

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062892.D
 Acq On : 6 Jun 2019 19:43
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 07 01:26:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	856805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1417991	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1189940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	551120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	322250	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
35) Dibromofluoromethane	4.33	113	569377	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	7.73	98	1403674	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.50	95	549452	56.37	ug/l	0.00
Spiked Amount			Recovery	=	112.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	472689	48.641	ug/l	95
3) Chloromethane	1.16	50	439835	49.612	ug/l	96
4) Vinyl Chloride	1.19	62	428759	48.668	ug/l	100
5) Bromomethane	1.41	94	264720	52.688	ug/l	90
6) Chloroethane	1.46	64	184013	55.865	ug/l	94
7) Trichlorofluoromethane	1.57	101	621083	49.799	ug/l	95
8) Diethyl Ether	1.72	74	139933	57.028	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.92	101	404980	51.648	ug/l	97
10) Methyl Iodide	2.00	142	808449	51.422	ug/l	98
11) Tert butyl alcohol	2.71	59	121064	337.298	ug/l	95
12) 1,1-Dichloroethene	1.88	96	369721	51.926	ug/l	96
13) Acrolein	2.11	56	44413	311.764	ug/l	92
14) Allyl chloride	2.21	41	442995	80.199	ug/l	96
15) Acrylonitrile	3.11	53	330475	245.036	ug/l	# 93
16) Acetone	2.36	43	392740	289.617	ug/l	98
17) Carbon Disulfide	1.93	76	1077229	51.764	ug/l	98
18) Methyl Acetate	2.47	43	136985	57.806	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	735095	56.985	ug/l	97
20) Methylene Chloride	2.35	84	283147	41.169	ug/l	92
21) trans-1,2-Dichloroethene	2.44	96	371917	52.097	ug/l	94
22) Diisopropyl ether	2.96	45	924811	58.930	ug/l	99
23) Vinyl Acetate	3.36	43	3030559	282.074	ug/l	97
24) 1,1-Dichloroethane	3.03	63	661888	56.488	ug/l	97
25) 2-Butanone	4.54	43	878009	278.029	ug/l	96
26) 2,2-Dichloropropane	3.80	77	352656	53.006	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	619705	51.641	ug/l	90
28) Bromochloromethane	3.92	49	349825	54.886	ug/l	95
29) Tetrahydrofuran	4.29	42	367760	304.478	ug/l	97
30) Chloroform	4.07	83	836056	50.627	ug/l	100
31) Cyclohexane	3.90	56	820254	51.706	ug/l	92
32) 1,1,1-Trichloroethane	4.32	97	545983	56.785	ug/l	96
36) 1,1-Dichloropropene	4.50	75	690420	52.890	ug/l	99
37) Ethyl Acetate	4.33	43	299509	60.021	ug/l	94
38) Carbon Tetrachloride	4.21	117	481828	54.615	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062892.D
 Acq On : 6 Jun 2019 19:43
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 07 01:26:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	873298	53.752	ug/l	95
40) Benzene	4.84	78	2026897	53.351	ug/l	98
41) Methacrylonitrile	4.95	41	161501	58.218	ug/l	95
42) 1,2-Dichloroethane	5.15	62	387625	53.645	ug/l	91
43) Isopropyl Acetate	7.13	43	405780	61.557	ug/l #	93
44) Trichloroethene	5.71	130	554167	51.685	ug/l	99
45) 1,2-Dichloropropane	6.43	63	528550	55.439	ug/l	95
46) Dibromomethane	6.28	93	309701	55.639	ug/l	93
47) Bromodichloromethane	6.58	83	608021	53.636	ug/l	96
48) Methyl methacrylate	6.89	41	202126	59.497	ug/l	92
49) 1,4-Dioxane	6.89	88	58226	1300.287	ug/l	85
51) 4-Methyl-2-Pentanone	8.42	43	1388806	295.100	ug/l	99
52) Toluene	7.80	92	1110147	54.252	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	500199	53.249	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	724005	53.246	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	331915	54.295	ug/l	96
56) Ethyl methacrylate	8.77	69	389475	59.378	ug/l	98
57) 1,3-Dichloropropane	9.01	76	563647	56.461	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	737934	321.904	ug/l	97
59) 2-Hexanone	9.64	43	1045286	311.612	ug/l	96
60) Dibromochloromethane	8.87	129	438158	57.892	ug/l	97
61) 1,2-Dibromoethane	9.15	107	377216	59.414	ug/l	99
64) Tetrachloroethene	8.32	164	430970	47.132	ug/l	92
65) Chlorobenzene	9.95	112	1154407	50.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	466811	51.008	ug/l	98
67) Ethyl Benzene	10.05	91	2024868	51.348	ug/l	98
68) m/p-Xylenes	10.27	106	1460969	96.817	ug/l	99
69) o-Xylene	10.83	106	796057	52.105	ug/l	100
70) Styrene	10.90	104	1165897	51.774	ug/l	100
71) Bromoform	10.89	173	247096	56.282	ug/l	98
73) Isopropylbenzene	11.23	105	2018144	52.481	ug/l	100
74) N-amyl acetate	11.45	43	592453	54.663	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	451368	54.964	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	294808	54.158	ug/l	95
77) Bromobenzene	11.59	156	492208	50.942	ug/l	88
78) n-propylbenzene	11.68	91	2275367	49.005	ug/l	98
79) 2-Chlorotoluene	11.81	91	1333739	50.201	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1570534	49.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	167666	72.753	ug/l	98
82) 4-Chlorotoluene	11.98	91	1320319	50.568	ug/l	93
83) tert-Butylbenzene	12.20	119	1587905	50.958	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1526597	51.199	ug/l	100
85) sec-Butylbenzene	12.38	105	2131026	51.900	ug/l	97
86) p-Isopropyltoluene	12.53	119	1739990	50.911	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	847829	49.755	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	799151	50.253	ug/l	96
89) n-Butylbenzene	12.90	91	1726892	50.230	ug/l	96
90) Hexachloroethane	12.98	117	433649	52.023	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	771211	51.491	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	51242	57.274	ug/l	85

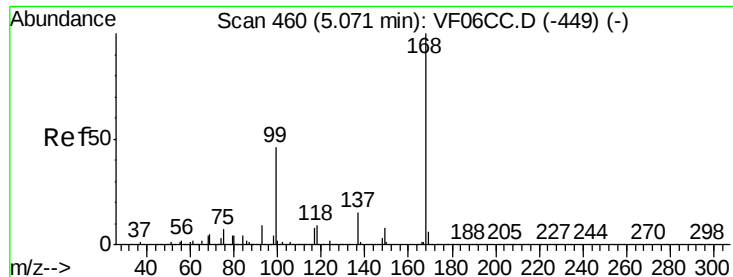
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062892.D
Acq On : 6 Jun 2019 19:43
Operator : FY/SY
Sample : VSTDCCC050EC
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 07 01:26:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	498373	48.462	ug/l	98
94) Hexachlorobutadiene	14.23	225	339377	47.703	ug/l	98
95) Naphthalene	14.50	128	923704	54.826	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	469883	50.055	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

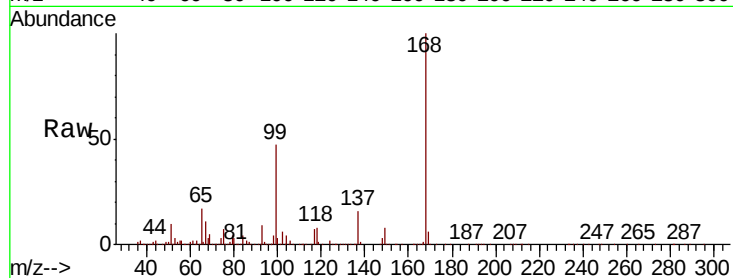
VSTDCCC050EC

Tot Ion:168 Resp: 856805

Ion Ratio Lower Upper

168 100

99 47.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

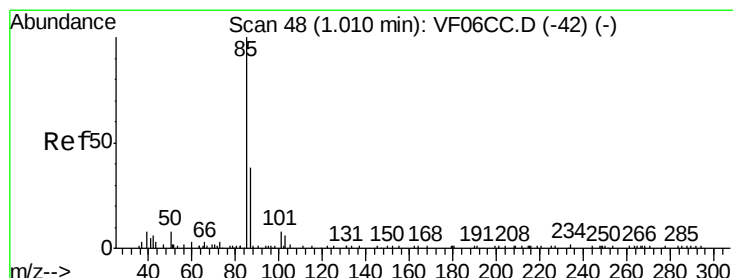
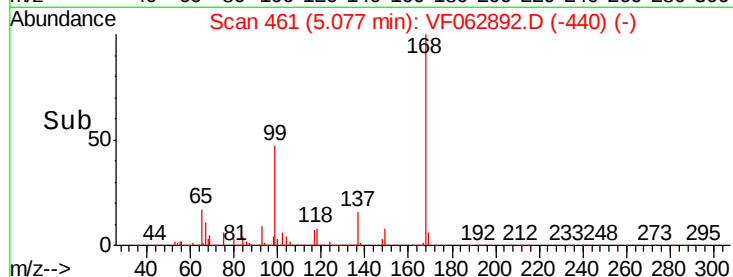
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.641 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062892.D

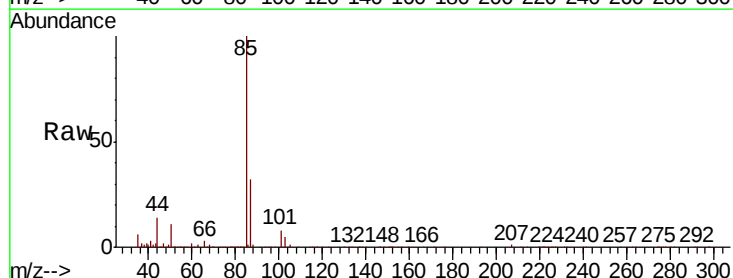
Acq: 6 Jun 2019 19:43

Tgt Ion: 85 Resp: 472689

Ion Ratio Lower Upper

85 100

87 32.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

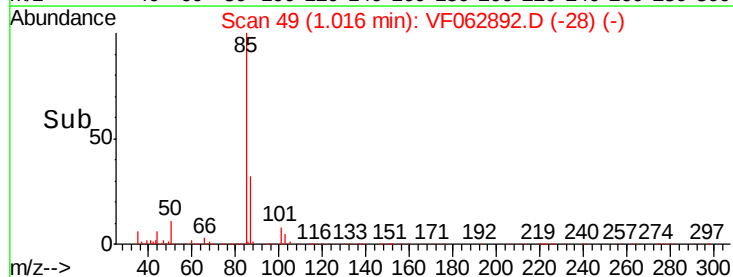
1.02

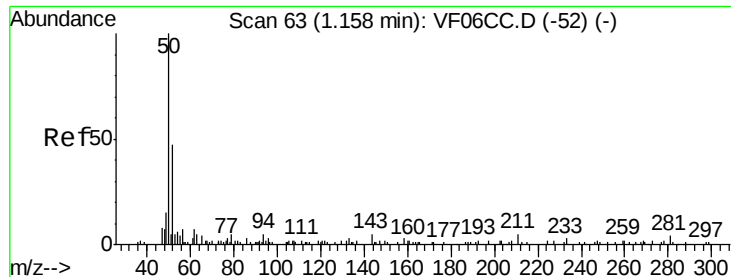
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.612 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

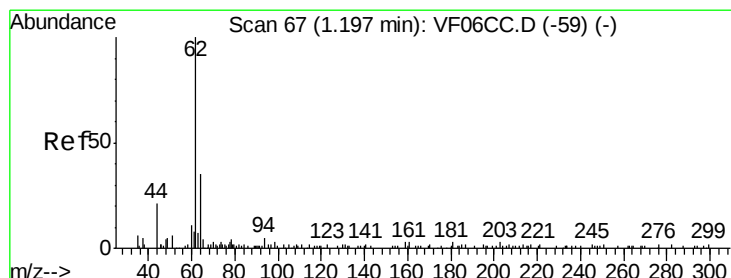
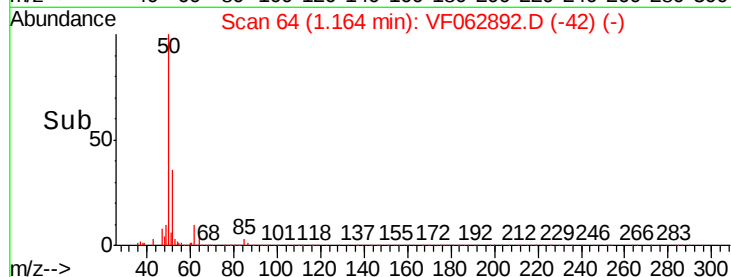
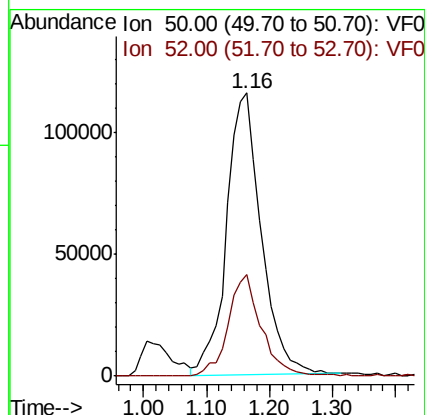
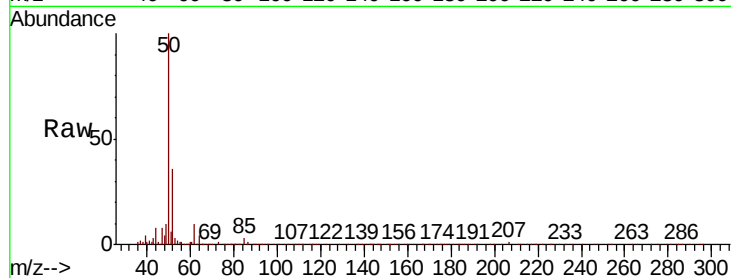
VSTDCCC050EC

Tot Ion: 50 Resp: 439835

Ion Ratio Lower Upper

50 100

52 36.0 27.0 40.4



#4

Vinyl Chloride

Concen: 48.668 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062892.D

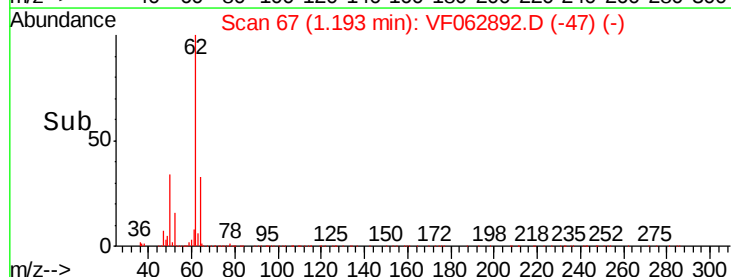
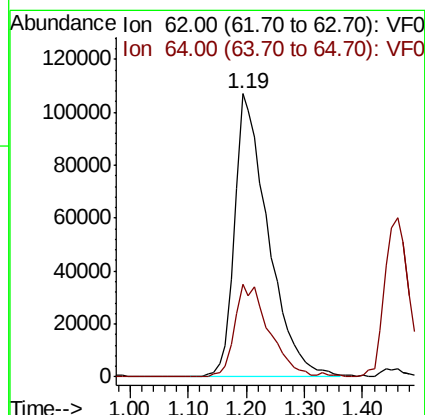
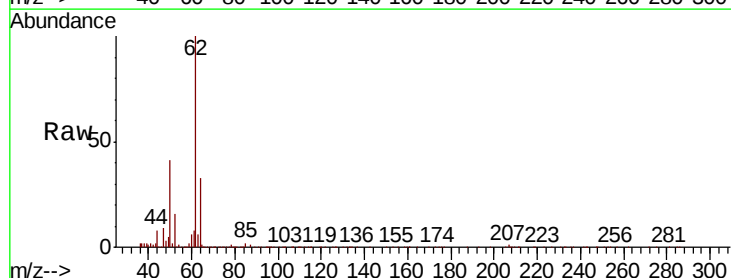
Acq: 6 Jun 2019 19:43

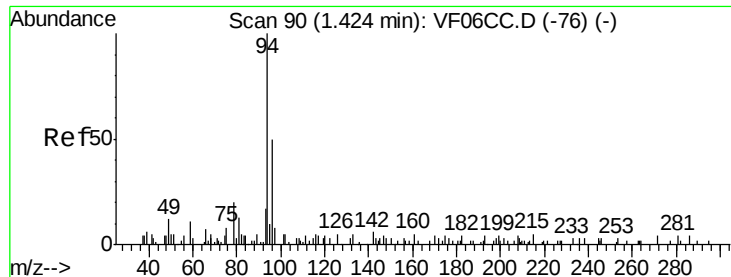
Tgt Ion: 62 Resp: 428759

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 52.688 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

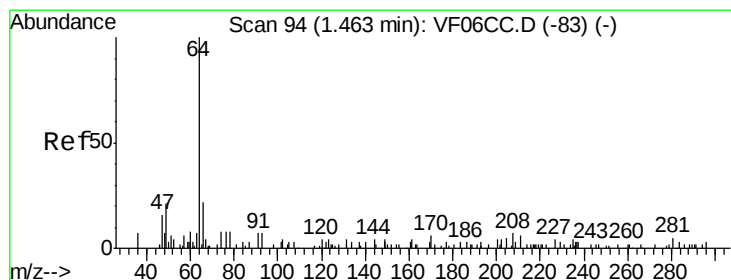
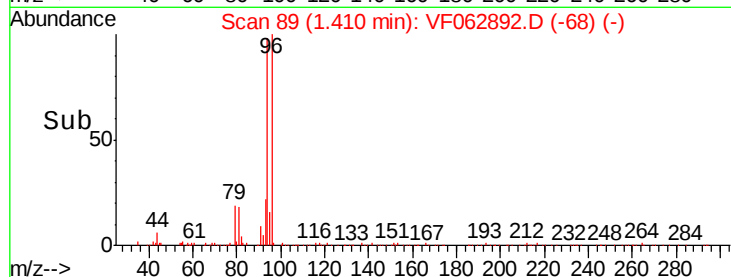
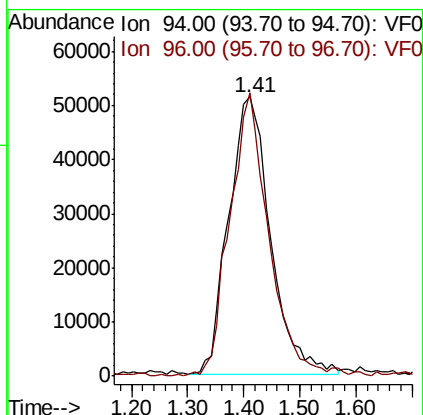
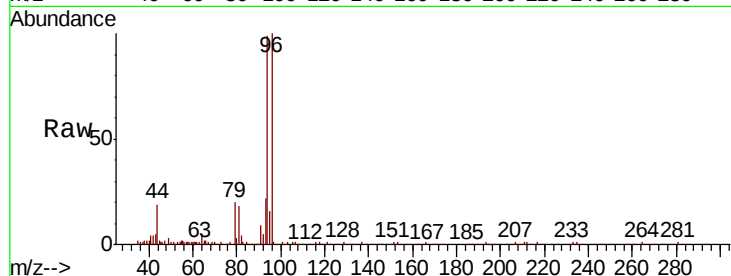
VSTDCCC050EC

Tot Ion: 94 Resp: 264720

Ion Ratio Lower Upper

94 100

96 101.3 73.8 110.6



#6

Chloroethane

Concen: 55.865 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062892.D

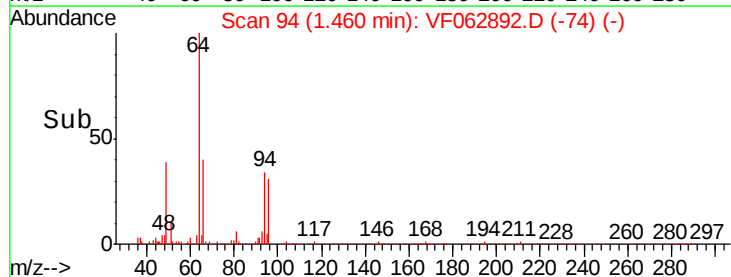
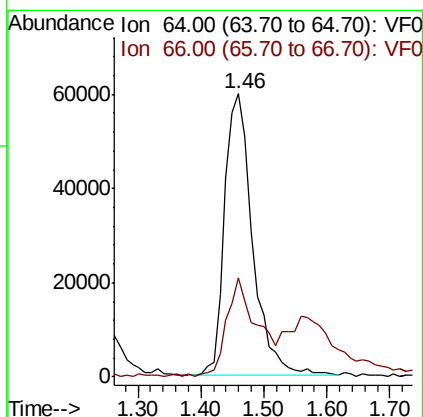
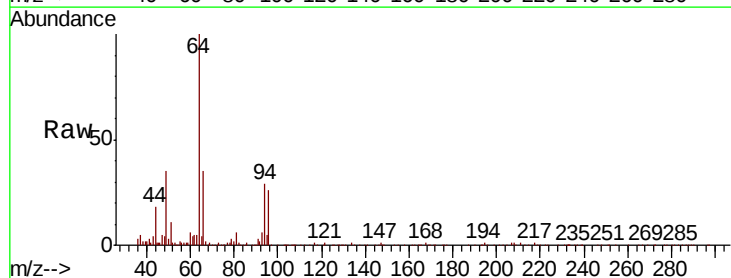
Acq: 6 Jun 2019 19:43

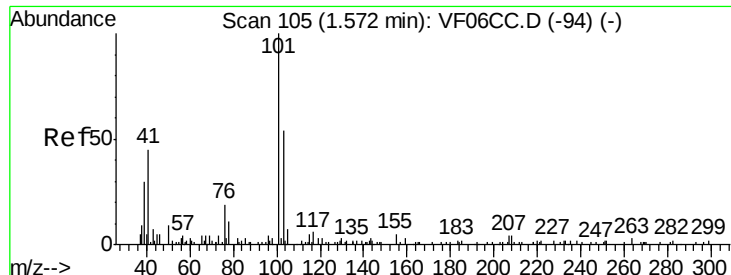
Tgt Ion: 64 Resp: 184013

Ion Ratio Lower Upper

64 100

66 34.9 31.0 46.4



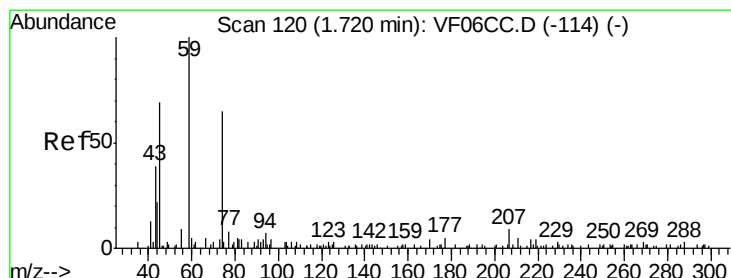
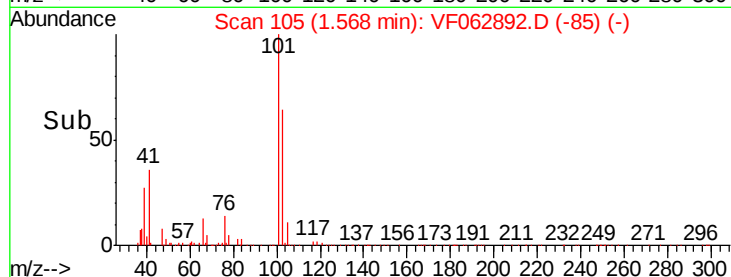
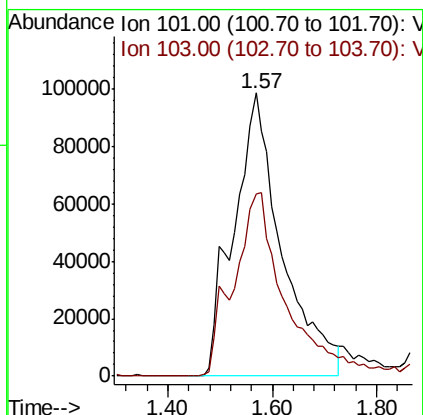
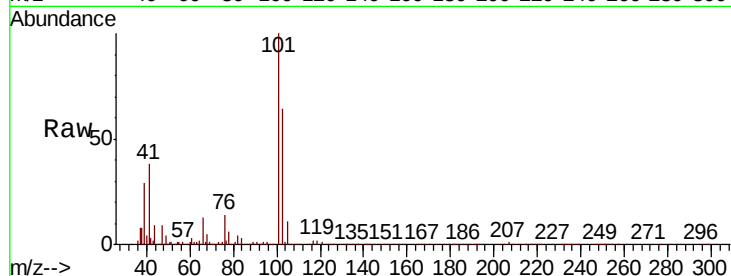


#7

Trichlorofluoromethane
Concen: 49.799 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

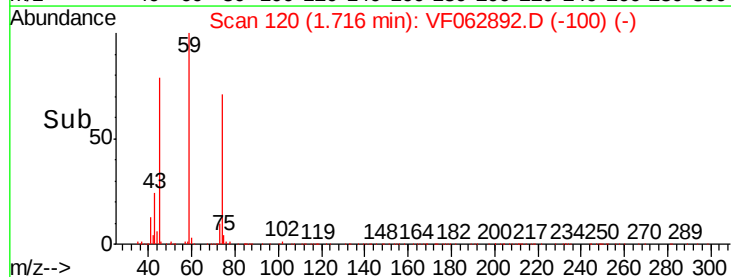
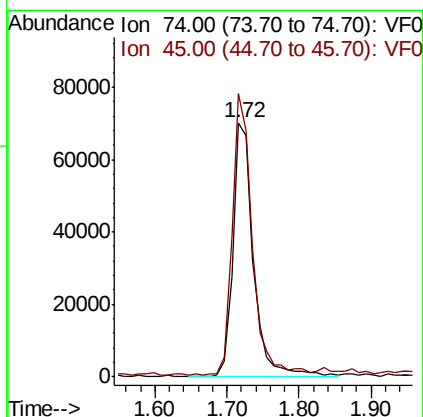
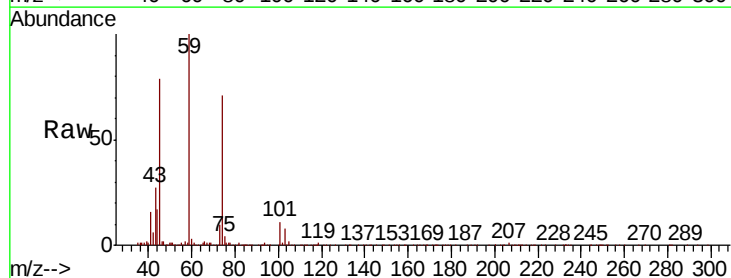
Tot Ion:101 Resp: 621083
Ion Ratio Lower Upper
101 100
103 64.3 54.6 82.0

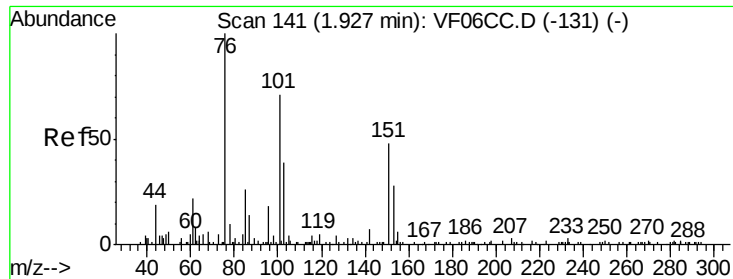


#8

Diethyl Ether
Concen: 57.028 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 74 Resp: 139933
Ion Ratio Lower Upper
74 100
45 111.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.648 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

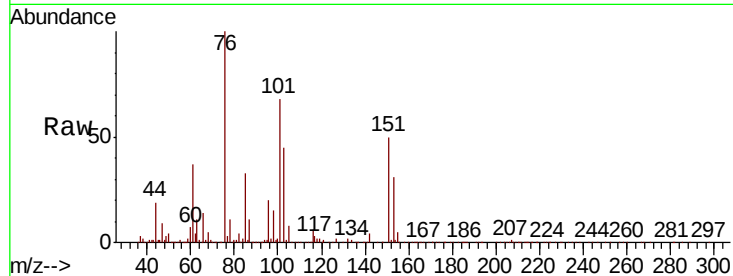
Tot Ion:101 Resp: 404980

Ion Ratio Lower Upper

101 100

85 48.4 37.1 55.7

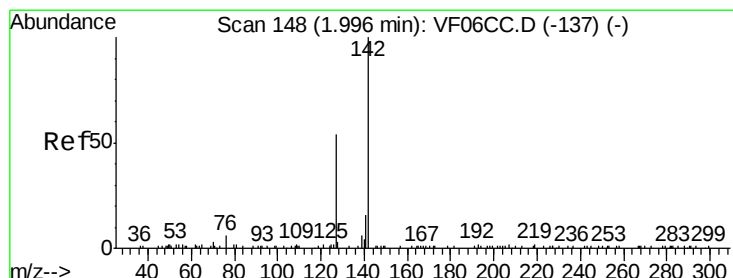
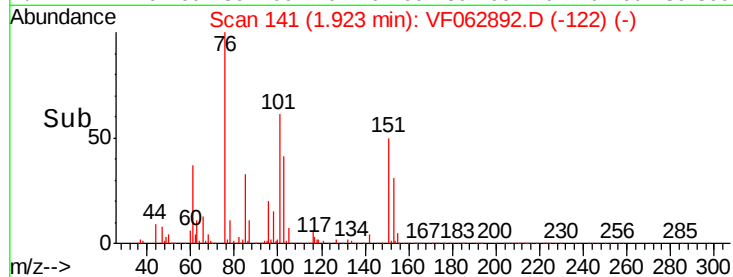
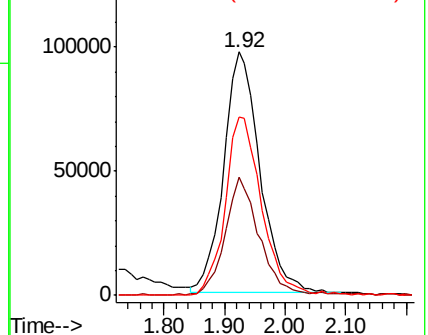
151 73.5 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 51.422 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

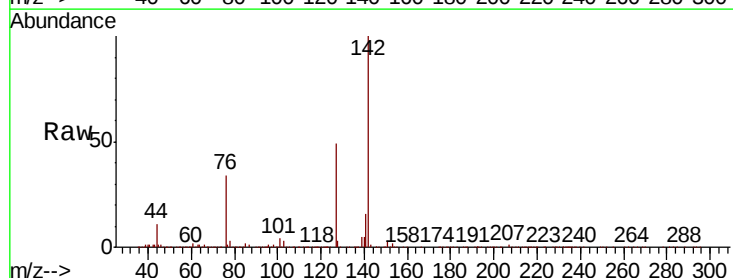
Tgt Ion:142 Resp: 808449

Ion Ratio Lower Upper

142 100

127 49.0 39.4 59.2

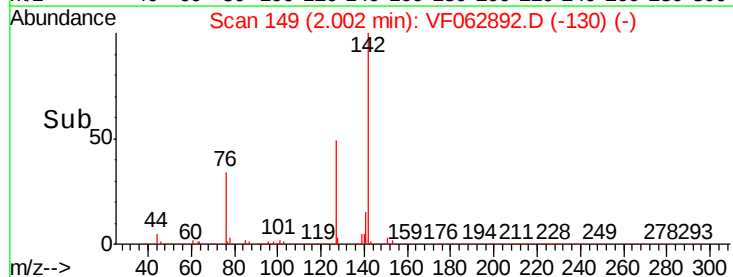
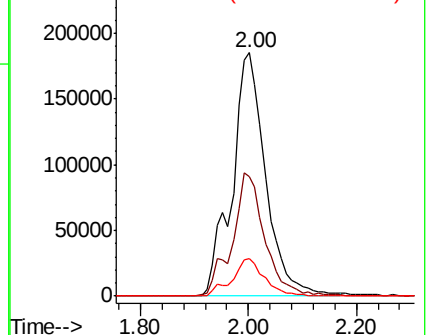
141 15.5 10.6 15.8

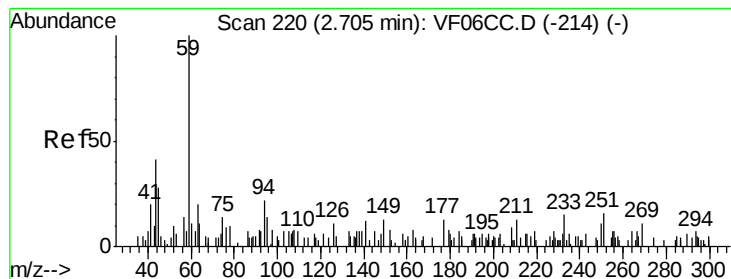


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



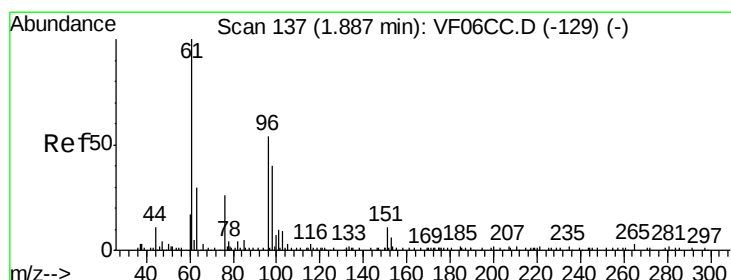
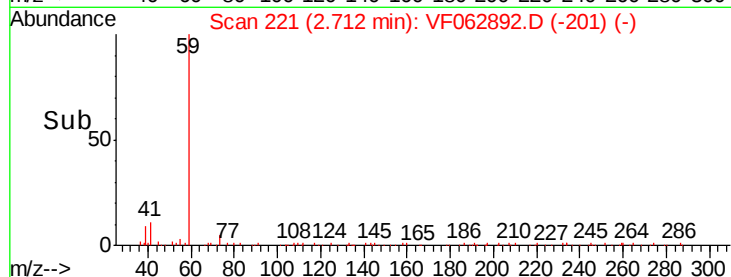
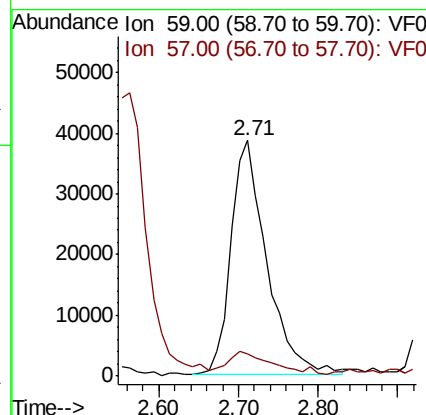
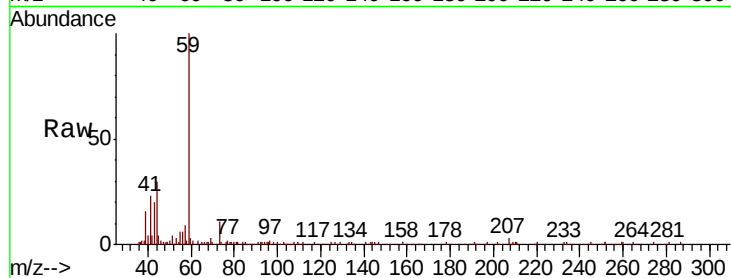


#11

Tert butyl alcohol
 Concen: 337.298 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

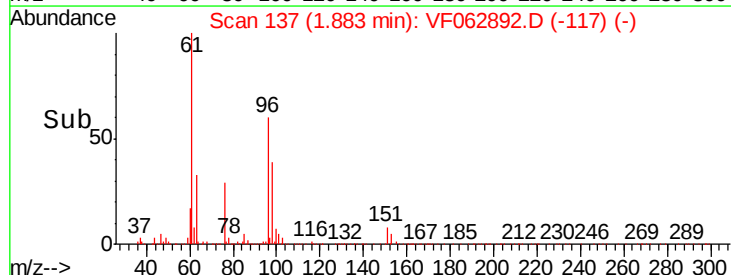
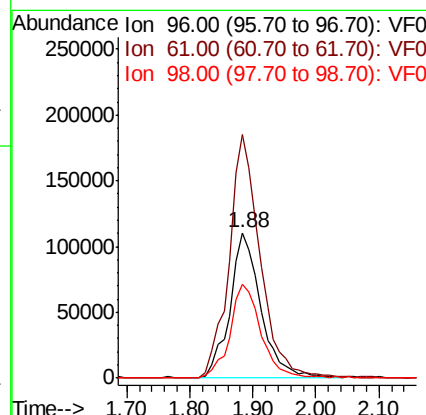
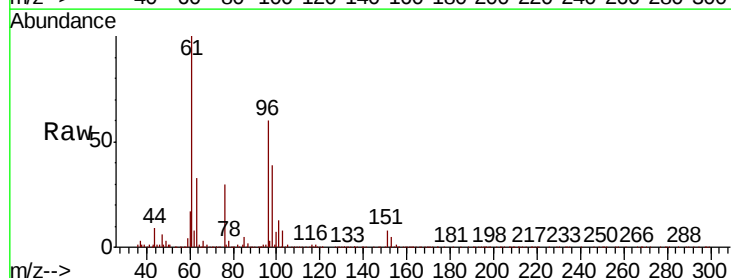
Tot Ion: 59 Resp: 121064
 Ion Ratio Lower Upper
 59 100
 57 9.4 9.2 13.8

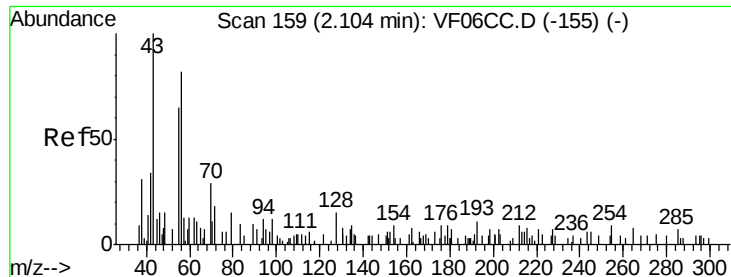


#12

1,1-Dichloroethene
 Concen: 51.926 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion: 96 Resp: 369721
 Ion Ratio Lower Upper
 96 100
 61 167.4 139.4 209.2
 98 64.5 50.3 75.5

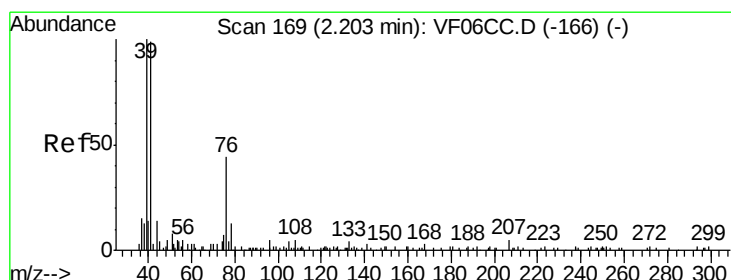
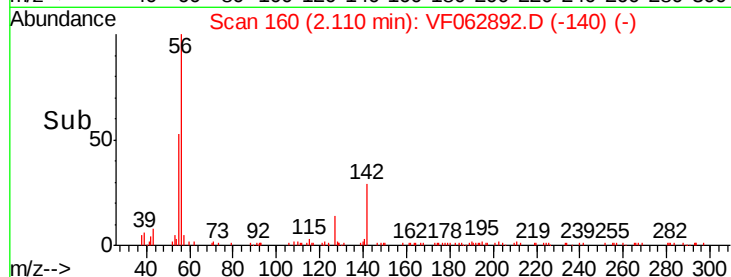
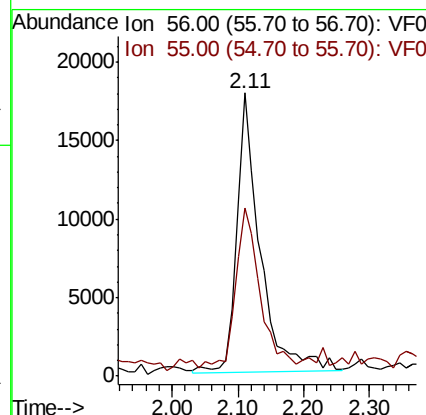
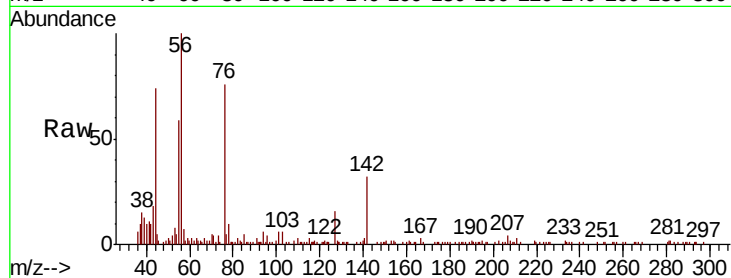




#13
Acrolein
Concen: 311.764 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

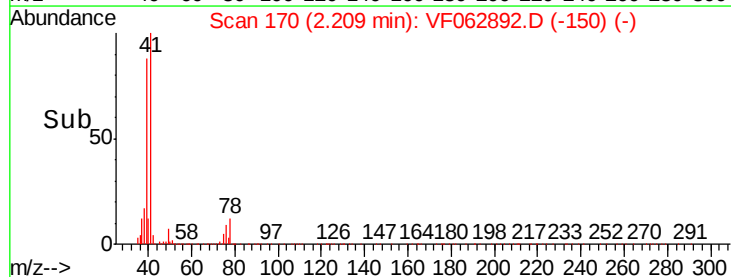
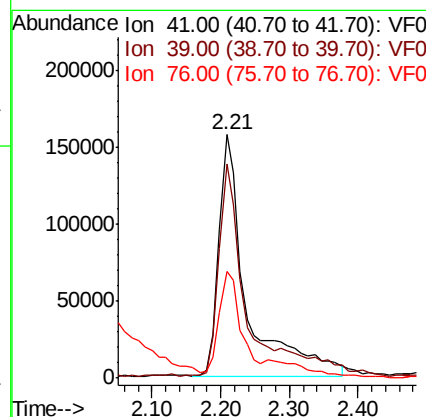
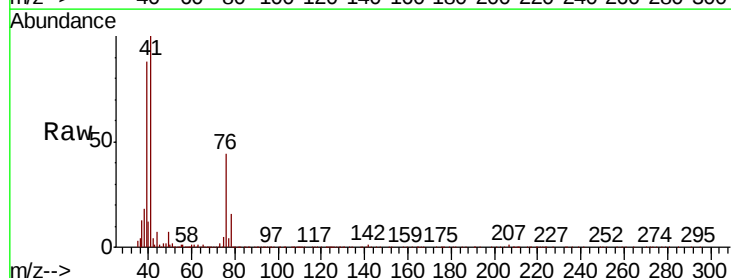
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

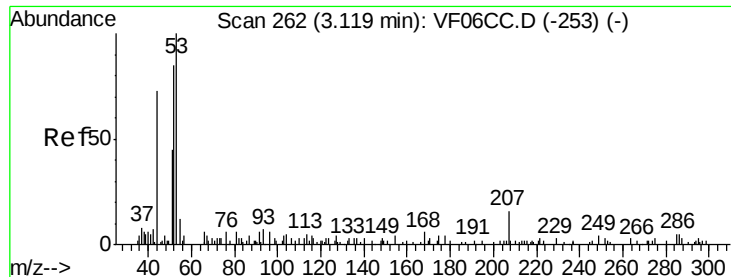
Tot Ion: 56 Resp: 44413
Ion Ratio Lower Upper
56 100
55 59.5 52.9 79.3



#14
Allyl chloride
Concen: 80.199 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 41 Resp: 442995
Ion Ratio Lower Upper
41 100
39 87.9 71.9 107.9
76 43.6 39.6 59.4





#15

Acrylonitrile

Concen: 245.036 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

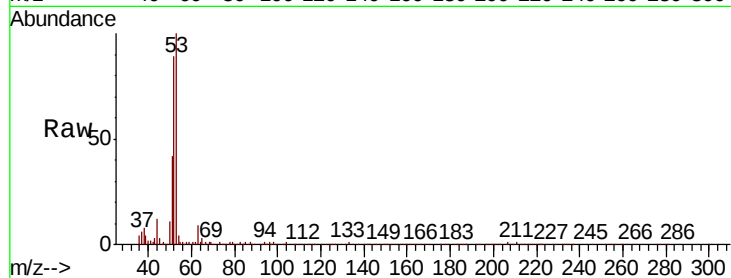
Tot Ion: 53 Resp: 330475

Ion Ratio Lower Upper

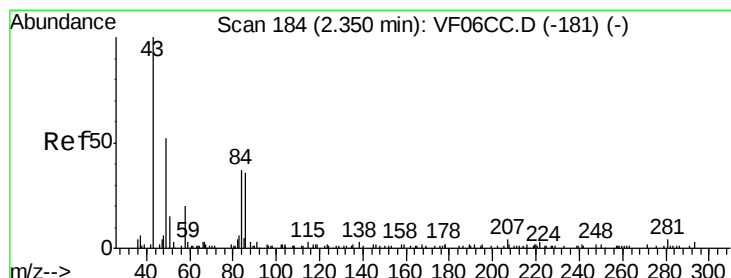
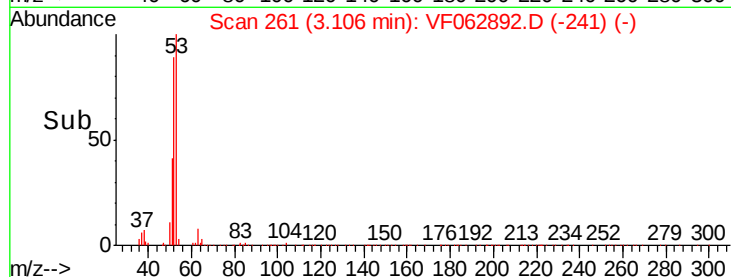
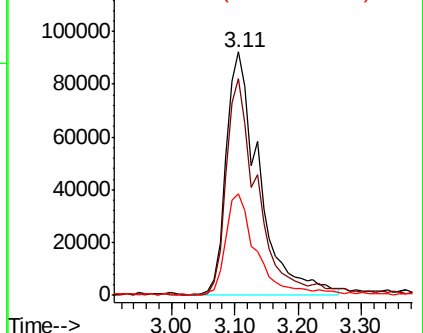
53 100

52 89.2 68.1 102.1

51 41.7 27.7 41.5#



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: 289.617 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062892.D

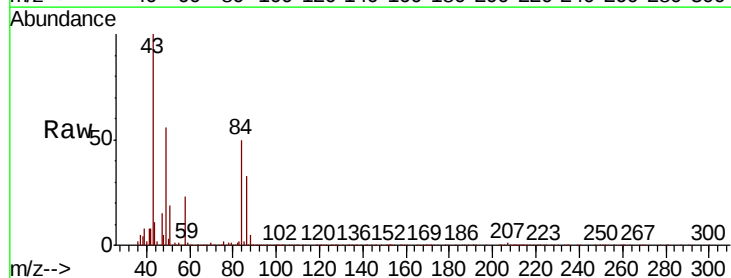
Acq: 6 Jun 2019 19:43

Tgt Ion: 43 Resp: 392740

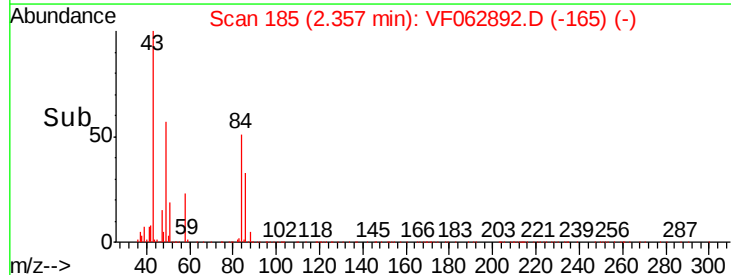
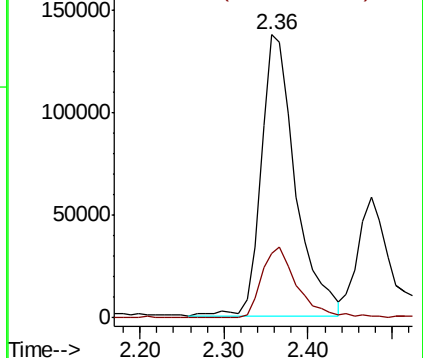
Ion Ratio Lower Upper

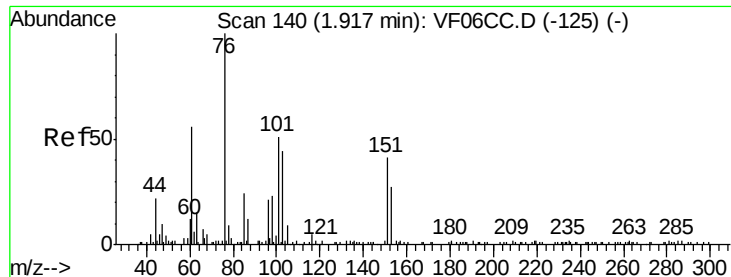
43 100

58 22.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

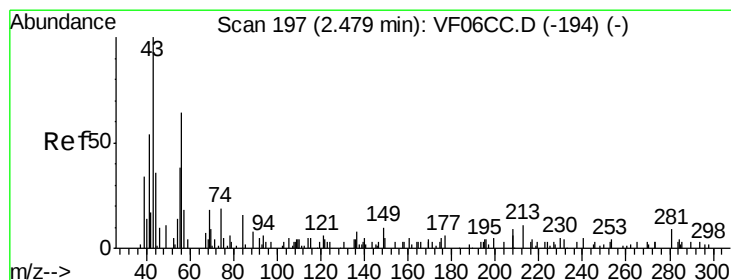
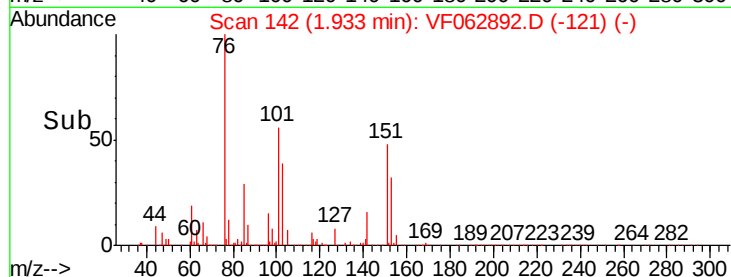
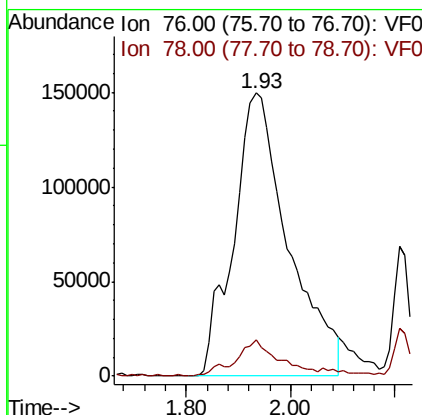
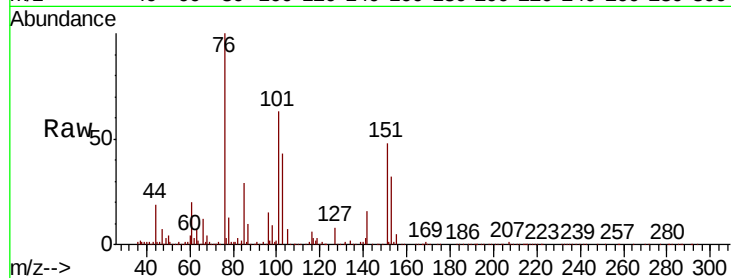




#17
Carbon Disulfide
Concen: 51.764 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

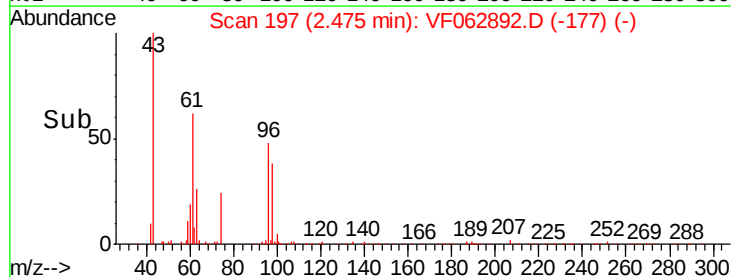
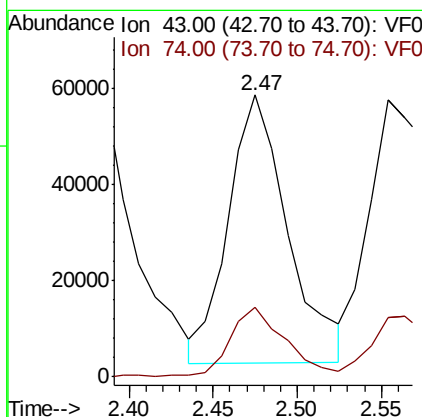
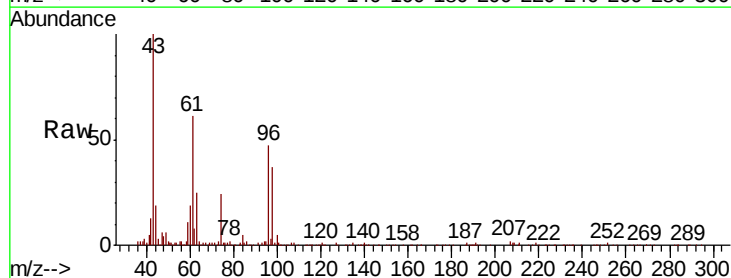
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

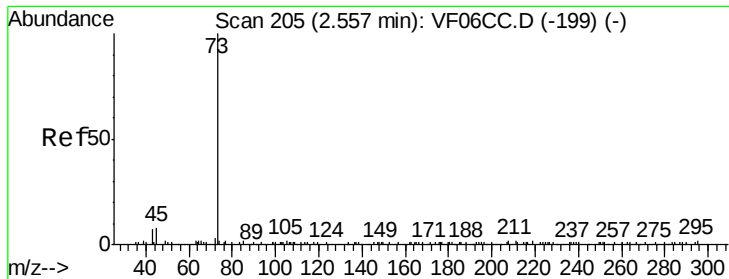
Tot Ion: 76 Resp: 1077229
Ion Ratio Lower Upper
76 100
78 12.6 9.4 14.2



#18
Methyl Acetate
Concen: 57.806 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 43 Resp: 136985
Ion Ratio Lower Upper
43 100
74 24.5 22.1 33.1

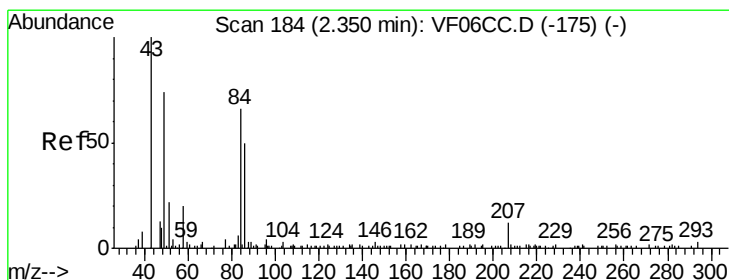
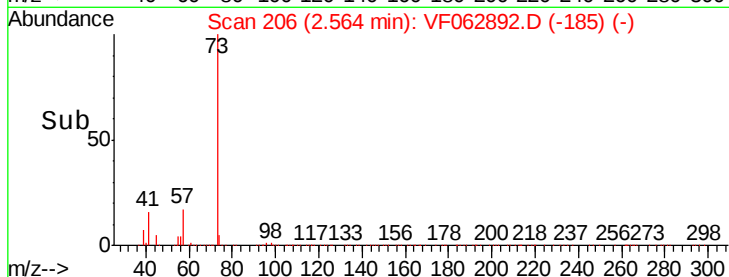
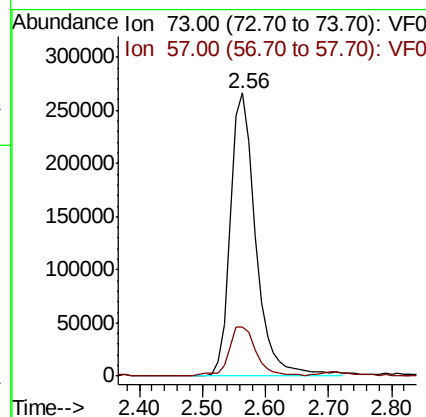
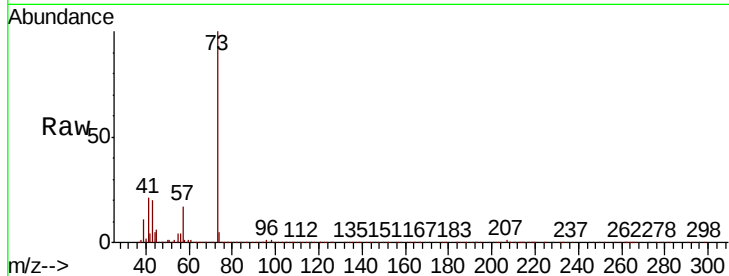




#19
Methvl tert-butvl Ether
Concen: 56.985 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

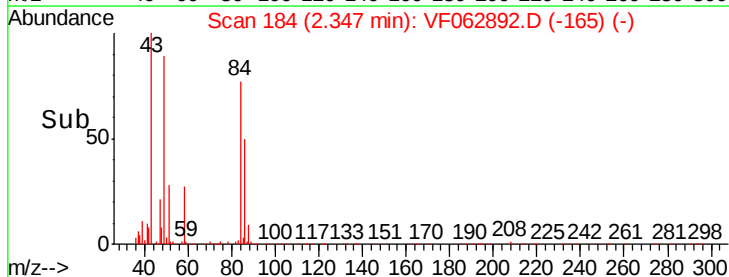
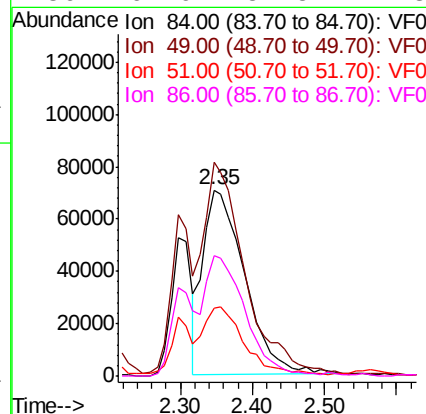
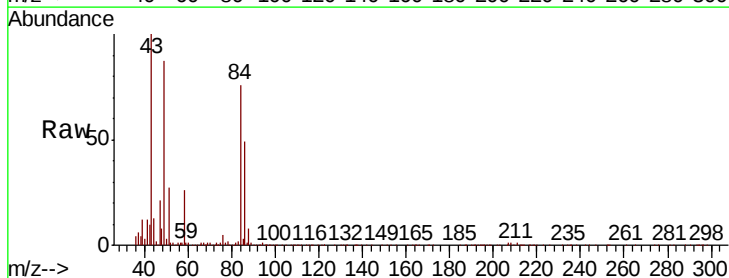
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

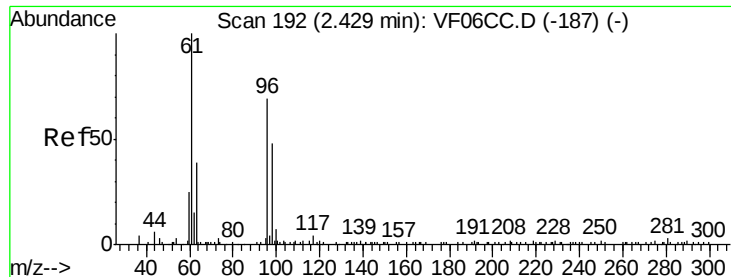
Tot Ion: 73 Resp: 735095
Ion Ratio Lower Upper
73 100
57 17.5 15.1 22.7



#20
Methylene Chloride
Concen: 41.169 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 84 Resp: 283147
Ion Ratio Lower Upper
84 100
49 115.0 82.6 123.8
51 36.3 25.0 37.4
86 64.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 52.097 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

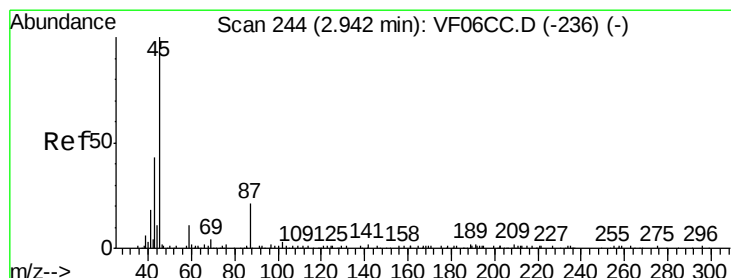
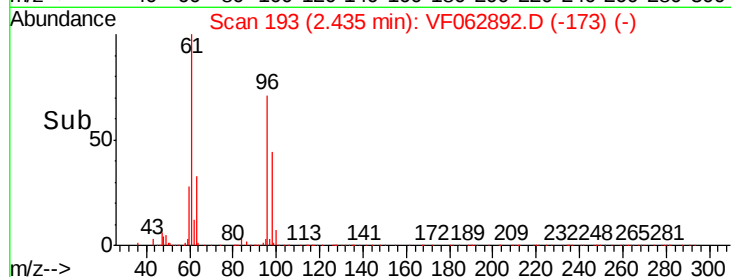
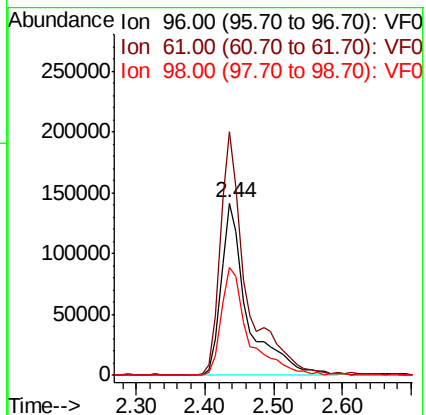
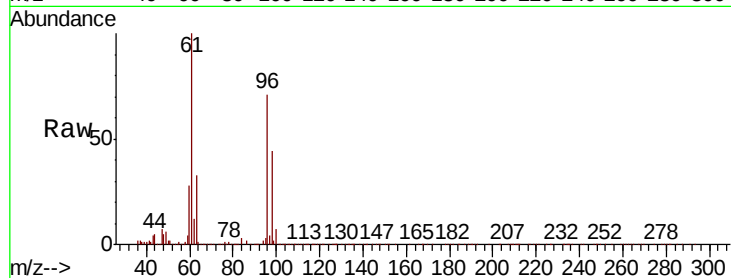
Tot Ion: 96 Resp: 371917

Ion Ratio Lower Upper

96 100

61 141.5 105.0 157.6

98 62.8 51.1 76.7



#22

Diisopropyl ether

Concen: 58.930 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion: 45 Resp: 924811

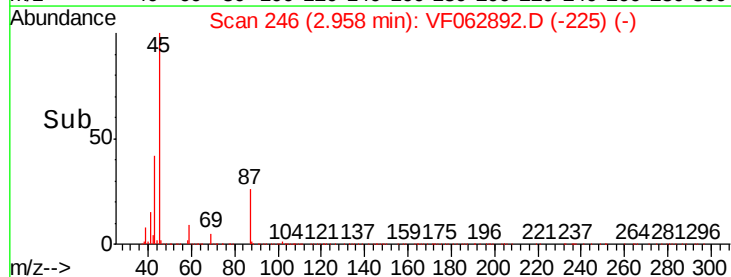
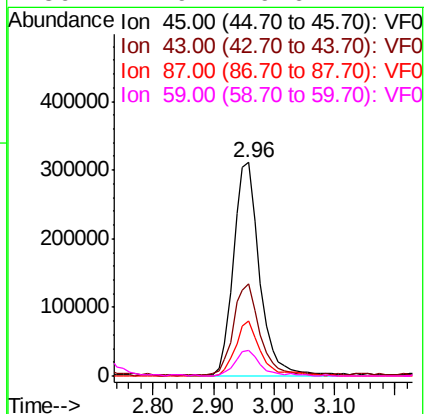
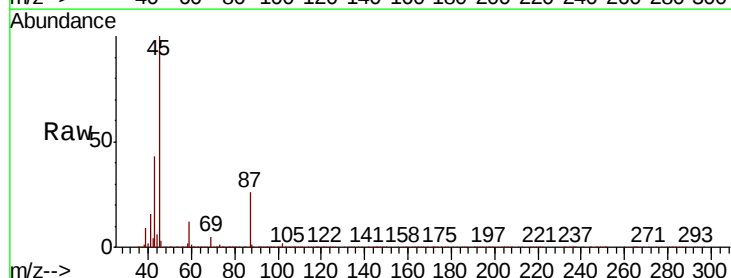
Ion Ratio Lower Upper

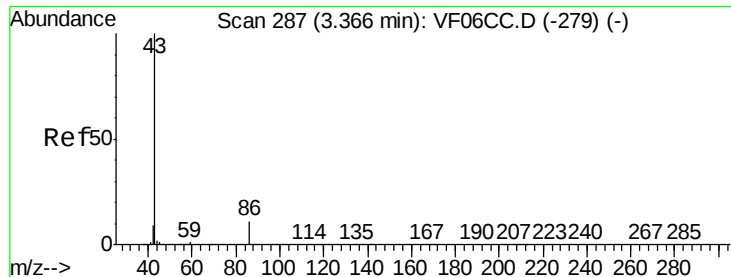
45 100

43 42.9 34.3 51.5

87 25.8 19.0 28.4

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 282.074 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

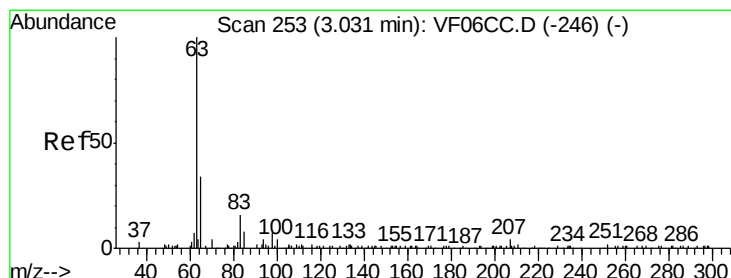
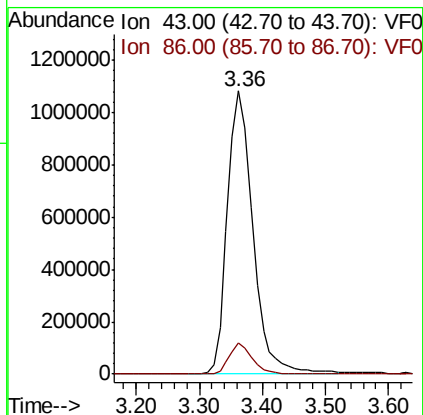
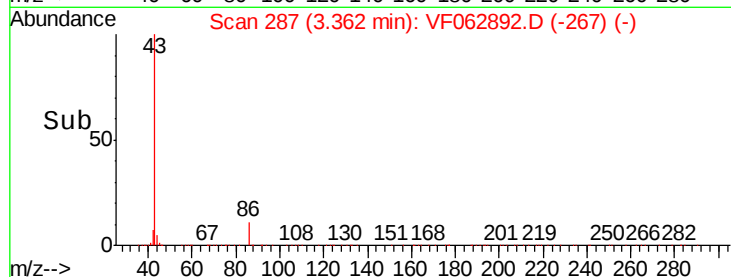
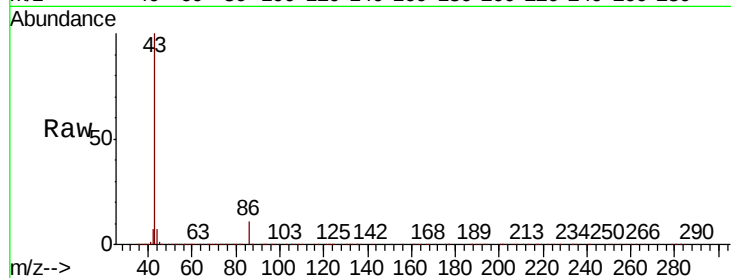
VSTDCCC050EC

Tot Ion: 43 Resp: 3030559

Ion Ratio Lower Upper

43 100

86 11.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 56.488 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

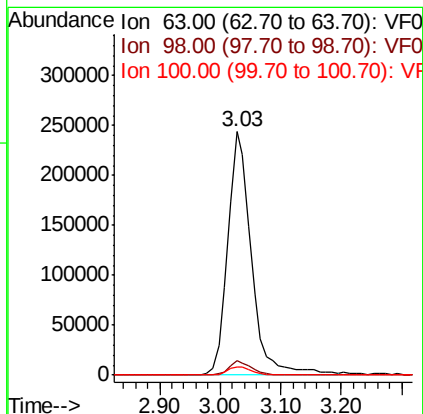
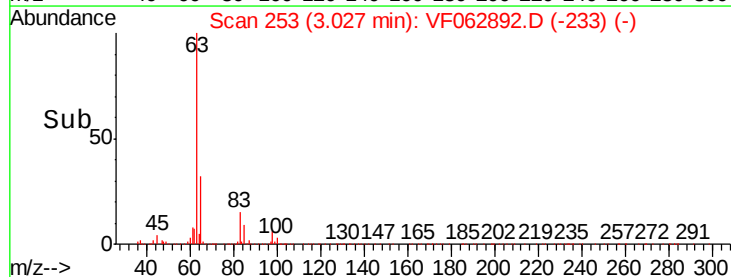
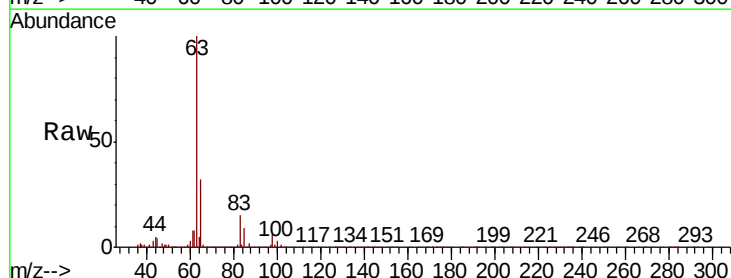
Tgt Ion: 63 Resp: 661888

Ion Ratio Lower Upper

63 100

98 6.0 2.4 7.1

100 3.2 1.5 4.5

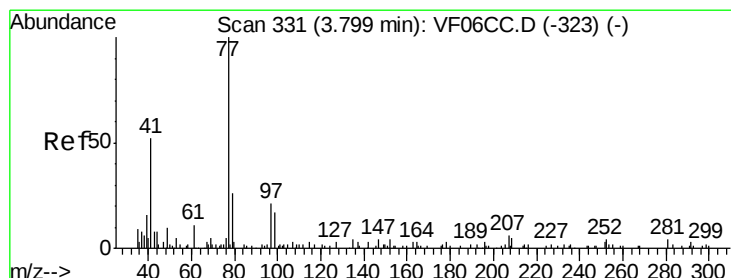
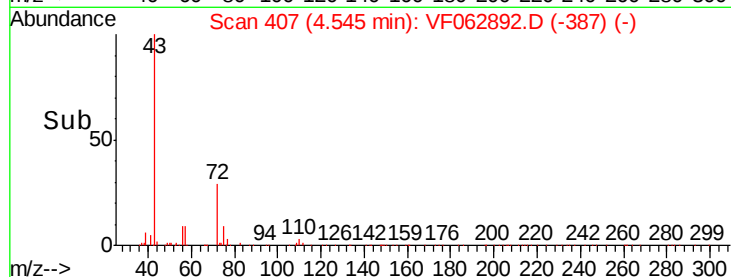
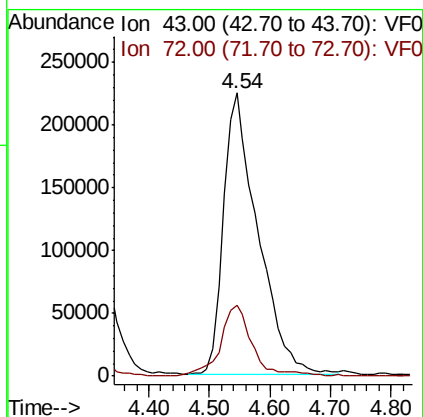
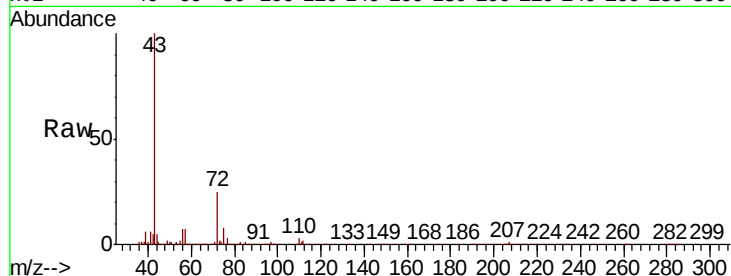




#25
2-Butanone
Concen: 278.029 ug/l
RT: 4.54 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

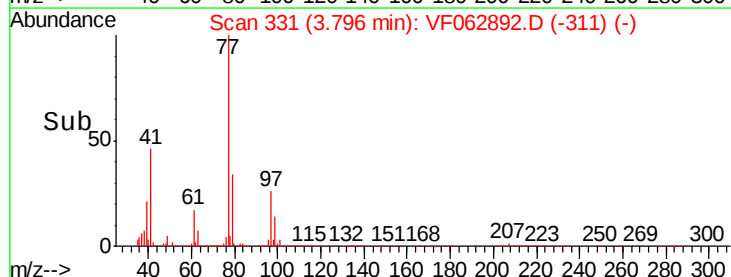
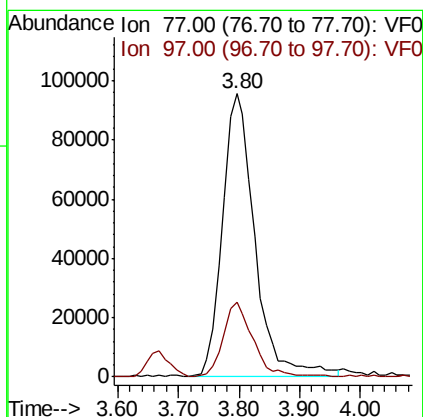
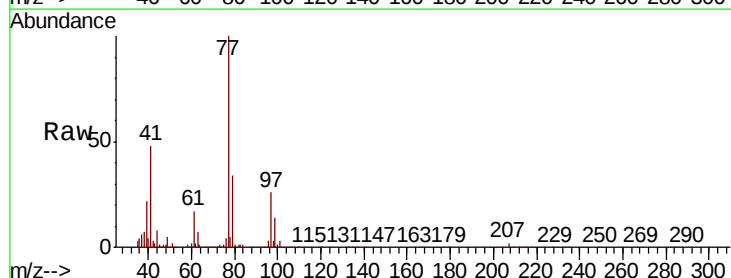
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

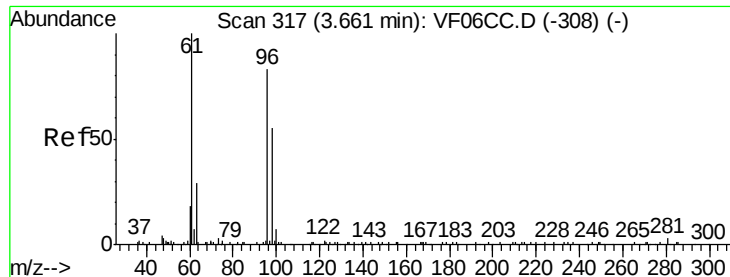
Tot Ion: 43 Resp: 878009
Ion Ratio Lower Upper
43 100
72 24.9 21.4 32.0



#26
2,2-Dichloropropane
Concen: 53.006 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 77 Resp: 352656
Ion Ratio Lower Upper
77 100
97 26.3 12.4 37.4



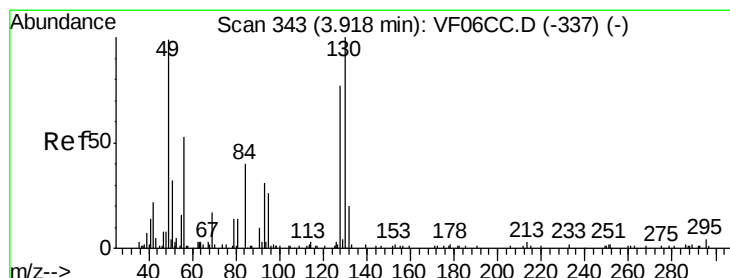
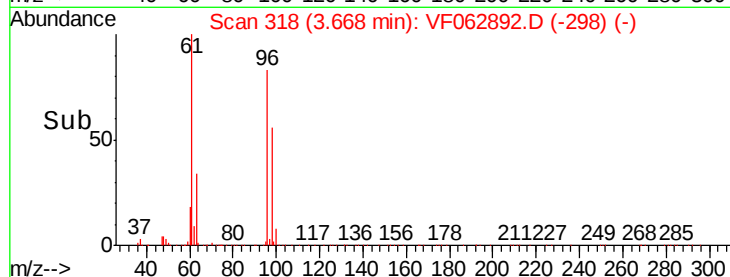
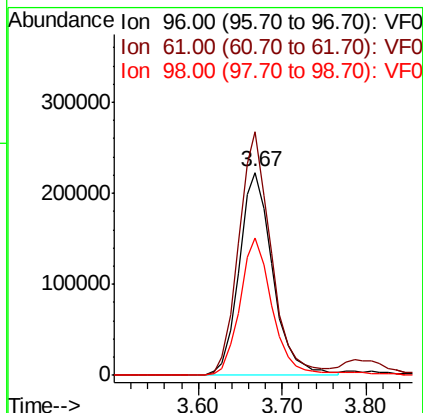
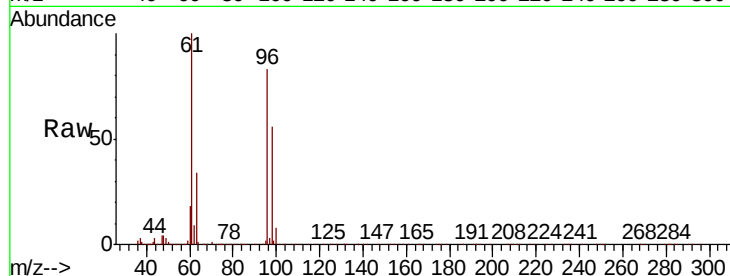


#27

cis-1,2-Dichloroethene
 Concen: 51.641 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

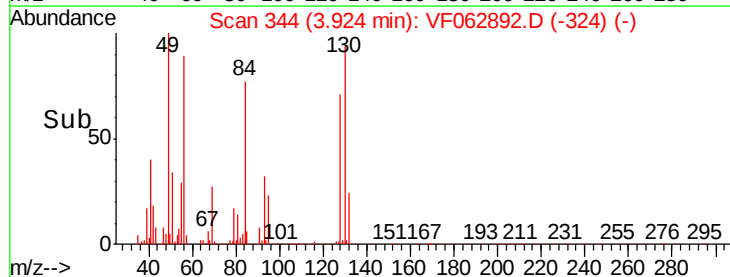
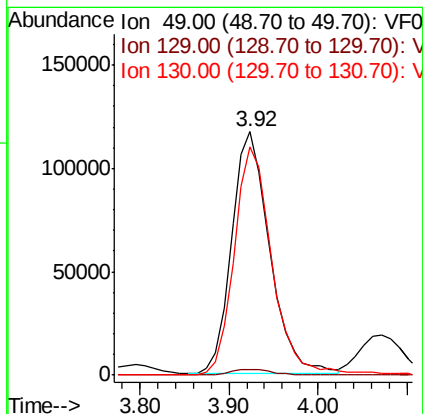
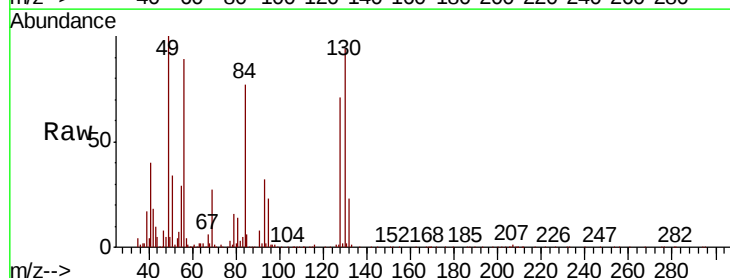
Tot Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	213.8
98	67.4	0.0	127.0

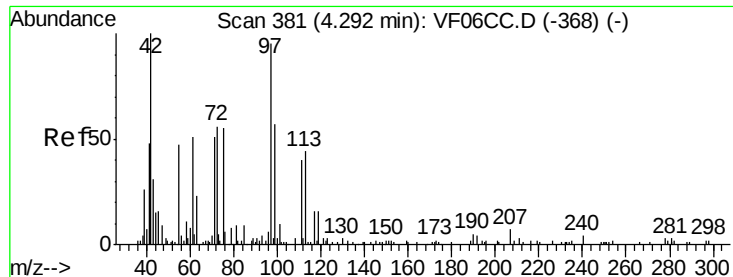


#28

Bromochloromethane
 Concen: 54.886 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.4
130	93.9	79.2	118.8

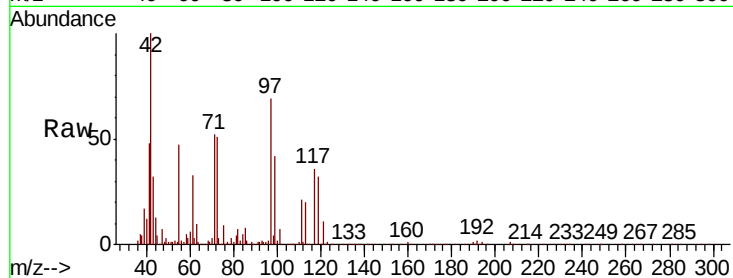




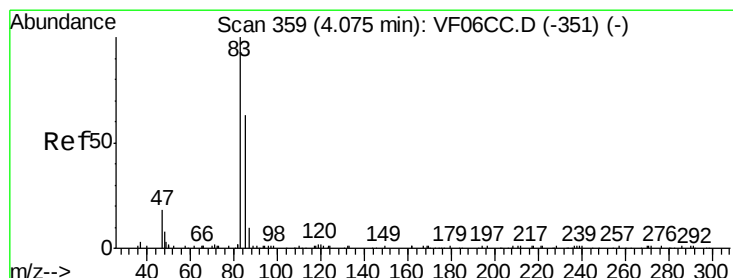
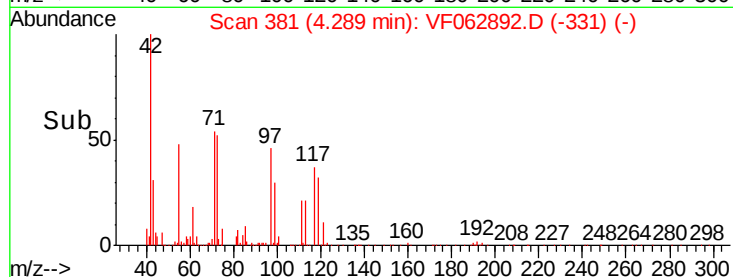
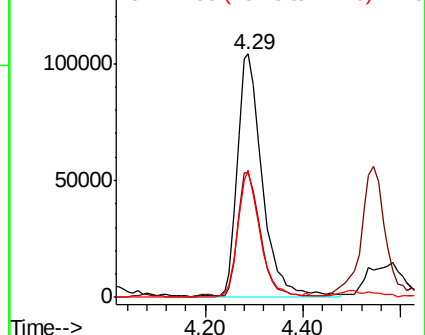
#29
Tetrahydrofuran
Concen: 304.478 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 367760
Ion Ratio Lower Upper
42 100
72 46.5 39.0 58.6
71 47.3 36.9 55.3

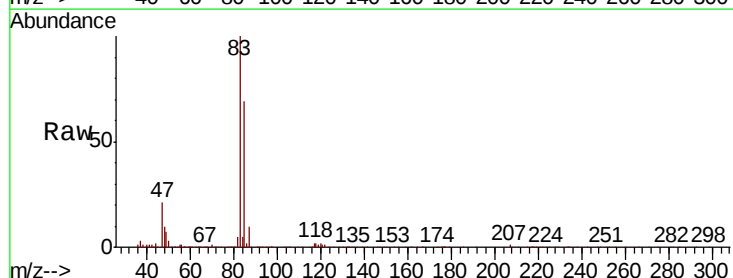


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

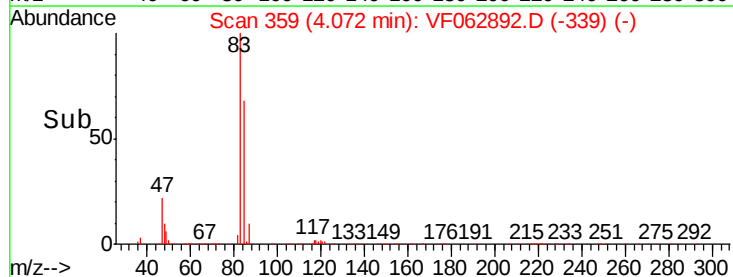
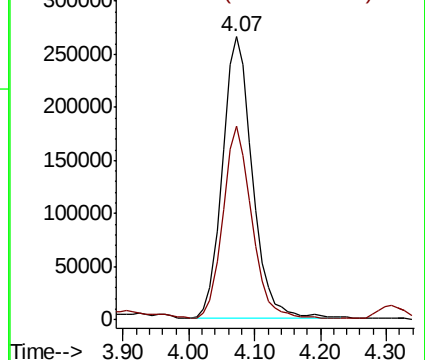


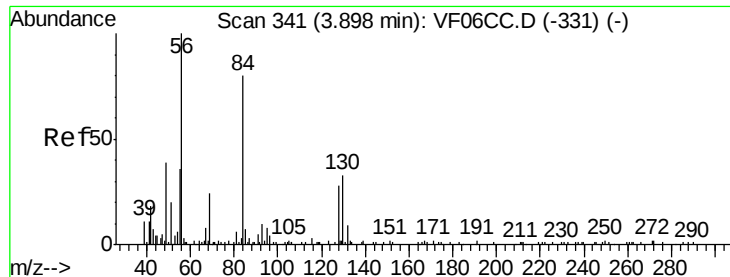
#30
Chloroform
Concen: 50.627 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 83 Resp: 836056
Ion Ratio Lower Upper
83 100
85 68.5 55.0 82.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

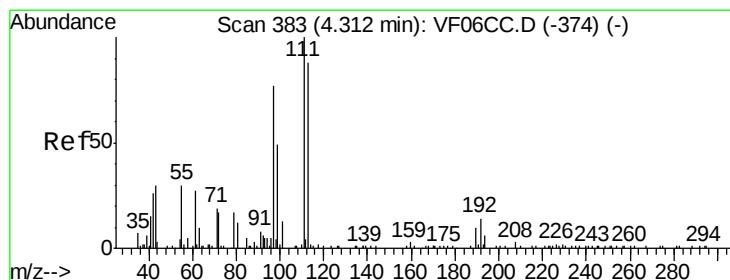
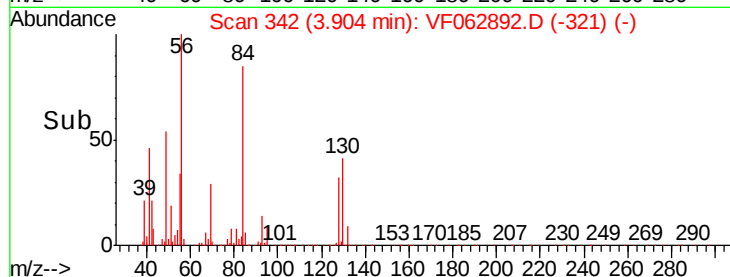
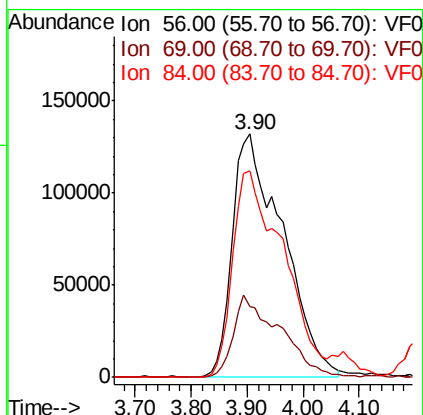
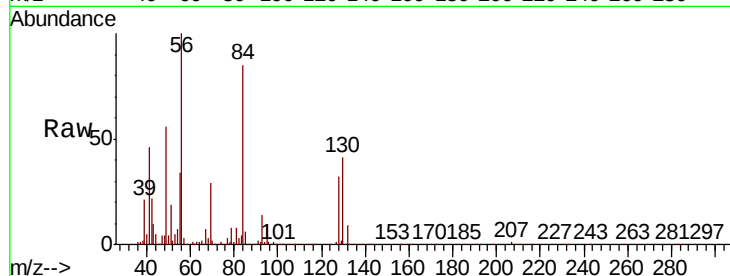




#31
Cyclohexane
Concen: 51.706 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

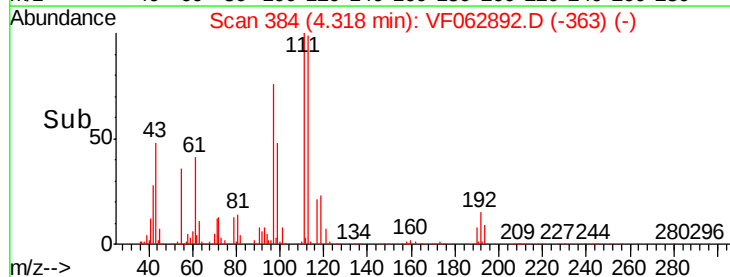
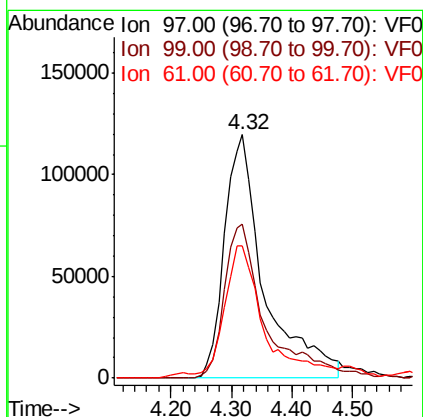
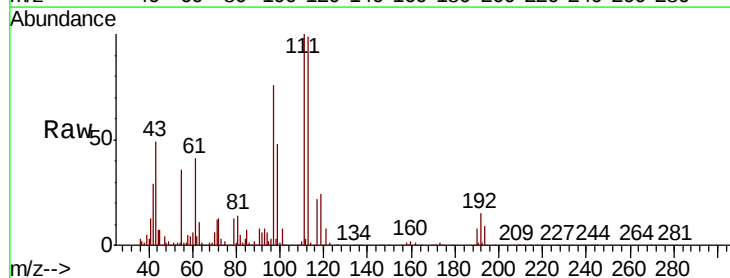
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

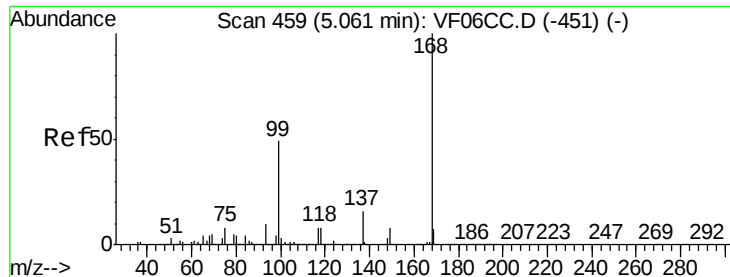
Tot Ion: 56 Resp: 820254
Ion Ratio Lower Upper
56 100
69 29.3 26.7 40.1
84 84.7 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 56.785 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 97 Resp: 545983
Ion Ratio Lower Upper
97 100
99 63.3 51.7 77.5
61 54.1 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 54.389 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

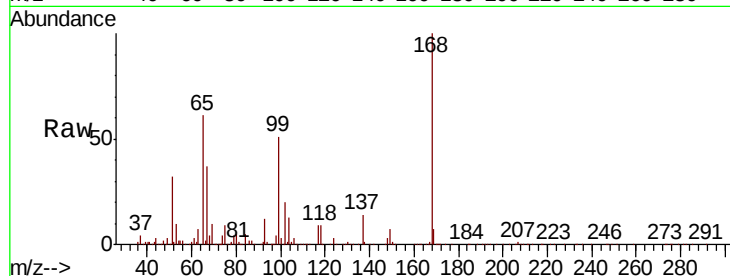
VSTDCCC050EC

Tot Ion: 65 Resp: 322250

Ion Ratio Lower Upper

65 100

67 60.6 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

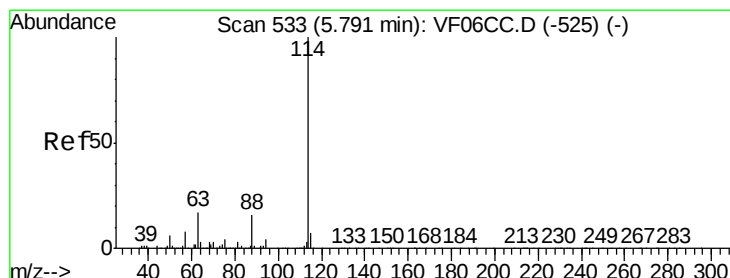
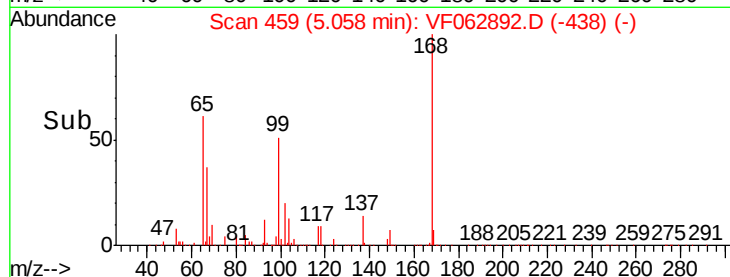
5.06

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

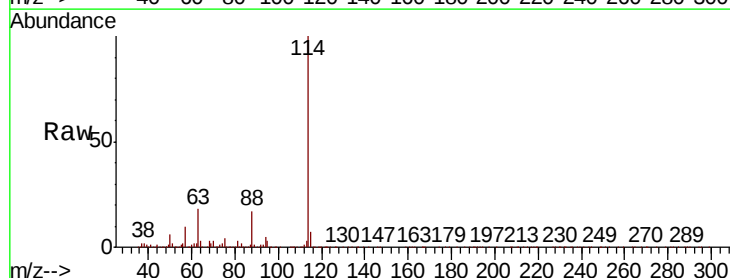
Tgt Ion:114 Resp: 1417991

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

88 16.7 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.80

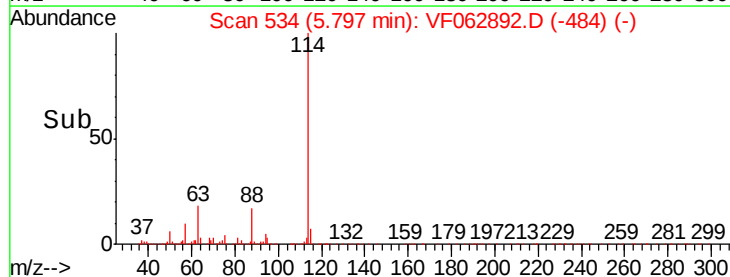
600000

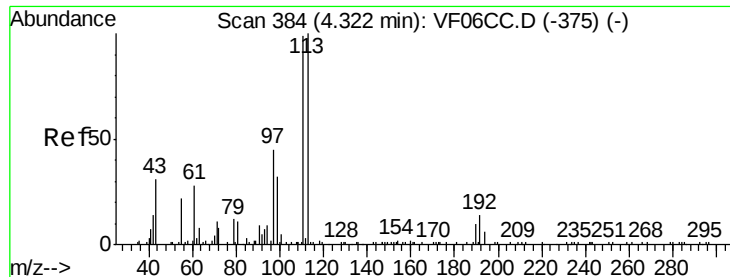
400000

200000

0

Time-->

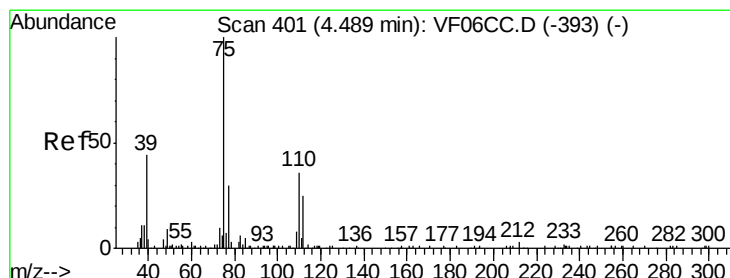
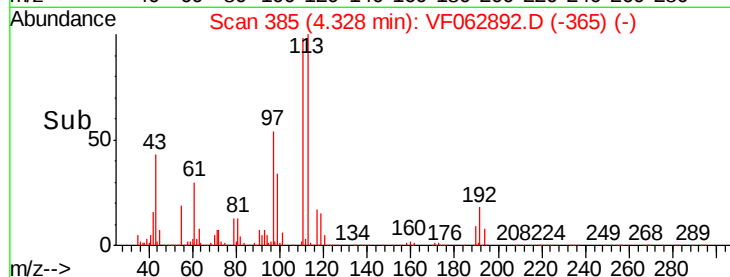
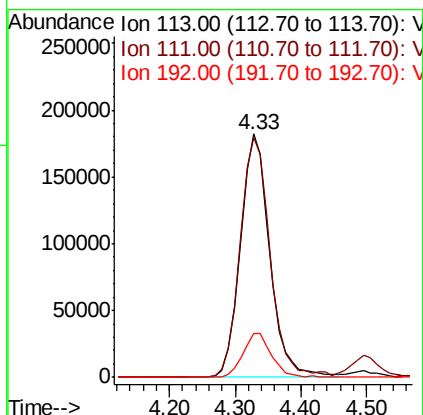
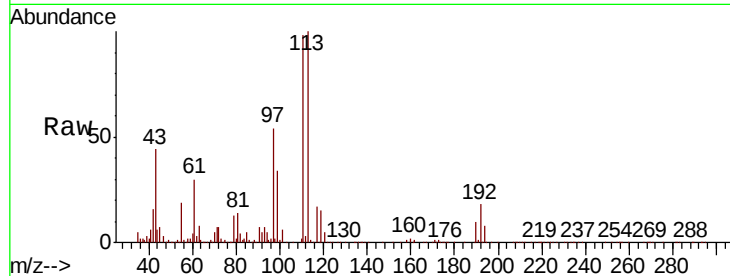




#35
 Dibromofluoromethane
 Concen: 53.138 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

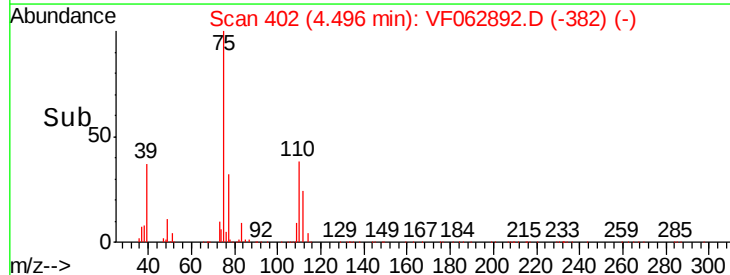
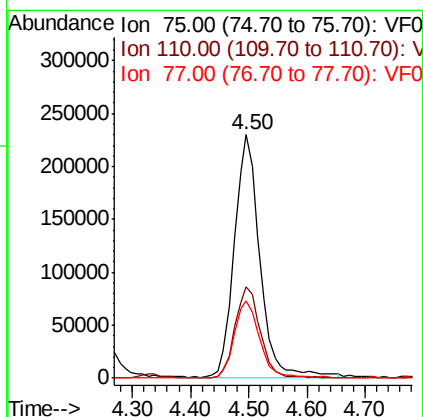
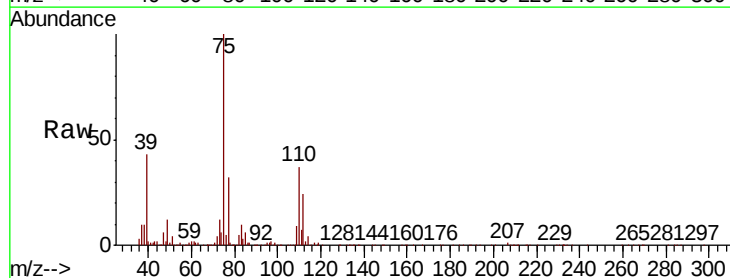
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

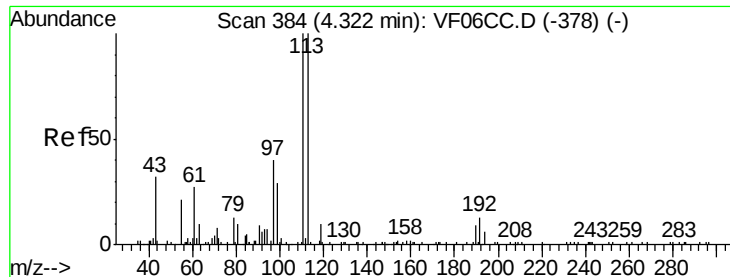
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.5	81.9	122.9
192	17.9	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 52.890 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	19.4	58.1
77	31.9	25.4	38.2





#37

Ethyl Acetate

Concen: 60.021 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

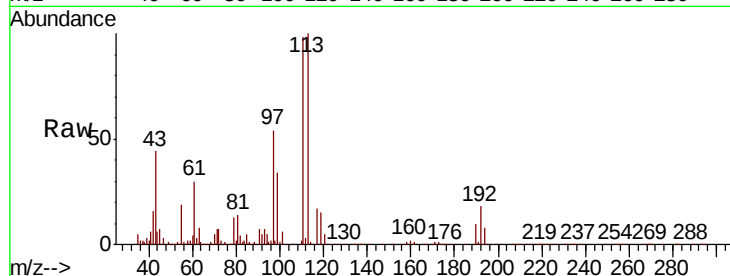
Tot Ion: 43 Resp: 299509

Ion Ratio Lower Upper

43 100

61 68.3 59.1 88.7

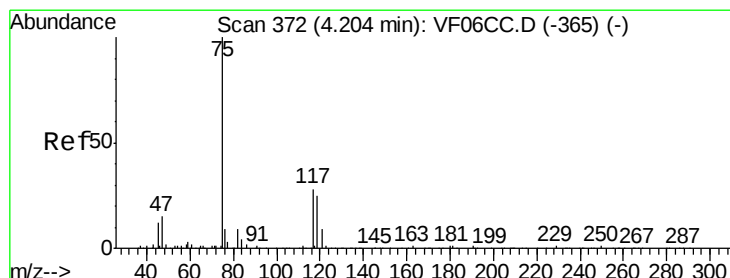
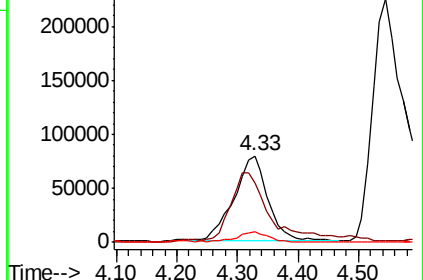
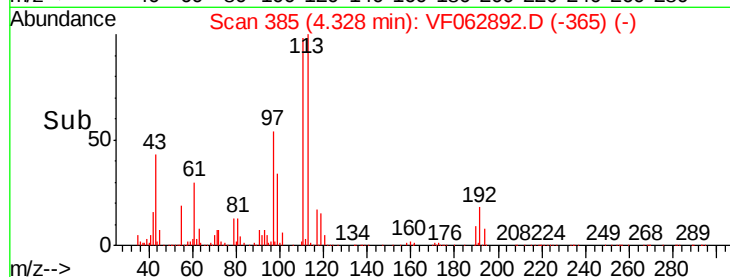
70 12.1 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 54.615 ug/l

RT: 4.21 min Scan# 373

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

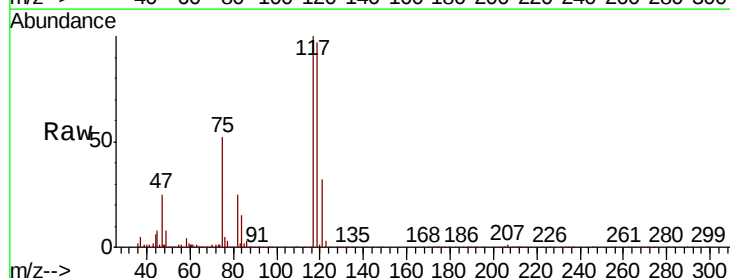
Tgt Ion: 117 Resp: 481828

Ion Ratio Lower Upper

117 100

119 96.9 78.2 117.2

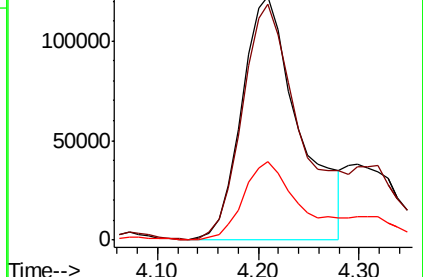
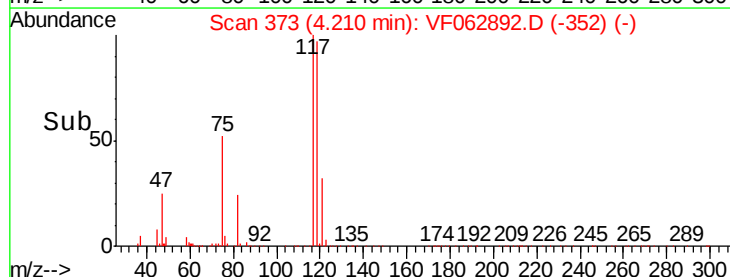
121 32.2 28.2 42.2

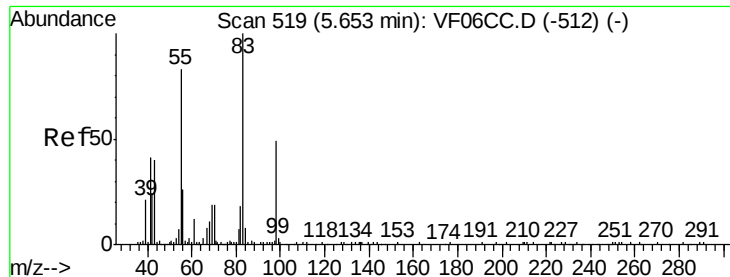


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

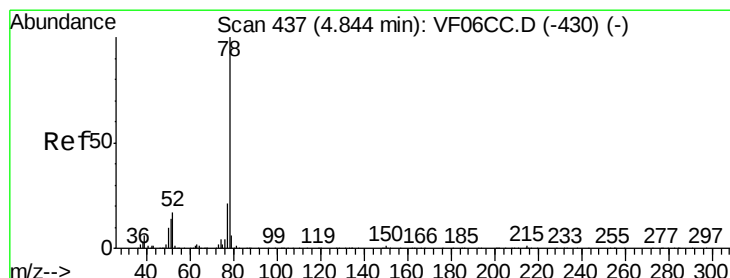
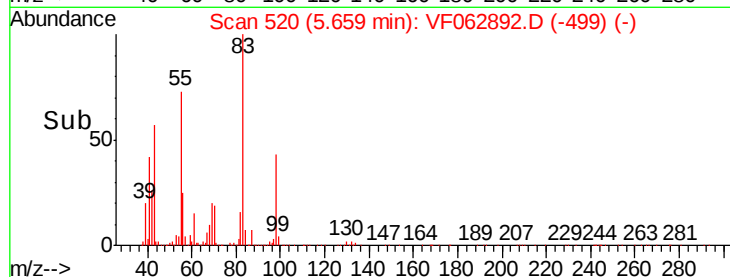
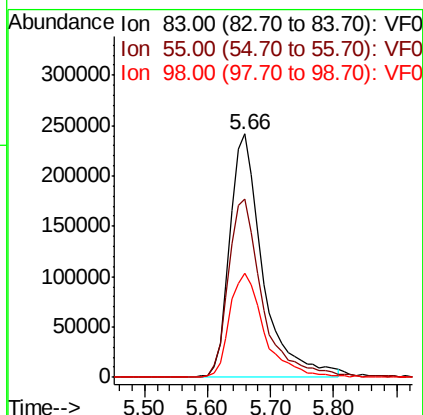
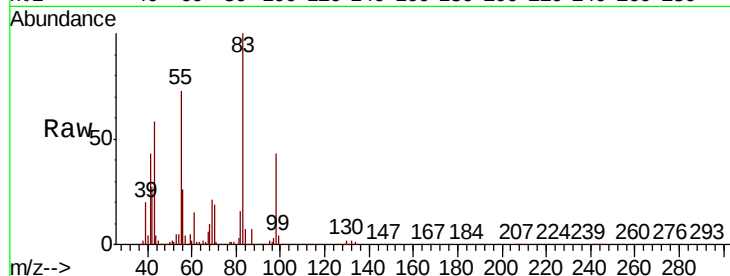




#39
Methvlcvclohexane
Concen: 53.752 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

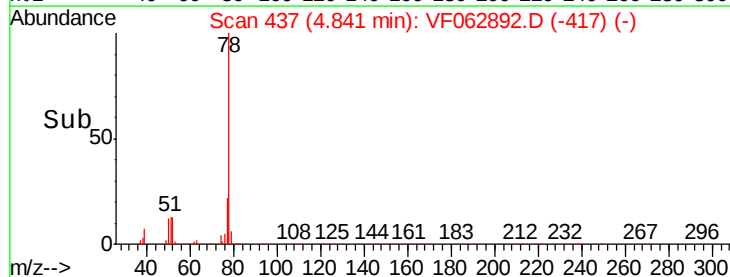
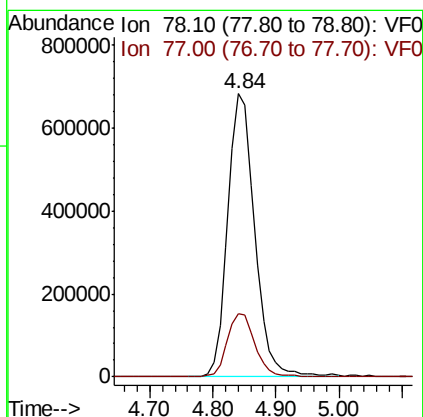
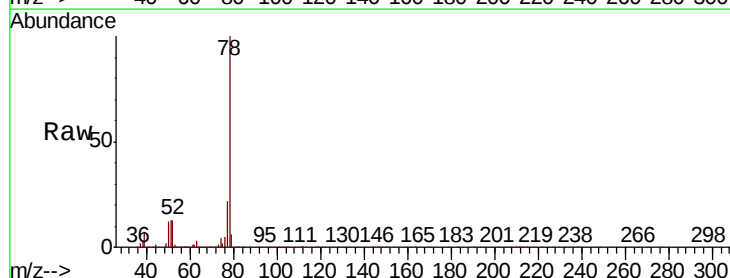
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

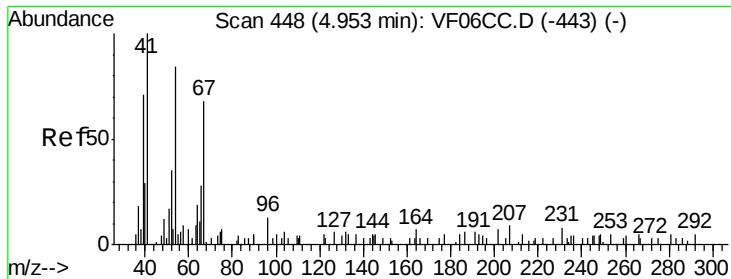
Tot Ion: 83 Resp: 873298
Ion Ratio Lower Upper
83 100
55 73.4 61.6 92.4
98 42.8 37.4 56.2



#40
Benzene
Concen: 53.351 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 78 Resp: 2026897
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3

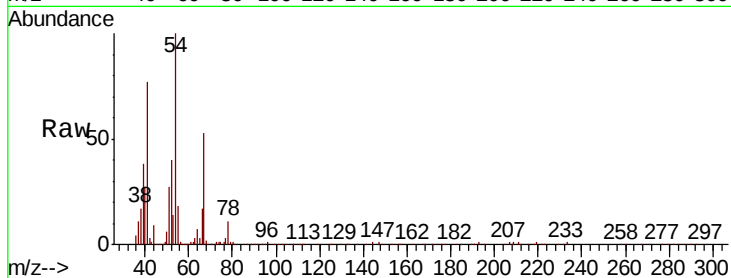




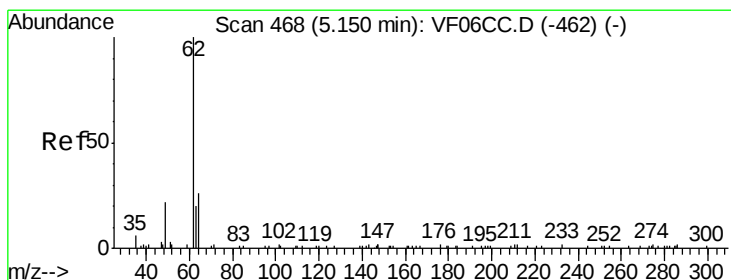
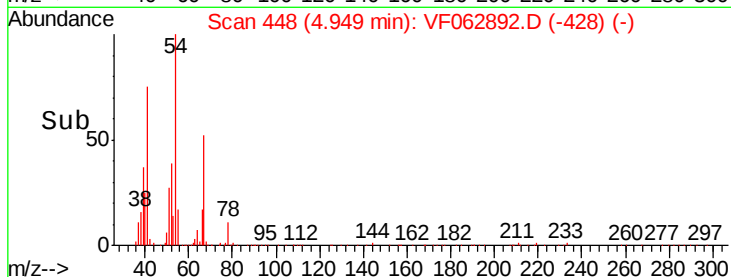
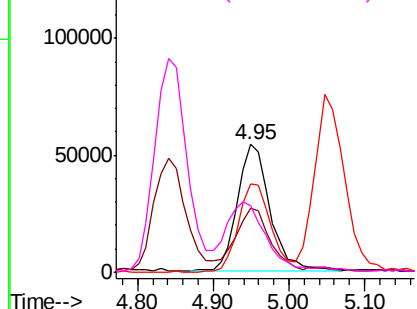
#41
Methacrylonitrile
Concen: 58.218 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	161501
Ion	Ratio	Lower	Upper
41	100		
39	50.1	42.0	63.0
67	68.6	61.4	92.0
52	52.1	42.1	63.1

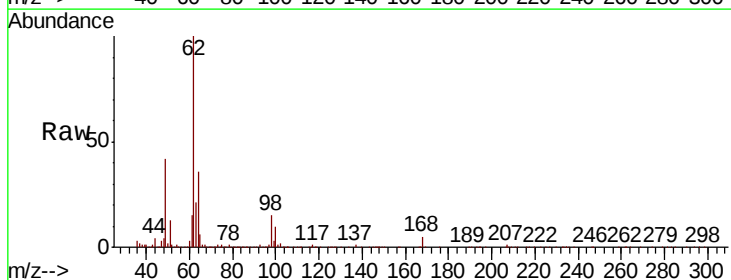


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

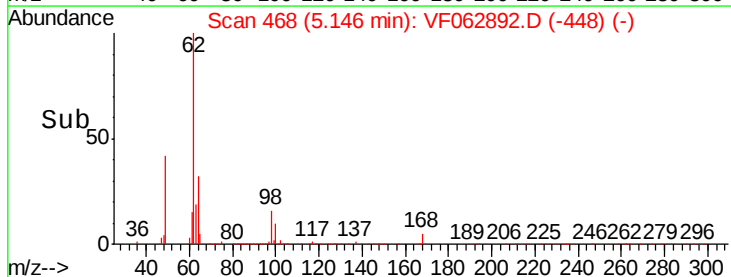
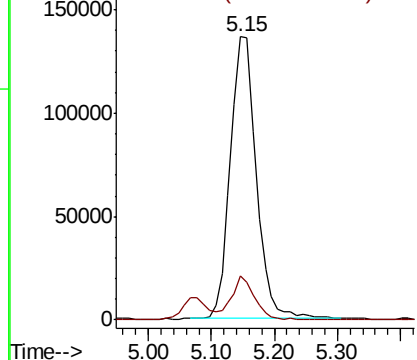


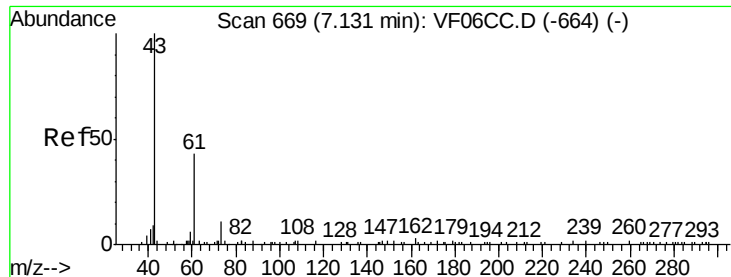
#42
1,2-Dichloroethane
Concen: 53.645 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:	62	Resp:	387625
Ion	Ratio	Lower	Upper
62	100		
98	15.5	0.0	24.0



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

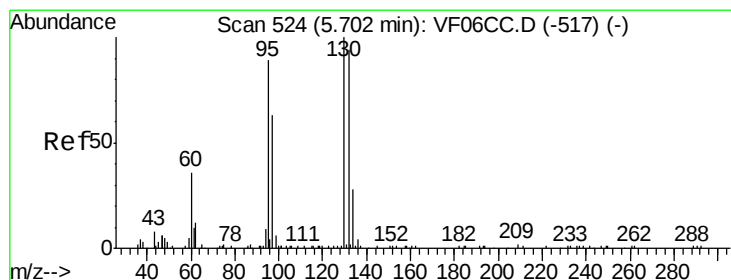
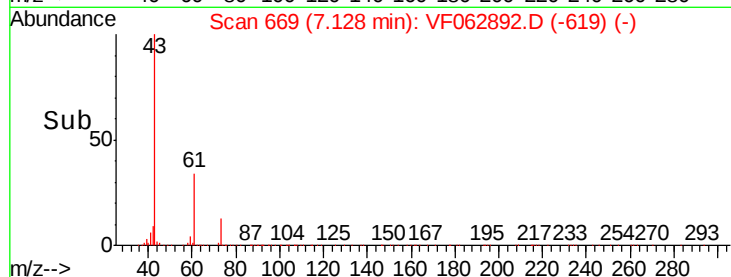
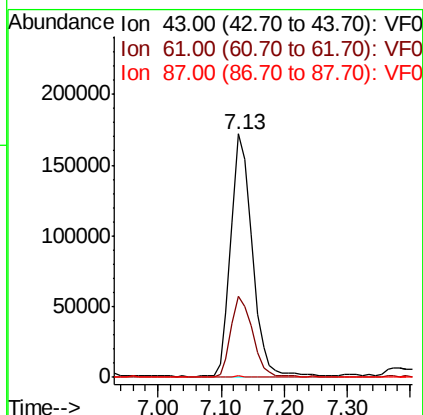
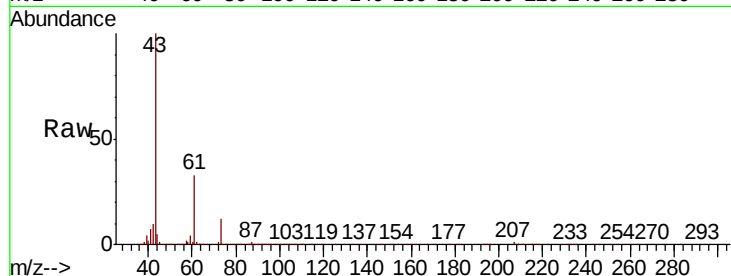




#43
Isopropyl Acetate
Concen: 61.557 ug/l
RT: 7.13 min Scan# 669
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

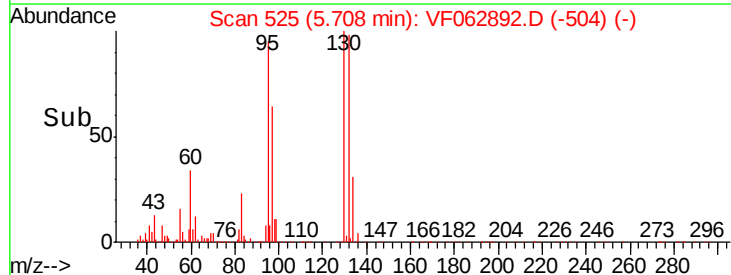
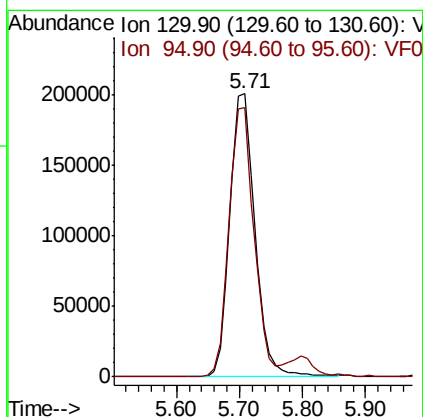
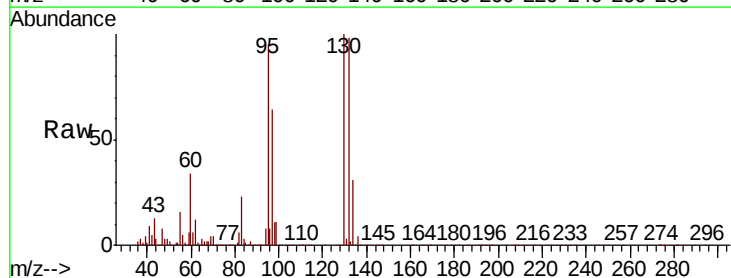
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

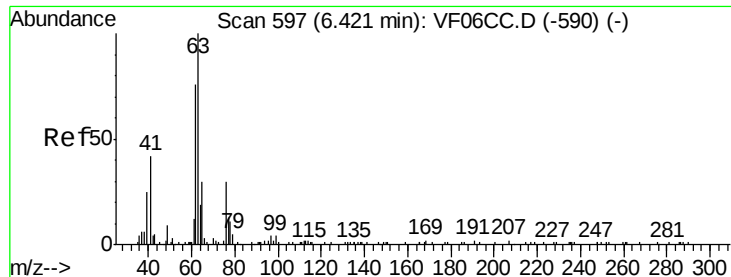
Tot Ion: 43 Resp: 405780
Ion Ratio Lower Upper
43 100
61 33.2 29.8 44.6
87 0.6 0.3 0.5#



#44
Trichloroethene
Concen: 51.685 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:130 Resp: 554167
Ion Ratio Lower Upper
130 100
95 95.1 0.0 188.2





#45

1,2-Dichloropropane

Concen: 55.439 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

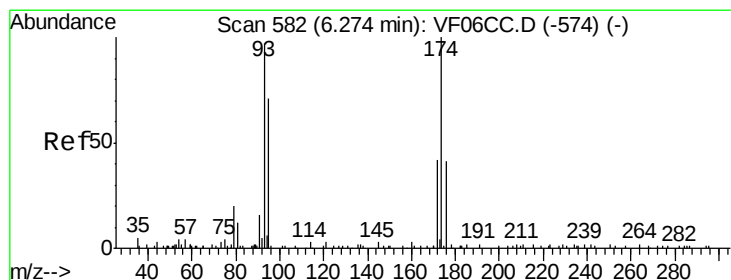
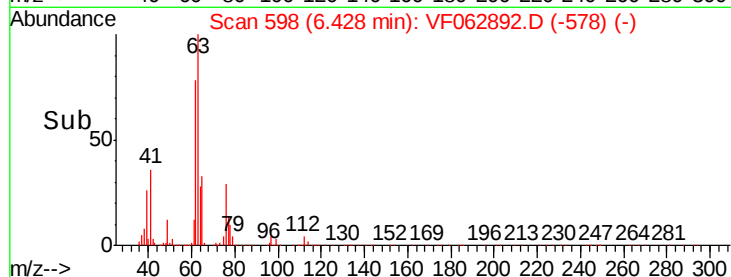
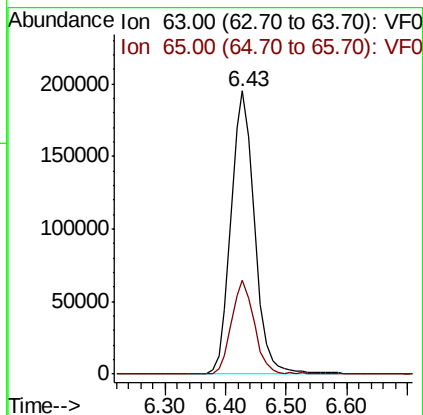
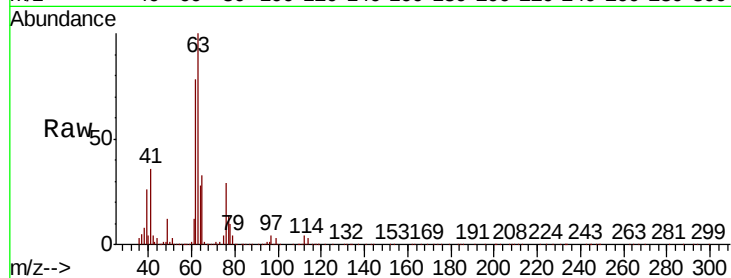
VSTDCCC050EC

Tot Ion: 63 Resp: 528550

Ion Ratio Lower Upper

63 100

65 33.0 24.2 36.2



#46

Dibromomethane

Concen: 55.639 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

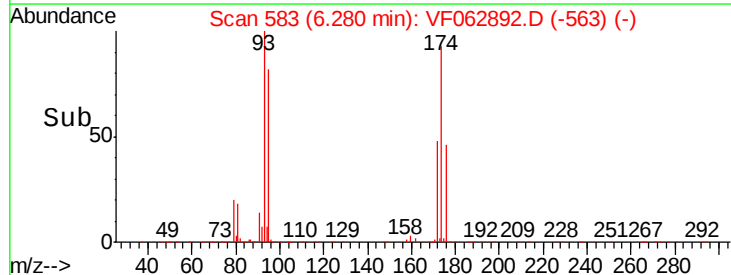
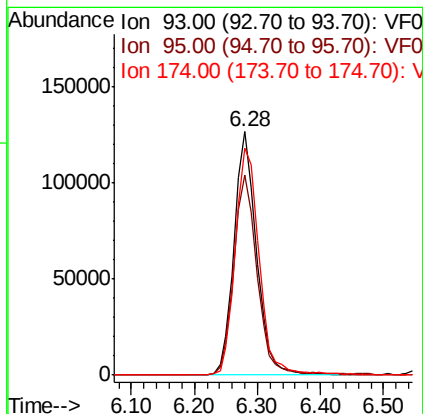
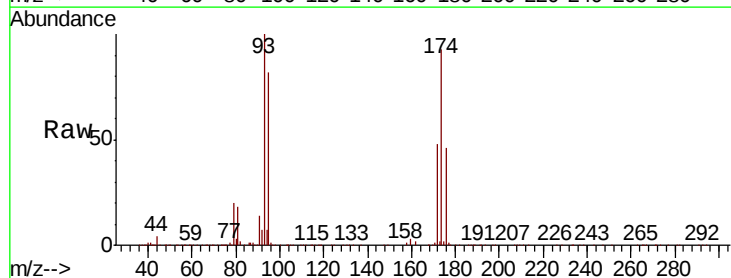
Tgt Ion: 93 Resp: 309701

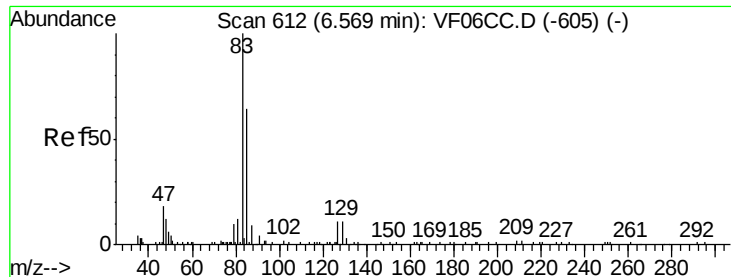
Ion Ratio Lower Upper

93 100

95 82.4 67.9 101.9

174 94.9 85.0 127.4





#47

Bromodichloromethane

Concen: 53.636 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

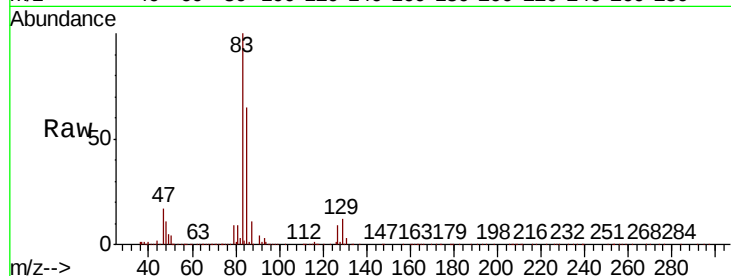
Tot Ion: 83 Resp: 608021

Ion Ratio Lower Upper

83 100

85 64.5 54.2 81.4

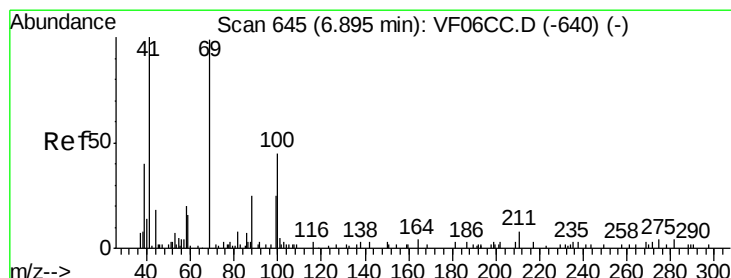
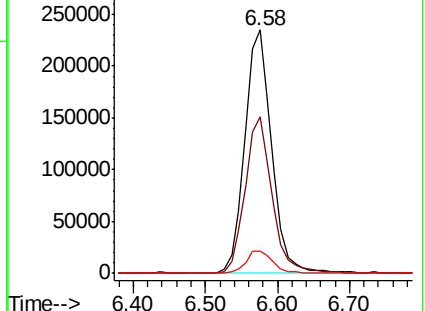
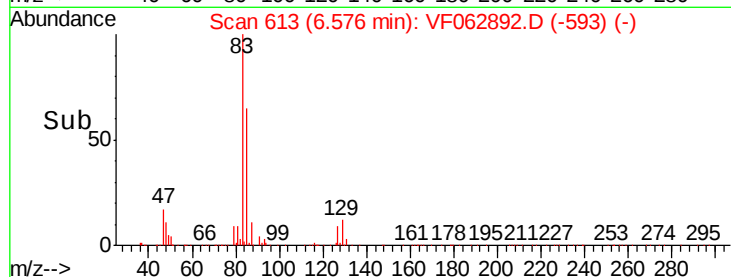
127 8.9 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 59.497 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

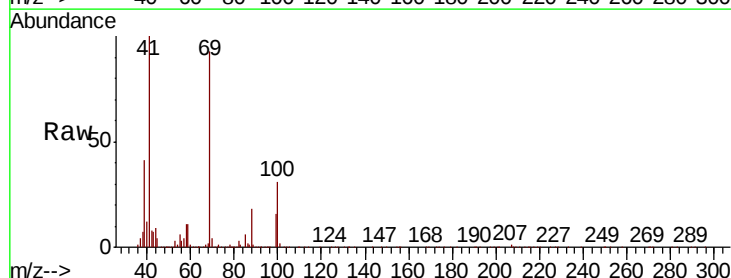
Tgt Ion: 41 Resp: 202126

Ion Ratio Lower Upper

41 100

69 93.3 79.4 119.2

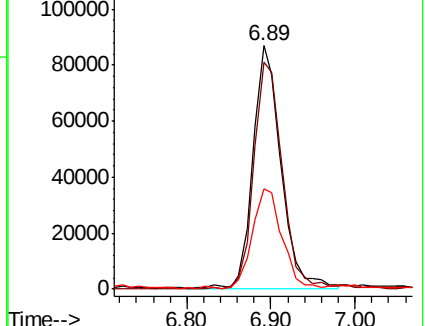
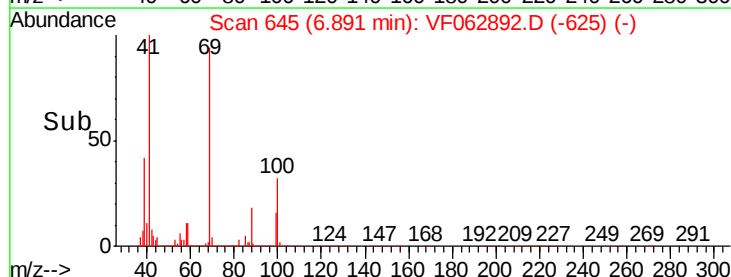
39 41.4 39.8 59.6

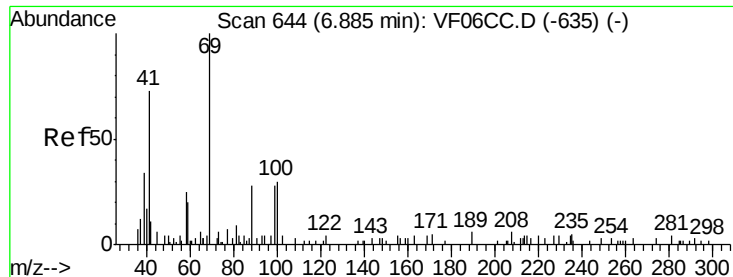


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1300.287 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

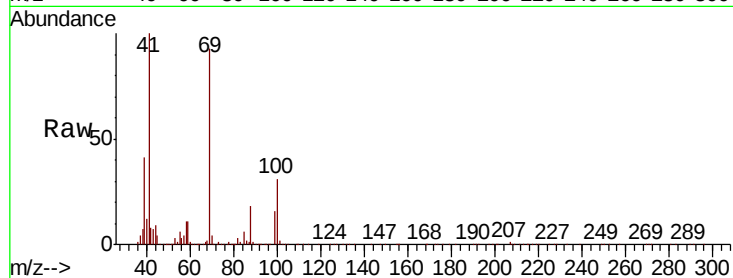
Tot Ion: 88 Resp: 58226

Ion Ratio Lower Upper

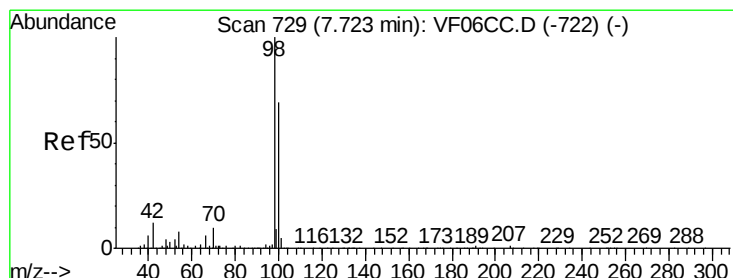
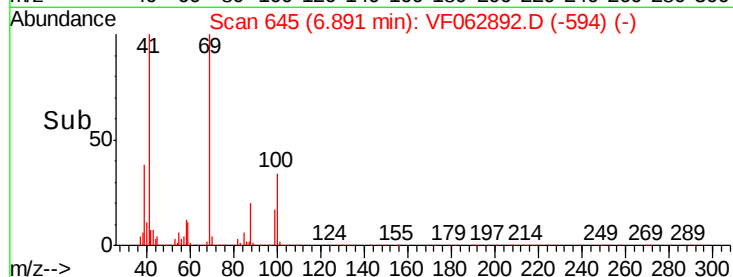
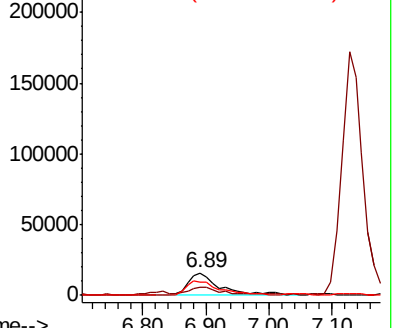
88 100

43 35.7 34.8 52.2

58 60.9 59.9 89.9



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: 51.804 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062892.D

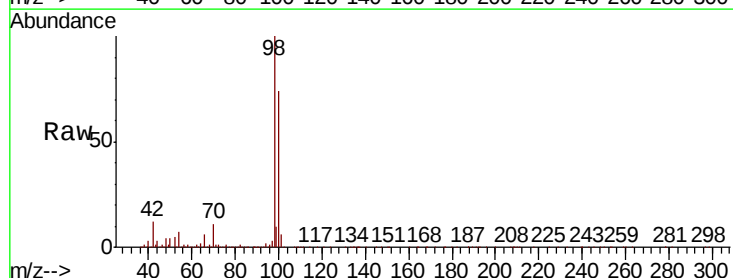
Acq: 6 Jun 2019 19:43

Tgt Ion: 98 Resp: 1403674

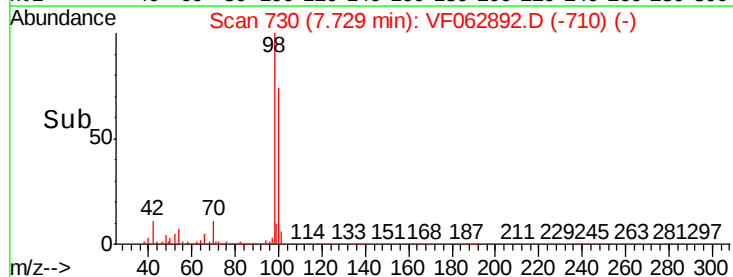
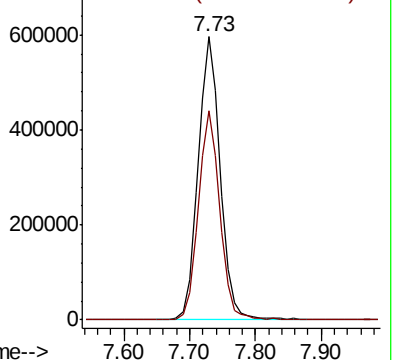
Ion Ratio Lower Upper

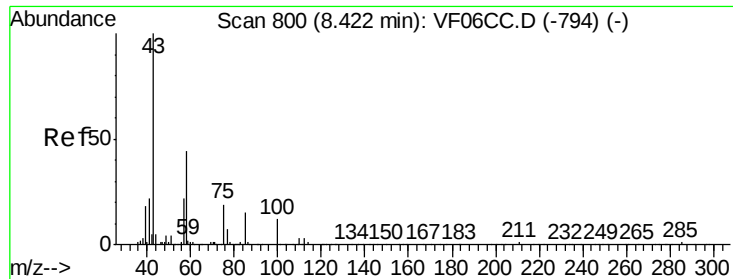
98 100

100 73.8 59.8 89.8



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: 295.100 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

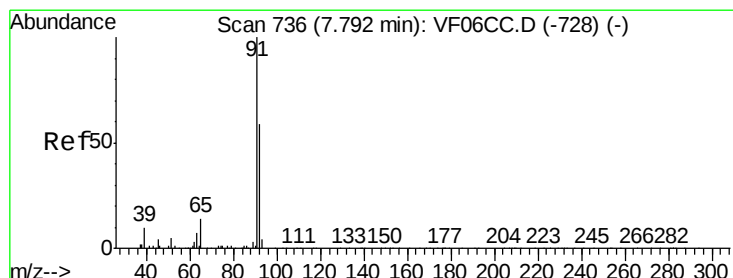
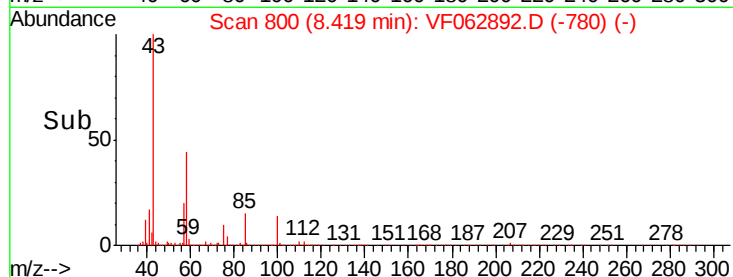
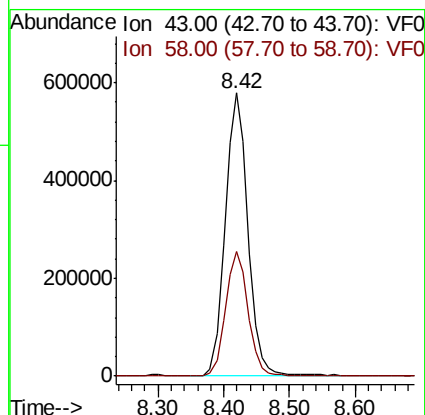
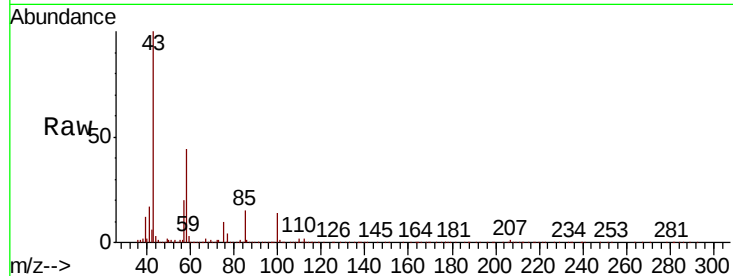
VSTDCCC050EC

Tot Ion: 43 Resp: 1388806

Ion Ratio Lower Upper

43 100

58 44.0 35.5 53.3



#52

Toluene

Concen: 54.252 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062892.D

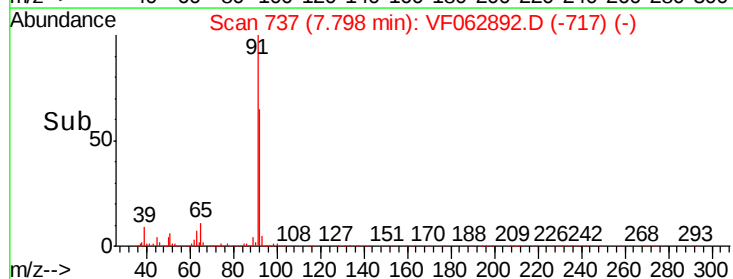
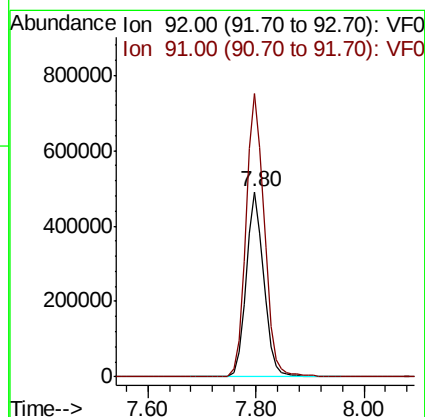
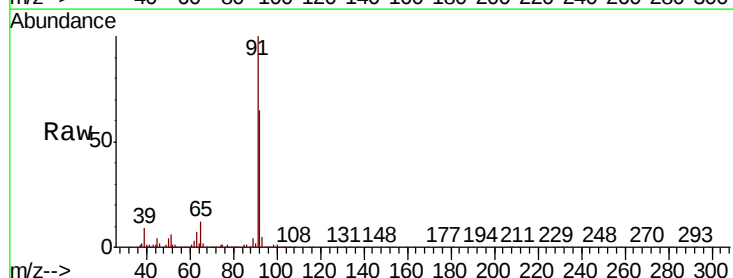
Acq: 6 Jun 2019 19:43

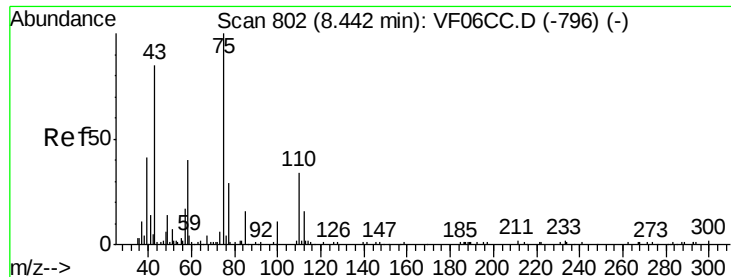
Tgt Ion: 92 Resp: 1110147

Ion Ratio Lower Upper

92 100

91 153.0 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 53.249 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

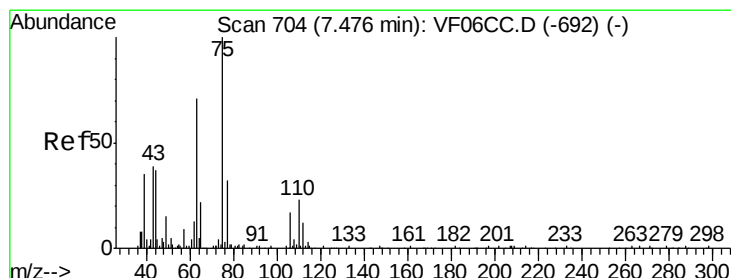
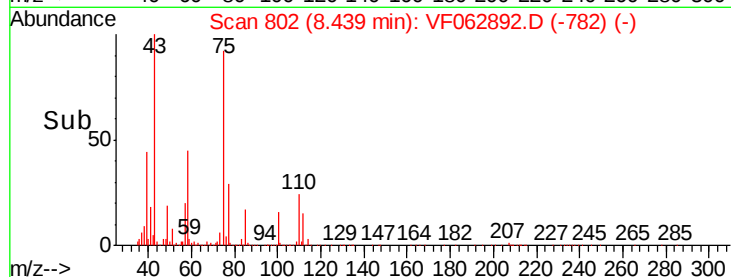
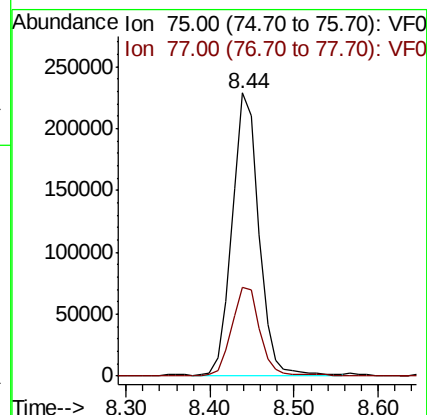
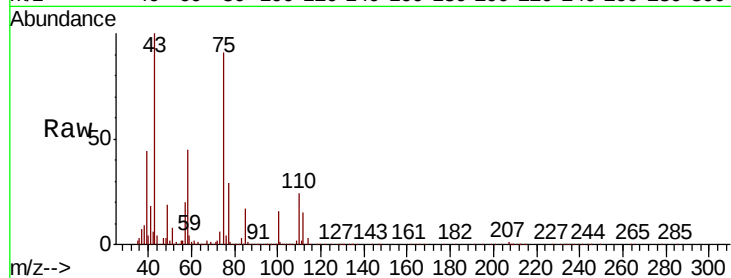
VSTDCCC050EC

Tot Ion: 75 Resp: 500199

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 53.246 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

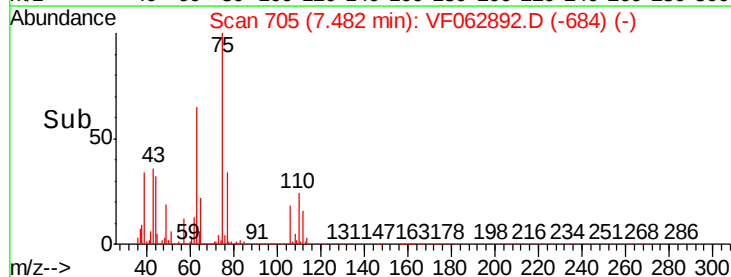
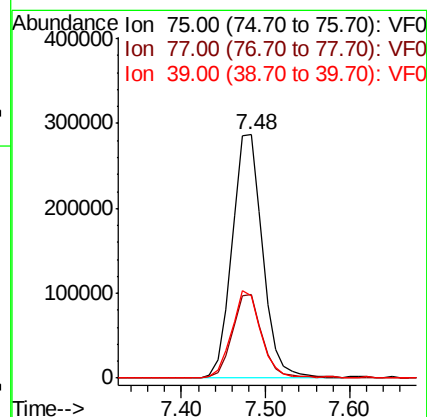
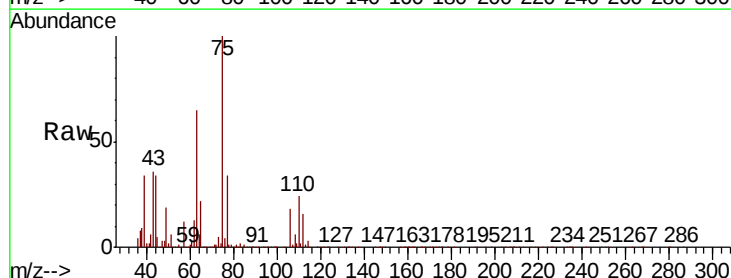
Tgt Ion: 75 Resp: 724005

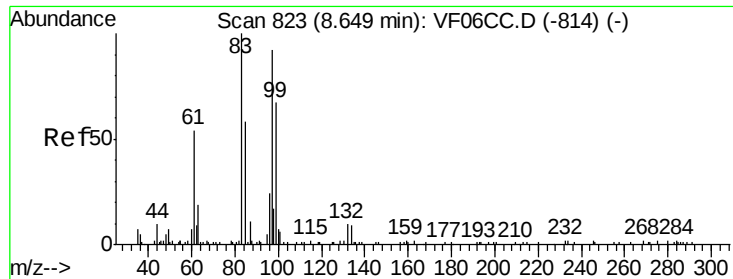
Ion Ratio Lower Upper

75 100

77 34.5 25.8 38.8

39 34.1 28.4 42.6

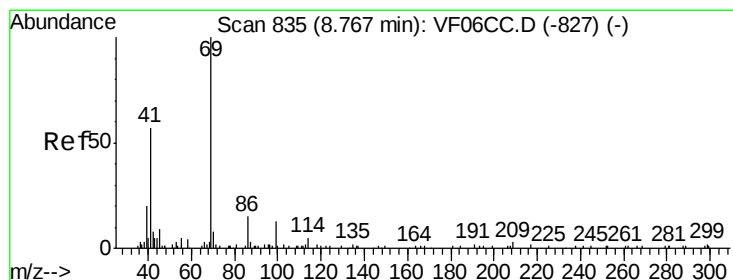
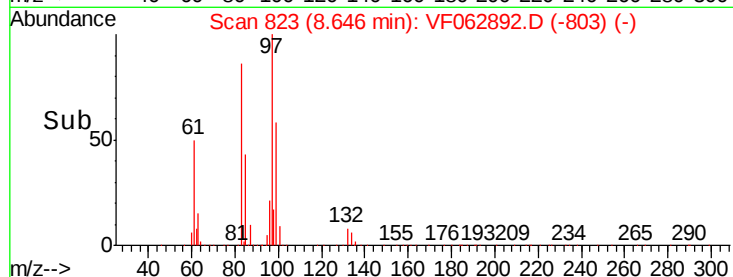
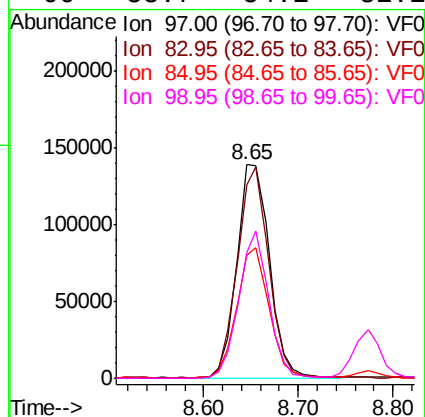
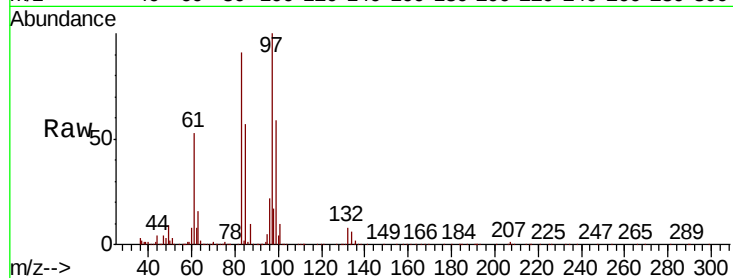




#55
1,1,2-Trichloroethane
Concen: 54.295 ug/l
RT: 8.65 min Scan# 823
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

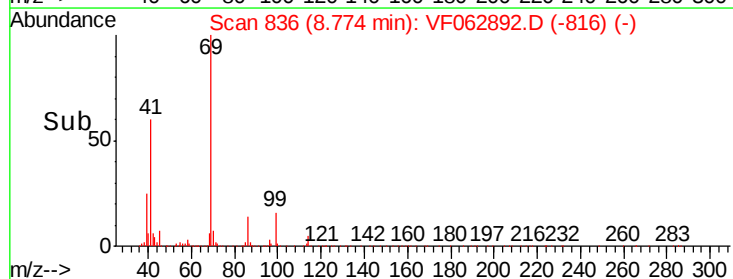
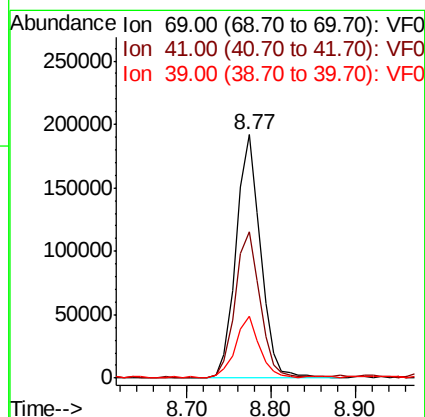
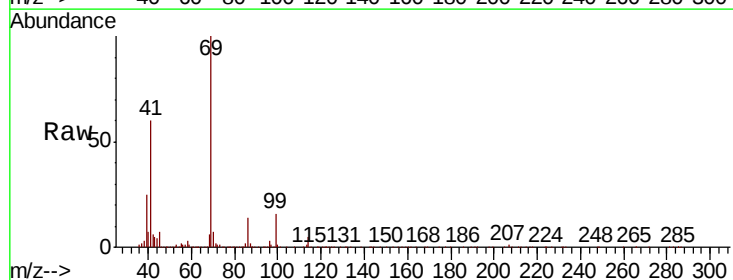
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

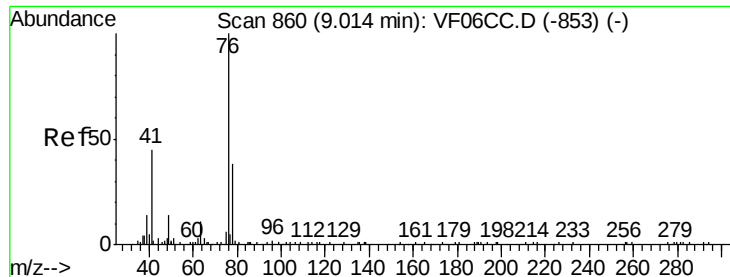
Tot Ion:	97	Resp:	331915
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.0	108.0
85	57.4	47.5	71.3
99	58.7	54.1	81.1



#56
Ethyl methacrylate
Concen: 59.378 ug/l
RT: 8.77 min Scan# 836
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:	69	Resp:	389475
Ion	Ratio	Lower	Upper
69	100		
41	60.2	46.6	69.8
39	25.5	19.6	29.4





#57

1,3-Dichloropropane

Concen: 56.461 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

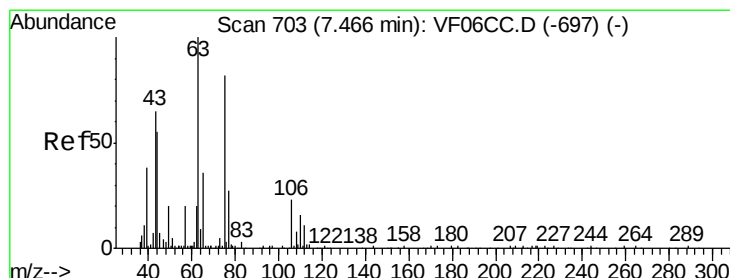
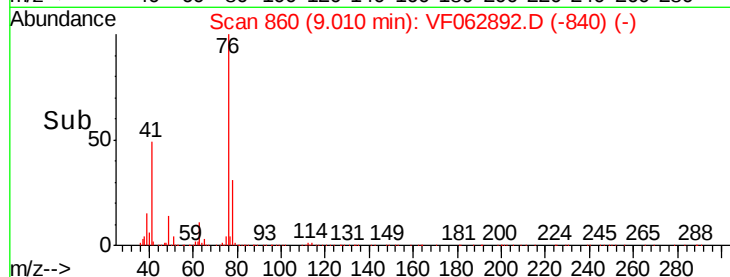
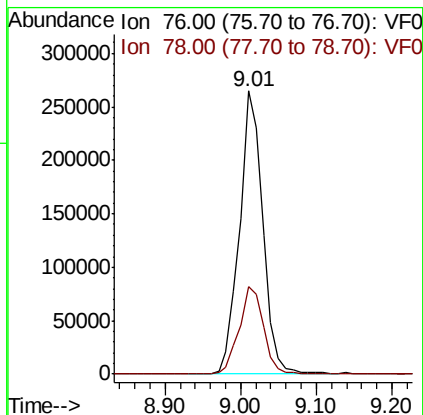
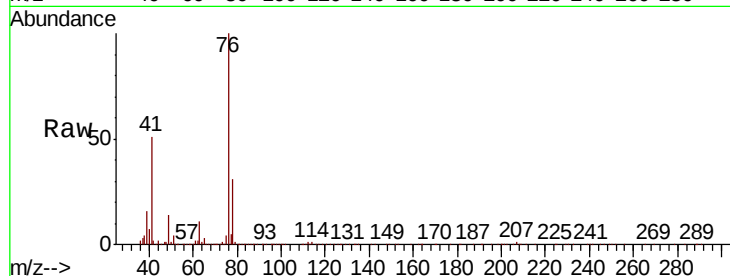
VSTDCCC050EC

Tot Ion: 76 Resp: 563647

Ion Ratio Lower Upper

76 100

78 31.0 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 321.904 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062892.D

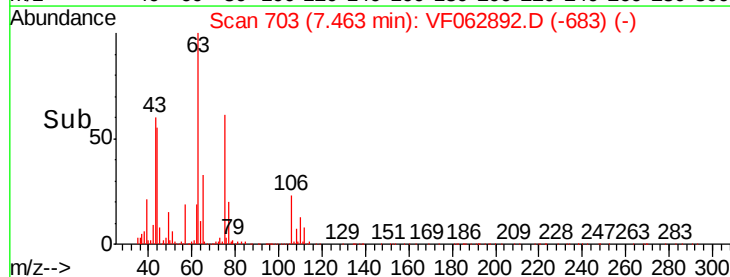
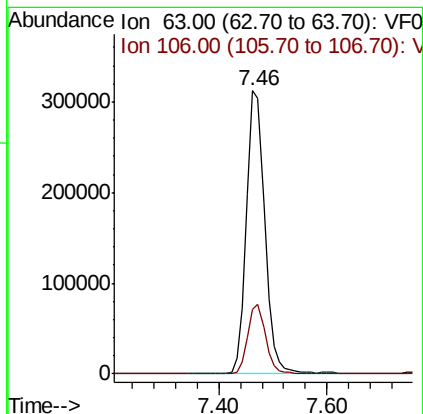
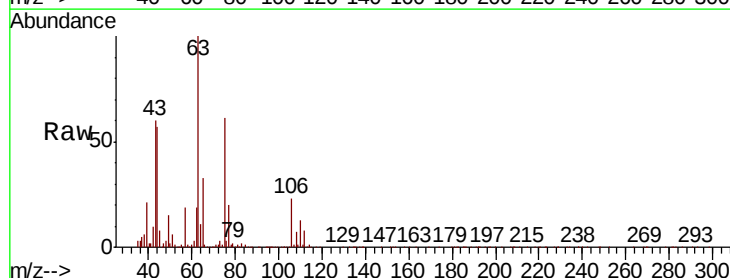
Acq: 6 Jun 2019 19:43

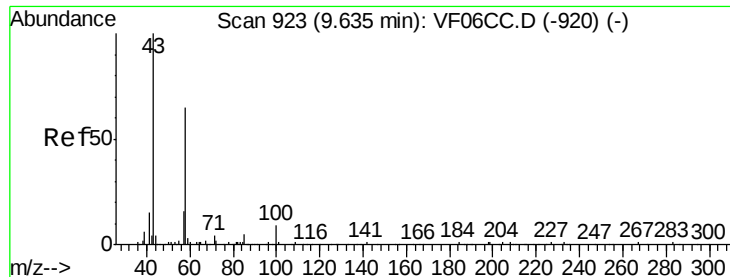
Tgt Ion: 63 Resp: 737934

Ion Ratio Lower Upper

63 100

106 22.7 19.5 29.3

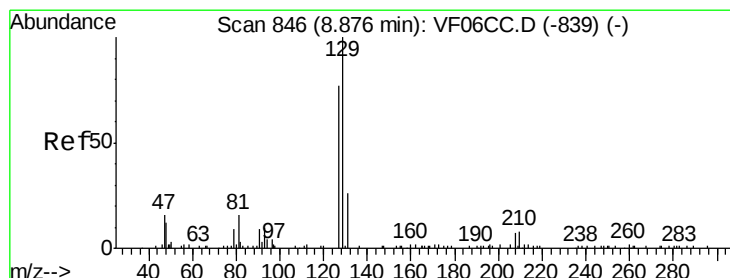
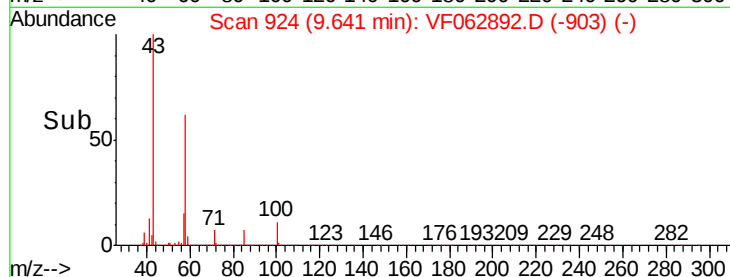
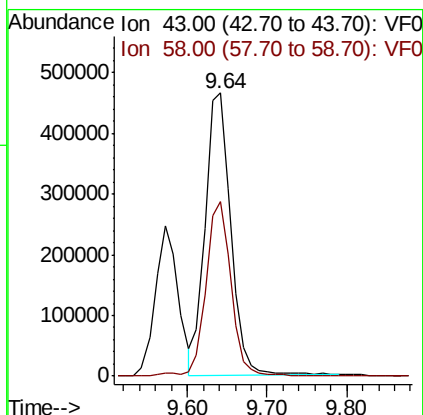
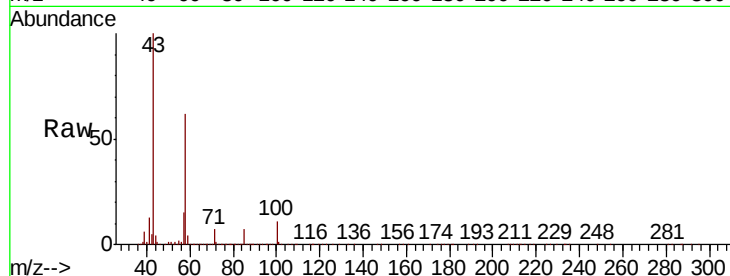




#59
2-Hexanone
Concen: 311.612 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

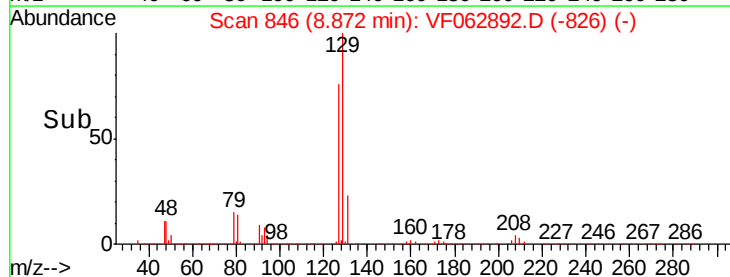
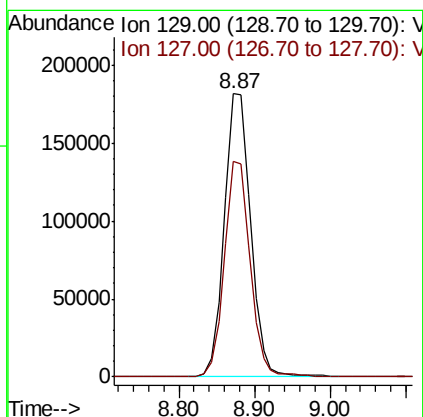
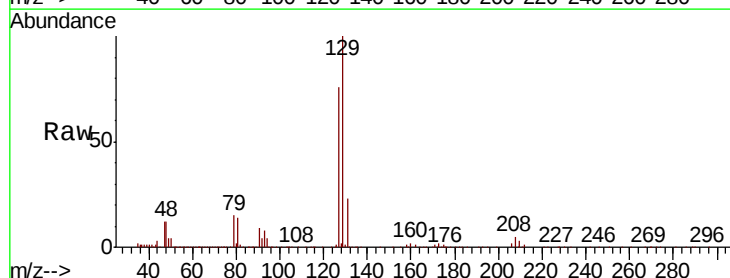
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

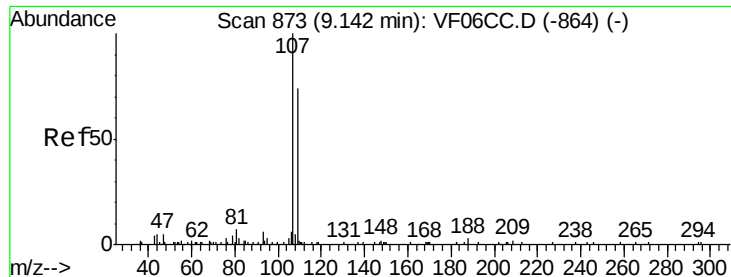
Tot Ion: 43 Resp: 1045286
Ion Ratio Lower Upper
43 100
58 61.6 29.3 87.9



#60
Dibromochloromethane
Concen: 57.892 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:129 Resp: 438158
Ion Ratio Lower Upper
129 100
127 76.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 59.414 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

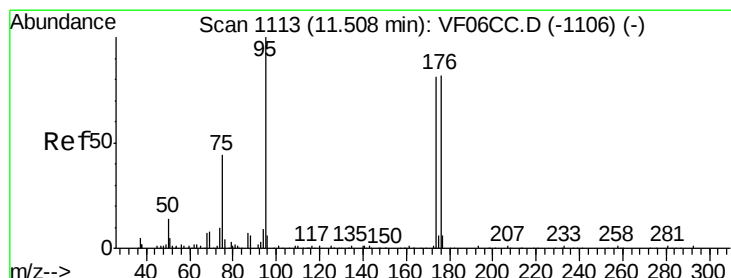
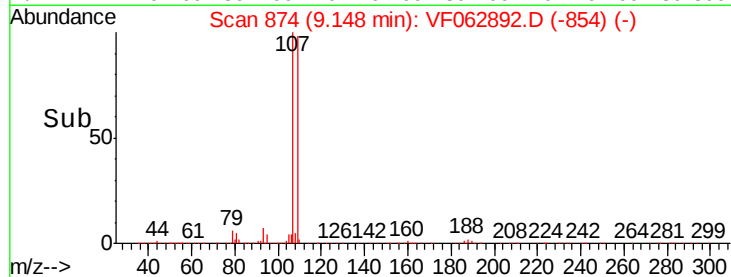
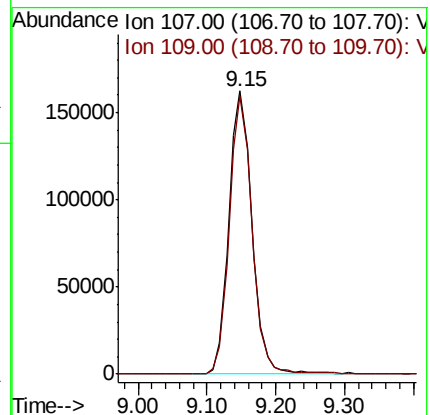
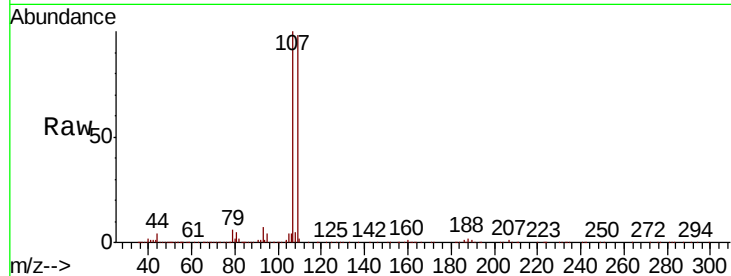
VSTDCCC050EC

Tot Ion:107 Resp: 377216

Ion Ratio Lower Upper

107 100

109 98.3 78.1 117.1



#62

4-Bromofluorobenzene

Concen: 56.373 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

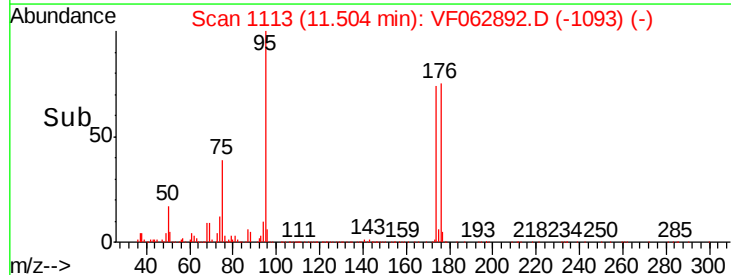
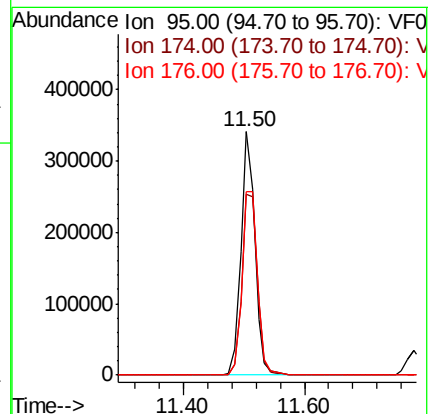
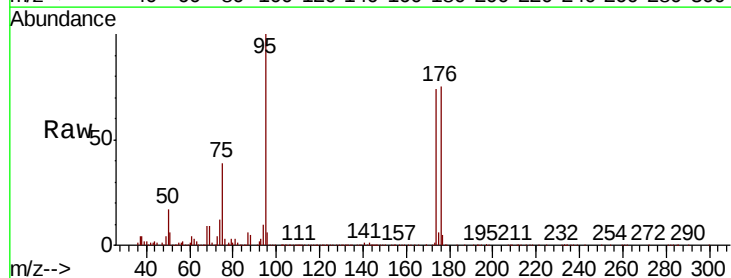
Tgt Ion: 95 Resp: 549452

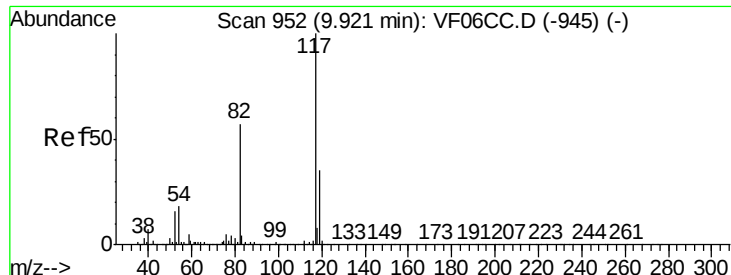
Ion Ratio Lower Upper

95 100

174 74.1 0.0 170.6

176 75.2 0.0 170.6

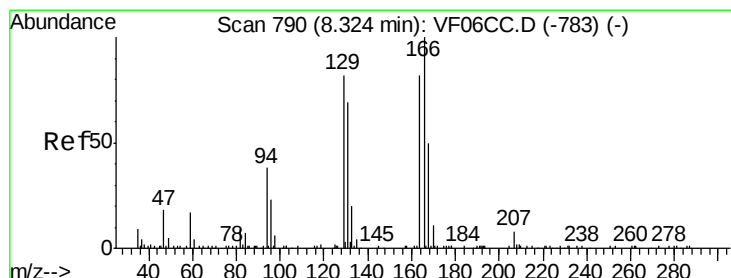
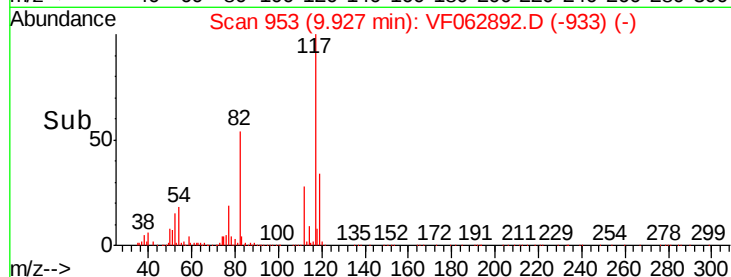
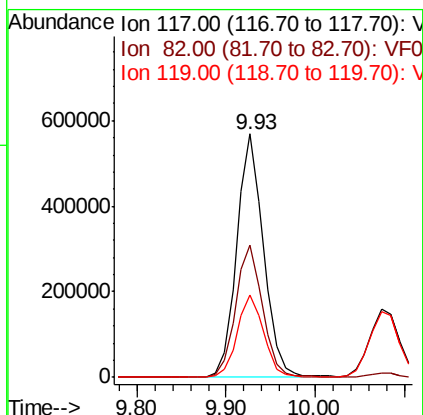
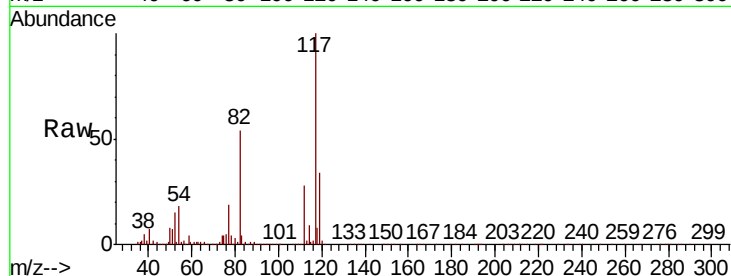




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

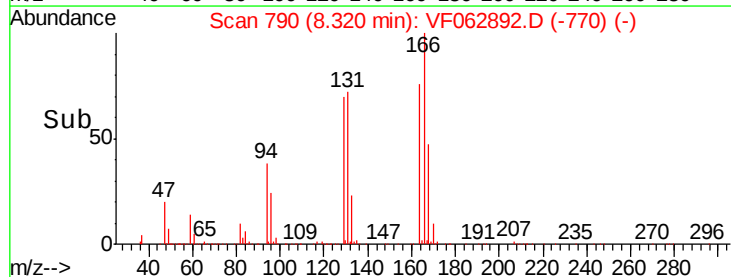
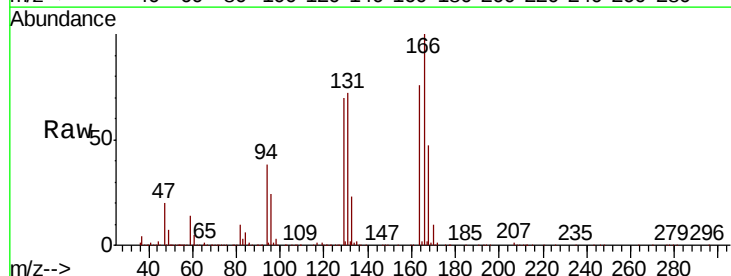
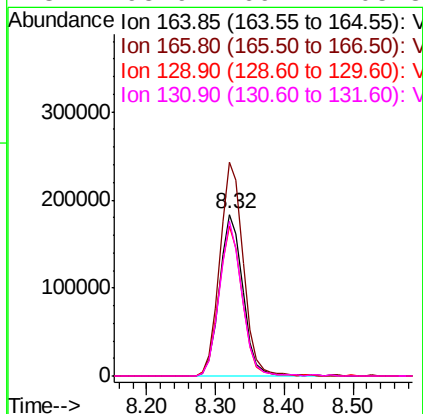
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

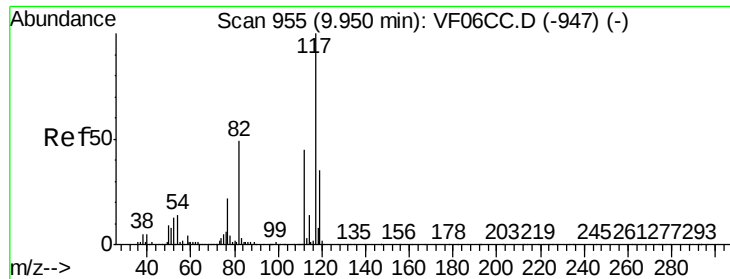
Tot Ion:117 Resp: 1189940
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 33.7 27.1 40.7



#64
Tetrachloroethene
Concen: 47.132 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:164 Resp: 430970
Ion Ratio Lower Upper
164 100
166 132.4 99.1 148.7
129 92.8 69.5 104.3
131 95.9 69.2 103.8





#65

Chlorobenzene

Concen: 50.236 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

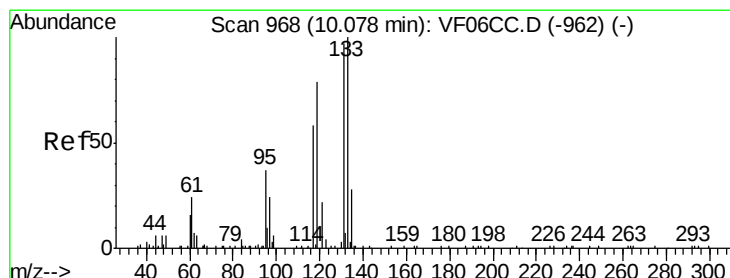
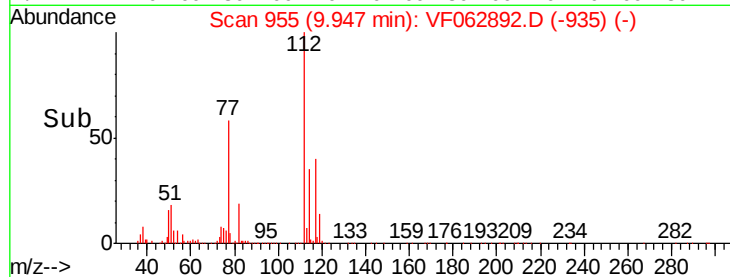
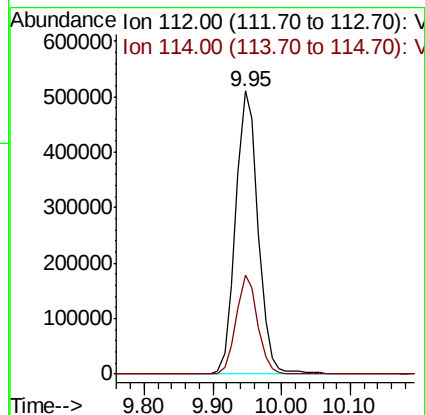
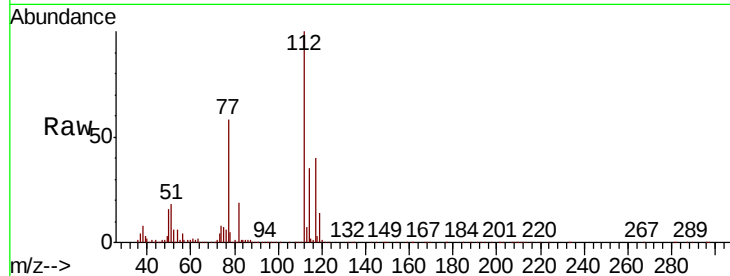
VSTDCCC050EC

Tot Ion:112 Resp: 1154407

Ion Ratio Lower Upper

112 100

114 34.8 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 51.008 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

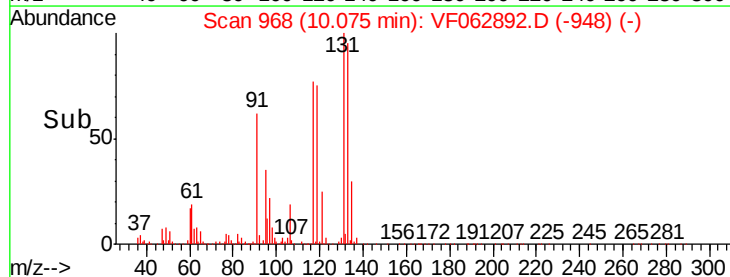
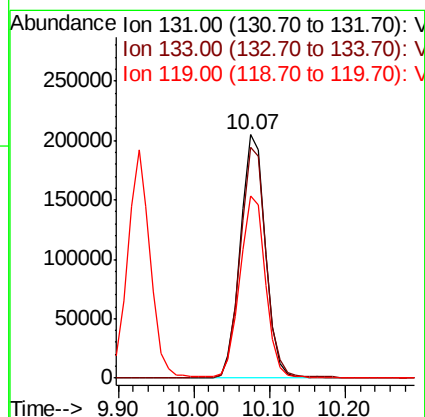
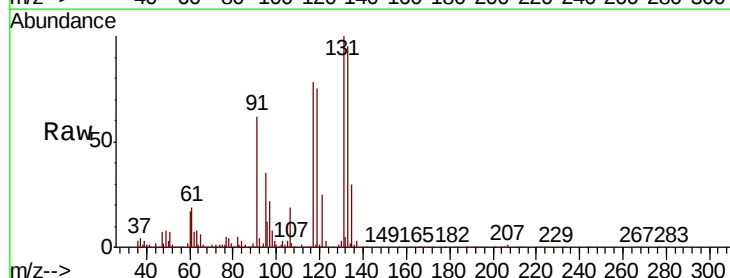
Tgt Ion:131 Resp: 466811

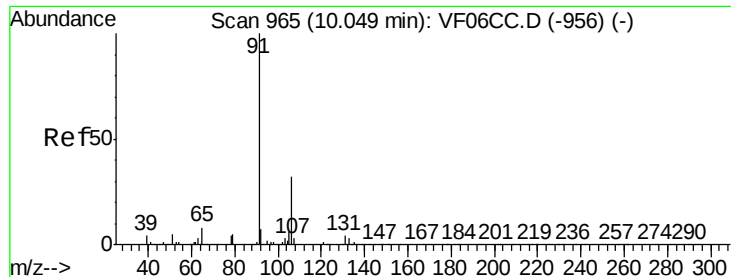
Ion Ratio Lower Upper

131 100

133 94.8 48.9 146.7

119 74.7 38.0 114.0

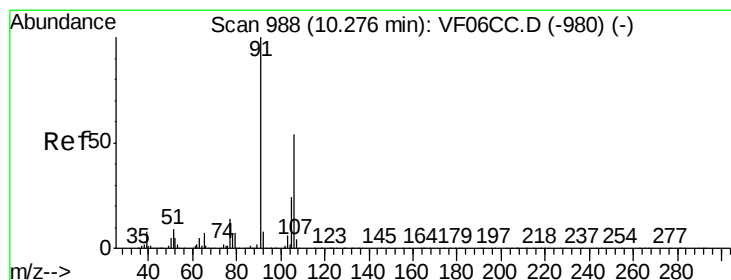
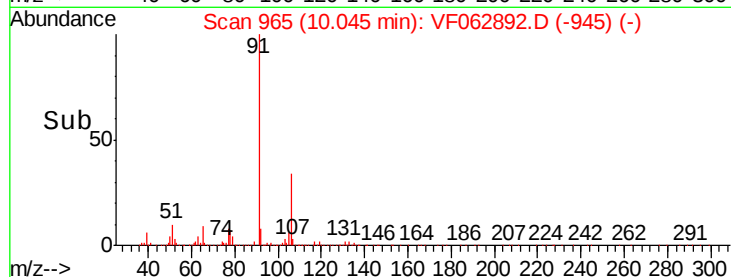
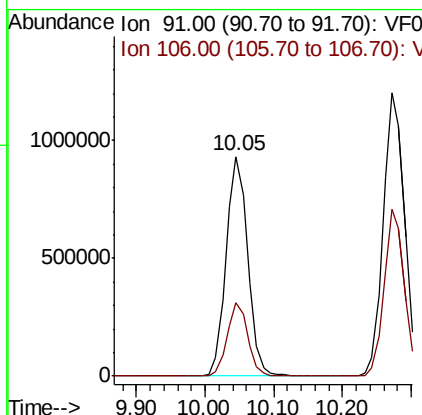
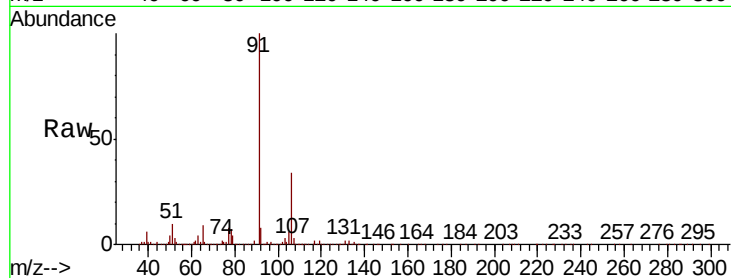




#67
Ethyl Benzene
Concen: 51.348 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

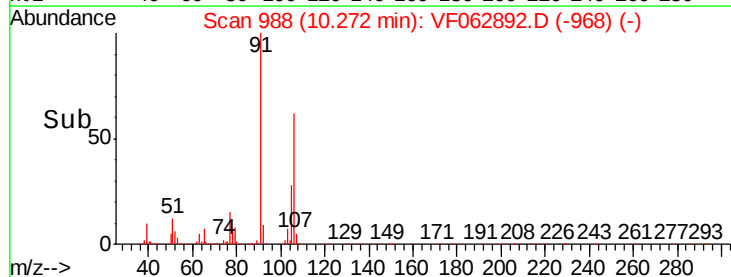
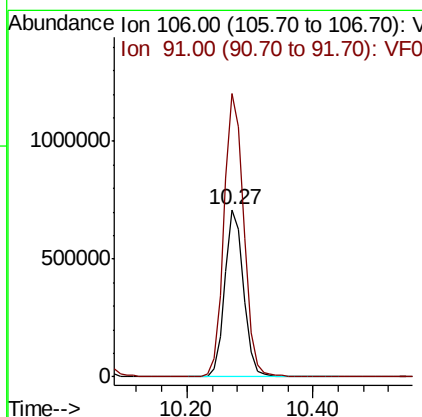
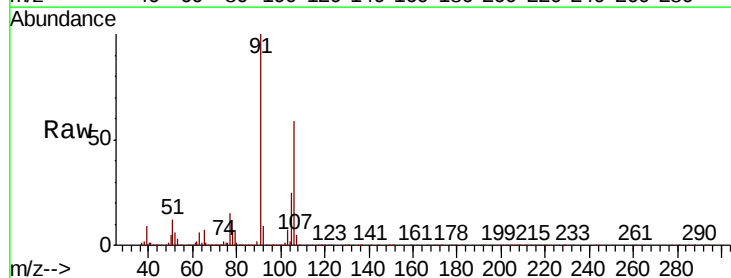
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

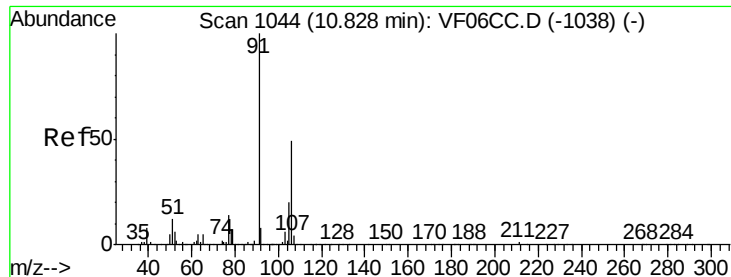
Tot Ion: 91 Resp: 2024868
Ion Ratio Lower Upper
91 100
106 33.5 26.0 39.0



#68
m/p-Xylenes
Concen: 96.817 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 106 Resp: 1460969
Ion Ratio Lower Upper
106 100
91 169.5 136.2 204.4

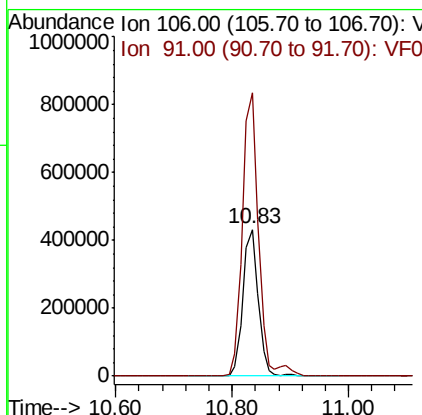
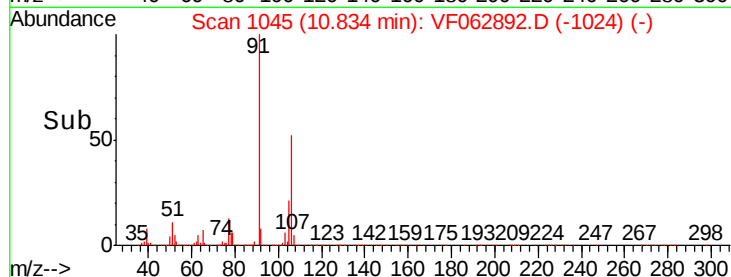
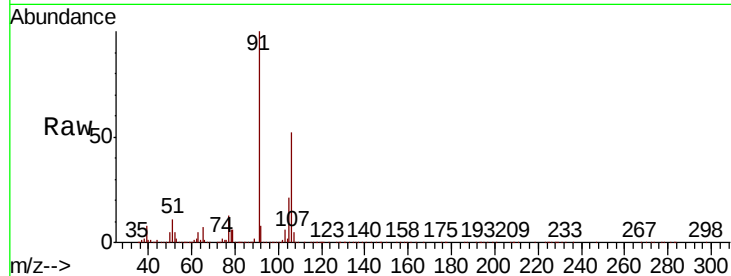




#69
o-Xylene
Concen: 52.105 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

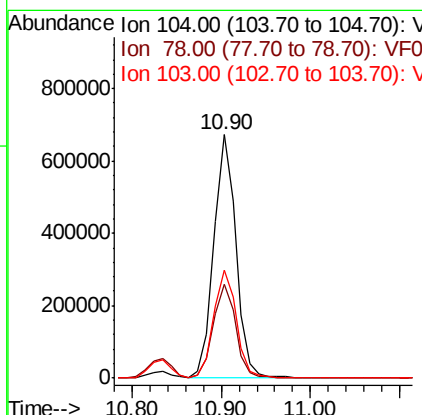
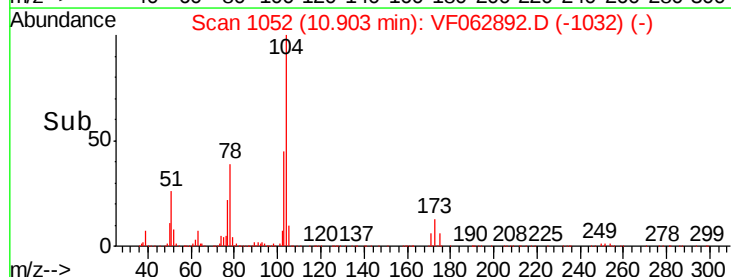
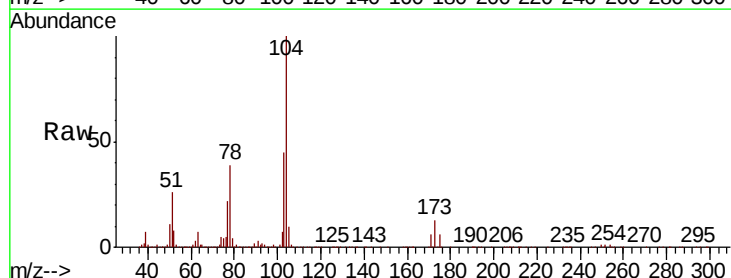
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

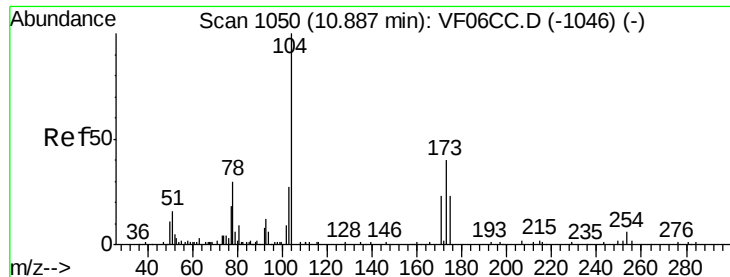
Tot Ion:106 Resp: 796057
Ion Ratio Lower Upper
106 100
91 192.5 96.6 289.8



#70
Styrene
Concen: 51.774 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:104 Resp: 1165897
Ion Ratio Lower Upper
104 100
78 38.7 30.8 46.2
103 44.5 35.8 53.6





#71

Bromoform

Concen: 56.282 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

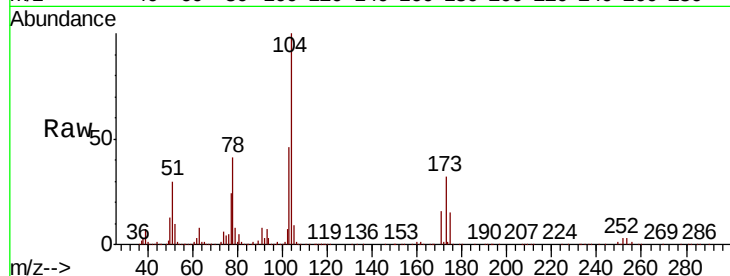
Tot Ion:173 Resp: 247096

Ion Ratio Lower Upper

173 100

175 48.1 24.6 74.0

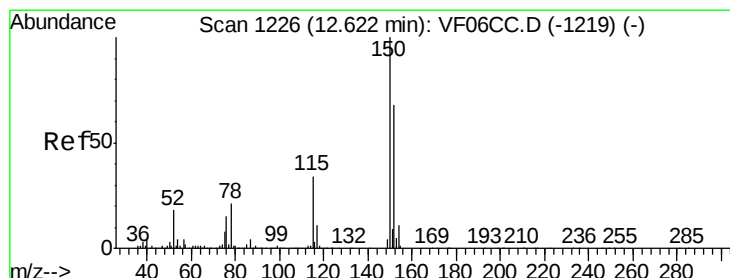
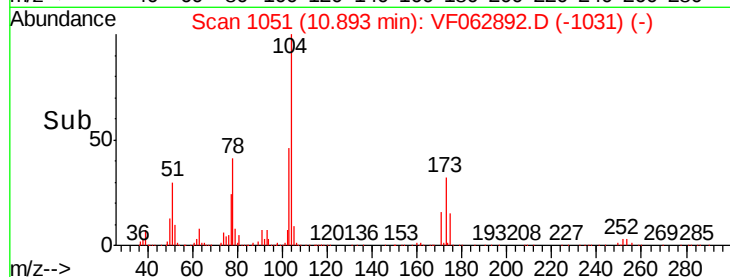
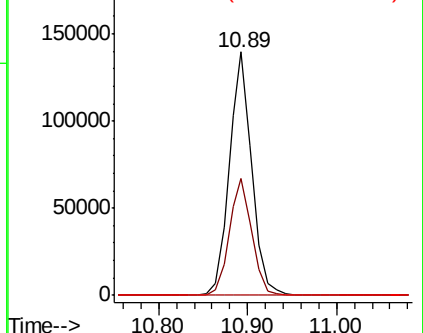
254 0.1 0.1 0.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

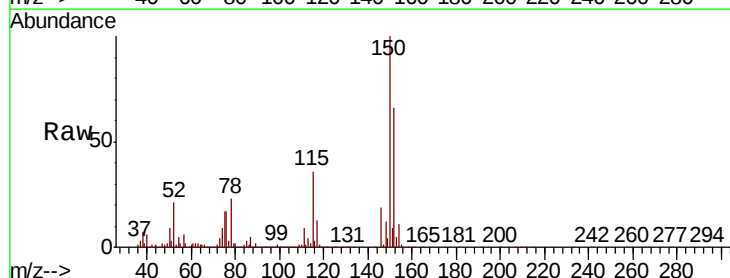
Tgt Ion:152 Resp: 551120

Ion Ratio Lower Upper

152 100

115 54.1 24.6 74.0

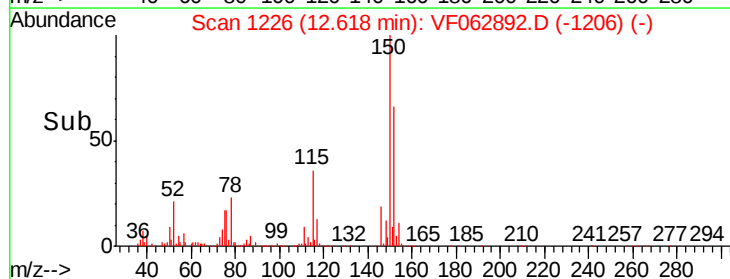
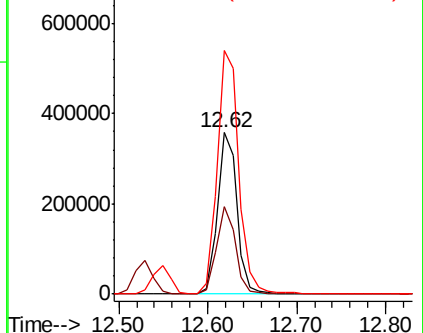
150 150.8 0.0 290.6

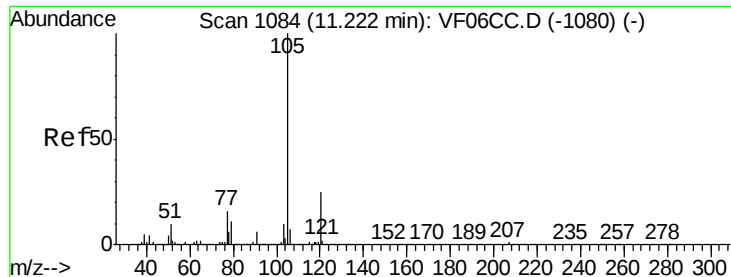


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.481 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

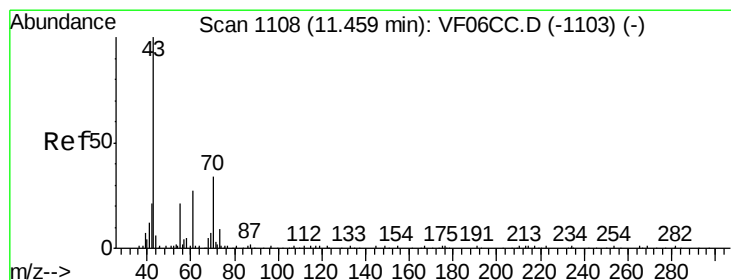
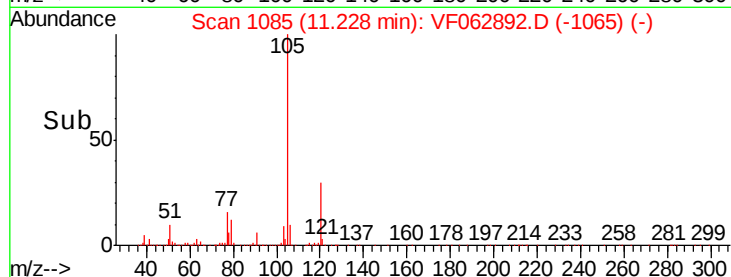
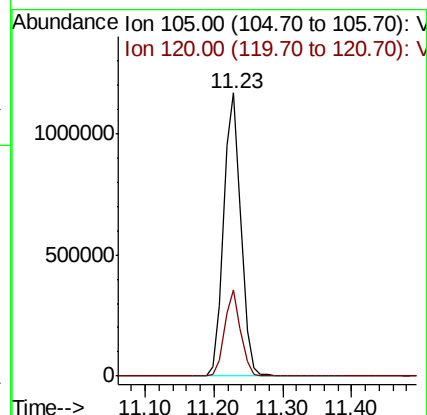
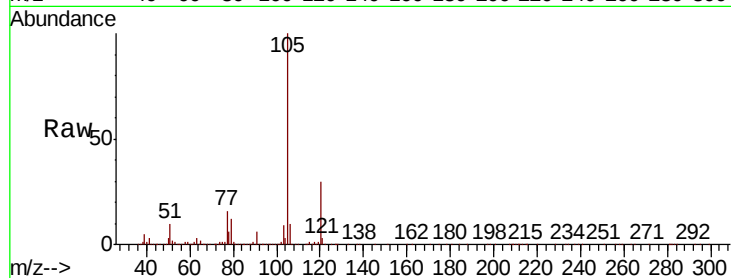
VSTDCCC050EC

Tot Ion:105 Resp: 2018144

Ion Ratio Lower Upper

105 100

120 30.3 15.1 45.3



#74

N-ethyl acetate

Concen: 54.663 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion: 43 Resp: 592453

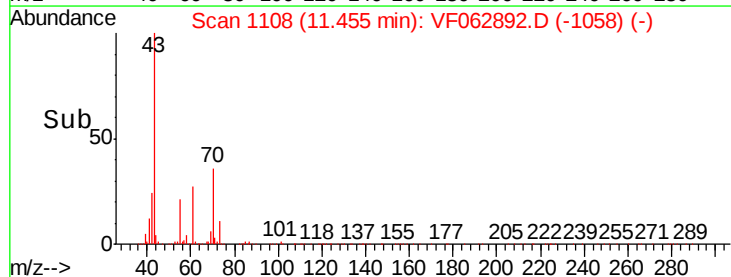
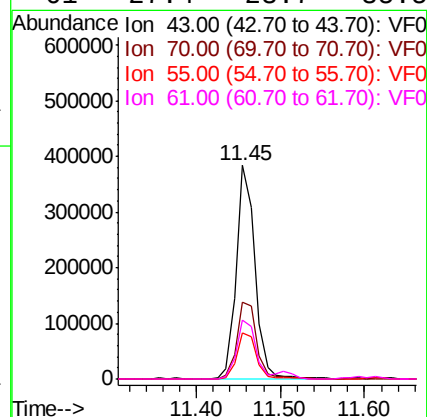
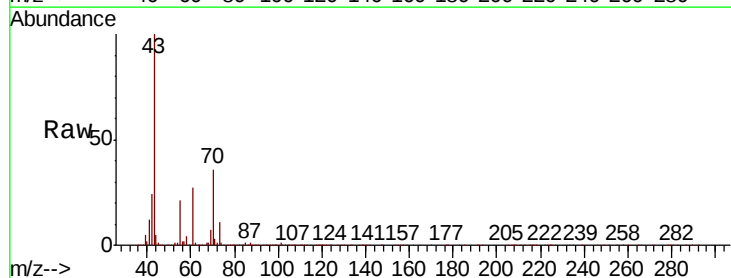
Ion Ratio Lower Upper

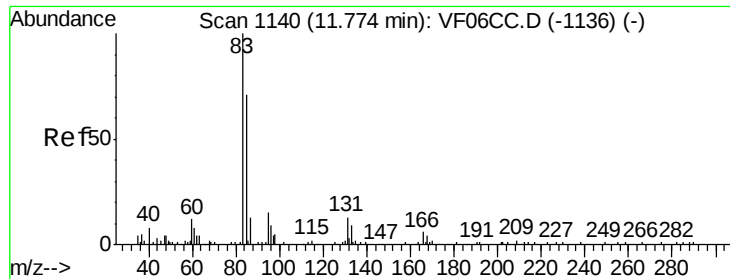
43 100

70 36.2 32.9 49.3

55 21.4 17.3 25.9

61 27.4 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.964 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

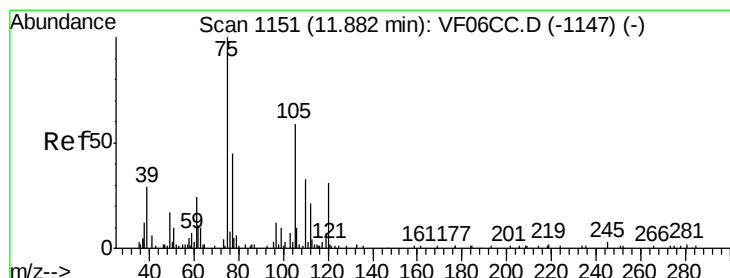
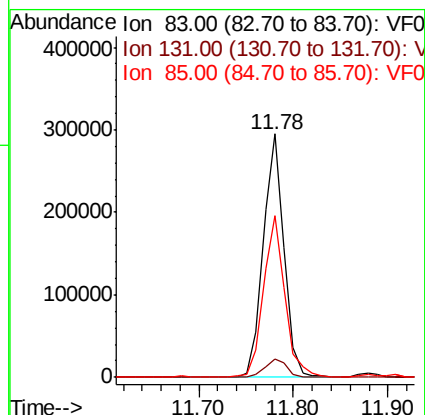
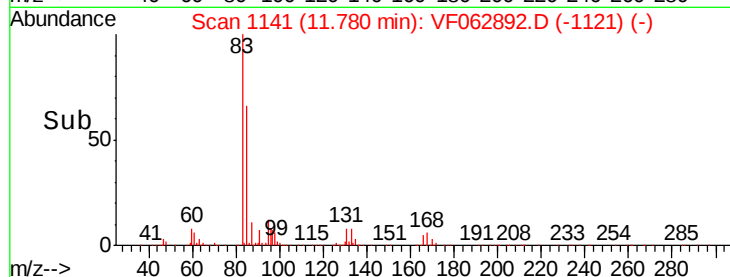
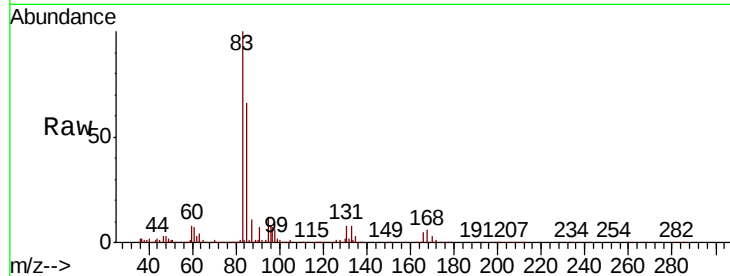
Tot Ion: 83 Resp: 451368

Ion Ratio Lower Upper

83 100

131 7.8 4.9 14.7

85 66.2 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 54.158 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062892.D

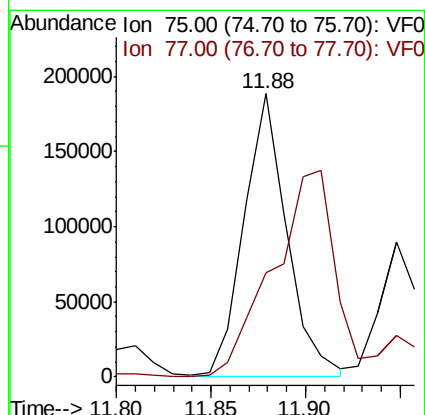
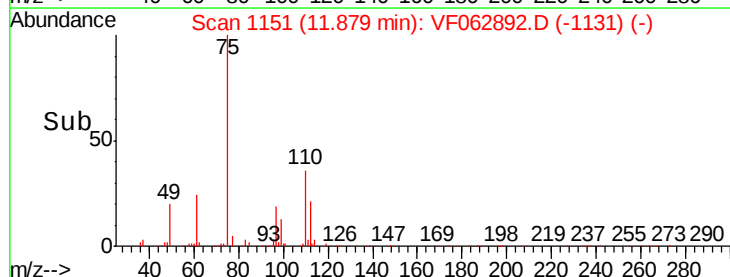
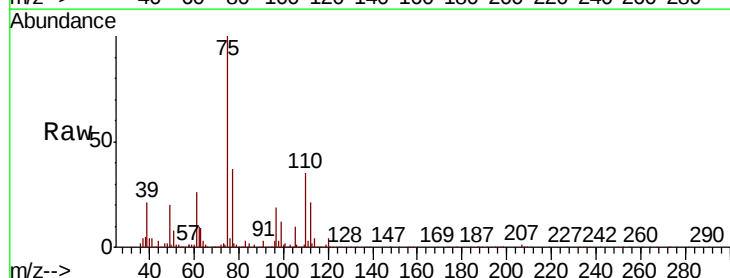
Acq: 6 Jun 2019 19:43

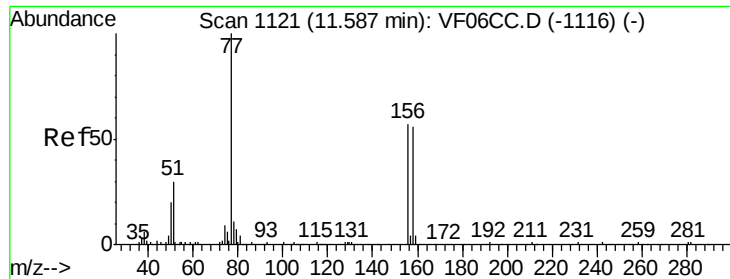
Tgt Ion: 75 Resp: 294808

Ion Ratio Lower Upper

75 100

77 36.9 20.1 60.2





#77

Bromobenzene

Concen: 50.942 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

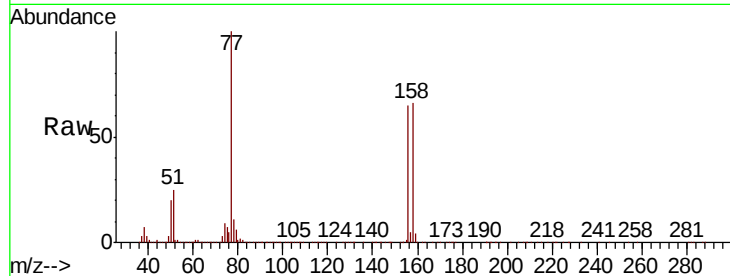
Tot Ion:156 Resp: 492208

Ion Ratio Lower Upper

156 100

77 152.8 64.2 192.6

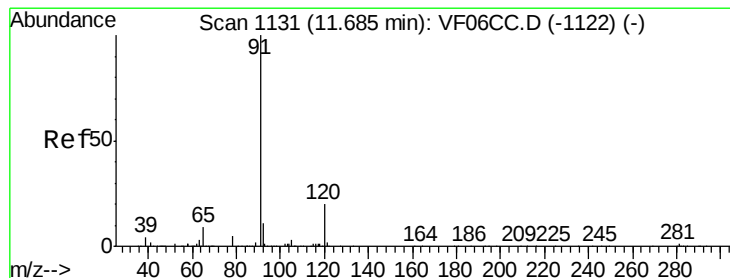
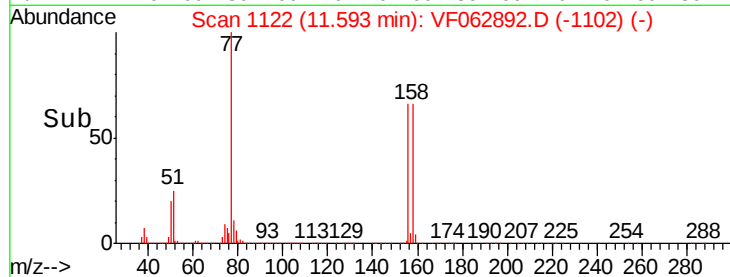
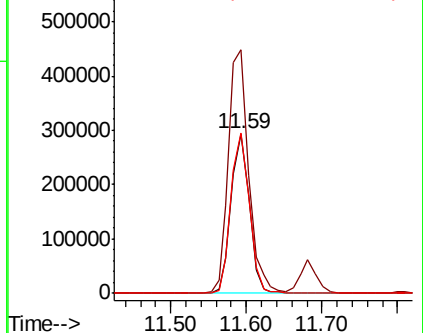
158 100.7 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 49.005 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062892.D

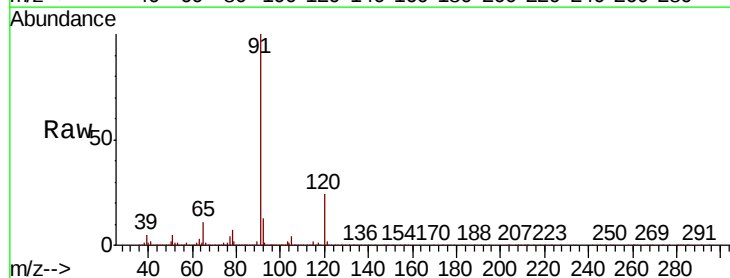
Acq: 6 Jun 2019 19:43

Tgt Ion: 91 Resp: 2275367

Ion Ratio Lower Upper

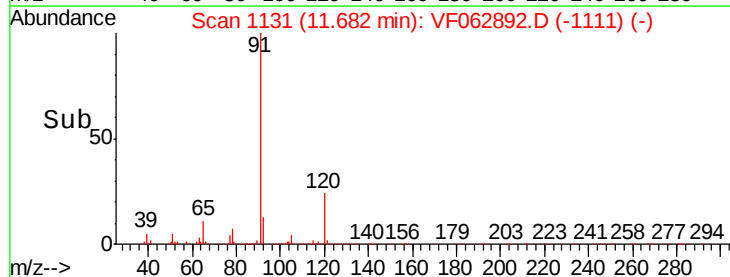
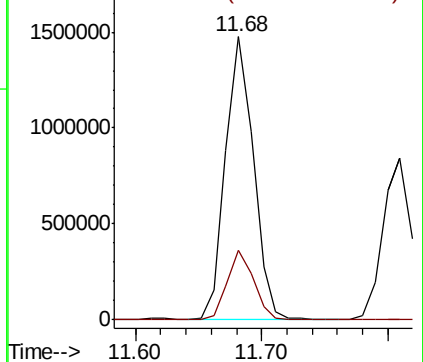
91 100

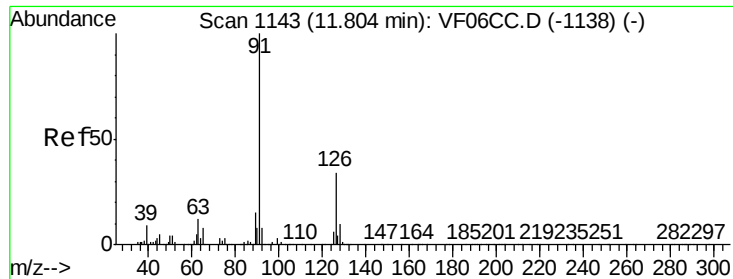
120 24.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

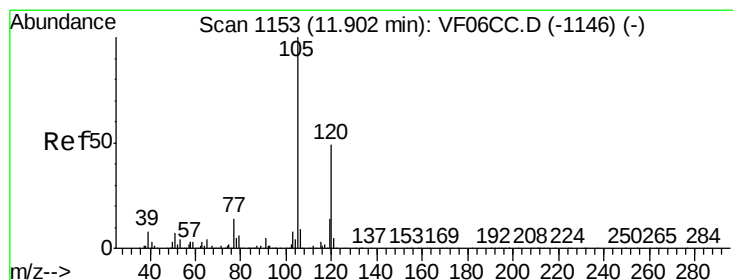
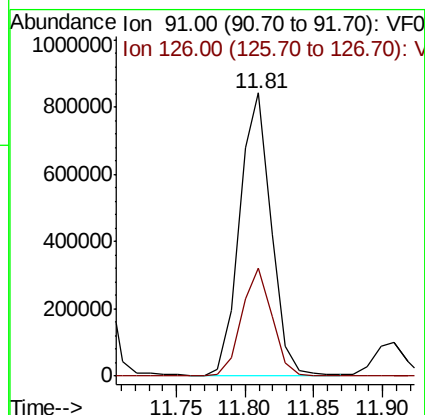
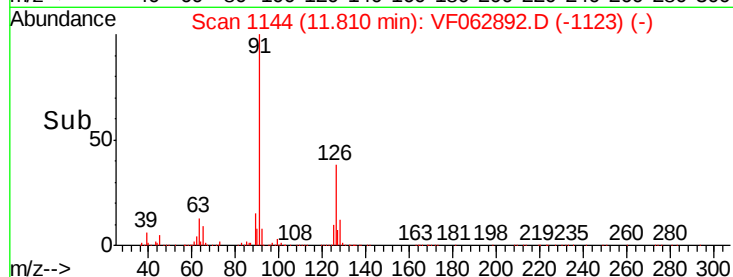
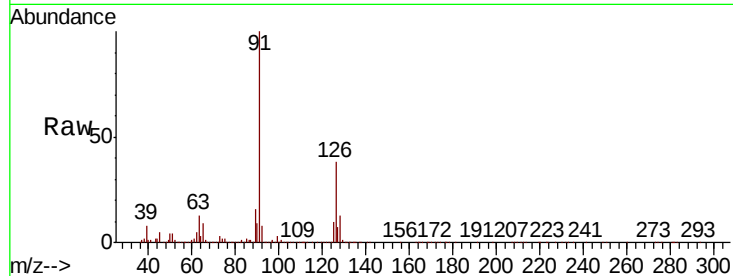




#79
2-Chlorotoluene
Concen: 50.201 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

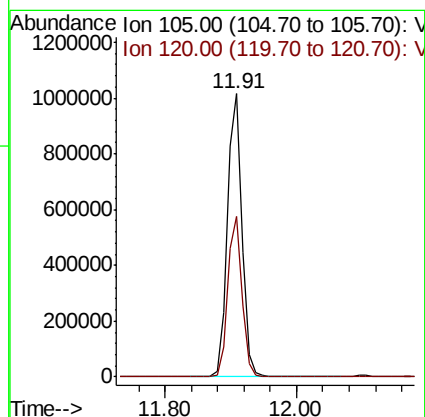
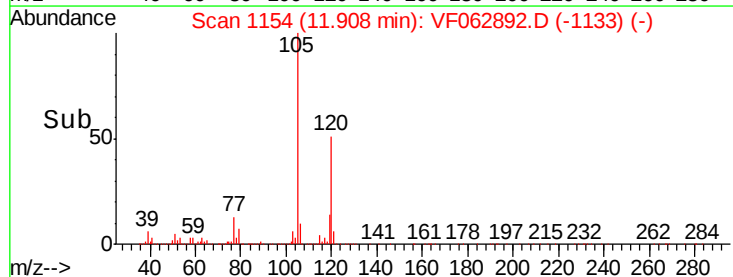
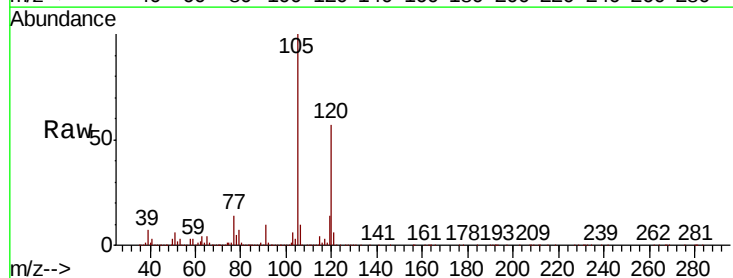
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

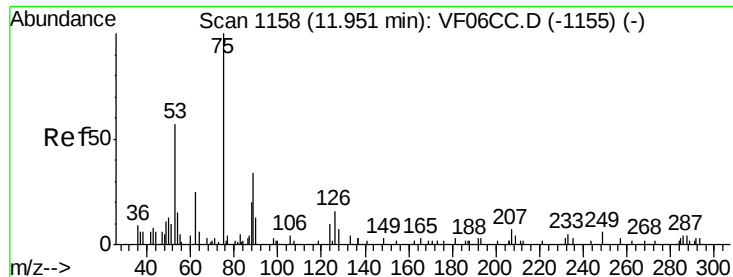
Tot Ion: 91 Resp: 1333739
Ion Ratio Lower Upper
91 100
126 37.9 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 49.940 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 105 Resp: 1570534
Ion Ratio Lower Upper
105 100
120 56.8 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 72.753 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

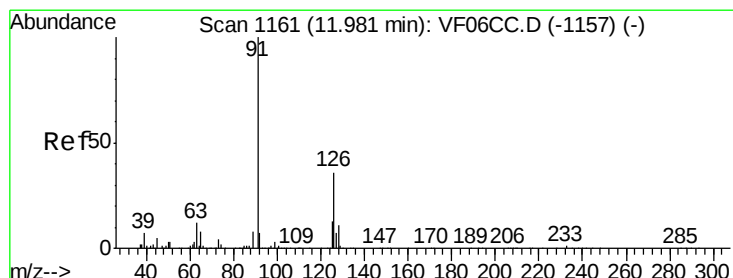
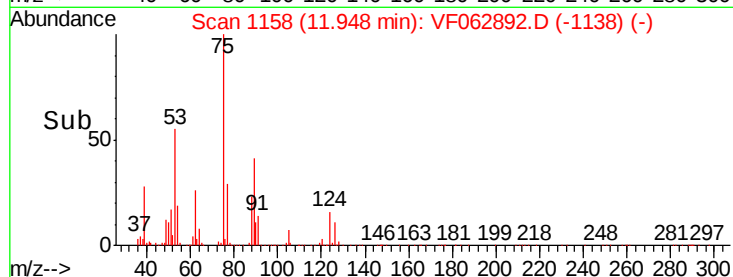
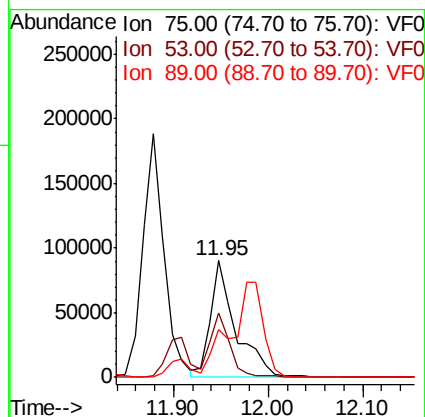
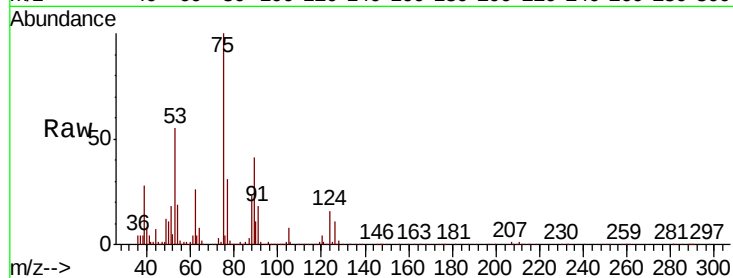
Tot Ion: 75 Resp: 167666

Ion Ratio Lower Upper

75 100

53 55.1 43.5 65.3

89 41.1 34.3 51.5



#82

4-Chlorotoluene

Concen: 50.568 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062892.D

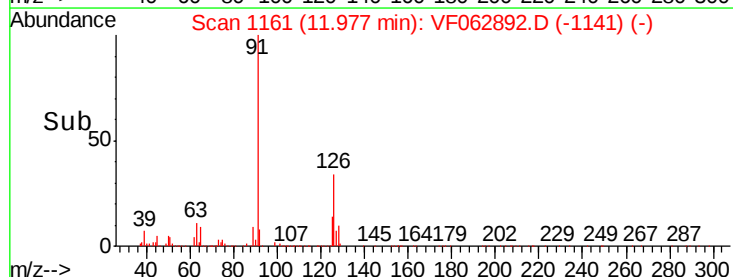
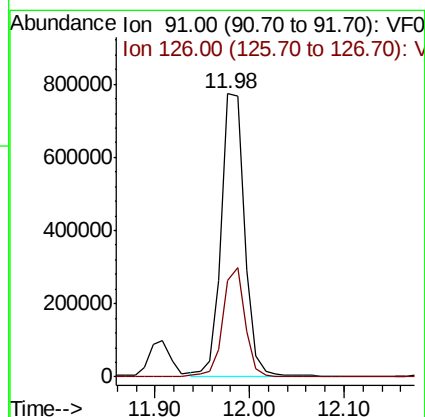
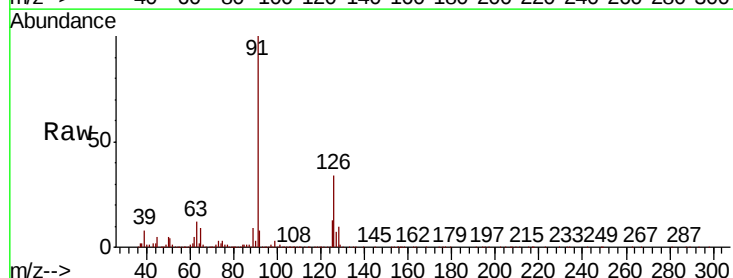
Acq: 6 Jun 2019 19:43

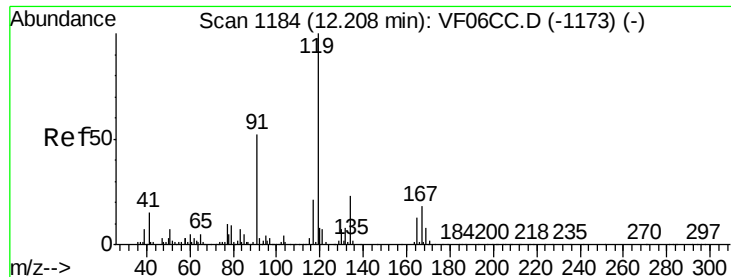
Tgt Ion: 91 Resp: 1320319

Ion Ratio Lower Upper

91 100

126 34.1 19.1 57.1

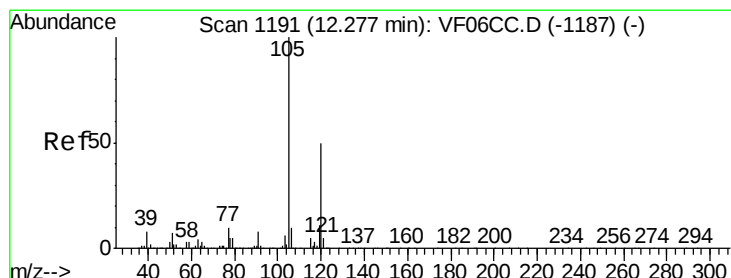
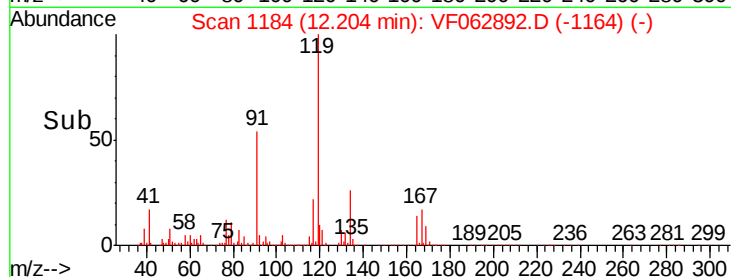
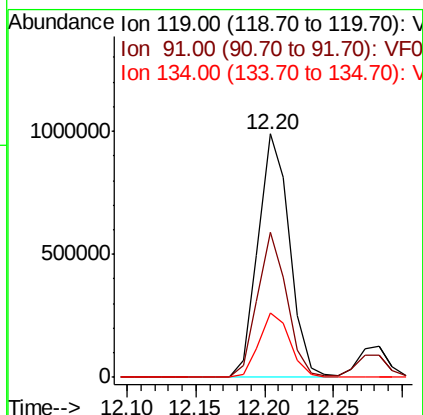
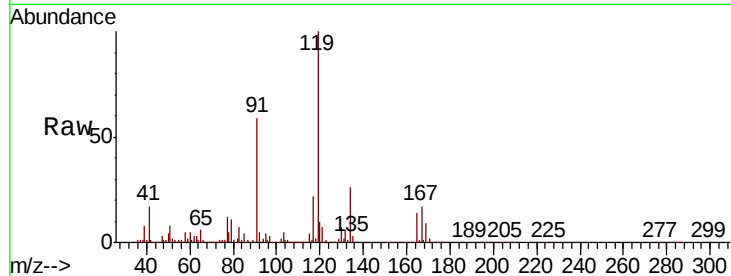




#83
tert-Butylbenzene
Concen: 50.958 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

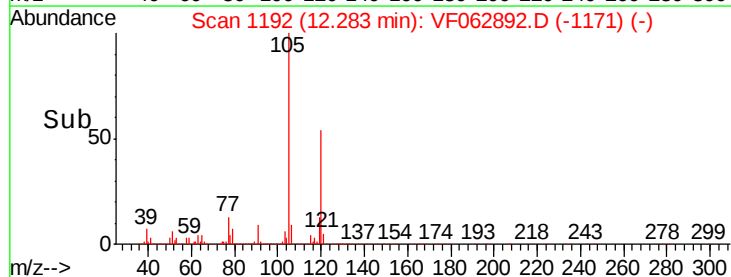
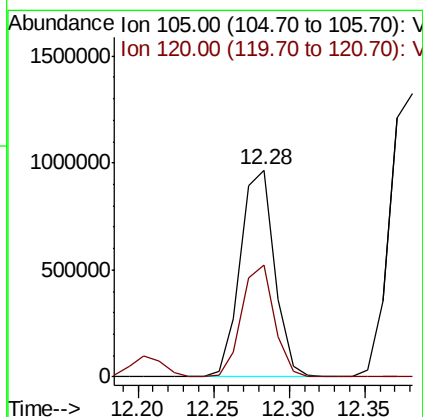
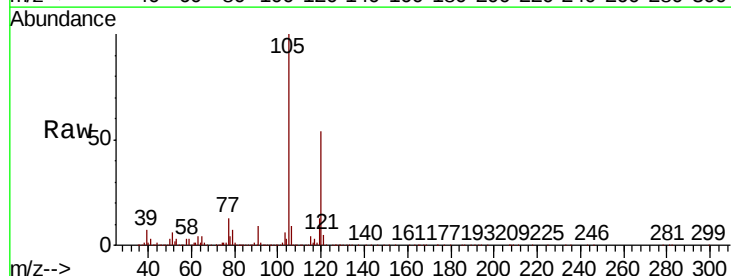
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

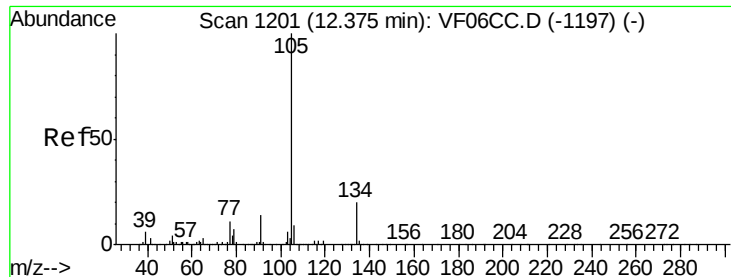
Tot Ion:119 Resp: 1587905
Ion Ratio Lower Upper
119 100
91 59.5 28.9 86.7
134 26.3 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 51.199 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion:105 Resp: 1526597
Ion Ratio Lower Upper
105 100
120 54.1 27.1 81.3





#85

sec-Butylbenzene

Concen: 51.900 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

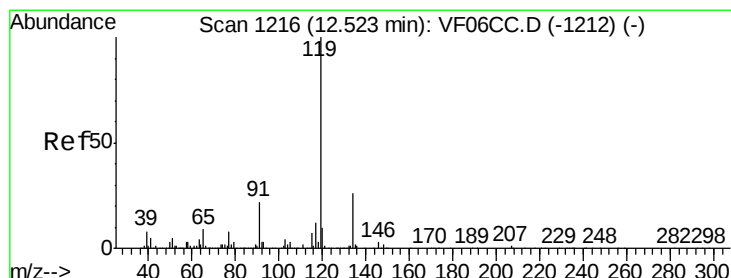
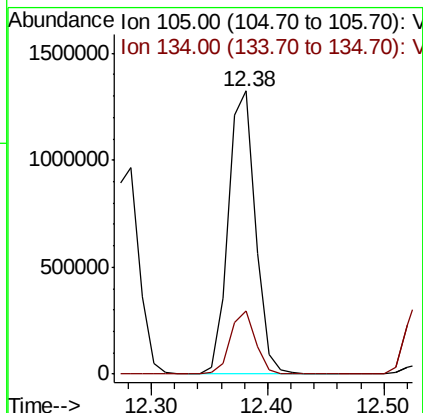
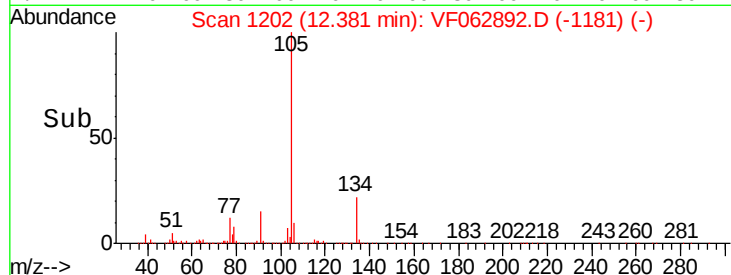
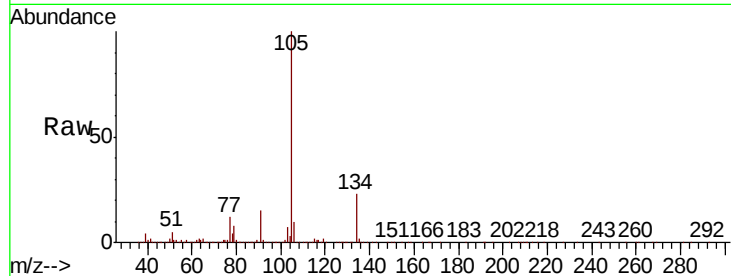
VSTDCCC050EC

Tot Ion:105 Resp: 2131026

Ion Ratio Lower Upper

105 100

134 22.5 10.5 31.6



#86

p-Isopropyltoluene

Concen: 50.911 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

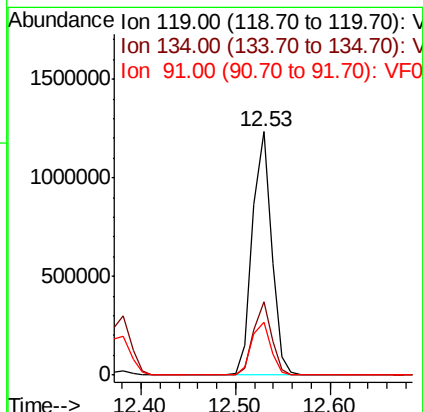
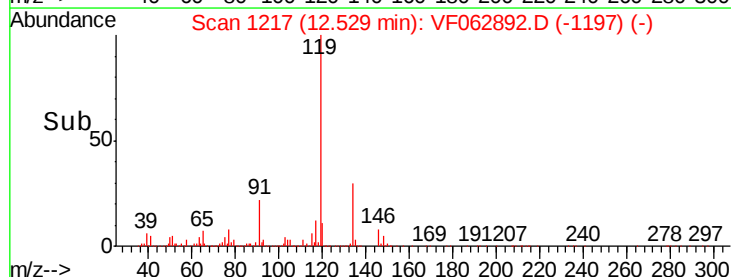
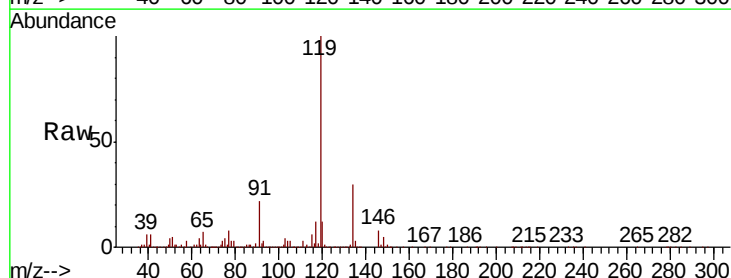
Tgt Ion:119 Resp: 1739990

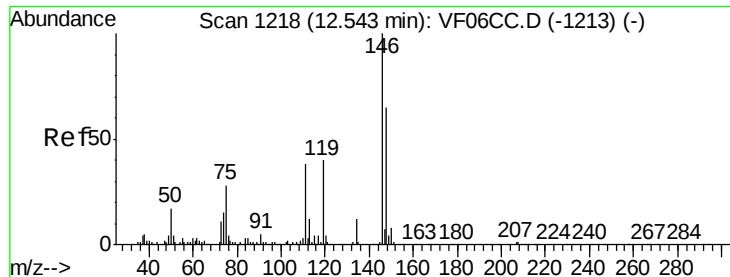
Ion Ratio Lower Upper

119 100

134 29.9 15.5 46.5

91 21.7 10.3 30.9

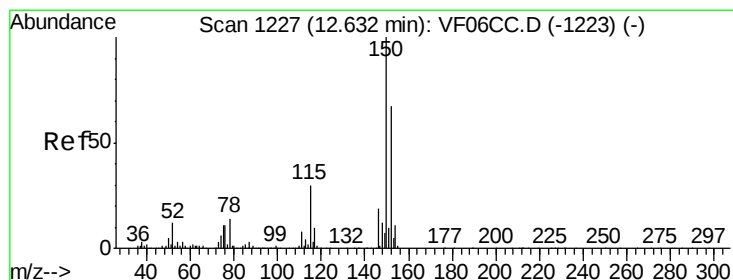
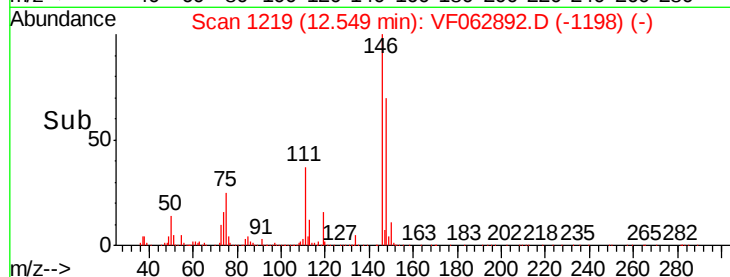
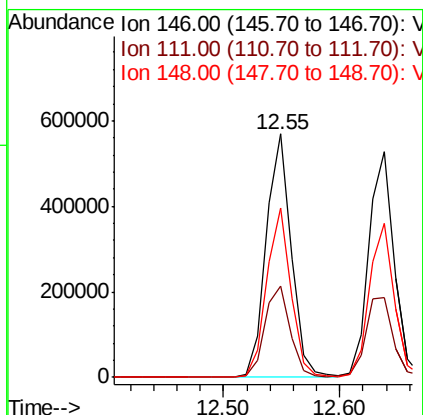
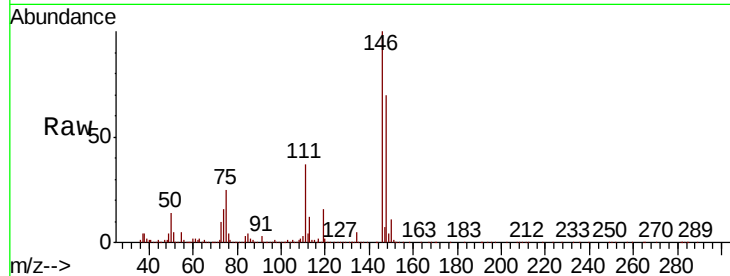




#87
 1,3-Dichlorobenzene
 Concen: 49.755 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

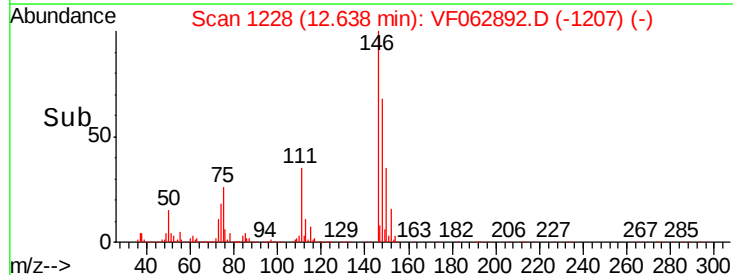
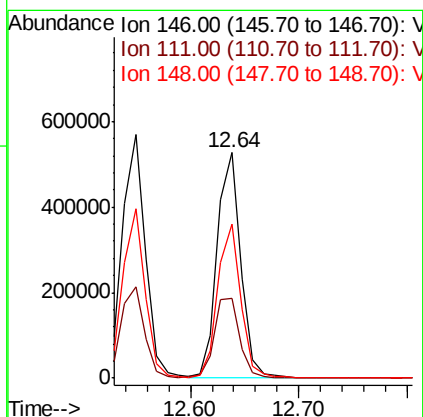
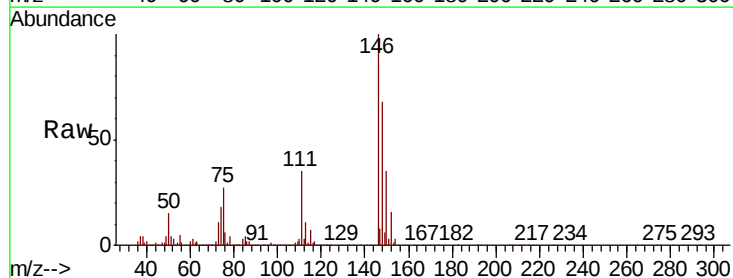
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

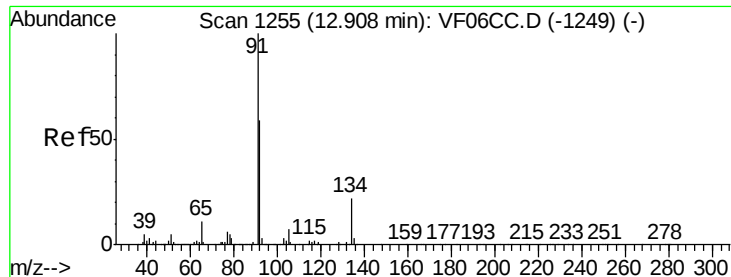
Tot Ion:146 Resp: 847829
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.6 58.8
 148 69.7 34.2 102.5



#88
 1,4-Dichlorobenzene
 Concen: 50.253 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion:146 Resp: 799151
 Ion Ratio Lower Upper
 146 100
 111 35.3 20.3 60.9
 148 68.4 34.0 101.8



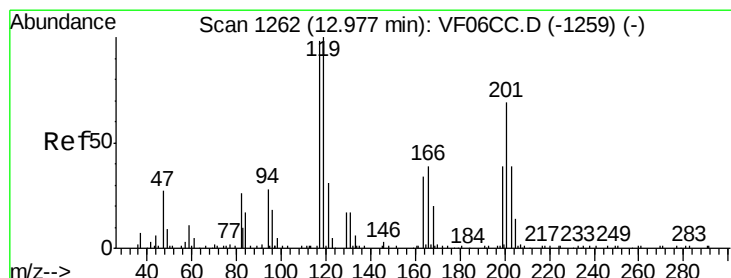
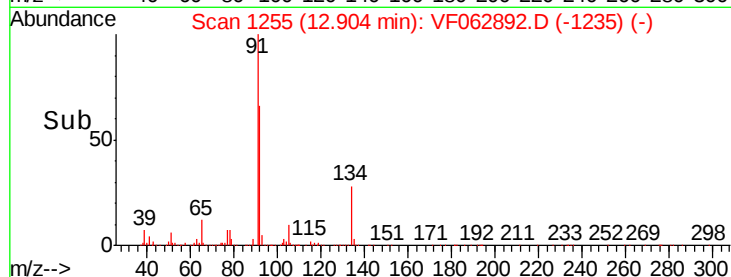
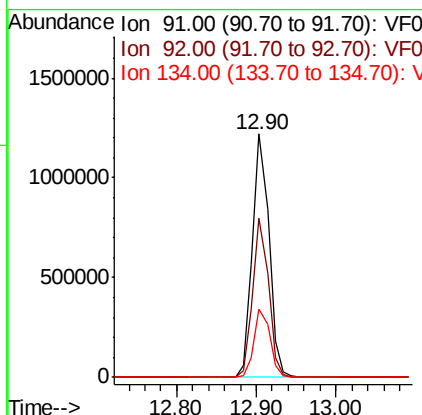
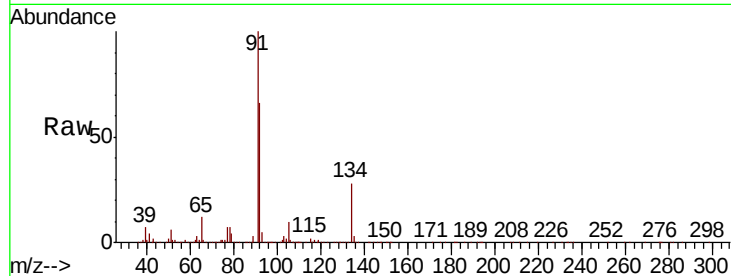


#89
n-Butylbenzene
Concen: 50.230 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1726892

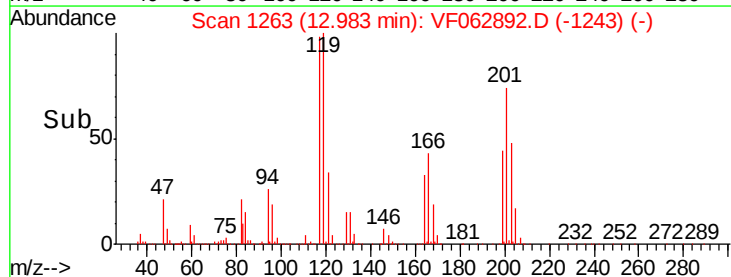
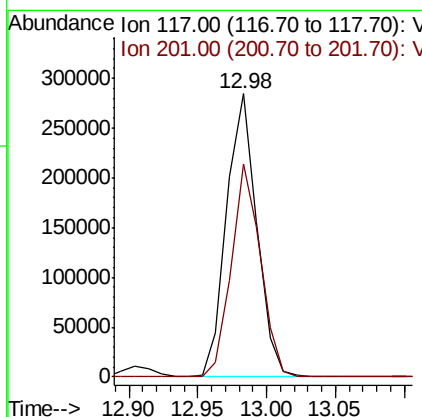
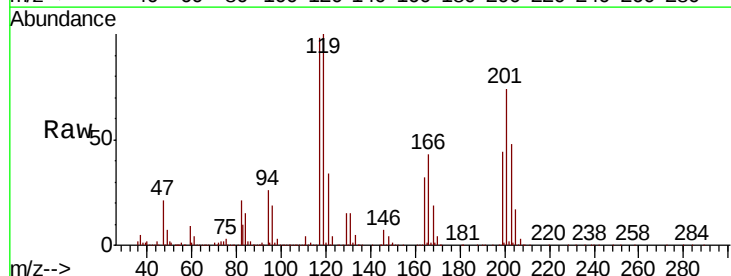
Ion	Ratio	Lower	Upper
91	100		
92	65.5	34.2	102.6
134	27.9	15.8	47.3

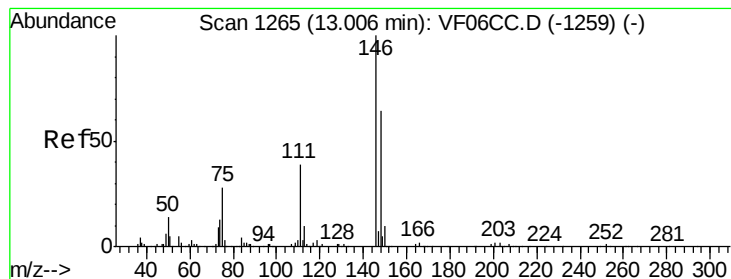


#90
Hexachloroethane
Concen: 52.023 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 117 Resp: 433649

Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 51.491 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

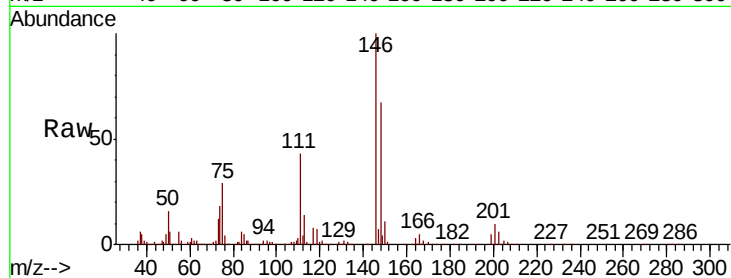
Tot Ion:146 Resp: 771211

Ion Ratio Lower Upper

146 100

111 42.5 20.4 61.3

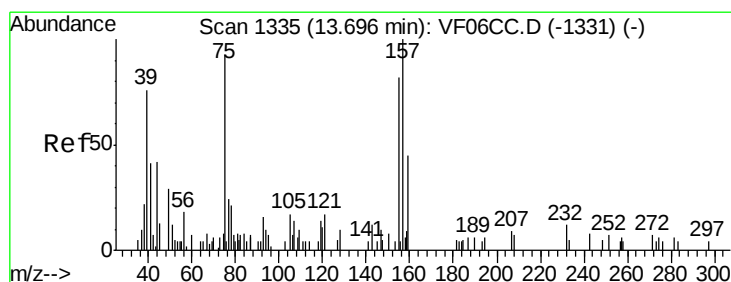
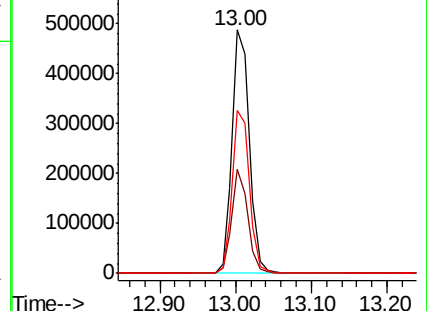
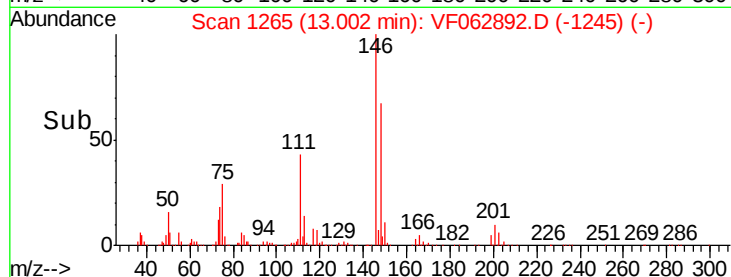
148 66.9 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.274 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

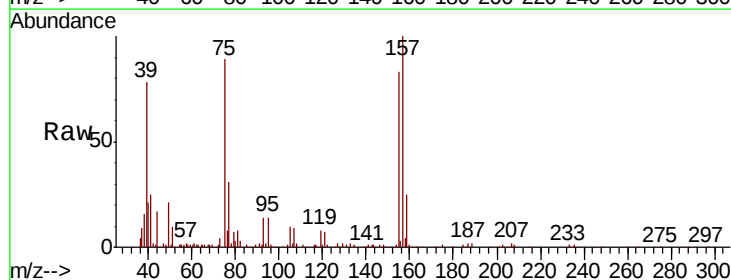
Tgt Ion: 75 Resp: 51242

Ion Ratio Lower Upper

75 100

155 93.0 51.7 155.1

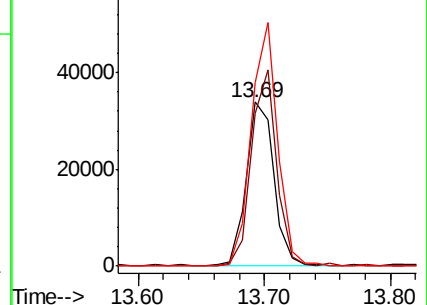
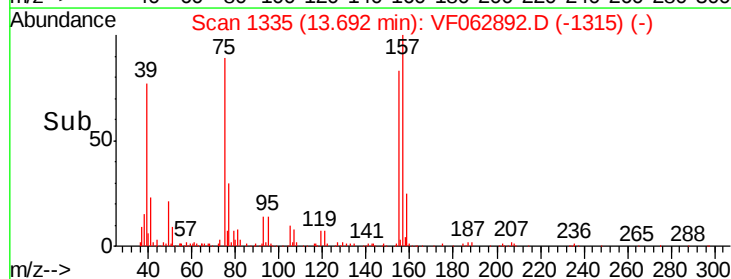
157 111.9 66.8 200.6

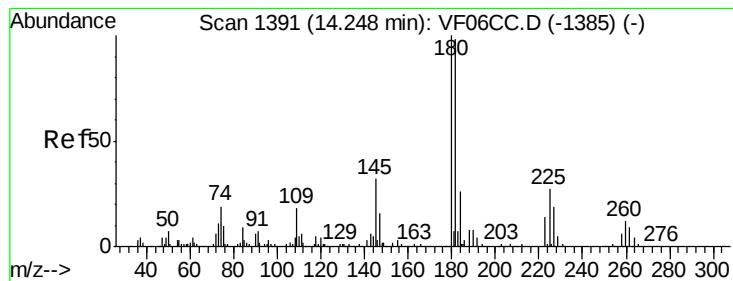


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 48.462 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

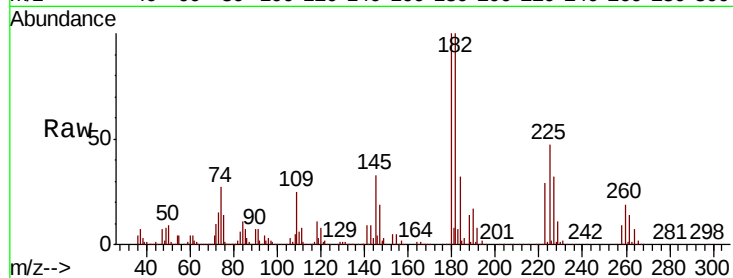
Tot Ion:180 Resp: 498373

Ion Ratio Lower Upper

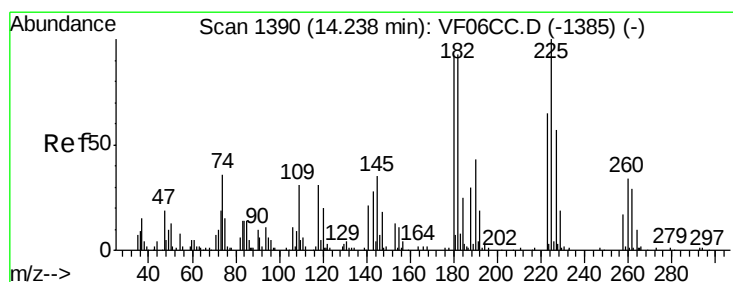
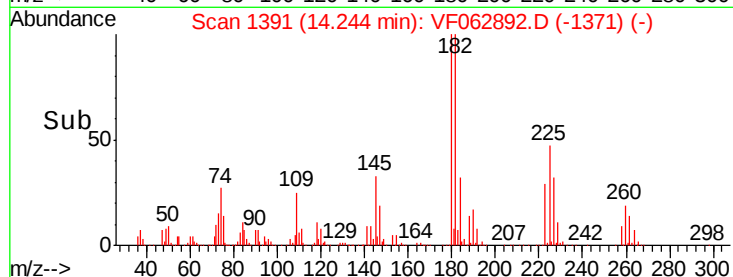
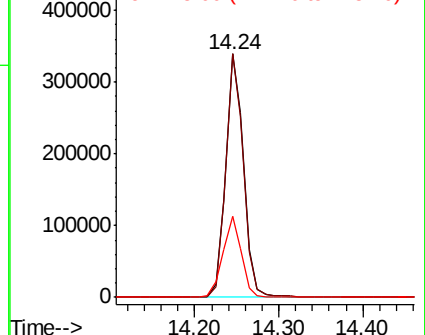
180 100

182 99.9 50.3 150.9

145 33.3 15.4 46.2



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



#94

Hexachlorobutadiene

Concen: 47.703 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

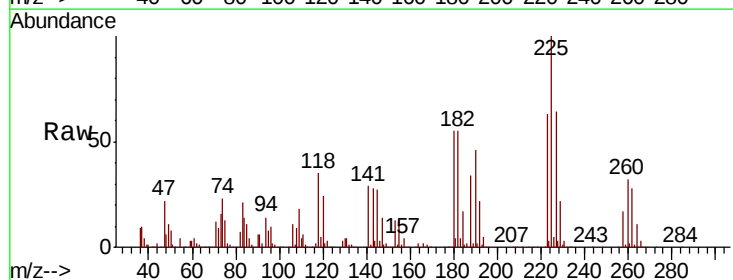
Tgt Ion:225 Resp: 339377

Ion Ratio Lower Upper

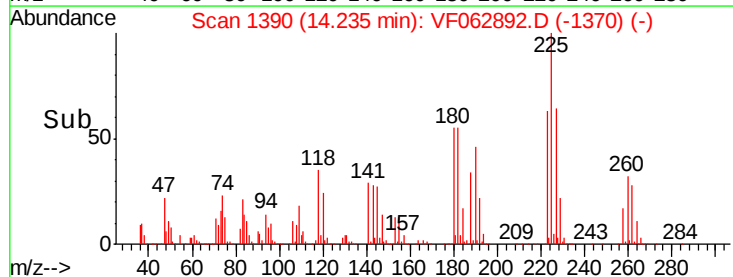
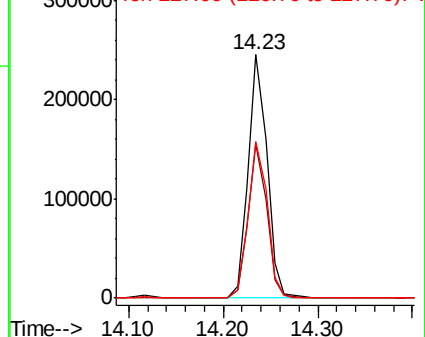
225 100

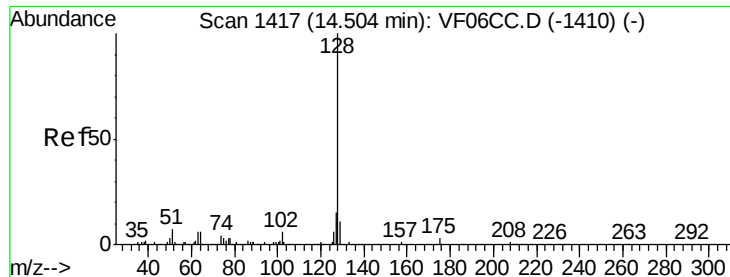
223 63.5 30.8 92.4

227 64.2 31.9 95.5



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





#95

Naphthalene

Concen: 54.826 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

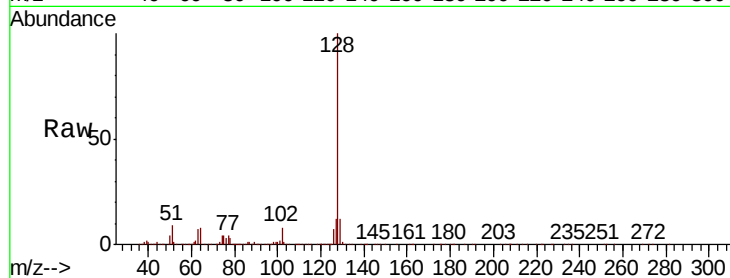
Tot Ion:128 Resp: 923704

Ion Ratio Lower Upper

128 100

127 11.6 9.7 14.5

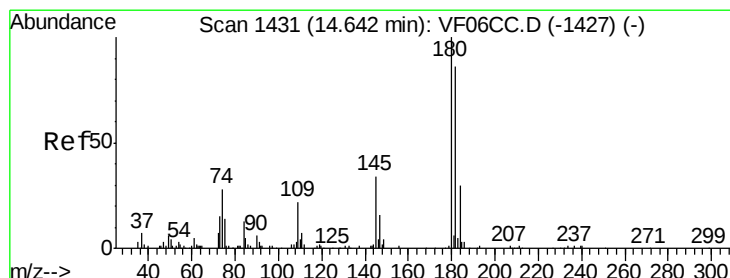
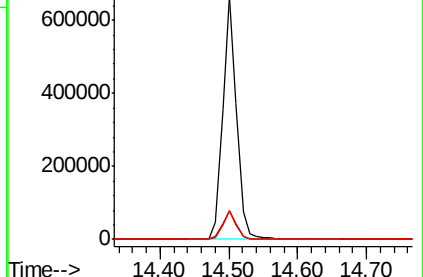
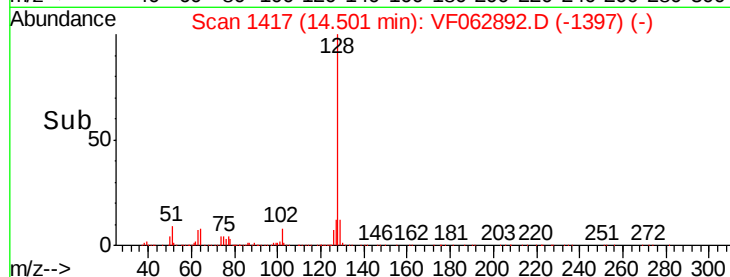
129 11.9 9.4 14.2



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: 50.055 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

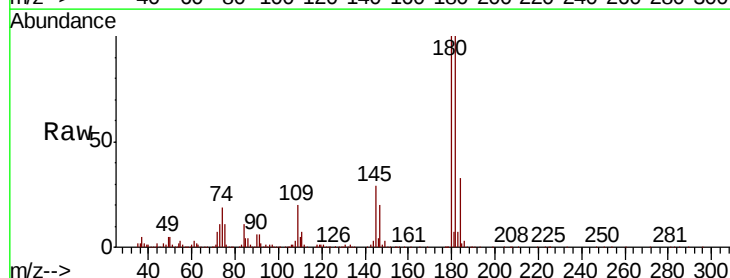
Tgt Ion:180 Resp: 469883

Ion Ratio Lower Upper

180 100

182 100.0 48.6 145.9

145 29.4 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

