

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 50.000			Recovery	=	116.86%	
35) Dibromofluoromethane	4.32	113	277213	53.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.16%	
50) Toluene-d8	7.72	98	723002	54.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.38%	
62) 4-Bromofluorobenzene	11.50	95	254580	50.06	ug/l	0.02
Spiked Amount 50.000			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

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)
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\
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:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

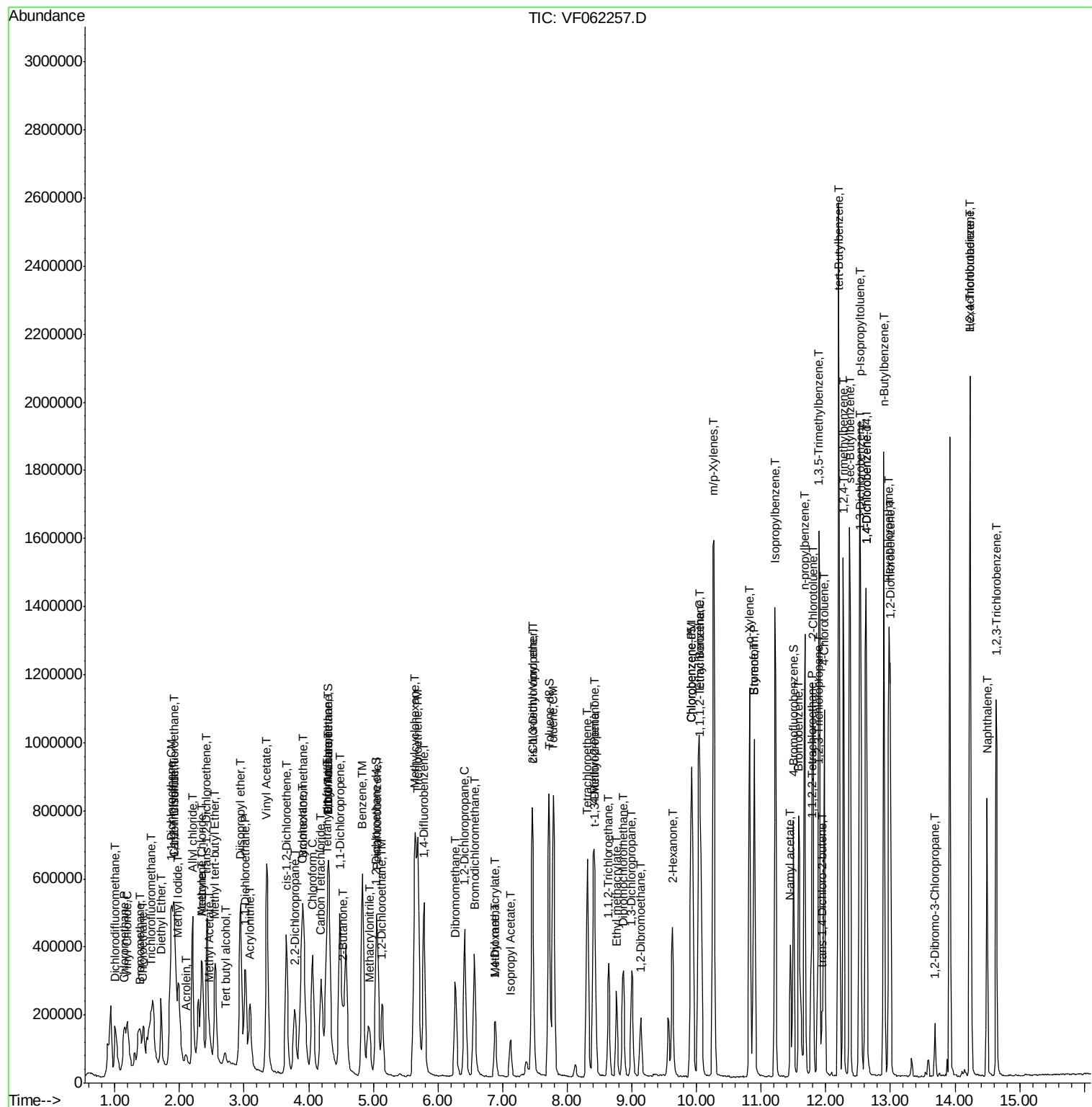
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	355738	56.201	ug/l	99
94) Hexachlorobutadiene	14.23	225	260383	59.993	ug/l	99
95) Naphthalene	14.50	128	599187	54.139	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	354925	58.407	ug/l	99

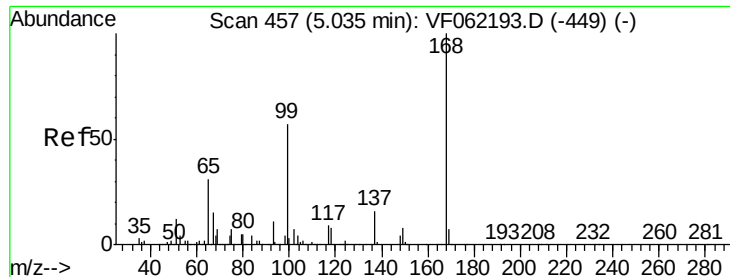
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#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 :

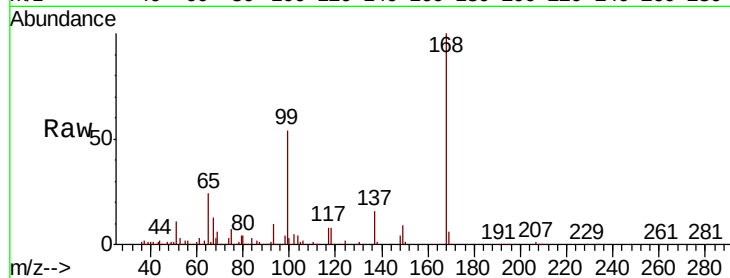
VSTDCCC050

Tgt 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): VF0

Ion 98.90 (98.60 to 99.60): VF0

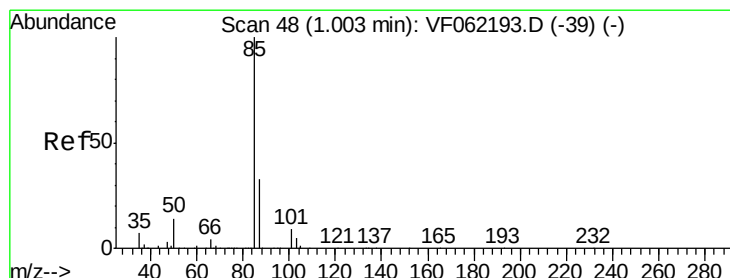
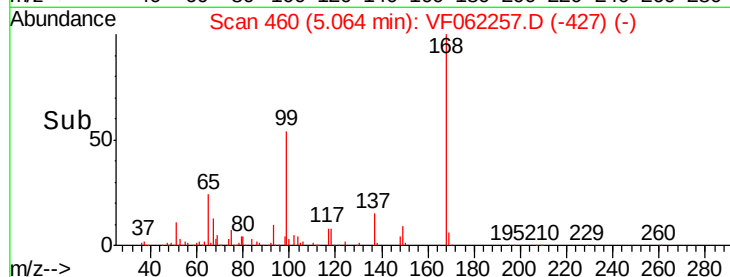
5.06

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

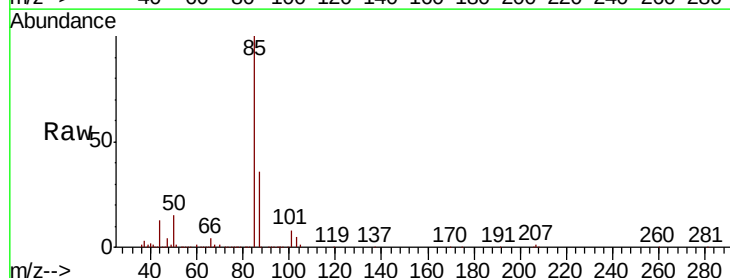
Acq: 23 Apr 2019 10:36

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

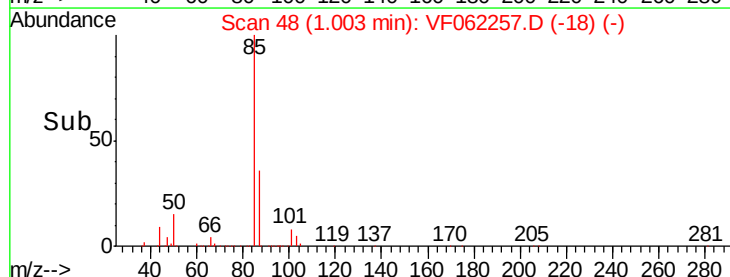
60000

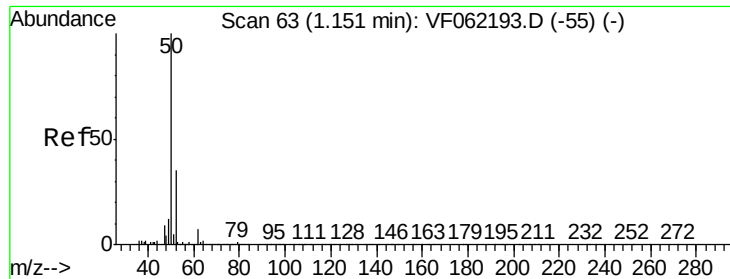
40000

20000

0

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 :

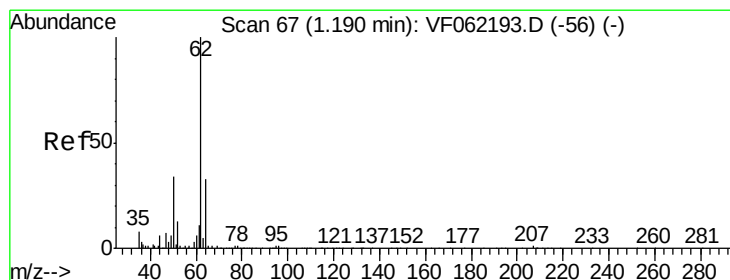
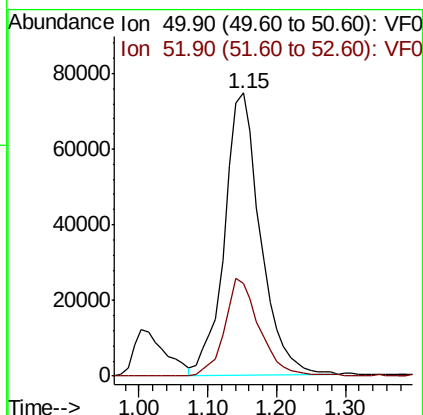
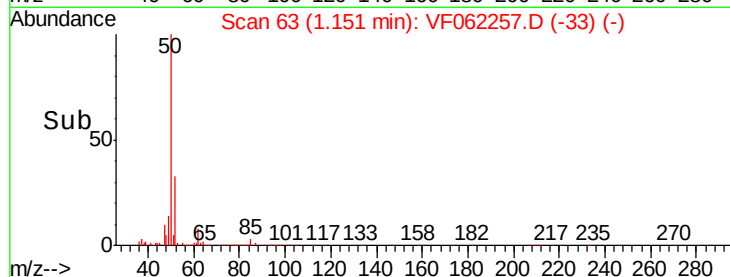
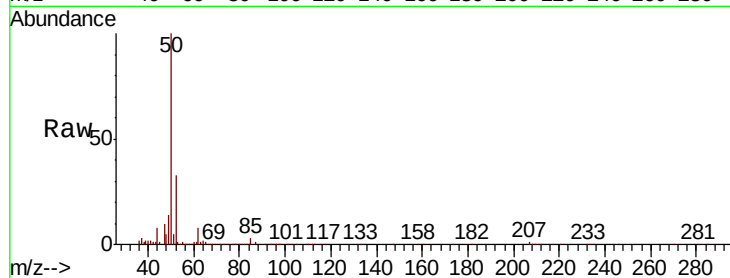
VSTDCCC050

Tgt 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

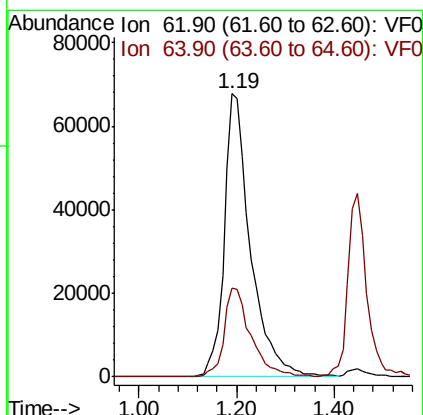
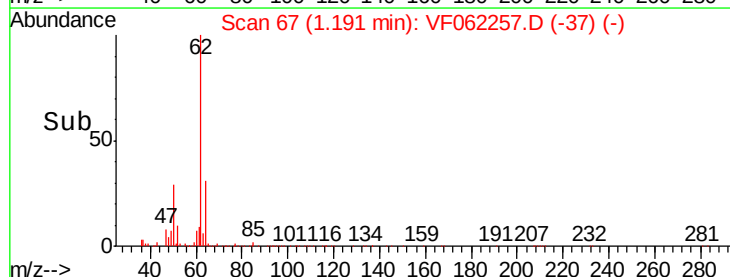
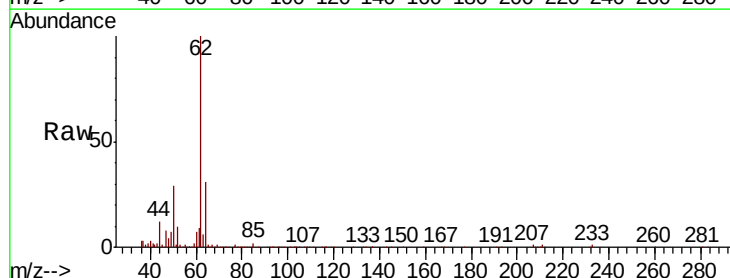
Acq: 23 Apr 2019 10:36

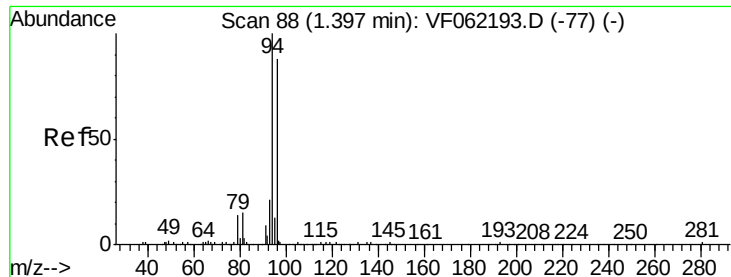
Tgt Ion: 62 Resp: 252505

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 :

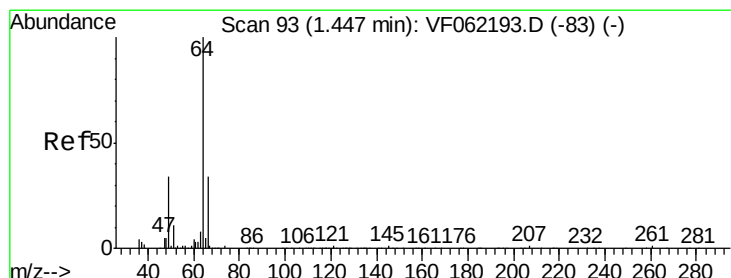
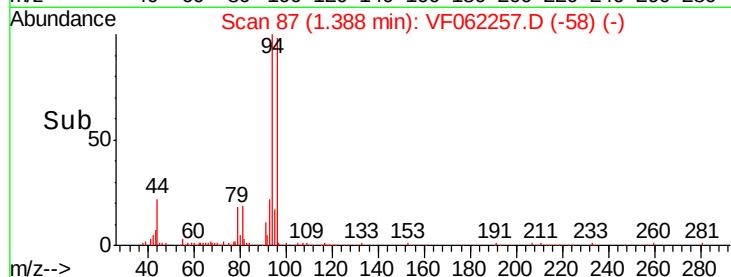
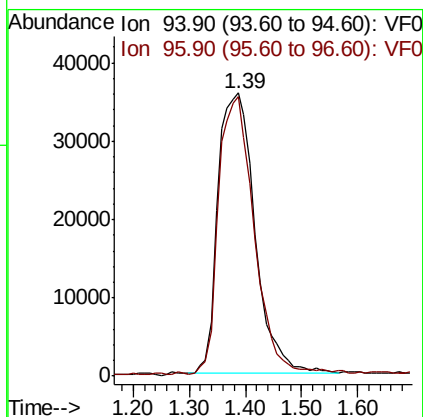
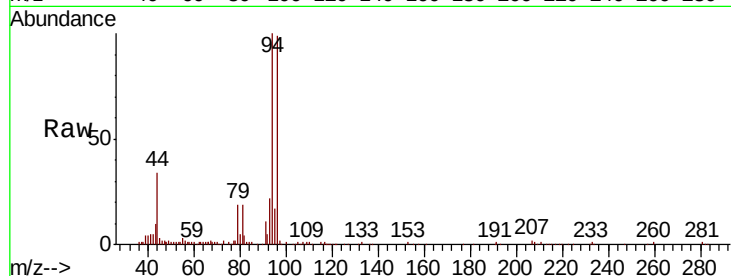
VSTDCCC050

Tgt 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

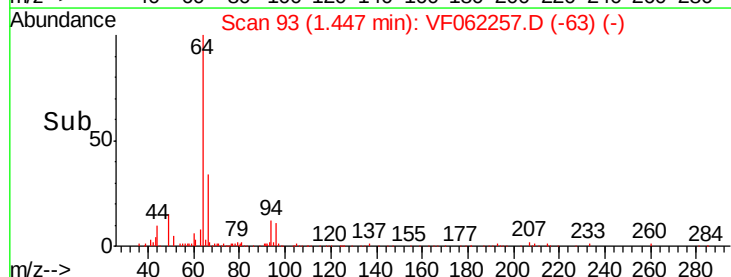
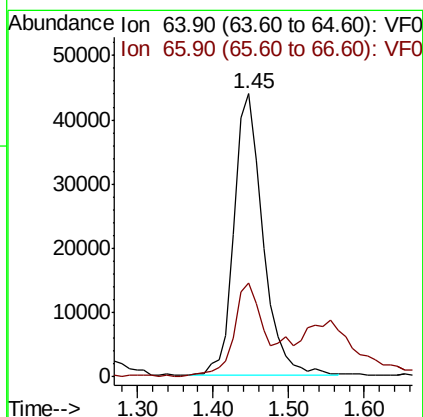
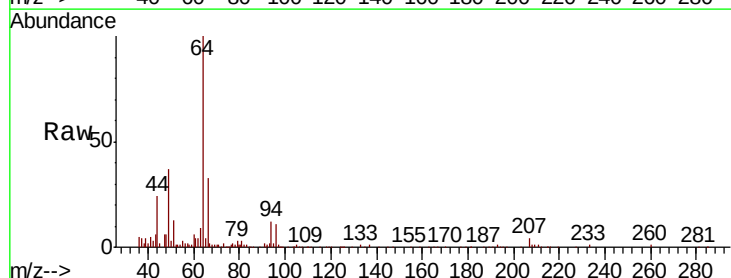
Acq: 23 Apr 2019 10:36

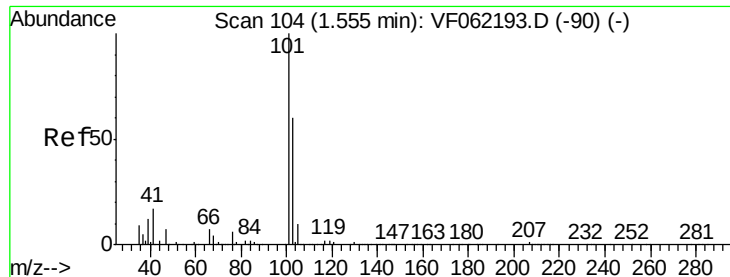
Tgt Ion: 64 Resp: 116150

Ion Ratio Lower Upper

64 100

66 32.7 27.0 40.4



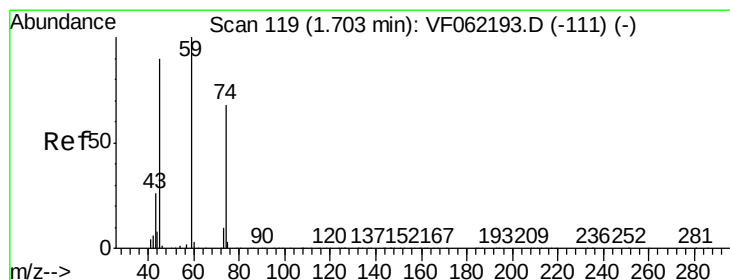
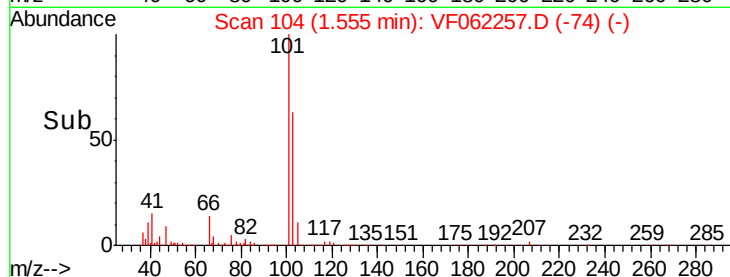
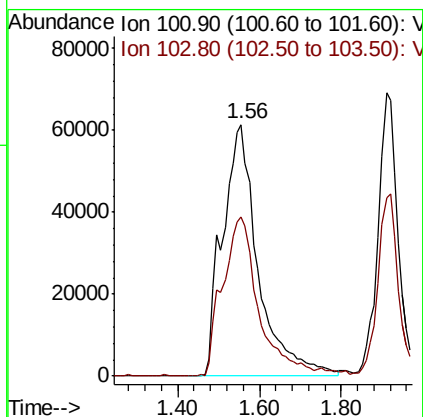
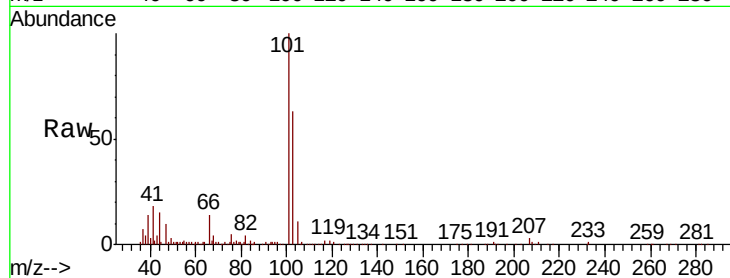


#7

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

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

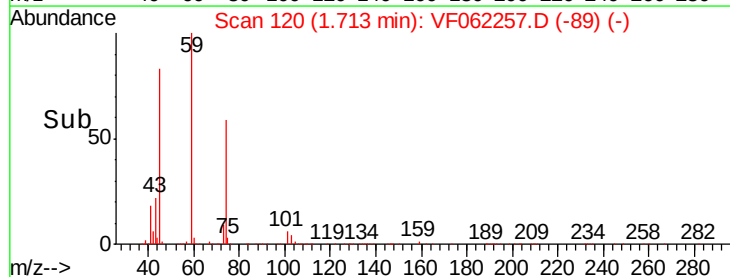
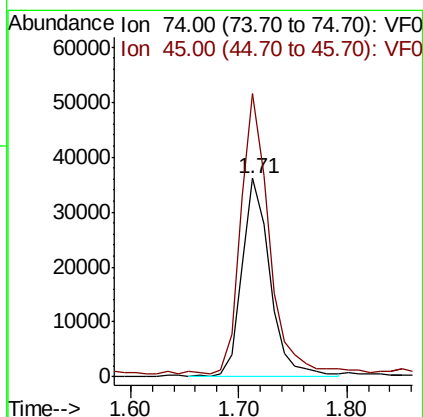
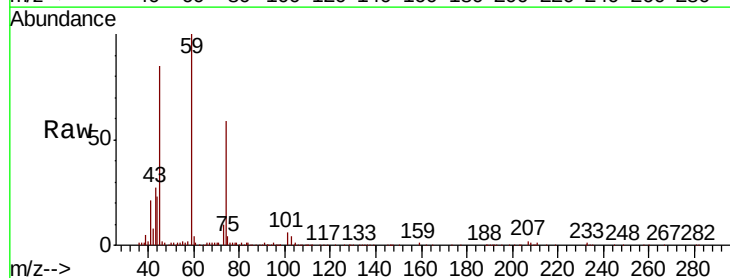
Tgt Ion:101 Resp: 370092
Ion Ratio Lower Upper
101 100
103 63.1 48.2 72.4

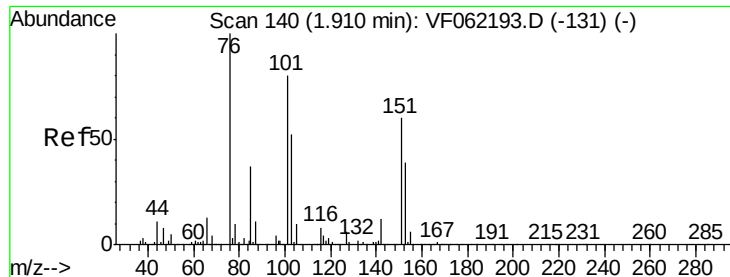


#8

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

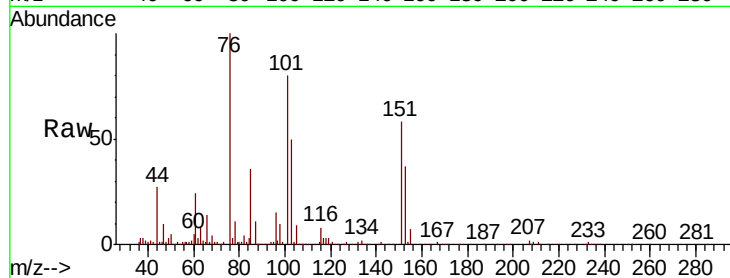
Tgt Ion:101 Resp: 235405

Ion Ratio Lower Upper

101 100

85 45.8 35.3 52.9

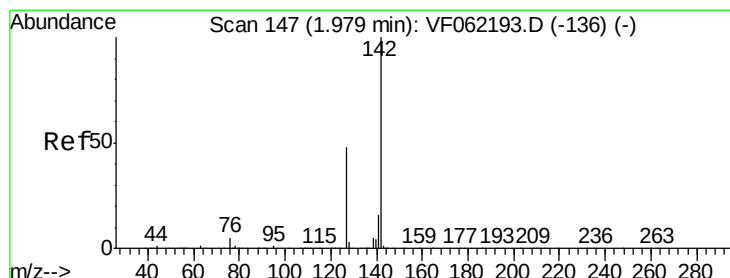
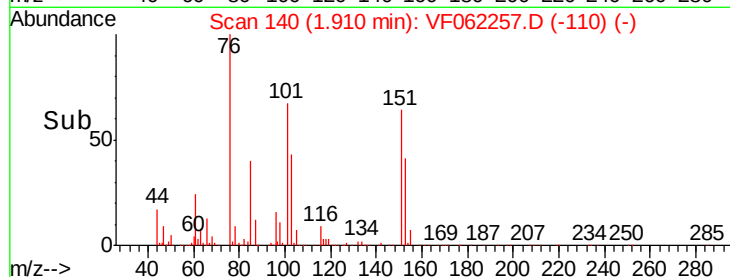
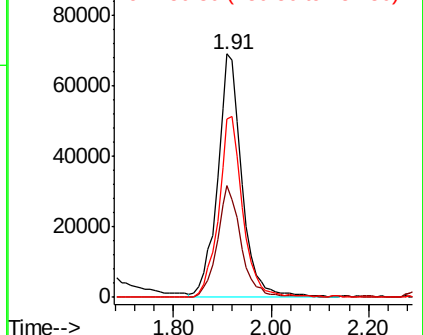
151 74.3 57.5 86.3



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

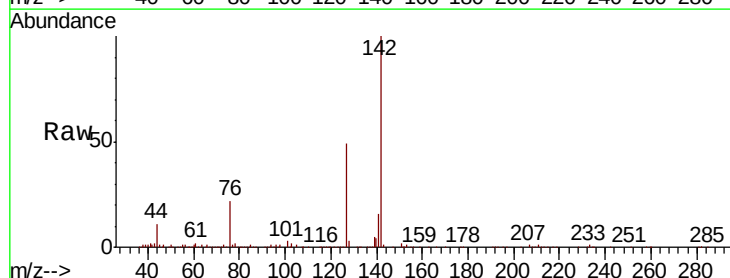
Tgt Ion:142 Resp: 430236

Ion Ratio Lower Upper

142 100

127 50.4 33.0 49.4#

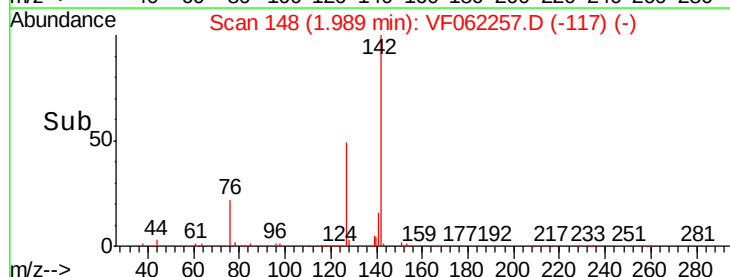
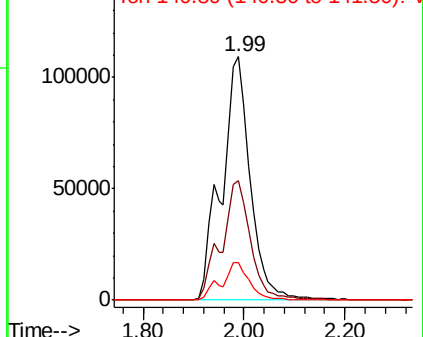
141 15.2 12.7 19.1

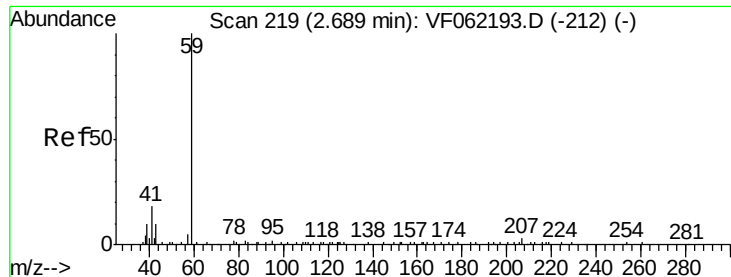


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



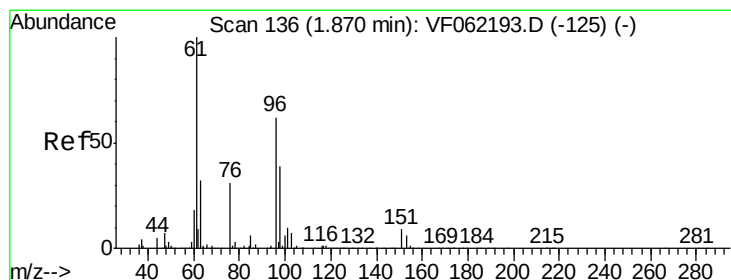
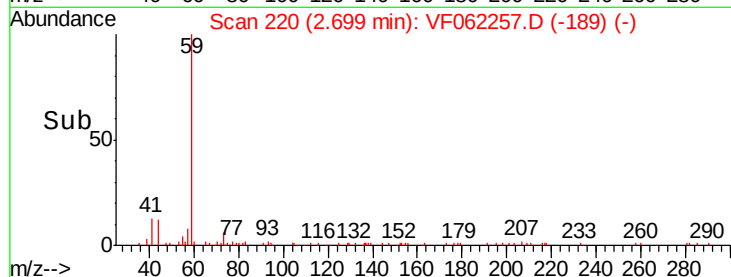
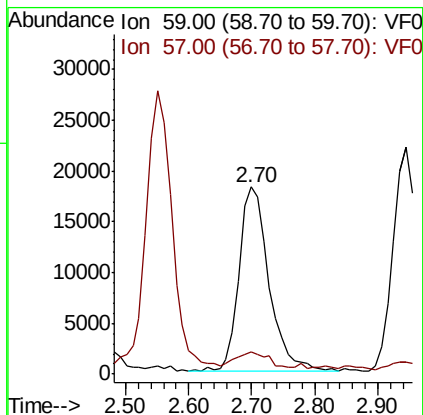
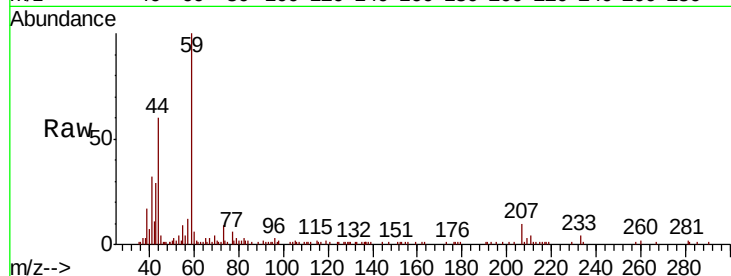


#11

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

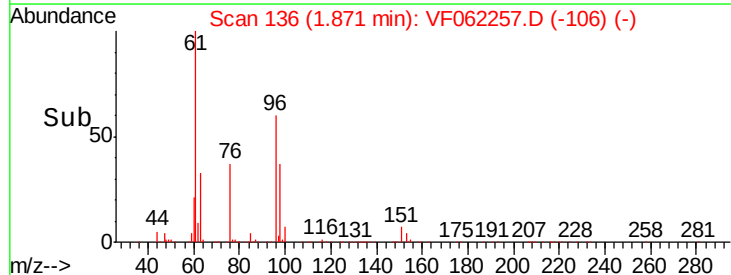
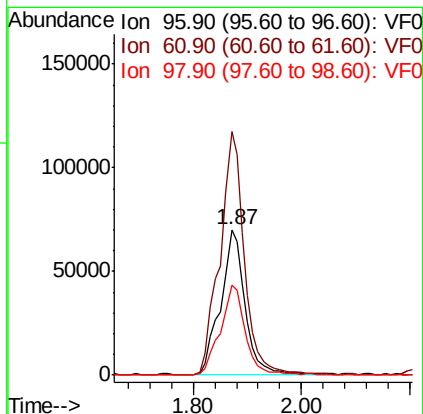
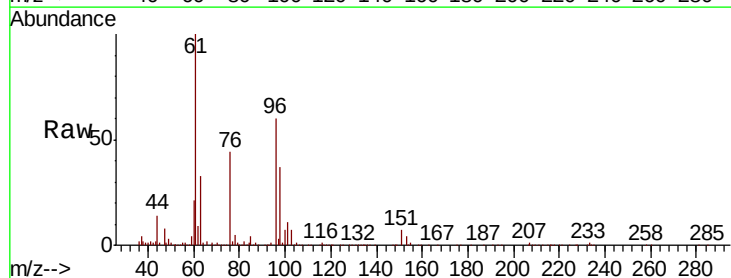
Tgt Ion: 59 Resp: 60329
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.3 13.9#

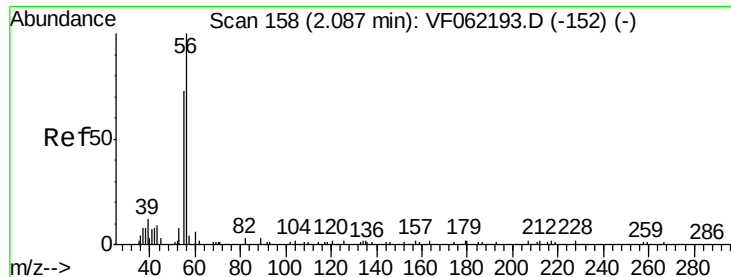


#12

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 :

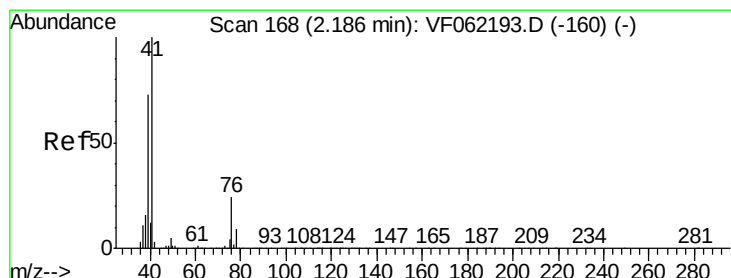
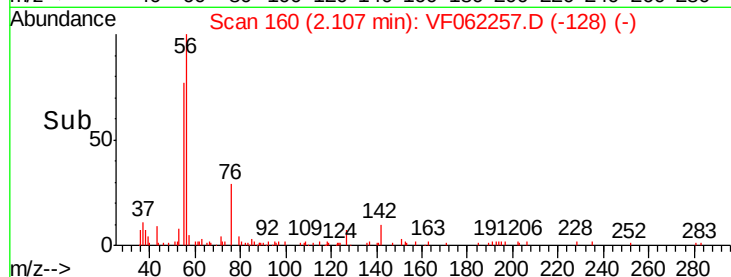
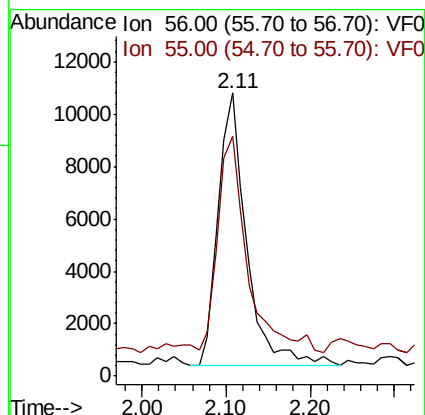
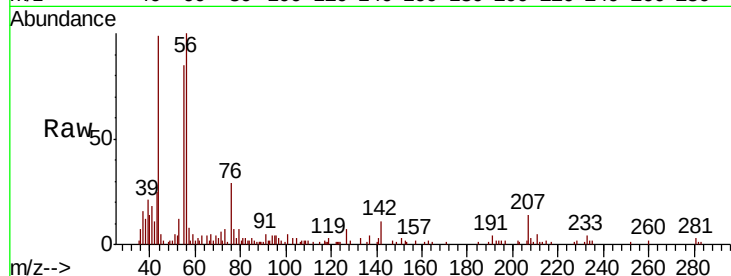
VSTDCCC050

Tgt 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

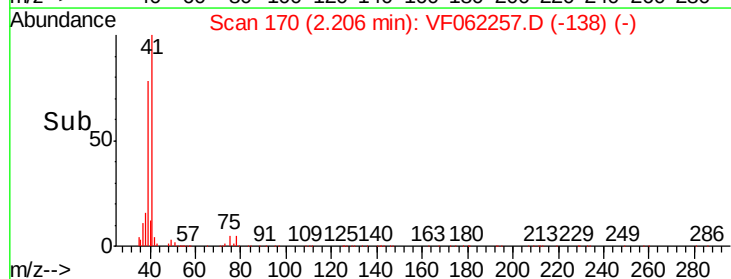
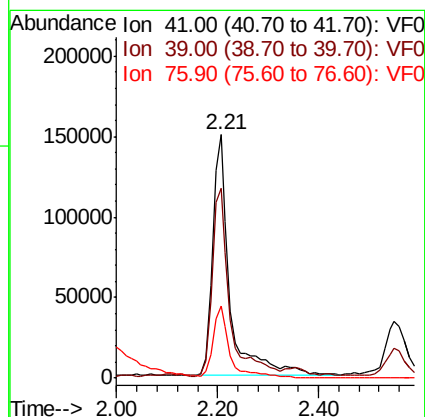
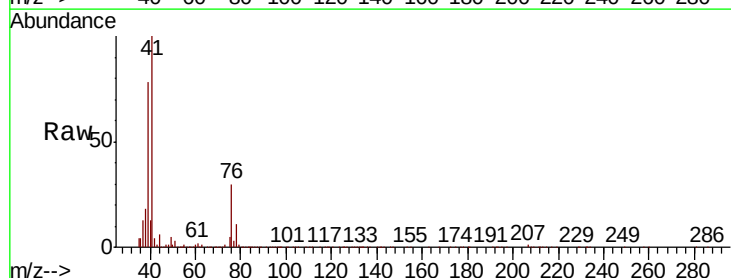
Tgt Ion: 41 Resp: 362065

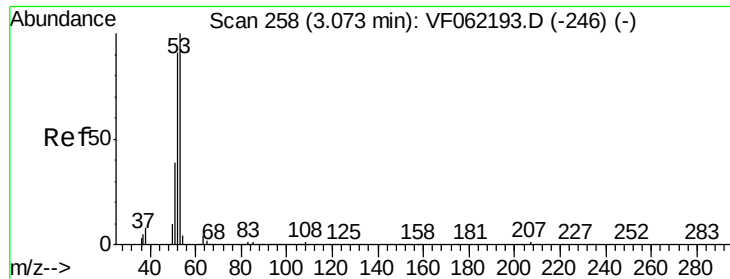
Ion Ratio Lower Upper

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

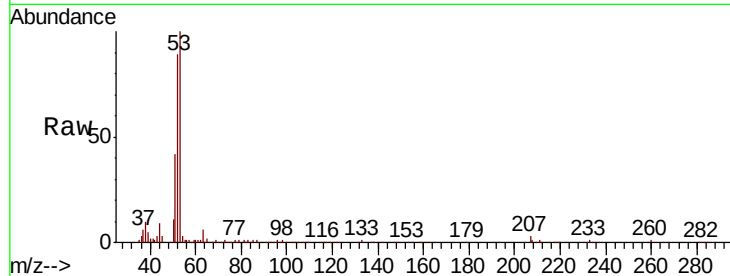
Tgt Ion: 53 Resp: 196365

Ion Ratio Lower Upper

53 100

52 86.7 69.5 104.3

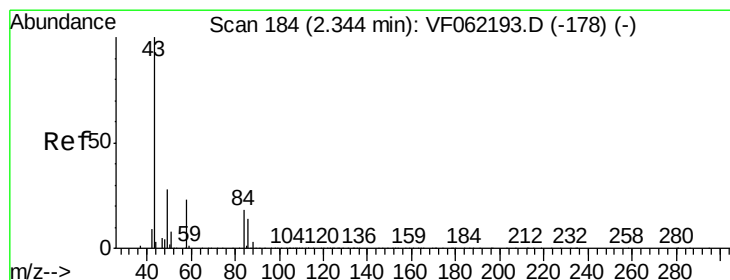
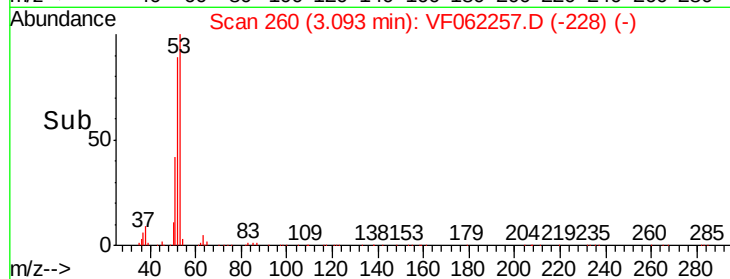
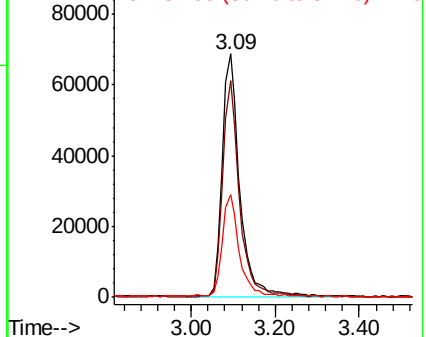
51 39.9 31.8 47.8



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

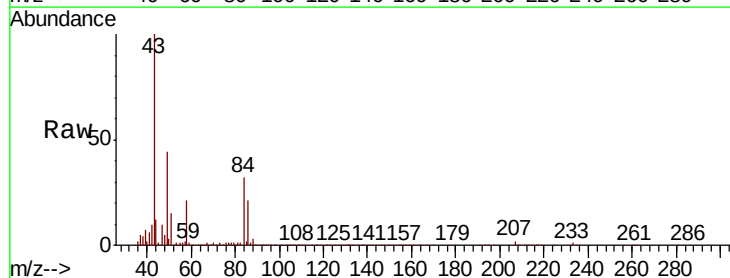
Acq: 23 Apr 2019 10:36

Tgt Ion: 43 Resp: 262488

Ion Ratio Lower Upper

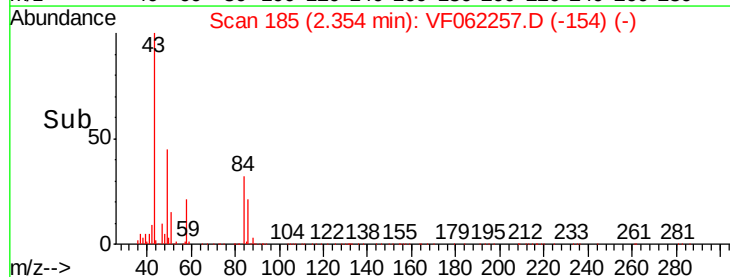
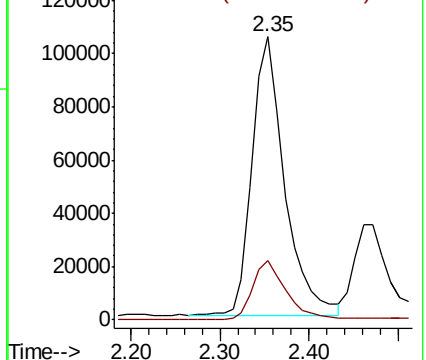
43 100

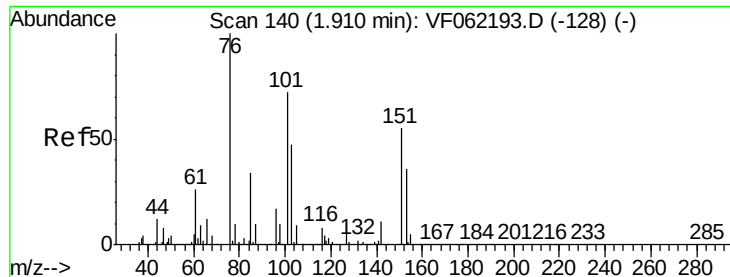
58 21.3 18.8 28.2



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 :

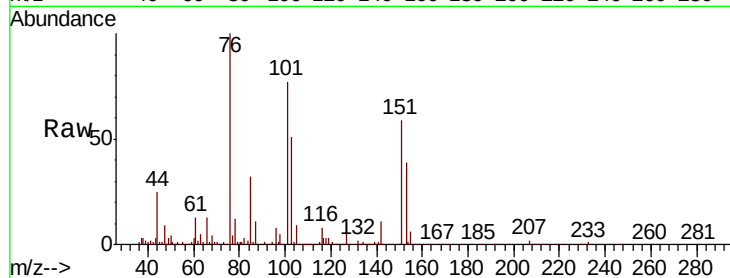
VSTDCCC050

Tgt Ion: 76 Resp: 605931

Ion Ratio Lower Upper

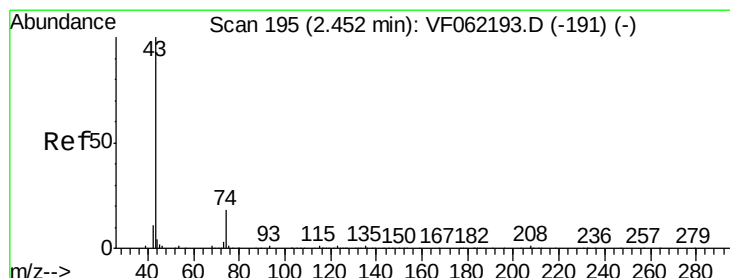
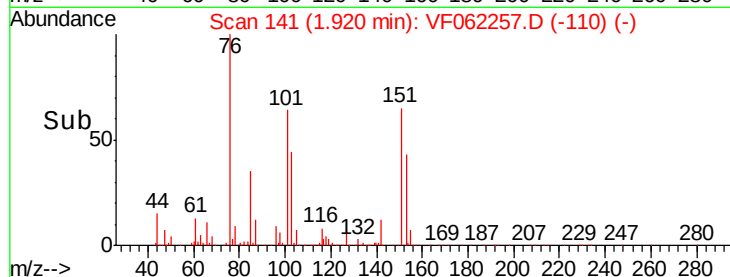
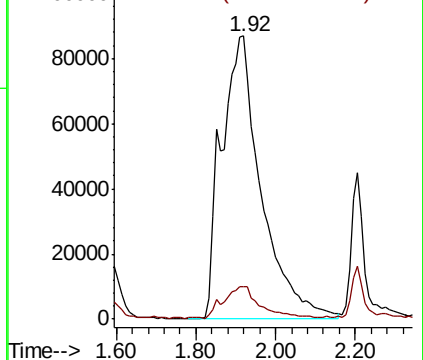
76 100

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

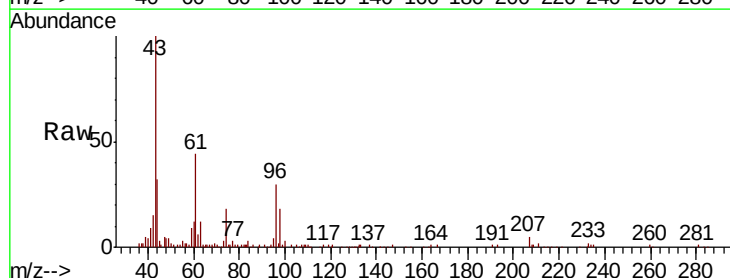
Acq: 23 Apr 2019 10:36

Tgt Ion: 43 Resp: 80804

Ion Ratio Lower Upper

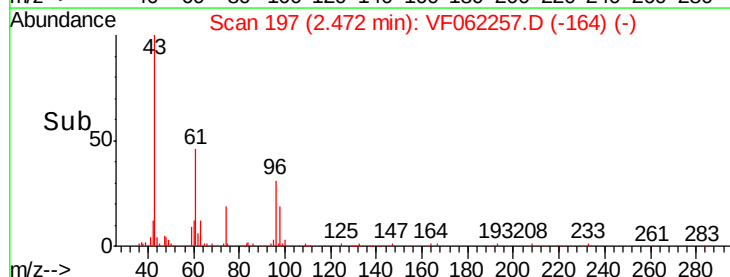
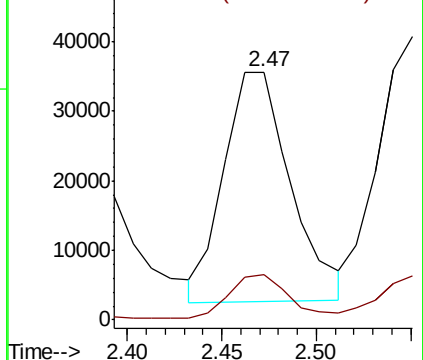
43 100

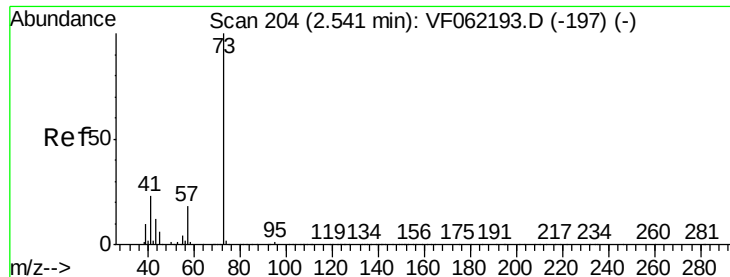
74 18.1 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



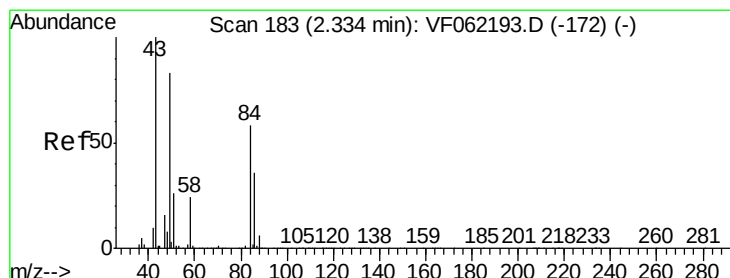
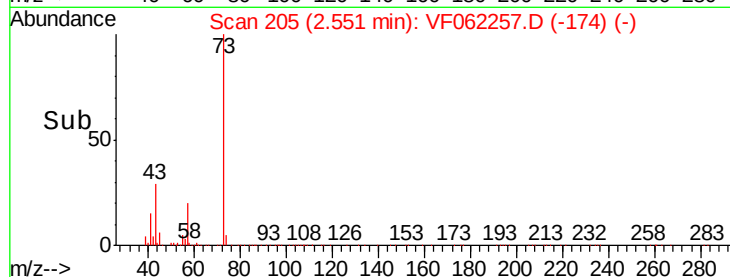
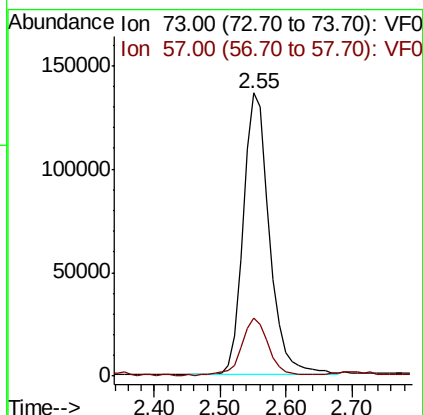
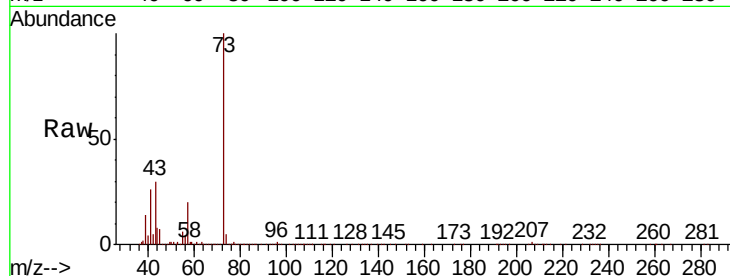


#19

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

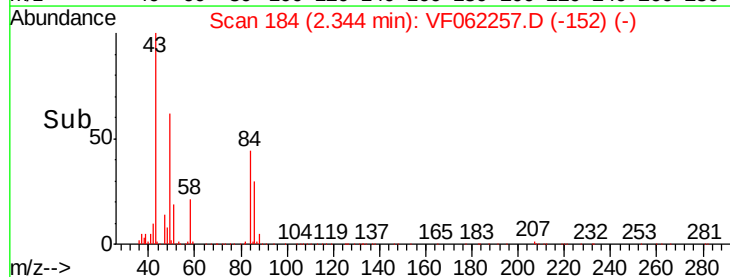
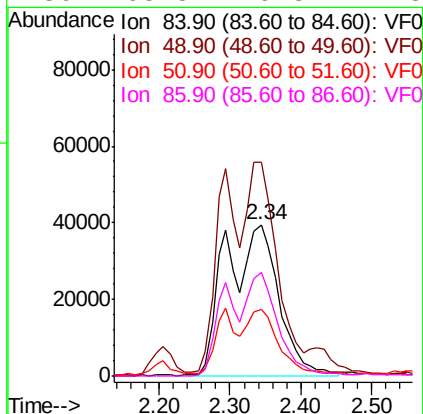
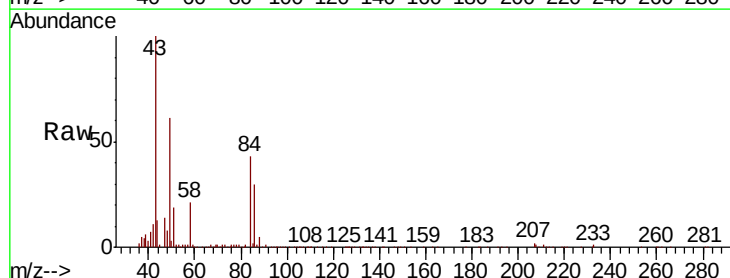
Tgt Ion: 73 Resp: 381232
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.1 22.7

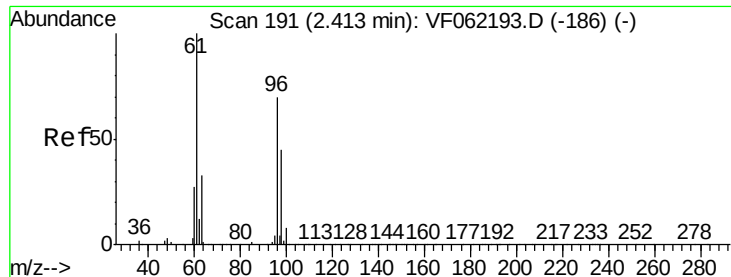


#20

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

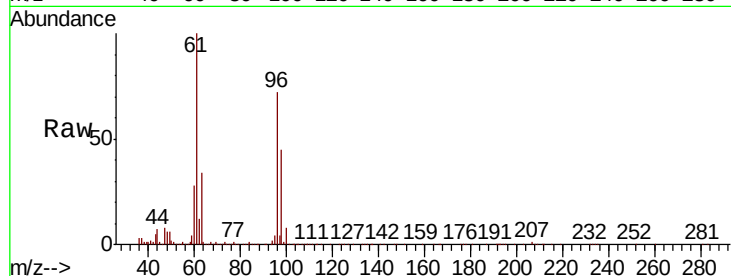
Tgt Ion: 96 Resp: 209231

Ion Ratio Lower Upper

96 100

61 138.5 114.6 172.0

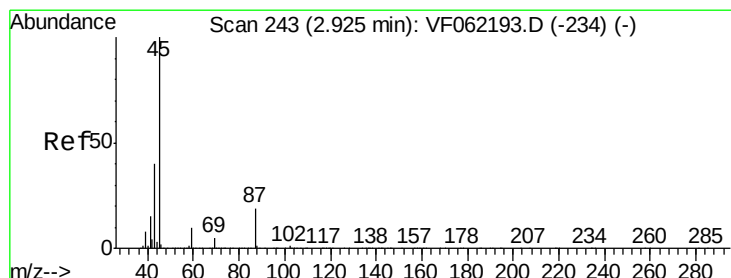
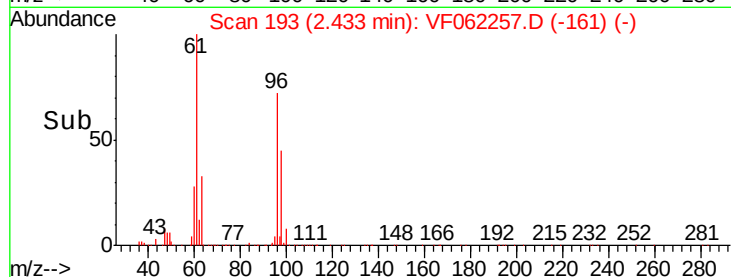
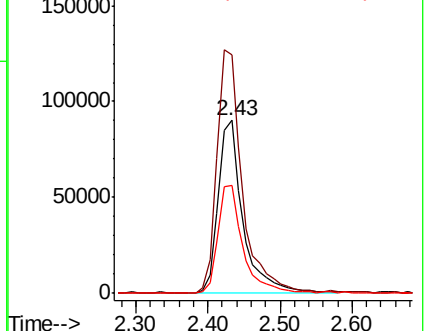
98 62.7 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 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

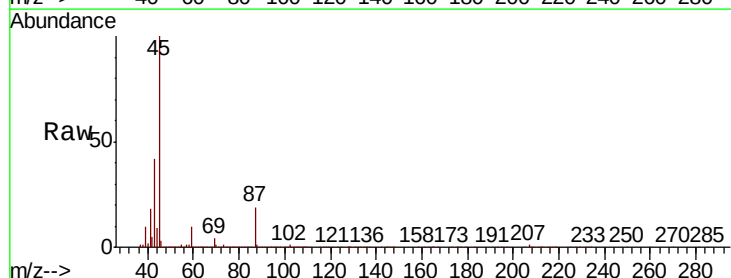
Ion Ratio Lower Upper

45 100

43 41.2 32.8 49.2

87 19.5 15.2 22.8

59 10.2 7.8 11.6

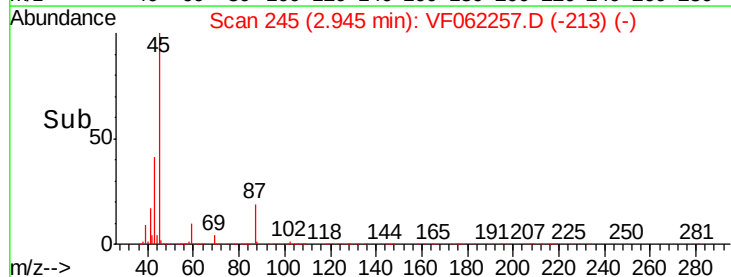
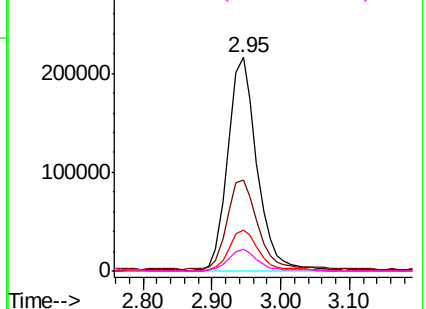


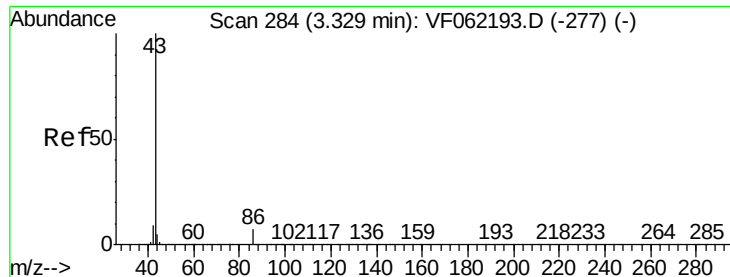
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 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 :

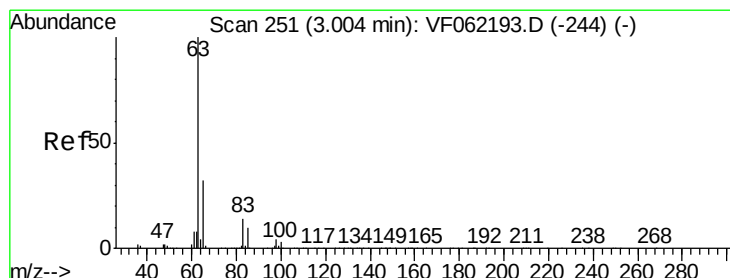
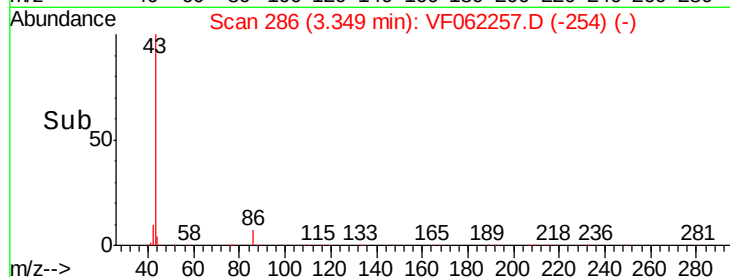
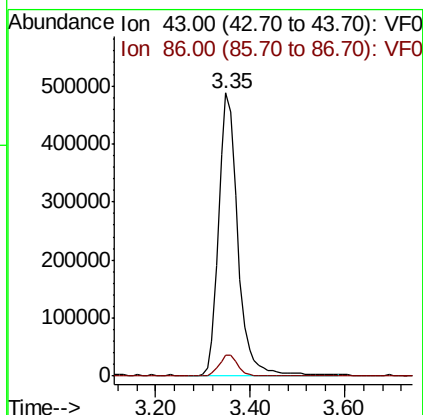
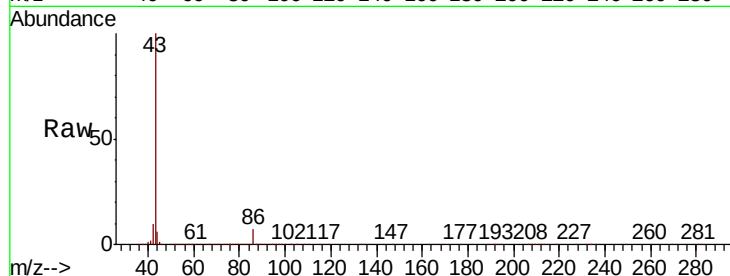
VSTDCCC050

Tgt 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

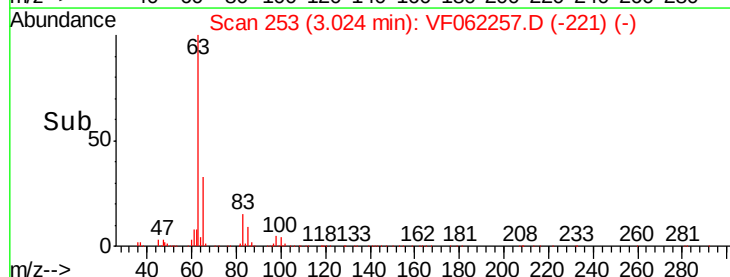
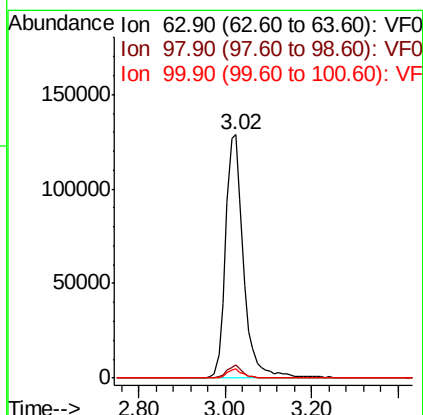
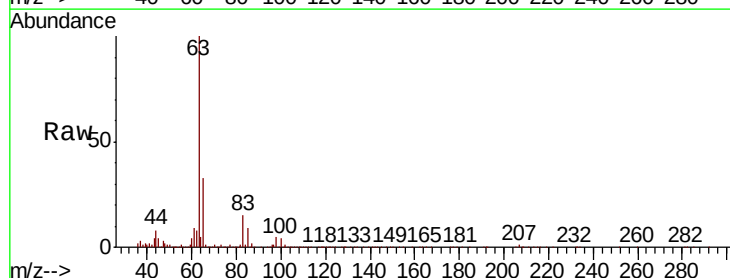
Tgt Ion: 63 Resp: 368043

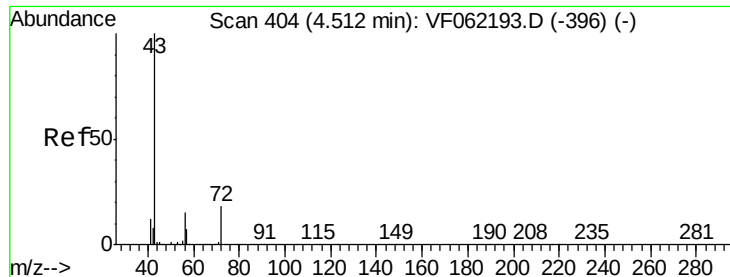
Ion Ratio Lower Upper

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 :

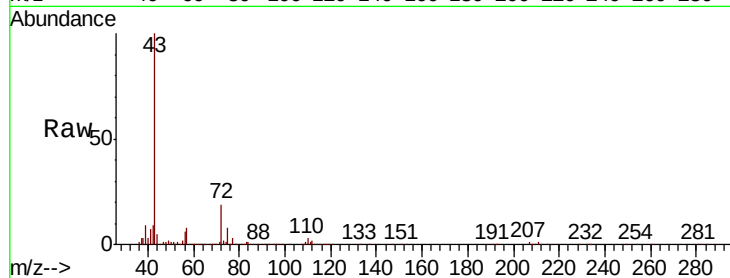
VSTDCCC050

Tgt Ion: 43 Resp: 392424

Ion Ratio Lower Upper

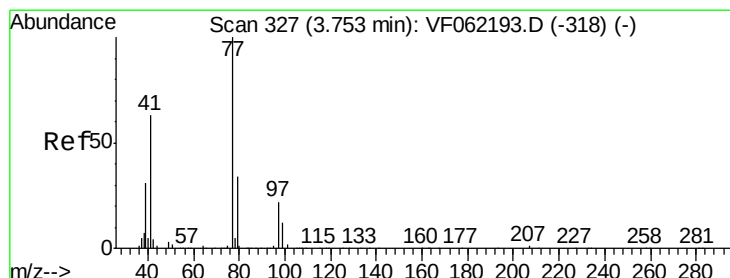
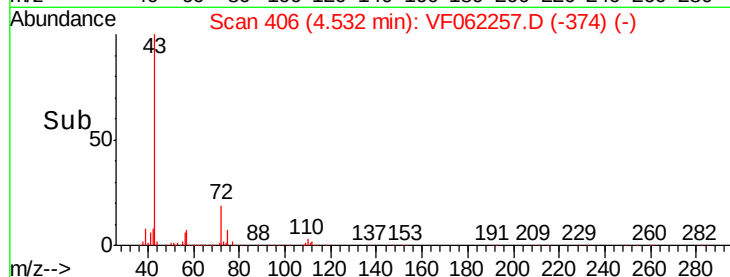
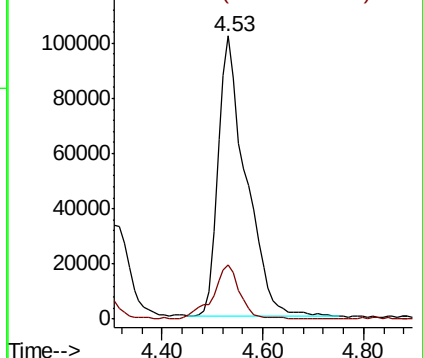
43 100

72 19.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#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

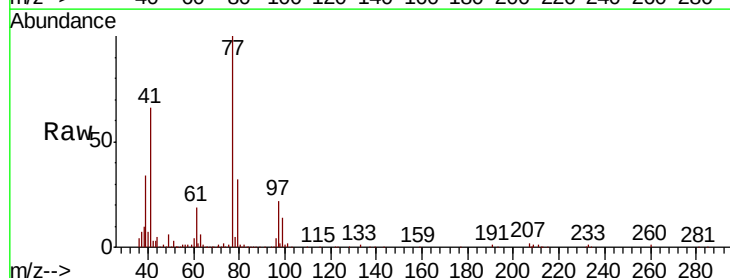
Acq: 23 Apr 2019 10:36

Tgt Ion: 77 Resp: 203652

Ion Ratio Lower Upper

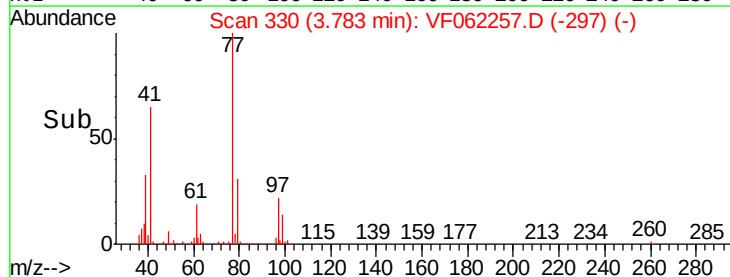
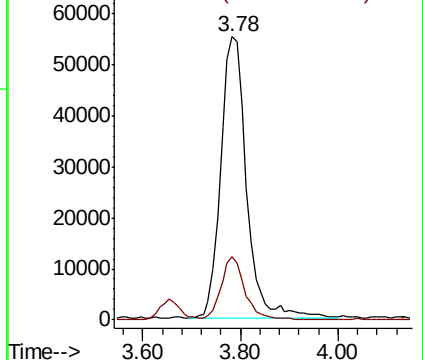
77 100

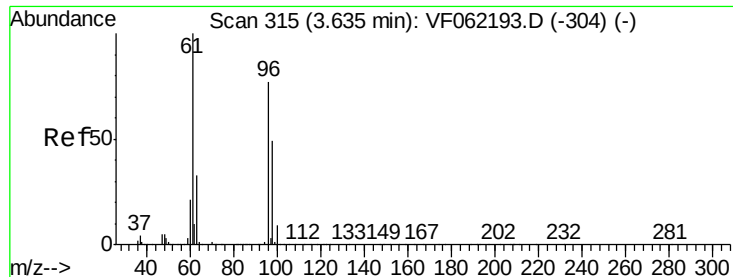
97 20.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



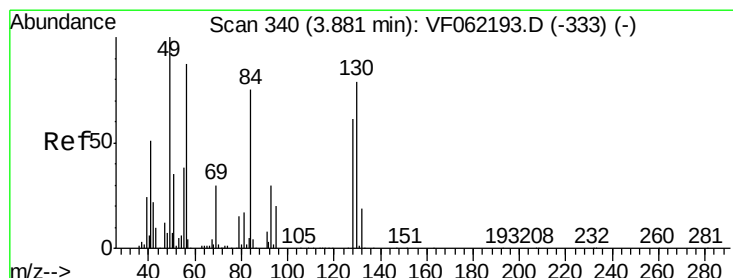
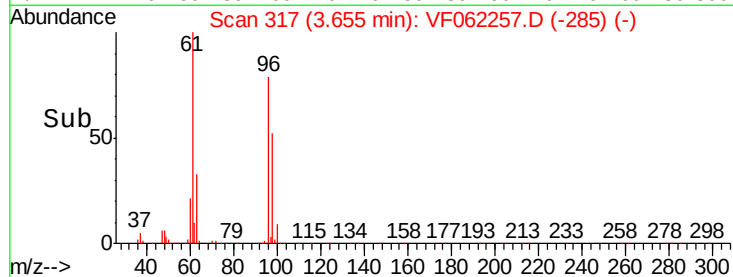
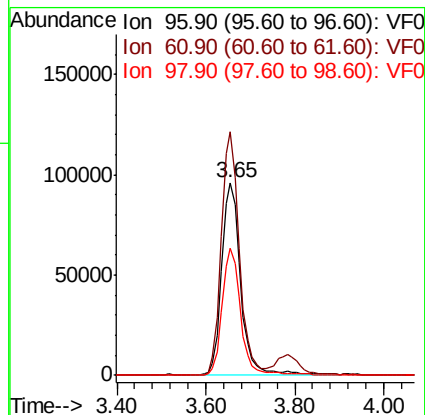
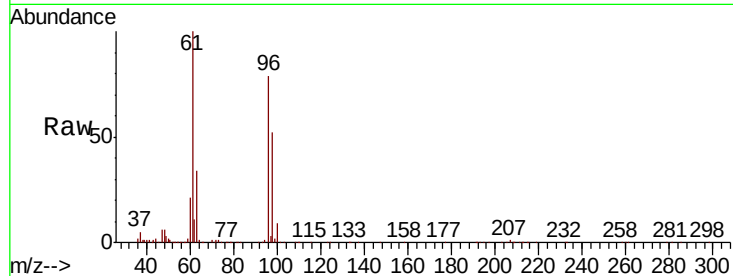


#27

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

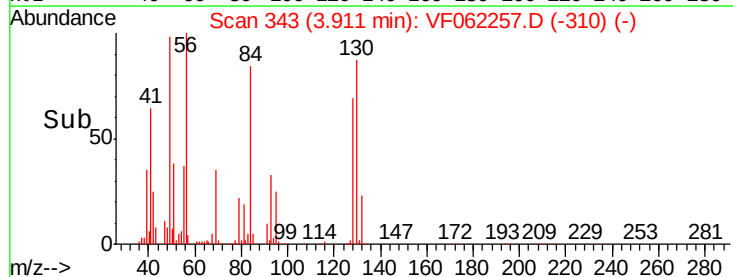
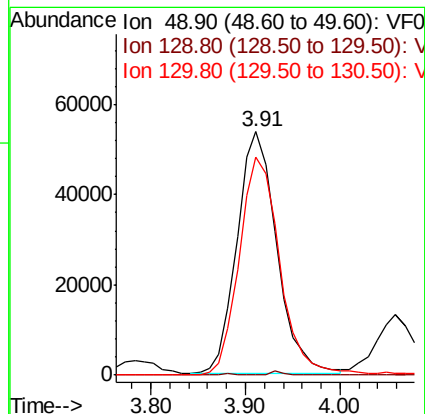
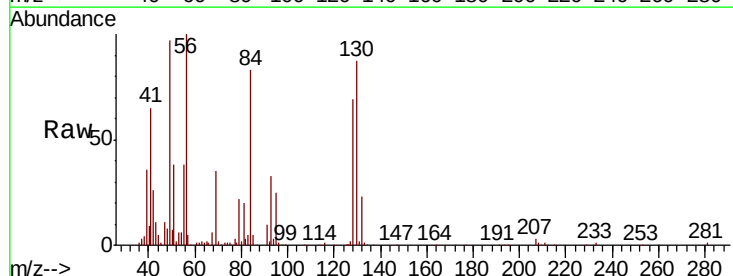
Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.1	0.0	253.6
98	66.0	0.0	124.8

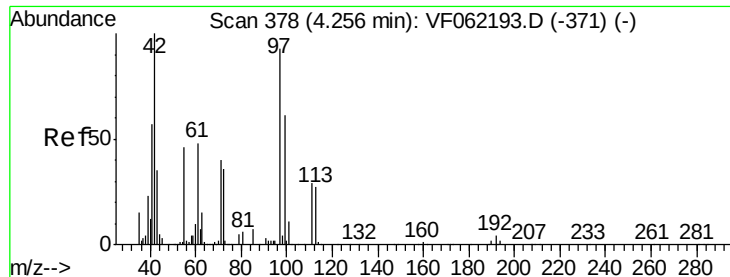


#28

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

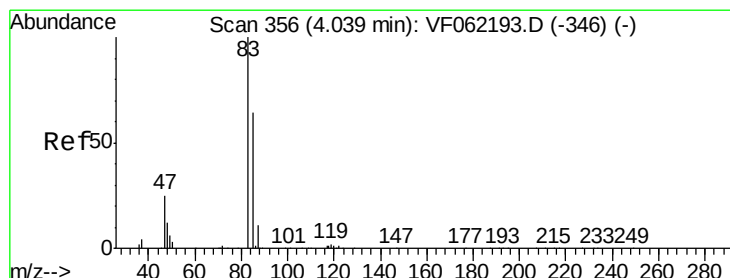
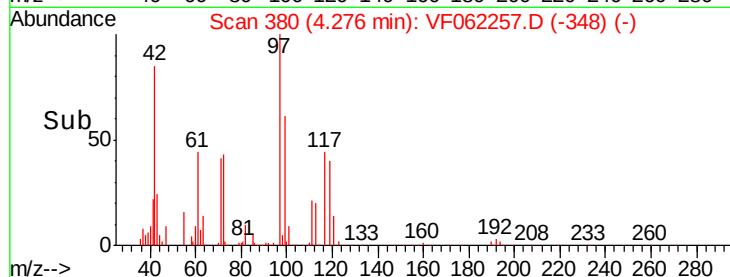
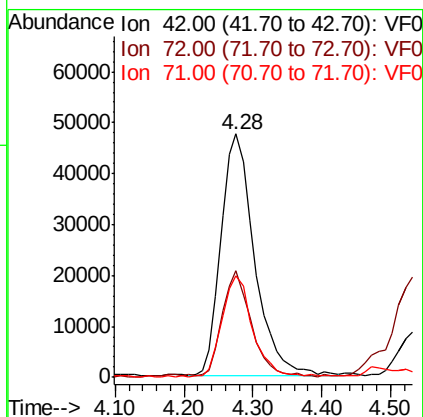
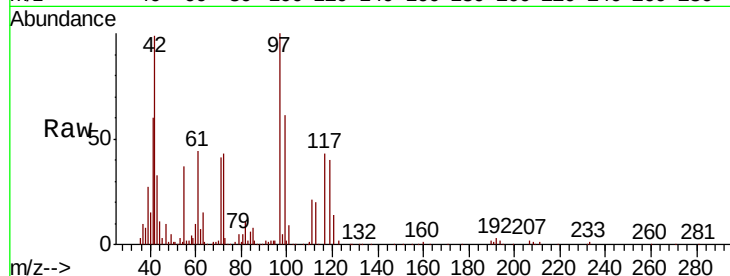




#29
Tetrahydrofuran
Concen: 211.099 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

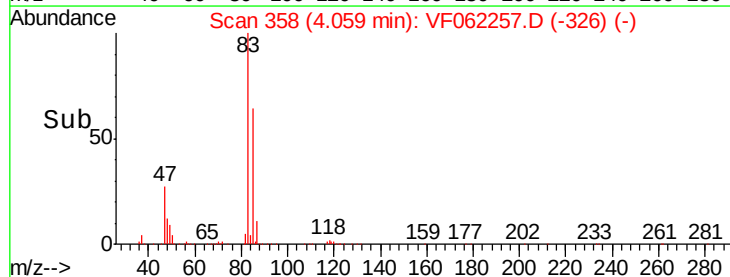
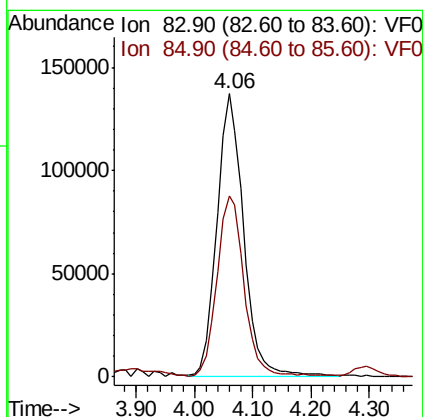
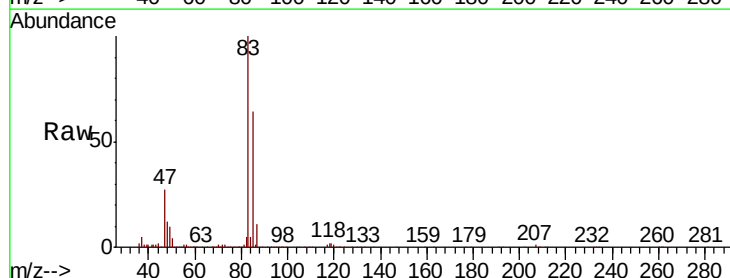
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

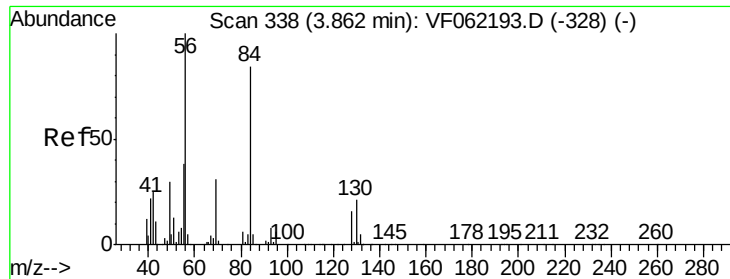
Tgt Ion: 42 Resp: 158939
Ion Ratio Lower Upper
42 100
72 38.2 28.6 43.0
71 38.1 29.2 43.8



#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

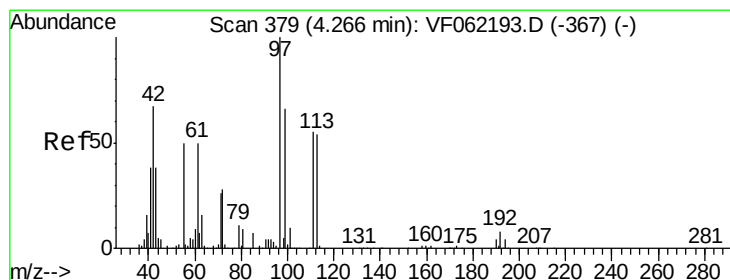
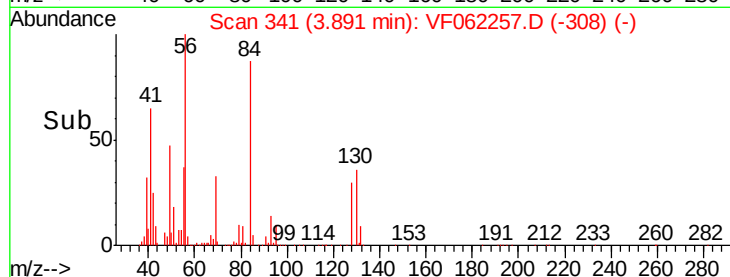
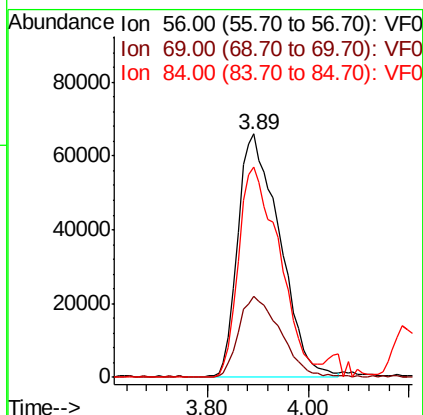
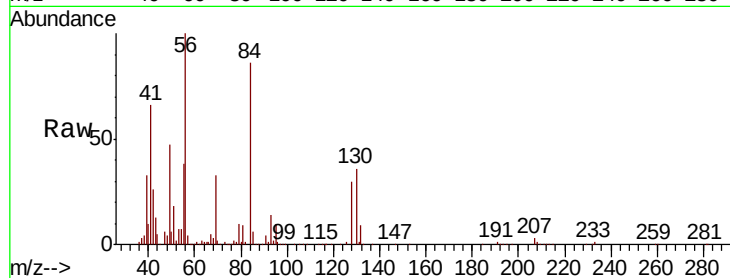




#31
Cyclohexane
Concen: 46.234 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

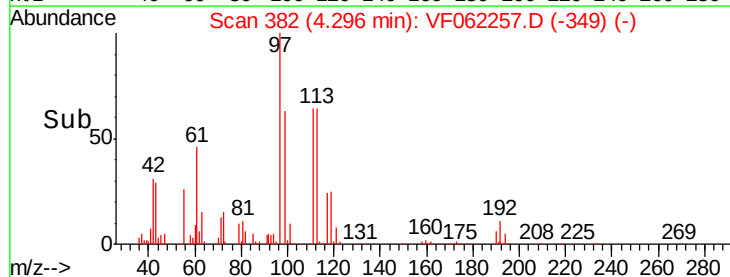
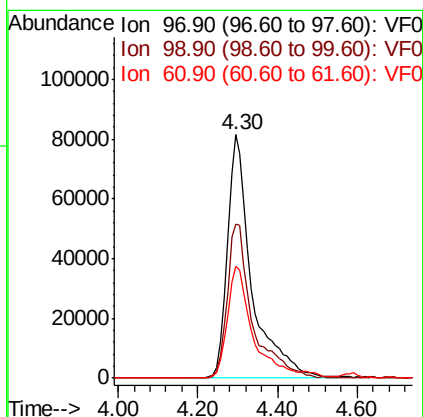
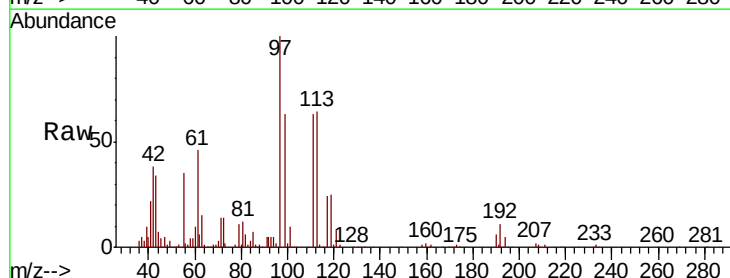
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

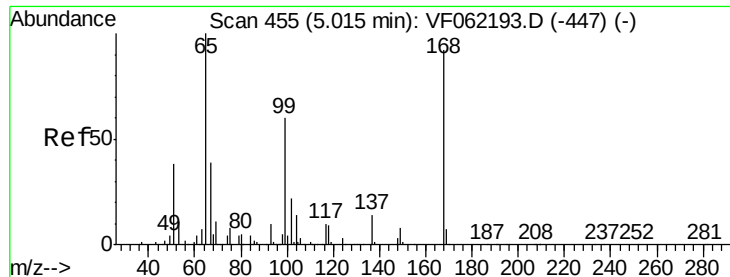
Tgt Ion: 56 Resp: 376198
Ion Ratio Lower Upper
56 100
69 33.1 25.1 37.7
84 86.2 67.8 101.6



#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#

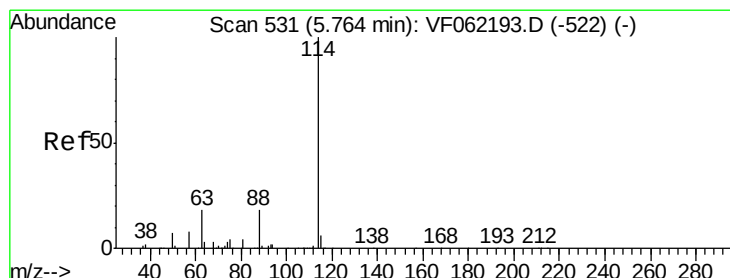
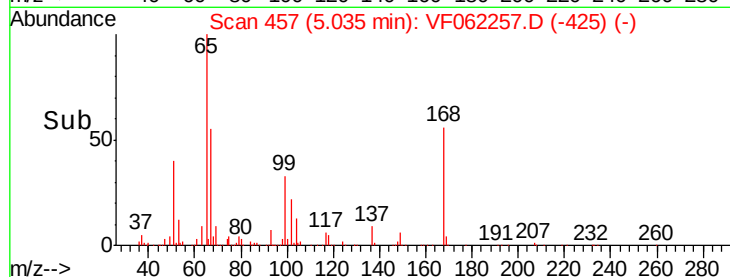
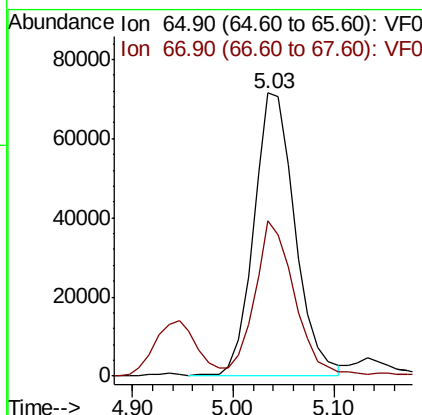
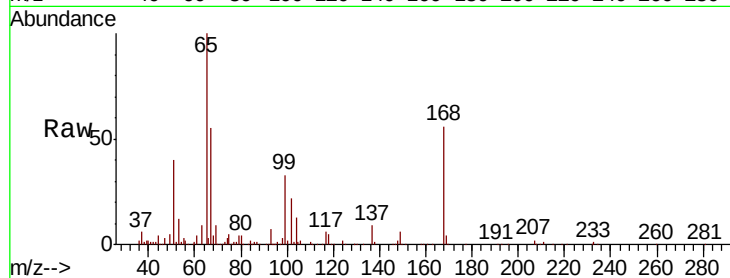




#33
 1,2-Dichloroethane-d4
 Concen: 57.494 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

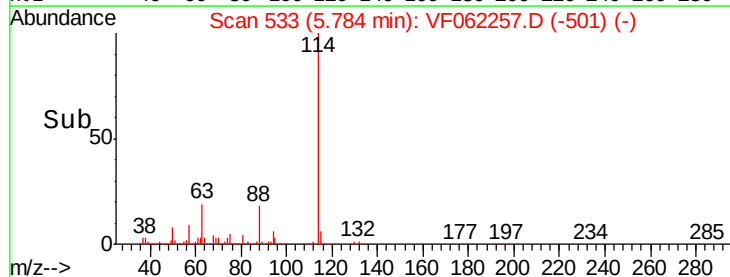
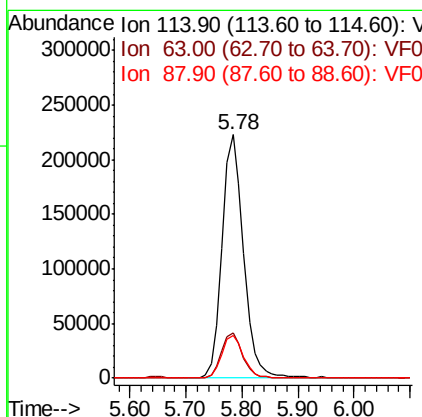
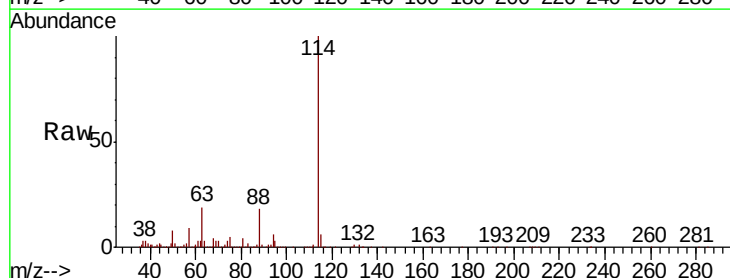
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

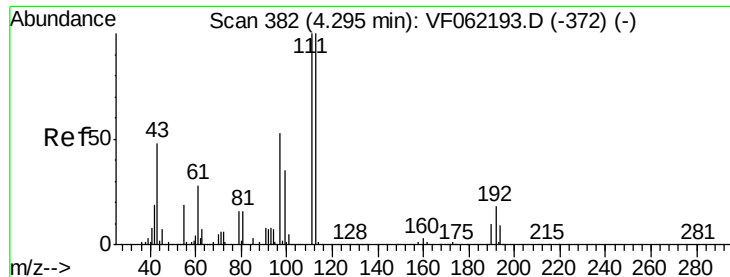
Tgt Ion: 65 Resp: 203357
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.4



#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

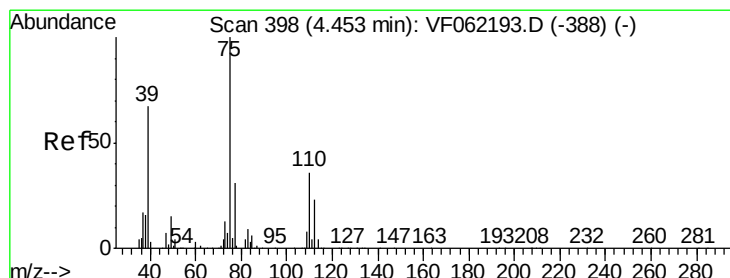
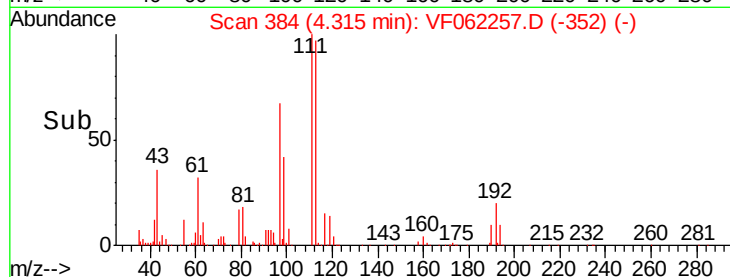
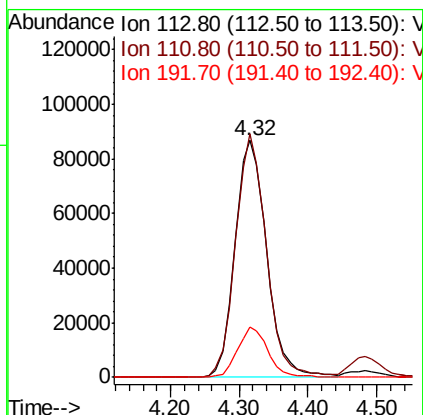
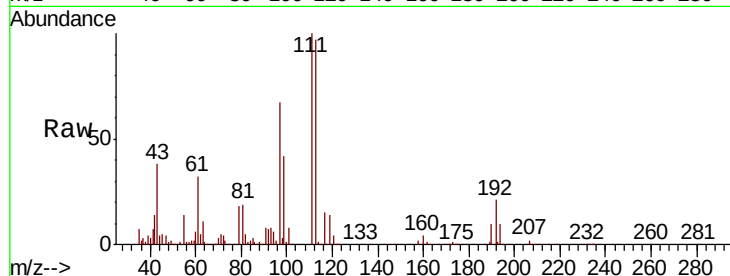




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

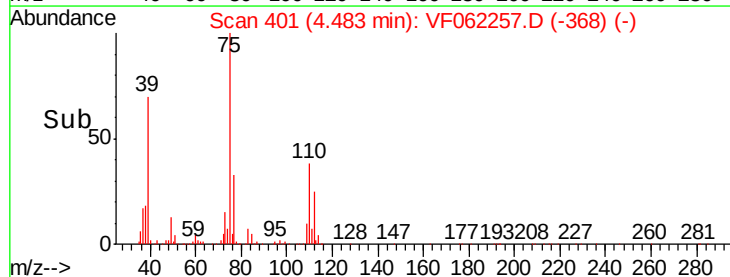
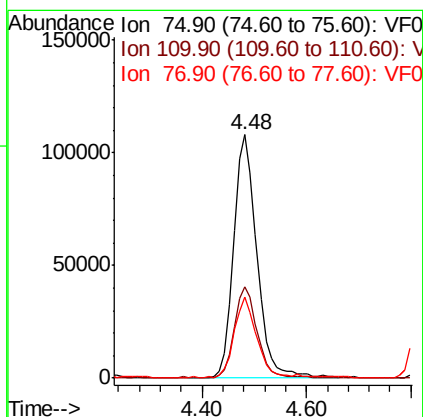
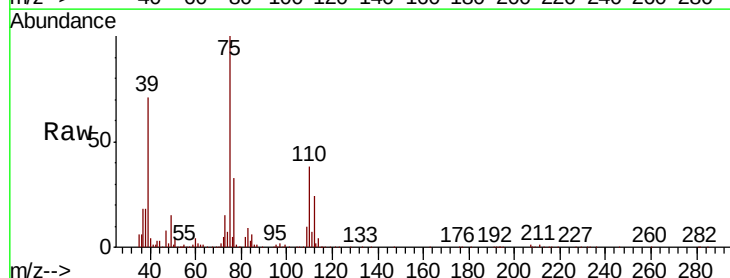
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

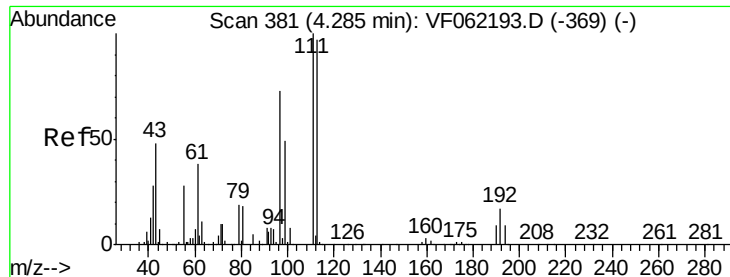
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.2	81.1	121.7
192	20.3	14.7	22.1



#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





#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

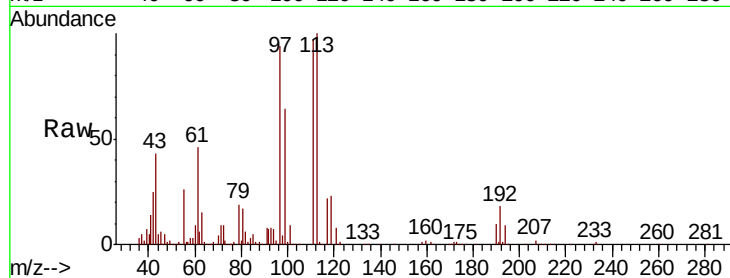
Tgt Ion: 43 Resp: 131517

Ion Ratio Lower Upper

43 100

61 126.1 0.0 0.0#

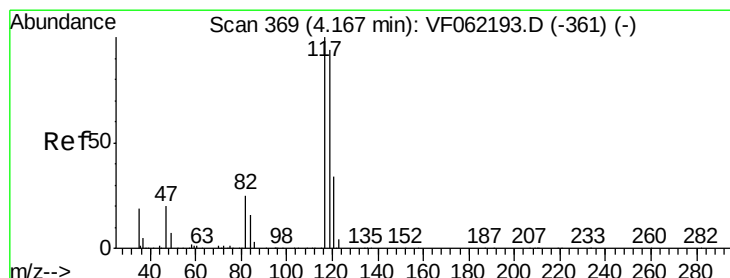
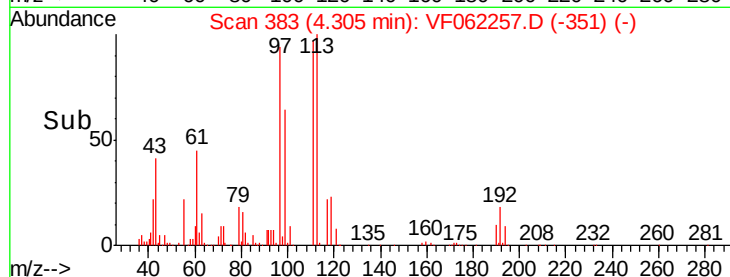
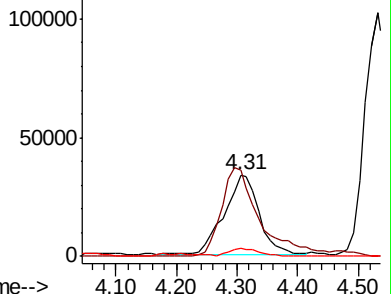
70 9.0 7.8 11.6



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

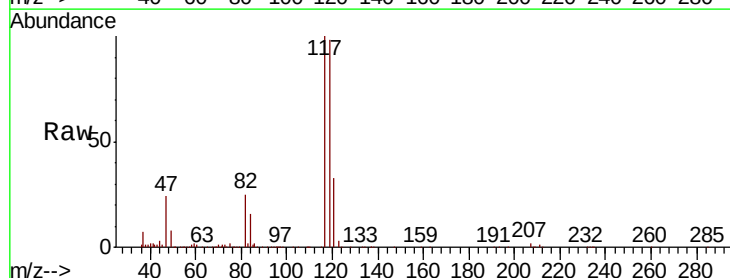
Tgt Ion: 117 Resp: 410215

Ion Ratio Lower Upper

117 100

119 98.2 75.0 112.4

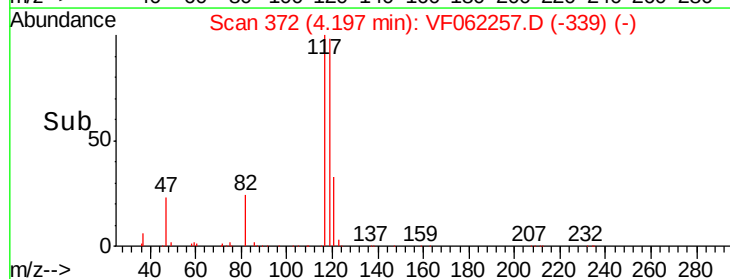
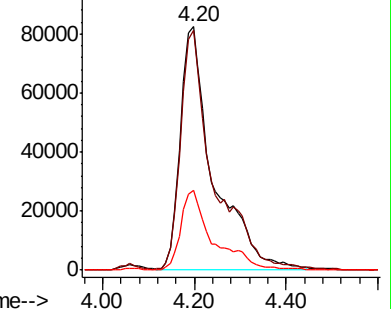
121 32.6 26.9 40.3

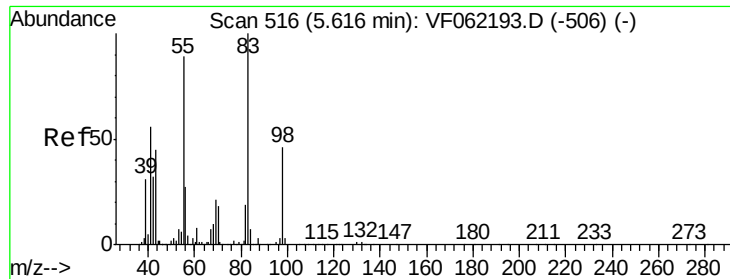


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

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

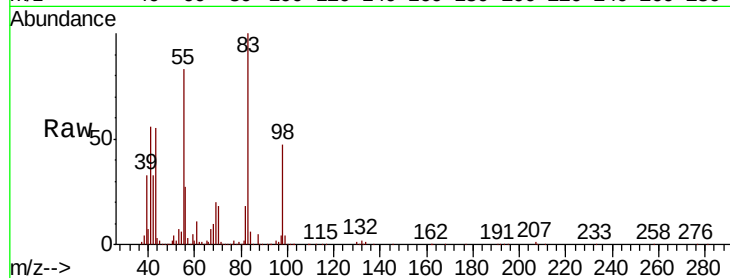
Tgt Ion: 83 Resp: 438528

Ion Ratio Lower Upper

83 100

55 83.1 71.0 106.6

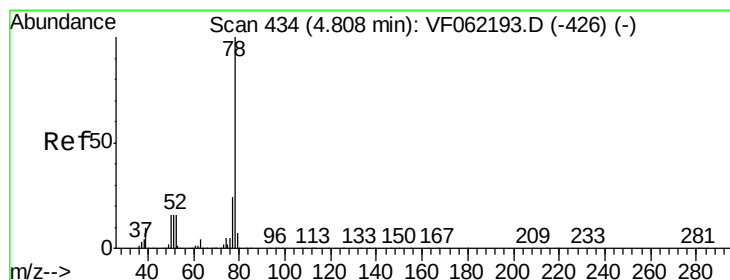
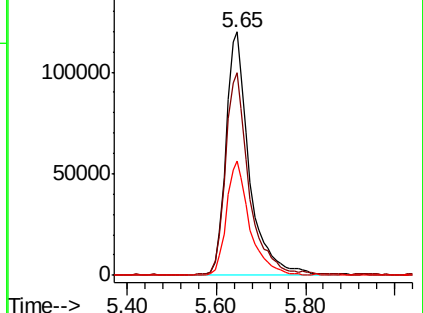
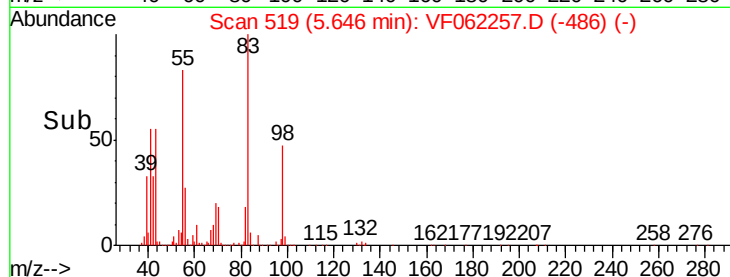
98 46.7 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 43.148 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF062257.D

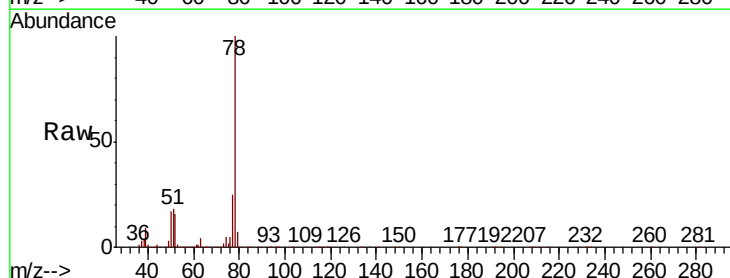
Acq: 23 Apr 2019 10:36

Tgt Ion: 78 Resp: 810102

Ion Ratio Lower Upper

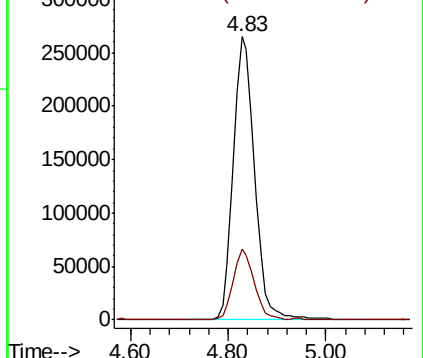
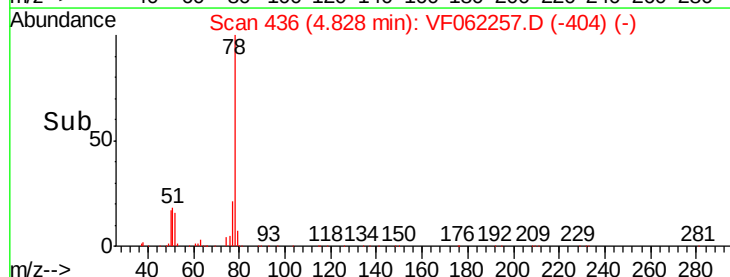
78 100

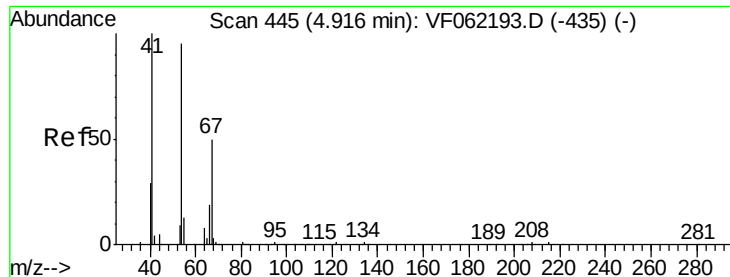
77 24.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

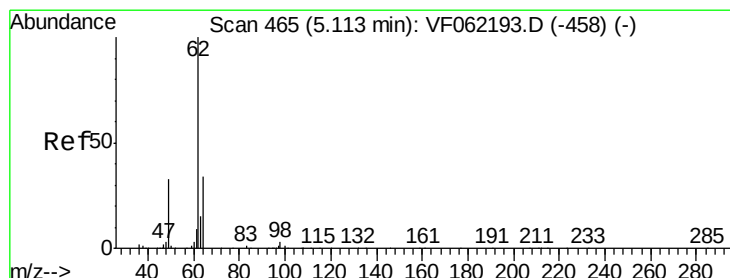
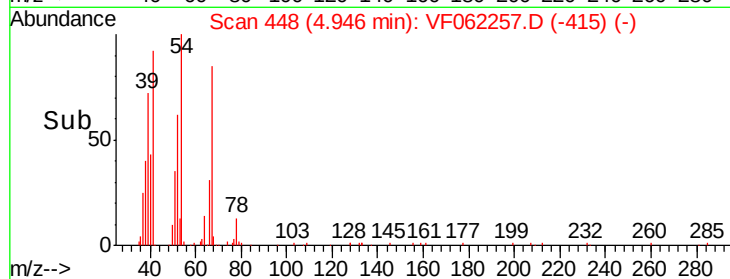
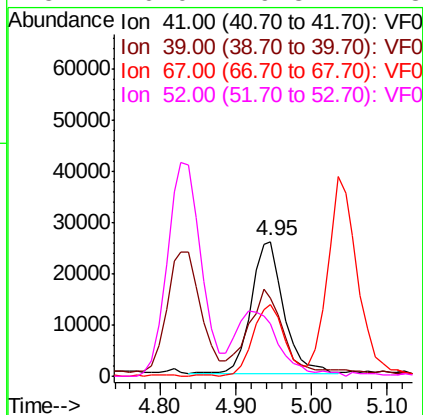
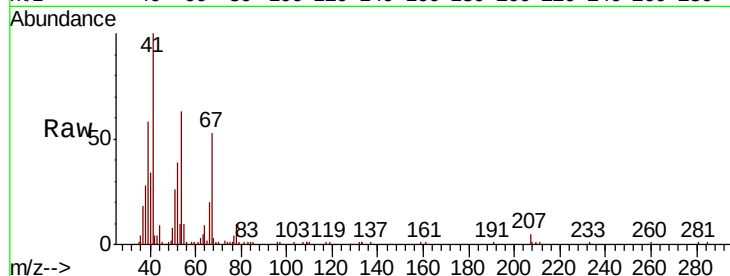




#41
Methacrylonitrile
Concen: 40.549 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.03 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

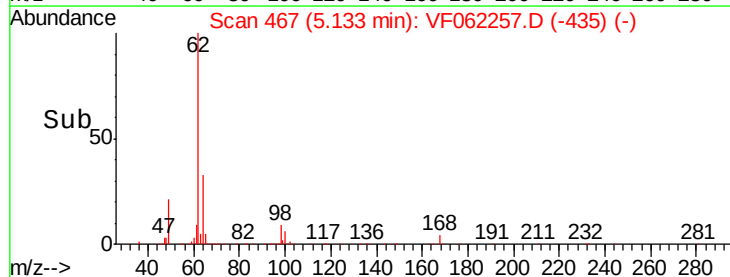
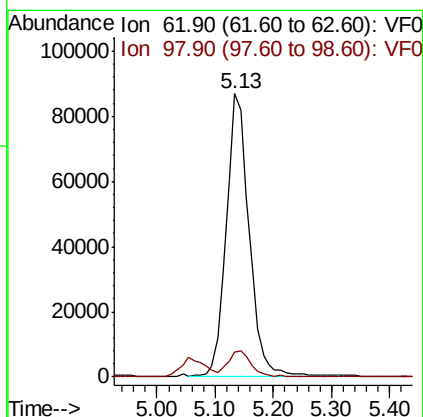
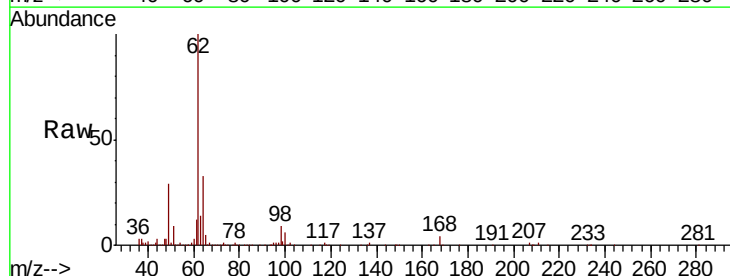
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

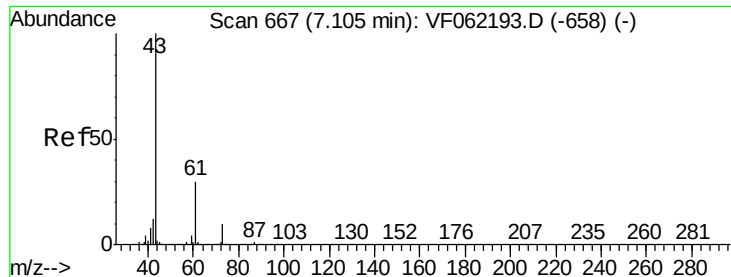
Tgt Ion:	41	Resp:	79002
Ion	Ratio	Lower	Upper
41	100		
39	60.2	44.7	67.1
67	50.9	39.1	58.7
52	0.0	49.8	74.8#



#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

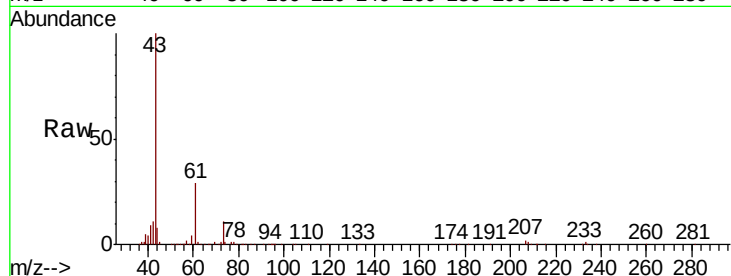
Tgt Ion: 43 Resp: 150483

Ion Ratio Lower Upper

43 100

61 29.9 24.4 36.6

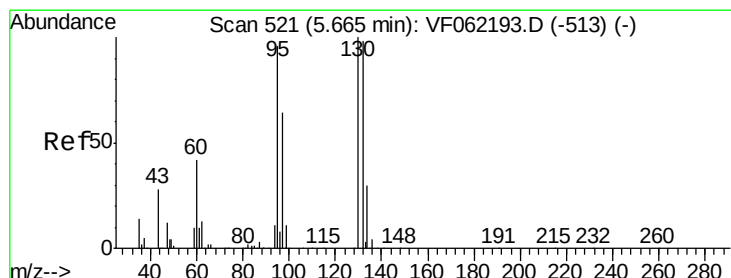
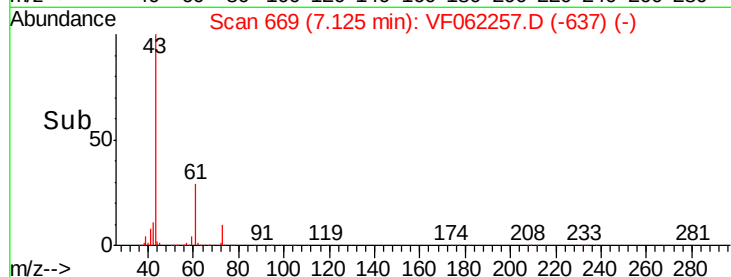
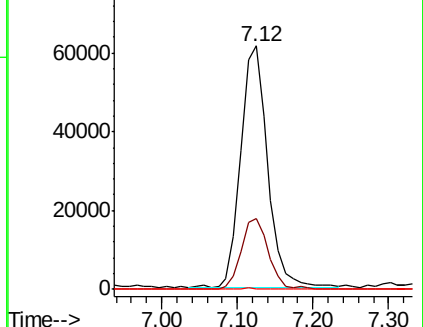
87 0.4 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 53.890 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.03 min

Lab File: VF062257.D

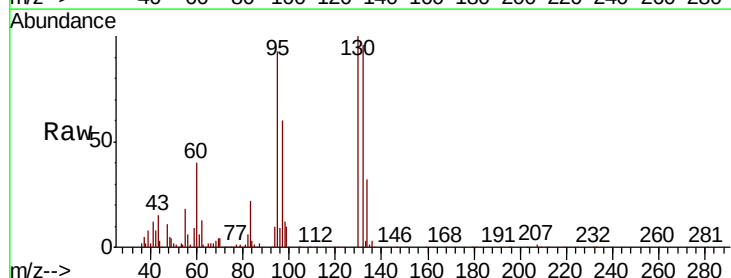
Acq: 23 Apr 2019 10:36

Tgt Ion: 130 Resp: 273401

Ion Ratio Lower Upper

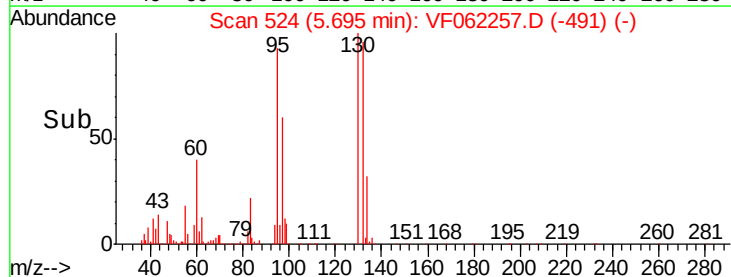
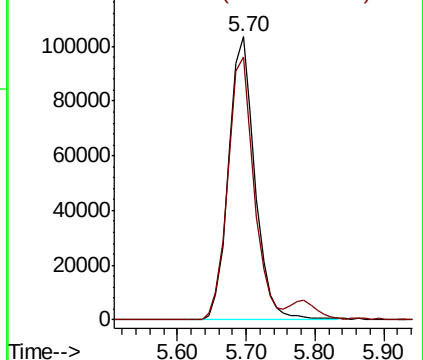
130 100

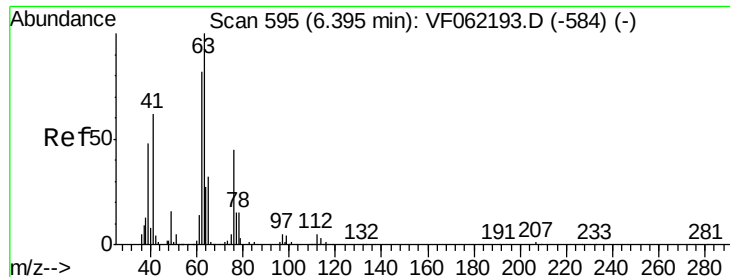
95 92.5 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

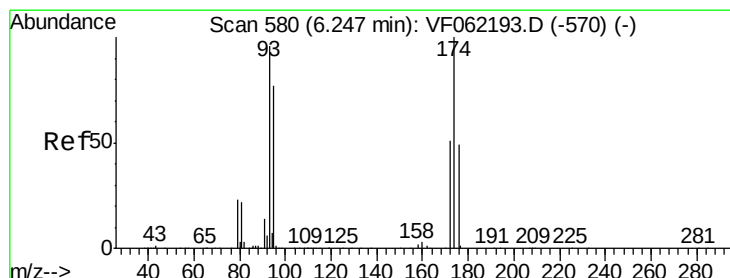
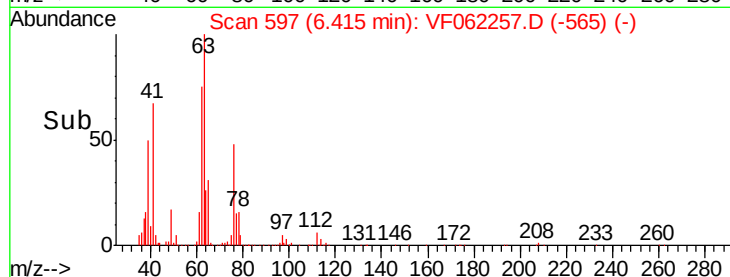
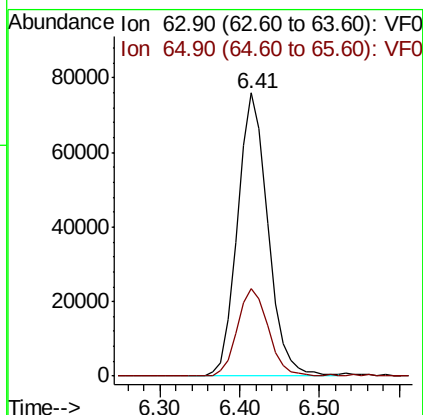
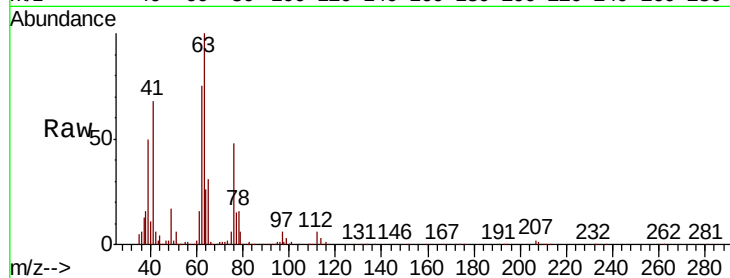




#45
 1,2-Dichloropropane
 Concen: 48.174 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. 0.02 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

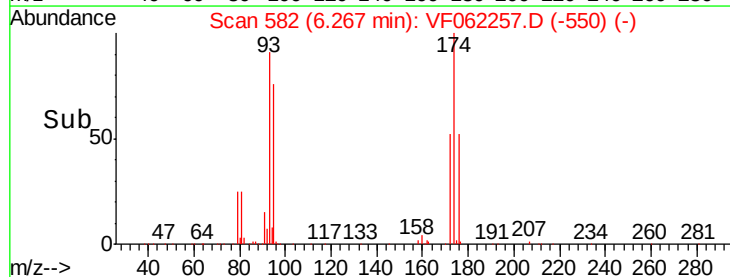
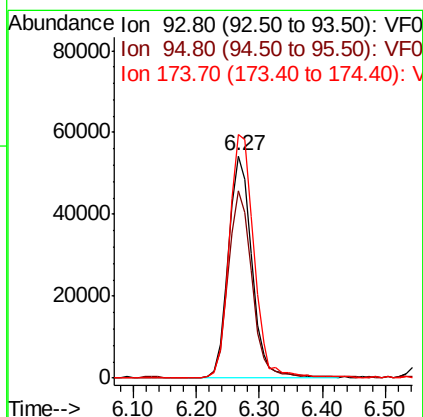
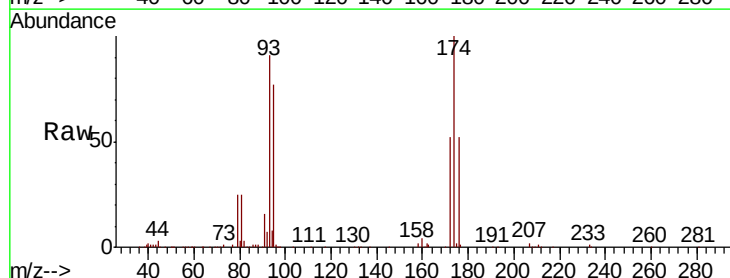
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

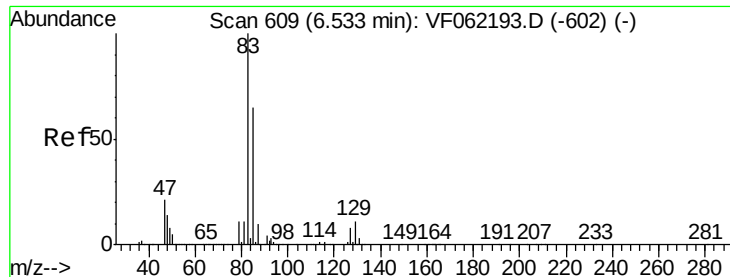
Tgt Ion: 63 Resp: 199228
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.9 38.9



#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





#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

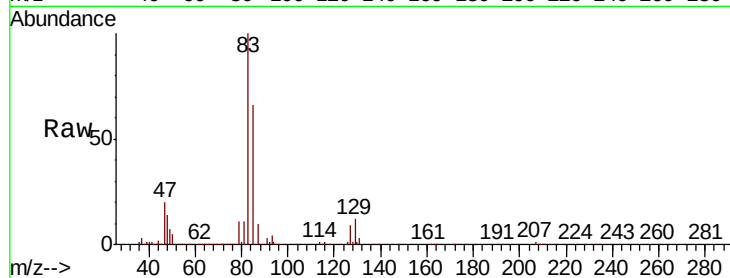
Tgt Ion: 83 Resp: 314898

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

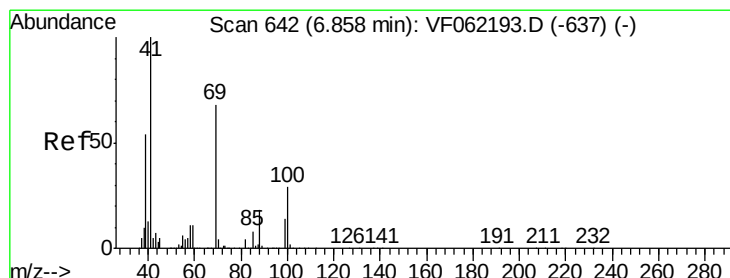
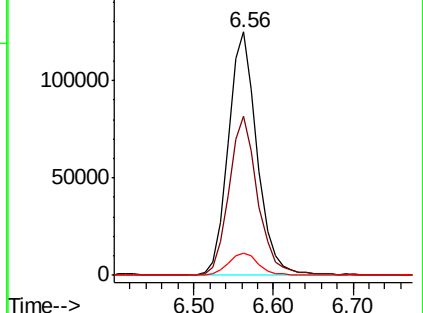
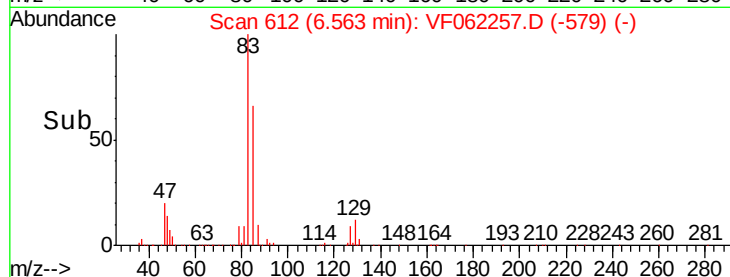
127 9.3 6.7 10.1



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

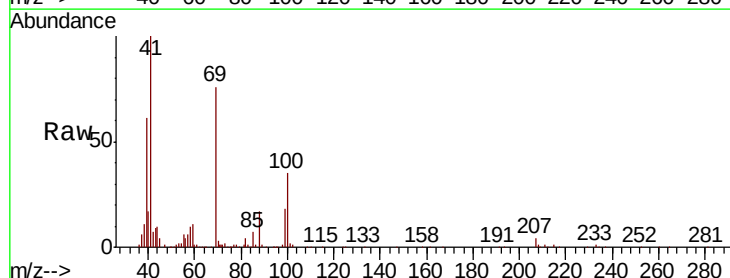
Tgt Ion: 41 Resp: 97246

Ion Ratio Lower Upper

41 100

69 72.9 54.9 82.3

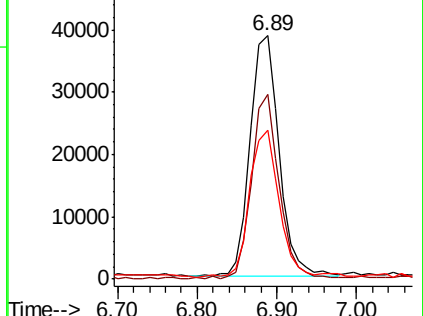
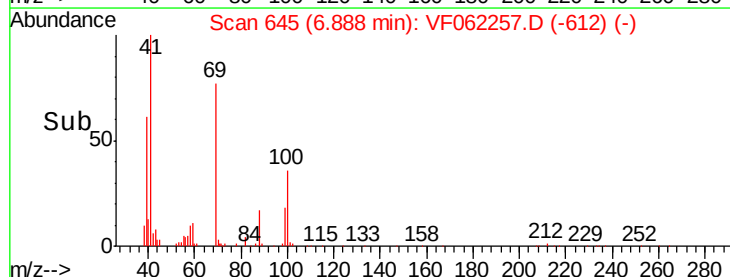
39 61.9 43.6 65.4

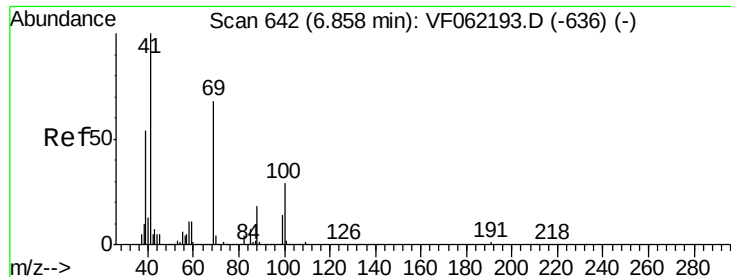


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

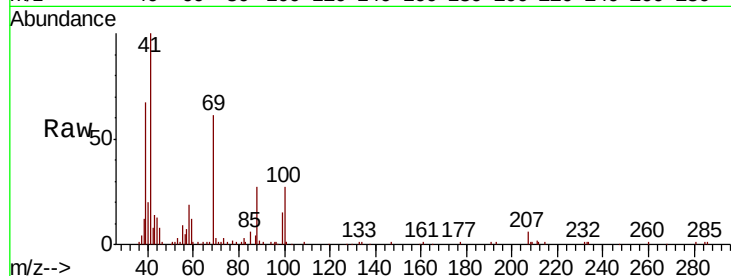
Tgt Ion: 88 Resp: 23223

Ion Ratio Lower Upper

88 100

43 48.0 36.9 55.3

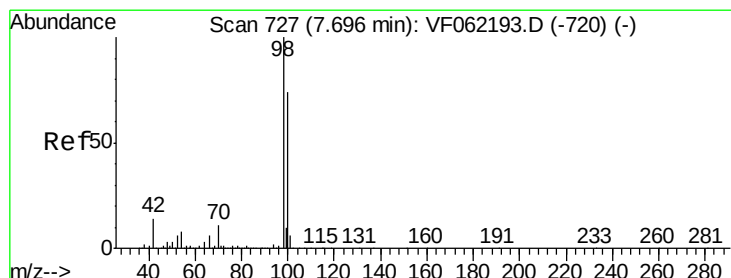
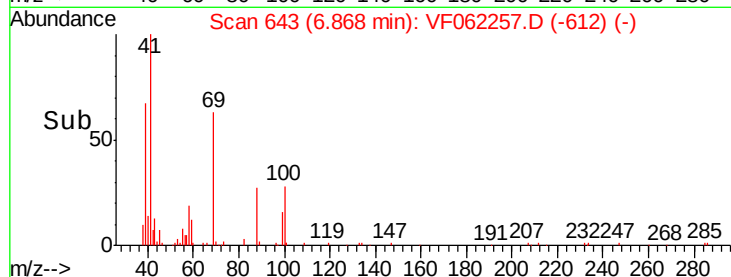
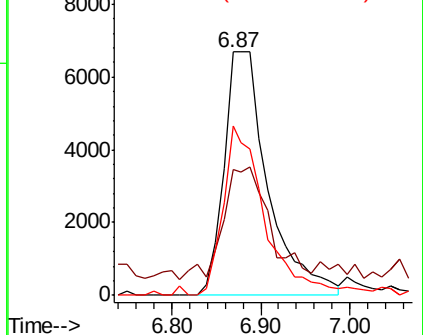
58 66.8 56.8 85.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 867.348 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062257.D

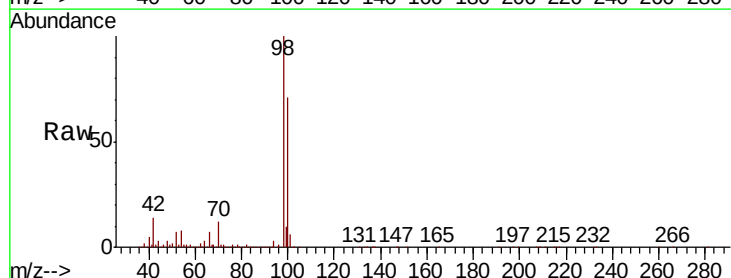
Acq: 23 Apr 2019 10:36

Tgt Ion: 98 Resp: 723002

Ion Ratio Lower Upper

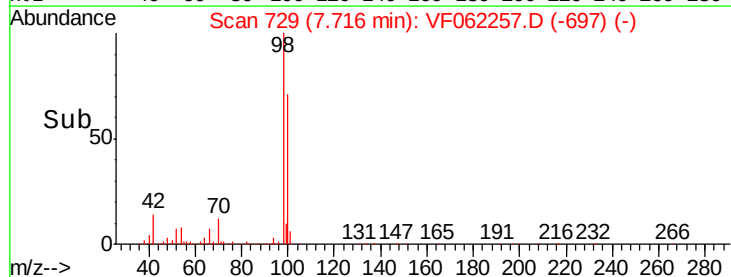
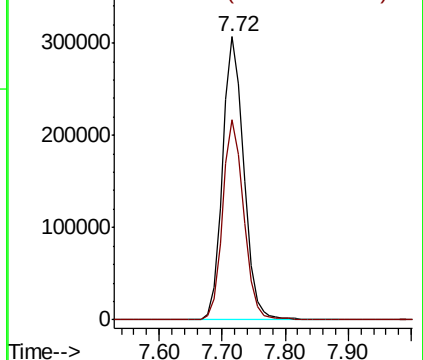
98 100

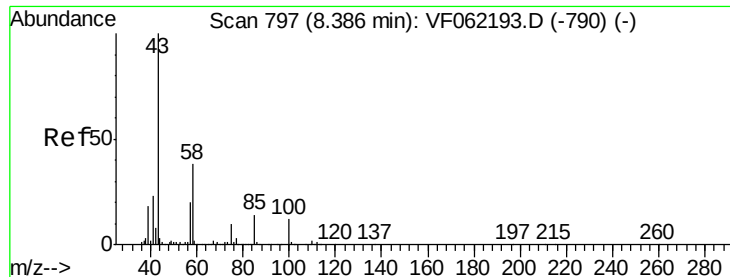
100 69.9 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#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 :

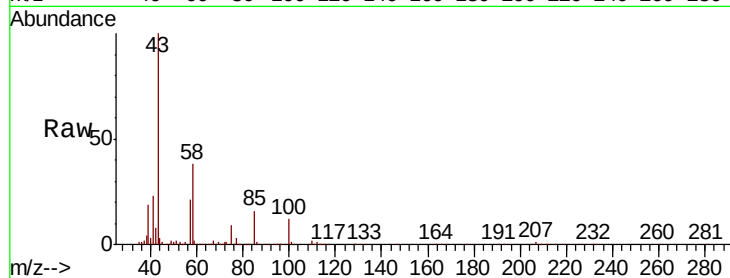
VSTDCCC050

Tgt Ion: 43 Resp: 554150

Ion Ratio Lower Upper

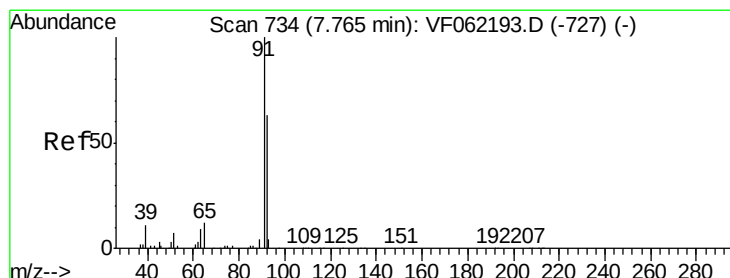
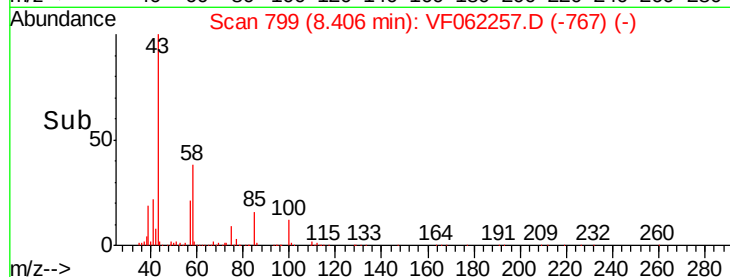
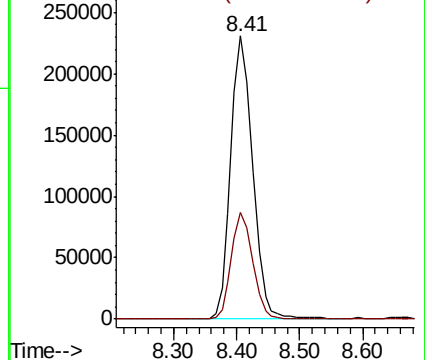
43 100

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



#52

Toluene

Concen: 48.748 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062257.D

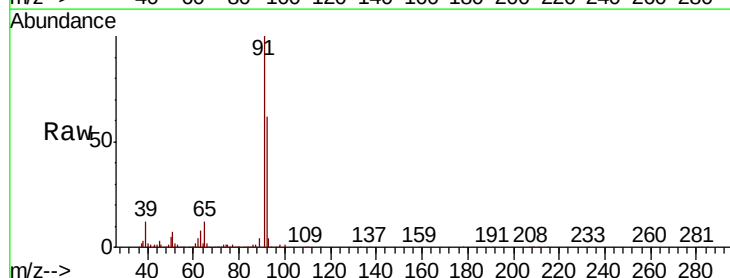
Acq: 23 Apr 2019 10:36

Tgt Ion: 92 Resp: 482445

Ion Ratio Lower Upper

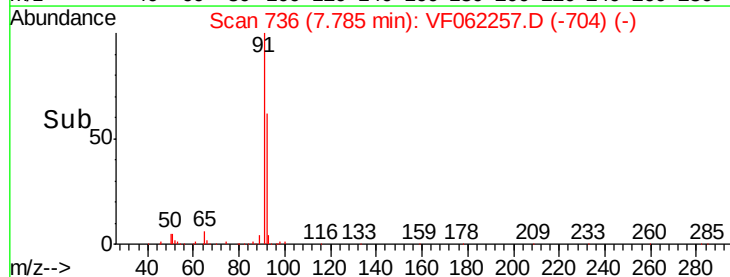
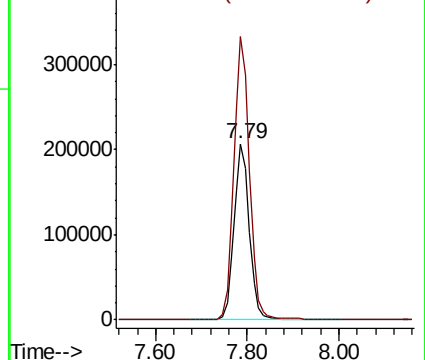
92 100

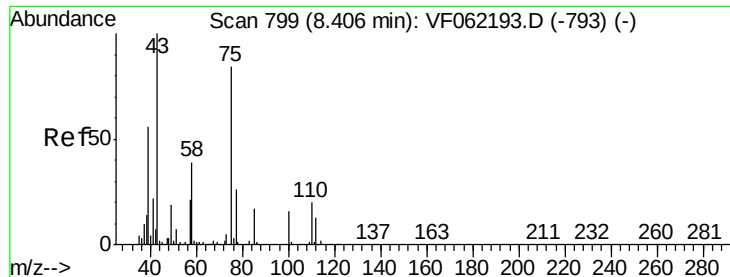
91 164.6 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#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 :

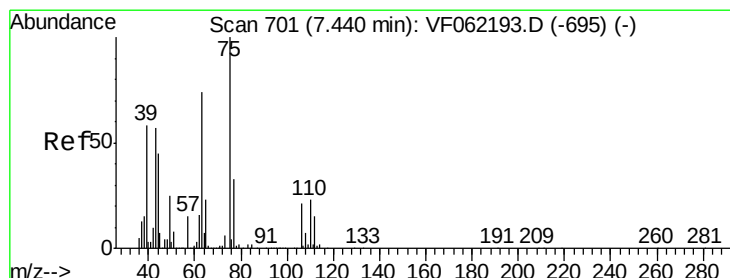
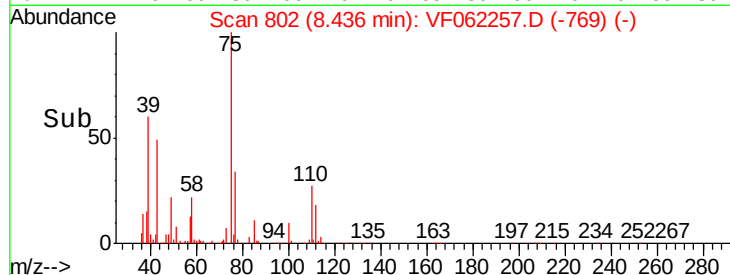
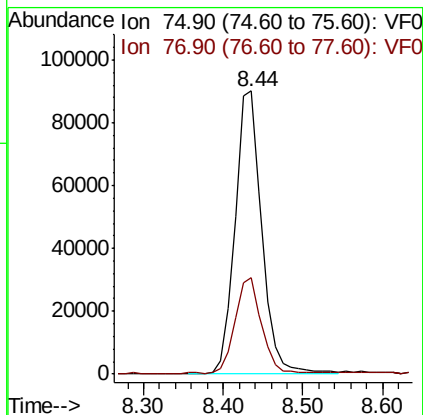
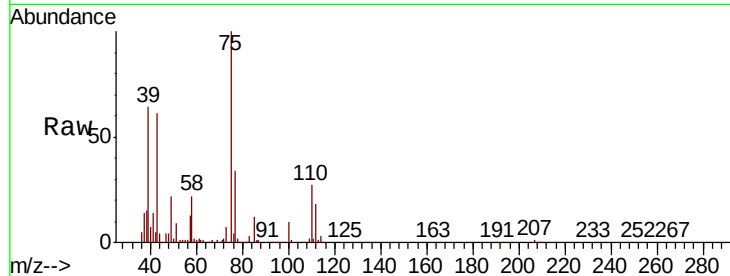
VSTDCCC050

Tgt 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

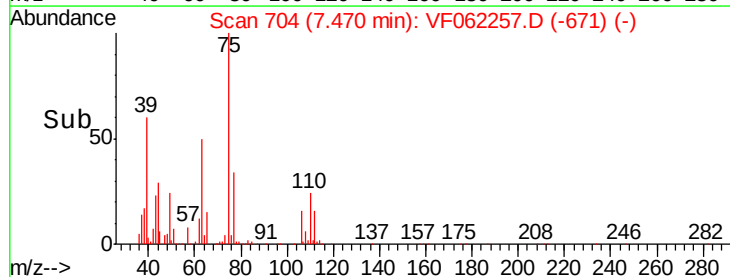
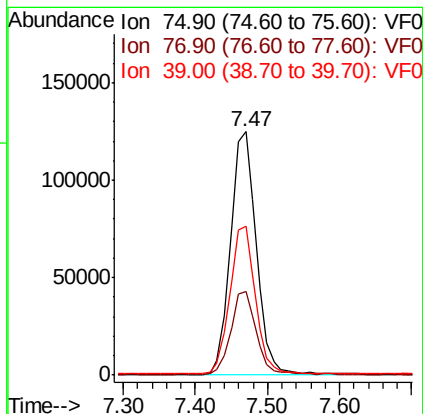
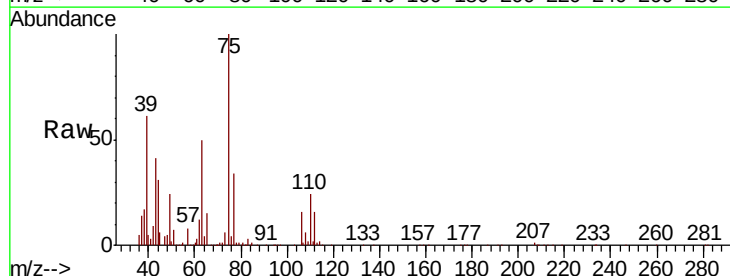
Tgt Ion: 75 Resp: 313988

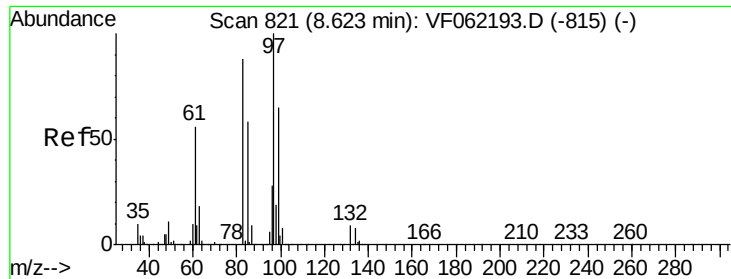
Ion Ratio Lower Upper

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

Tgt Ion: 97 Resp: 132723

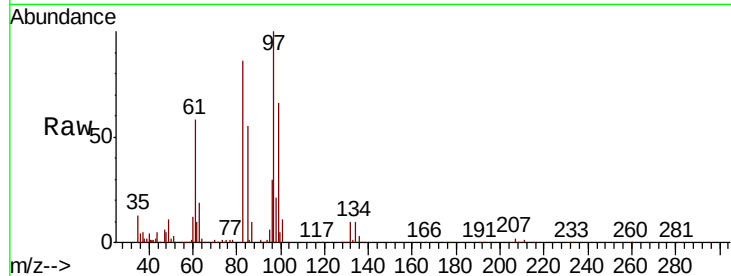
Ion Ratio Lower Upper

97 100

83 85.8 70.2 105.2

85 54.8 46.2 69.4

99 66.2 52.2 78.4

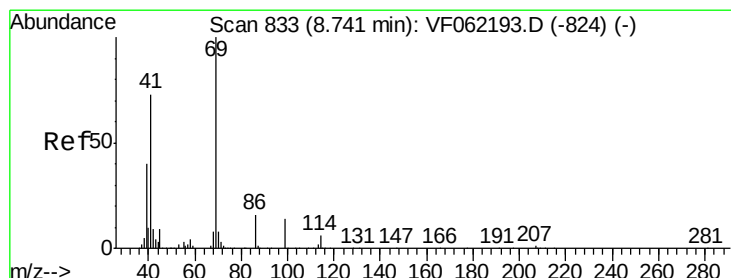
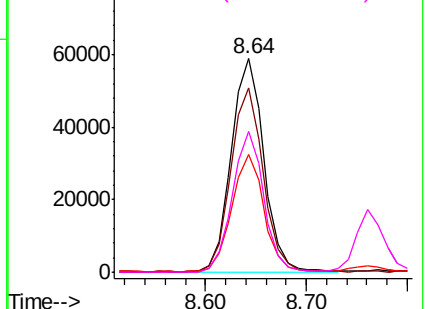
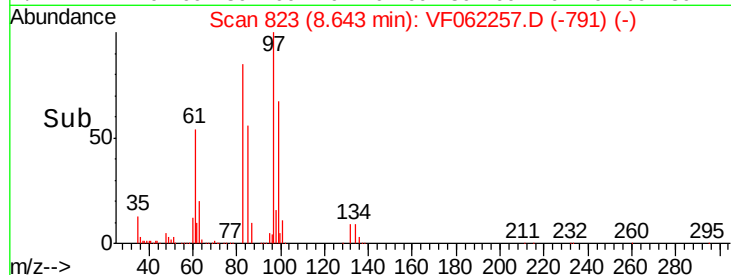


Abundance Ion 96.90 (96.60 to 97.60): VF0

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

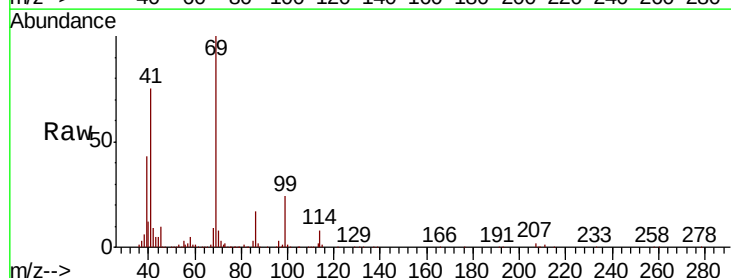
Tgt Ion: 69 Resp: 145564

Ion Ratio Lower Upper

69 100

41 76.1 61.5 92.3

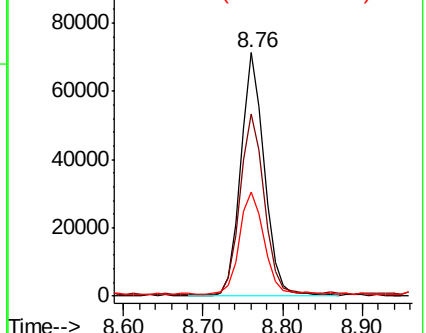
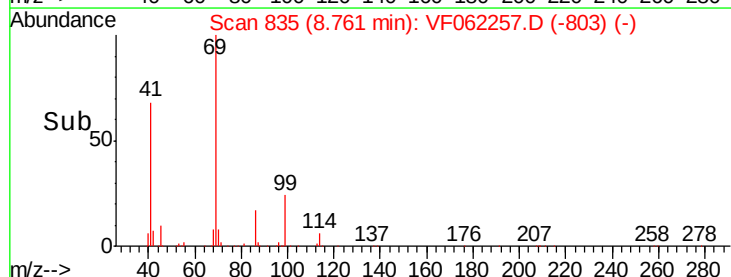
39 43.7 33.3 49.9

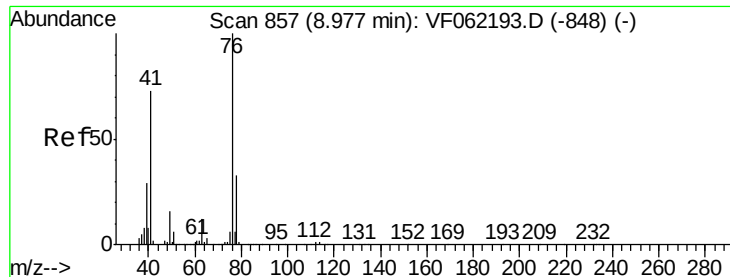


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

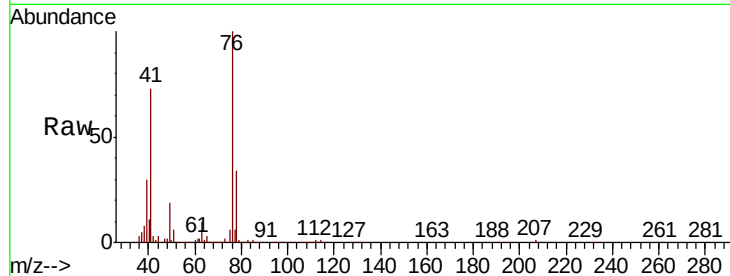
VSTDCCC050

Tgt 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

9.00

100000

80000

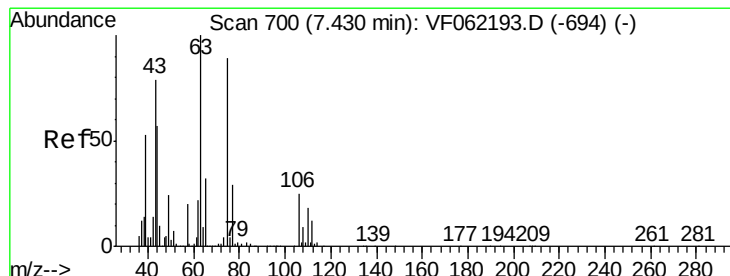
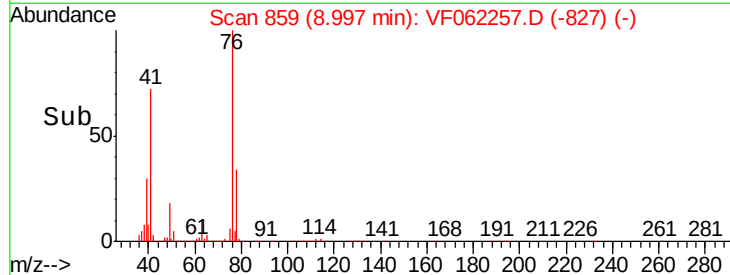
60000

40000

20000

0

Time-->



#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

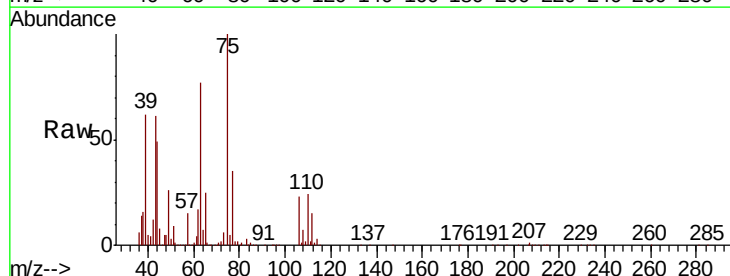
Acq: 23 Apr 2019 10:36

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

7.46

100000

80000

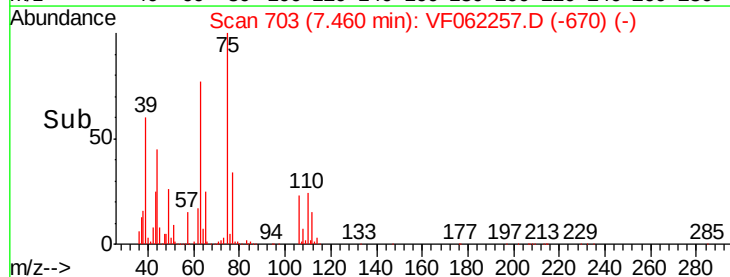
60000

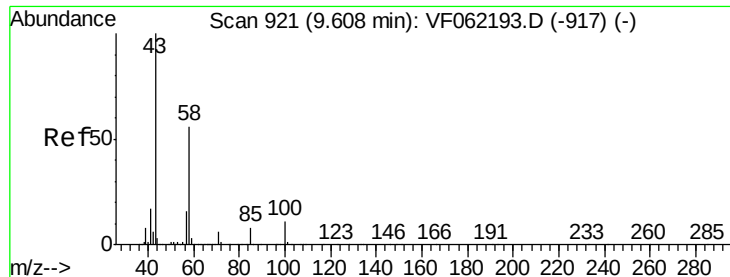
40000

20000

0

Time-->

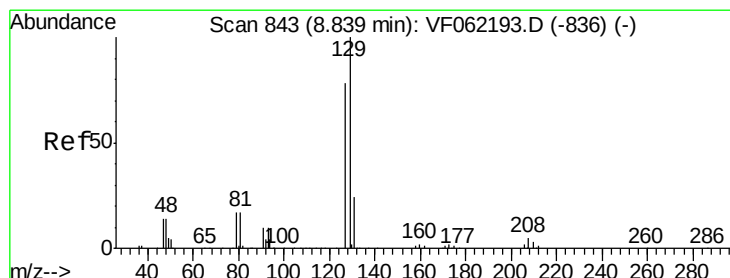
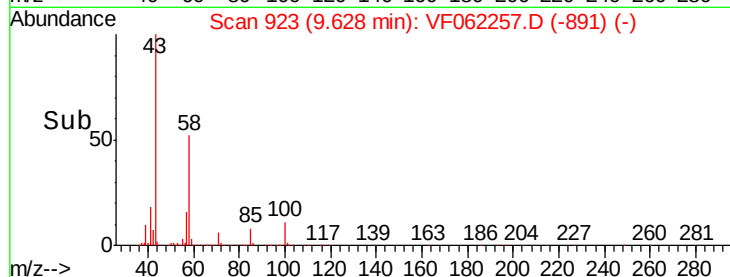
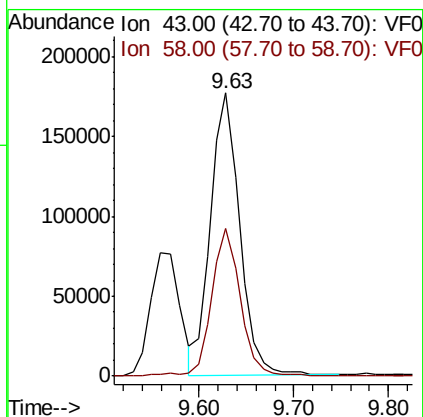
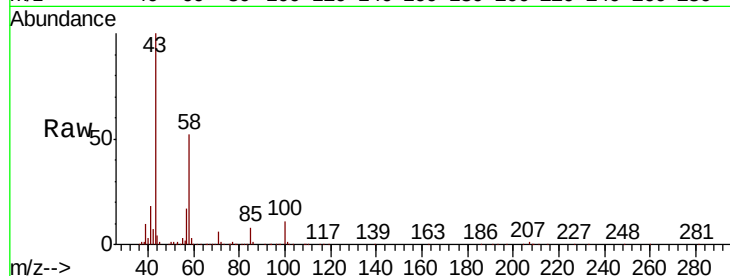




#59
2-Hexanone
Concen: 228.329 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

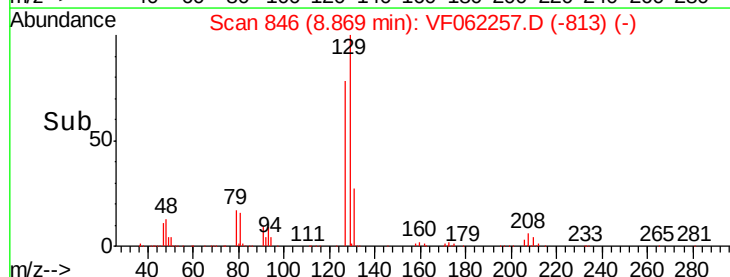
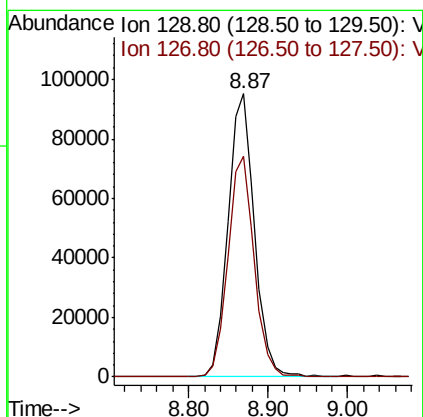
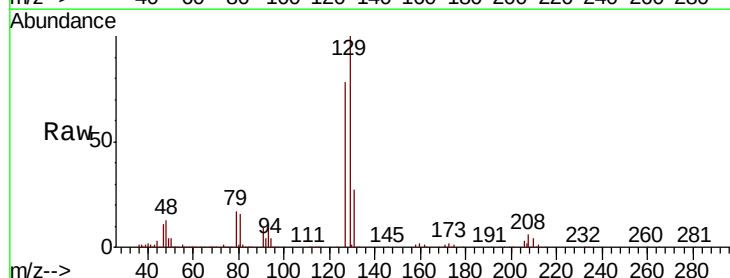
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

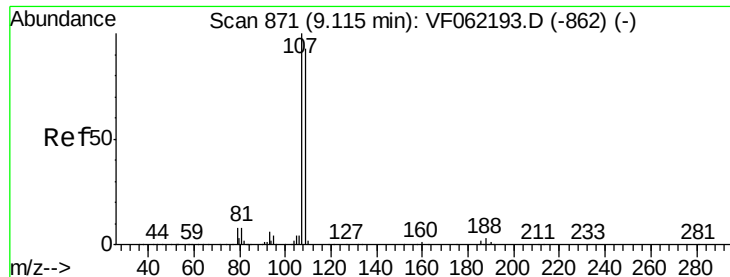
Tgt Ion: 43 Resp: 376205
Ion Ratio Lower Upper
43 100
58 52.4 24.6 74.0



#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 :

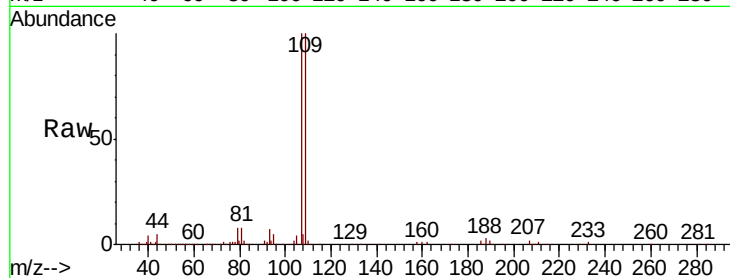
VSTDCCC050

Tgt Ion: 107 Resp: 156077

Ion Ratio Lower Upper

107 100

109 97.4 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.14

80000

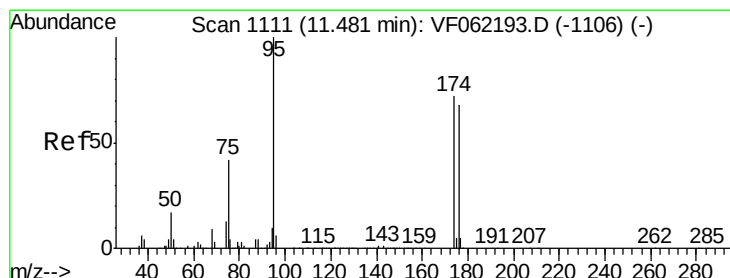
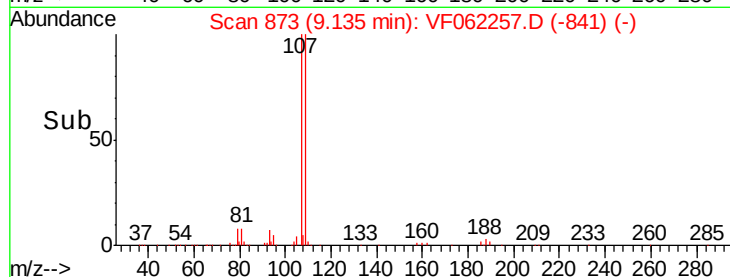
60000

40000

20000

0

Time--> 9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 49.968 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062257.D

Acq: 23 Apr 2019 10:36

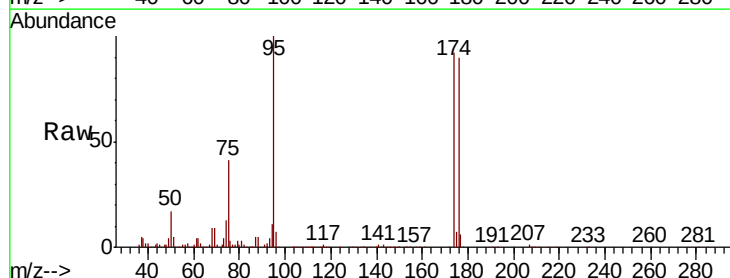
Tgt Ion: 95 Resp: 254580

Ion Ratio Lower Upper

95 100

174 91.3 0.0 159.4

176 89.7 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

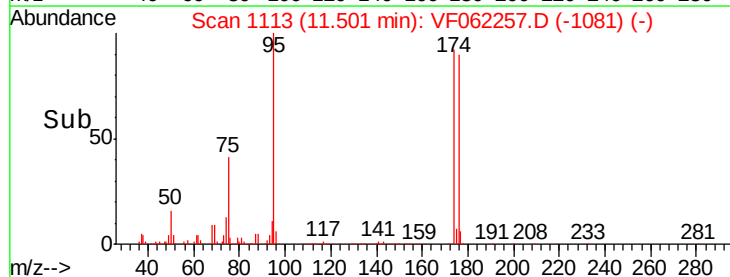
150000

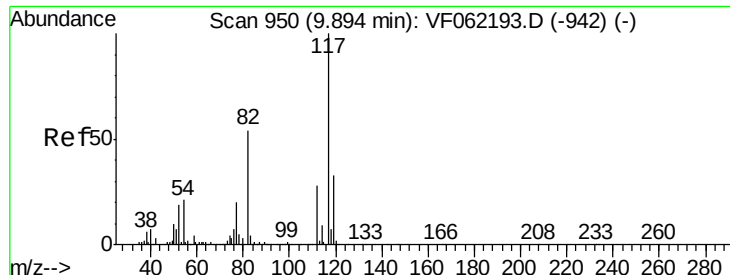
100000

50000

0

Time--> 11.40 11.50 11.60 11.70





#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

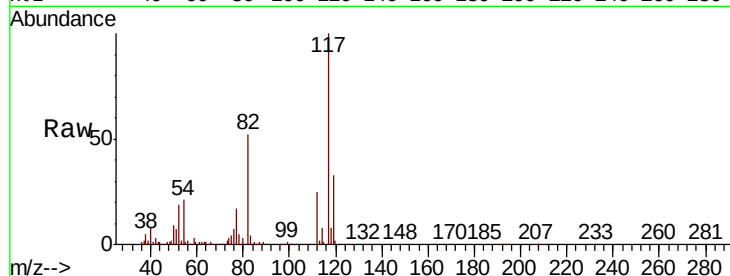
Tgt Ion:117 Resp: 441695

Ion Ratio Lower Upper

117 100

82 52.2 43.2 64.8

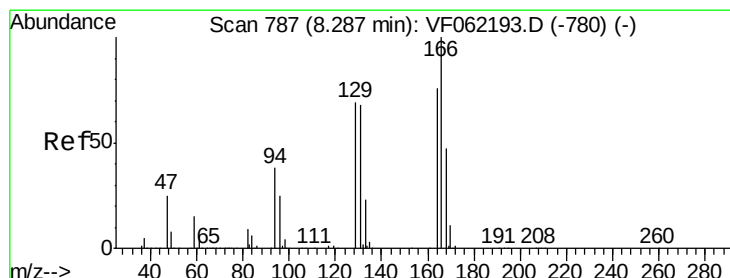
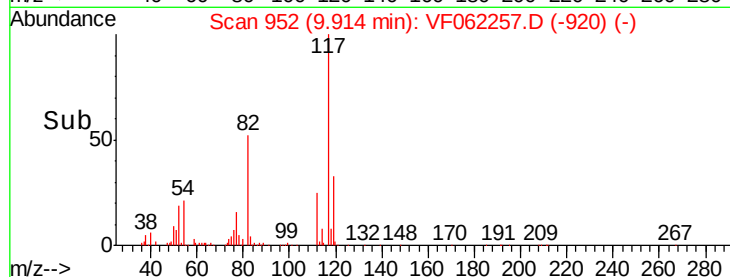
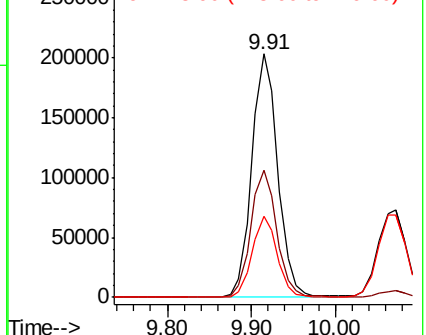
119 33.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#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

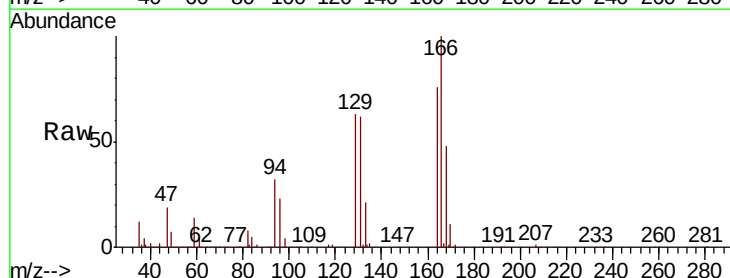
Ion Ratio Lower Upper

164 100

166 131.0 104.7 157.1

129 82.4 72.6 109.0

131 81.5 71.6 107.4

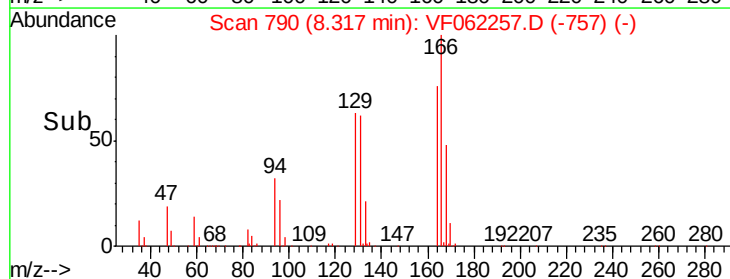
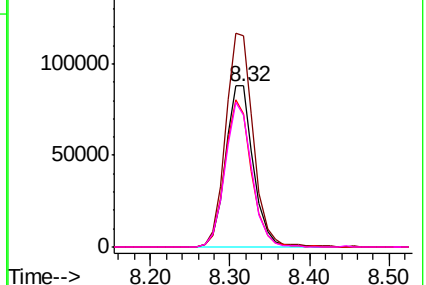


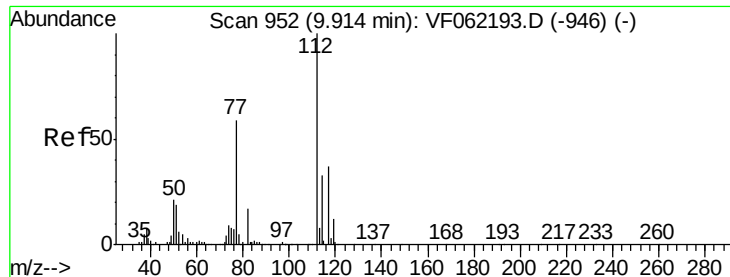
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

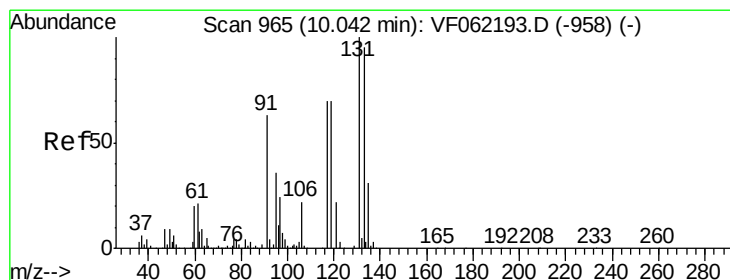
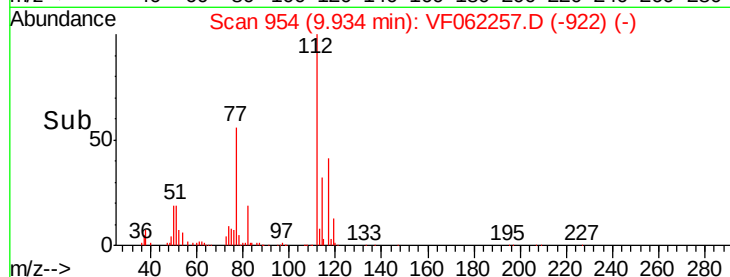
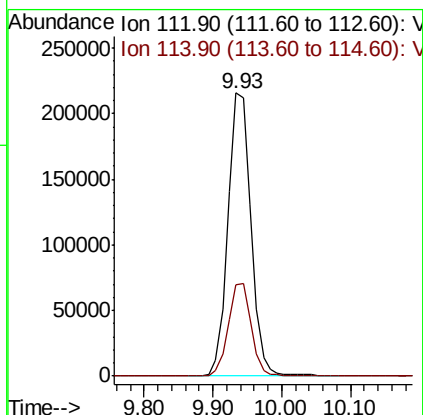
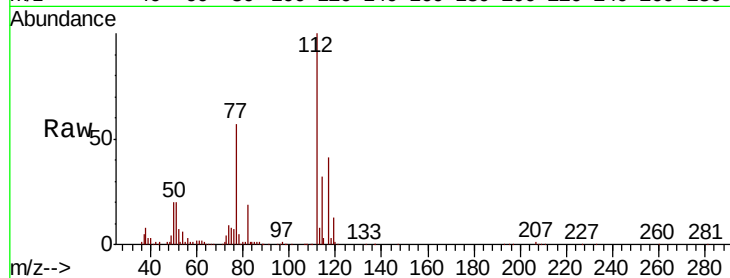




#65
Chlorobenzene
Concen: 53.222 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

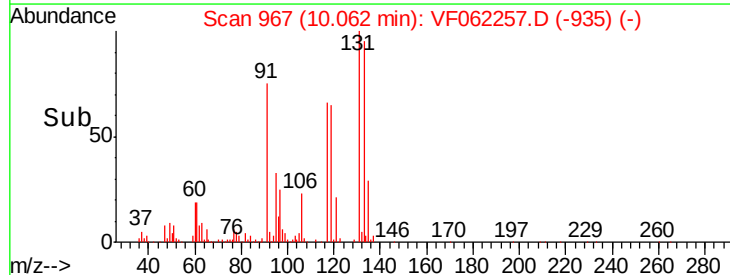
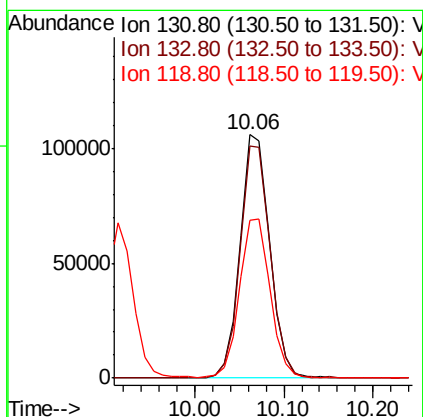
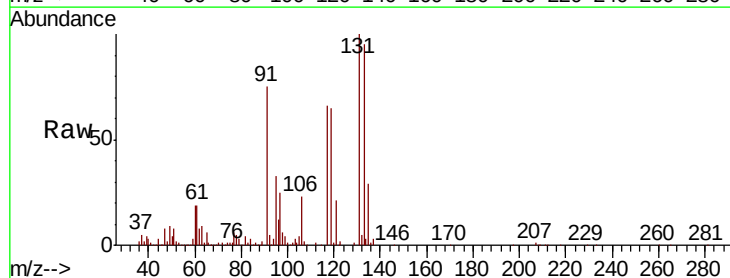
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

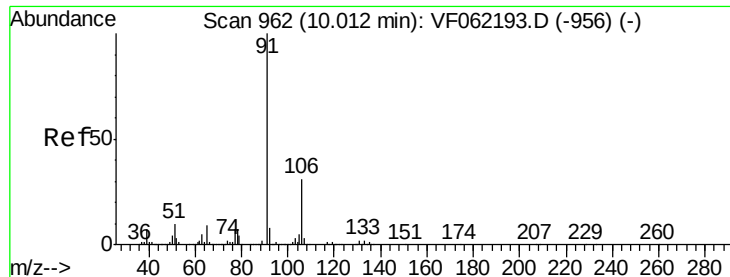
Tgt Ion:112 Resp: 501258
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#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 :

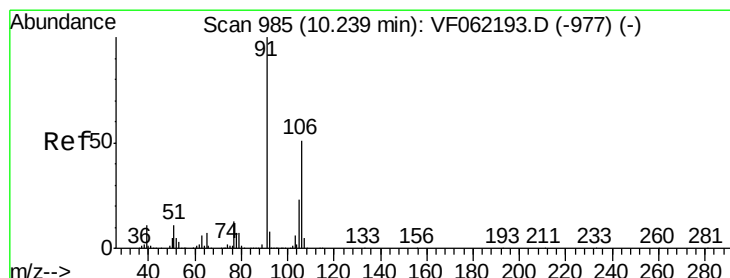
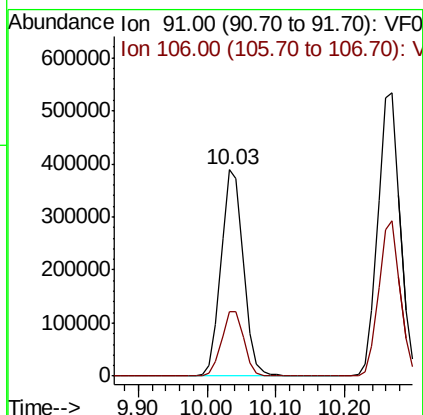
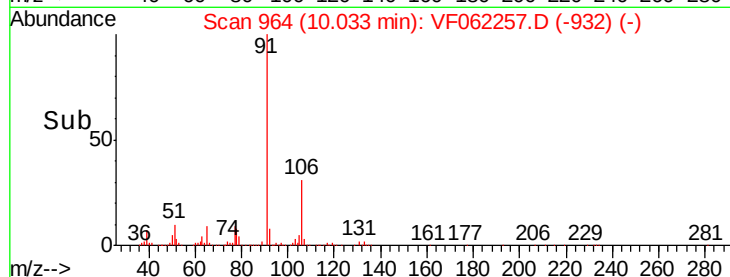
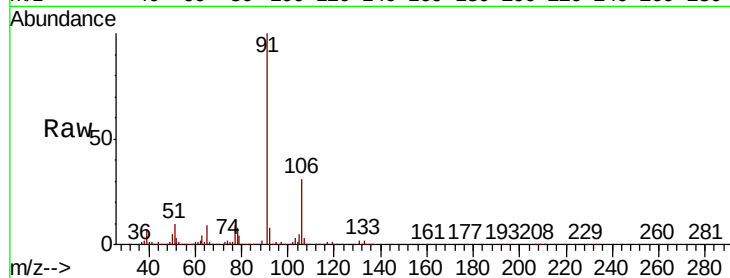
VSTDCCC050

Tgt 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

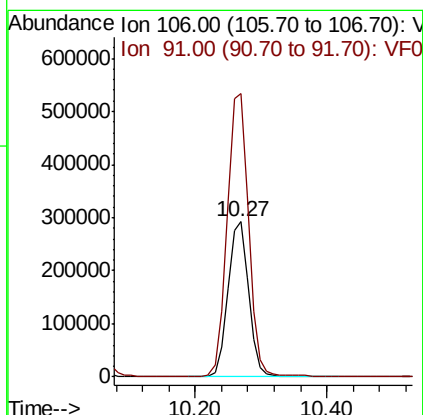
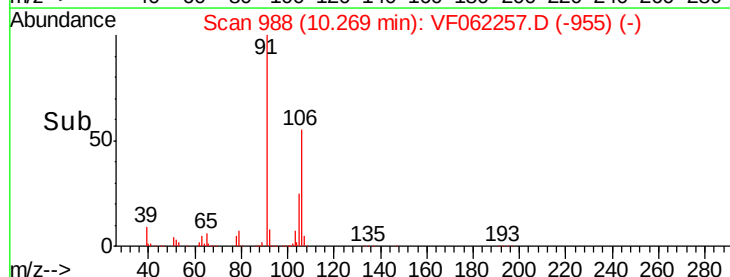
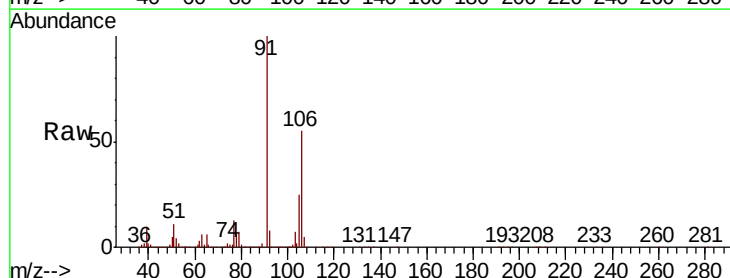
Acq: 23 Apr 2019 10:36

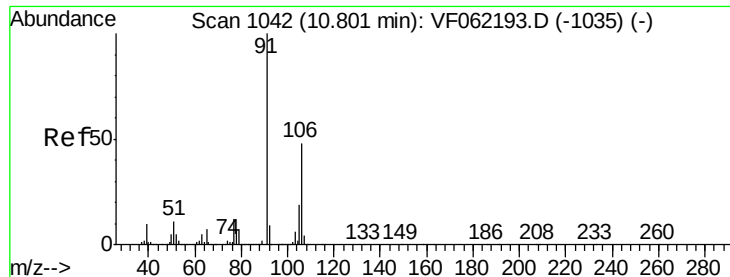
Tgt Ion: 106 Resp: 645878

Ion Ratio Lower Upper

106 100

91 188.1 159.1 238.7

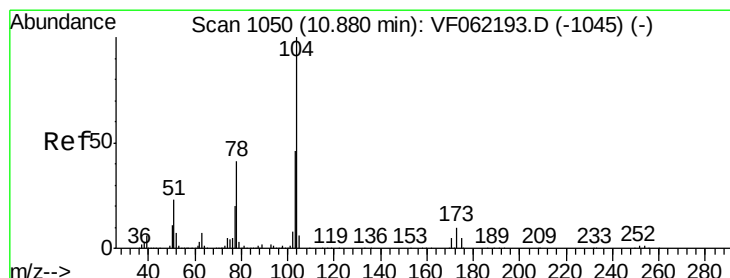
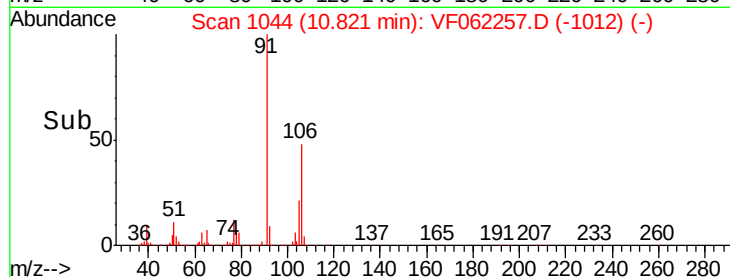
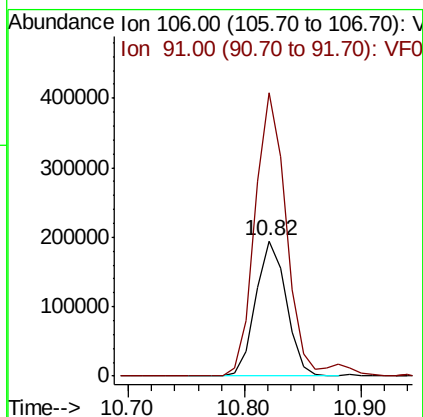
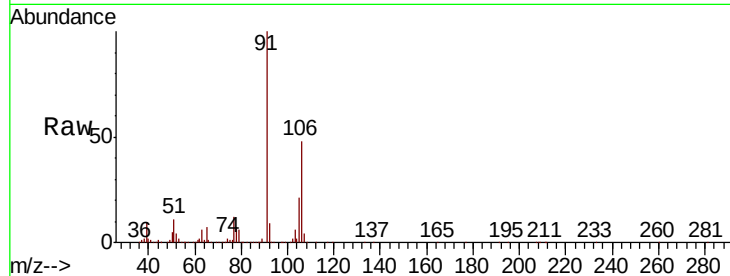




#69
o-Xylene
Concen: 50.611 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

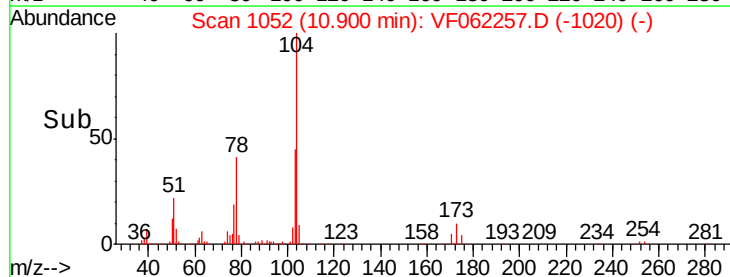
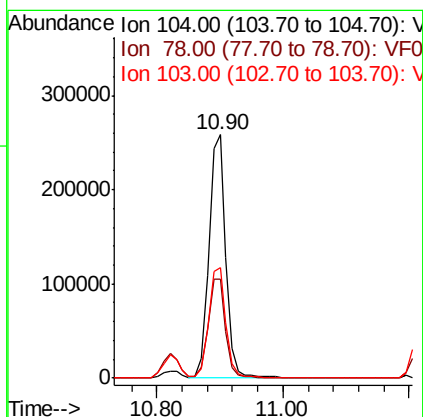
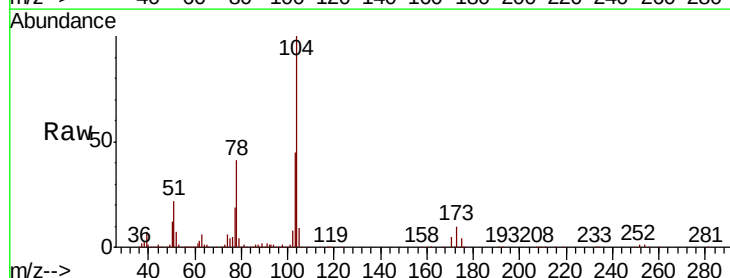
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

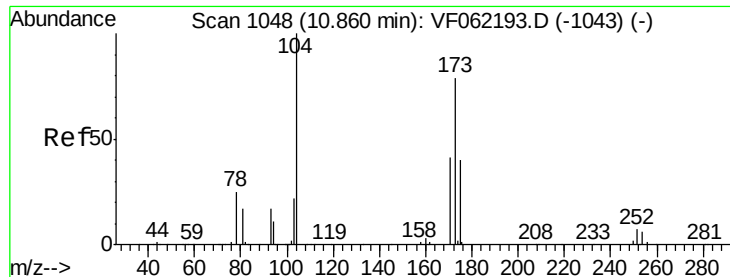
Tgt Ion:106 Resp: 354261
Ion Ratio Lower Upper
106 100
91 212.9 107.5 322.4



#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

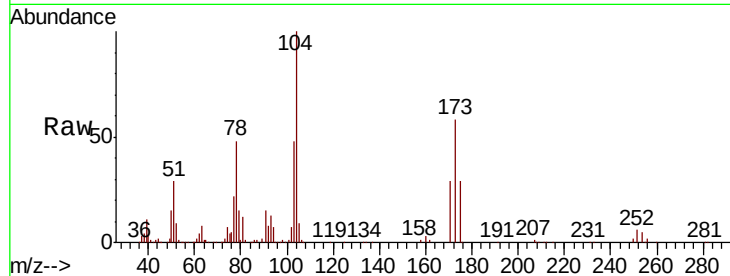
Tgt Ion:173 Resp: 123809

Ion Ratio Lower Upper

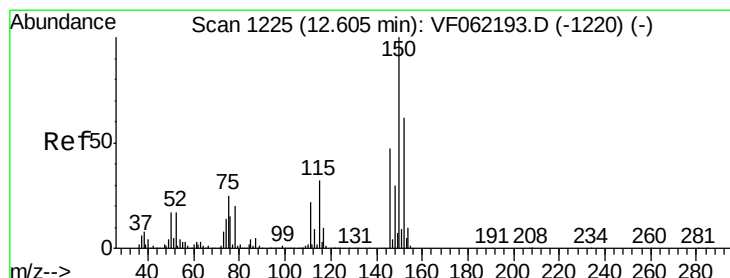
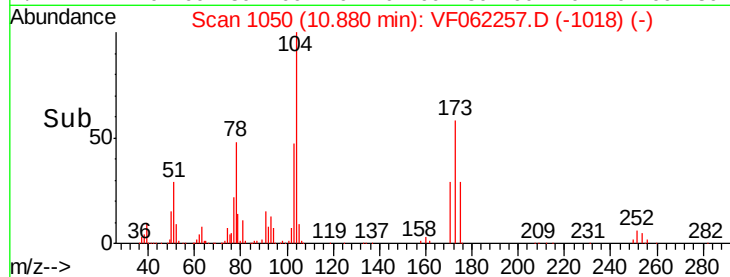
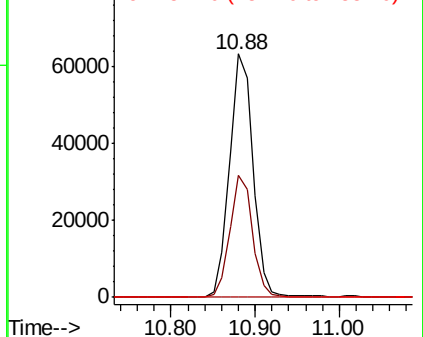
173 100

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

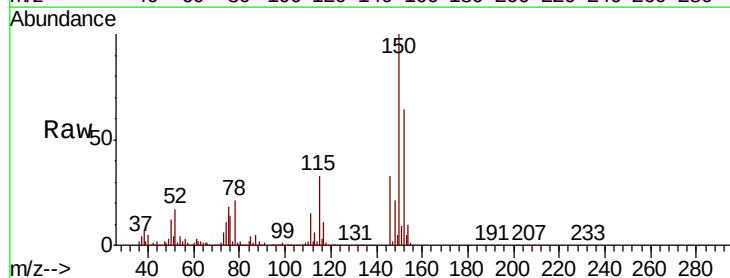
Tgt Ion:152 Resp: 229439

Ion Ratio Lower Upper

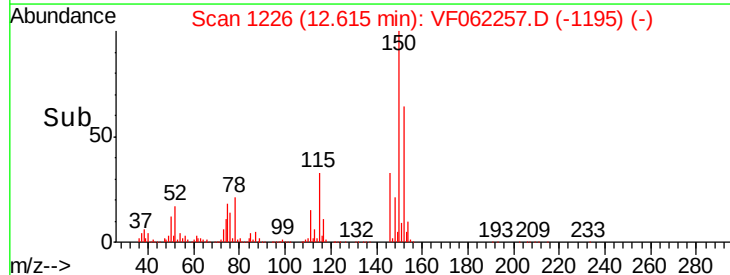
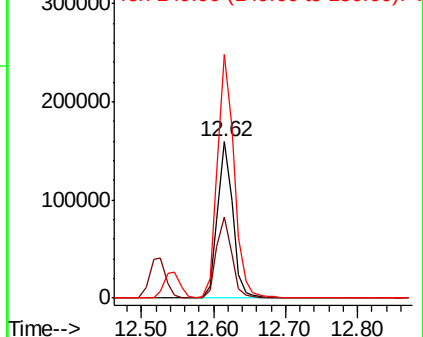
152 100

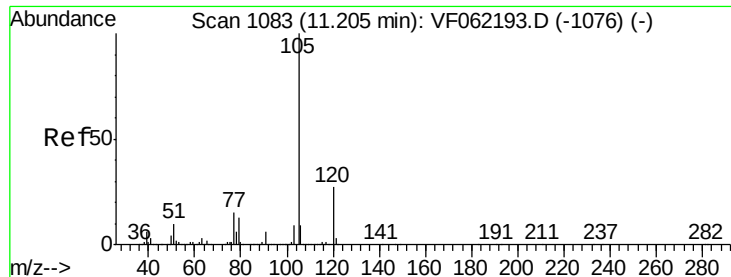
115 52.5 27.8 83.3

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 :

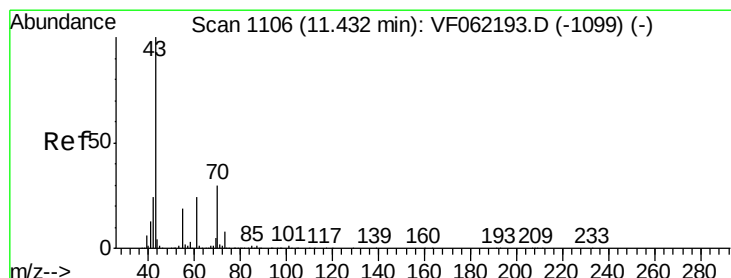
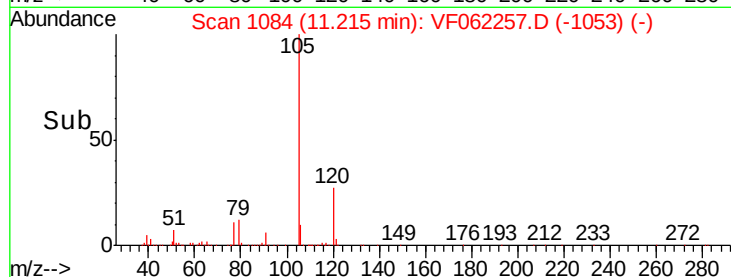
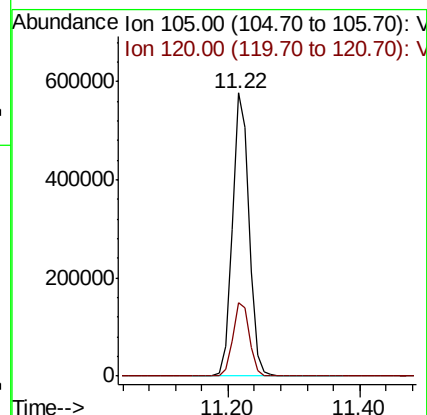
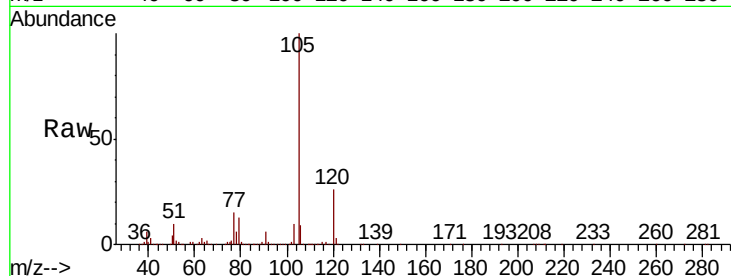
VSTDCCC050

Tgt 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

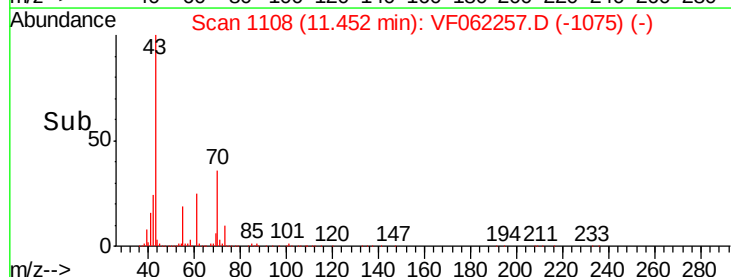
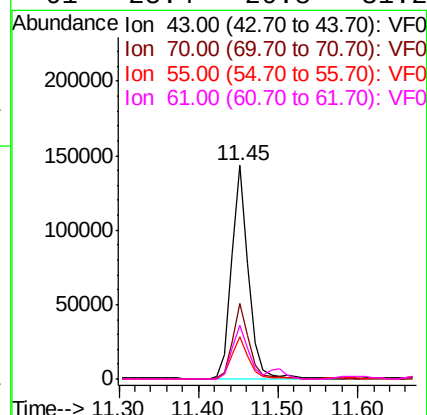
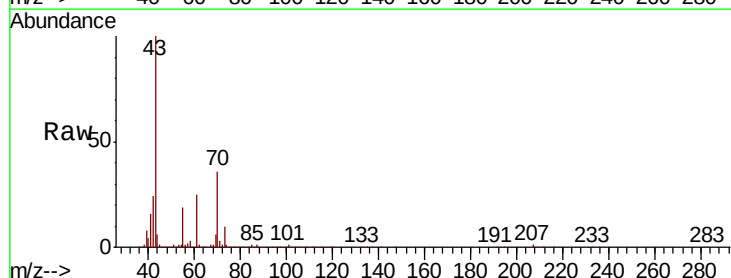
Ion Ratio Lower Upper

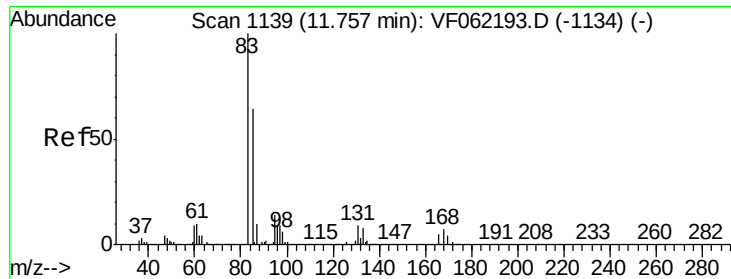
43 100

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

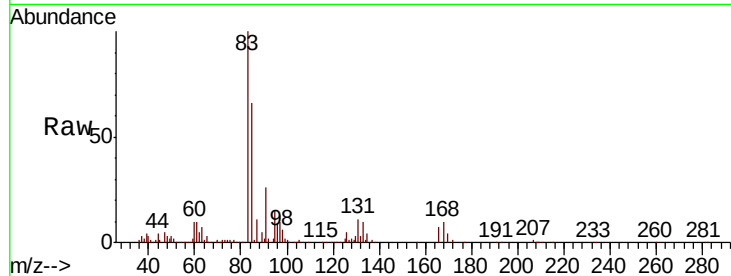
Tgt Ion: 83 Resp: 165838

Ion Ratio Lower Upper

83 100

131 10.3 4.5 13.5

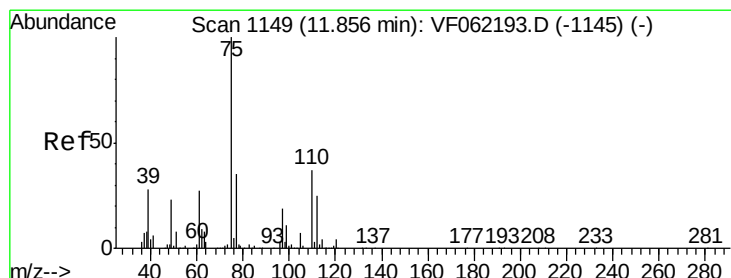
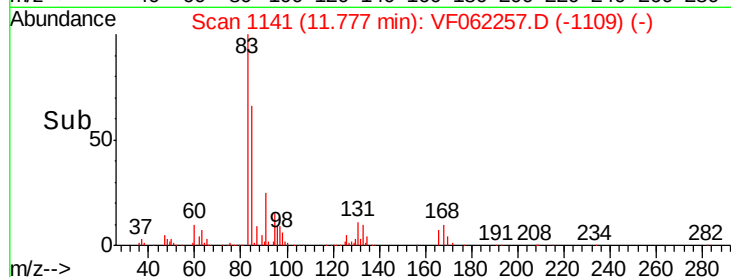
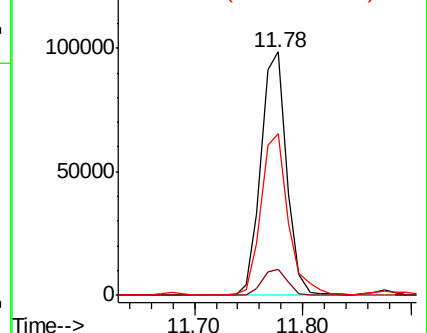
85 70.1 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

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

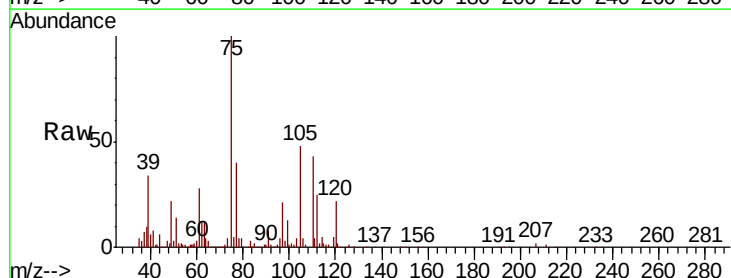
Acq: 23 Apr 2019 10:36

Tgt Ion: 75 Resp: 110716

Ion Ratio Lower Upper

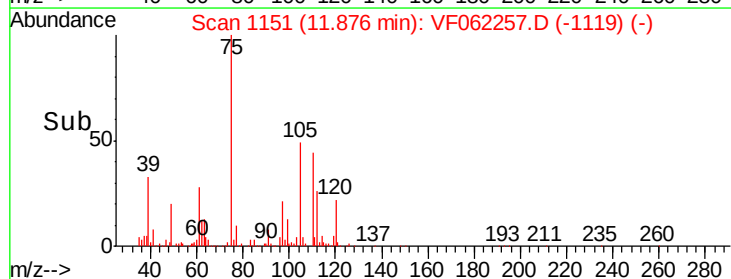
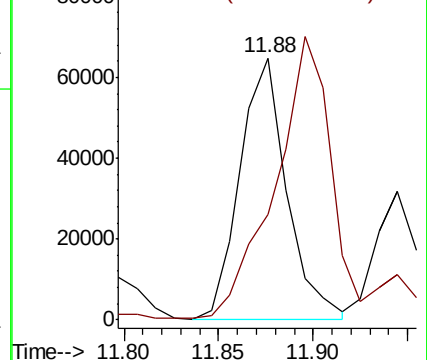
75 100

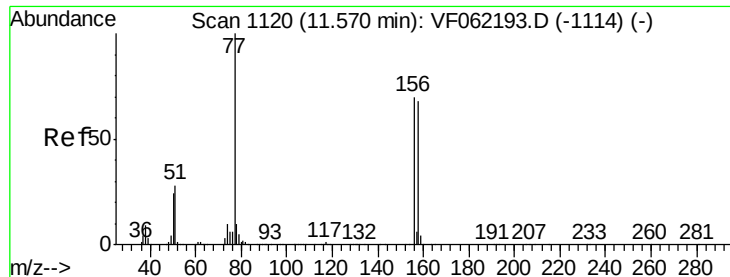
77 131.8 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

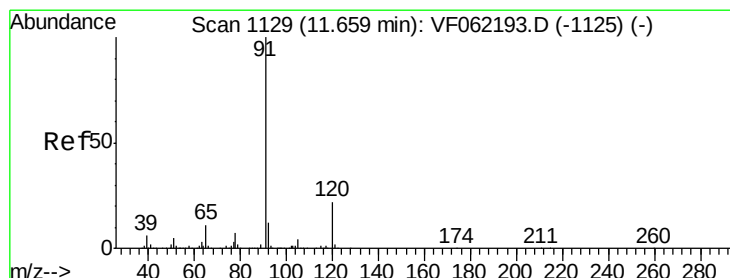
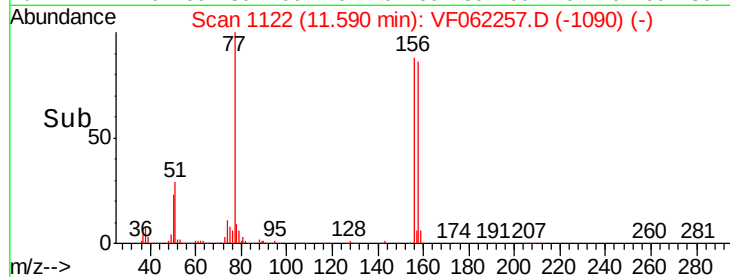
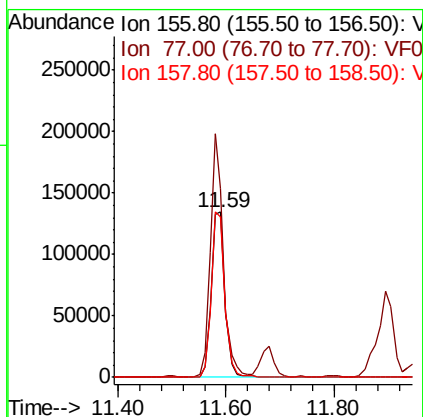
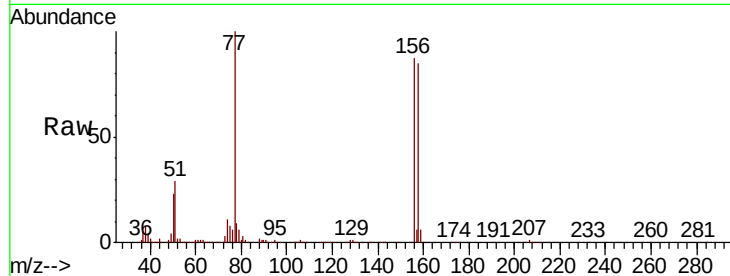




#77
Bromobenzene
Concen: 56.595 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.02 min
Lab File: VF062257.D
Acq: 23 Apr 2019 10:36

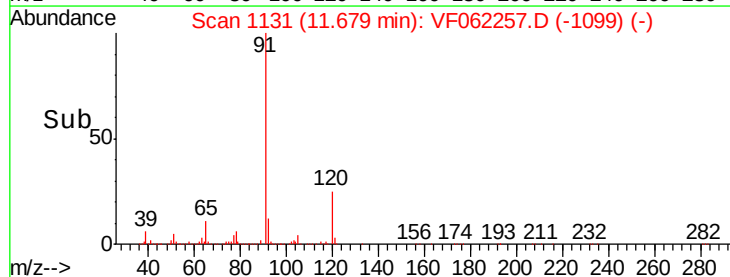
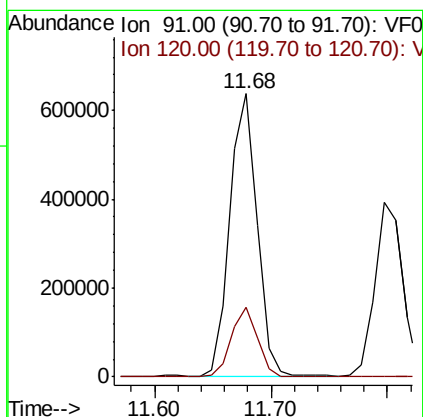
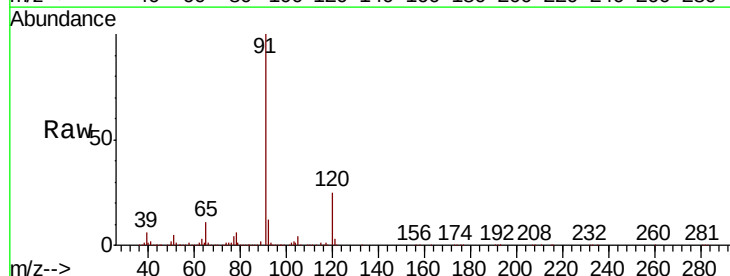
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

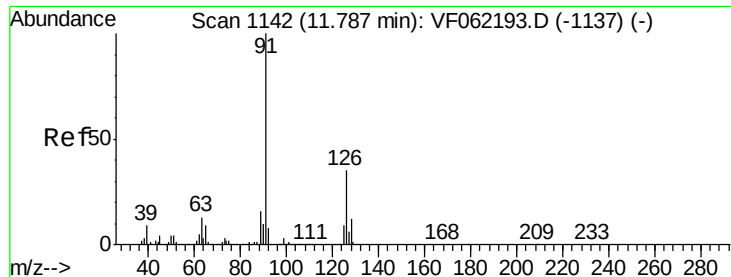
Tgt Ion: 156 Resp: 238945
Ion Ratio Lower Upper
156 100
77 137.9 80.9 242.7
158 99.5 49.8 149.4



#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





#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 :

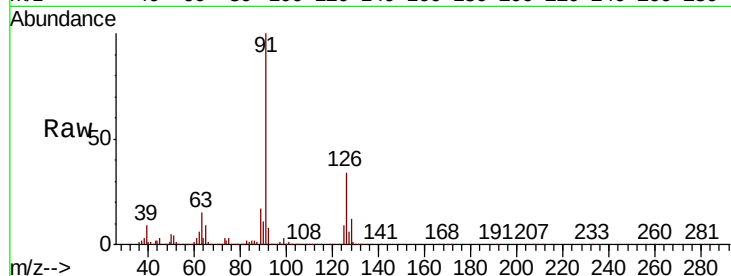
VSTDCCC050

Tgt Ion: 91 Resp: 645112

Ion Ratio Lower Upper

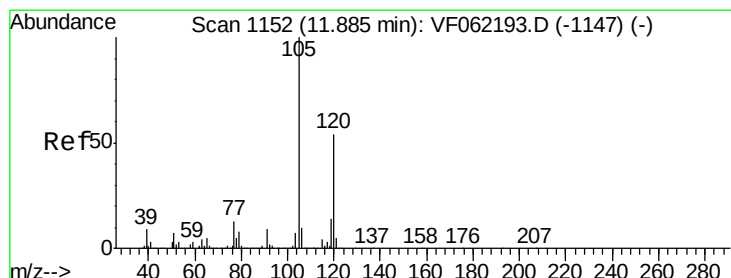
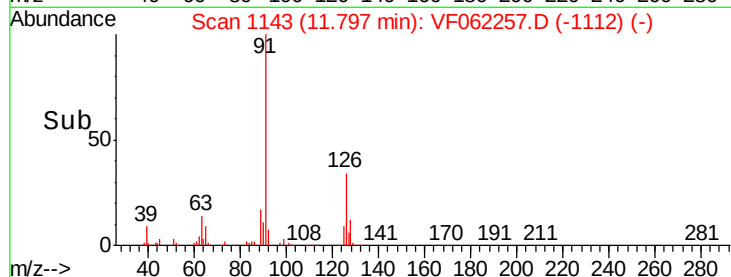
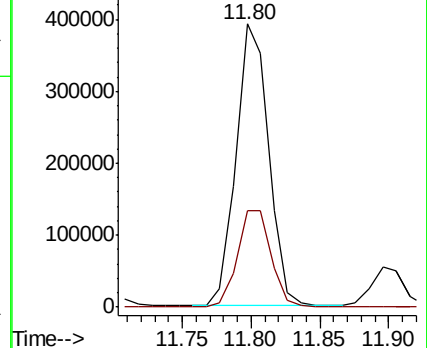
91 100

126 35.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#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

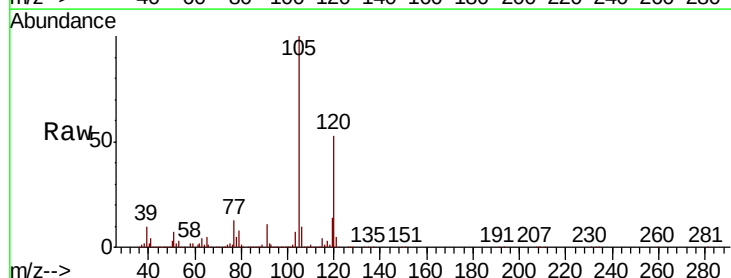
Acq: 23 Apr 2019 10:36

Tgt Ion: 105 Resp: 865389

Ion Ratio Lower Upper

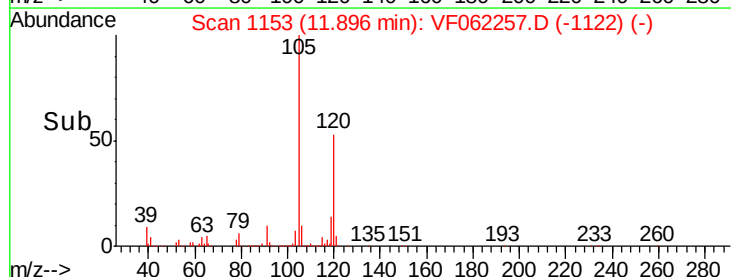
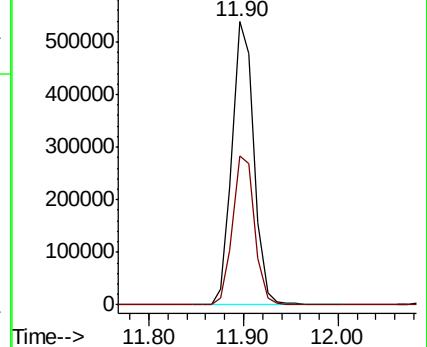
105 100

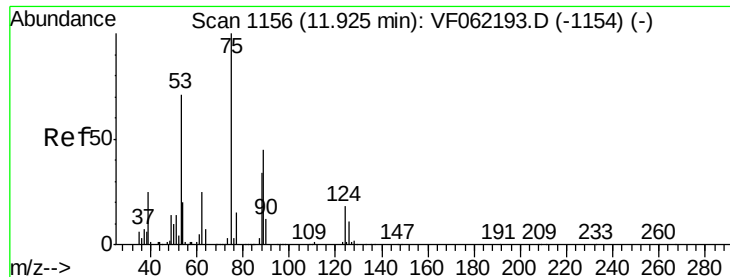
120 53.1 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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

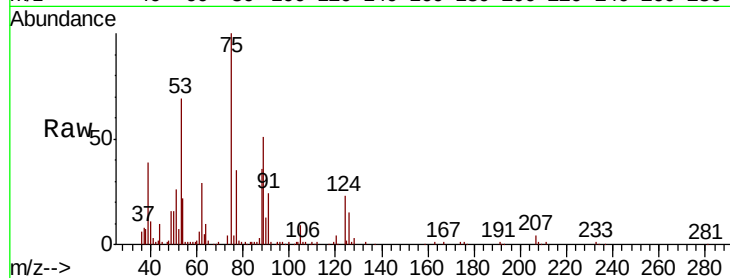
Tgt Ion: 75 Resp: 66263

Ion Ratio Lower Upper

75 100

53 52.1 50.2 75.4

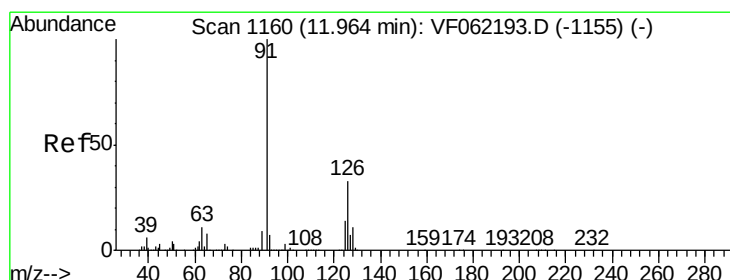
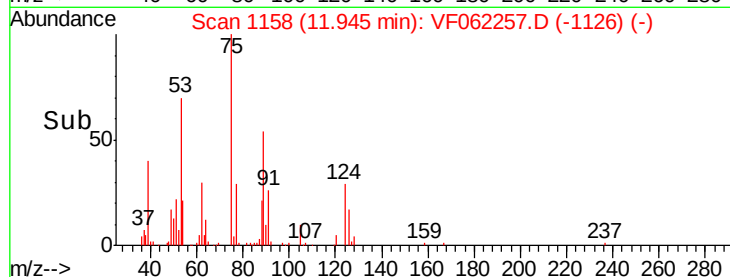
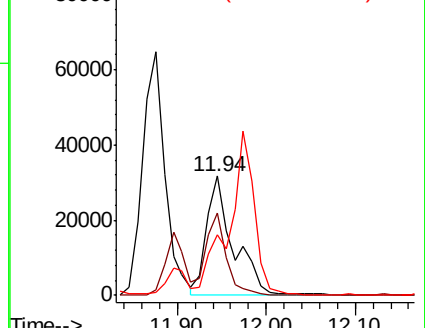
89 0.0 0.0 0.0



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

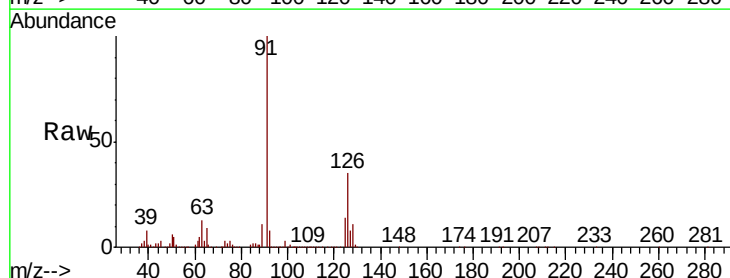
Acq: 23 Apr 2019 10:36

Tgt Ion: 91 Resp: 607416

Ion Ratio Lower Upper

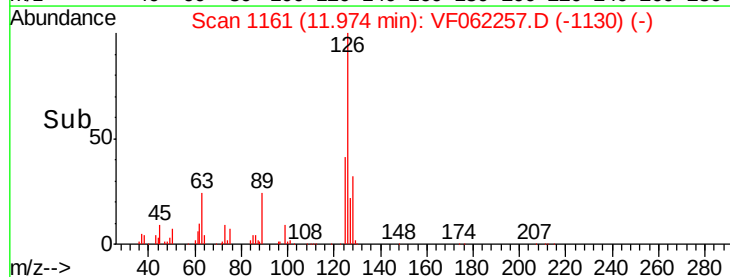
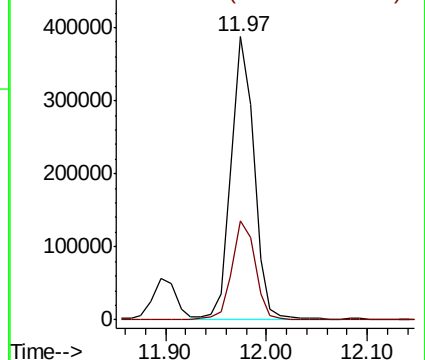
91 100

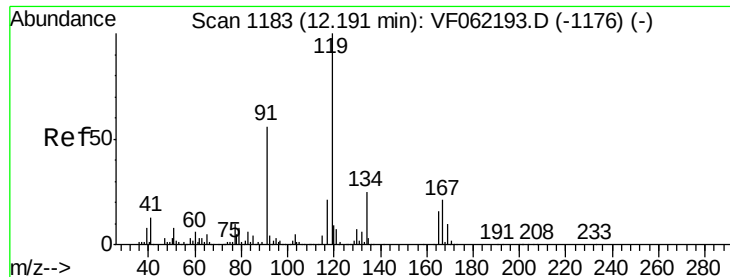
126 36.4 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

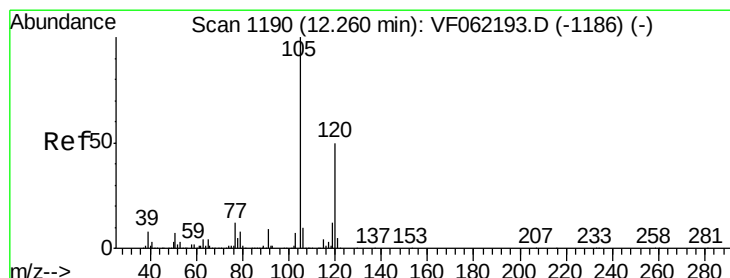
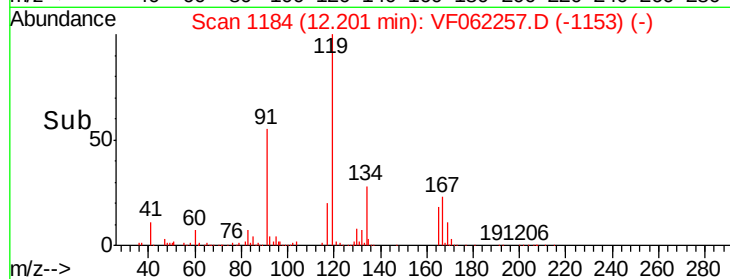
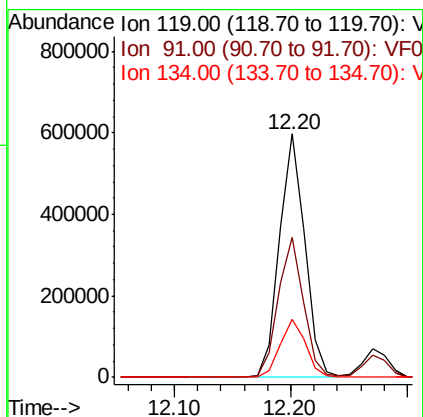
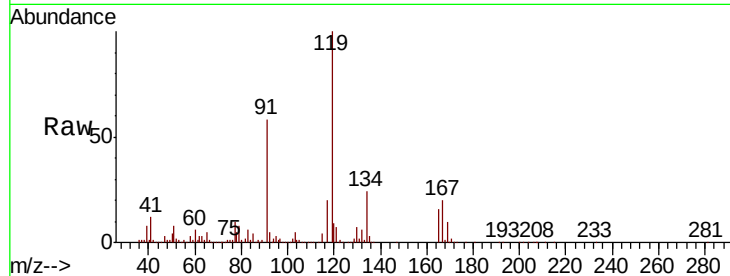




#83
 tert-Butylbenzene
 Concen: 53.213 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

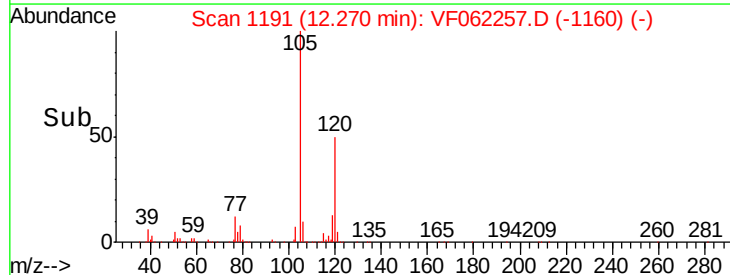
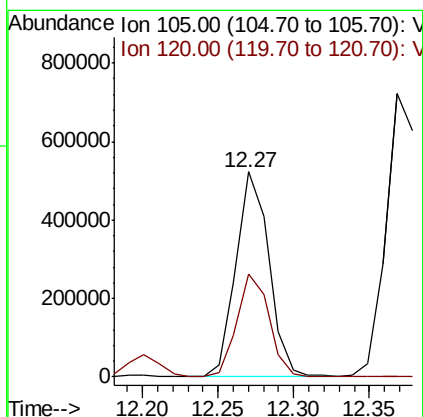
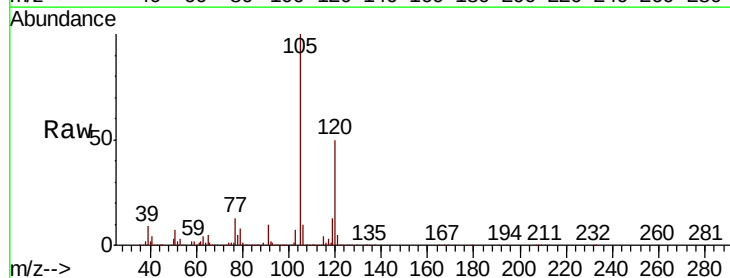
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

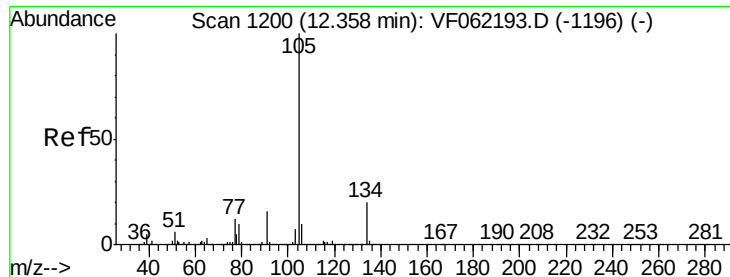
Tgt Ion:119 Resp: 903305
 Ion Ratio Lower Upper
 119 100
 91 56.9 29.4 88.2
 134 24.0 11.8 35.3



#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





#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 :

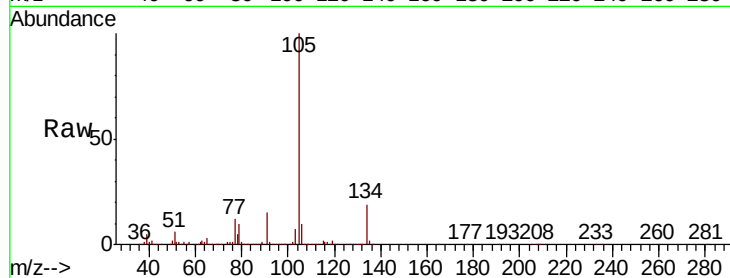
VSTDCCC050

Tgt Ion:105 Resp: 1136183

Ion Ratio Lower Upper

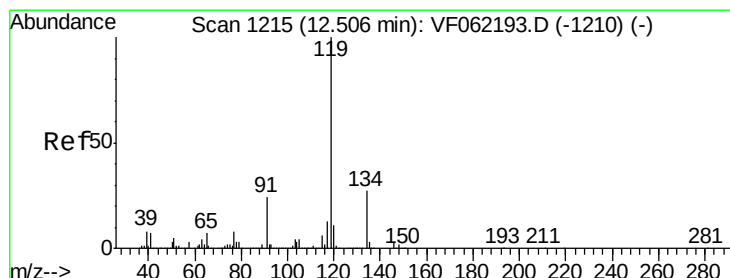
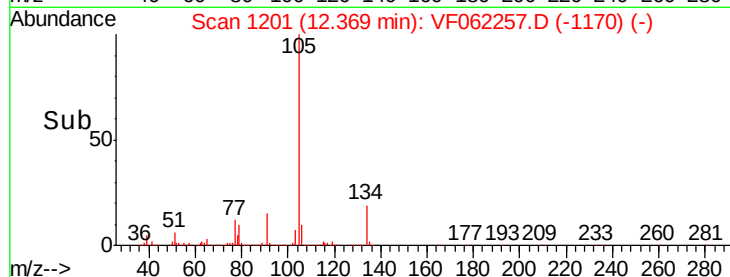
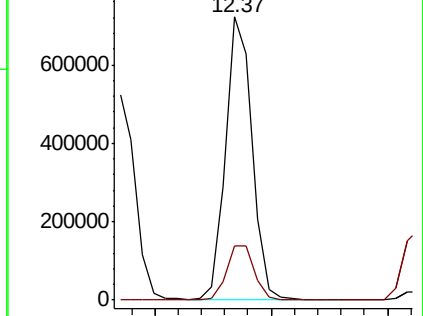
105 100

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

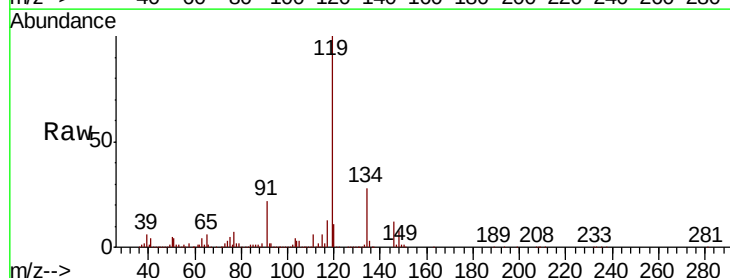
Tgt Ion:119 Resp: 969213

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

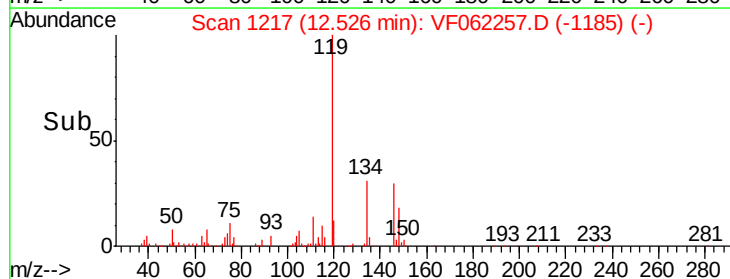
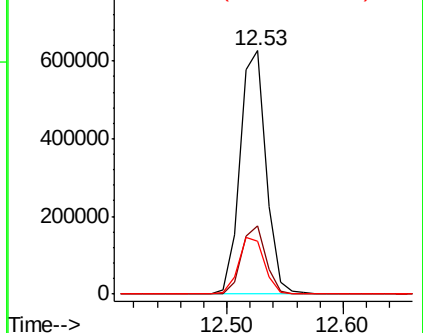
91 23.0 11.7 35.1

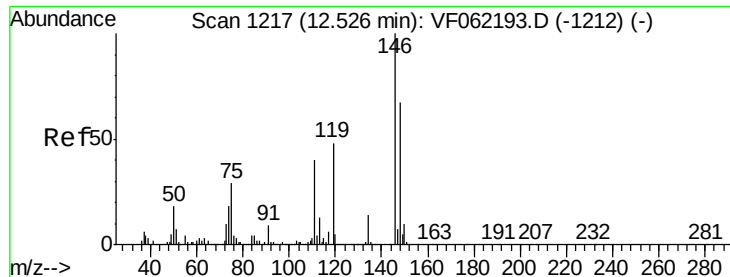


Abundance Ion 119.00 (118.70 to 119.70): V

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

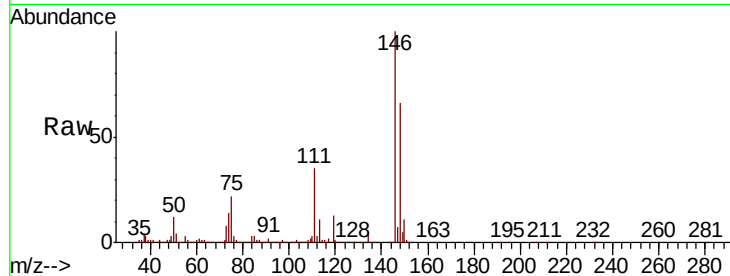
Tgt Ion:146 Resp: 413317

Ion Ratio Lower Upper

146 100

111 37.2 19.7 59.0

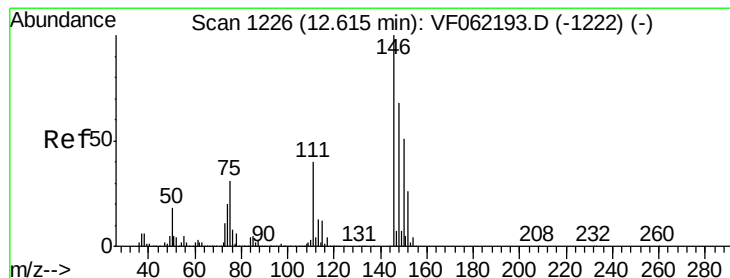
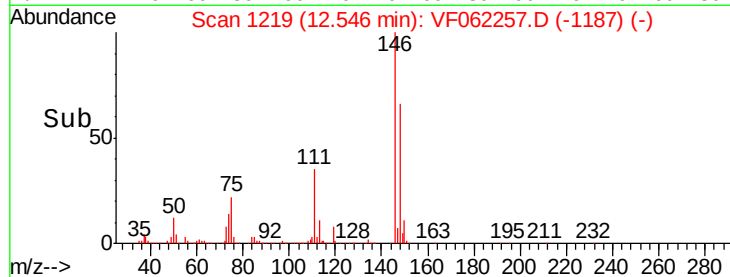
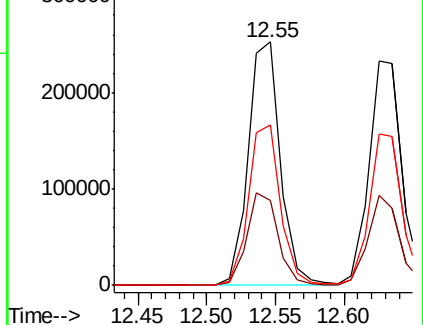
148 65.5 32.9 98.6



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



#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

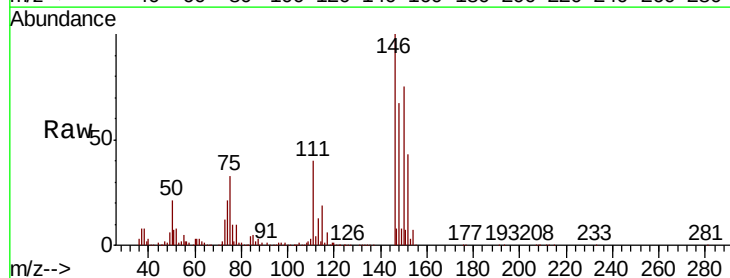
Tgt Ion:146 Resp: 387360

Ion Ratio Lower Upper

146 100

111 38.4 20.0 60.0

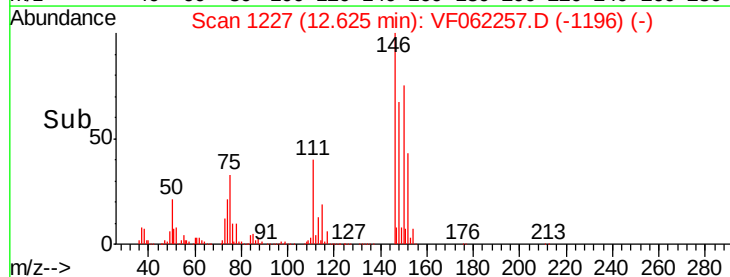
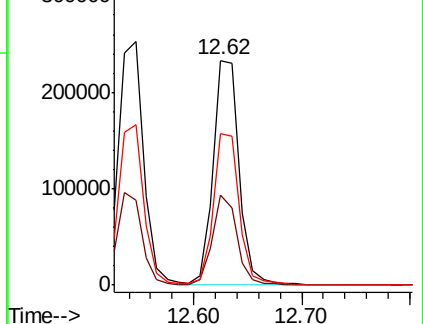
148 67.6 33.6 100.8

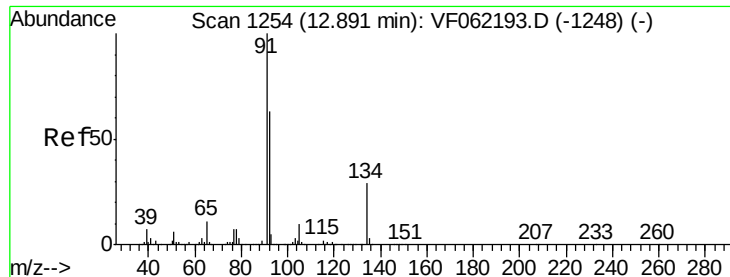


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#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

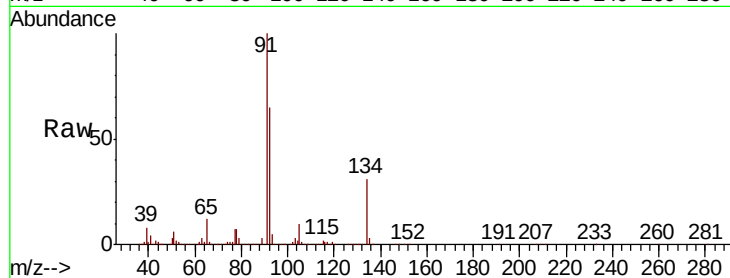
Tgt Ion: 91 Resp: 875916

Ion Ratio Lower Upper

91 100

92 62.5 31.2 93.6

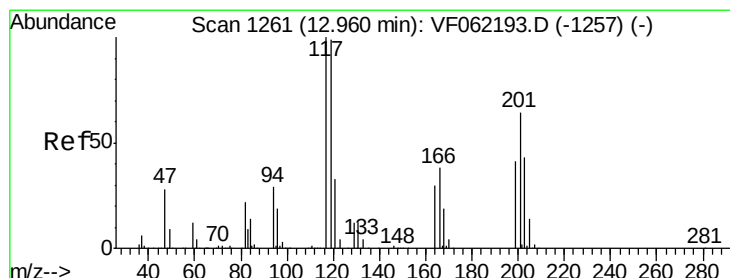
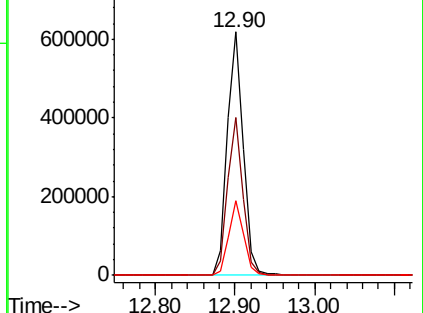
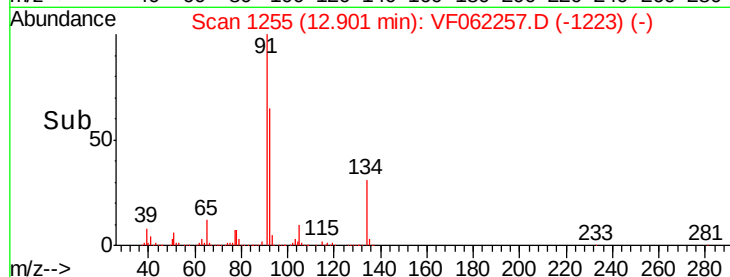
134 28.8 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.492 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062257.D

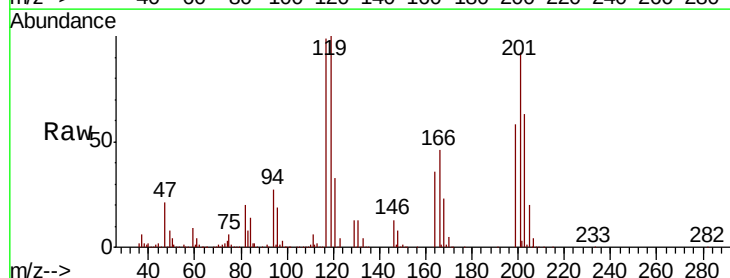
Acq: 23 Apr 2019 10:36

Tgt Ion: 117 Resp: 256792

Ion Ratio Lower Upper

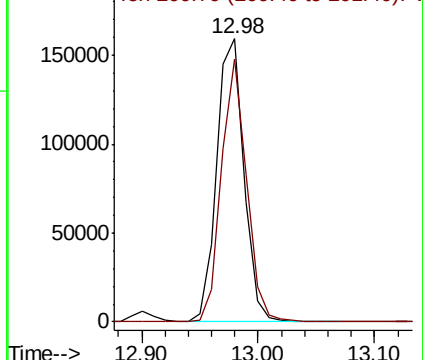
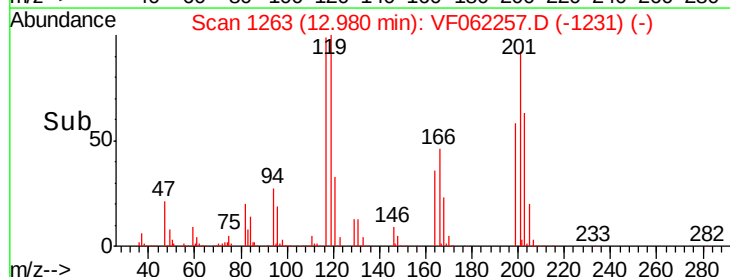
117 100

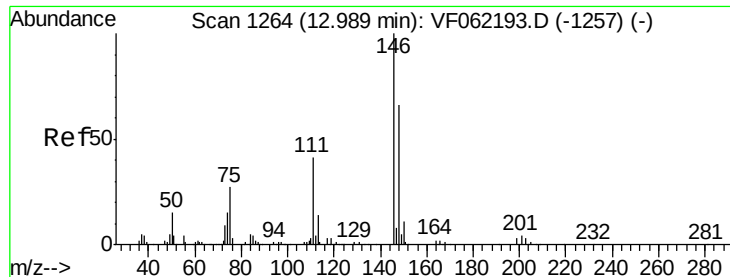
201 86.0 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

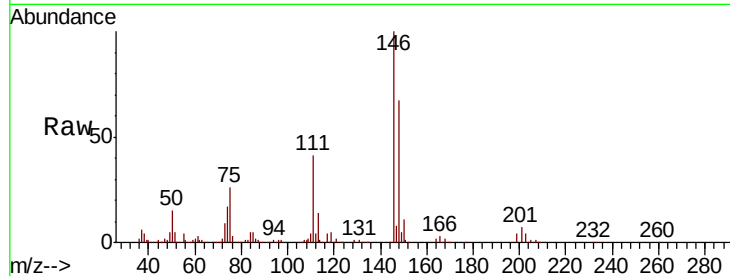




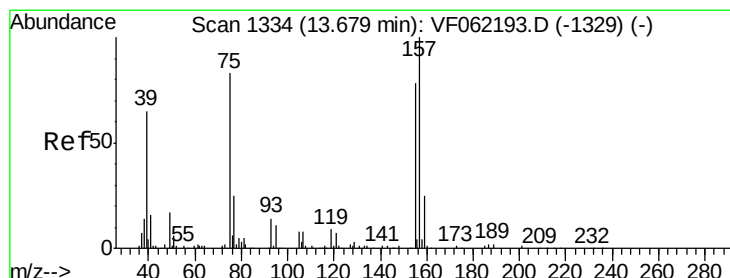
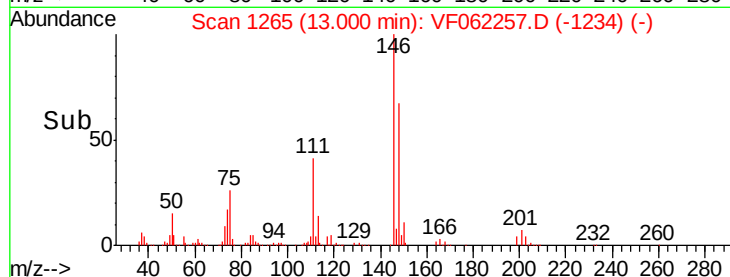
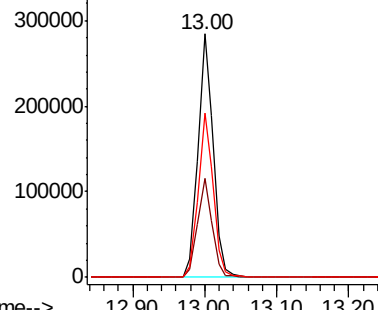
#91
 1,2-Dichlorobenzene
 Concen: 54.483 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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

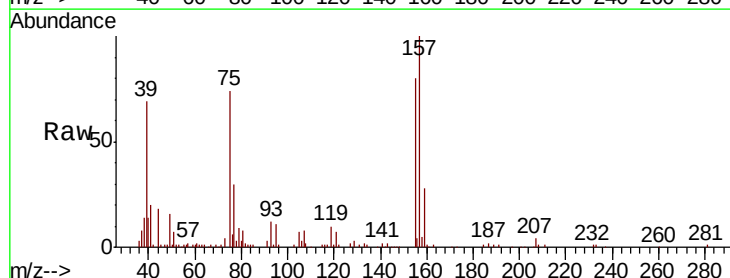


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

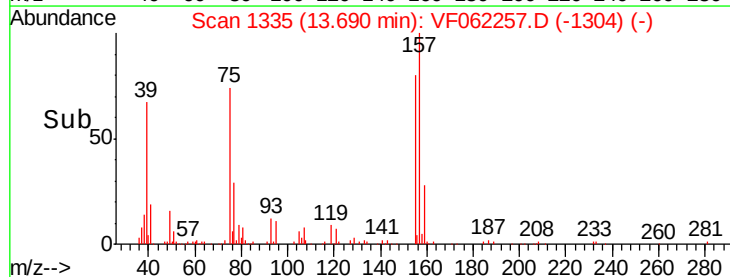
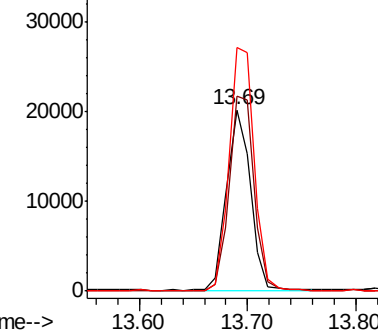


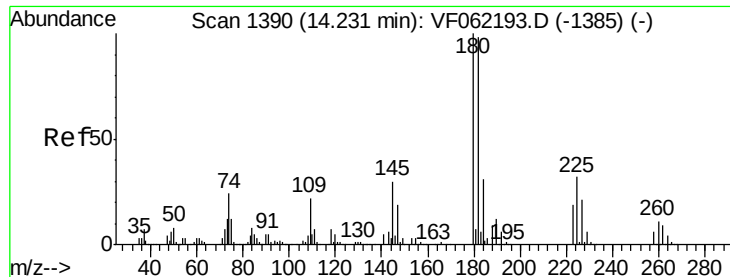
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.745 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

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

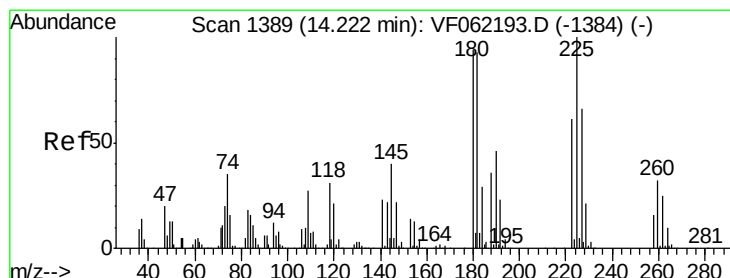
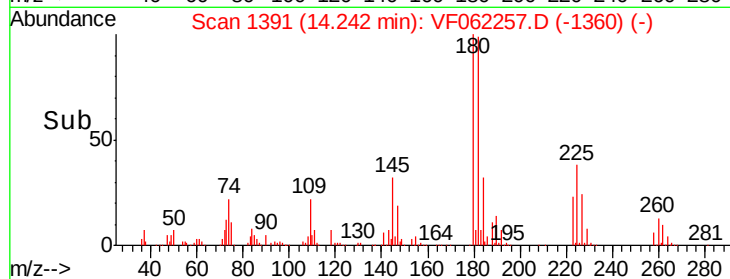
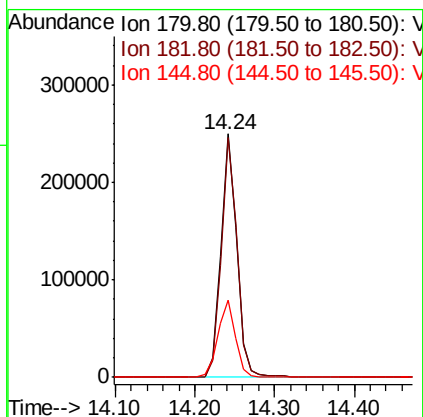
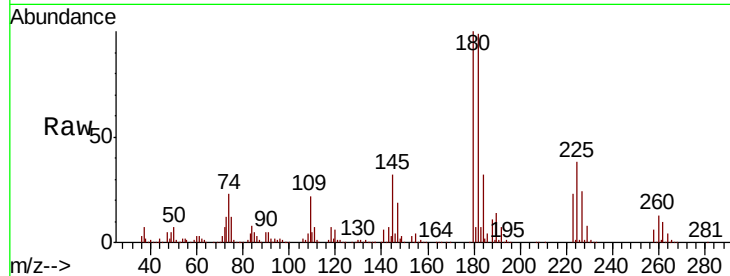




#93
 1,2,4-Trichlorobenzene
 Concen: 56.201 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062257.D
 Acq: 23 Apr 2019 10:36

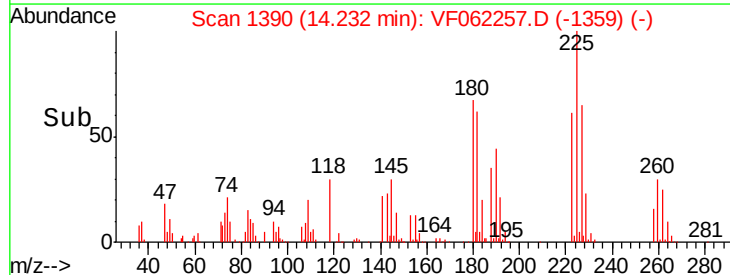
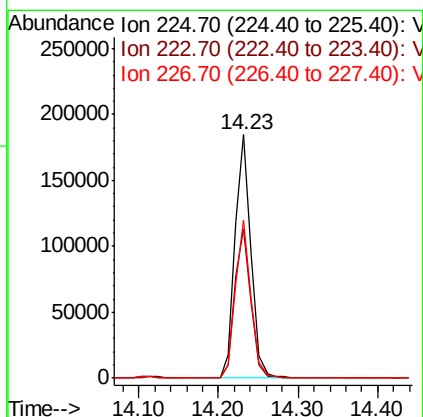
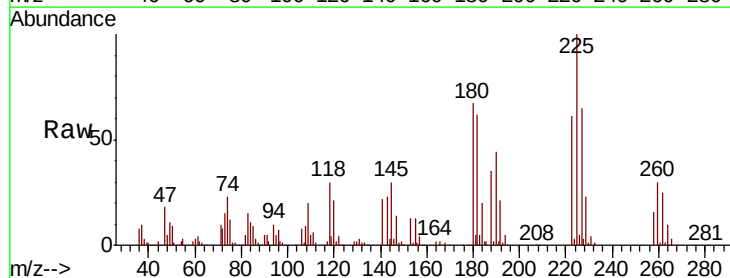
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

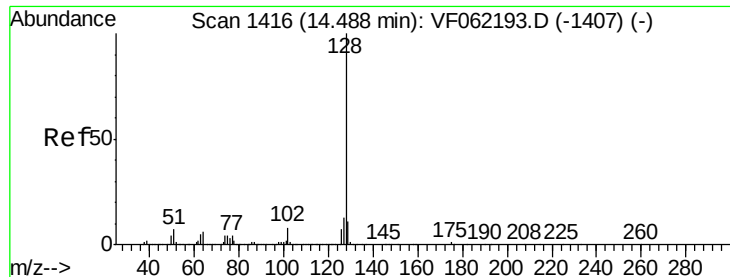
Tgt Ion:180 Resp: 355738
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.3 147.9
 145 34.8 18.1 54.4



#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





#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

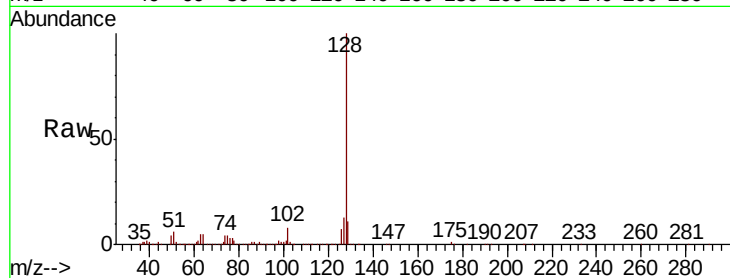
Tgt Ion:128 Resp: 599187

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.4 9.2 13.8

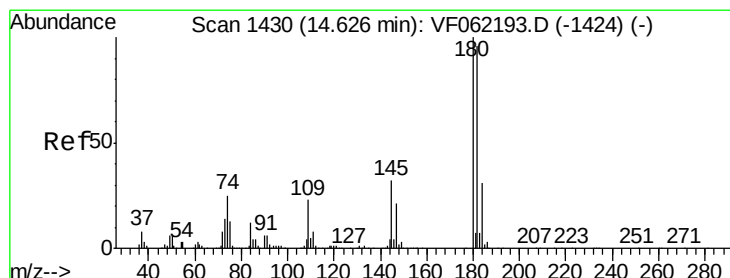
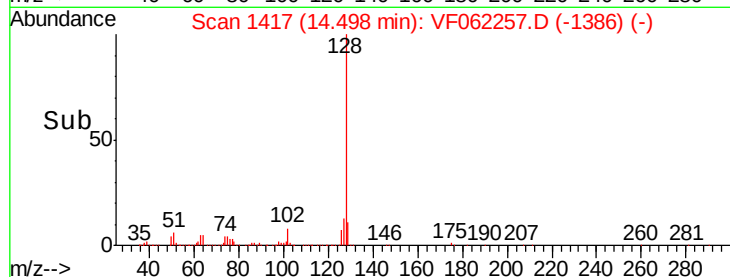
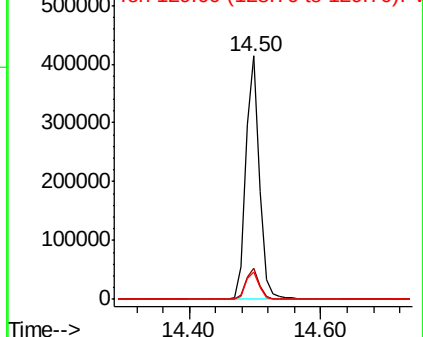


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#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

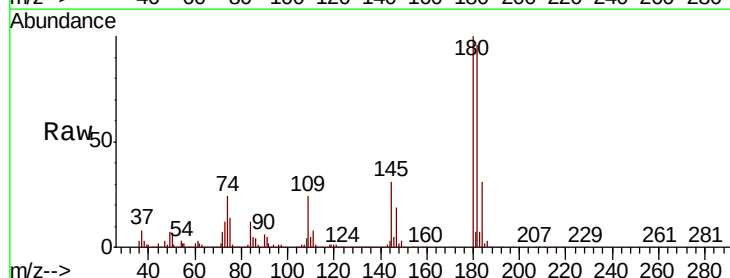
Tgt Ion:180 Resp: 354925

Ion Ratio Lower Upper

180 100

182 98.0 48.4 145.3

145 30.5 15.6 46.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

