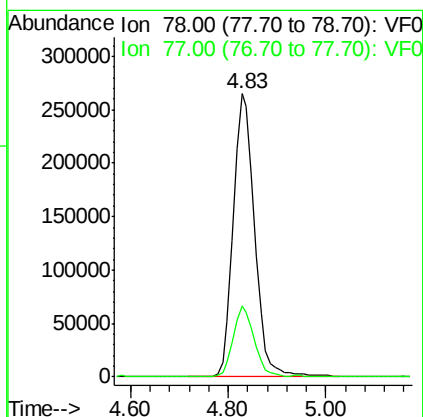
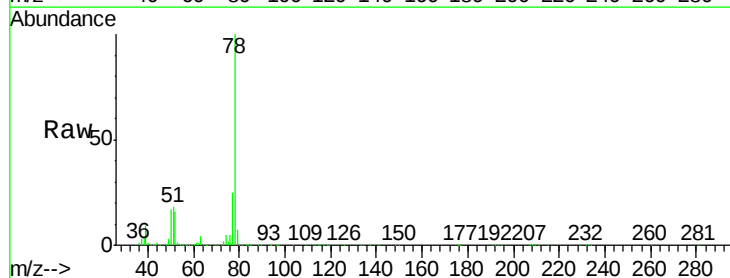
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

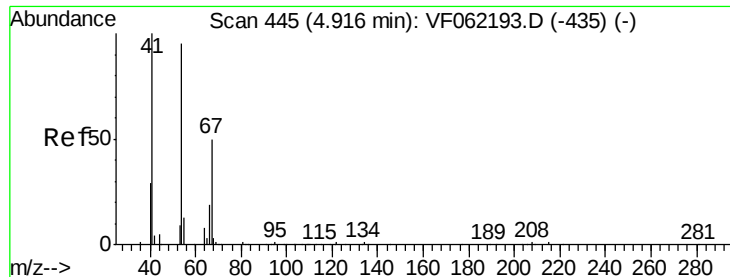
Tot Ion: 83 Resp: 438528
Ion Ratio Lower Upper
83 100
55 83.1 71.0 106.6
98 46.7 36.7 55.1



#40
Benzene
Concen: 43.148 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 78 Resp: 810102
Ion Ratio Lower Upper
78 100
77 24.9 18.9 28.3

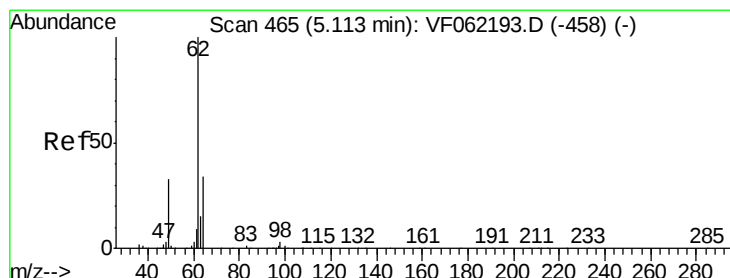
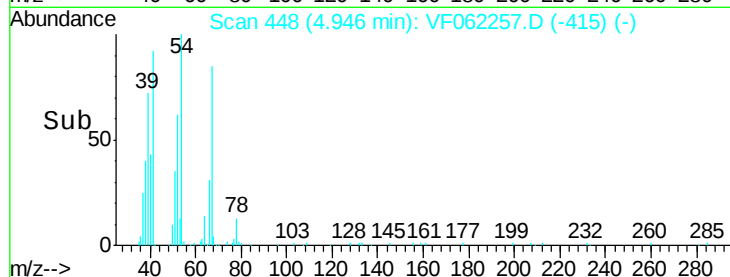
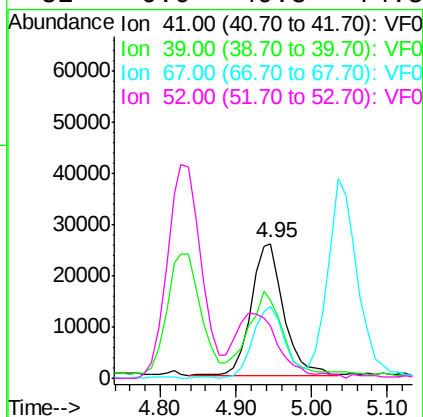
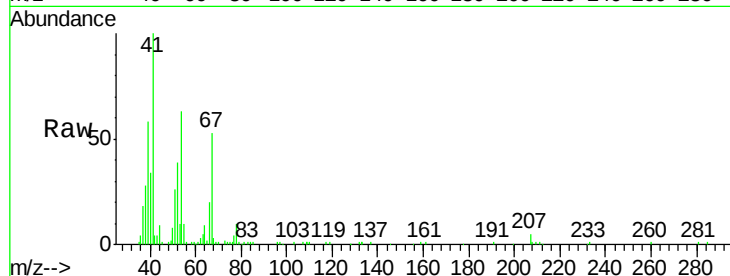




#41
Methacrylonitrile
Concen: 40.549 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

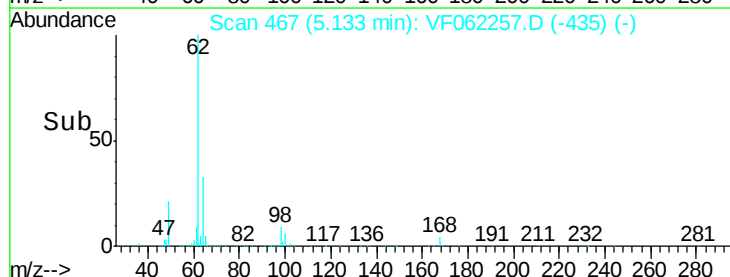
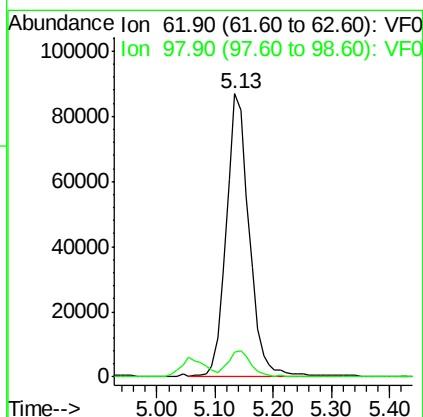
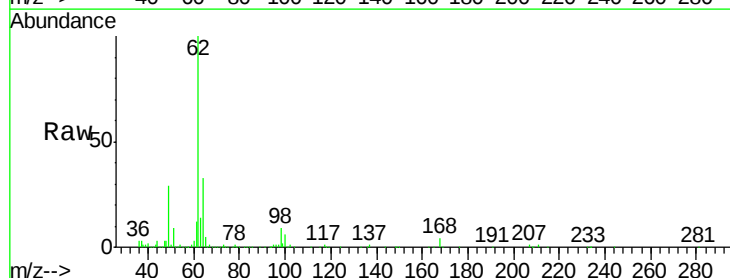
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

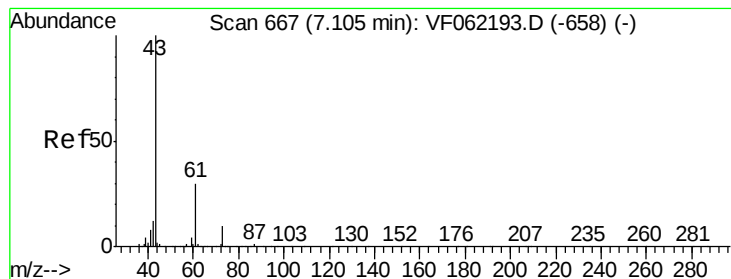
Tot Ion: 41 Resp: 79002
Ion Ratio Lower Upper
41 100
39 60.2 44.7 67.1
67 50.9 39.1 58.7
52 0.0 49.8 74.8#



#42
1,2-Dichloroethane
Concen: 48.121 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 62 Resp: 238843
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.0





#43

Isopropyl Acetate

Concen: 42.360 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

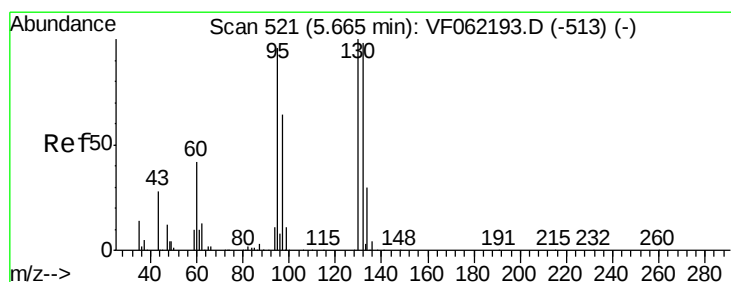
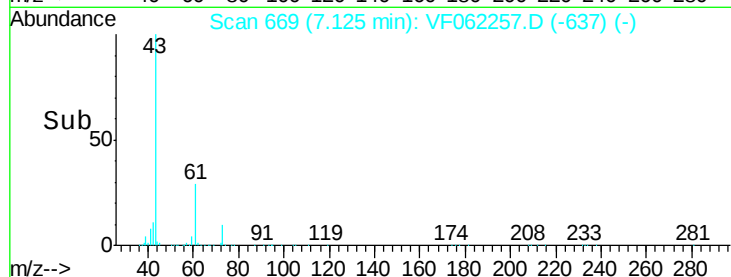
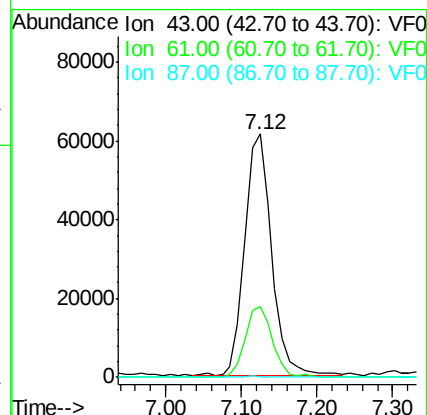
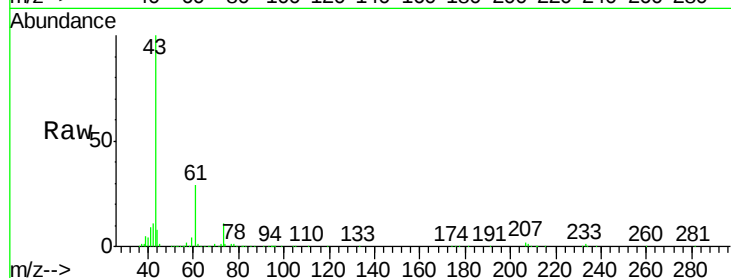
Tot Ion: 43 Resp: 150483

Ion Ratio Lower Upper

43 100

61 29.9 24.4 36.6

87 0.4 0.4 0.6#



#44

Trichloroethene

Concen: 53.890 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.03 min

Lab File: VF062257.D

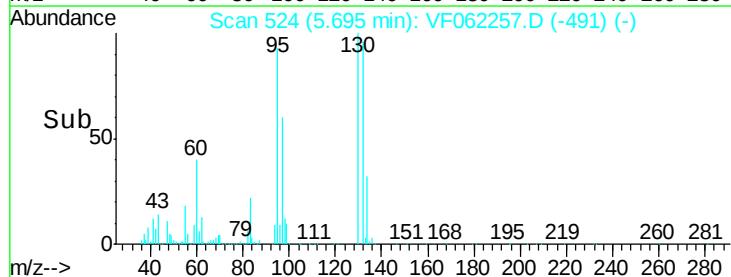
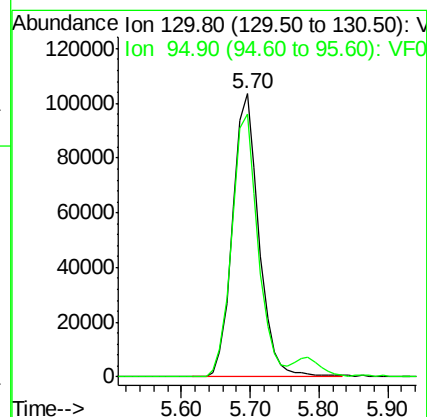
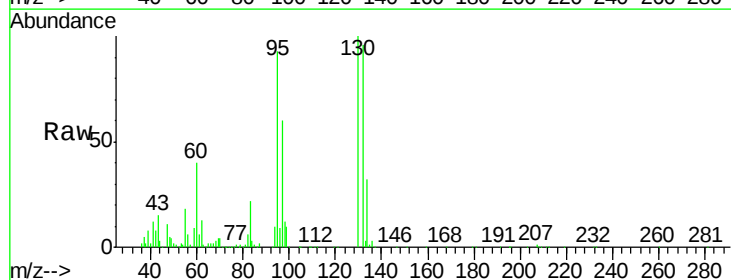
Acq: 23 Apr 2019 10:36

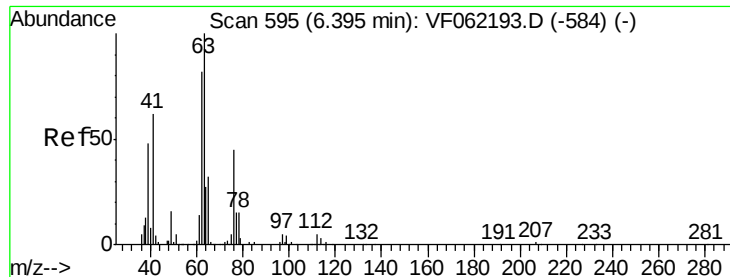
Tgt Ion: 130 Resp: 273401

Ion Ratio Lower Upper

130 100

95 92.5 0.0 191.4





#45

1,2-Dichloropropane

Concen: 48.174 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

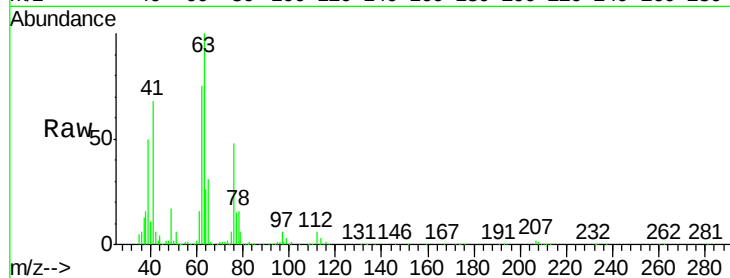
VSTDCCC050

Tot Ion: 63 Resp: 199228

Ion Ratio Lower Upper

63 100

65 30.9 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.41

80000

60000

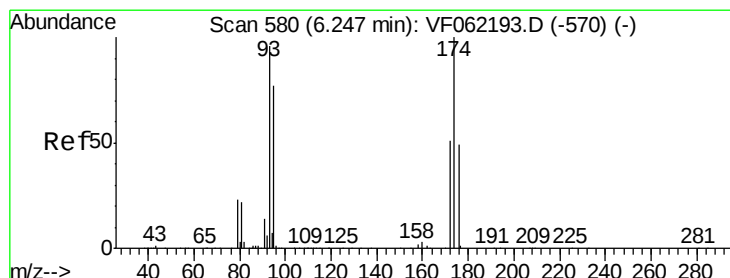
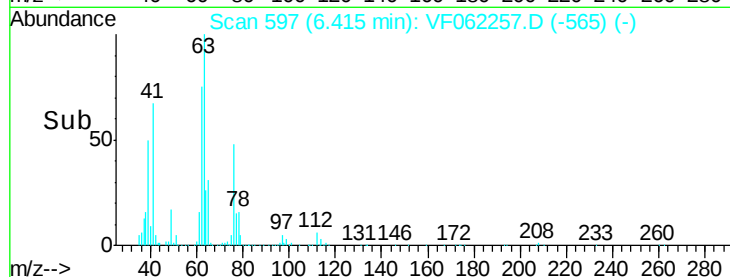
40000

20000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 50.950 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

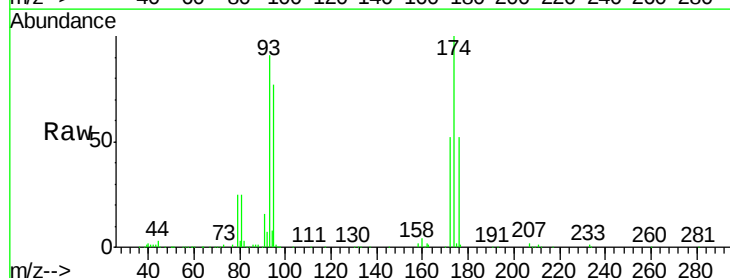
Tgt Ion: 93 Resp: 140189

Ion Ratio Lower Upper

93 100

95 85.3 65.1 97.7

174 114.6 81.8 122.6



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V

80000

60000

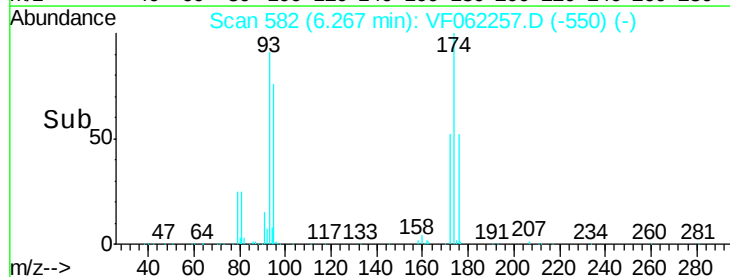
40000

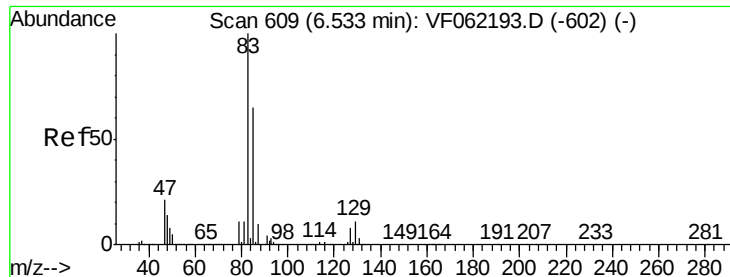
20000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#47

Bromodichloromethane

Concen: 50.715 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.03 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

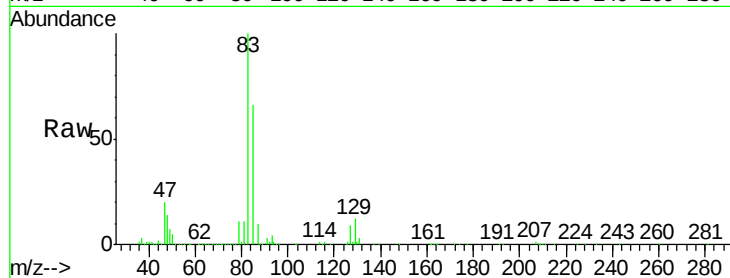
Tot Ion: 83 Resp: 314898

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

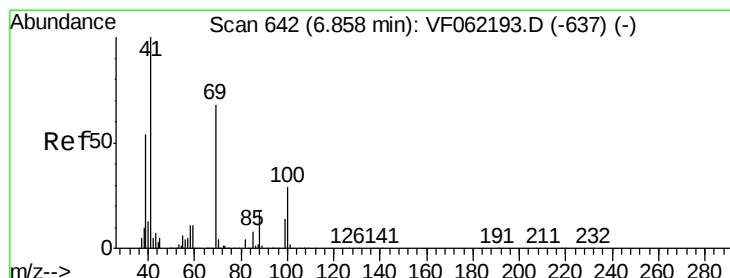
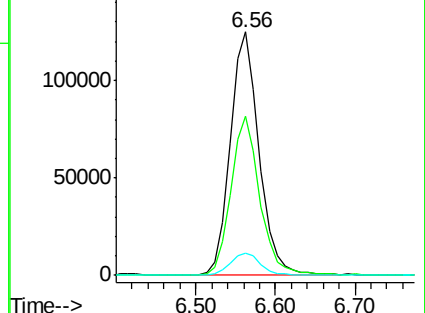
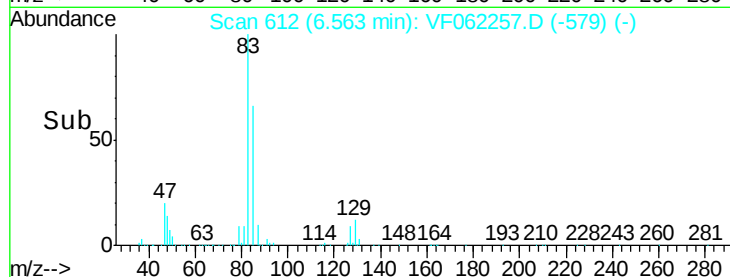
127 9.3 6.7 10.1



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: 41.653 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

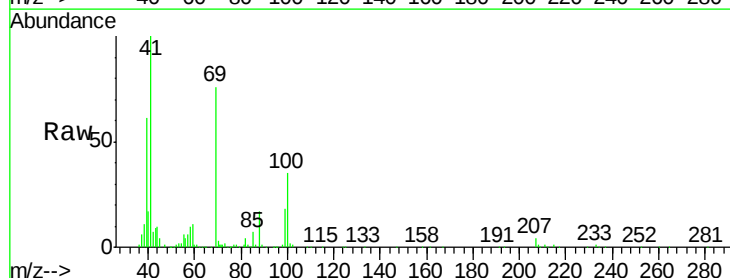
Tgt Ion: 41 Resp: 97246

Ion Ratio Lower Upper

41 100

69 72.9 54.9 82.3

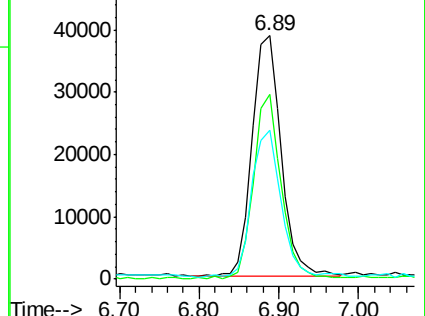
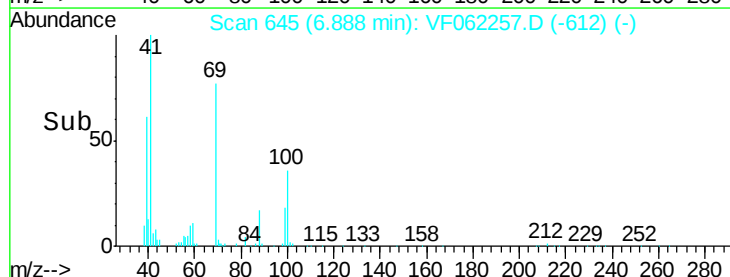
39 61.9 43.6 65.4

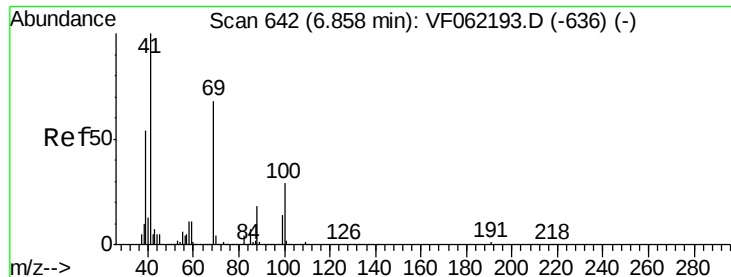


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

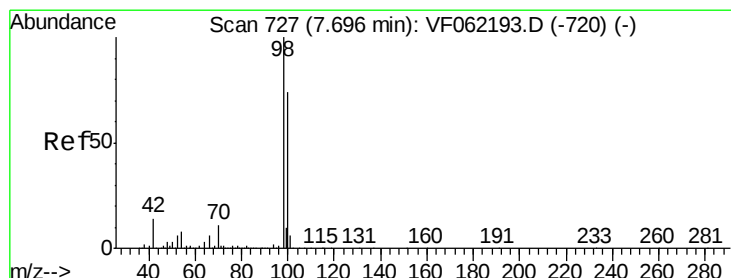
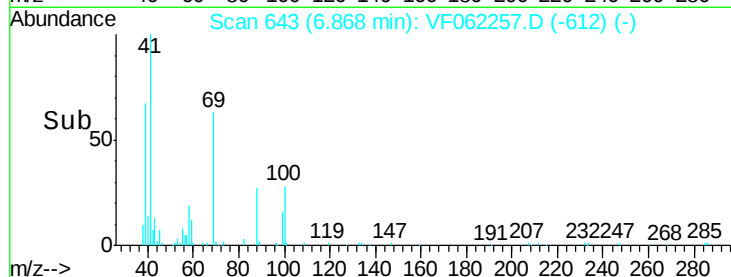
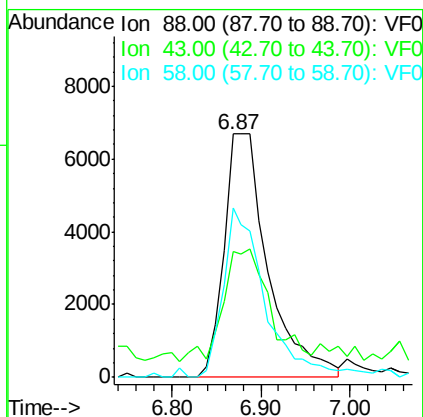
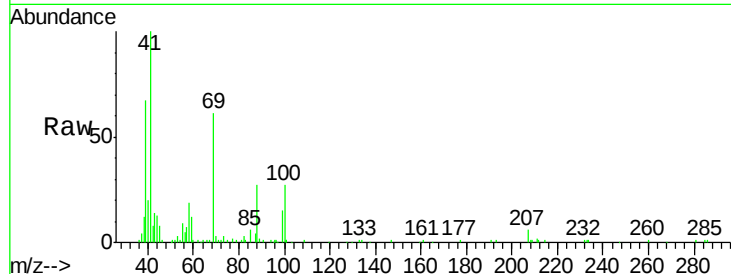




#49
 1,4-Dioxane
 Concen: 867.348 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

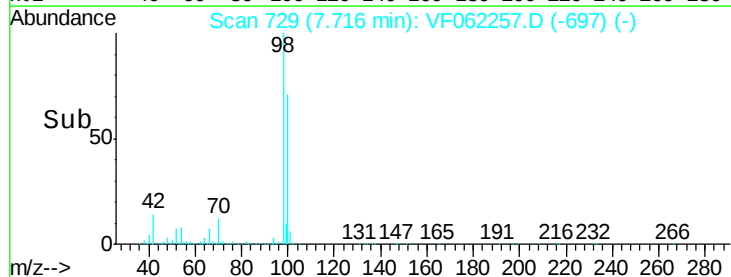
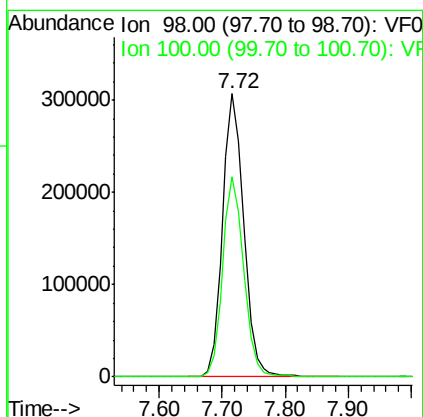
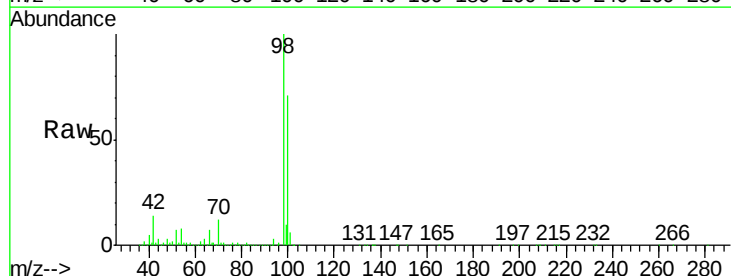
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

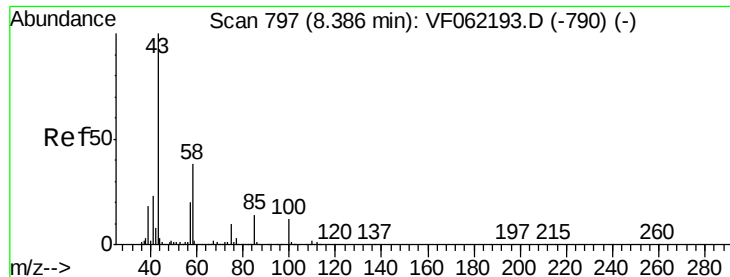
Tot Ion: 88 Resp: 23223
 Ion Ratio Lower Upper
 88 100
 43 48.0 36.9 55.3
 58 66.8 56.8 85.2



#50
 Toluene-d8
 Concen: 54.692 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion: 98 Resp: 723002
 Ion Ratio Lower Upper
 98 100
 100 69.9 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 209.724 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

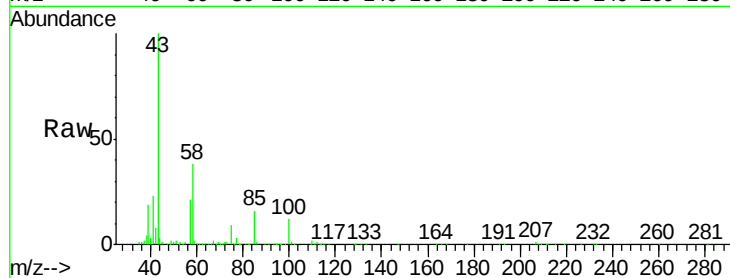
VSTDCCC050

Tot Ion: 43 Resp: 554150

Ion Ratio Lower Upper

43 100

58 36.9 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

250000

200000

150000

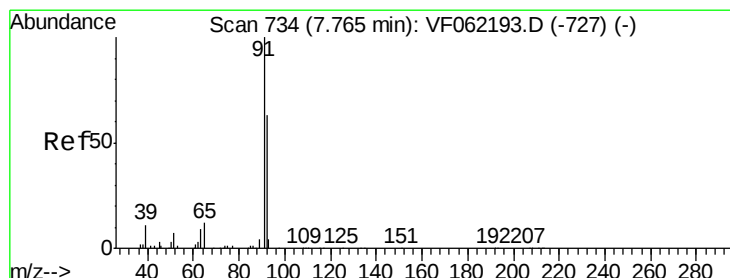
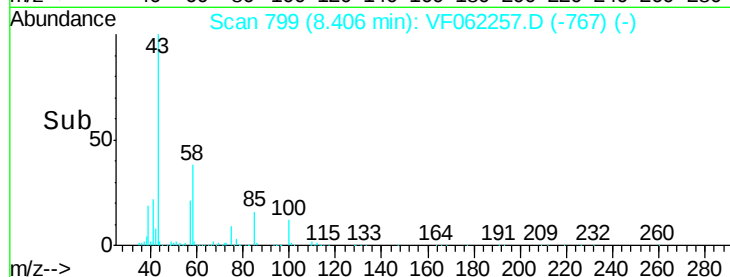
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 48.748 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062257.D

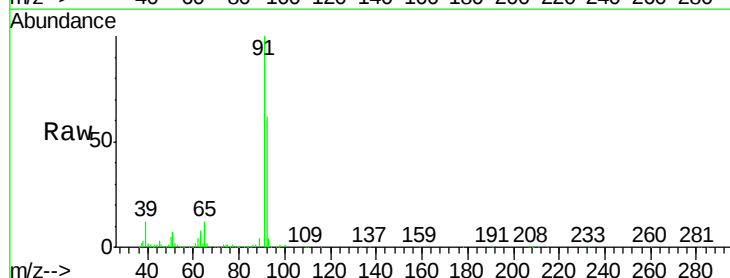
Acq: 23 Apr 2019 10:36

Tgt Ion: 92 Resp: 482445

Ion Ratio Lower Upper

92 100

91 164.6 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

300000

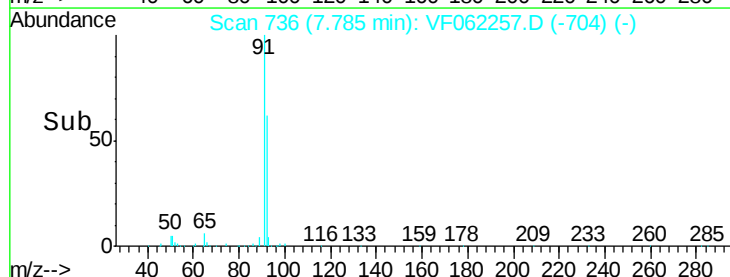
200000

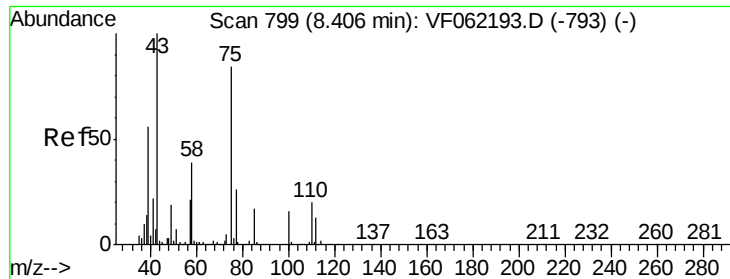
100000

0

7.60 7.80 8.00

Time-->

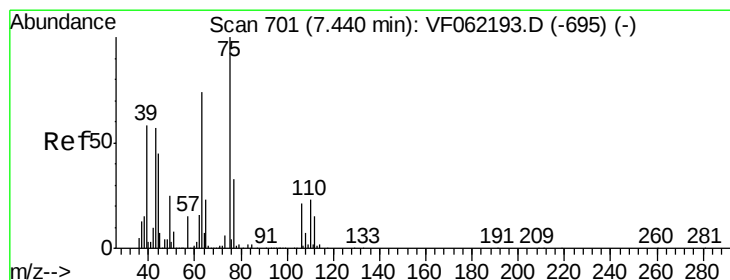
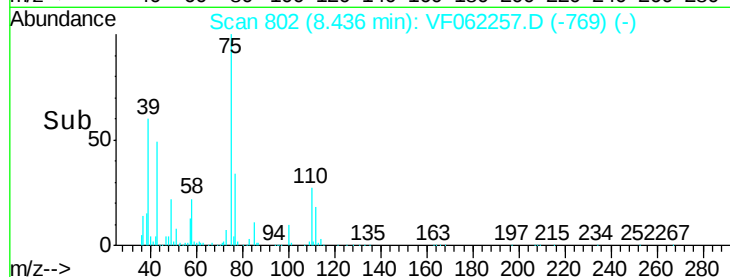
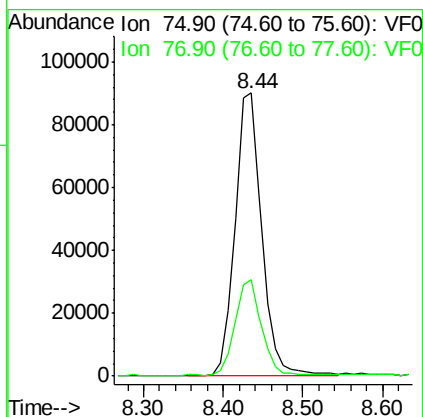
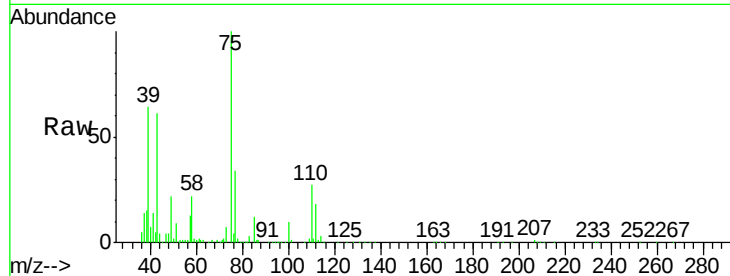




#53
t-1,3-Dichloropropene
Concen: 44.760 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

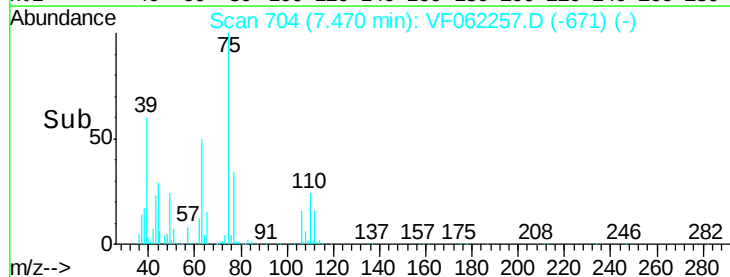
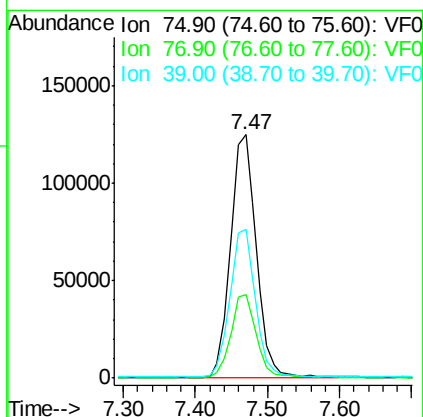
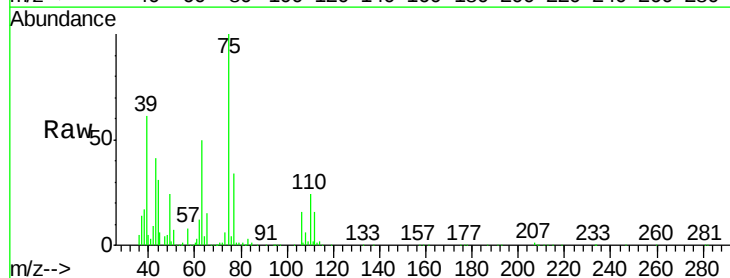
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

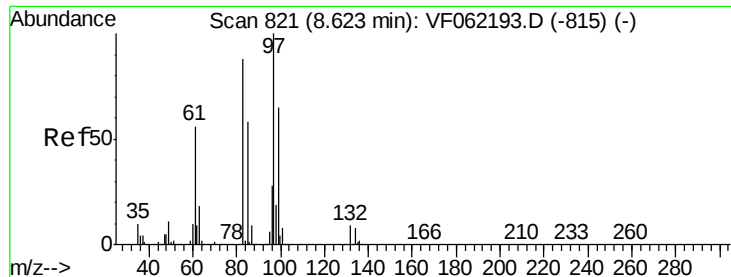
Tot Ion: 75 Resp: 208742
Ion Ratio Lower Upper
75 100
77 33.9 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 49.774 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 75 Resp: 313988
Ion Ratio Lower Upper
75 100
77 33.9 26.4 39.6
39 60.4 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 47.872 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 132723

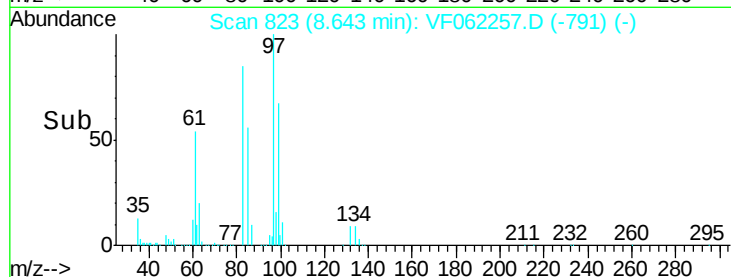
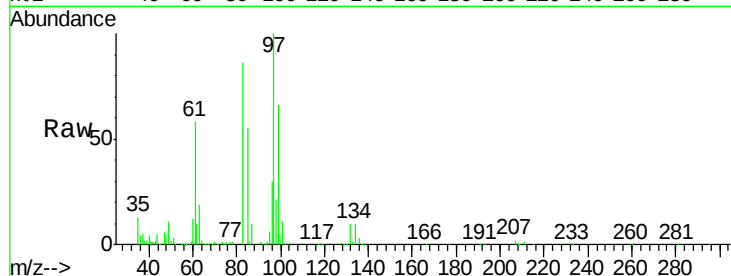
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	54.8	46.2	69.4
99	66.2	52.2	78.4

97 100

83 85.8 70.2 105.2

85 54.8 46.2 69.4

99 66.2 52.2 78.4

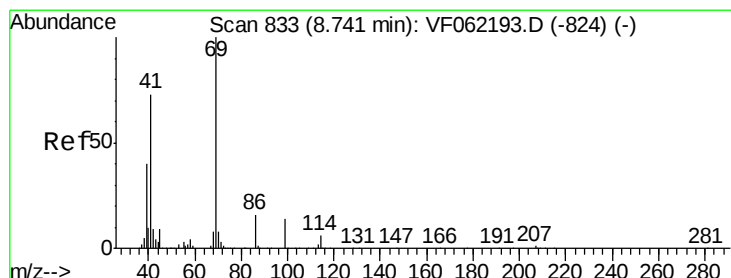
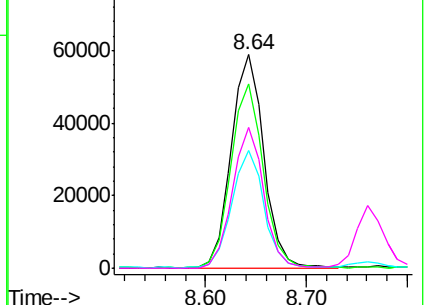


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 46.179 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

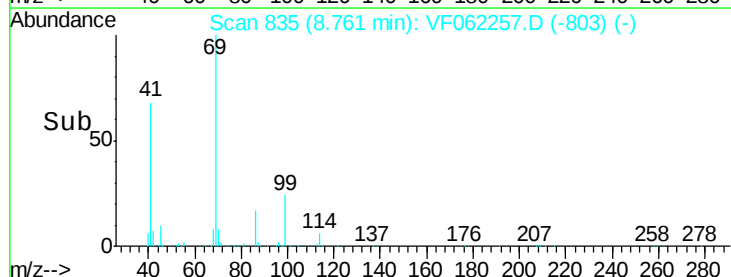
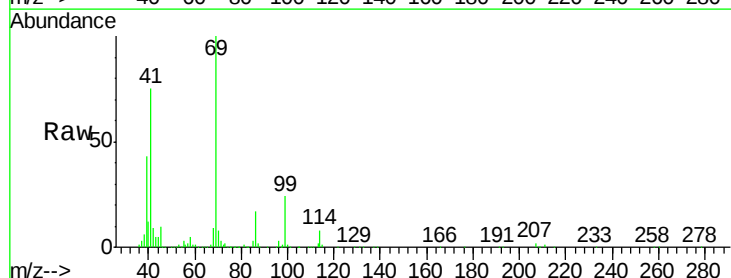
Tgt Ion: 69 Resp: 145564

Ion	Ratio	Lower	Upper
69	100		
41	76.1	61.5	92.3
39	43.7	33.3	49.9

69 100

41 76.1 61.5 92.3

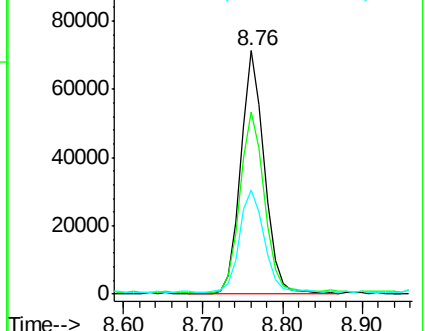
39 43.7 33.3 49.9

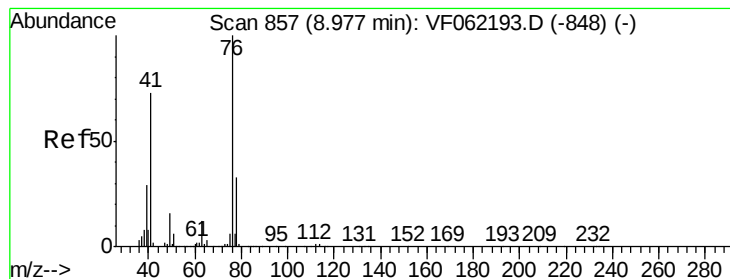


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.083 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

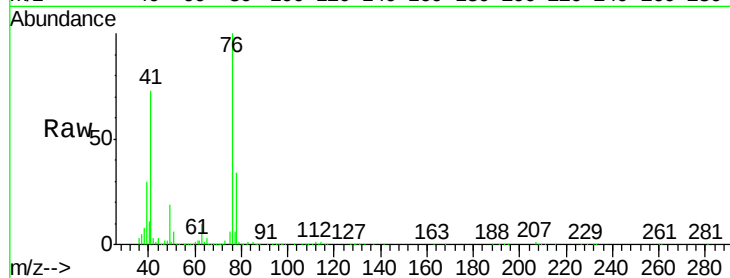
VSTDCCC050

Tot Ion: 76 Resp: 215264

Ion Ratio Lower Upper

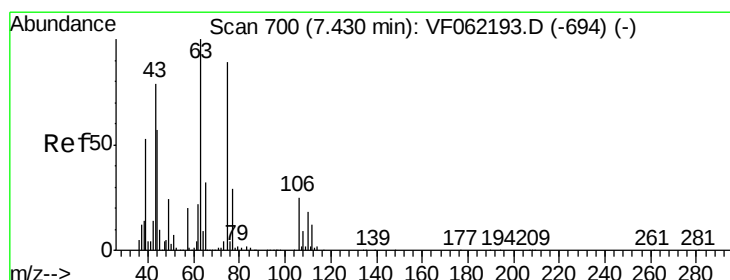
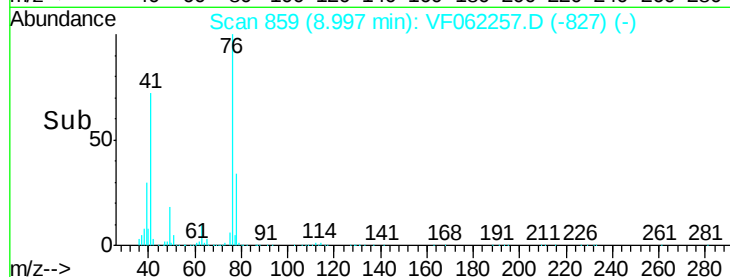
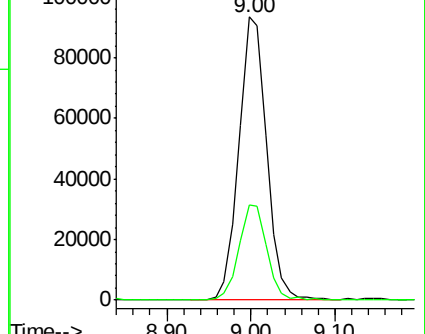
76 100

78 33.6 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 231.472 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062257.D

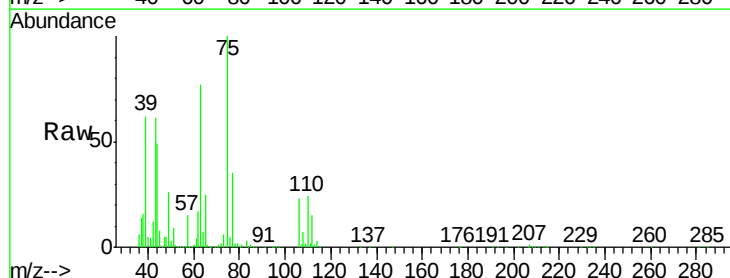
Acq: 23 Apr 2019 10:36

Tgt Ion: 63 Resp: 211838

Ion Ratio Lower Upper

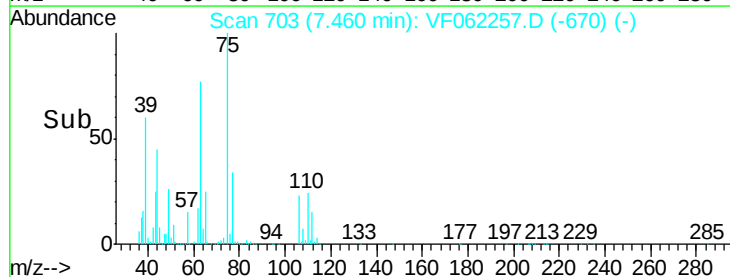
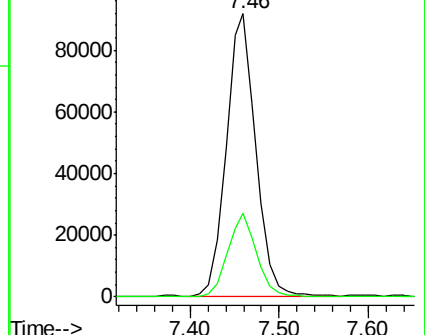
63 100

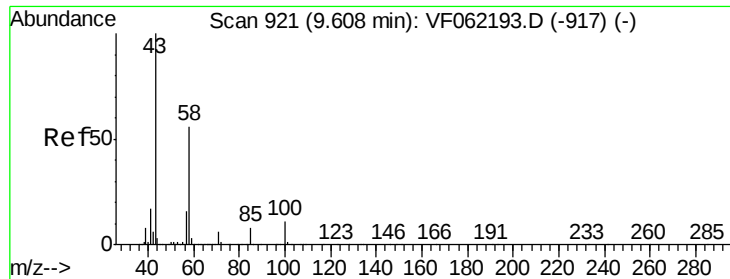
106 29.0 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

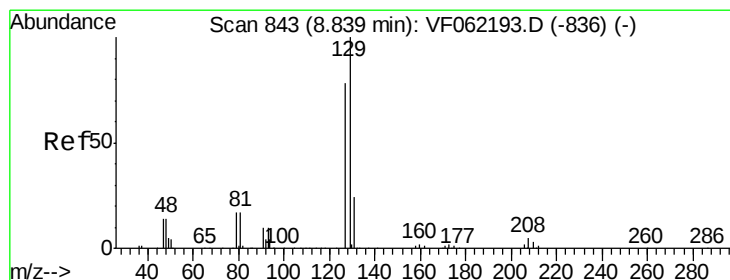
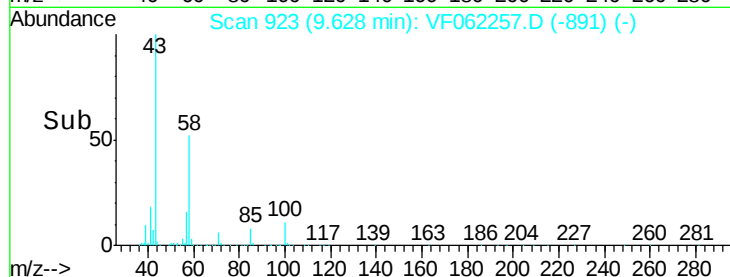
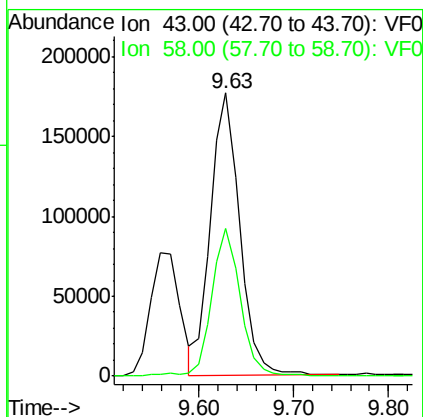
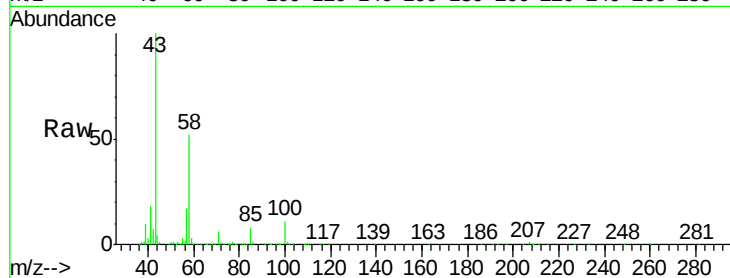




#59
2-Hexanone
Concen: 228.329 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

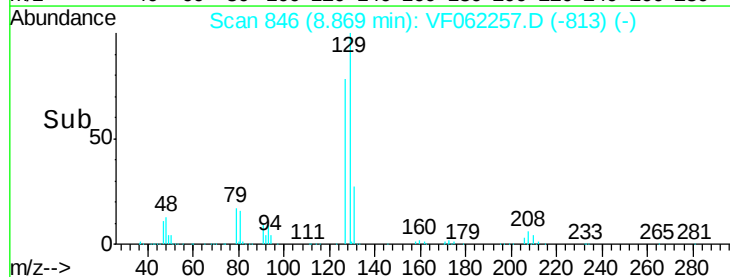
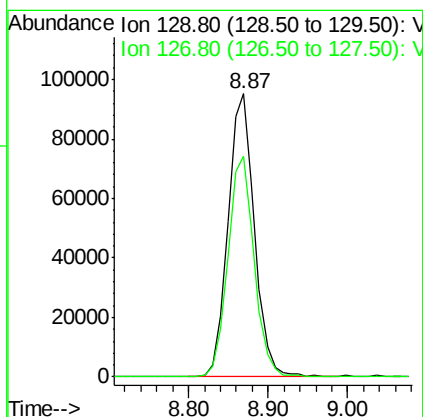
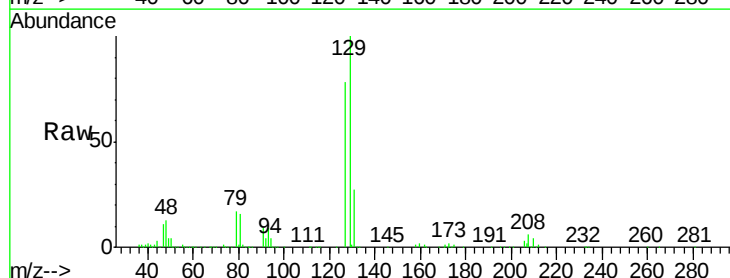
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

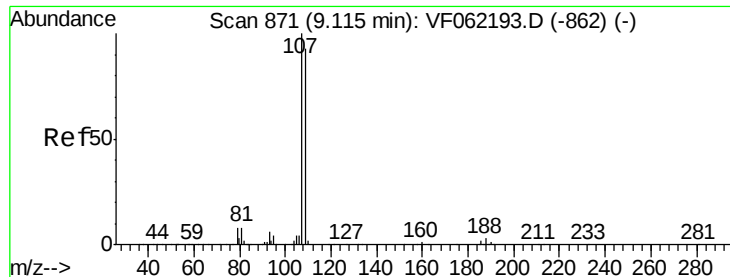
Tot Ion: 43 Resp: 376205
Ion Ratio Lower Upper
43 100
58 52.4 24.6 74.0



#60
Dibromochloromethane
Concen: 53.634 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion:129 Resp: 221142
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0

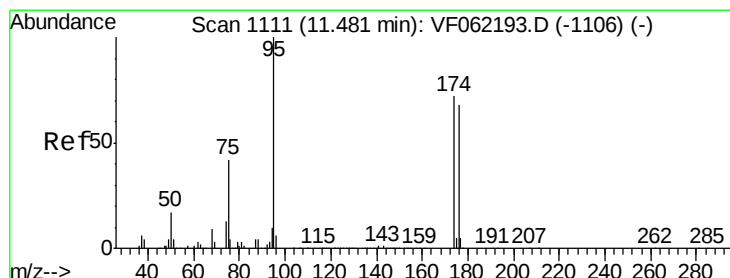
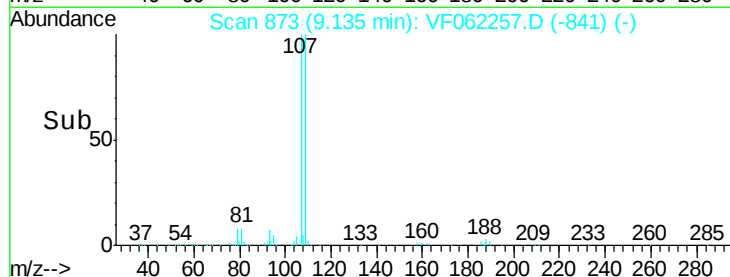
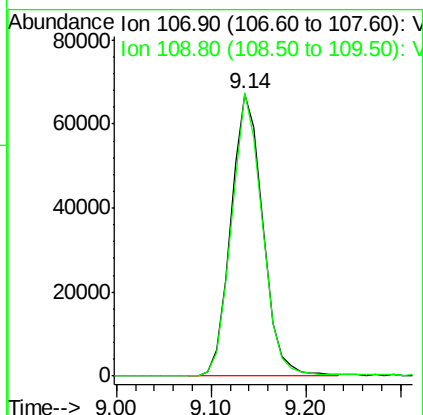
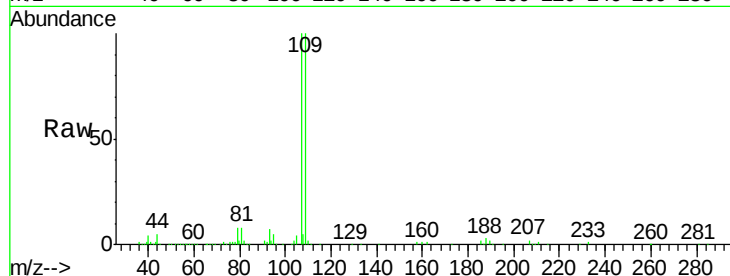




#61
 1,2-Dibromoethane
 Concen: 49.968 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

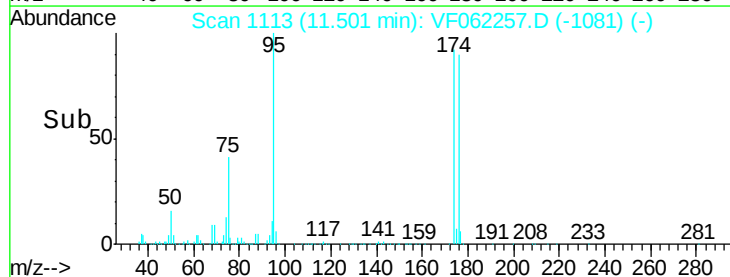
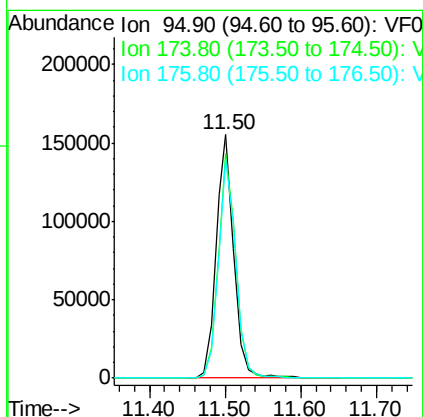
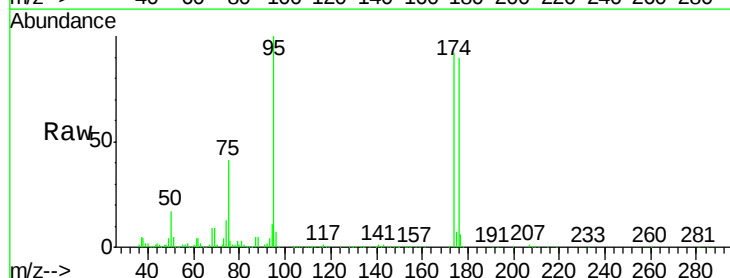
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

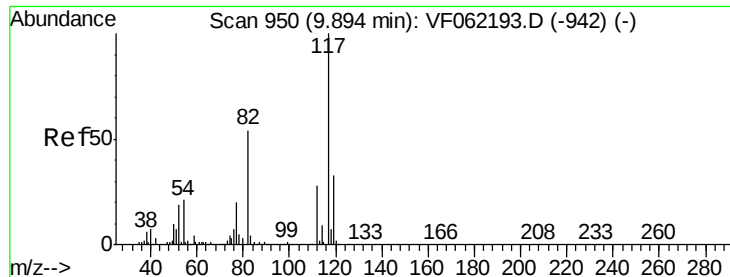
Tot Ion:107 Resp: 156077
 Ion Ratio Lower Upper
 107 100
 109 97.4 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 50.060 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion: 95 Resp: 254580
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 159.4
 176 89.7 0.0 155.4

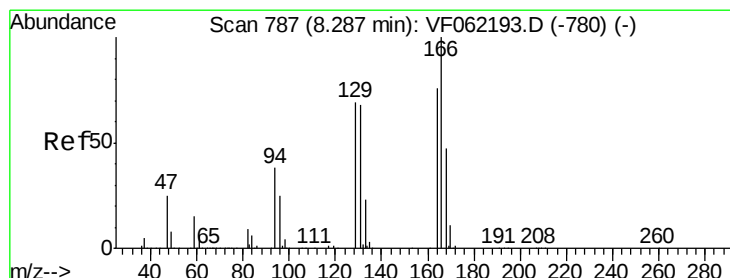
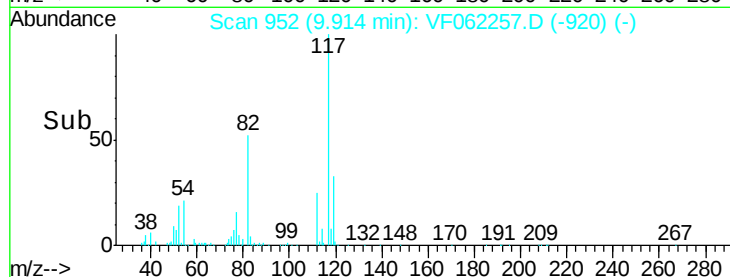
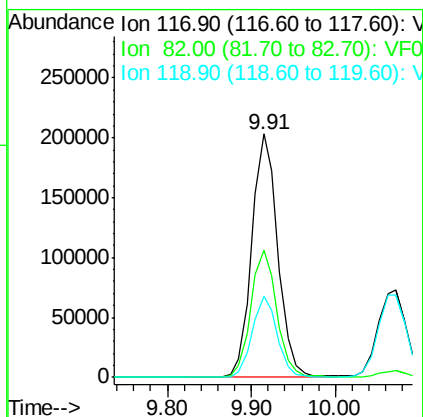
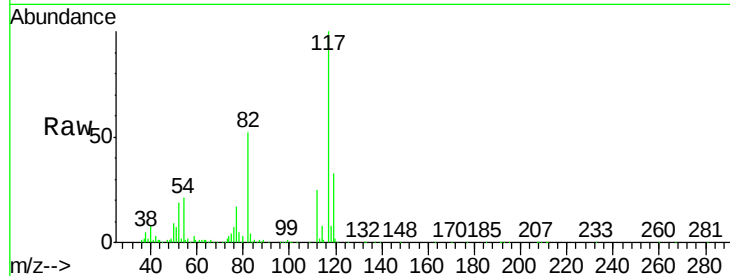




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

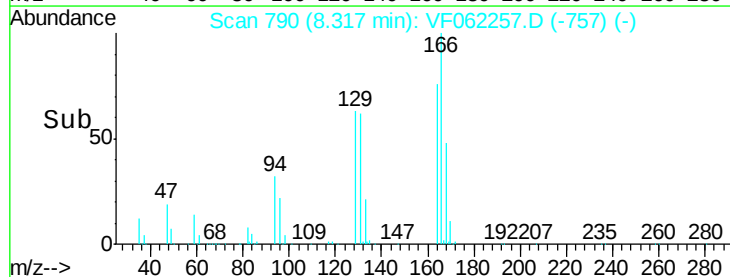
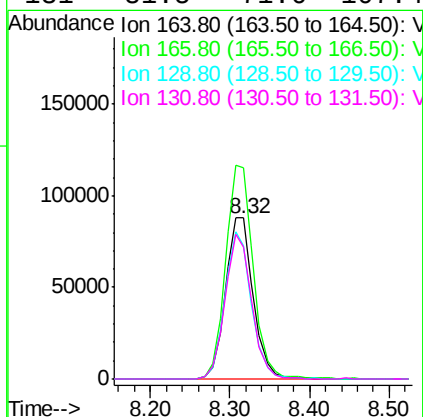
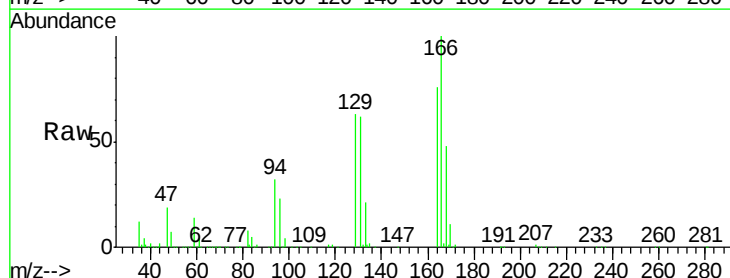
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

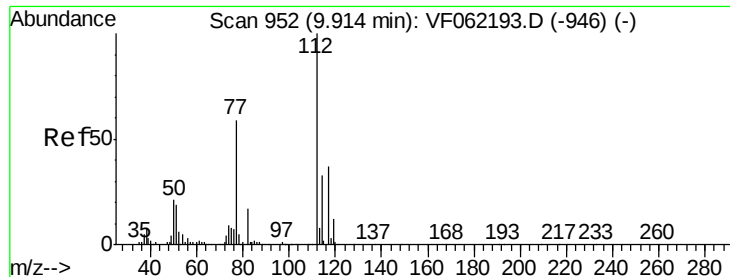
Tot Ion:117 Resp: 441695
Ion Ratio Lower Upper
117 100
82 52.2 43.2 64.8
119 33.3 26.2 39.4



#64
Tetrachloroethene
Concen: 53.790 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion:164 Resp: 214476
Ion Ratio Lower Upper
164 100
166 131.0 104.7 157.1
129 82.4 72.6 109.0
131 81.5 71.6 107.4

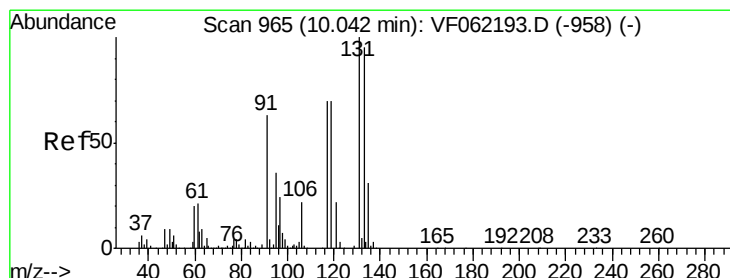
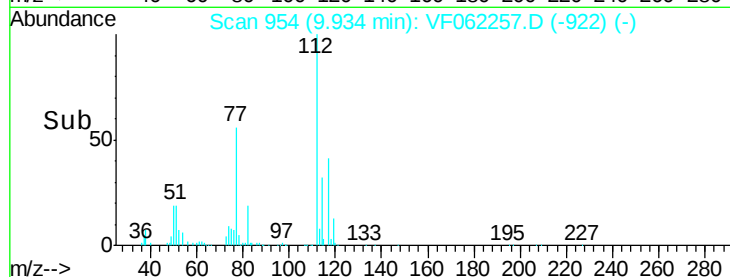
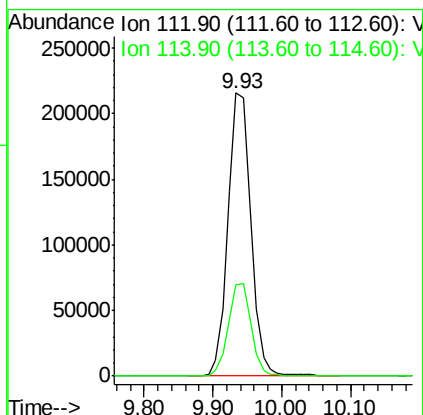
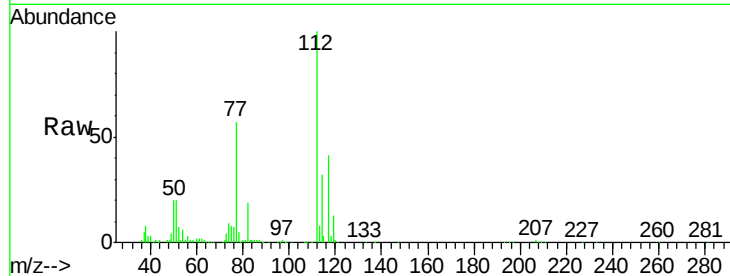




#65
Chlorobenzene
Concen: 53.222 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

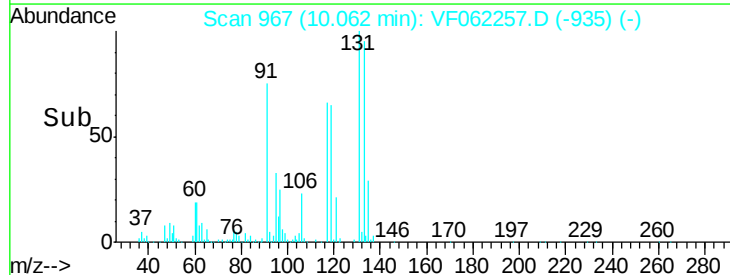
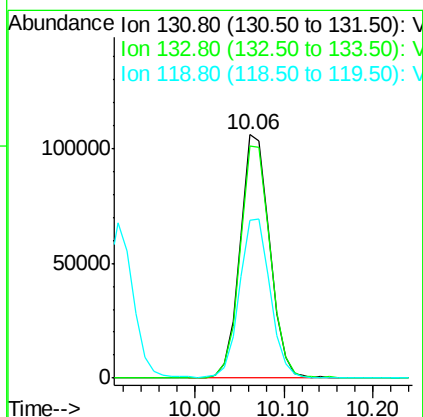
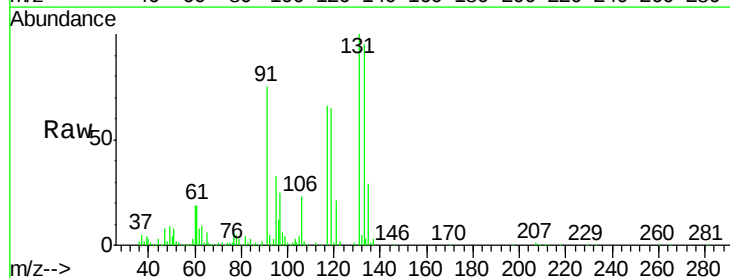
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

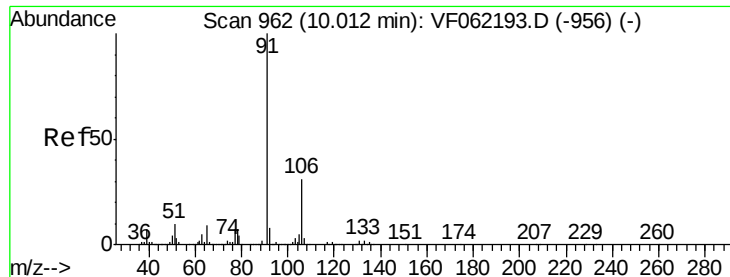
Tot Ion:112 Resp: 501258
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 55.327 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion:131 Resp: 244021
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 67.2 34.6 103.9

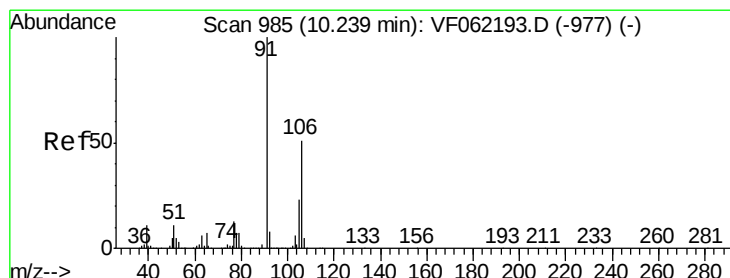
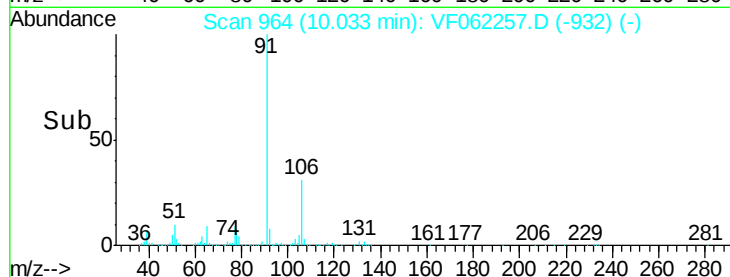
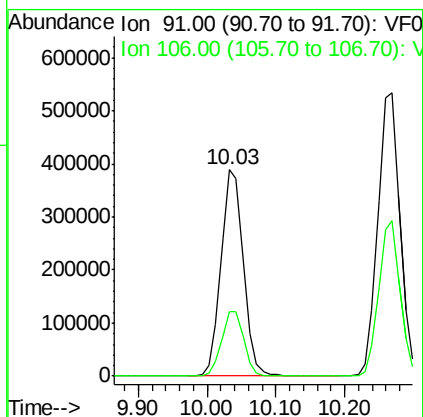
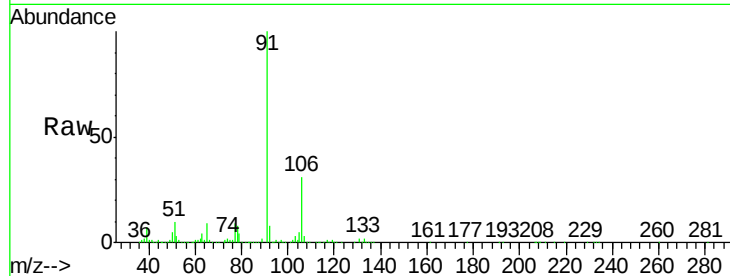




#67
Ethyl Benzene
Concen: 50.933 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

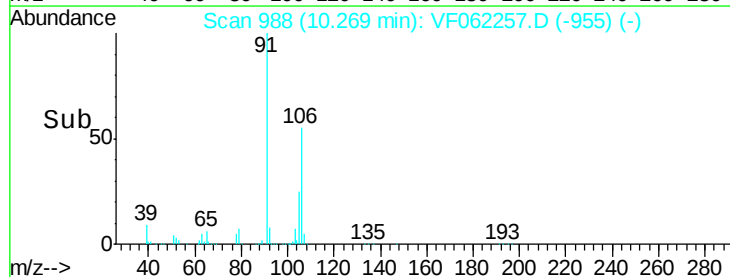
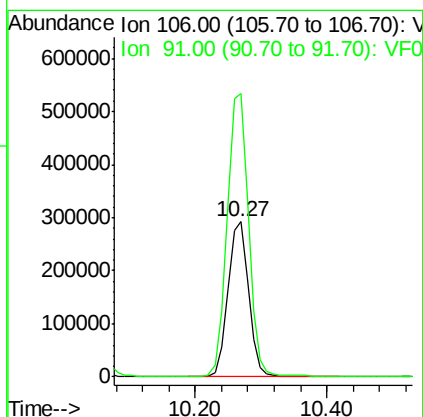
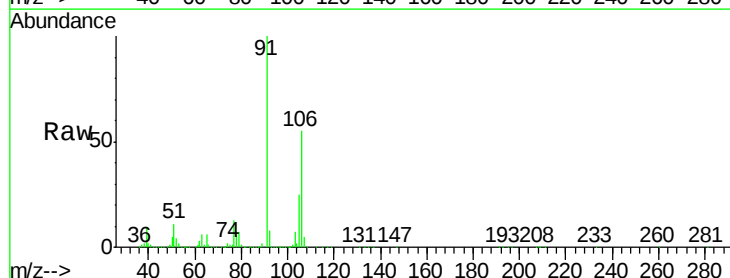
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

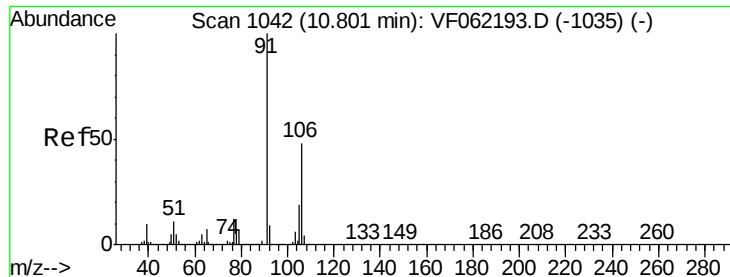
Tot Ion: 91 Resp: 872282
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 102.447 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 106 Resp: 645878
Ion Ratio Lower Upper
106 100
91 188.1 159.1 238.7

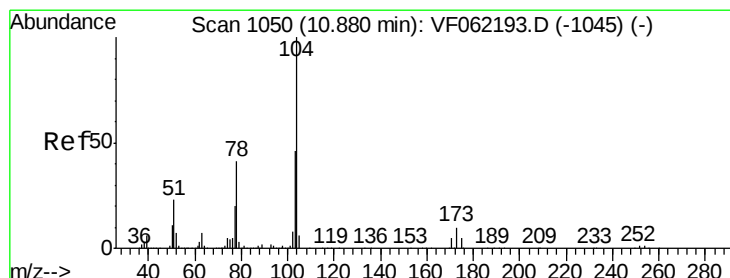
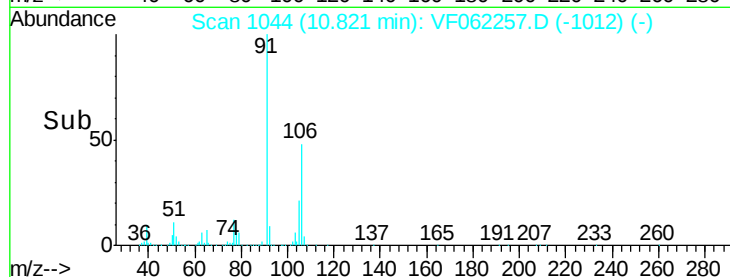
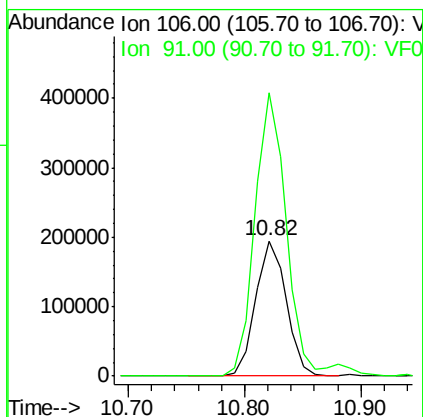
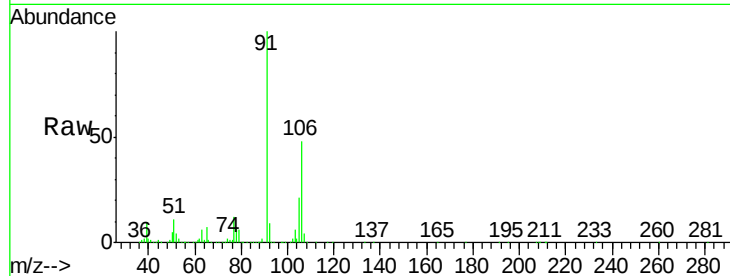




#69
o-Xylene
Concen: 50.611 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

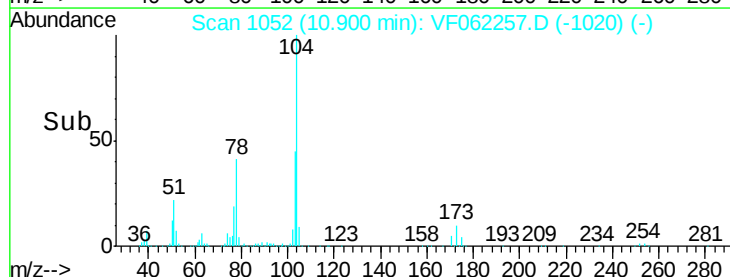
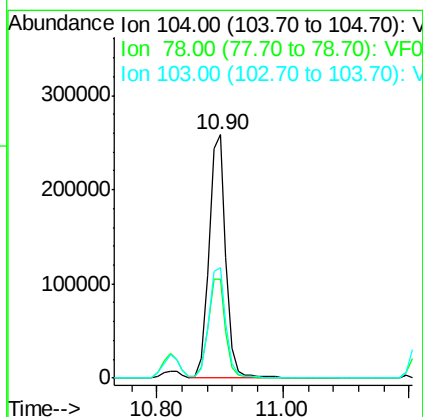
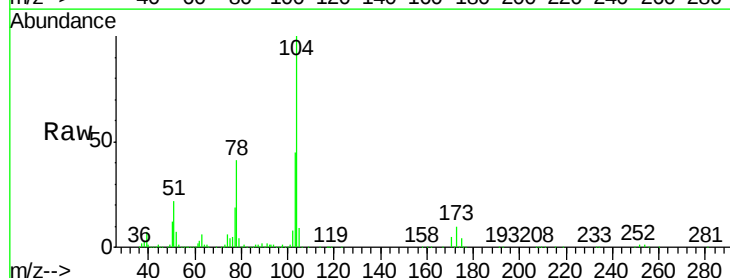
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

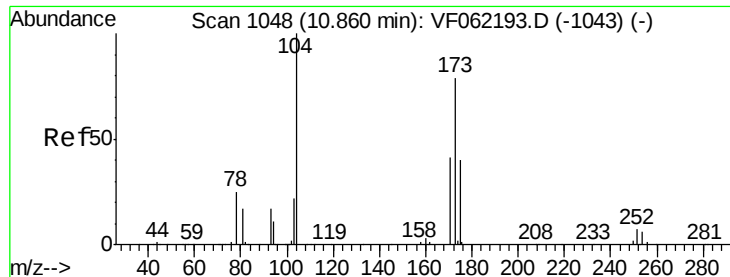
Tot Ion:106 Resp: 354261
Ion Ratio Lower Upper
106 100
91 212.9 107.5 322.4



#70
Styrene
Concen: 48.841 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion:104 Resp: 482449
Ion Ratio Lower Upper
104 100
78 41.5 34.5 51.7
103 46.6 37.2 55.8





#71

Bromoform

Concen: 53.167 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

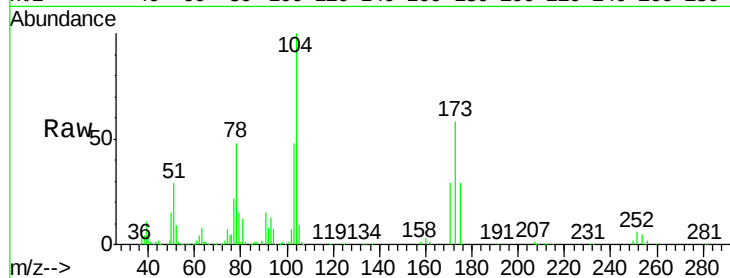
Tot Ion:173 Resp: 123809

Ion Ratio Lower Upper

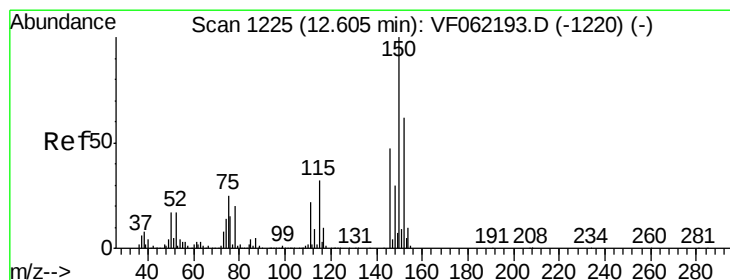
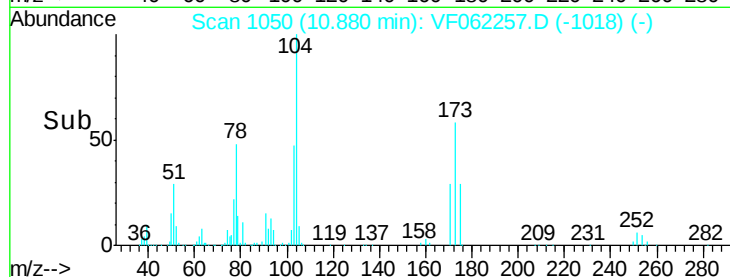
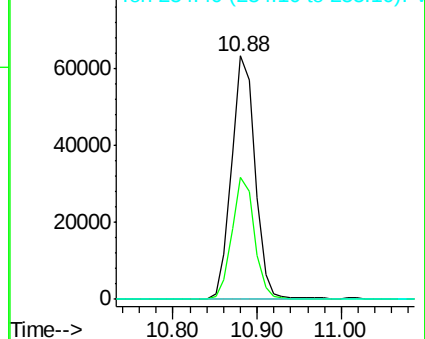
173 100

175 48.2 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: VF062257.D

Acq: 23 Apr 2019 10:36

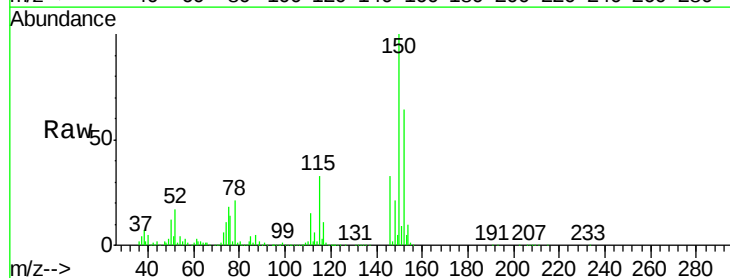
Tgt Ion:152 Resp: 229439

Ion Ratio Lower Upper

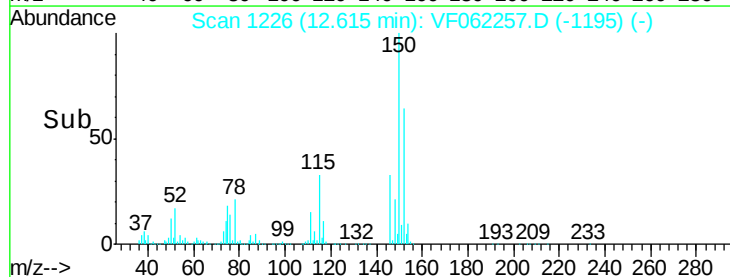
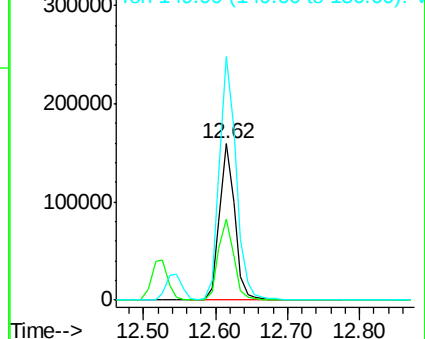
152 100

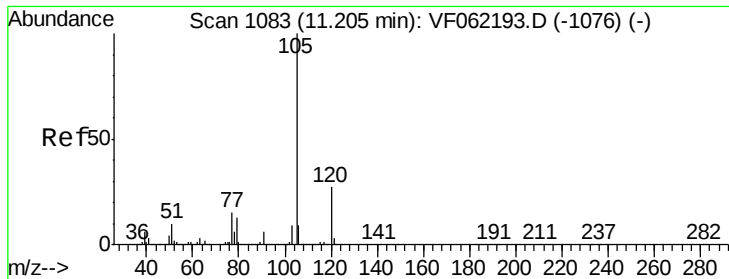
115 52.5 27.8 83.3

150 171.1 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: 51.761 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

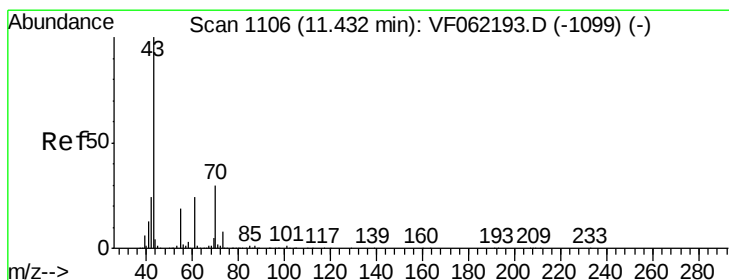
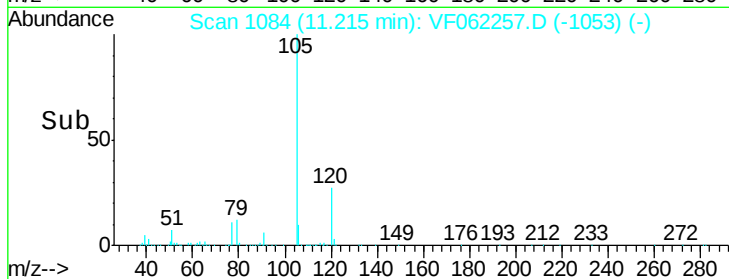
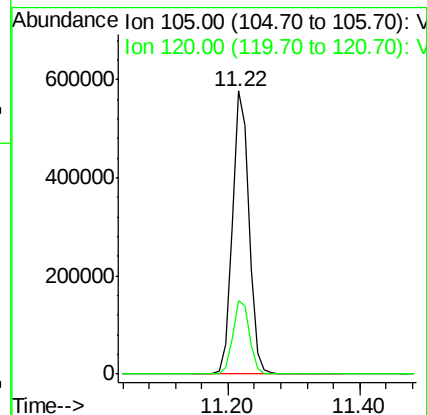
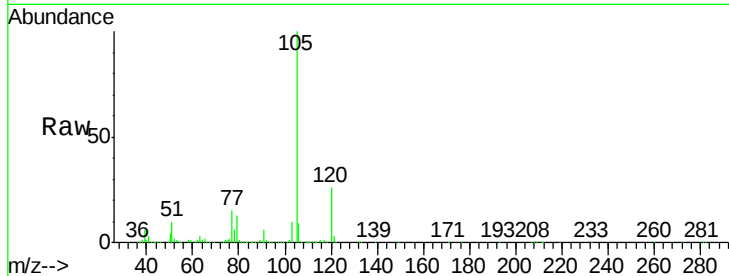
VSTDCCC050

Tot Ion:105 Resp: 1020149

Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9



#74

N-ethyl acetate

Concen: 45.362 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Tgt Ion: 43 Resp: 213077

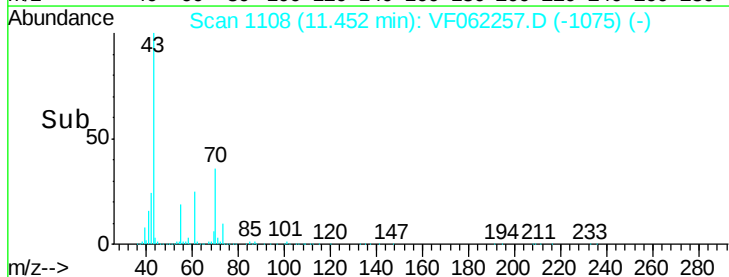
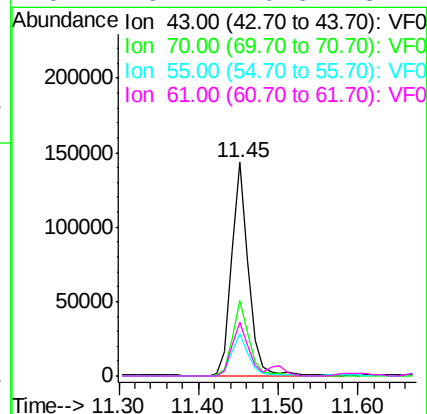
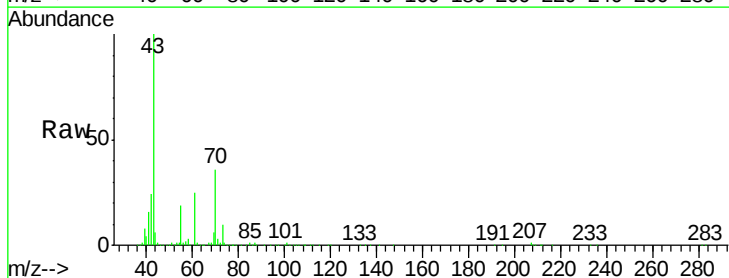
Ion Ratio Lower Upper

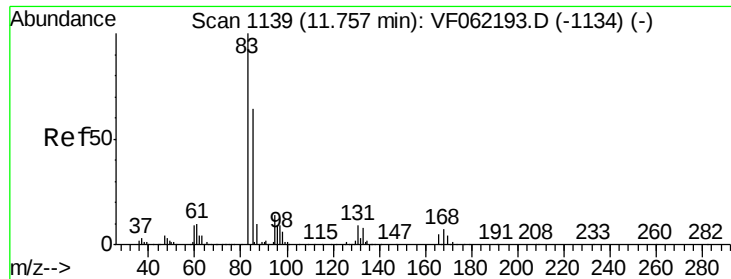
43 100

70 35.5 27.0 40.4

55 20.4 15.7 23.5

61 25.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.927 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

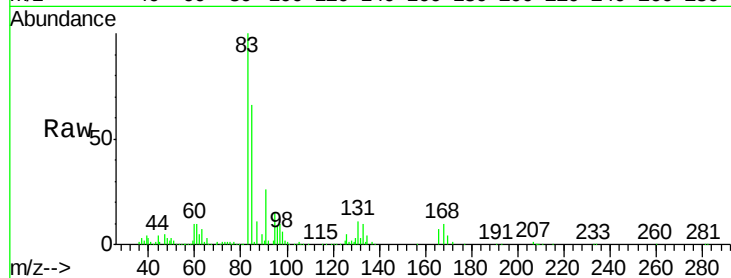
Tot Ion: 83 Resp: 165838

Ion Ratio Lower Upper

83 100

131 10.3 4.5 13.5

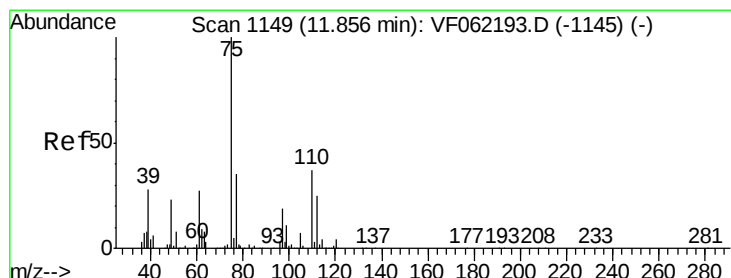
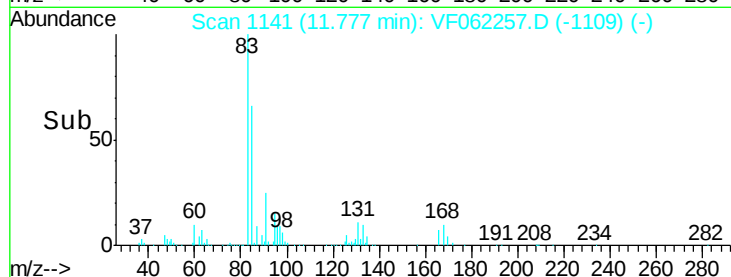
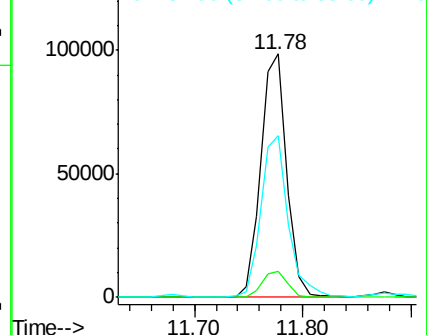
85 70.1 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 47.478 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062257.D

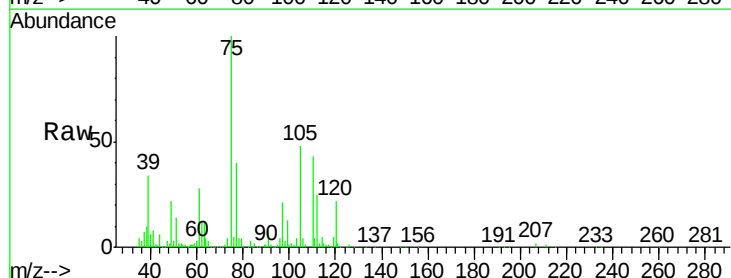
Acq: 23 Apr 2019 10:36

Tgt Ion: 75 Resp: 110716

Ion Ratio Lower Upper

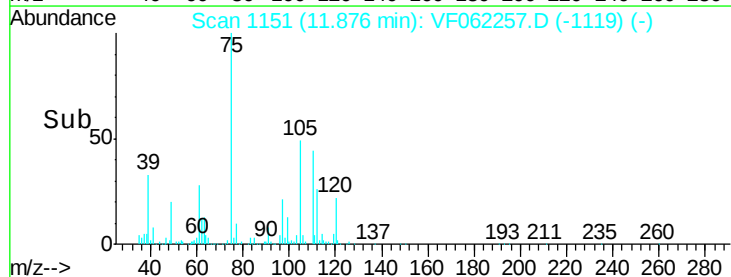
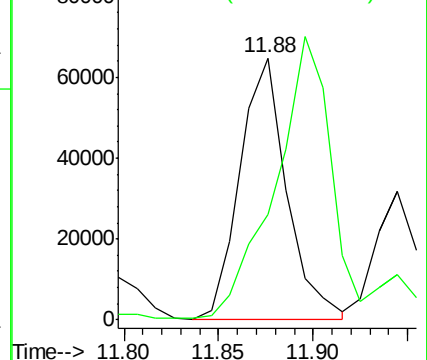
75 100

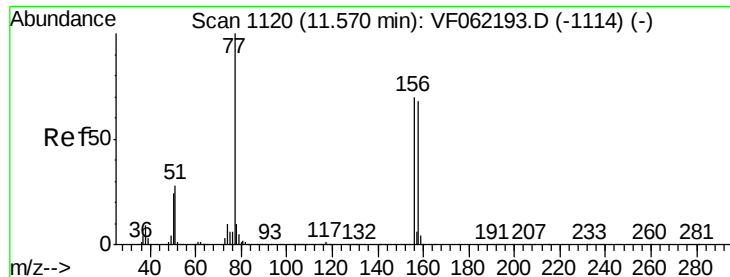
77 131.8 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 56.595 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

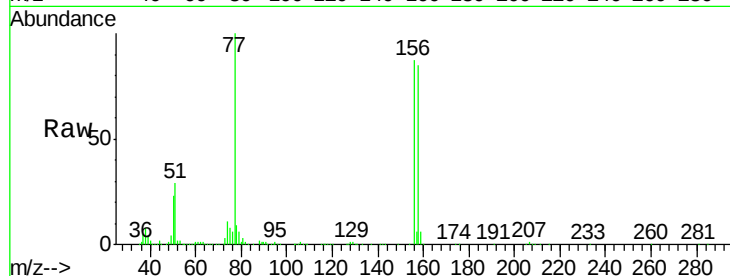
Tot Ion:156 Resp: 238945

Ion Ratio Lower Upper

156 100

77 137.9 80.9 242.7

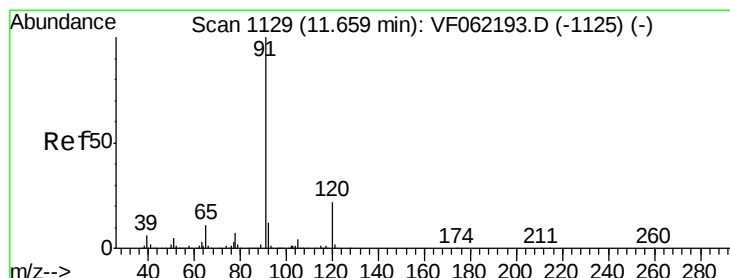
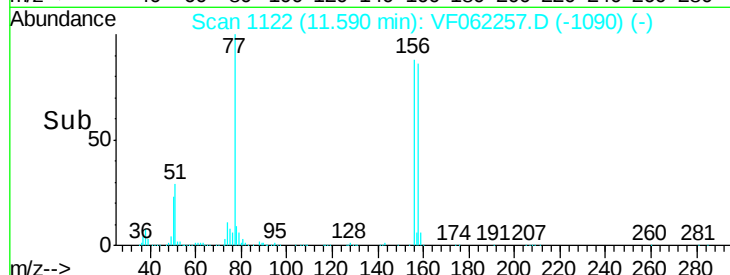
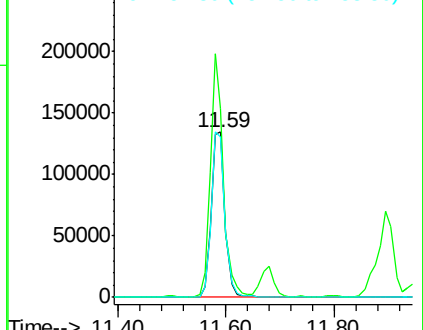
158 99.5 49.8 149.4



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: 49.527 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062257.D

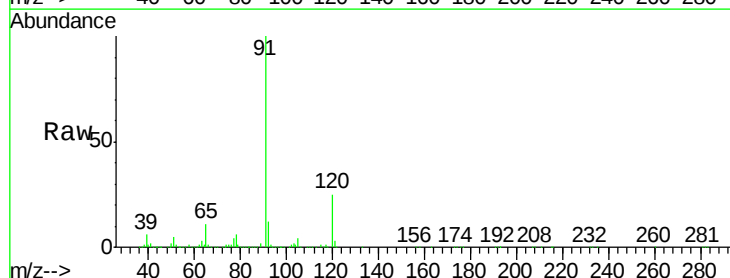
Acq: 23 Apr 2019 10:36

Tgt Ion: 91 Resp: 1029725

Ion Ratio Lower Upper

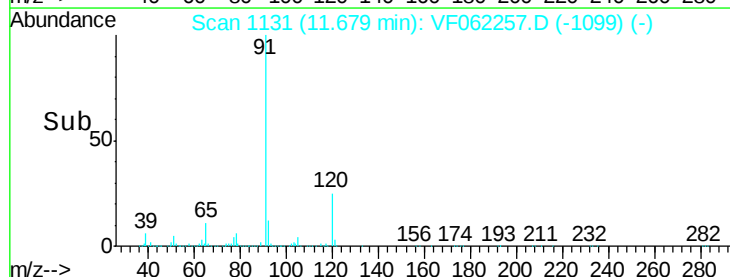
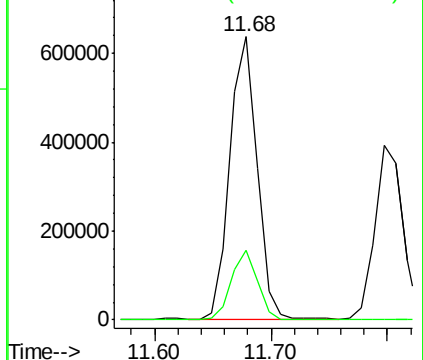
91 100

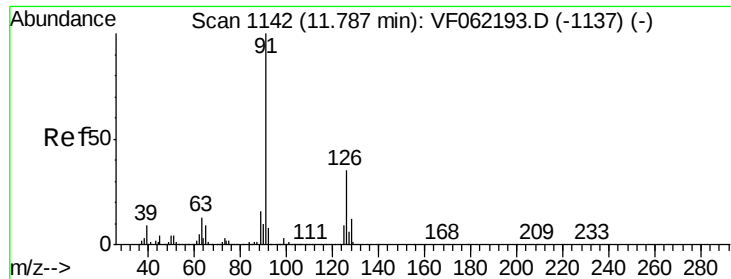
120 23.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

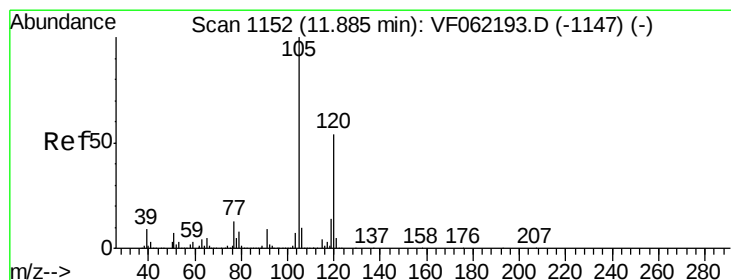
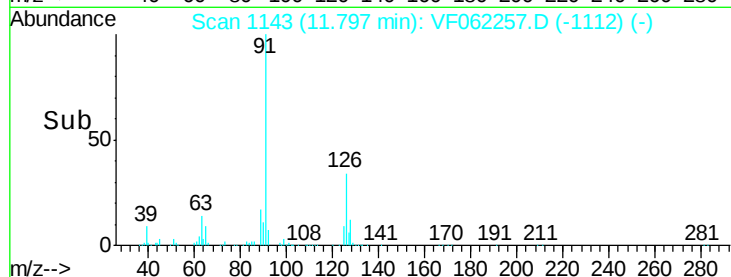
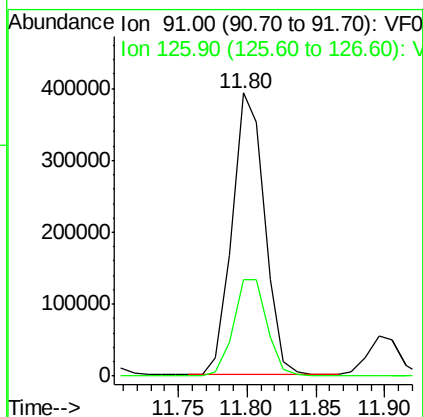
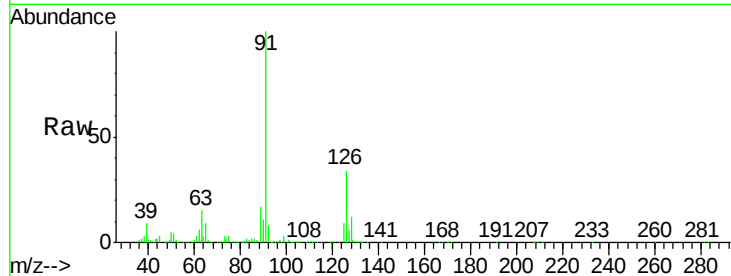




#79
 2-Chlorotoluene
 Concen: 51.151 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

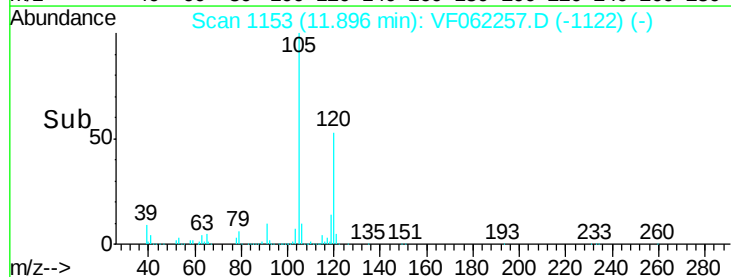
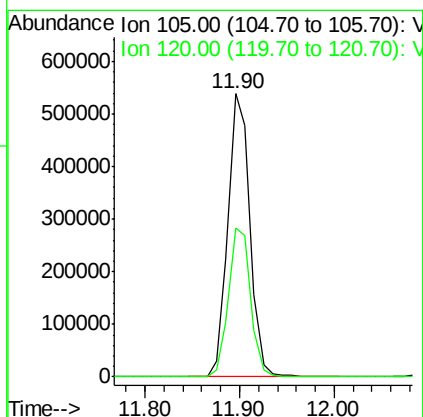
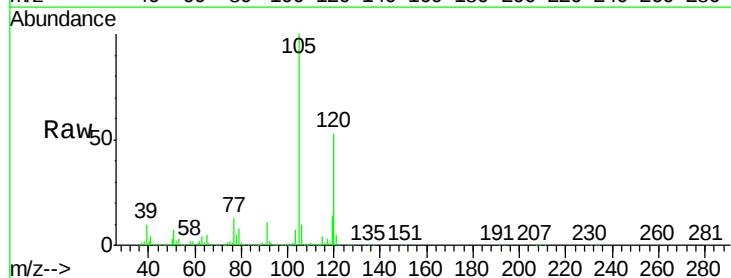
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

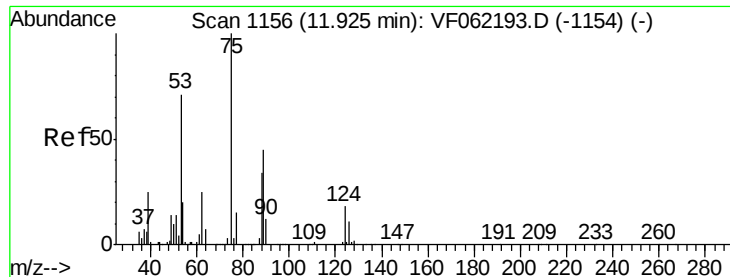
Tot Ion: 91 Resp: 645112
 Ion Ratio Lower Upper
 91 100
 126 35.8 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.719 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion: 105 Resp: 865389
 Ion Ratio Lower Upper
 105 100
 120 53.1 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 55.716 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

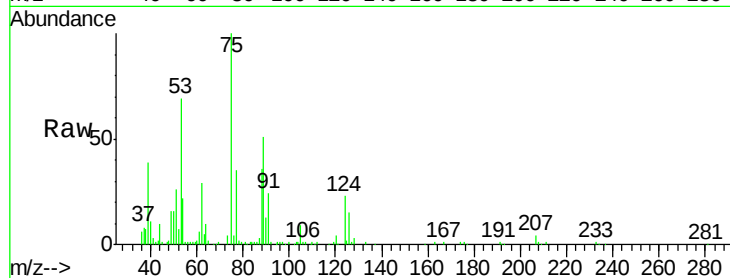
Tot Ion: 75 Resp: 66263

Ion Ratio Lower Upper

75 100

53 52.1 50.2 75.4

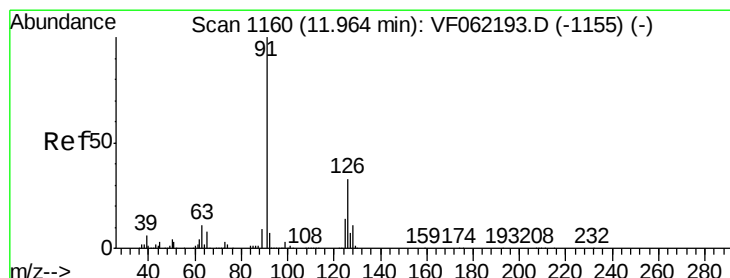
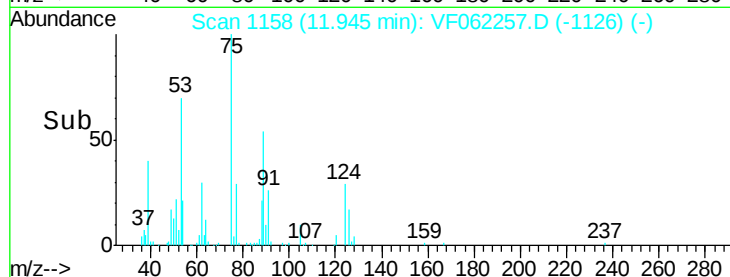
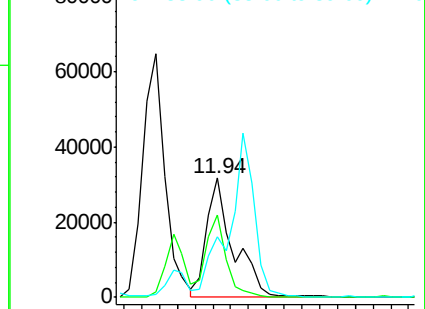
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 49.835 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062257.D

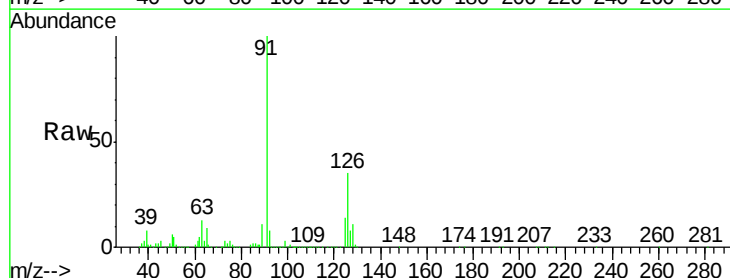
Acq: 23 Apr 2019 10:36

Tgt Ion: 91 Resp: 607416

Ion Ratio Lower Upper

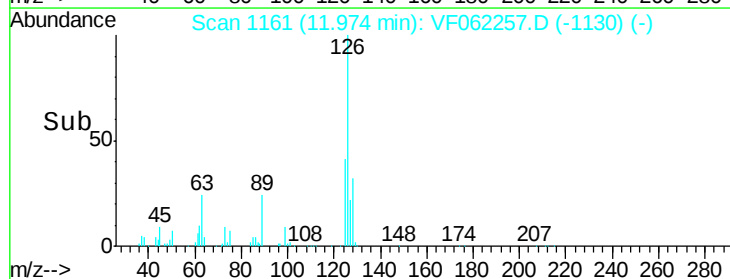
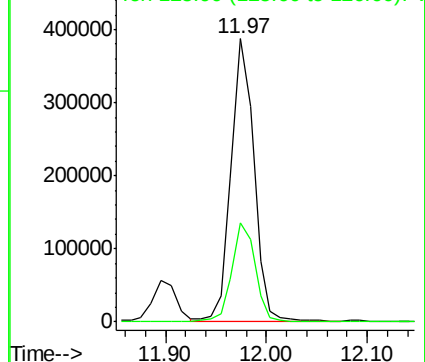
91 100

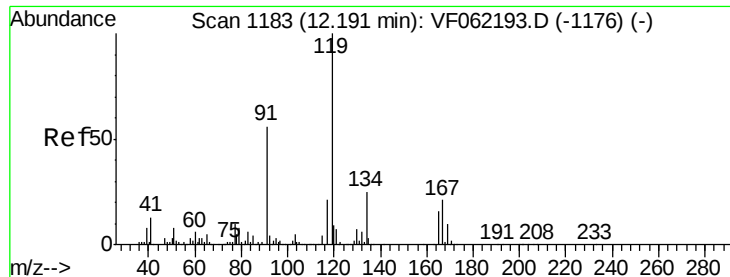
126 36.4 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 53.213 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

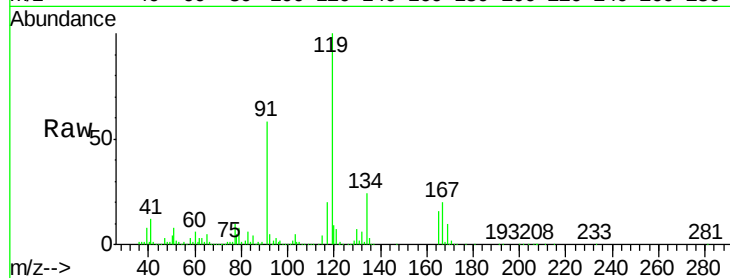
Tot Ion:119 Resp: 903305

Ion Ratio Lower Upper

119 100

91 56.9 29.4 88.2

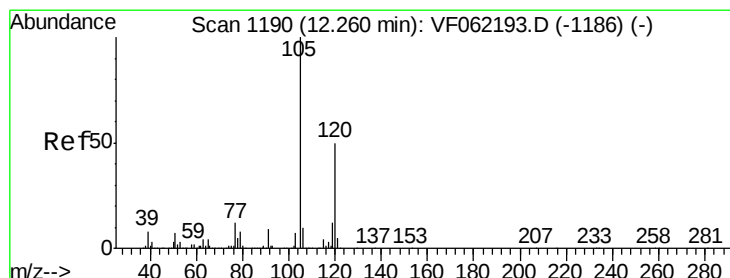
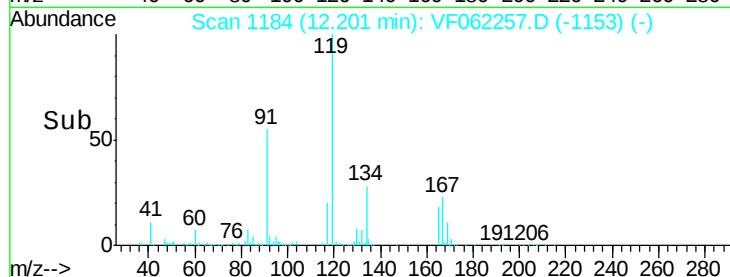
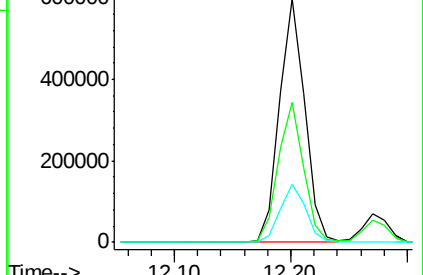
134 24.0 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.916 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062257.D

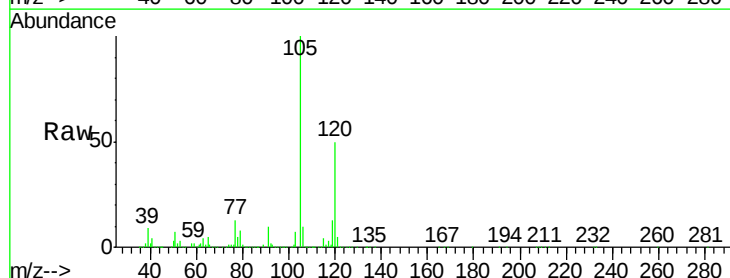
Acq: 23 Apr 2019 10:36

Tgt Ion:105 Resp: 792914

Ion Ratio Lower Upper

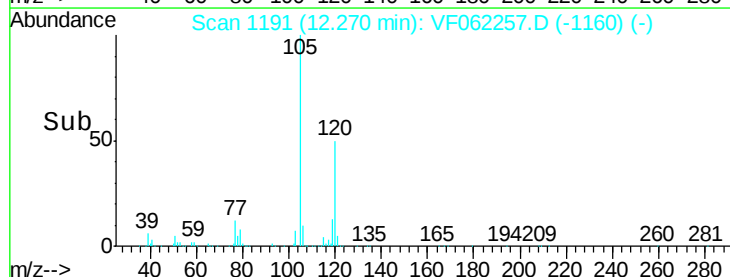
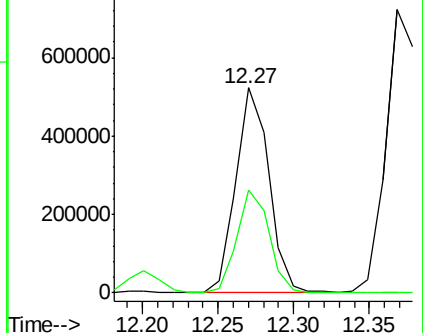
105 100

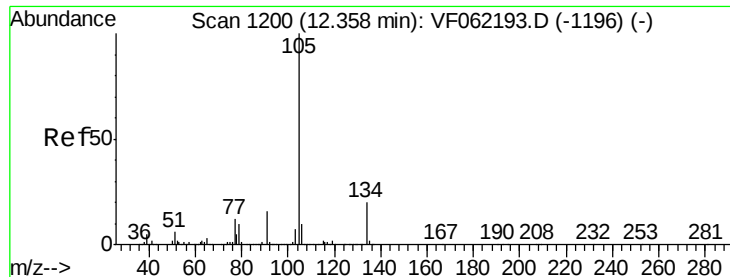
120 48.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.554 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

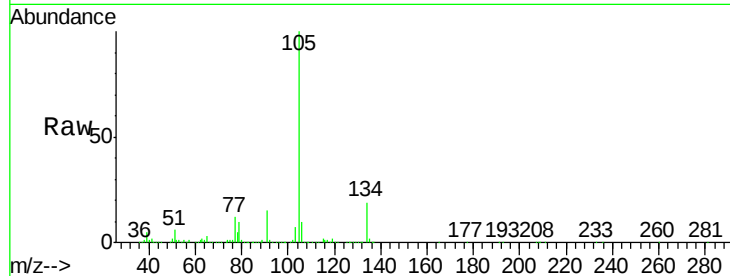
VSTDCCC050

Tot Ion:105 Resp: 1136183

Ion Ratio Lower Upper

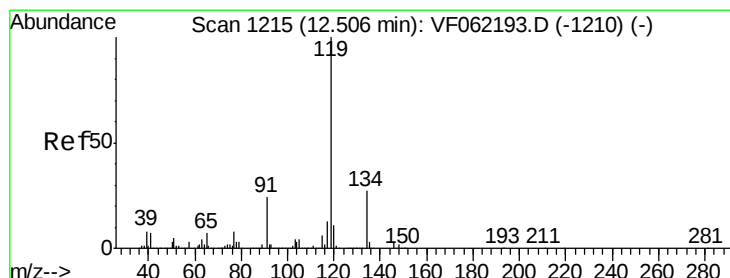
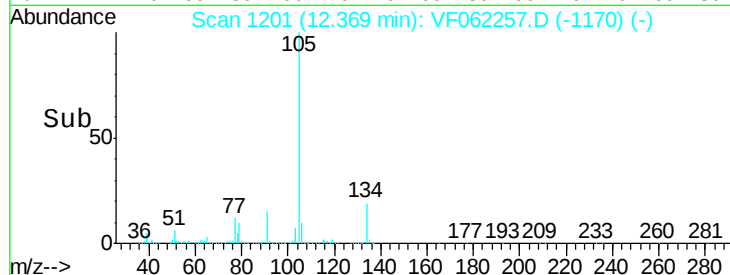
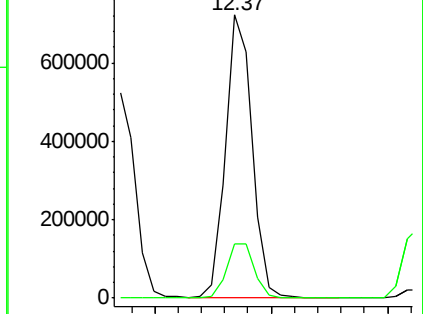
105 100

134 20.1 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: 51.844 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

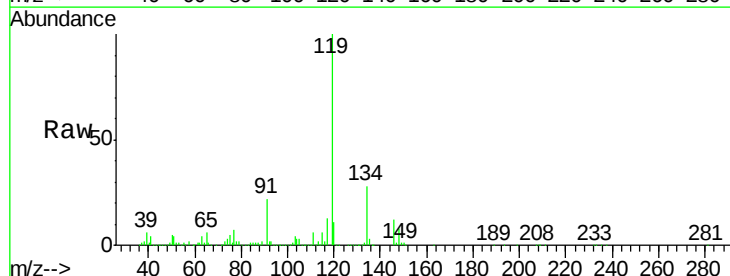
Tgt Ion:119 Resp: 969213

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

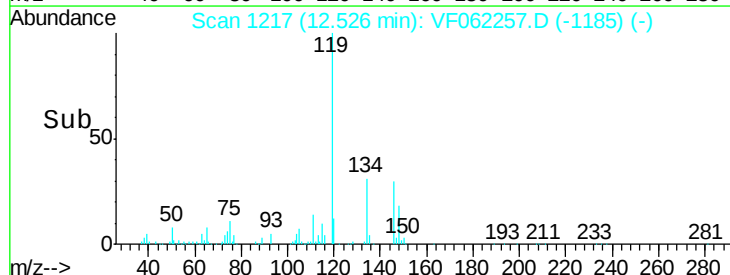
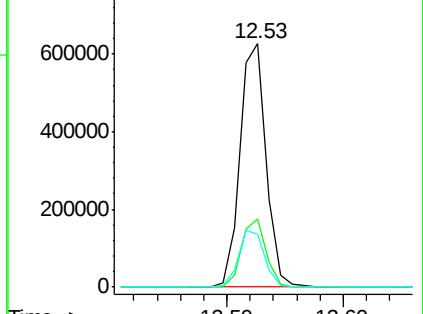
91 23.0 11.7 35.1

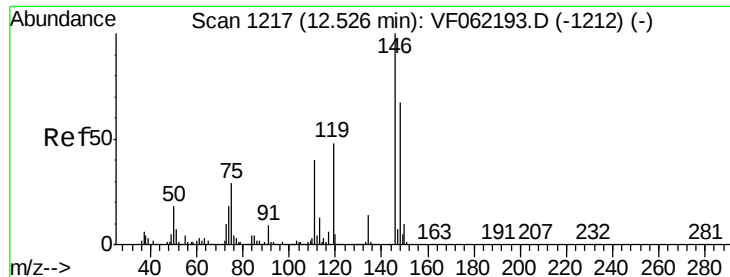


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

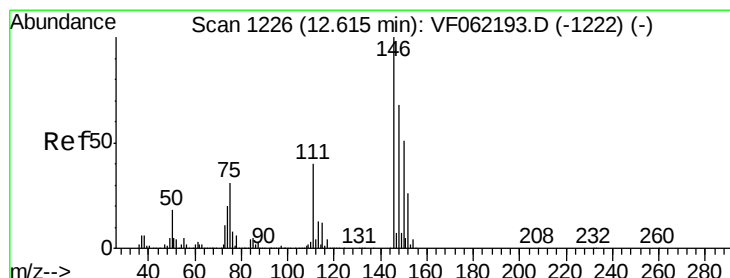
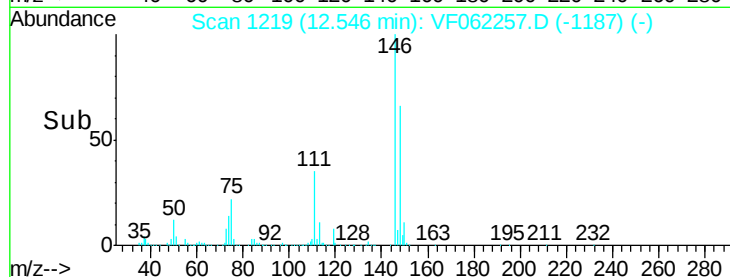
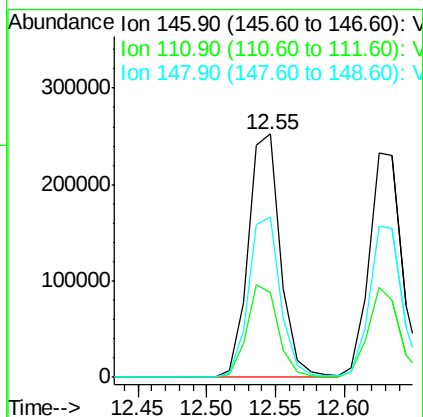
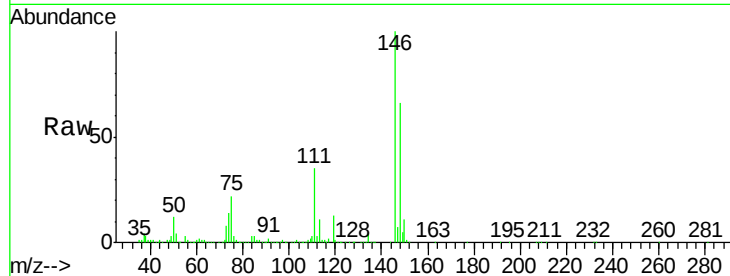




#87
 1,3-Dichlorobenzene
 Concen: 52.754 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

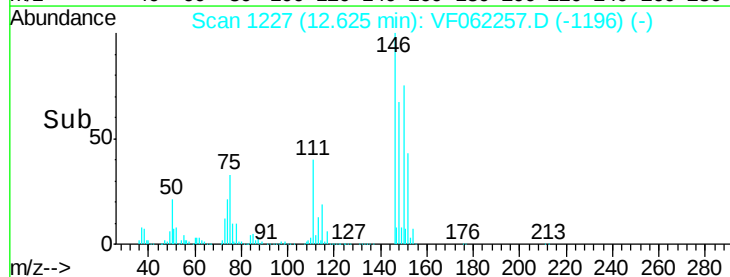
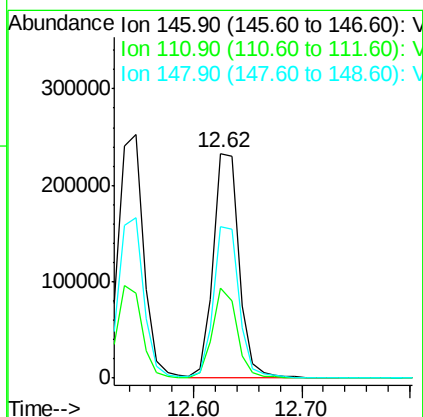
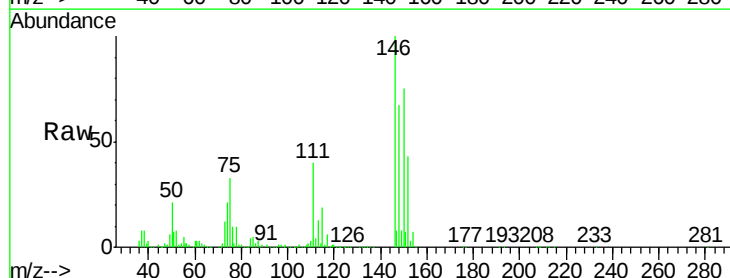
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

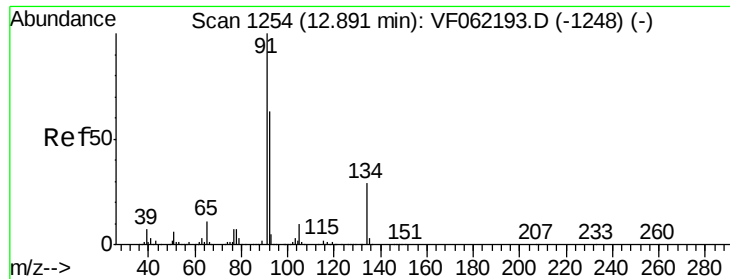
Tot Ion:146 Resp: 413317
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.7 59.0
 148 65.5 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 51.258 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion:146 Resp: 387360
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.0 60.0
 148 67.6 33.6 100.8

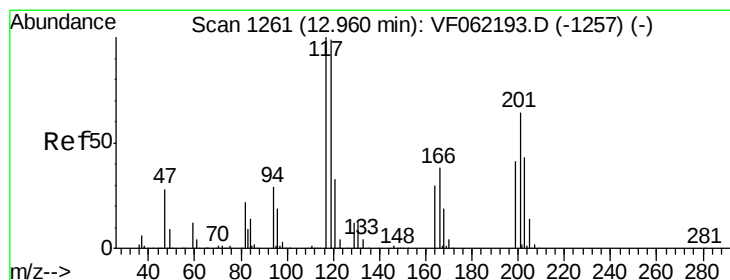
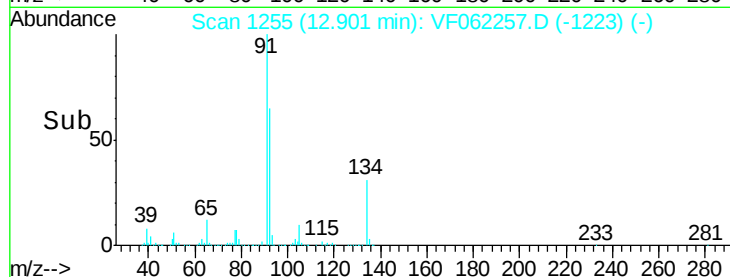
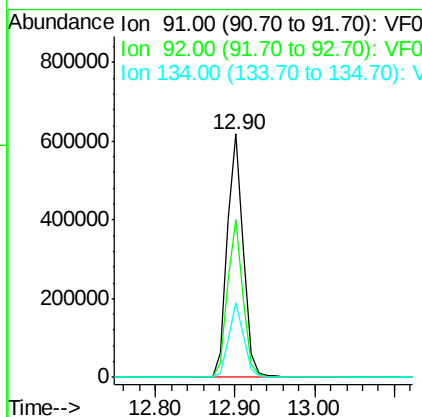
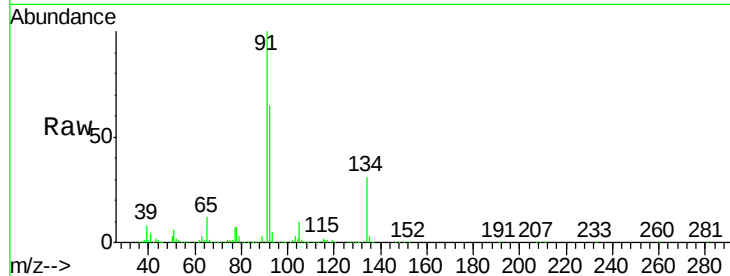




#89
n-Butylbenzene
Concen: 57.779 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

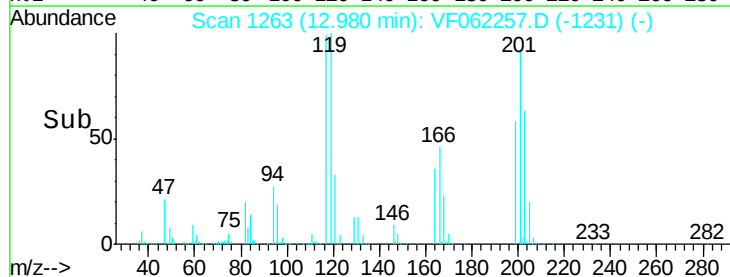
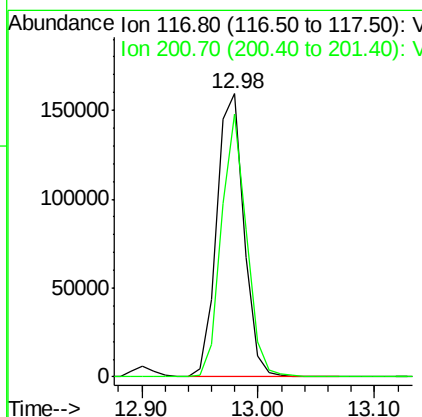
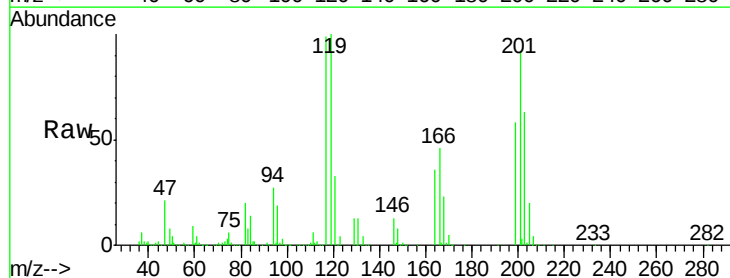
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

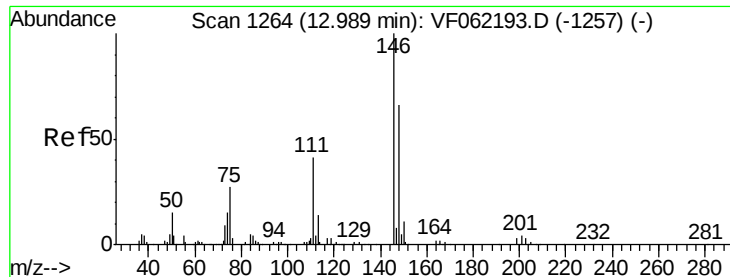
Tot Ion: 91 Resp: 875916
Ion Ratio Lower Upper
91 100
92 62.5 31.2 93.6
134 28.8 13.1 39.1



#90
Hexachloroethane
Concen: 53.492 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion: 117 Resp: 256792
Ion Ratio Lower Upper
117 100
201 86.0 37.7 113.1

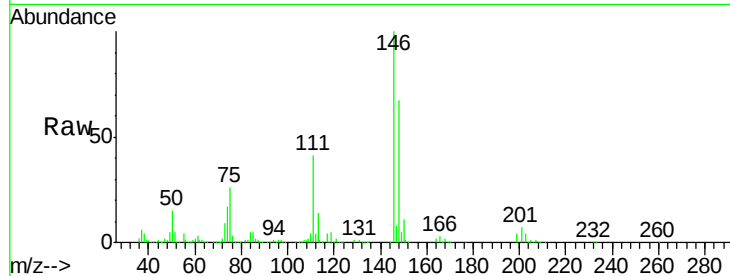




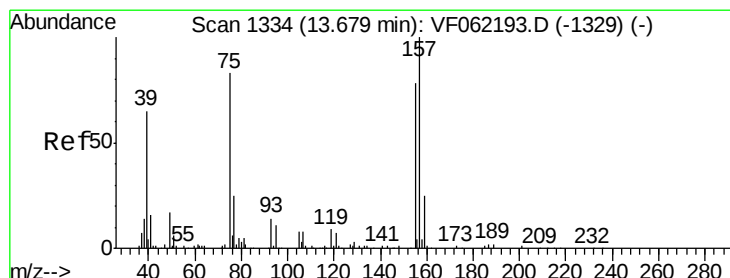
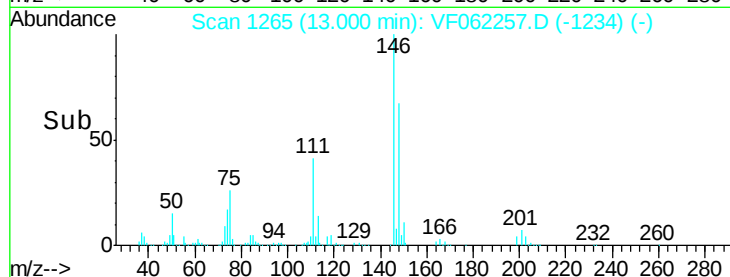
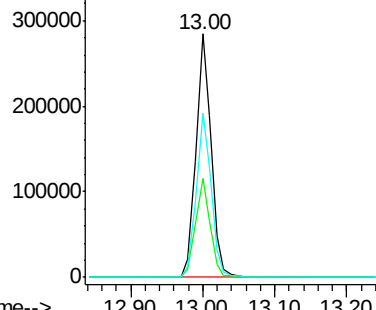
#91
 1,2-Dichlorobenzene
 Concen: 54.483 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.5
148	66.9	33.0	99.0

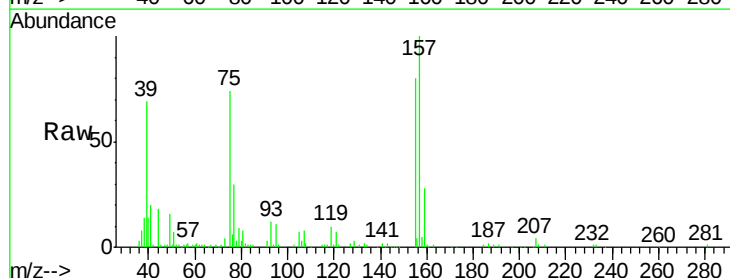


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

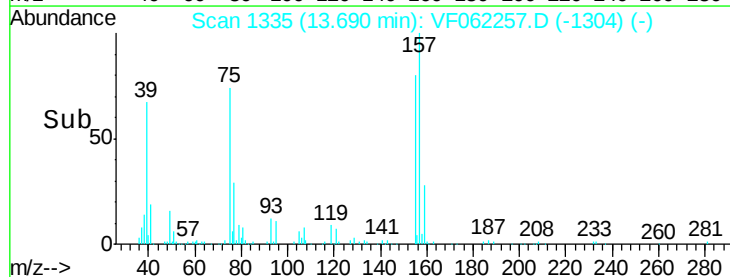
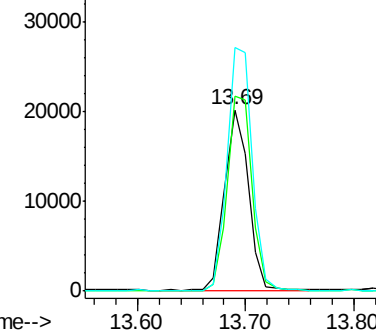


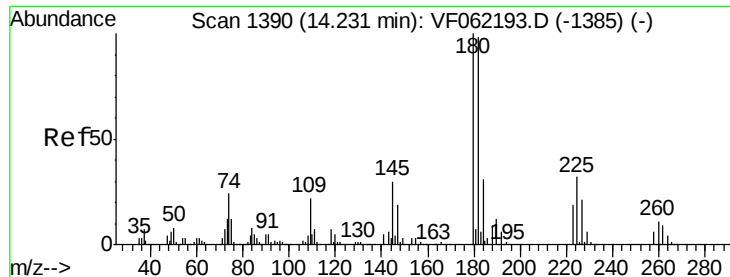
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.745 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.9	47.6	142.8
157	139.3	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: 56.201 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

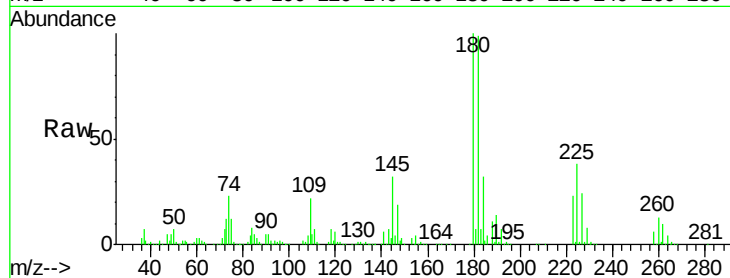
Tot Ion:180 Resp: 355738

Ion Ratio Lower Upper

180 100

182 97.8 49.3 147.9

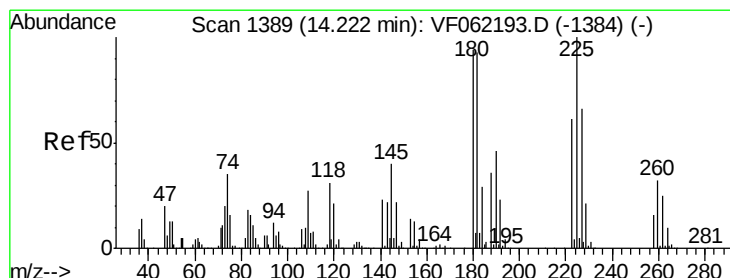
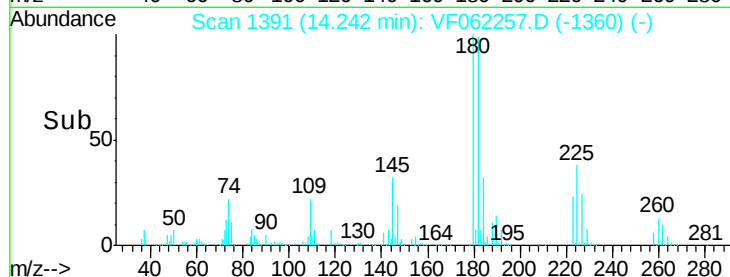
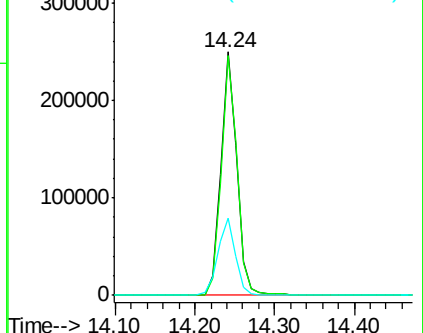
145 34.8 18.1 54.4



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: 59.993 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

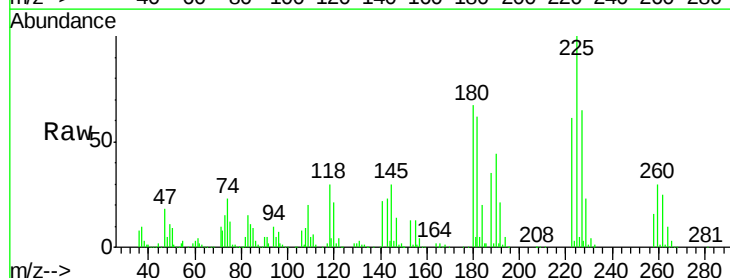
Tgt Ion:225 Resp: 260383

Ion Ratio Lower Upper

225 100

223 61.9 31.0 93.0

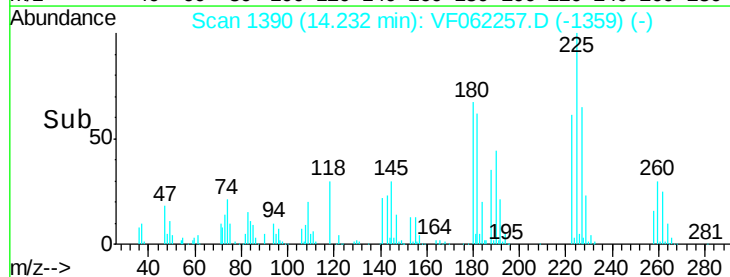
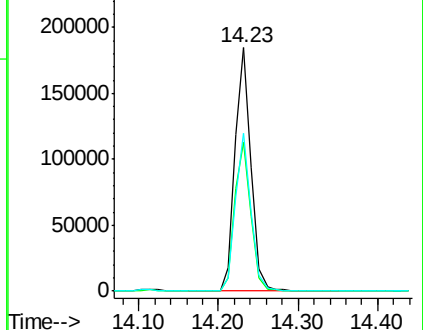
227 63.8 32.4 97.0

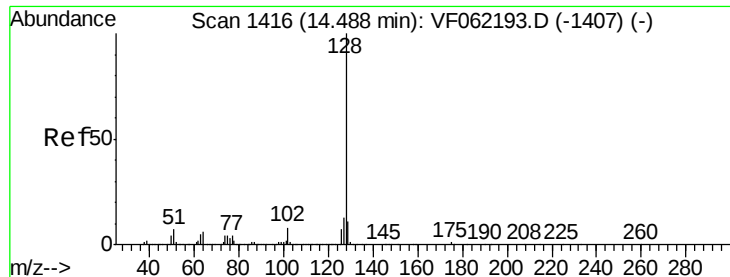


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

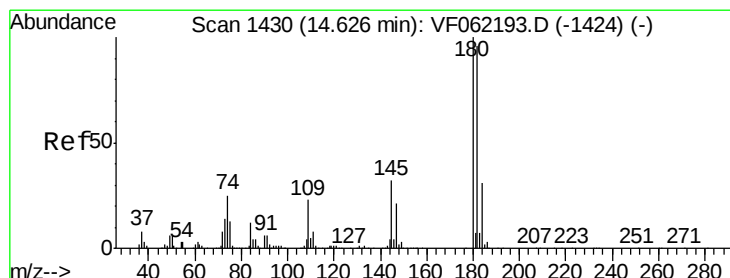
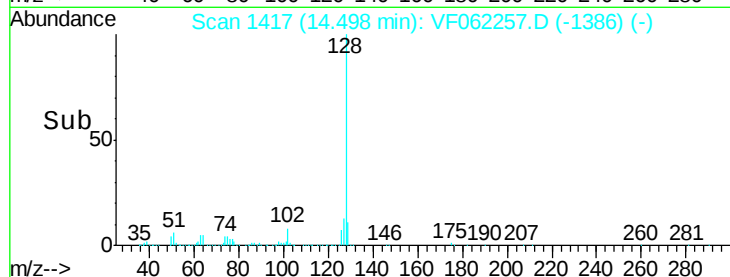
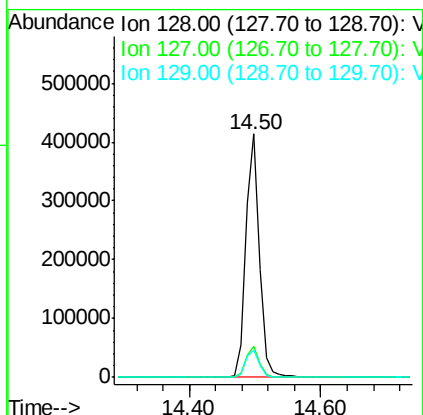
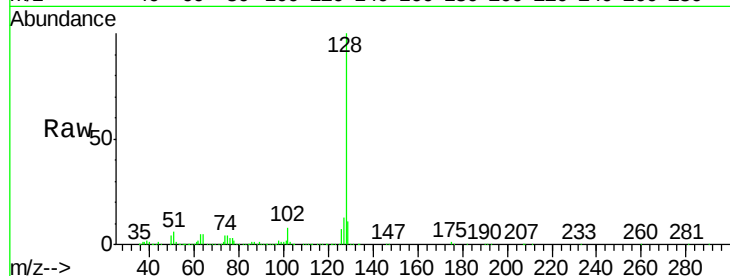




#95
Naphthalene
Concen: 54.139 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 599187
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.4 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 58.407 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

Tgt Ion:180 Resp: 354925
Ion Ratio Lower Upper
180 100
182 98.0 48.4 145.3
145 30.5 15.6 46.8

