

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
 Data File : VF062393.D
 Acq On : 9 May 2019 12:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 10 01:51:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	311612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	390807	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	340124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	202807	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	162791	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	4.30	113	176923	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
50) Toluene-d8	7.70	98	420969	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
62) 4-Bromofluorobenzene	11.48	95	183199	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	157360	43.634	ug/l	100
3) Chloromethane	1.14	50	103200	43.388	ug/l	99
4) Vinyl Chloride	1.19	62	107753	45.418	ug/l	94
5) Bromomethane	1.40	94	94604	52.997	ug/l	92
6) Chloroethane	1.45	64	57427	48.146	ug/l	100
7) Trichlorofluoromethane	1.56	101	262212	53.269	ug/l	96
8) Diethyl Ether	1.70	74	35344	47.454	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	140736	50.079	ug/l	98
10) Methyl Iodide	1.98	142	236577	51.084	ug/l	99
11) Tert butyl alcohol	2.68	59	36034	216.504	ug/l	96
12) 1,1-Dichloroethene	1.87	96	114631	47.981	ug/l	90
13) Acrolein	2.10	56	19324	182.101	ug/l	99
14) Allyl chloride	2.20	41	166613	78.948	ug/l	98
15) Acrylonitrile	3.09	53	83263	264.099	ug/l	98
16) Acetone	2.34	43	178402	299.471	ug/l	97
17) Carbon Disulfide	1.91	76	235249	45.159	ug/l	99
18) Methyl Acetate	2.45	43	52796	48.503	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	252069	51.112	ug/l	98
20) Methylene Chloride	2.33	84	69705	32.341	ug/l	99
21) trans-1,2-Dichloroethene	2.42	96	108887	47.837	ug/l	95
22) Diisopropyl ether	2.93	45	335939	50.931	ug/l	94
23) Vinyl Acetate	3.34	43	754569	256.678	ug/l	99
24) 1,1-Dichloroethane	3.00	63	211111	52.957	ug/l	98
25) 2-Butanone	4.51	43	189893	253.724	ug/l	94
26) 2,2-Dichloropropane	3.77	77	125999	56.598	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	147814	51.950	ug/l	94
28) Bromochloromethane	3.89	49	85913	47.520	ug/l	94
29) Tetrahydrofuran	4.26	42	77037	223.963	ug/l	97
30) Chloroform	4.04	83	291991	54.216	ug/l	97
31) Cyclohexane	3.87	56	154194	48.460	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	242347	52.503	ug/l	99
36) 1,1-Dichloropropene	4.46	75	180565	53.785	ug/l	98
37) Ethyl Acetate	4.30	43	71838	55.535	ug/l #	97
38) Carbon Tetrachloride	4.18	117	279328	81.995	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	174452	51.813	ug/l	98
40) Benzene	4.82	78	386714	52.310	ug/l	97
41) Methacrylonitrile	4.93	41	40253	50.005	ug/l	93
42) 1,2-Dichloroethane	5.12	62	182258	58.947	ug/l	99
43) Isopropyl Acetate	7.10	43	72468	47.457	ug/l #	98
44) Trichloroethene	5.68	130	146573	53.973	ug/l	98
45) 1,2-Dichloropropane	6.40	63	91819	54.835	ug/l	99
46) Dibromomethane	6.25	93	75434	54.334	ug/l	99
47) Bromodichloromethane	6.54	83	204920	59.036	ug/l	94
48) Methyl methacrylate	6.87	41	54467	50.473	ug/l	93
49) 1,4-Dioxane	6.86	88	10327	929.562	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	309688	267.646	ug/l	98
52) Toluene	7.77	92	254548	55.814	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	143663	54.723	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	171568	56.153	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	81285	56.145	ug/l	95
56) Ethyl methacrylate	8.74	69	72824	47.651	ug/l	96
57) 1,3-Dichloropropane	8.99	76	118818	54.332	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.44	63	95574	208.011	ug/l	98
59) 2-Hexanone	9.61	43	204760	255.873	ug/l	100
60) Dibromochloromethane	8.85	129	137639	58.128	ug/l	100
61) 1,2-Dibromoethane	9.13	107	88522	52.023	ug/l	96
64) Tetrachloroethene	8.30	164	132889	48.127	ug/l	98
65) Chlorobenzene	9.92	112	302513	53.755	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	161232	56.793	ug/l	97
67) Ethyl Benzene	10.02	91	528046	53.585	ug/l	98
68) m/p-Xylenes	10.25	106	380346	104.609	ug/l	99
69) o-Xylene	10.81	106	223324	56.842	ug/l	99
70) Styrene	10.88	104	313292	53.207	ug/l	100
71) Bromoform	10.87	173	83979	53.995	ug/l	96
73) Isopropylbenzene	11.21	105	664938	55.305	ug/l	100
74) N-amyl acetate	11.44	43	119790	46.408	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	103419	54.936	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	76286	53.115	ug/l #	100
77) Bromobenzene	11.57	156	170820	54.135	ug/l	100
78) n-propylbenzene	11.66	91	686252	53.611	ug/l	100
79) 2-Chlorotoluene	11.79	91	442380	55.578	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	574975	54.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	39608	73.366	ug/l #	71
82) 4-Chlorotoluene	11.96	91	418706	53.261	ug/l	100
83) tert-Butylbenzene	12.19	119	611400	55.205	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	567567	55.035	ug/l	99
85) sec-Butylbenzene	12.36	105	742017	55.044	ug/l	100
86) p-Isopropyltoluene	12.51	119	669944	53.490	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	294759	51.147	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	290719	52.267	ug/l	98
89) n-Butylbenzene	12.89	91	601053	53.941	ug/l	100
90) Hexachloroethane	12.97	117	171664	54.893	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	297445	53.325	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	23187	54.979	ug/l	96

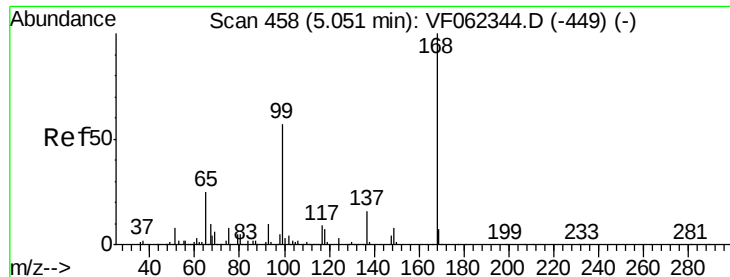
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	273065	54.578	ug/l	99
94) Hexachlorobutadiene	14.22	225	206856	55.471	ug/l	99
95) Naphthalene	14.49	128	416632	55.389	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	275373	56.812	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

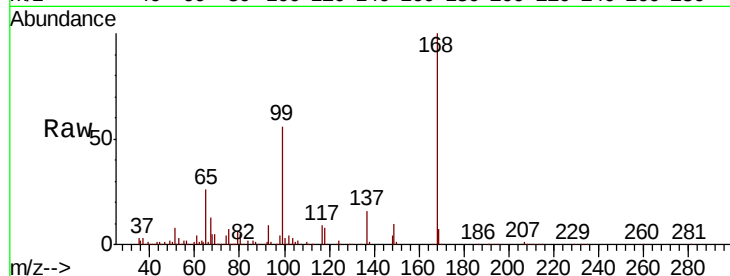
VSTDCCC050

Tgt Ion:168 Resp: 311612

Ion Ratio Lower Upper

168 100

99 56.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

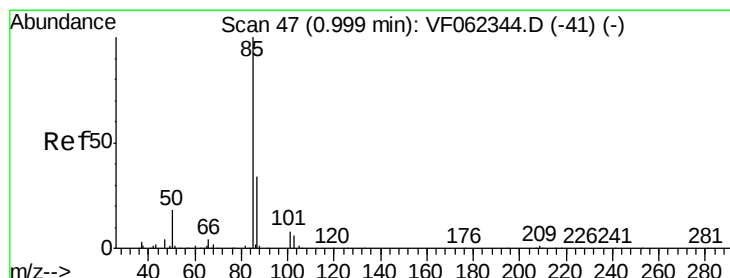
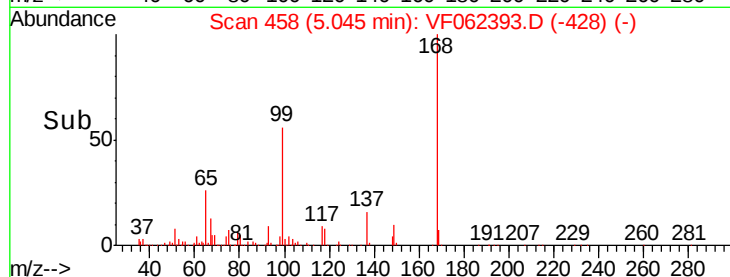
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.634 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062393.D

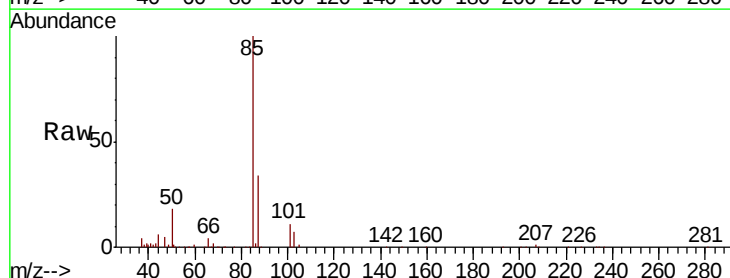
Acq: 9 May 2019 12:41

Tgt Ion: 85 Resp: 157360

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

50000

40000

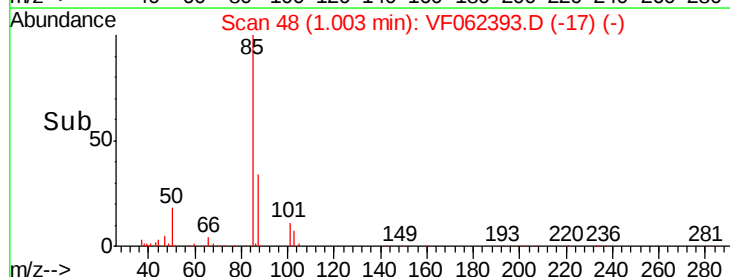
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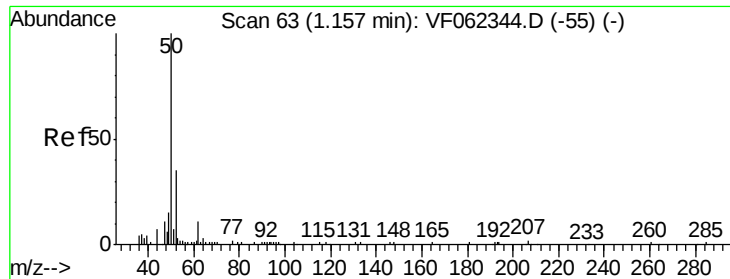
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.388 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

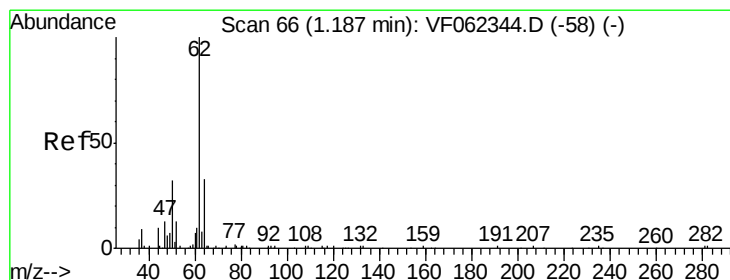
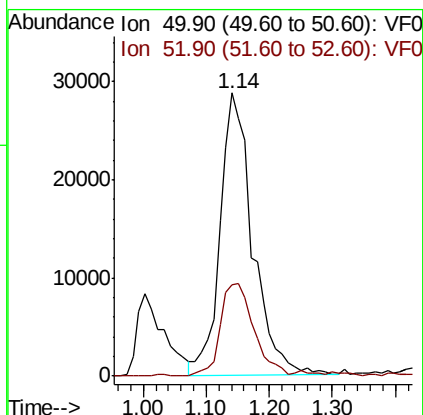
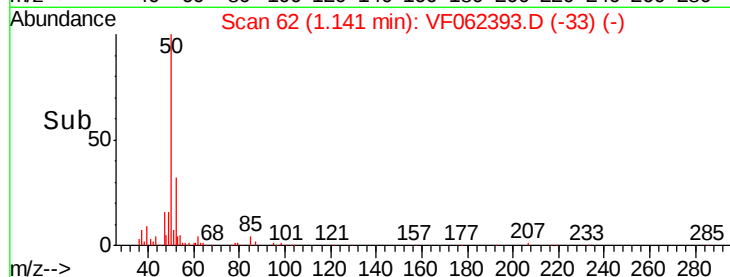
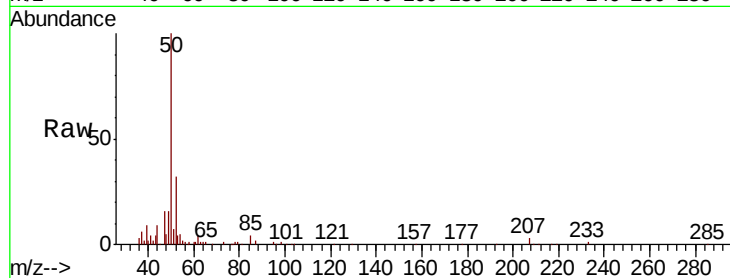
VSTDCCC050

Tgt Ion: 50 Resp: 103200

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



#4

Vinyl Chloride

Concen: 45.418 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062393.D

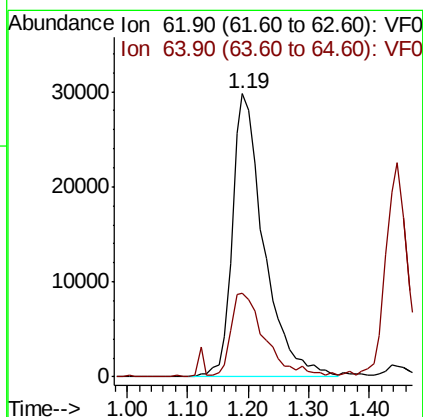
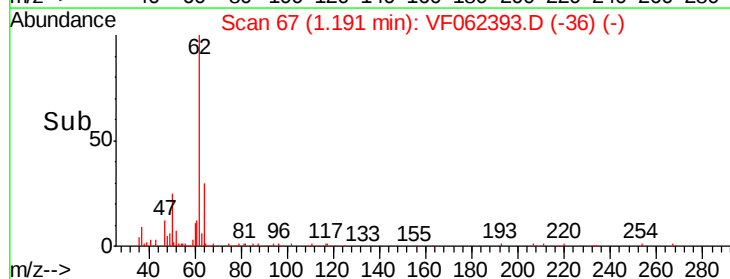
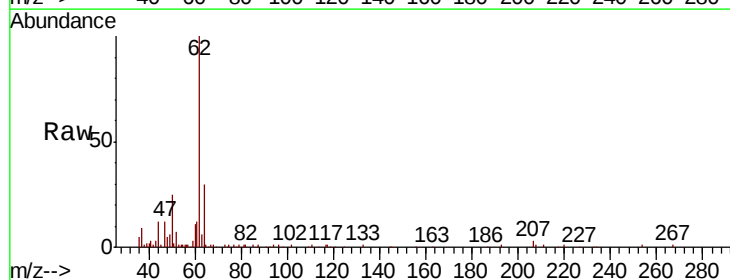
Acq: 9 May 2019 12:41

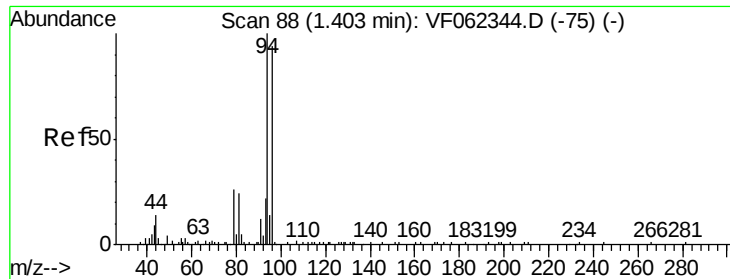
Tgt Ion: 62 Resp: 107753

Ion Ratio Lower Upper

62 100

64 29.2 26.1 39.1





#5

Bromomethane

Concen: 52.997 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

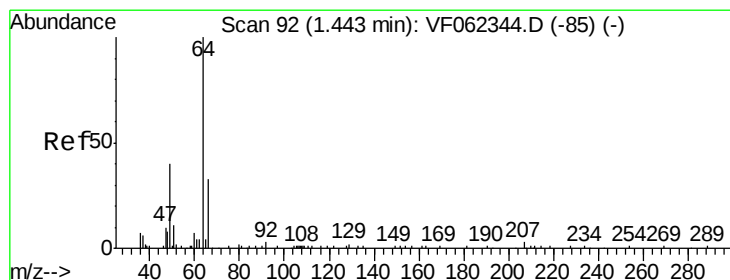
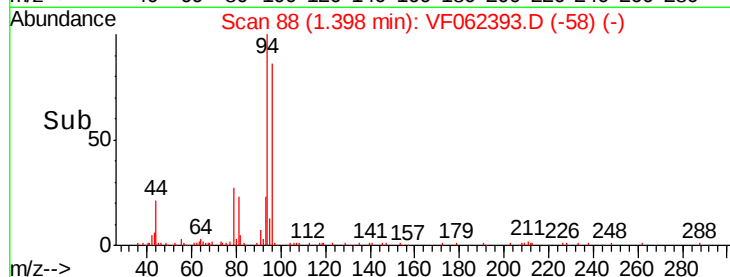
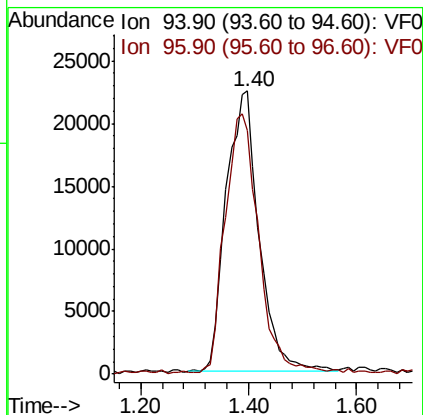
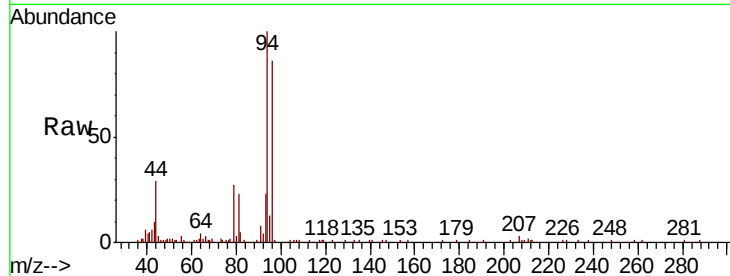
VSTDCCC050

Tgt Ion: 94 Resp: 94604

Ion Ratio Lower Upper

94 100

96 86.1 75.4 113.2



#6

Chloroethane

Concen: 48.146 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062393.D

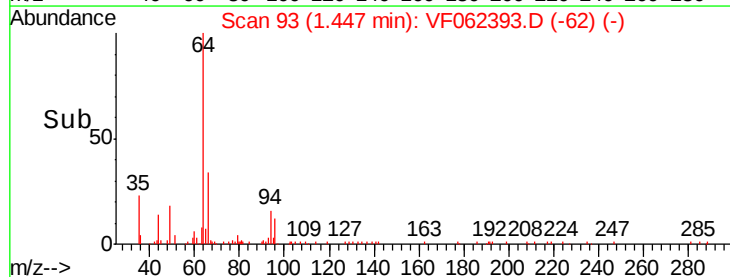
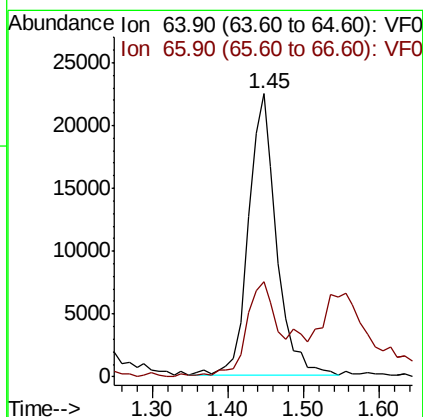
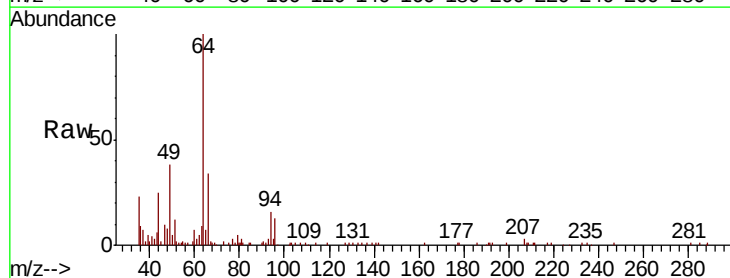
Acq: 9 May 2019 12:41

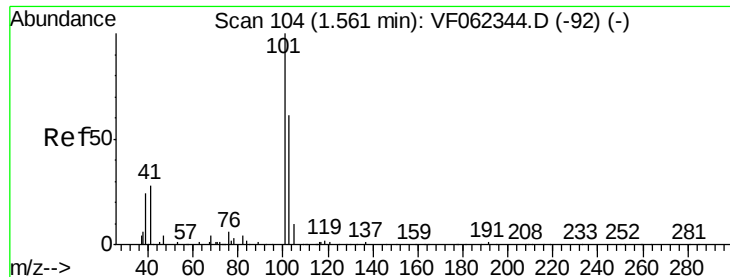
Tgt Ion: 64 Resp: 57427

Ion Ratio Lower Upper

64 100

66 33.1 26.6 39.8



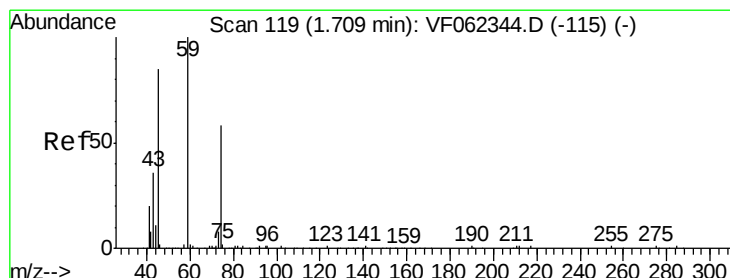
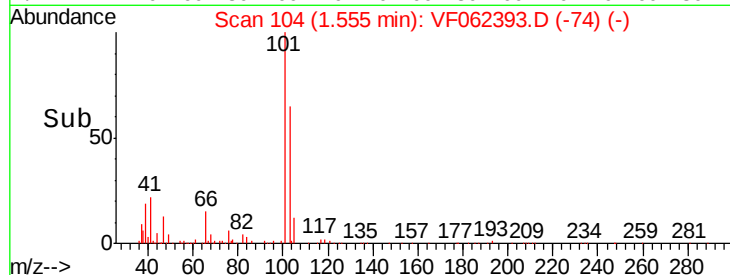
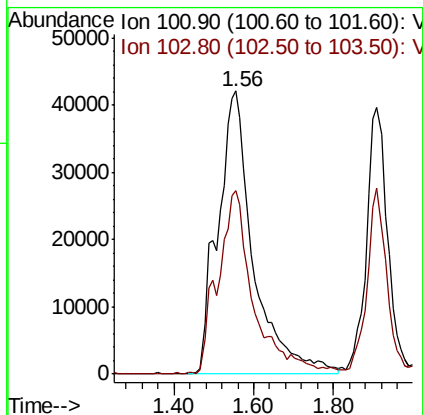
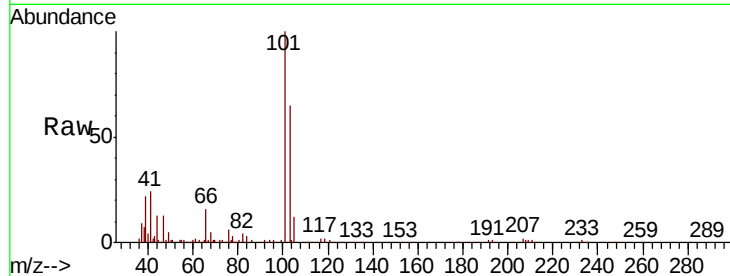


#7

Trichlorofluoromethane
Concen: 53.269 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
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ClientSampleId :
VSTDCCC050

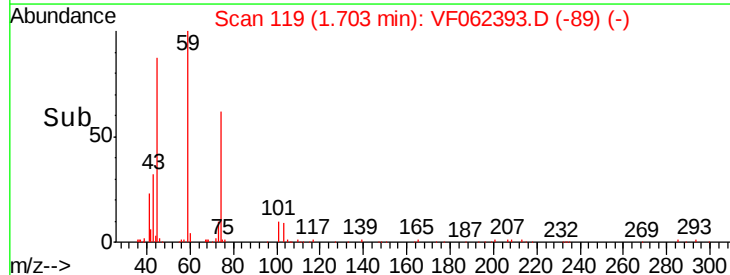
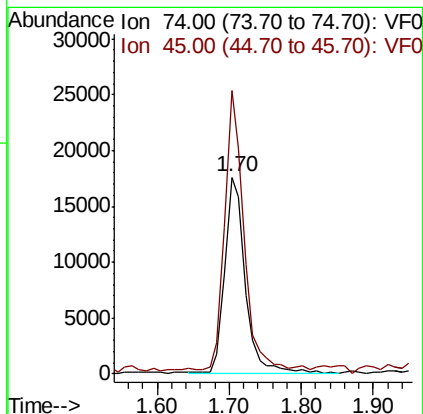
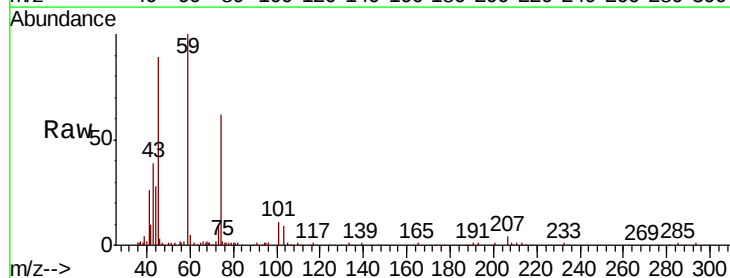
Tgt Ion:101 Resp: 262212
Ion Ratio Lower Upper
101 100
103 64.0 48.5 72.7

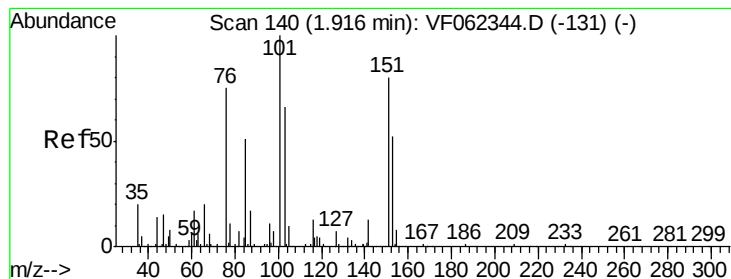


#8

Diethyl Ether
Concen: 47.454 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 74 Resp: 35344
Ion Ratio Lower Upper
74 100
45 128.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.079 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

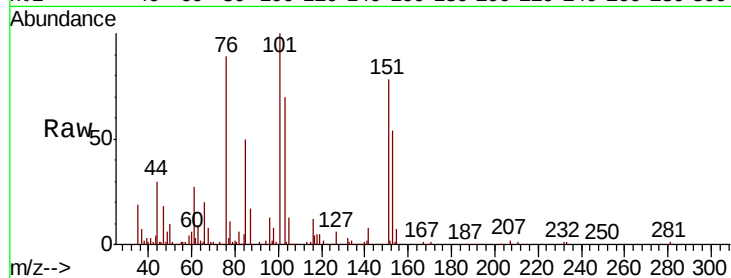
Tgt Ion:101 Resp: 140736

Ion Ratio Lower Upper

101 100

85 50.8 39.5 59.3

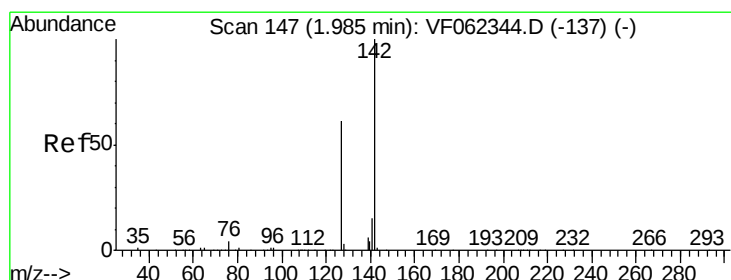
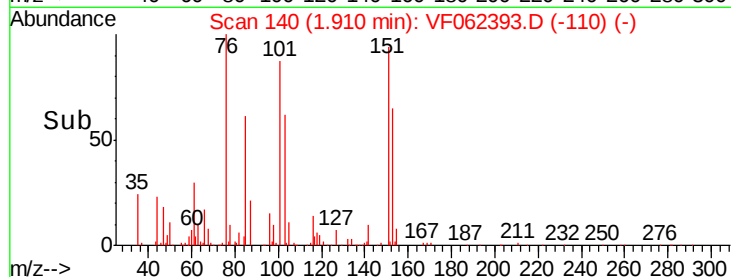
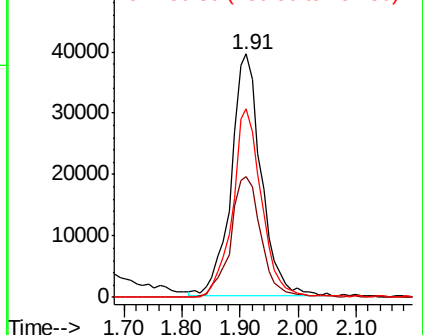
151 76.1 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.084 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

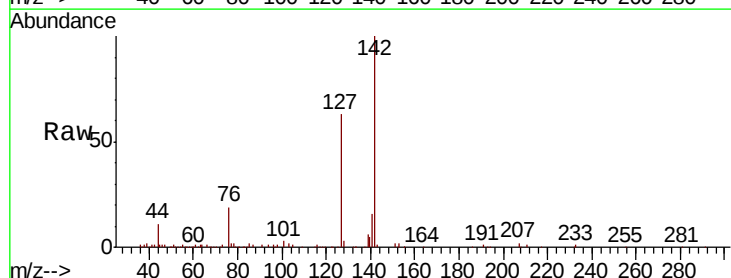
Tgt Ion:142 Resp: 236577

Ion Ratio Lower Upper

142 100

127 61.6 48.4 72.6

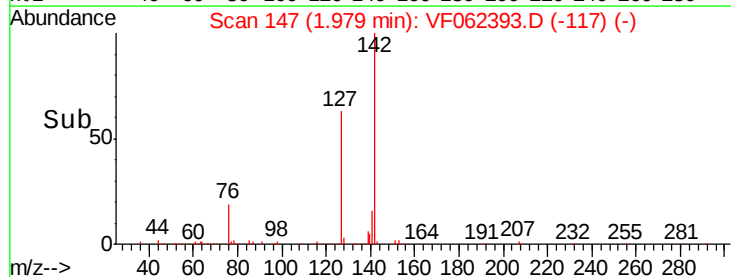
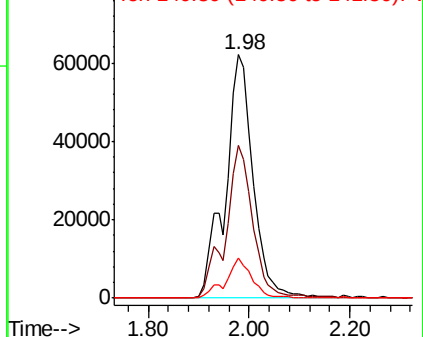
141 15.3 12.2 18.4

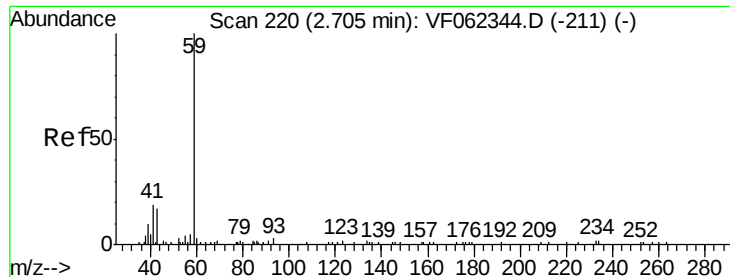


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

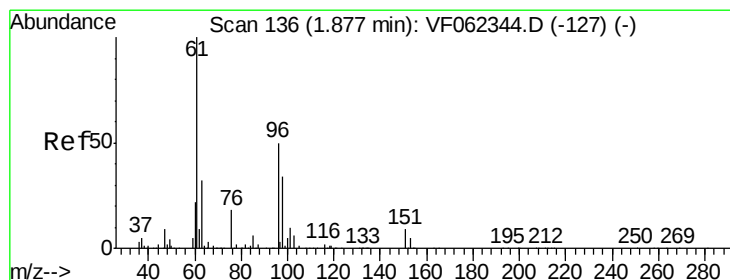
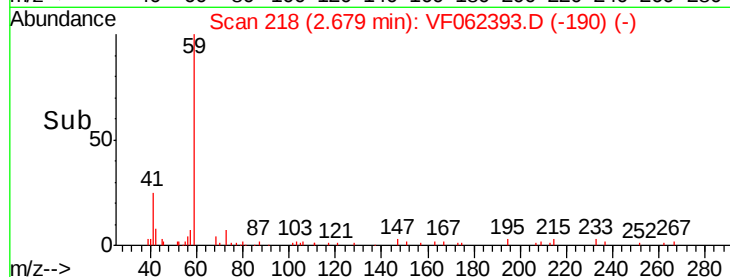
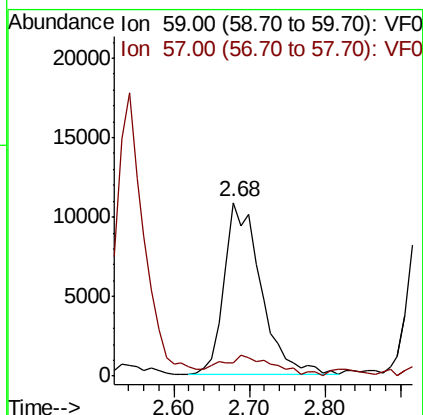
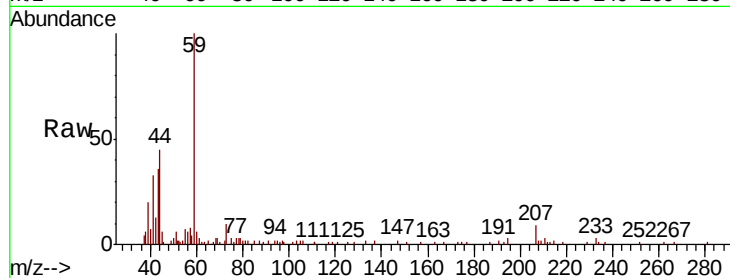




#11
Tert butyl alcohol
Concen: 216.504 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.03 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

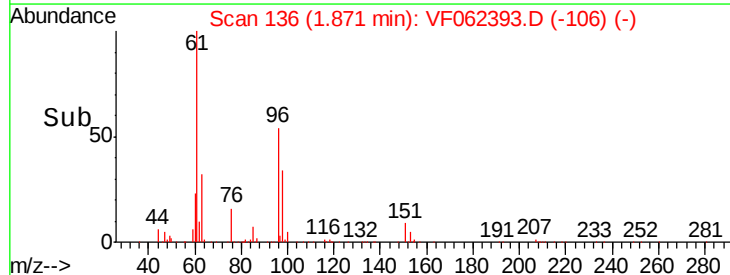
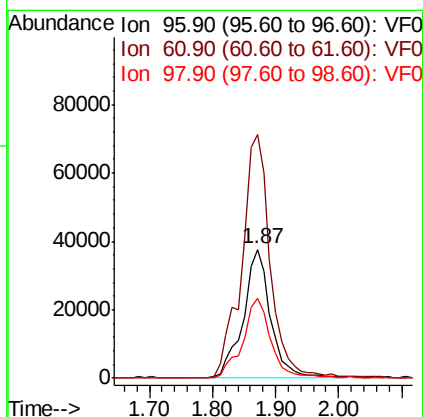
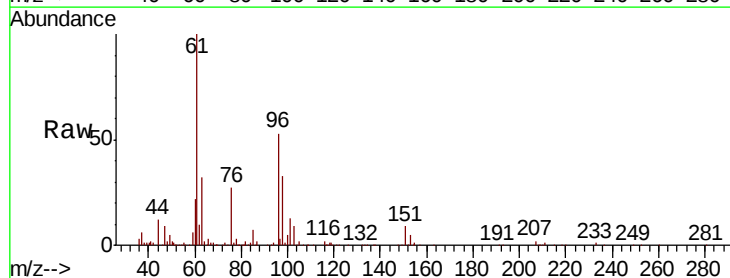
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

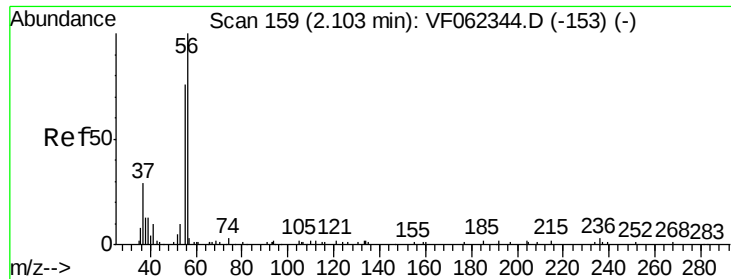
Tgt Ion: 59 Resp: 36034
Ion Ratio Lower Upper
59 100
57 13.0 9.3 13.9



#12
1,1-Dichloroethene
Concen: 47.981 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 96 Resp: 114631
Ion Ratio Lower Upper
96 100
61 188.7 163.2 244.8
98 61.9 55.2 82.8

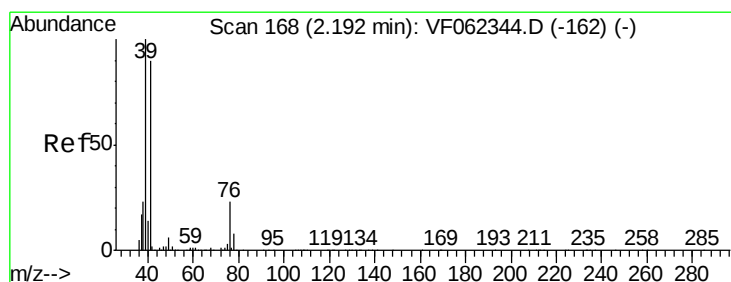
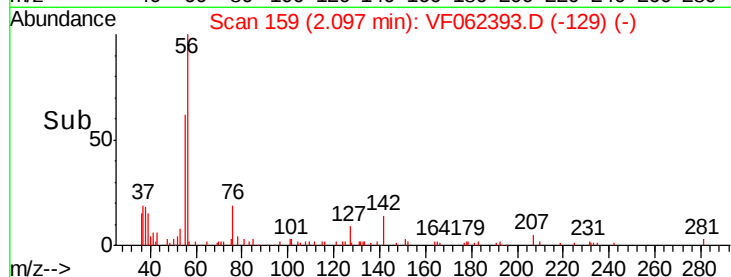
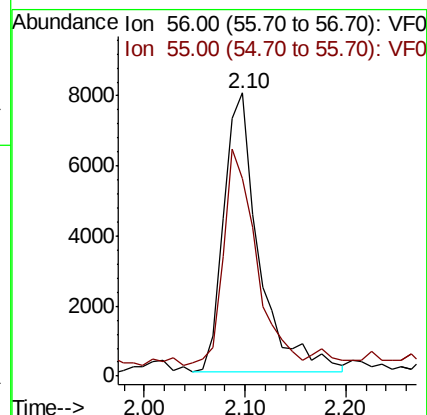
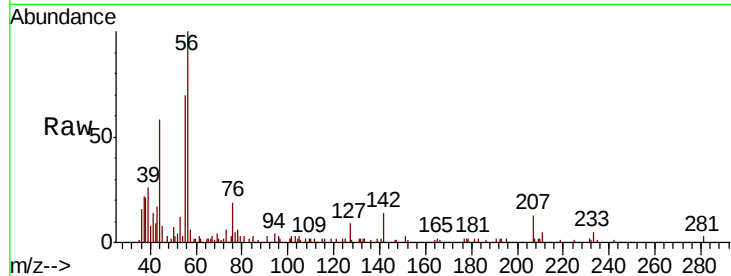




#13
Acrolein
Concen: 182.101 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

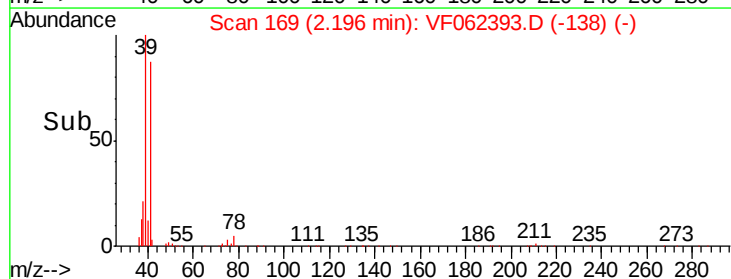
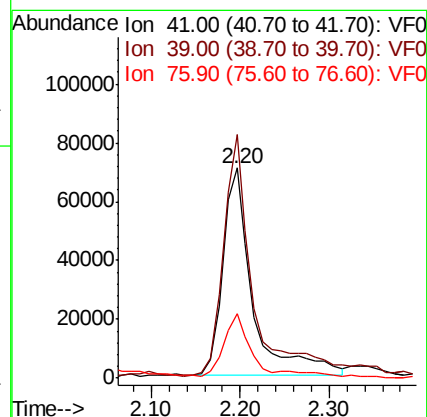
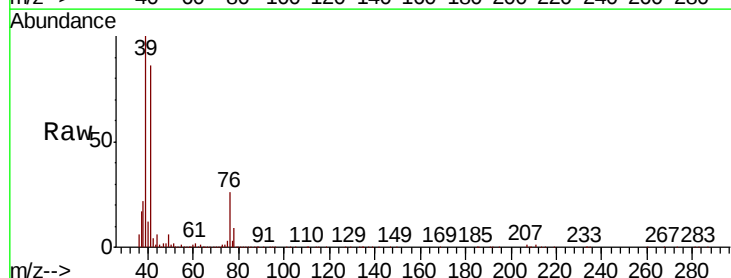
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 19324
Ion Ratio Lower Upper
56 100
55 72.5 58.4 87.6



#14
Allyl chloride
Concen: 78.948 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 41 Resp: 166613
Ion Ratio Lower Upper
41 100
39 115.6 90.8 136.2
76 30.1 22.2 33.4





#15

Acrylonitrile

Concen: 264.099 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

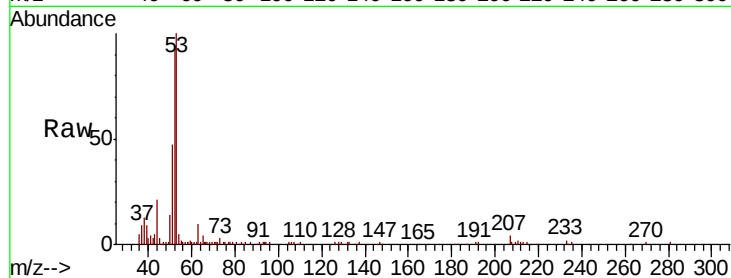
Tgt Ion: 53 Resp: 83263

Ion Ratio Lower Upper

53 100

52 95.3 77.2 115.8

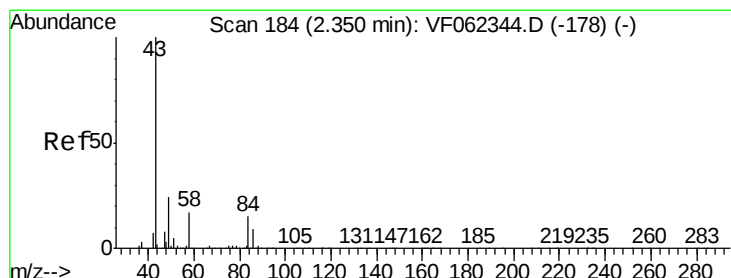
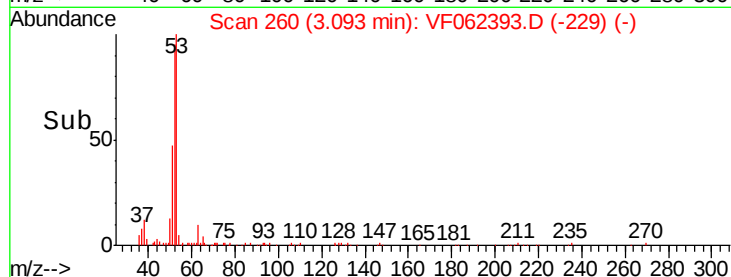
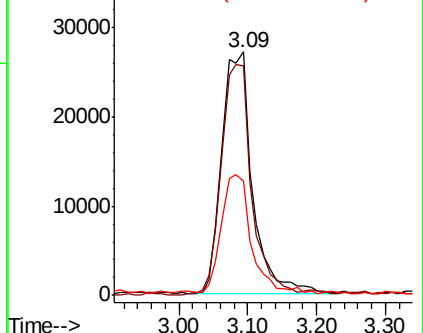
51 49.3 40.6 61.0



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: 299.471 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062393.D

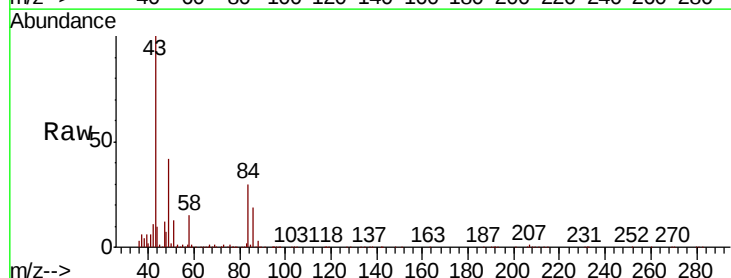
Acq: 9 May 2019 12:41

Tgt Ion: 43 Resp: 178402

Ion Ratio Lower Upper

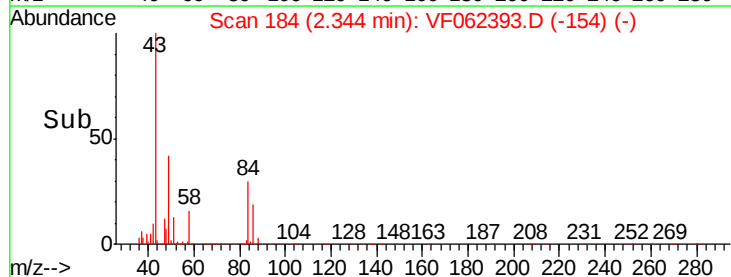
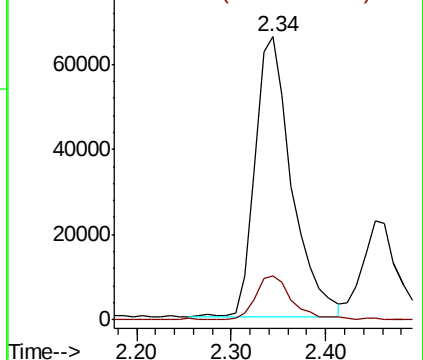
43 100

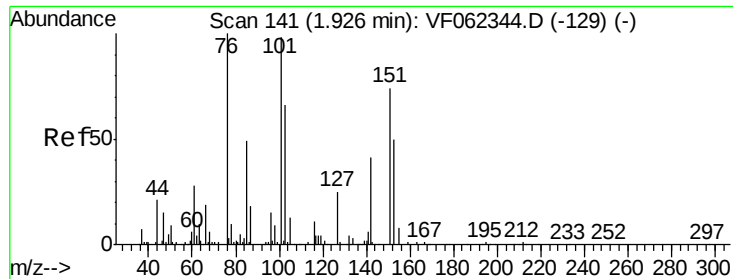
58 15.0 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

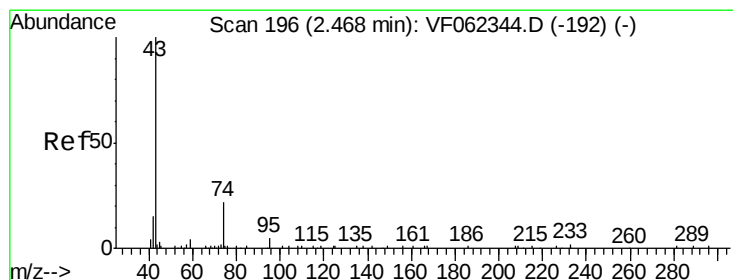
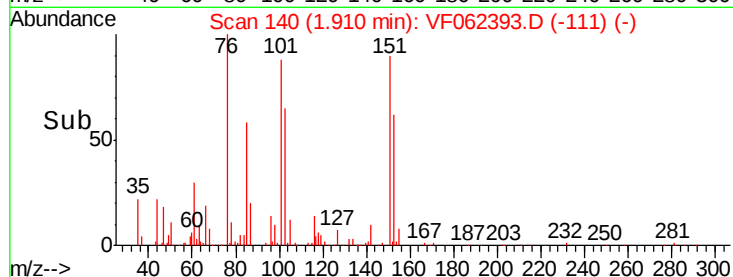
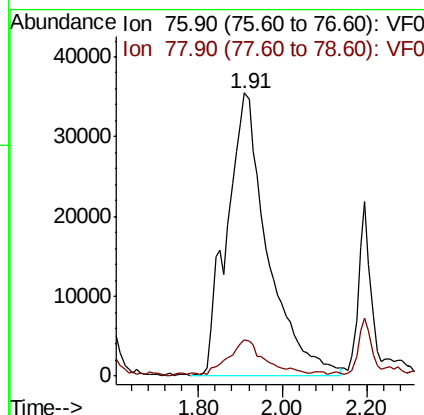
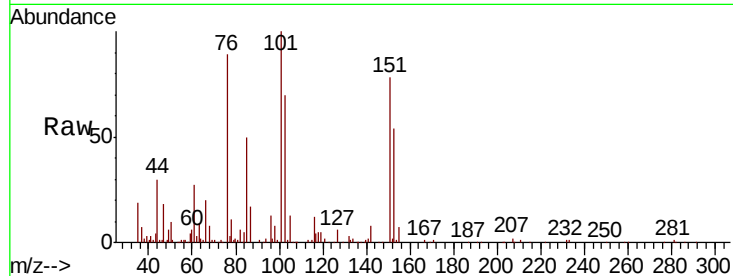




#17
Carbon Disulfide
Concen: 45.159 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.02 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

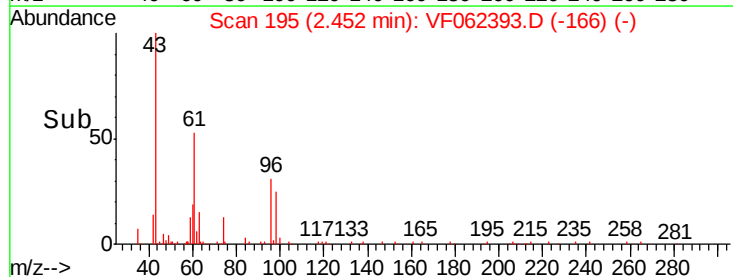
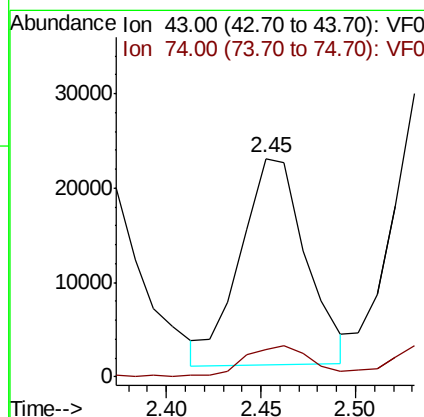
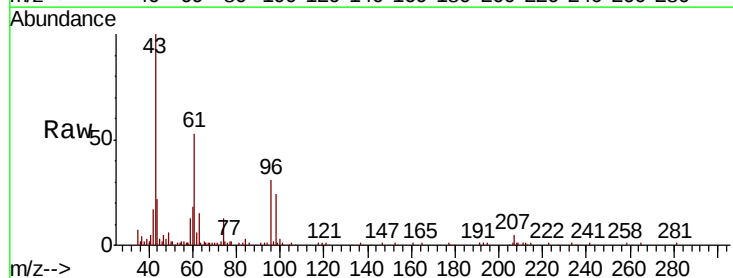
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

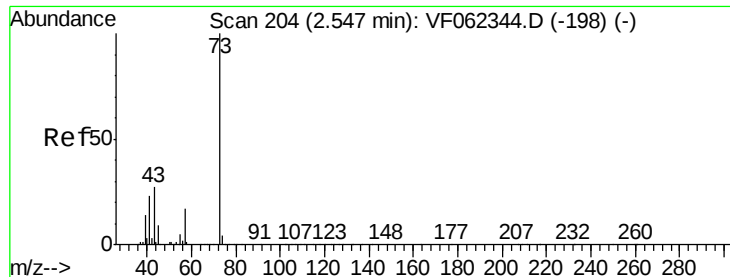
Tgt Ion: 76 Resp: 235249
Ion Ratio Lower Upper
76 100
78 11.5 9.0 13.4



#18
Methyl Acetate
Concen: 48.503 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 43 Resp: 52796
Ion Ratio Lower Upper
43 100
74 15.8 15.0 22.4



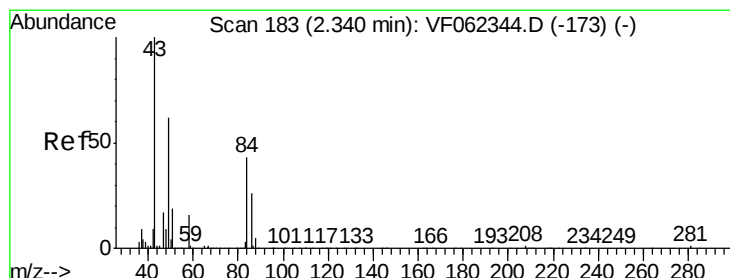
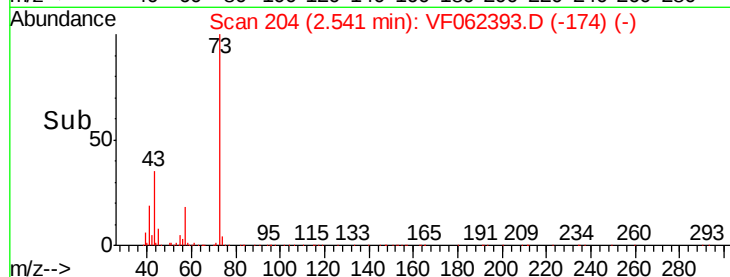
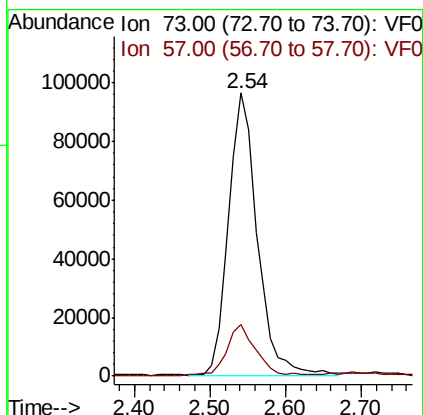
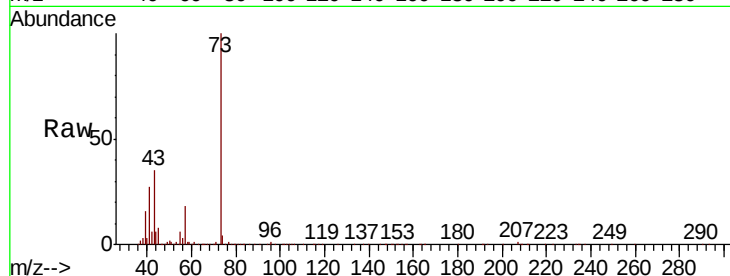


#19

Methyl tert-butyl Ether
 Concen: 51.112 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

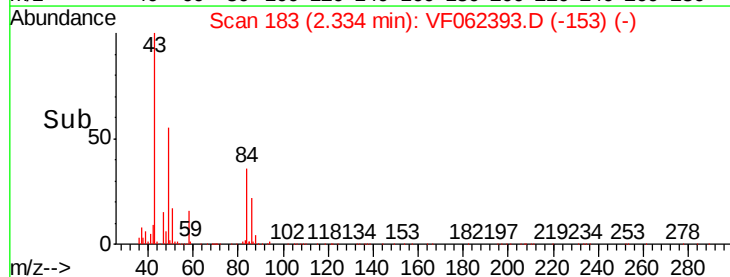
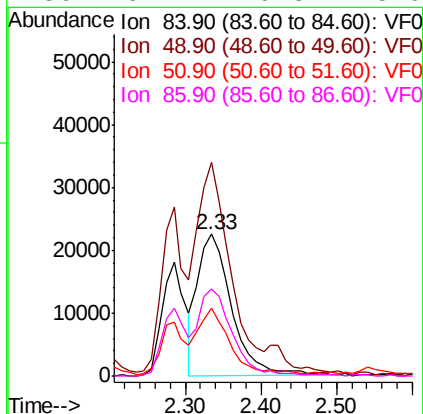
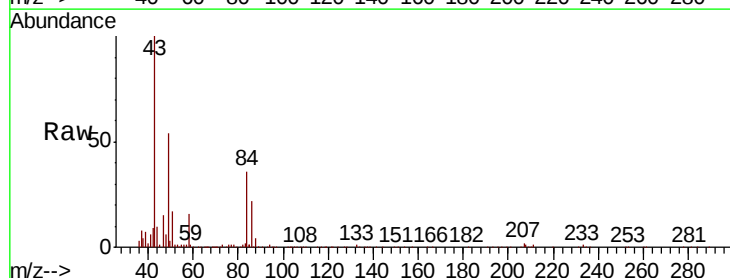
Tgt Ion: 73 Resp: 252069
 Ion Ratio Lower Upper
 73 100
 57 18.1 13.7 20.5

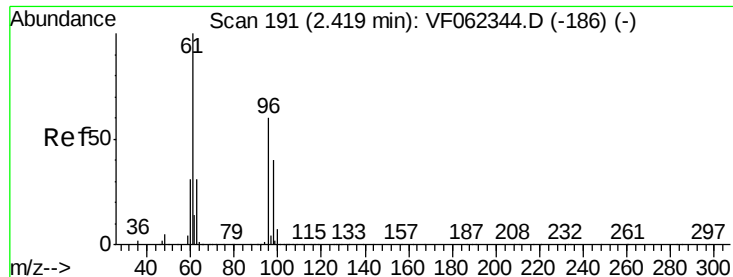


#20

Methylene Chloride
 Concen: 32.341 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion: 84 Resp: 69705
 Ion Ratio Lower Upper
 84 100
 49 149.0 117.5 176.3
 51 46.4 37.0 55.4
 86 61.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.837 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

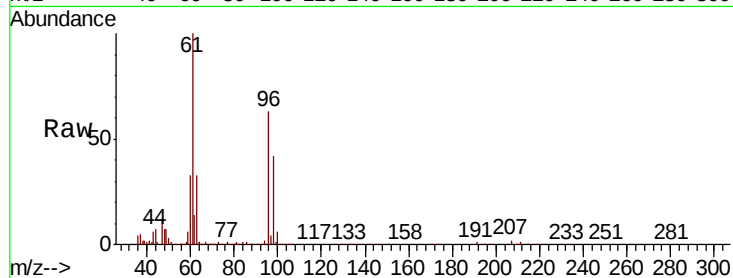
Tgt Ion: 96 Resp: 108887

Ion Ratio Lower Upper

96 100

61 157.7 133.2 199.8

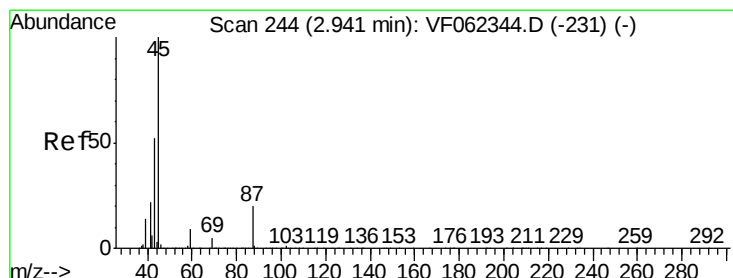
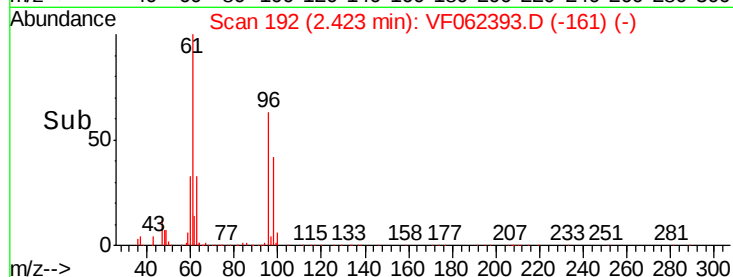
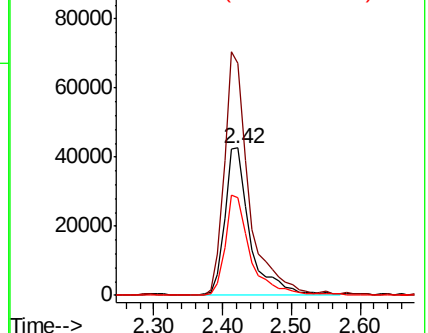
98 66.5 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 50.931 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion: 45 Resp: 335939

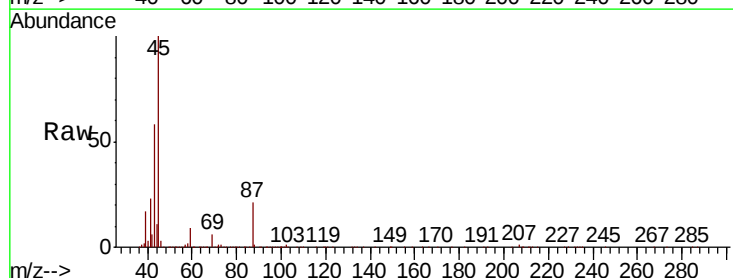
Ion Ratio Lower Upper

45 100

43 57.3 41.4 62.0

87 21.1 15.8 23.6

59 8.5 7.2 10.8

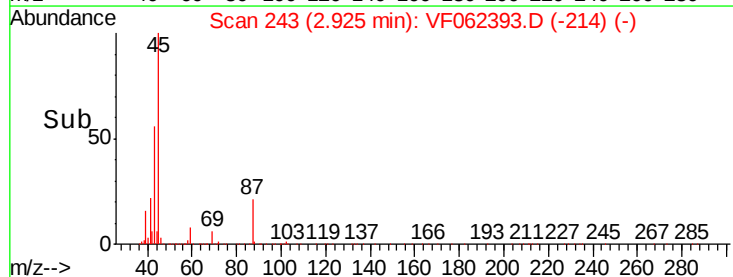
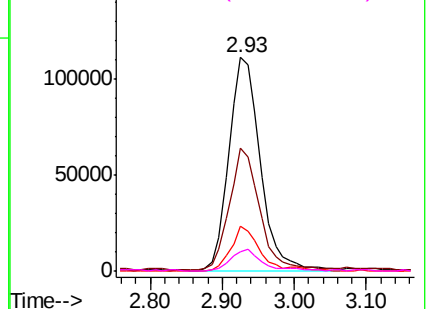


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 256.678 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

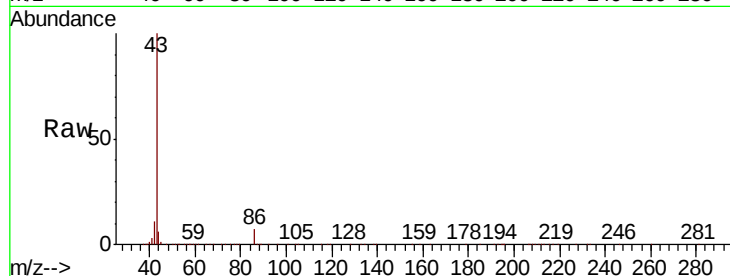
VSTDCCC050

Tgt Ion: 43 Resp: 754569

Ion Ratio Lower Upper

43 100

86 7.5 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

300000

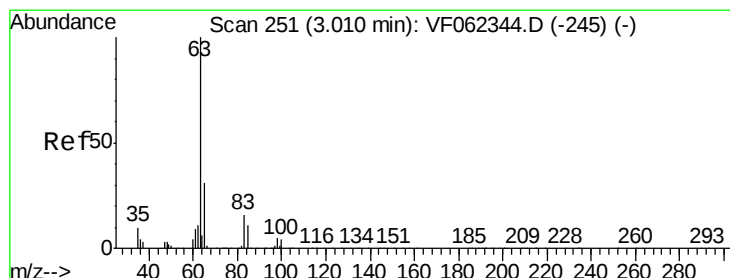
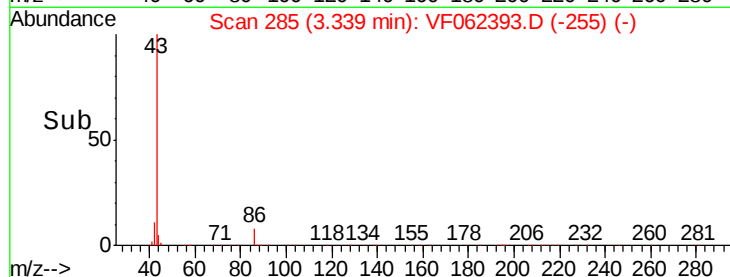
200000

100000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 52.957 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

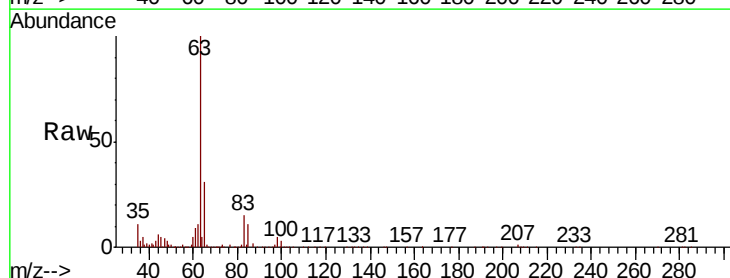
Tgt Ion: 63 Resp: 211111

Ion Ratio Lower Upper

63 100

98 4.8 2.6 8.0

100 2.6 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

100000

80000

60000

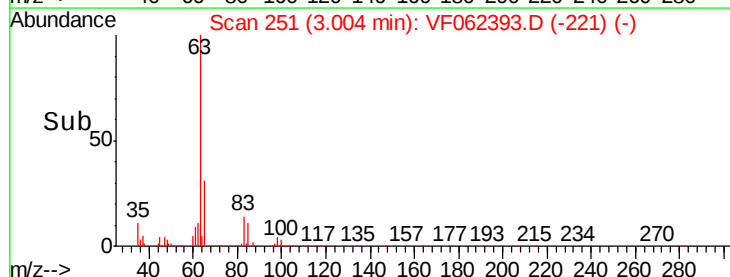
40000

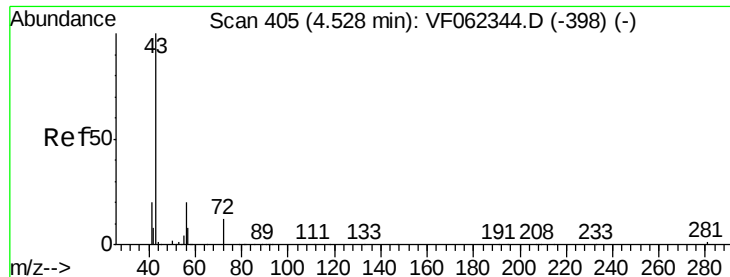
20000

0

Time-->

2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 253.724 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

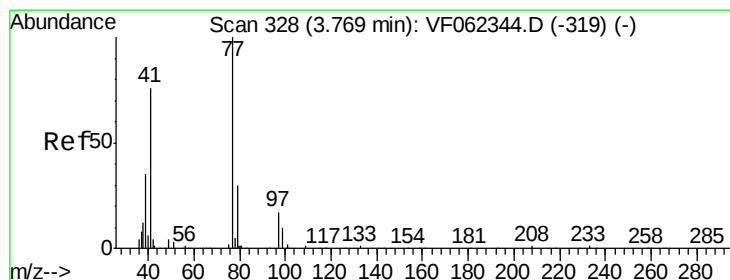
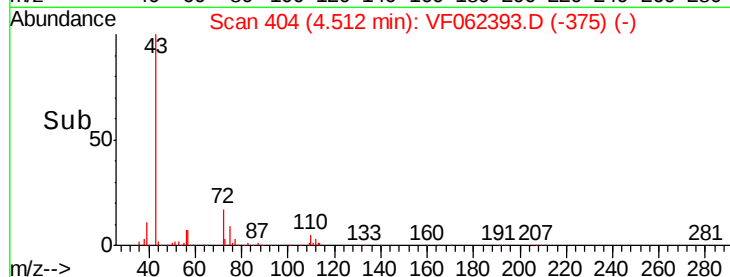
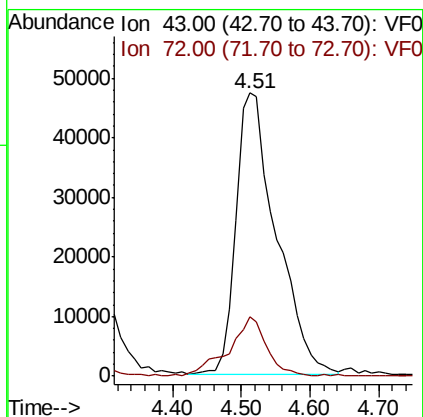
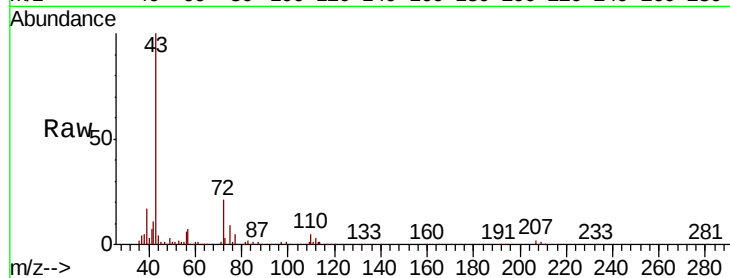
VSTDCCC050

Tgt Ion: 43 Resp: 189893

Ion Ratio Lower Upper

43 100

72 20.4 14.2 21.4



#26

2,2-Dichloropropane

Concen: 56.598 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062393.D

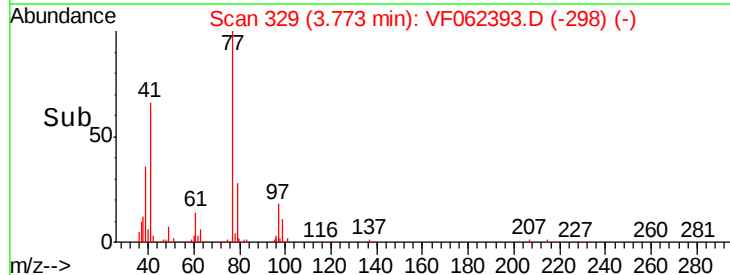
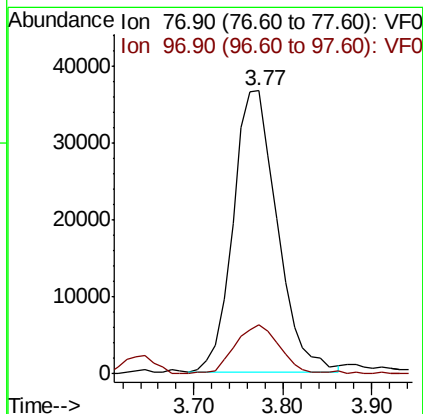
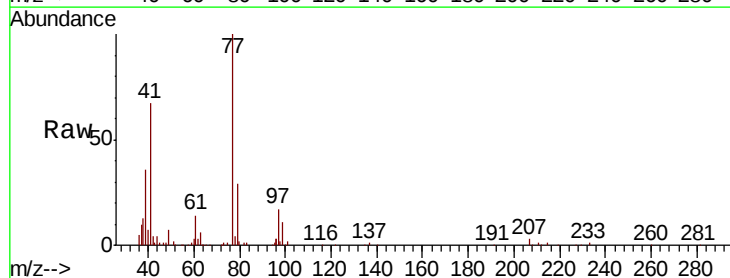
Acq: 9 May 2019 12:41

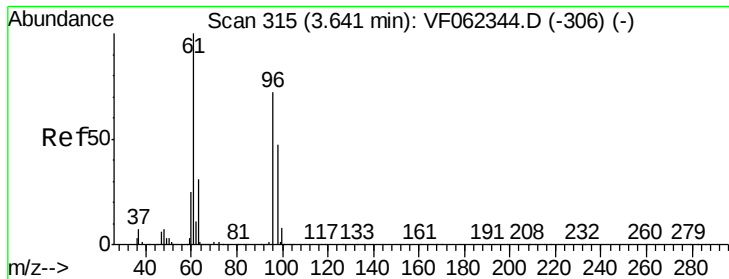
Tgt Ion: 77 Resp: 125999

Ion Ratio Lower Upper

77 100

97 18.2 9.5 28.5



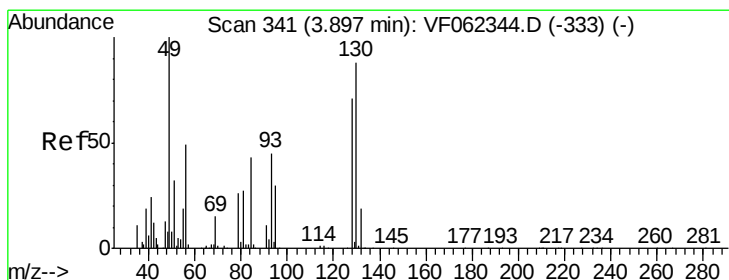
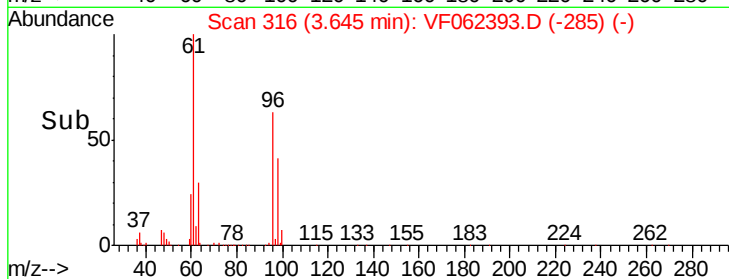
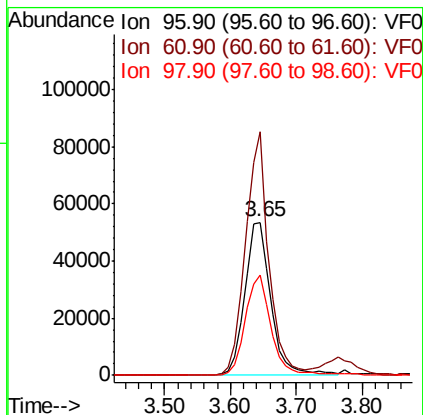
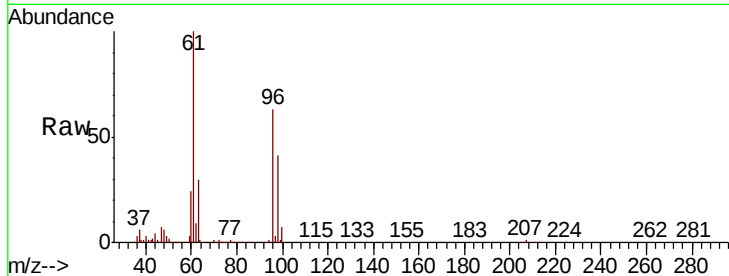


#27

cis-1,2-Dichloroethene
Concen: 51.950 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

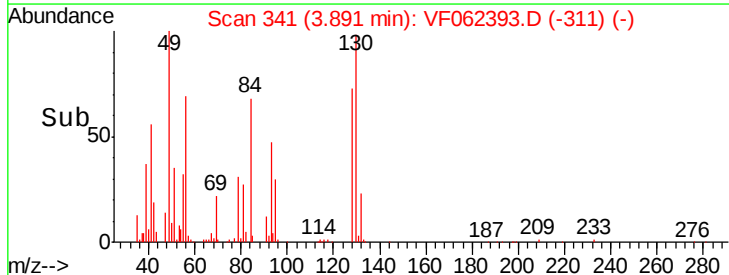
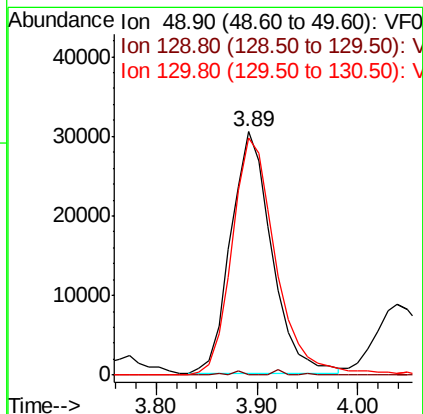
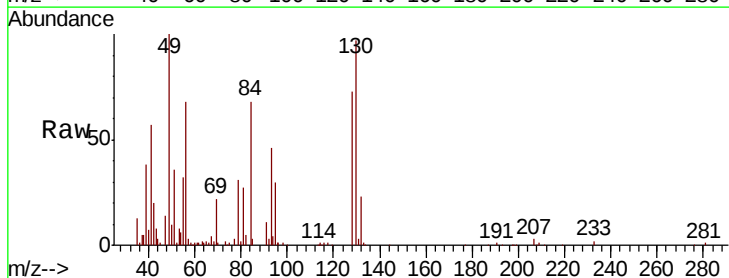
Tgt Ion: 96 Resp: 147814
Ion Ratio Lower Upper
96 100
61 142.4 0.0 263.0
98 65.0 0.0 130.8

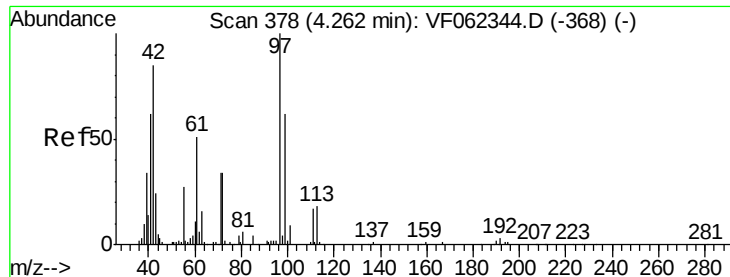


#28

Bromochloromethane
Concen: 47.520 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 49 Resp: 85913
Ion Ratio Lower Upper
49 100
129 0.6 0.0 2.2
130 105.3 79.4 119.0





#29

Tetrahydrofuran

Concen: 223.963 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

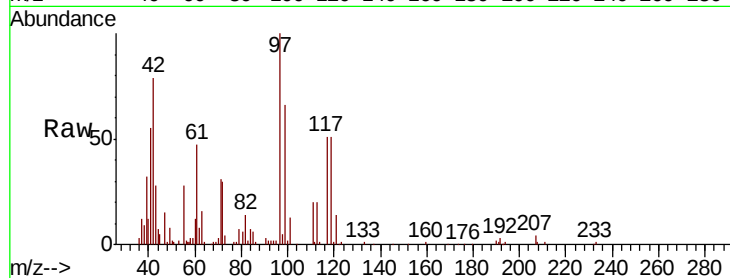
Tgt Ion: 42 Resp: 77037

Ion Ratio Lower Upper

42 100

72 36.4 31.4 47.0

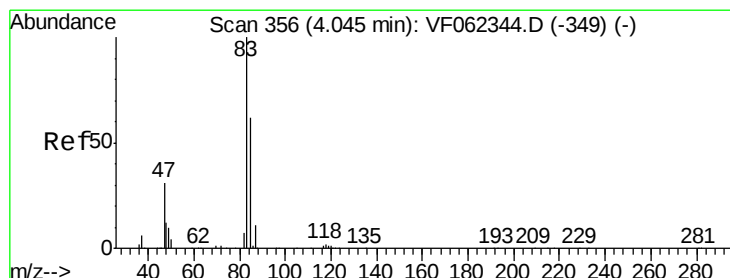
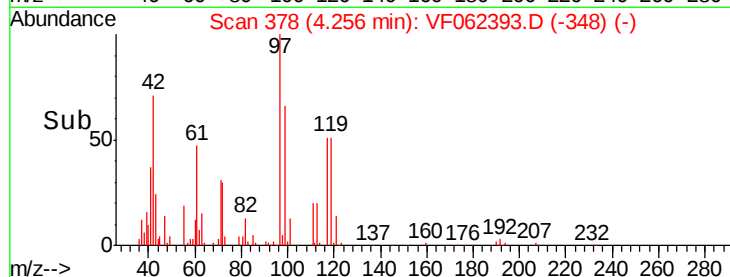
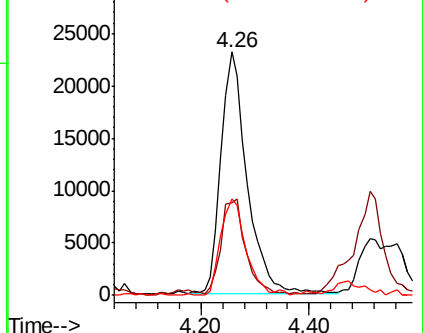
71 38.1 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 54.216 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062393.D

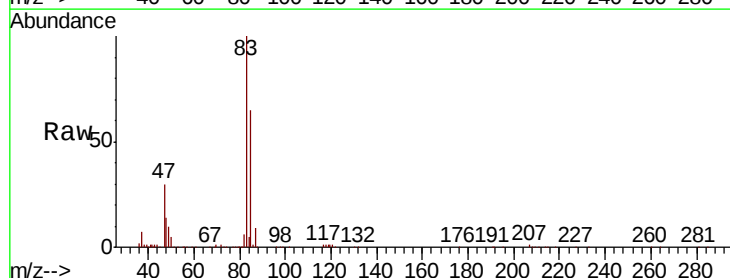
Acq: 9 May 2019 12:41

Tgt Ion: 83 Resp: 291991

Ion Ratio Lower Upper

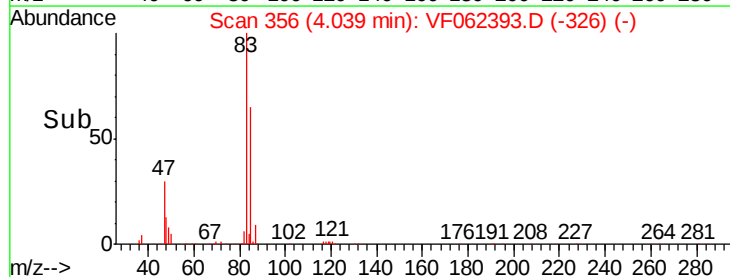
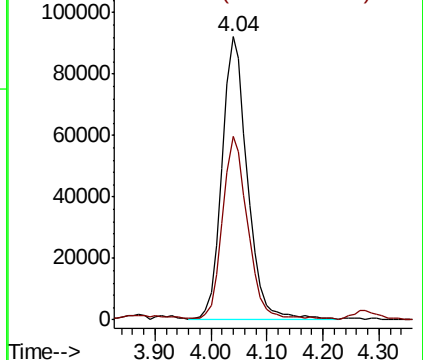
83 100

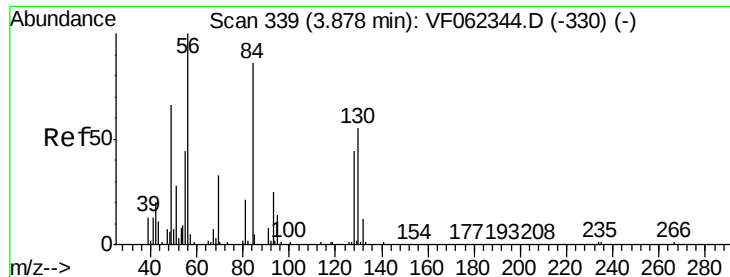
85 64.6 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

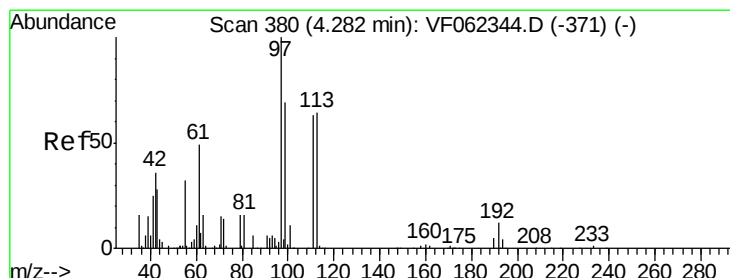
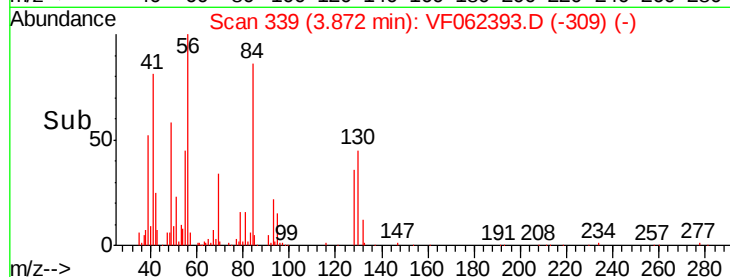
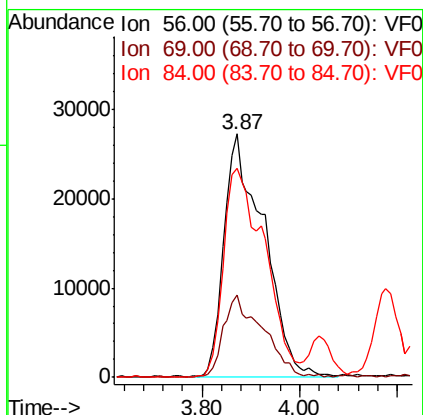
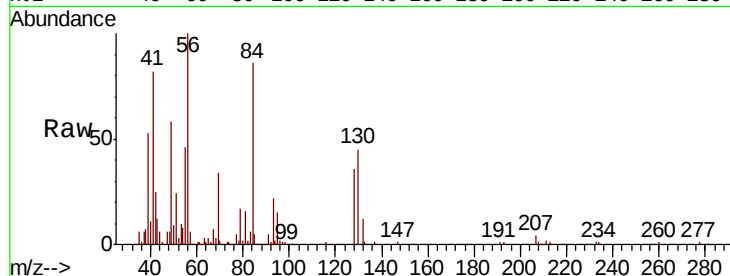




#31
Cyclohexane
Concen: 48.460 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

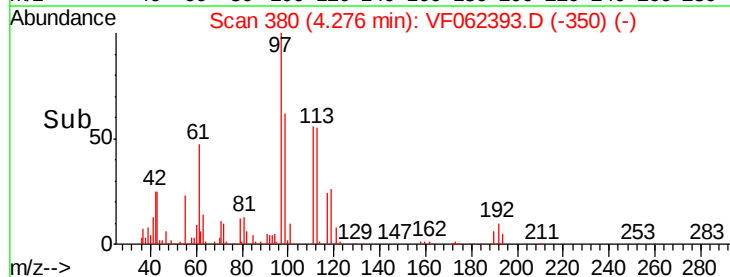
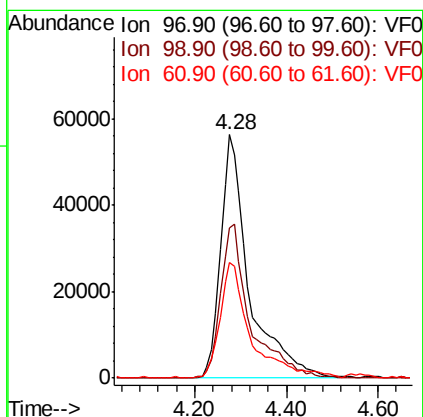
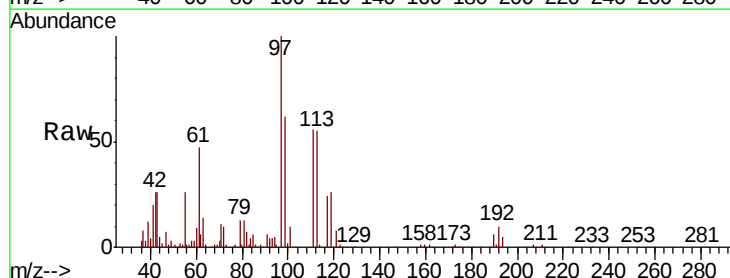
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

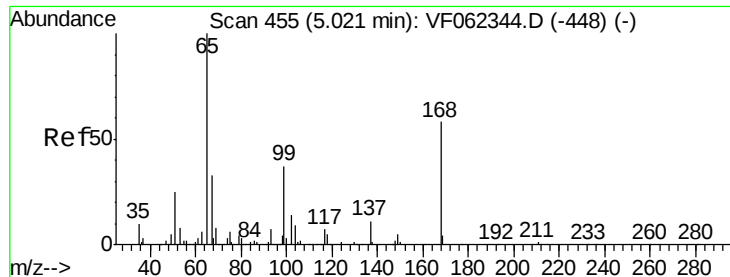
Tgt Ion: 56 Resp: 154194
Ion Ratio Lower Upper
56 100
69 33.9 26.4 39.6
84 86.0 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 52.503 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 97 Resp: 242347
Ion Ratio Lower Upper
97 100
99 65.4 52.6 78.8
61 50.3 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 55.280 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

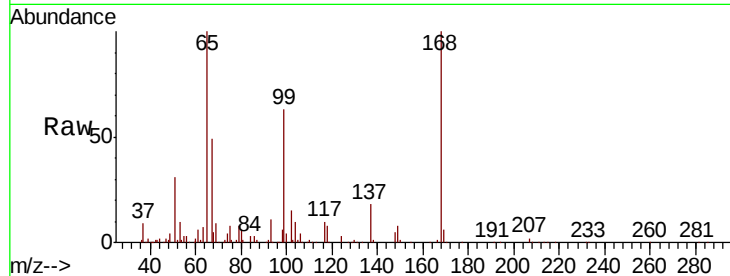
VSTDCCC050

Tgt Ion: 65 Resp: 162791

Ion Ratio Lower Upper

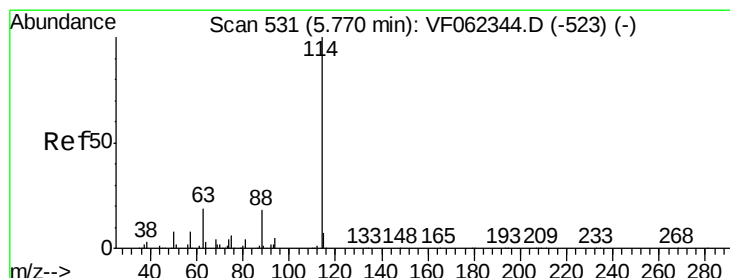
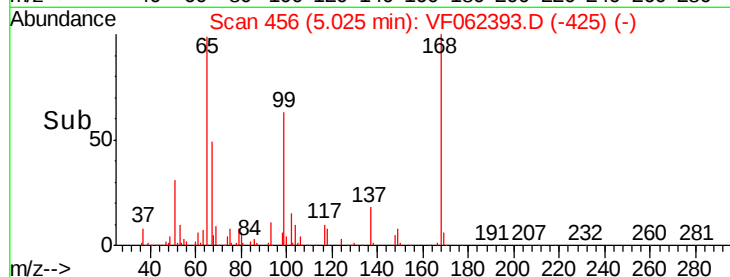
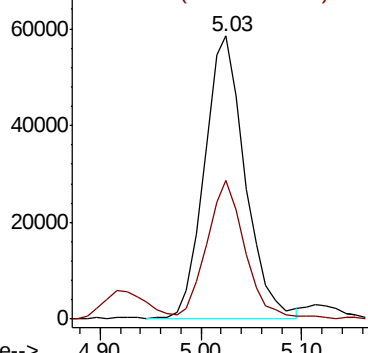
65 100

67 45.8 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

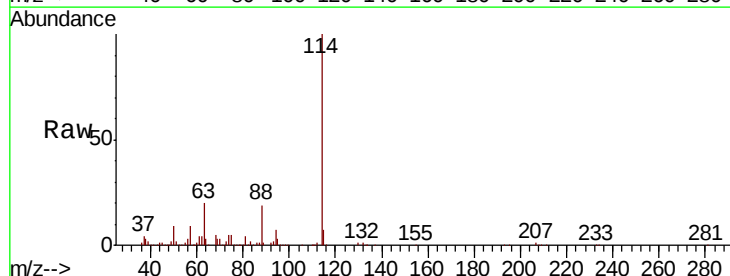
Tgt Ion: 114 Resp: 390807

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

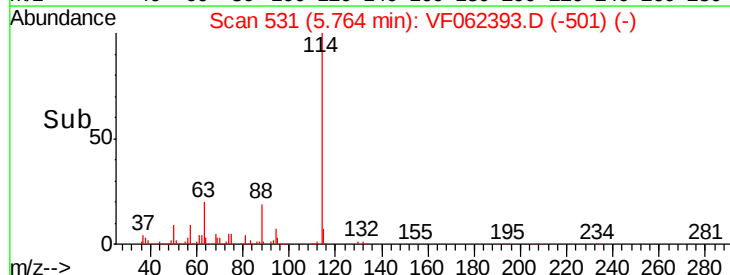
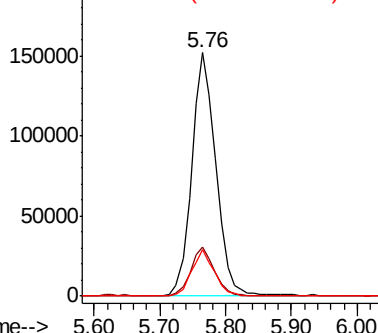
88 18.9 0.0 36.4

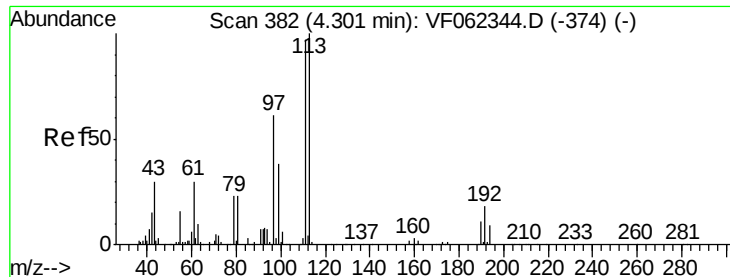


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

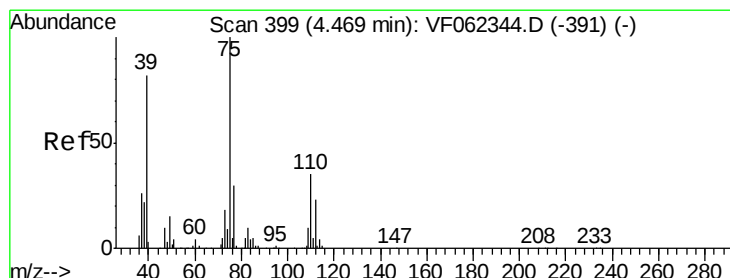
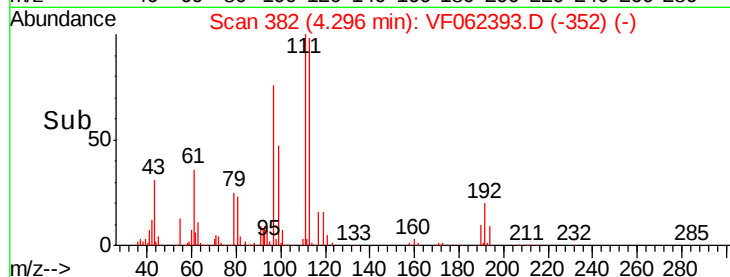
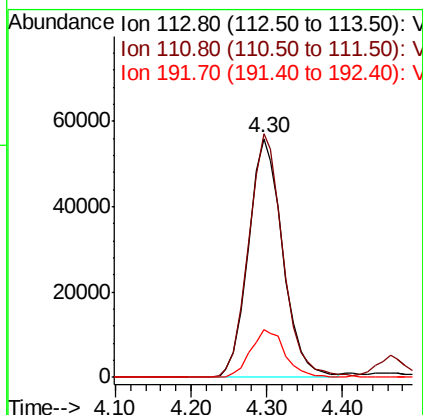
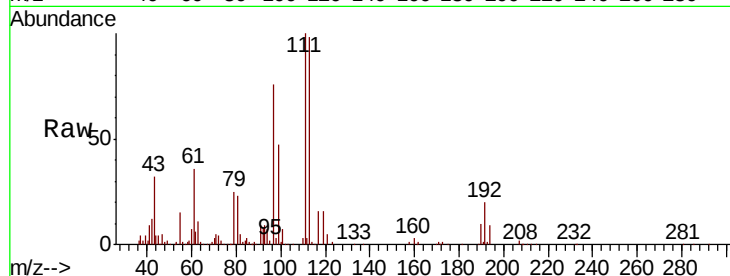




#35
 Dibromofluoromethane
 Concen: 56.825 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

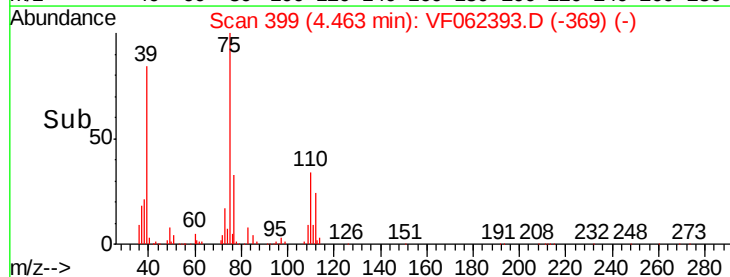
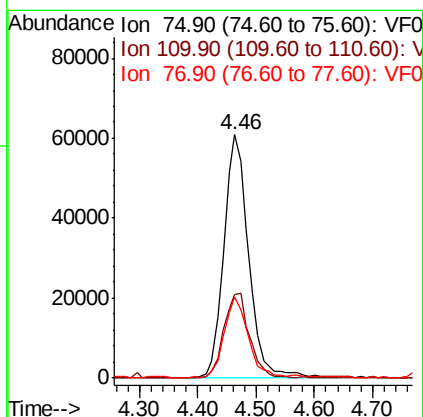
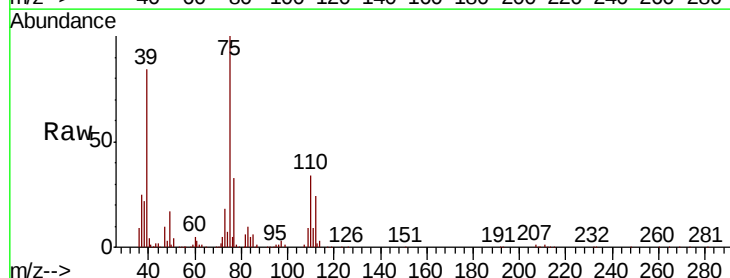
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

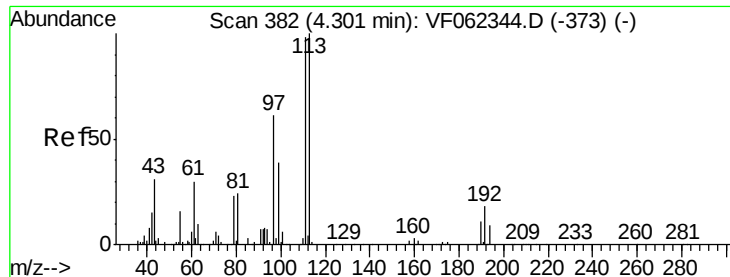
Tgt Ion: 113 Resp: 176923
 Ion Ratio Lower Upper
 113 100
 111 102.0 79.4 119.0
 192 20.1 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 53.785 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion: 75 Resp: 180565
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.2 51.5
 77 32.2 25.2 37.8

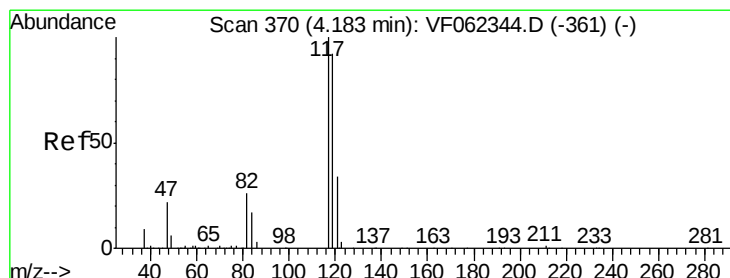
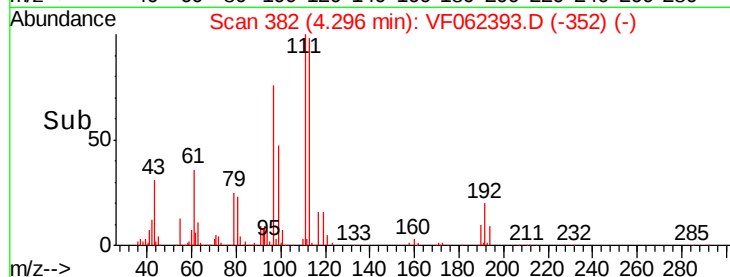
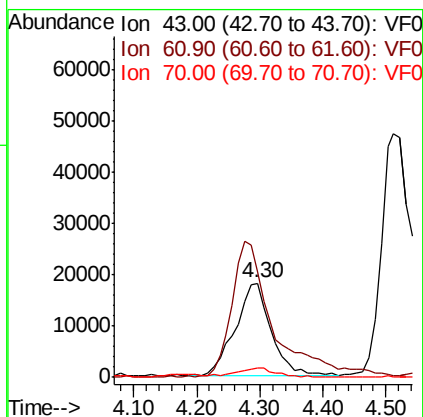
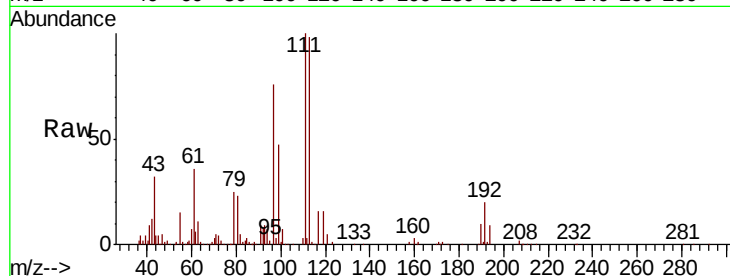




#37
Ethyl Acetate
Concen: 55.535 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

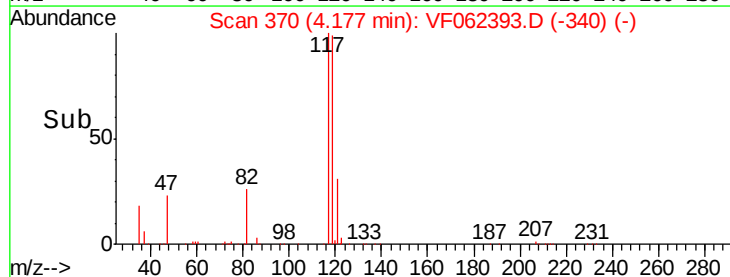
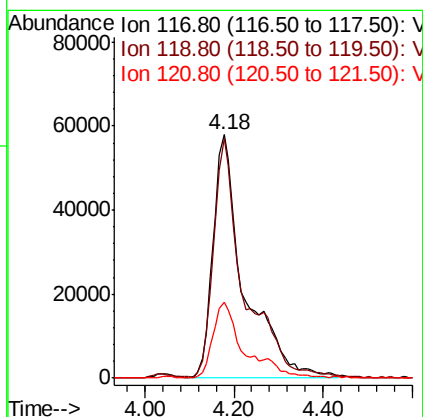
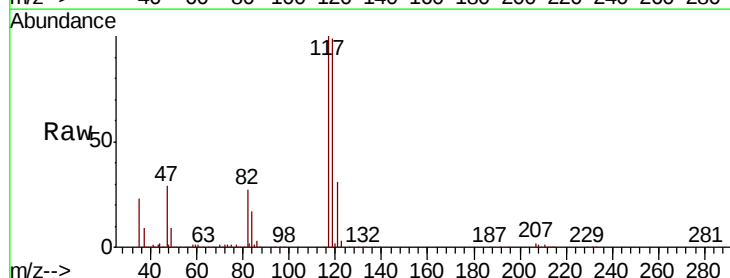
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

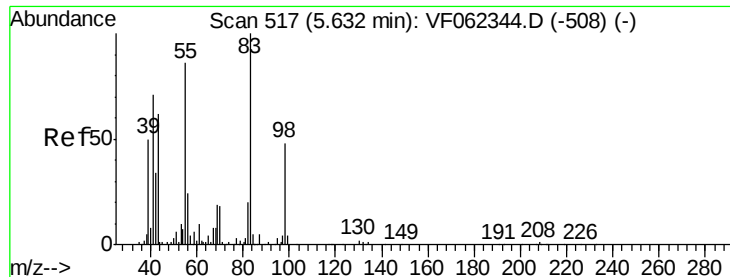
Tgt Ion: 43 Resp: 71838
Ion Ratio Lower Upper
43 100
61 169.6 0.0 0.0#
70 11.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 81.995 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 117 Resp: 279328
Ion Ratio Lower Upper
117 100
119 98.3 73.4 110.2
121 31.1 27.4 41.0

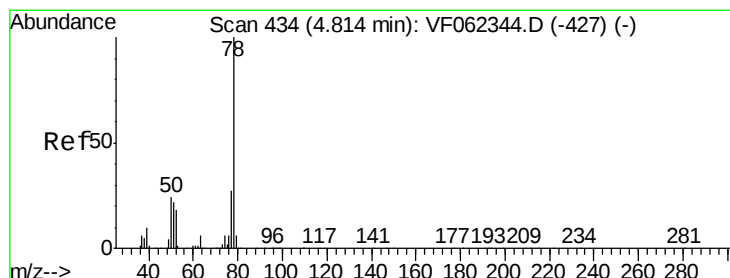
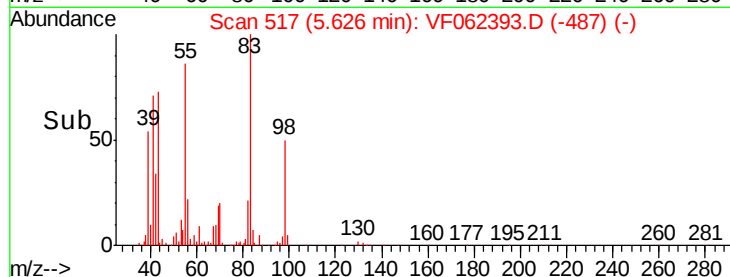
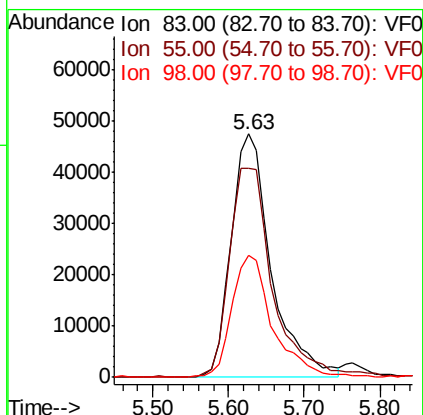
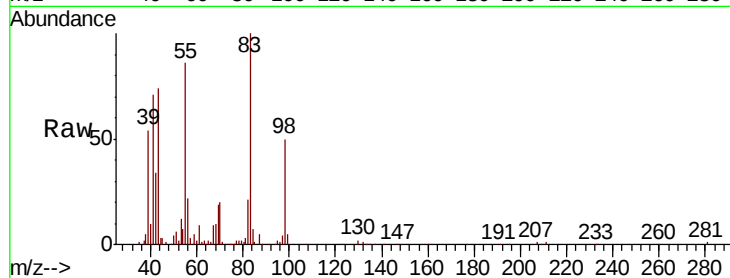




#39
Methylcyclohexane
Concen: 51.813 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

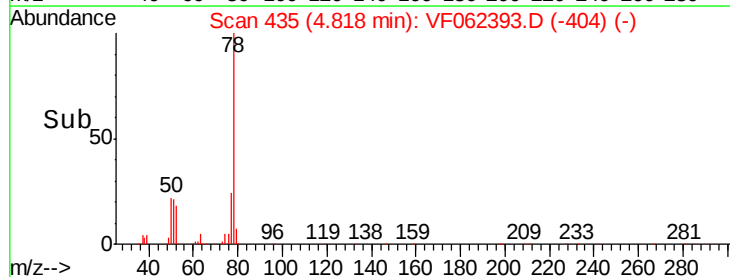
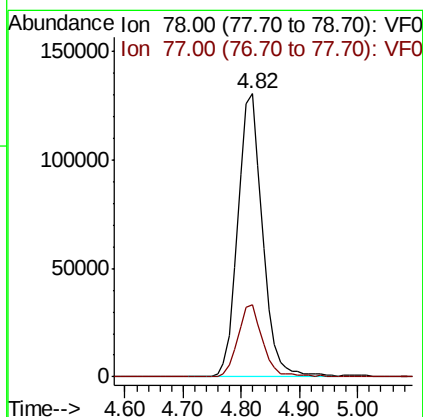
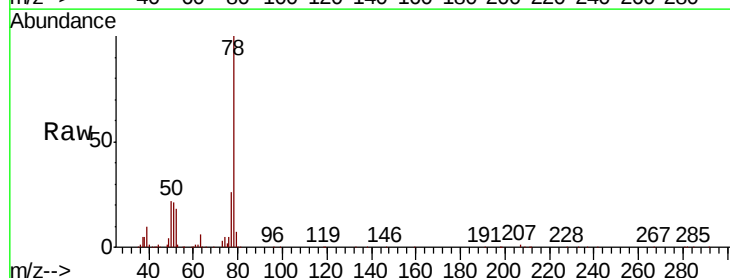
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

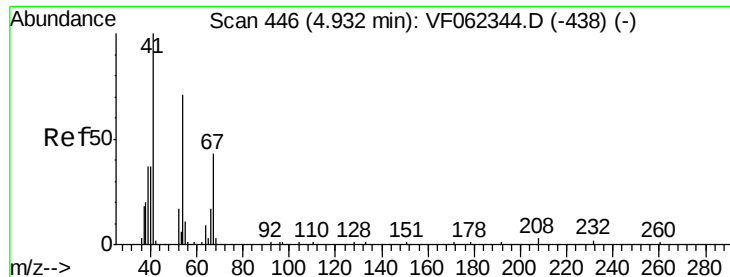
Tgt Ion: 83 Resp: 174452
Ion Ratio Lower Upper
83 100
55 85.4 69.0 103.6
98 50.4 38.6 58.0



#40
Benzene
Concen: 52.310 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 78 Resp: 386714
Ion Ratio Lower Upper
78 100
77 25.5 21.6 32.4





#41

Methacrylonitrile

Concen: 50.005 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 40253

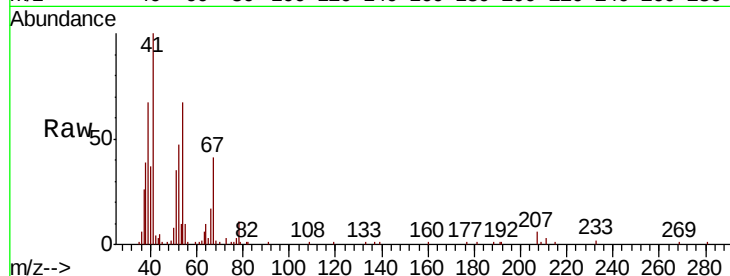
Ion Ratio Lower Upper

41 100

39 78.5 54.3 81.5

67 45.9 37.8 56.8

52 69.6 58.2 87.4

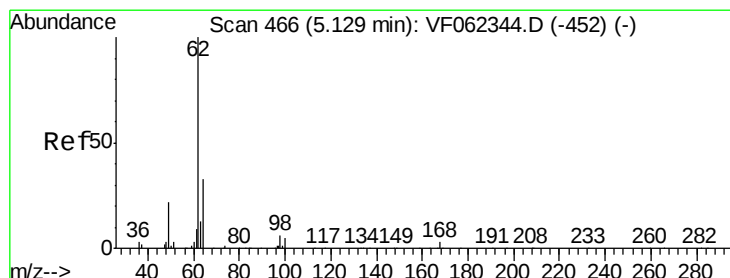
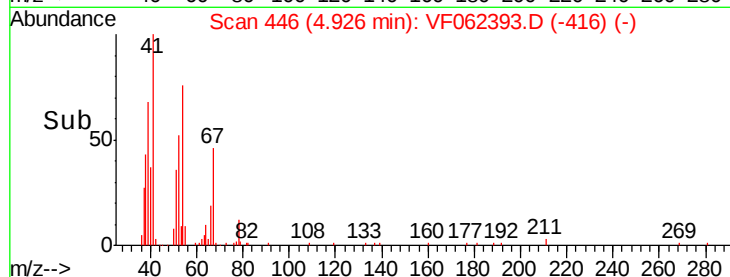
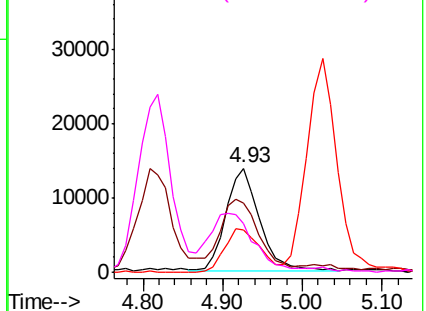


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 58.947 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062393.D

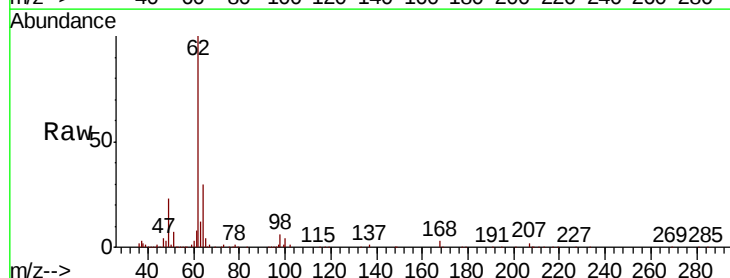
Acq: 9 May 2019 12:41

Tgt Ion: 62 Resp: 182258

Ion Ratio Lower Upper

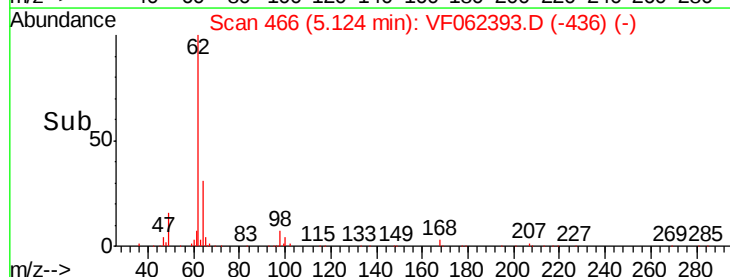
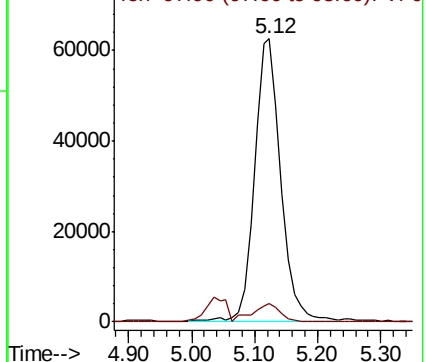
62 100

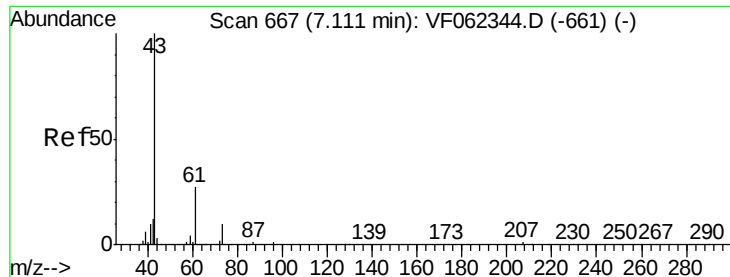
98 6.0 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 47.457 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

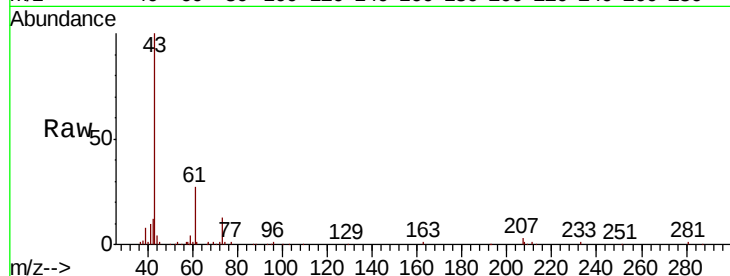
Tgt Ion: 43 Resp: 72468

Ion Ratio Lower Upper

43 100

61 27.6 22.8 34.2

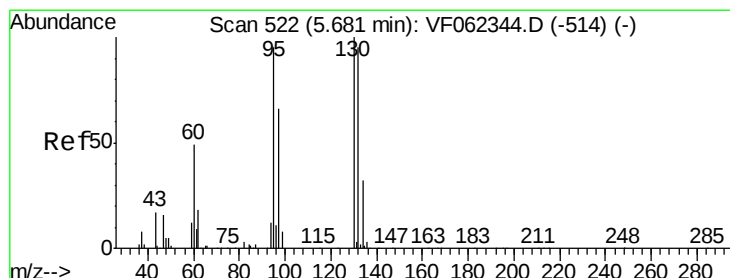
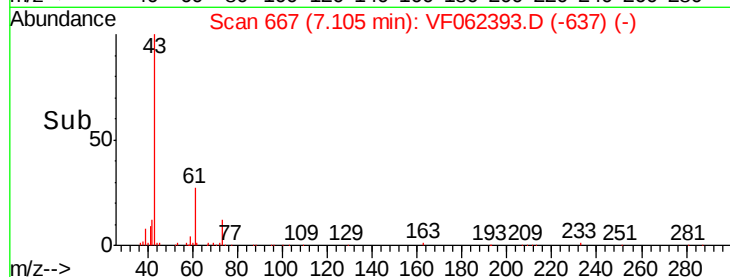
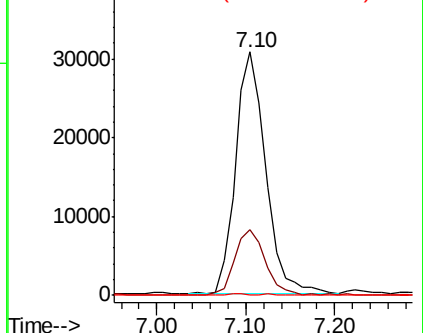
87 0.4 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 53.973 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF062393.D

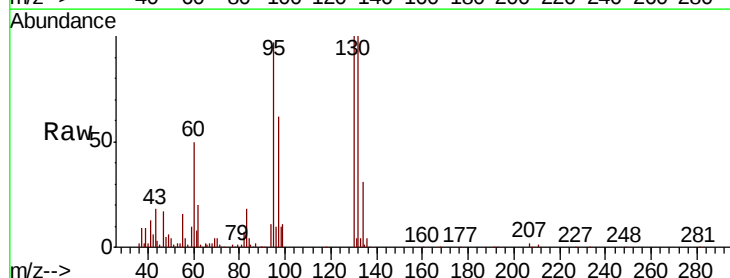
Acq: 9 May 2019 12:41

Tgt Ion: 130 Resp: 146573

Ion Ratio Lower Upper

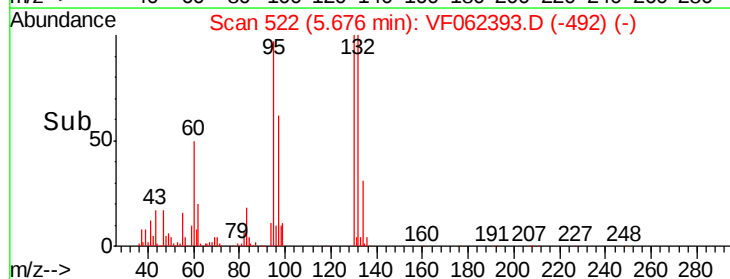
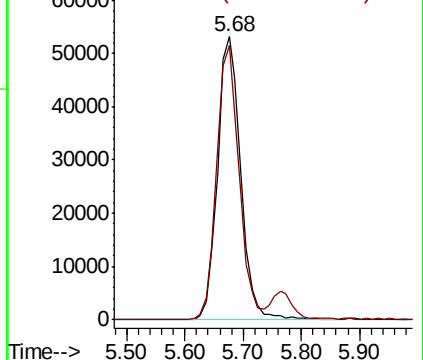
130 100

95 96.7 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 54.835 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

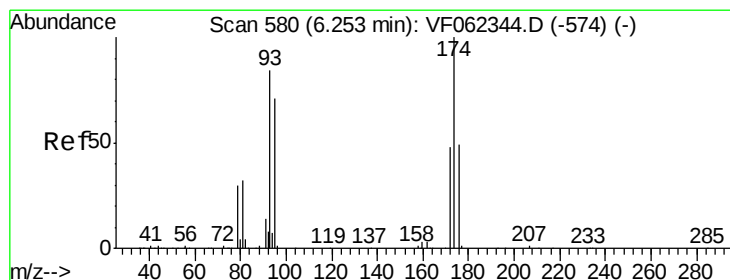
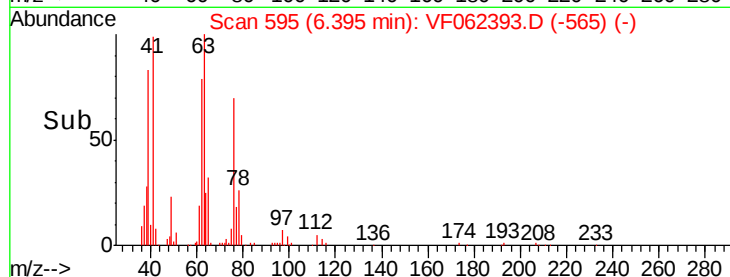
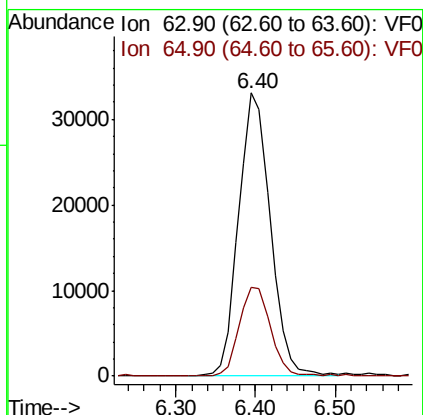
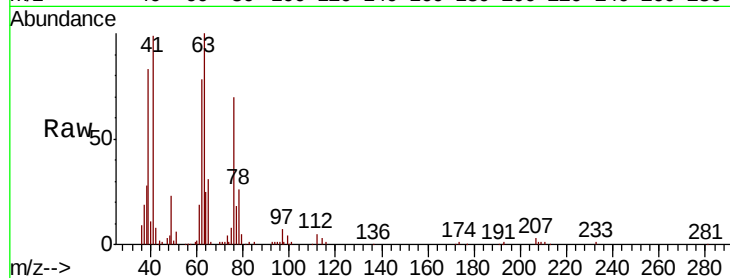
VSTDCCC050

Tgt Ion: 63 Resp: 91819

Ion Ratio Lower Upper

63 100

65 31.5 25.6 38.4



#46

Dibromomethane

Concen: 54.334 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

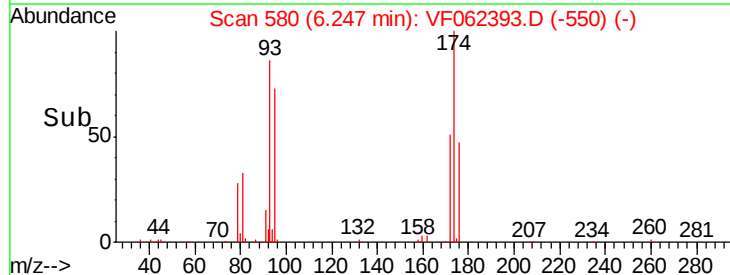
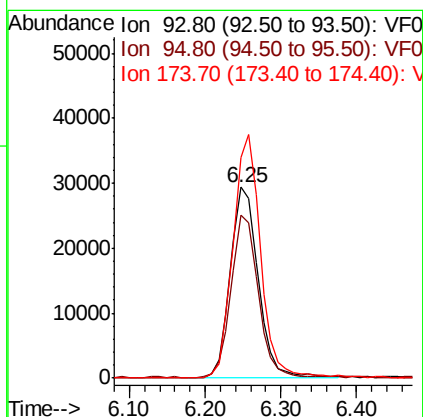
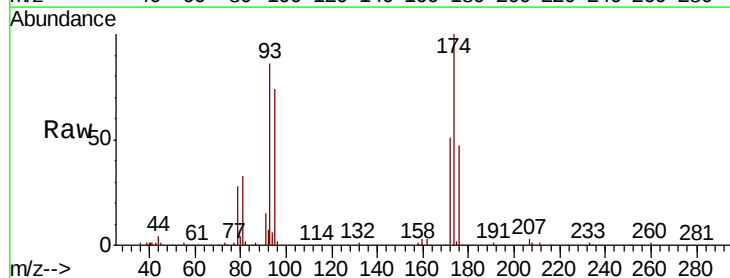
Tgt Ion: 93 Resp: 75434

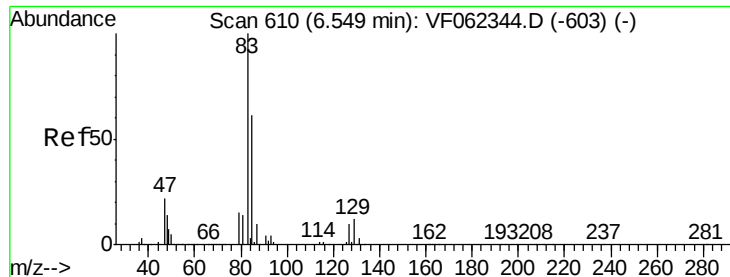
Ion Ratio Lower Upper

93 100

95 83.7 68.4 102.6

174 125.4 99.6 149.4





#47

Bromodichloromethane

Concen: 59.036 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

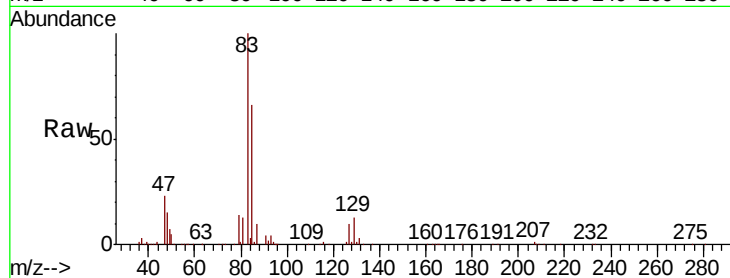
Tgt Ion: 83 Resp: 204920

Ion Ratio Lower Upper

83 100

85 66.4 49.1 73.7

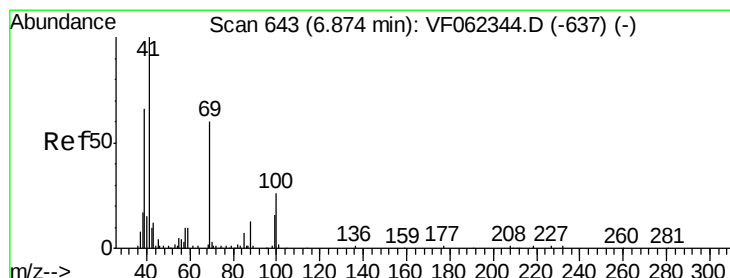
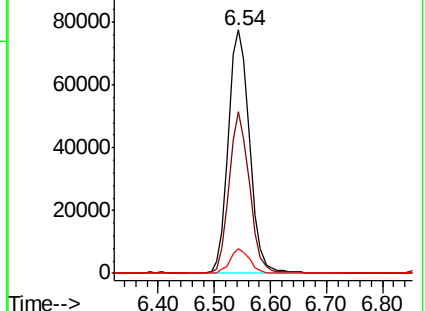
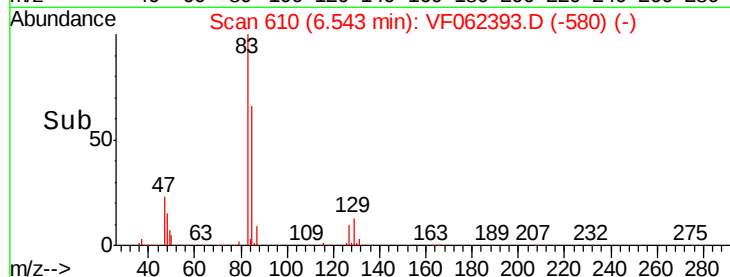
127 10.3 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.473 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

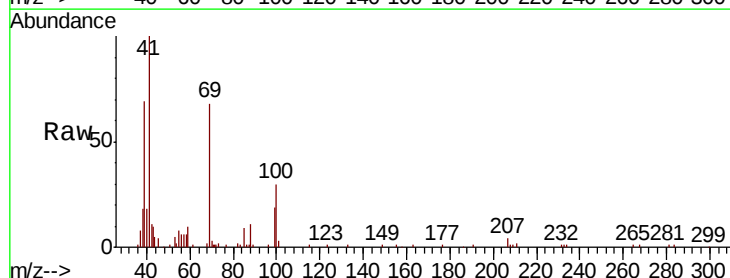
Tgt Ion: 41 Resp: 54467

Ion Ratio Lower Upper

41 100

69 66.8 48.6 72.8

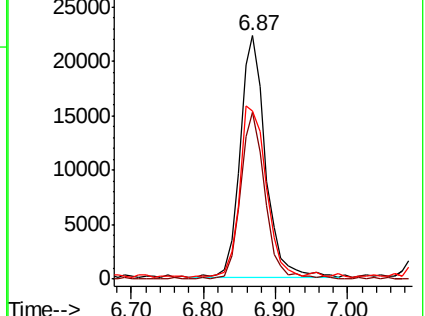
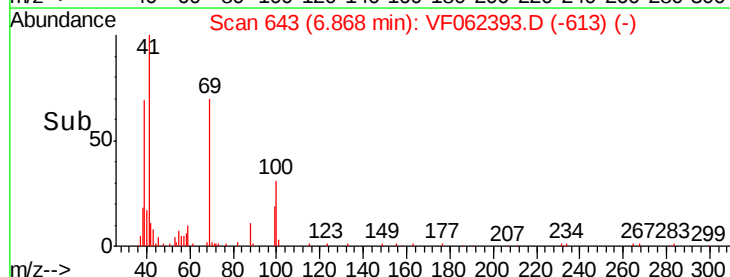
39 75.1 56.1 84.1

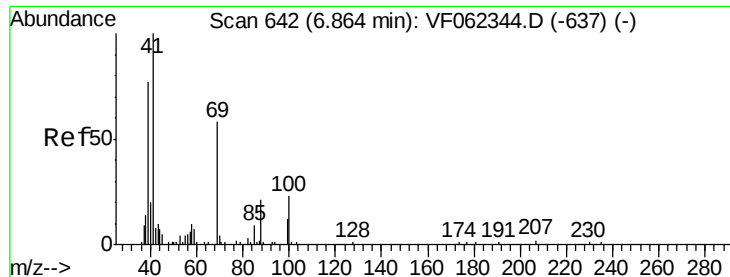


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

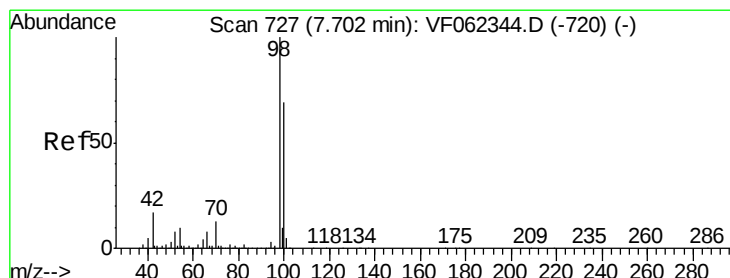
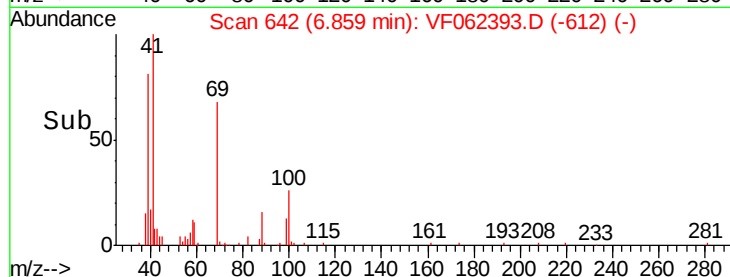
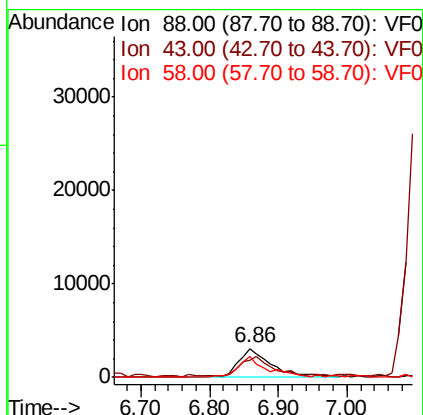
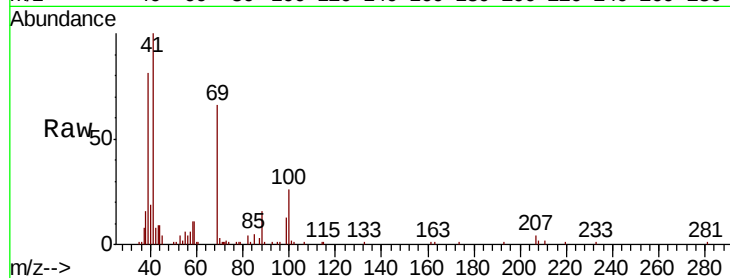




#49
 1,4-Dioxane
 Concen: 929.562 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

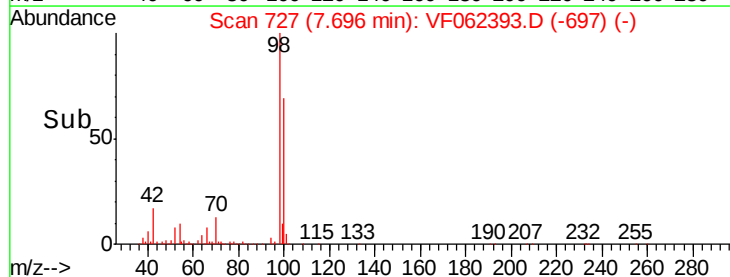
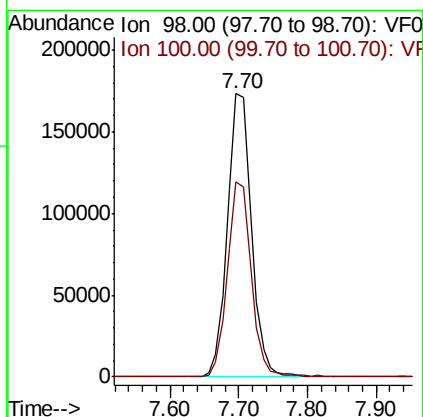
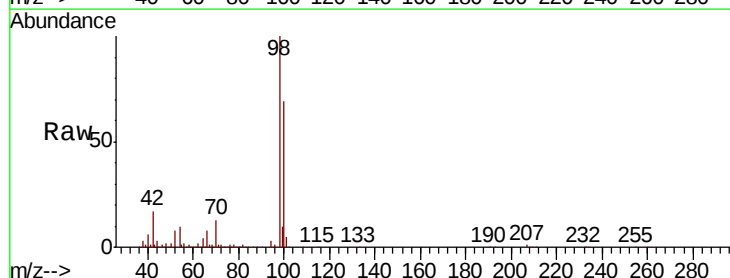
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

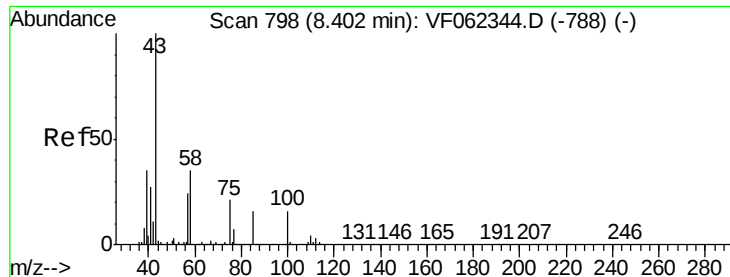
Tgt Ion: 88 Resp: 10327
 Ion Ratio Lower Upper
 88 100
 43 60.7 55.6 83.4
 58 61.9 52.8 79.2



#50
 Toluene-d8
 Concen: 55.856 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion: 98 Resp: 420969
 Ion Ratio Lower Upper
 98 100
 100 68.2 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 267.646 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

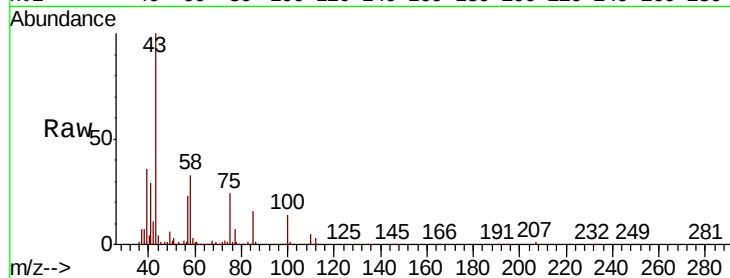
VSTDCCC050

Tgt Ion: 43 Resp: 309688

Ion Ratio Lower Upper

43 100

58 33.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

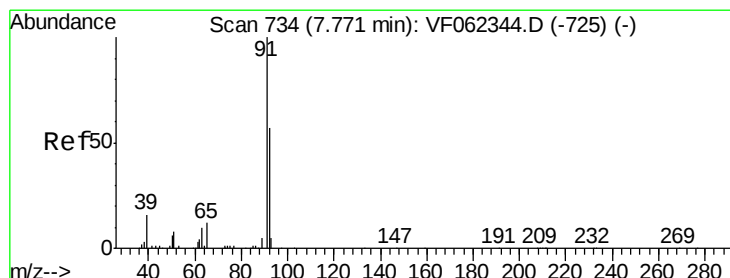
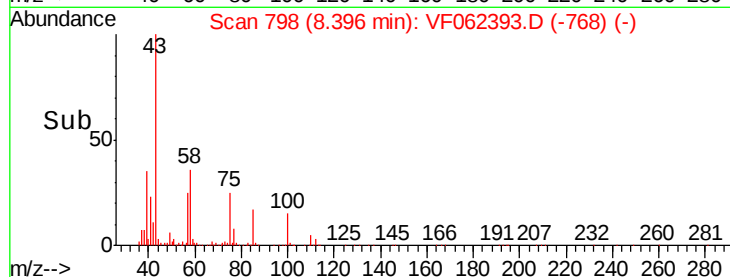
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 55.814 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062393.D

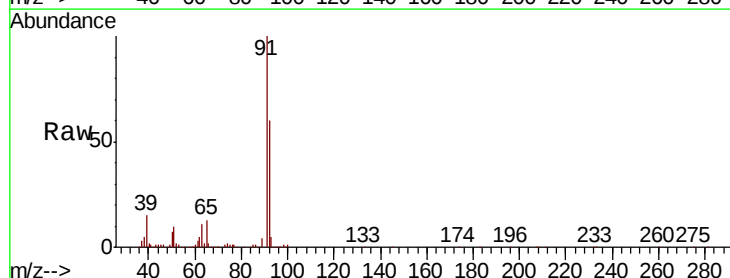
Acq: 9 May 2019 12:41

Tgt Ion: 92 Resp: 254548

Ion Ratio Lower Upper

92 100

91 170.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

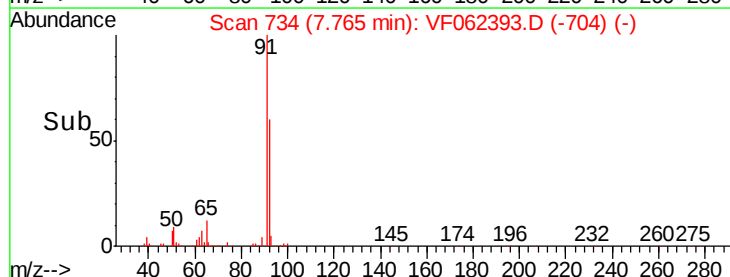
100000

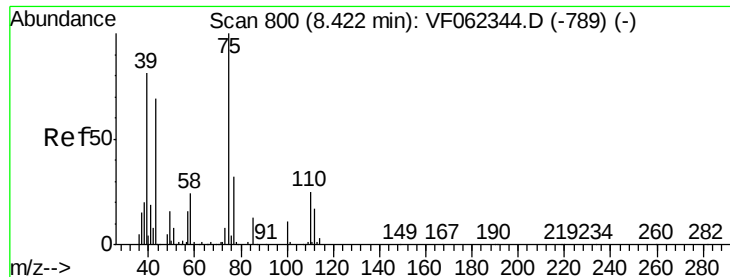
50000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.723 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

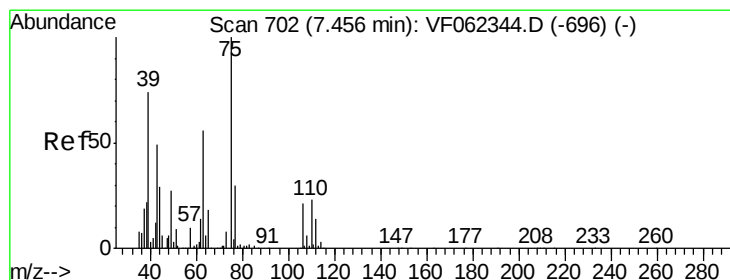
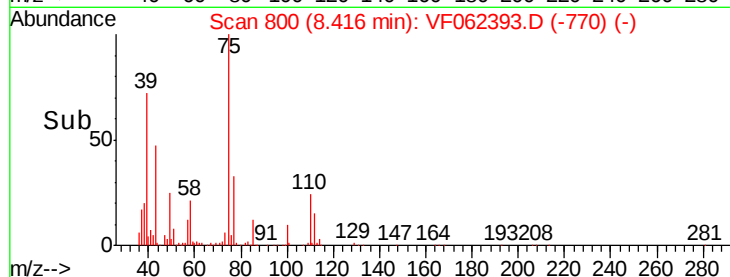
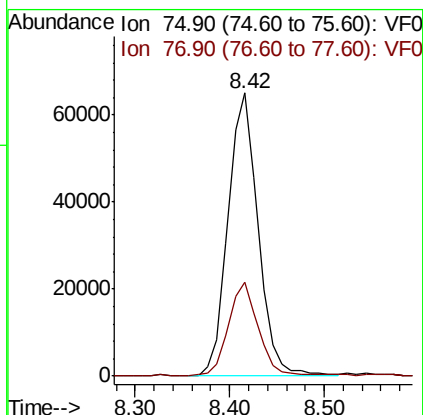
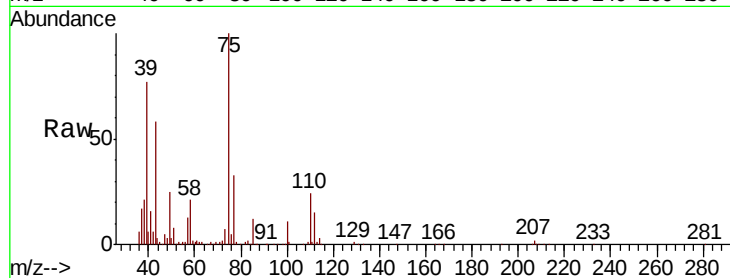
VSTDCCC050

Tgt Ion: 75 Resp: 143663

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 56.153 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

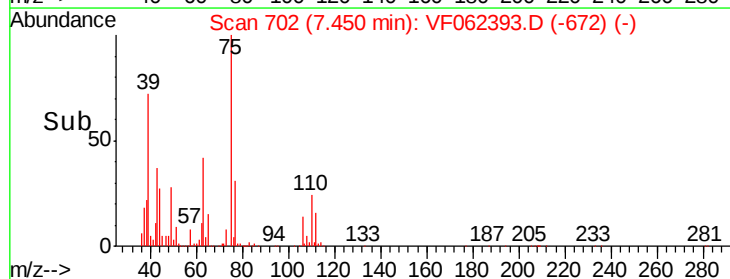
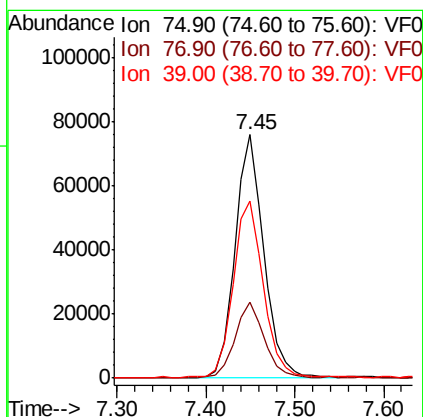
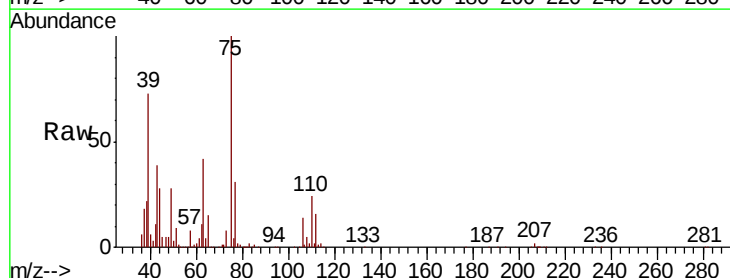
Tgt Ion: 75 Resp: 171568

Ion Ratio Lower Upper

75 100

77 30.8 24.0 36.0

39 72.4 58.7 88.1

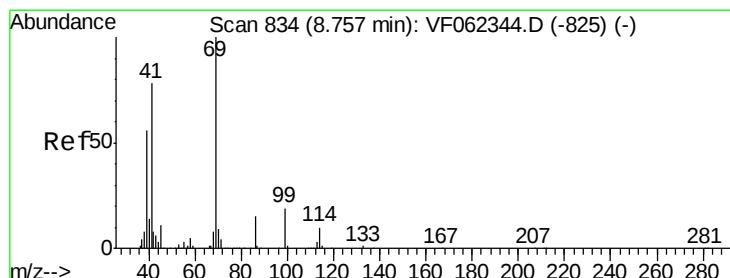
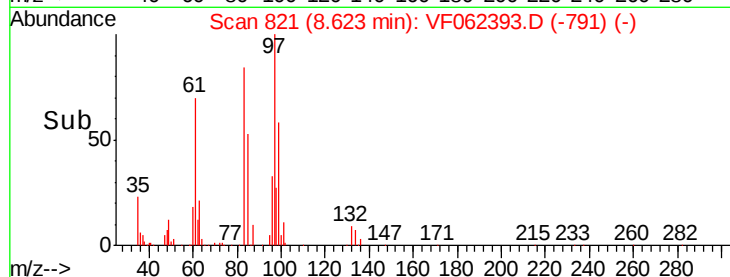
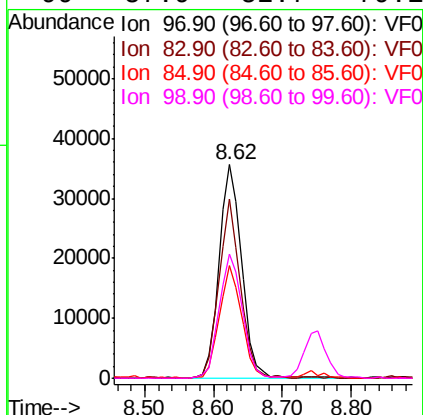
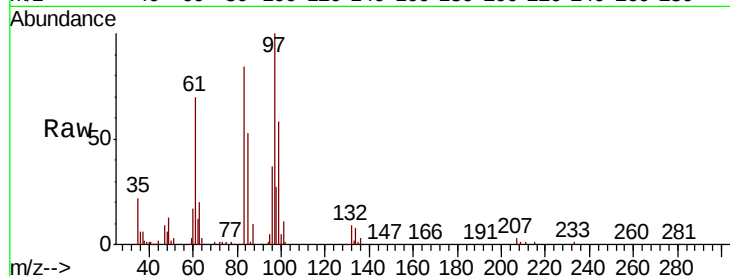




#55
 1,1,2-Trichloroethane
 Concen: 56.145 ug/l
 RT: 8.62 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

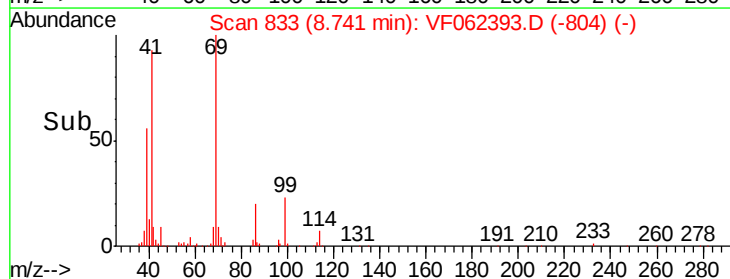
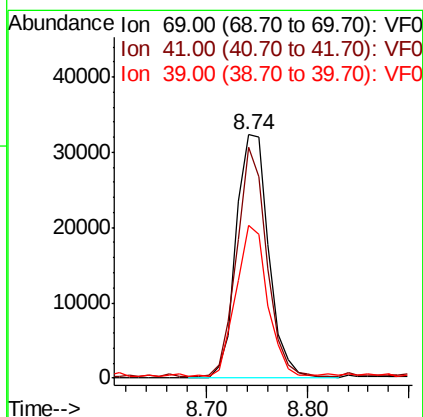
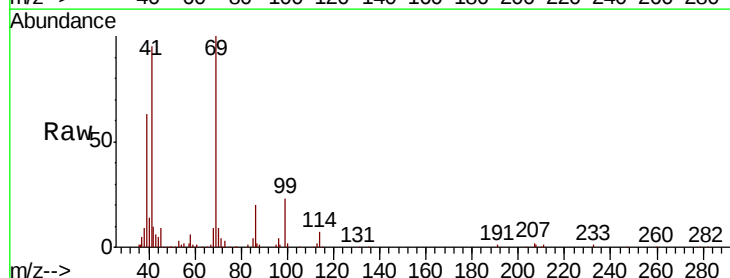
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

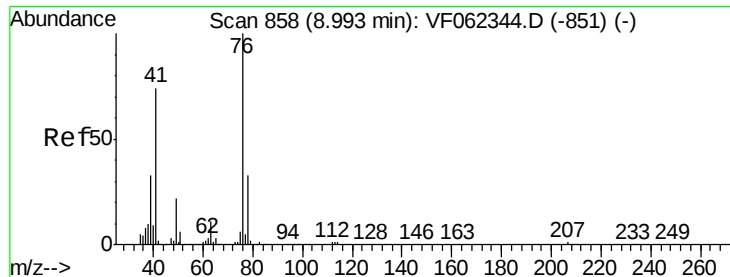
Tgt Ion:	97	Resp:	81285
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.5	102.7
85	52.9	45.4	68.2
99	57.9	52.7	79.1



#56
 Ethyl methacrylate
 Concen: 47.651 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. -0.02 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion:	69	Resp:	72824
Ion	Ratio	Lower	Upper
69	100		
41	86.8	66.3	99.5
39	59.7	50.1	75.1





#57

1,3-Dichloropropane

Concen: 54.332 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

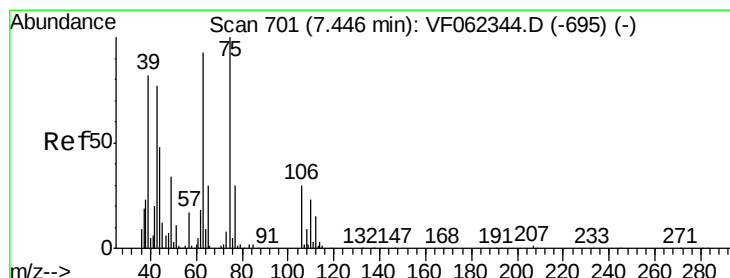
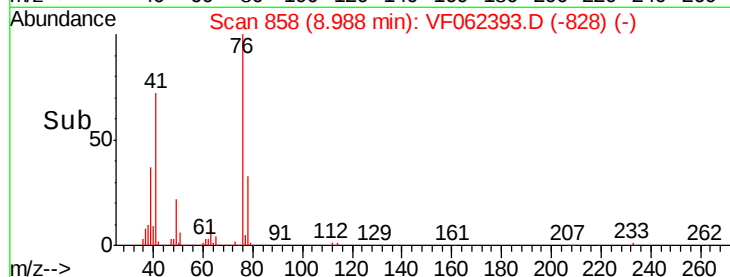
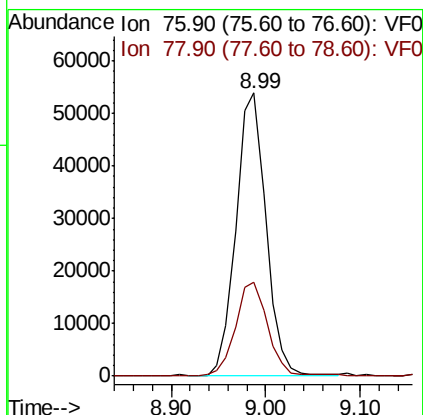
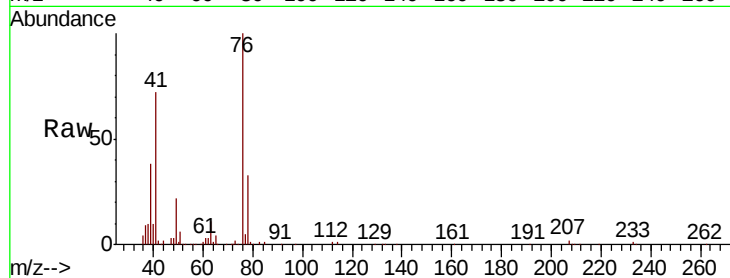
VSTDCCC050

Tgt Ion: 76 Resp: 118818

Ion Ratio Lower Upper

76 100

78 35.8 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 208.011 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062393.D

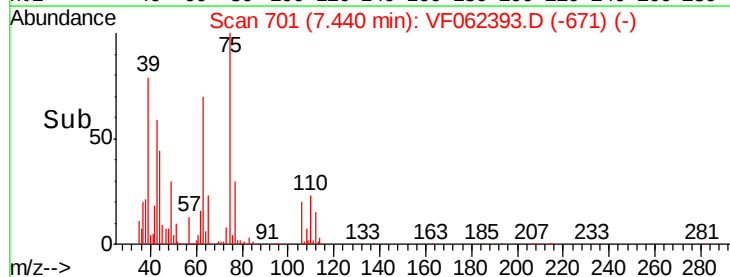
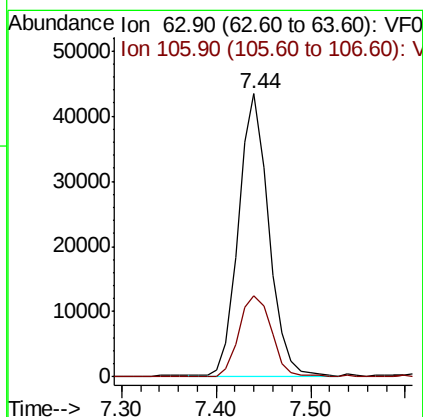
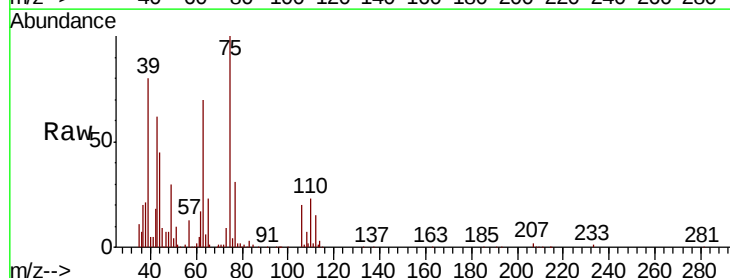
Acq: 9 May 2019 12:41

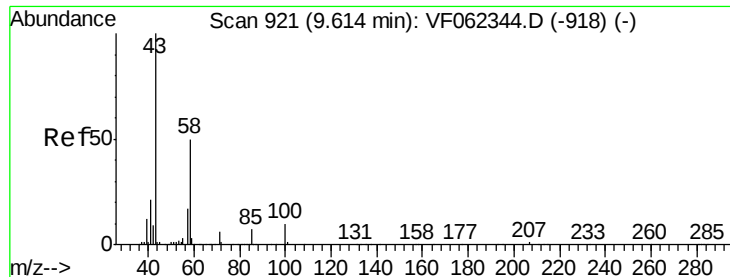
Tgt Ion: 63 Resp: 95574

Ion Ratio Lower Upper

63 100

106 31.4 25.8 38.8

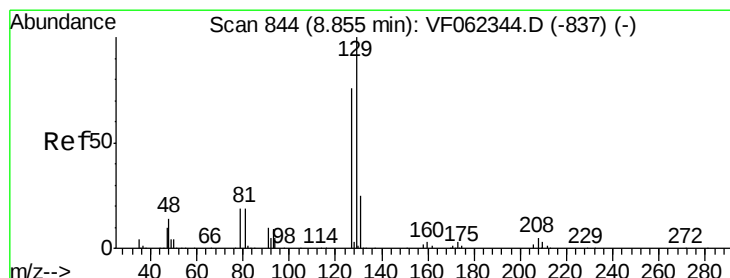
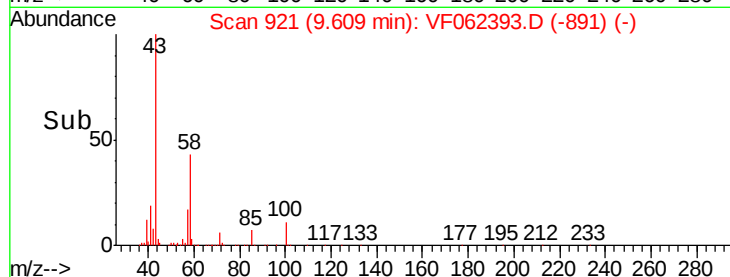
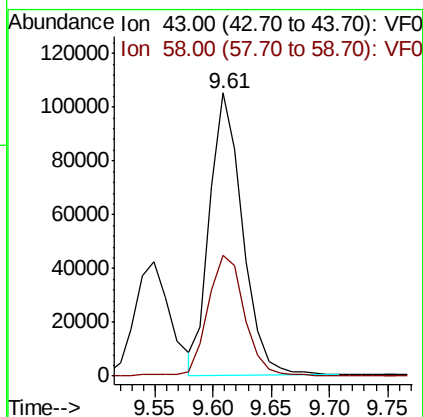
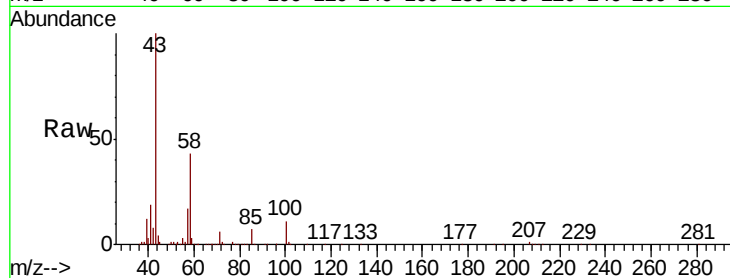




#59
2-Hexanone
Concen: 255.873 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

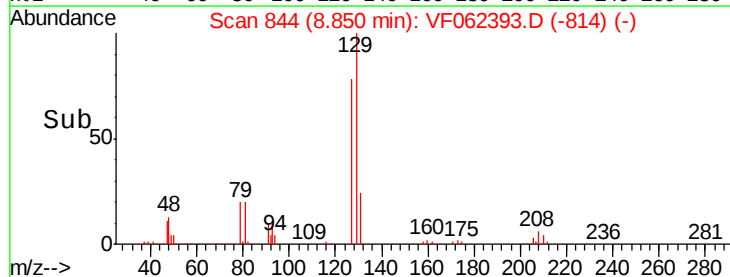
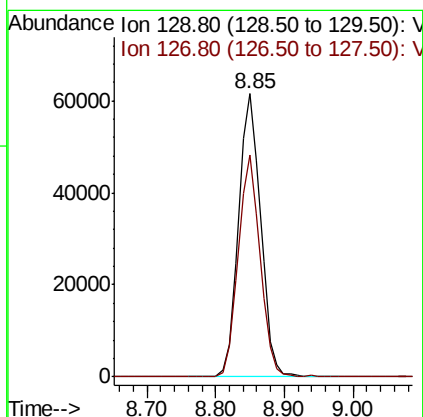
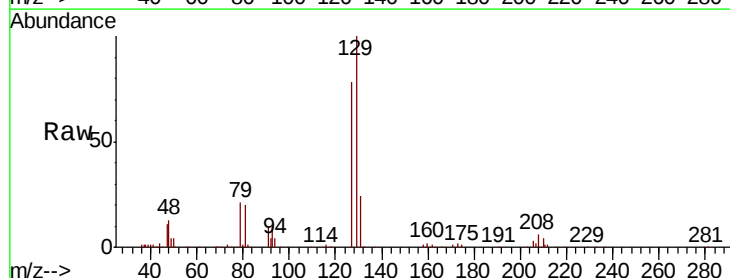
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

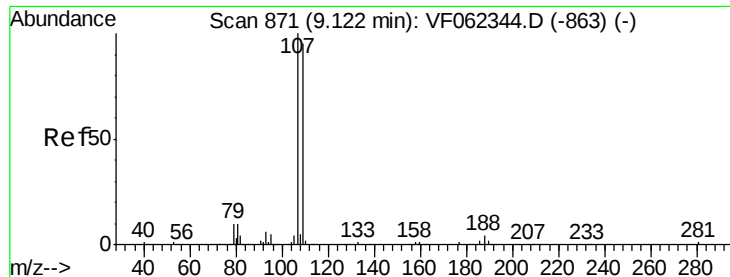
Tgt Ion: 43 Resp: 204760
Ion Ratio Lower Upper
43 100
58 48.8 24.3 73.0



#60
Dibromochloromethane
Concen: 58.128 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 129 Resp: 137639
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.023 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

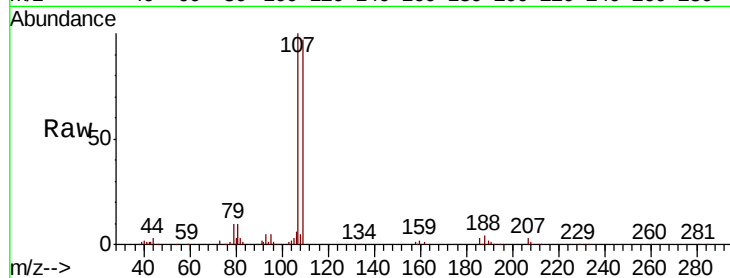
VSTDCCC050

Tgt Ion: 107 Resp: 88522

Ion Ratio Lower Upper

107 100

109 97.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.13

40000

30000

20000

10000

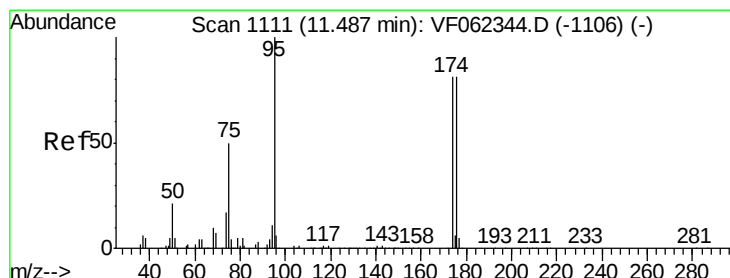
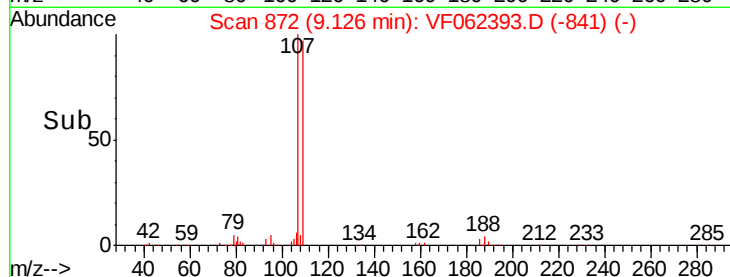
0

Time-->

9.00

9.10

9.20



#62

4-Bromofluorobenzene

Concen: 53.878 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

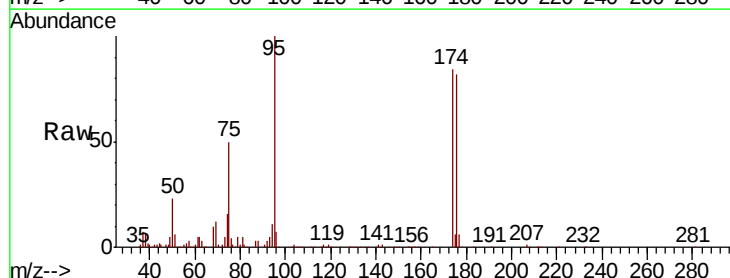
Tgt Ion: 95 Resp: 183199

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.8

176 95.7 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

50000

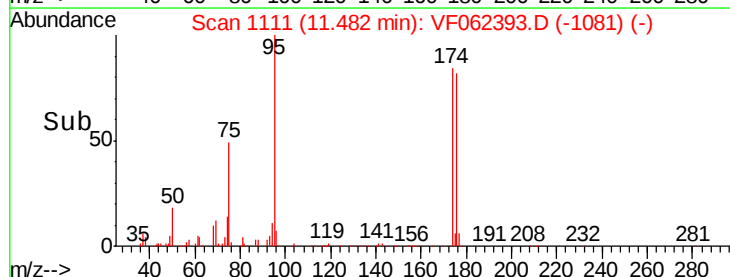
0

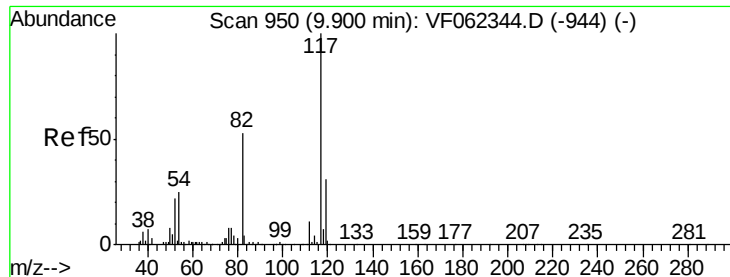
Time-->

11.40

11.50

11.60

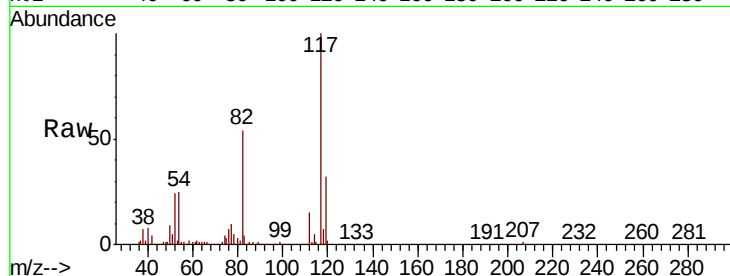




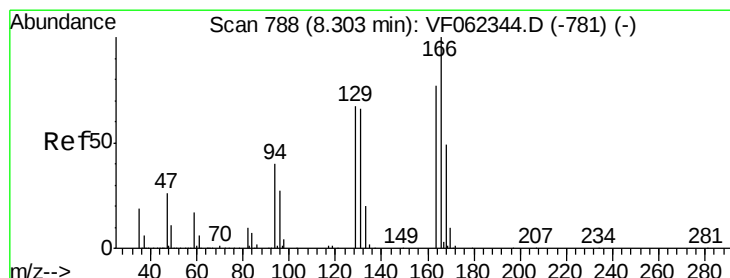
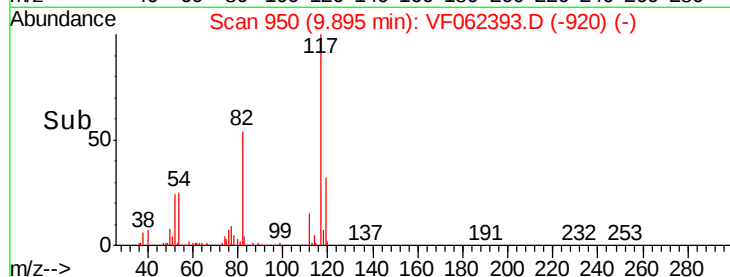
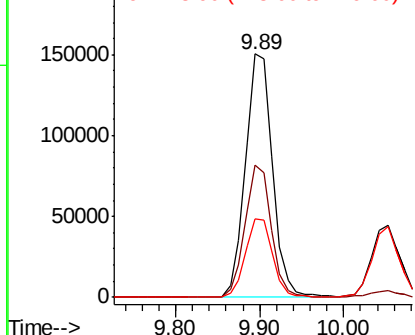
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 340124
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.2
119 32.1 25.0 37.4

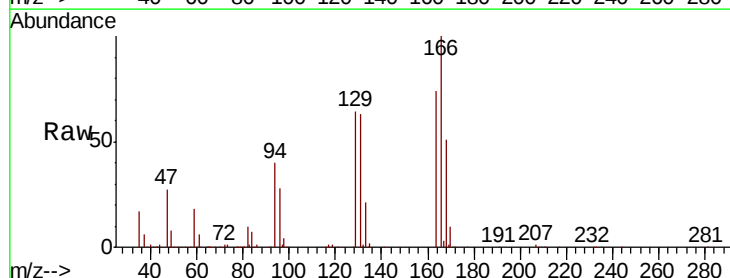


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

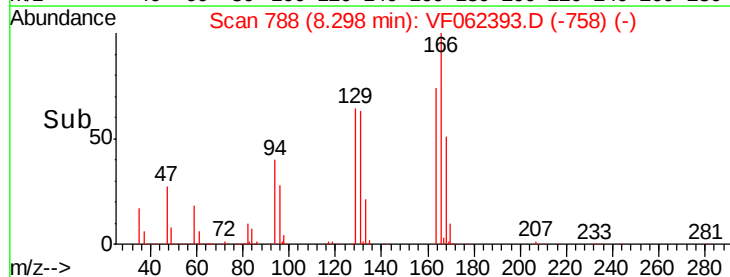
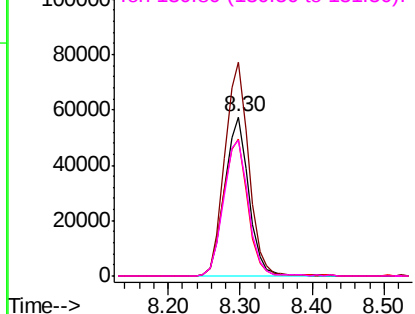


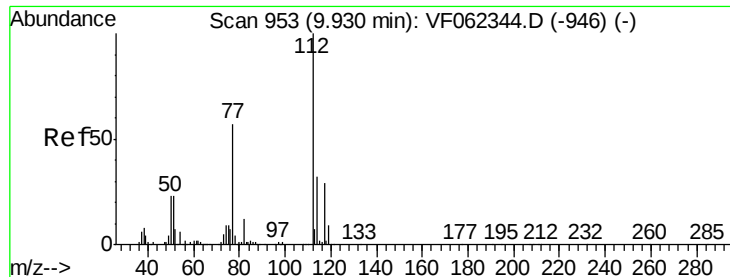
#64
Tetrachloroethene
Concen: 48.127 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion:164 Resp: 132889
Ion Ratio Lower Upper
164 100
166 134.5 104.2 156.4
129 85.9 69.6 104.4
131 85.1 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 53.755 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

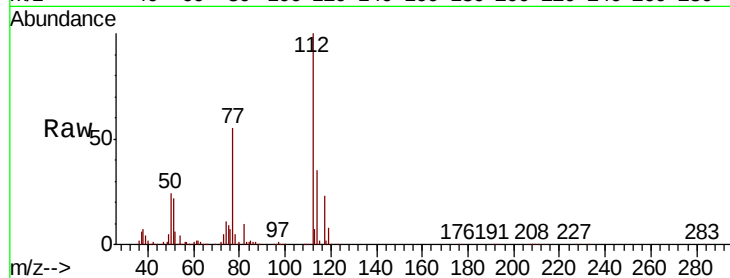
VSTDCCC050

Tgt Ion:112 Resp: 302513

Ion Ratio Lower Upper

112 100

114 34.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.92

150000

100000

50000

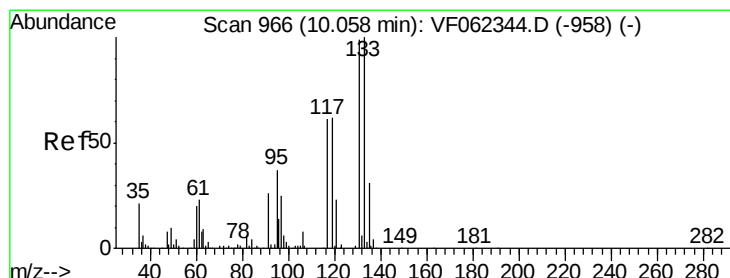
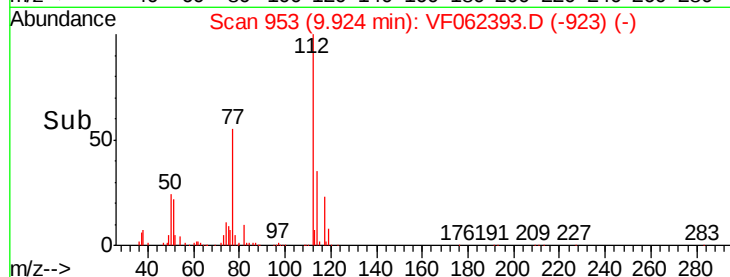
0

Time-->

9.80

10.00

10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 56.793 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

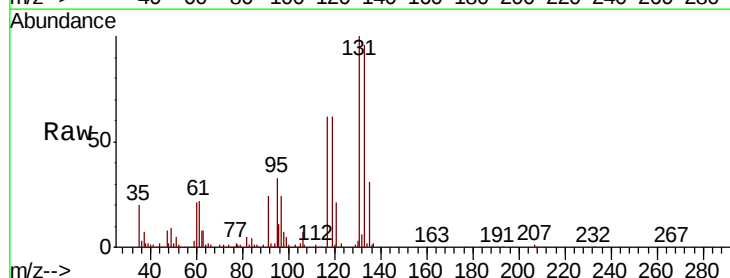
Tgt Ion:131 Resp: 161232

Ion Ratio Lower Upper

131 100

133 96.2 50.2 150.7

119 62.0 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.05

80000

60000

40000

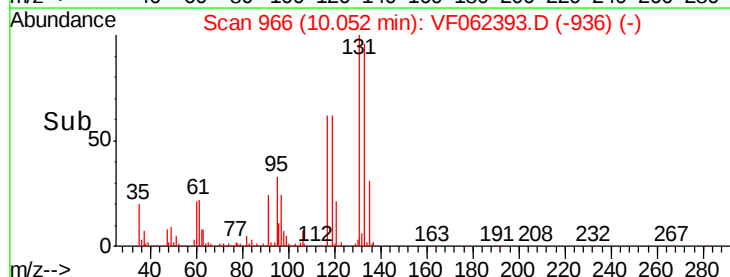
20000

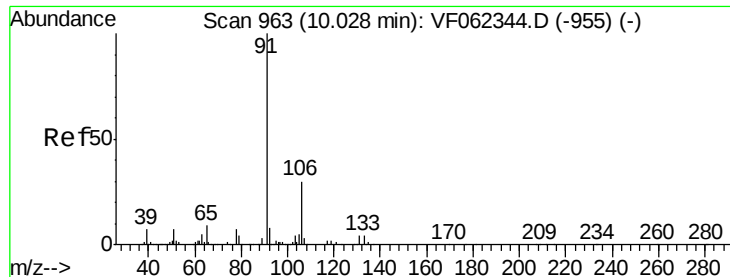
0

Time-->

10.00

10.10





#67

Ethyl Benzene

Concen: 53.585 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

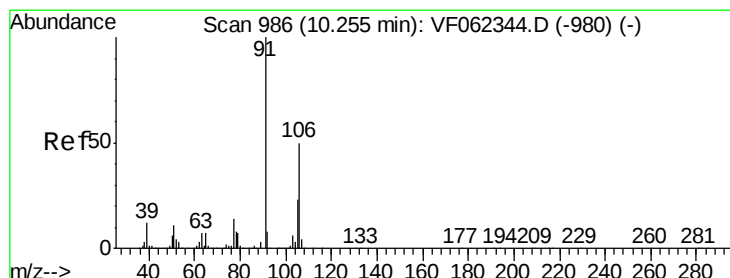
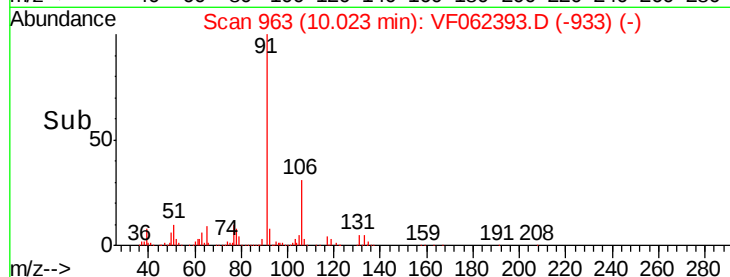
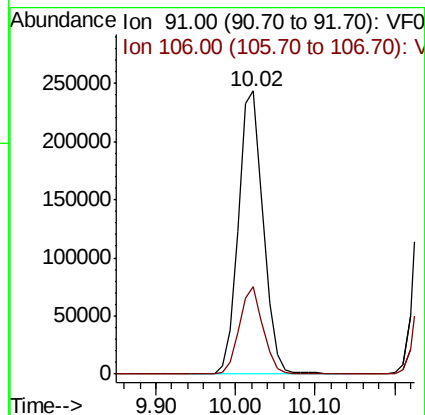
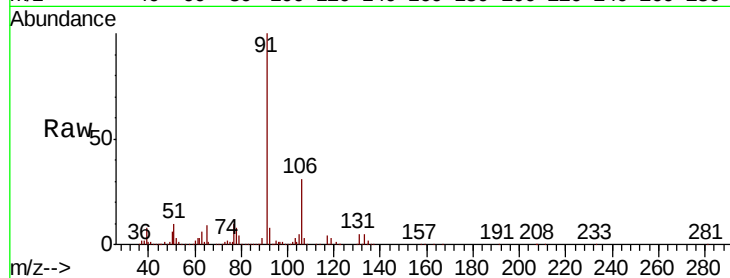
VSTDCCC050

Tgt Ion: 91 Resp: 528046

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



#68

m/p-Xylenes

Concen: 104.609 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF062393.D

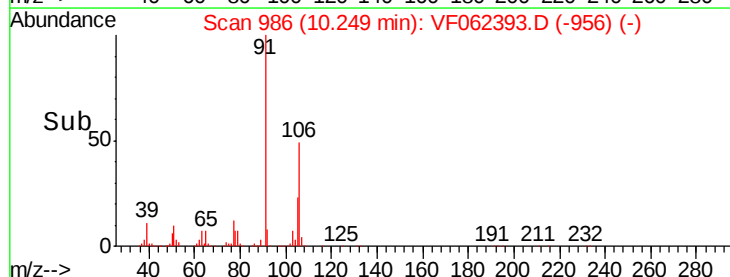
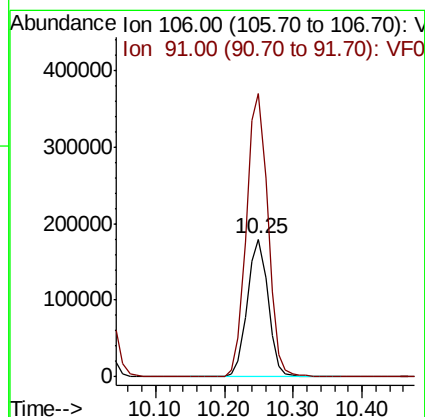
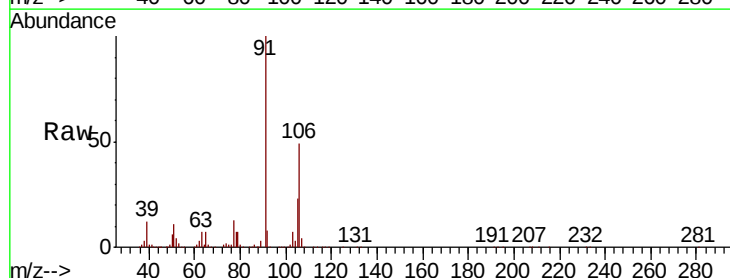
Acq: 9 May 2019 12:41

Tgt Ion: 106 Resp: 380346

Ion Ratio Lower Upper

106 100

91 210.4 167.4 251.2

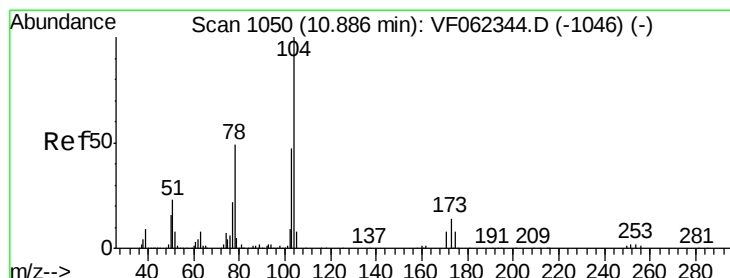
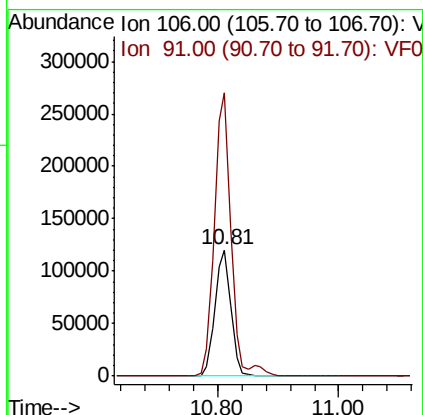
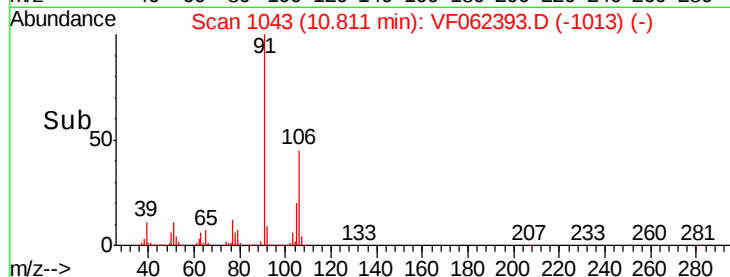
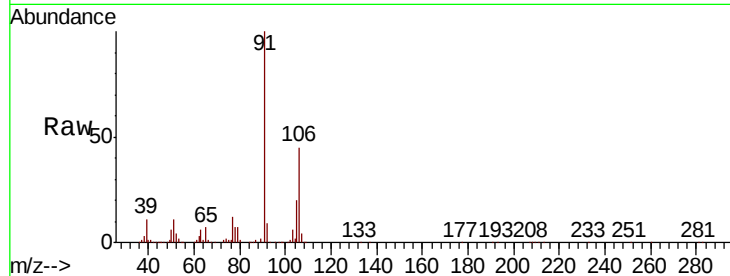




#69
o-Xylene
Concen: 56.842 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

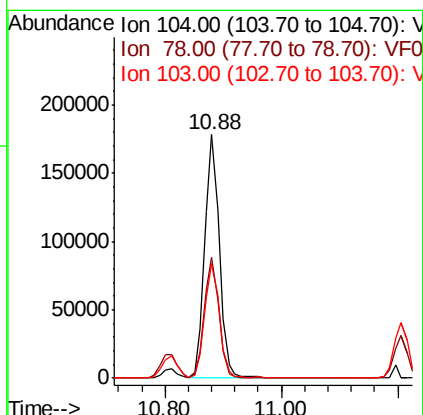
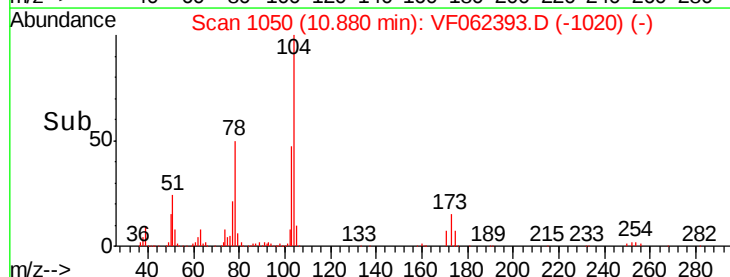
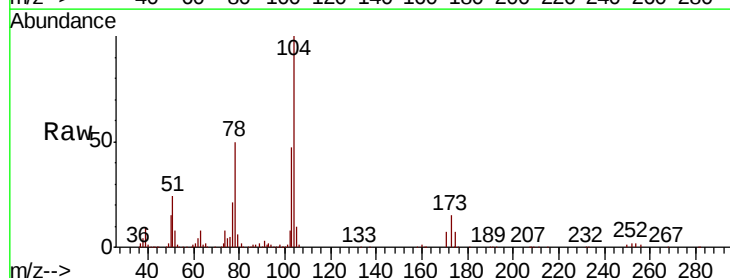
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

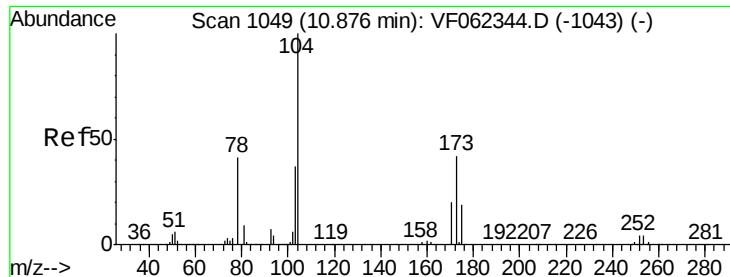
Tgt Ion:106 Resp: 223324
Ion Ratio Lower Upper
106 100
91 224.3 111.3 333.8



#70
Styrene
Concen: 53.207 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion:104 Resp: 313292
Ion Ratio Lower Upper
104 100
78 49.0 39.5 59.3
103 48.1 38.4 57.6





#71

Bromoform

Concen: 53.995 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

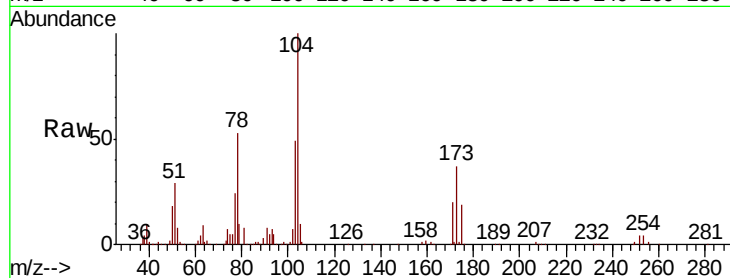
Tgt Ion:173 Resp: 83979

Ion Ratio Lower Upper

173 100

175 50.2 23.8 71.2

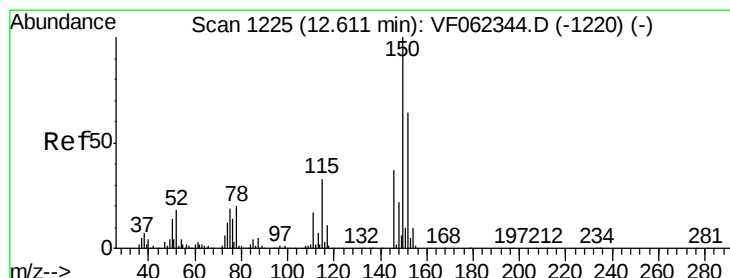
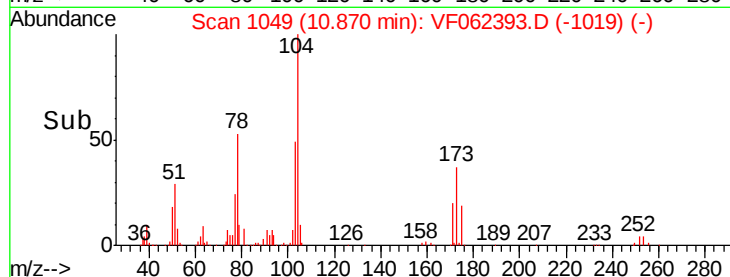
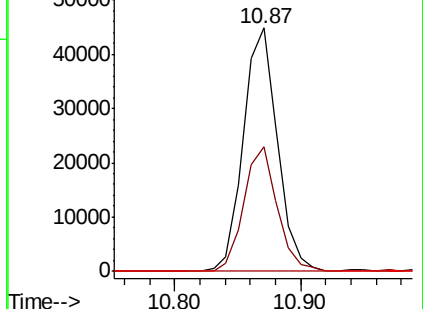
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

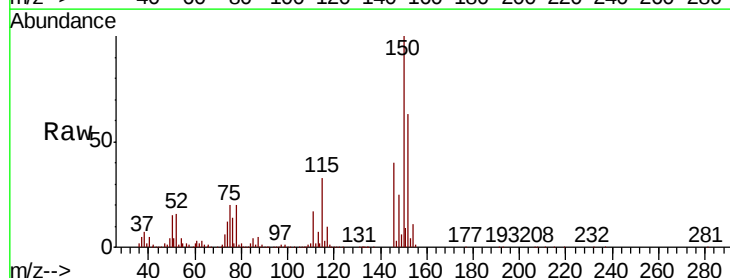
Tgt Ion:152 Resp: 202807

Ion Ratio Lower Upper

152 100

115 54.8 26.4 79.2

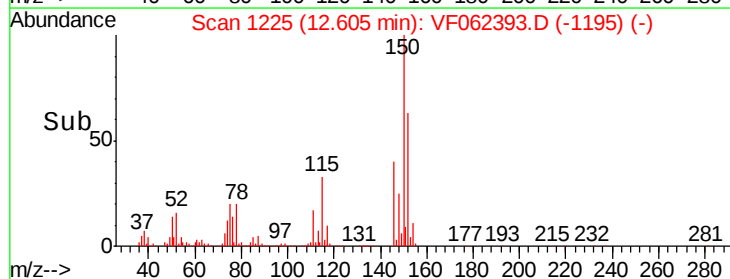
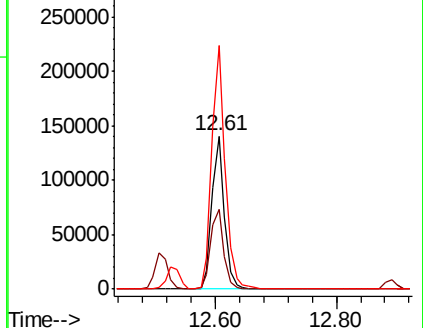
150 169.0 0.0 335.0

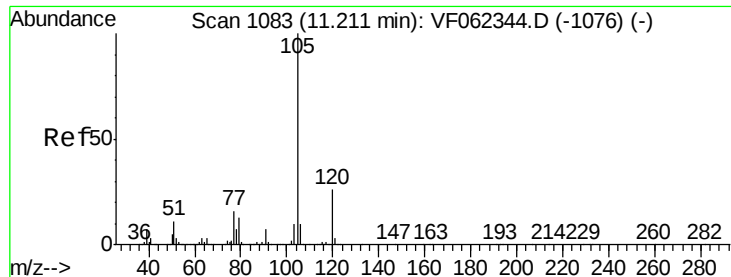


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.305 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

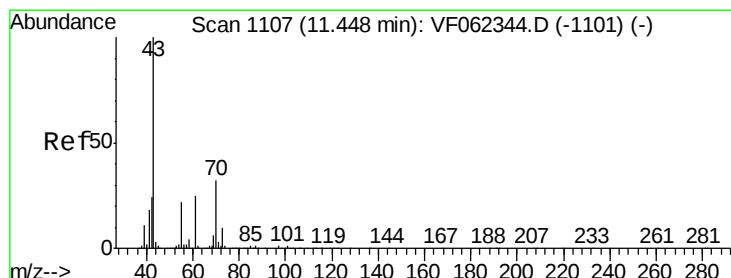
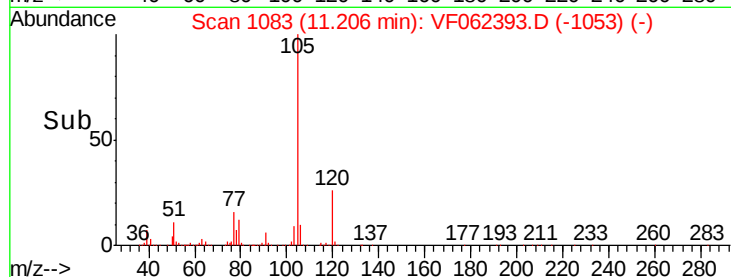
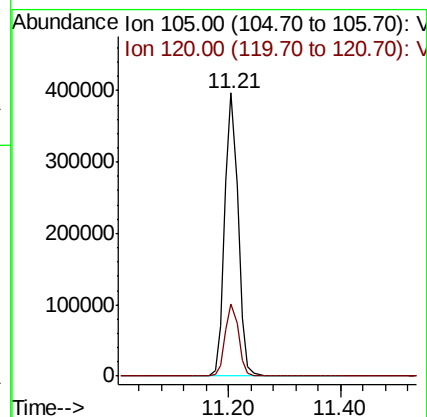
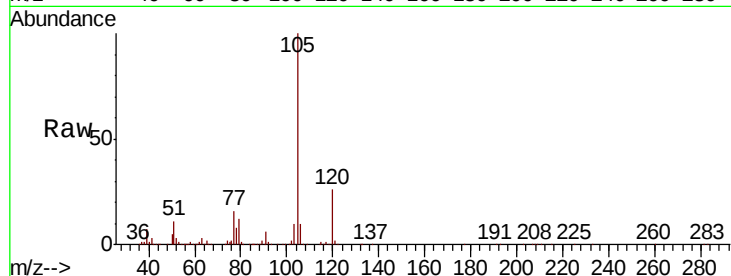
VSTDCCC050

Tgt Ion: 105 Resp: 664938

Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.0



#74

N-ethyl acetate

Concen: 46.408 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion: 43 Resp: 119790

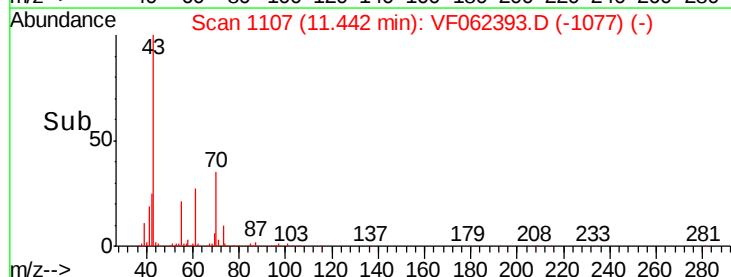
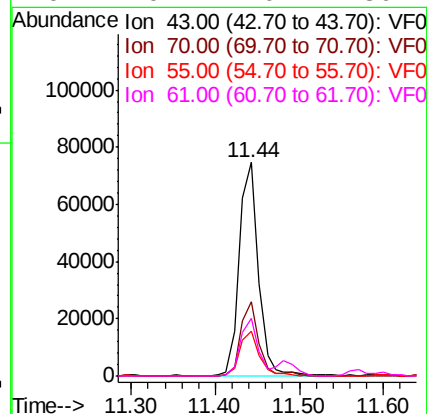
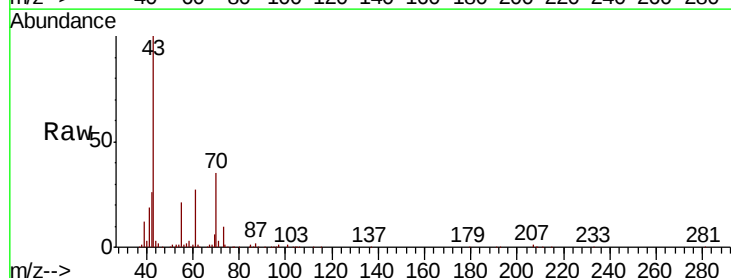
Ion Ratio Lower Upper

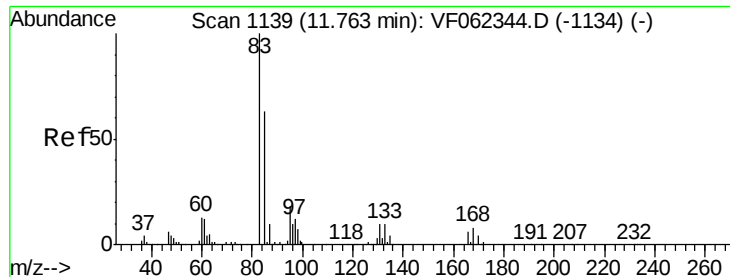
43 100

70 33.3 26.5 39.7

55 21.5 17.8 26.6

61 26.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.936 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

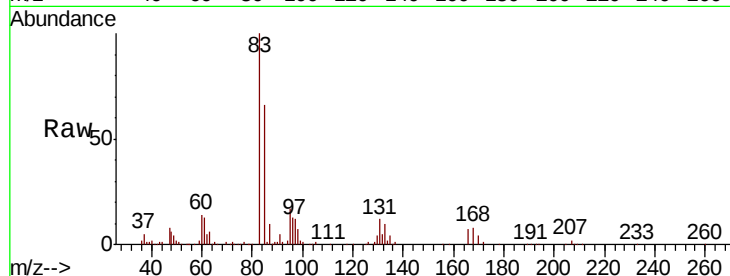
Tgt Ion: 83 Resp: 103419

Ion Ratio Lower Upper

83 100

131 12.1 5.8 17.4

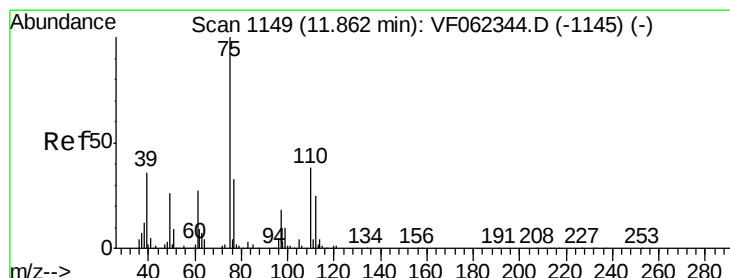
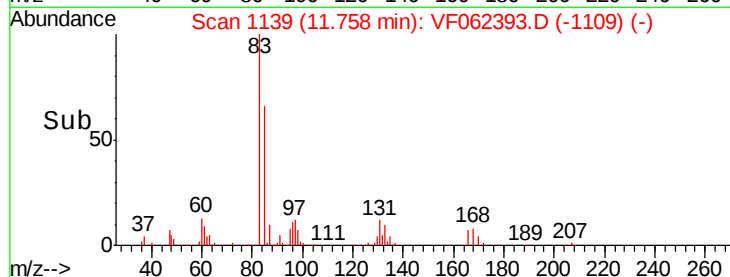
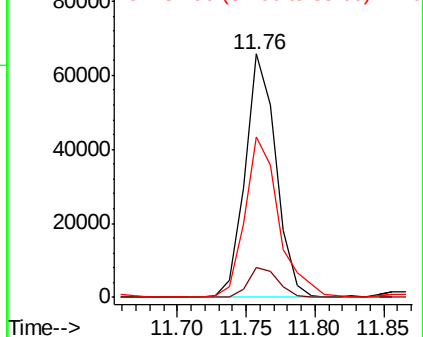
85 72.7 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 53.115 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062393.D

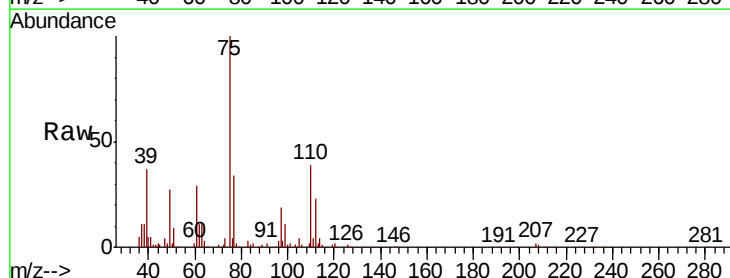
Acq: 9 May 2019 12:41

Tgt Ion: 75 Resp: 76286

Ion Ratio Lower Upper

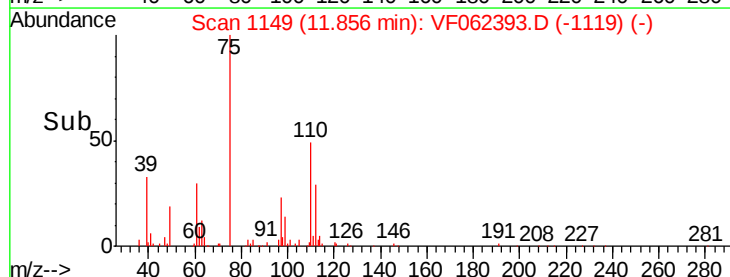
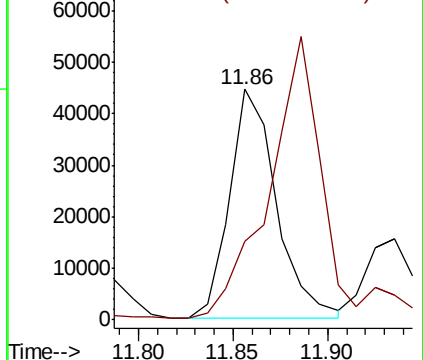
75 100

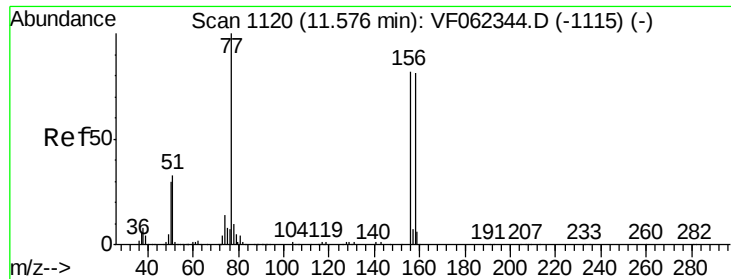
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.135 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

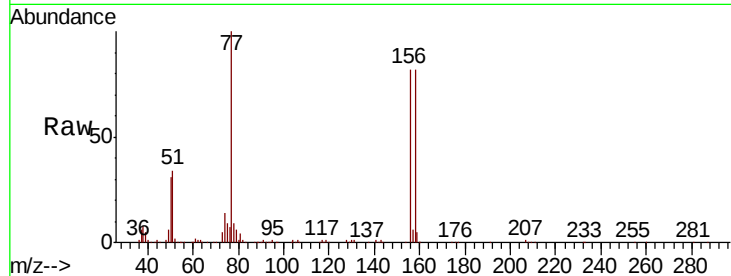
Tgt Ion: 156 Resp: 170820

Ion Ratio Lower Upper

156 100

77 129.4 64.8 194.3

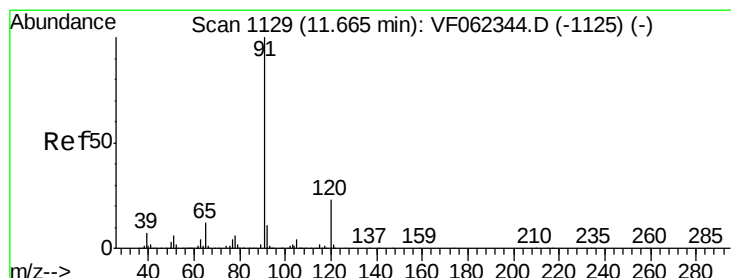
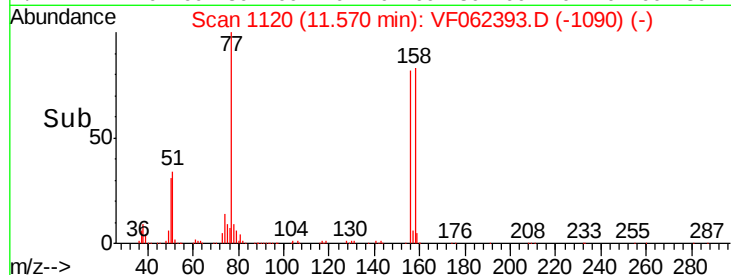
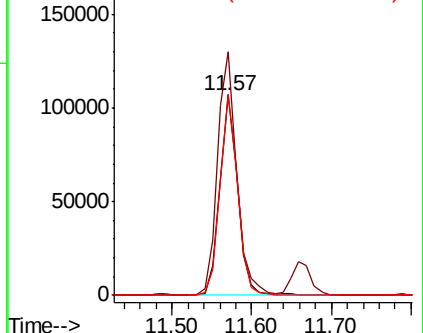
158 98.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.611 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062393.D

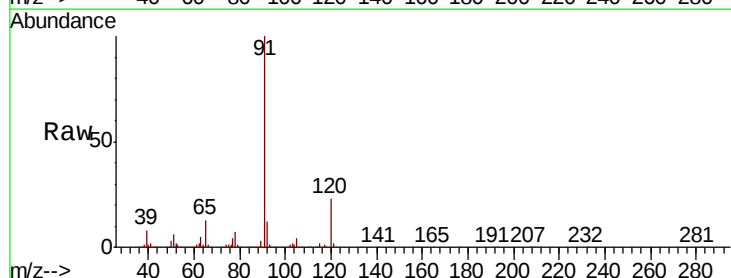
Acq: 9 May 2019 12:41

Tgt Ion: 91 Resp: 686252

Ion Ratio Lower Upper

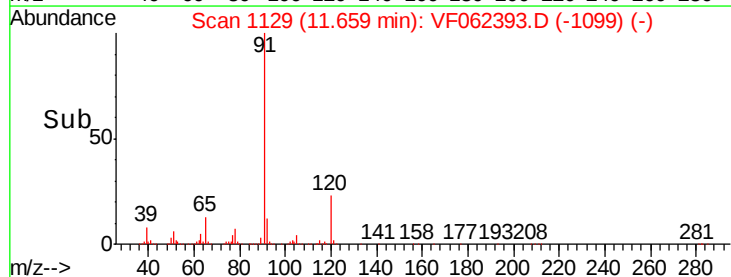
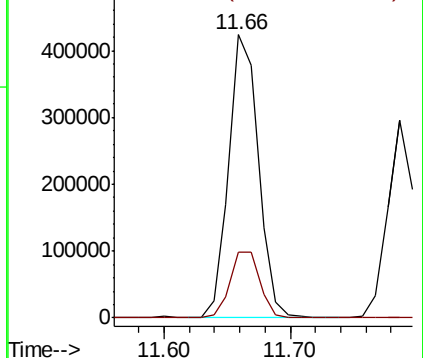
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.578 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

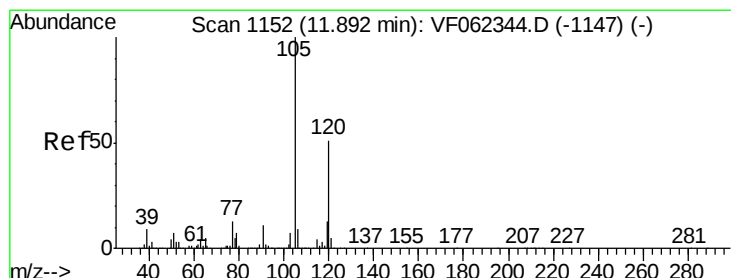
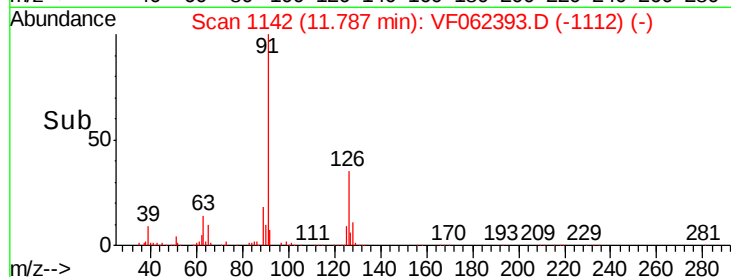
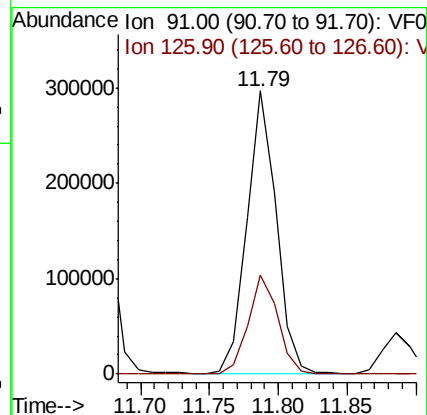
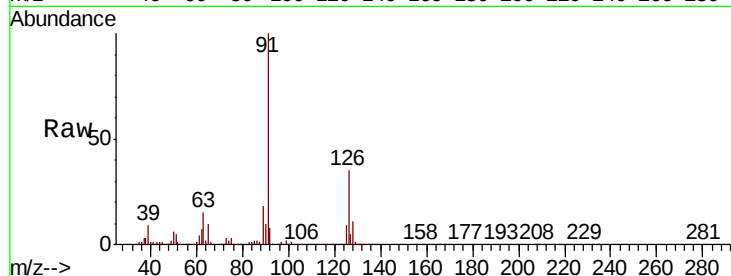
VSTDCCC050

Tgt Ion: 91 Resp: 442380

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 54.561 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062393.D

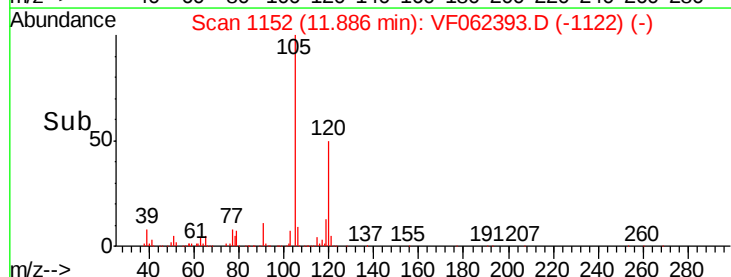
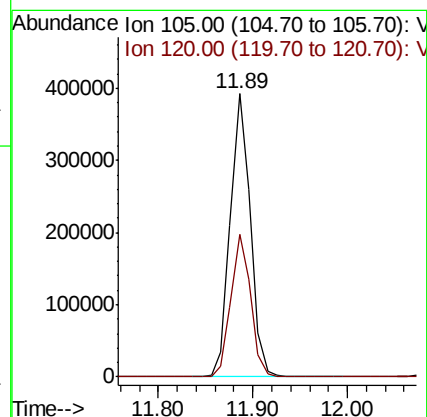
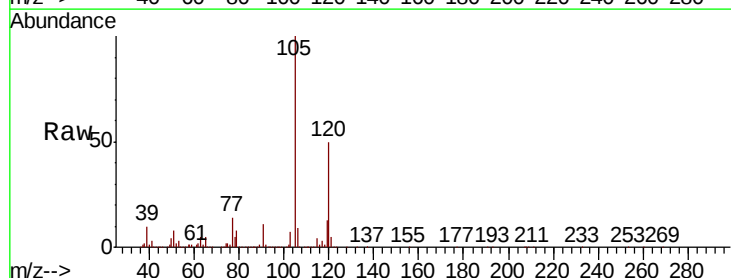
Acq: 9 May 2019 12:41

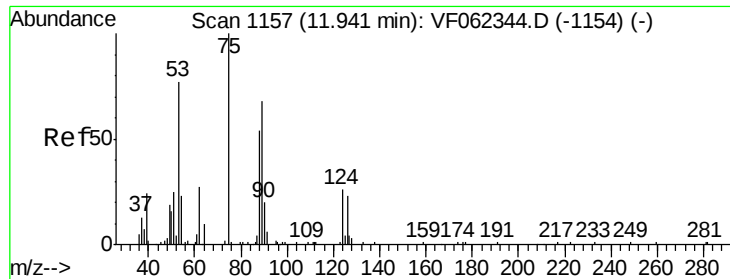
Tgt Ion: 105 Resp: 574975

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.366 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

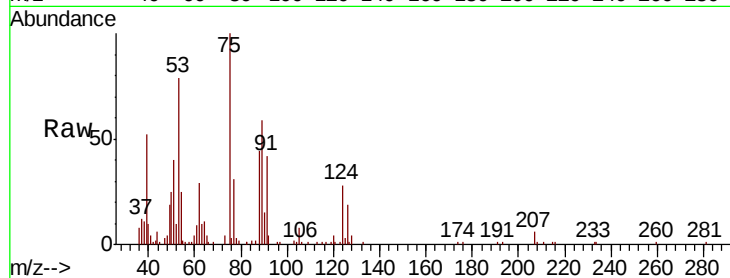
Tgt Ion: 75 Resp: 39608

Ion Ratio Lower Upper

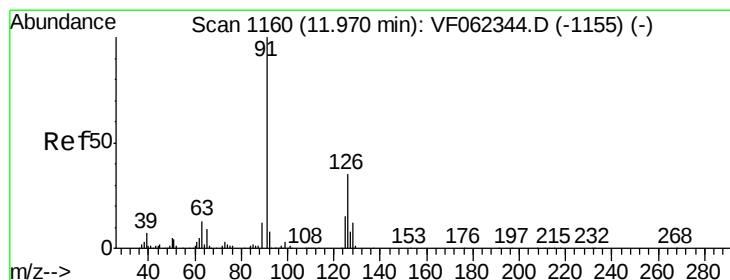
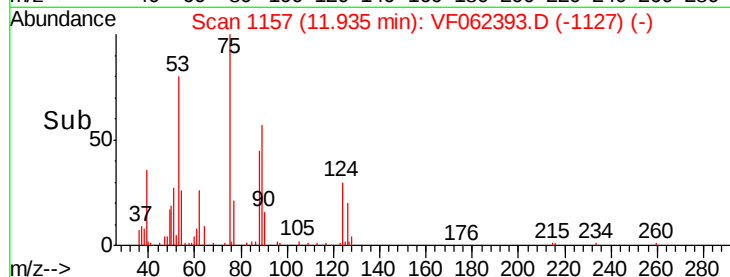
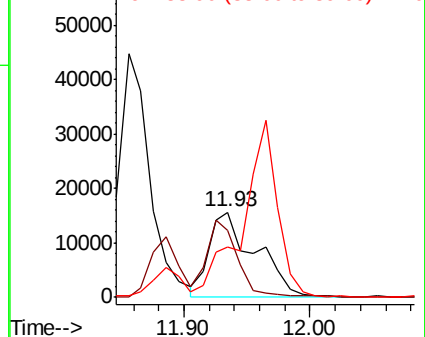
75 100

53 62.4 71.9 107.9#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 53.261 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062393.D

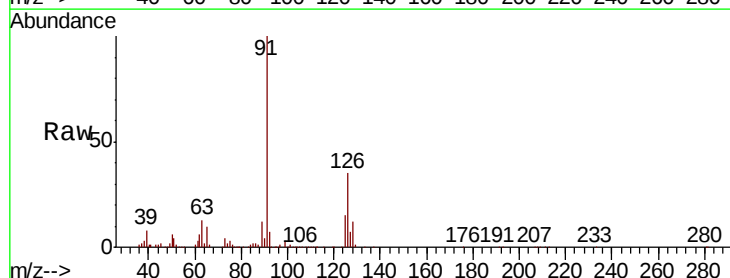
Acq: 9 May 2019 12:41

Tgt Ion: 91 Resp: 418706

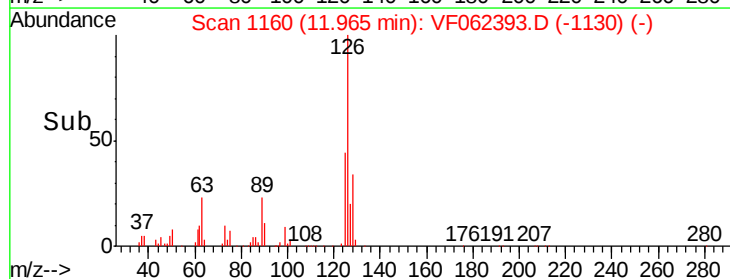
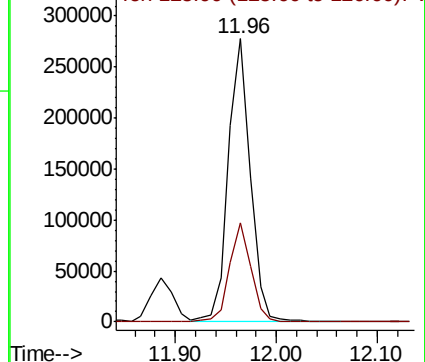
Ion Ratio Lower Upper

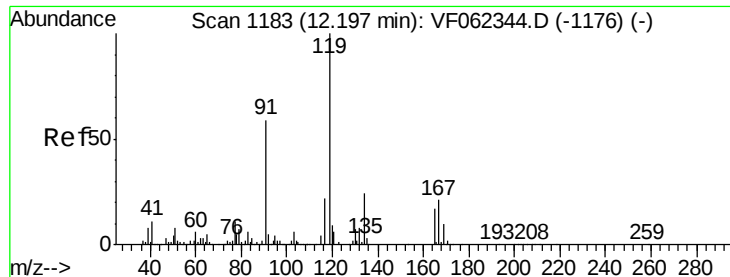
91 100

126 35.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 55.205 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

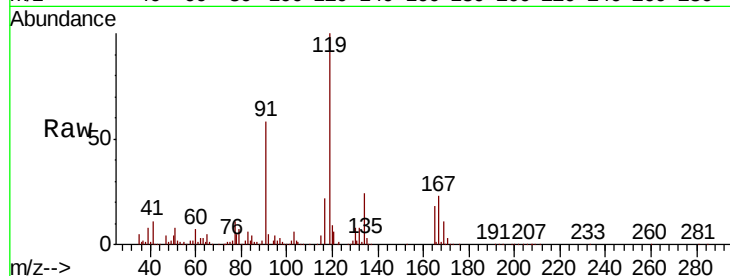
Tgt Ion:119 Resp: 611400

Ion Ratio Lower Upper

119 100

91 59.8 30.4 91.3

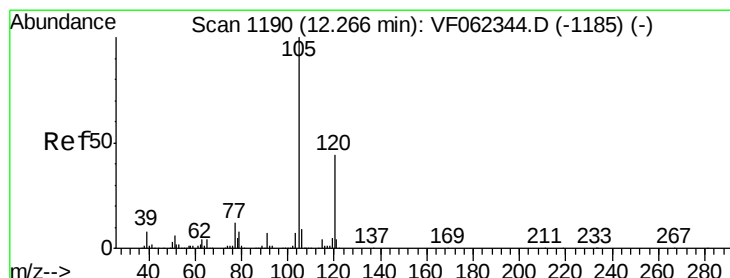
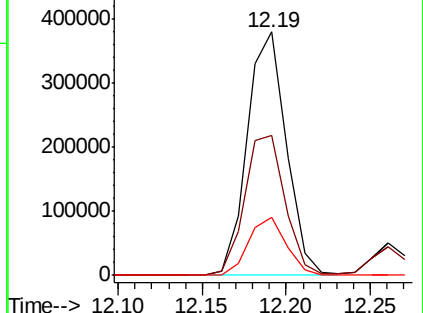
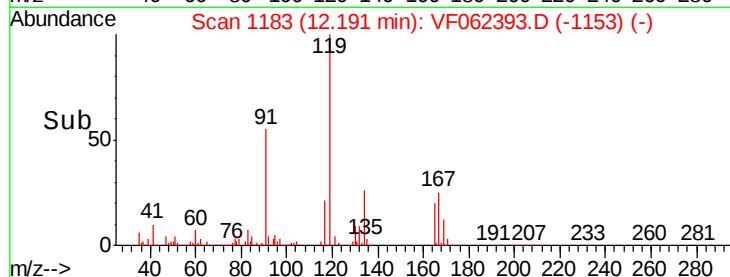
134 23.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.035 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062393.D

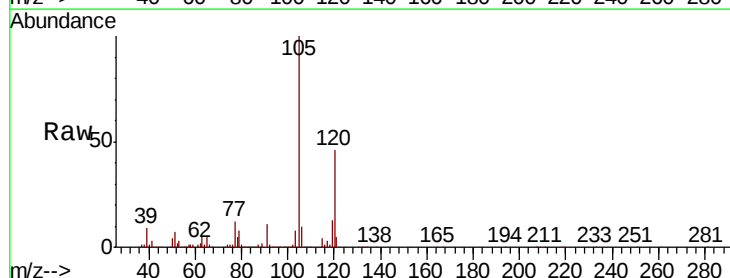
Acq: 9 May 2019 12:41

Tgt Ion:105 Resp: 567567

Ion Ratio Lower Upper

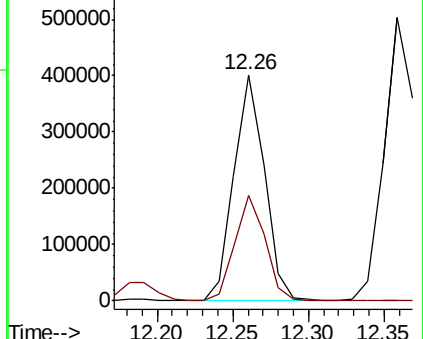
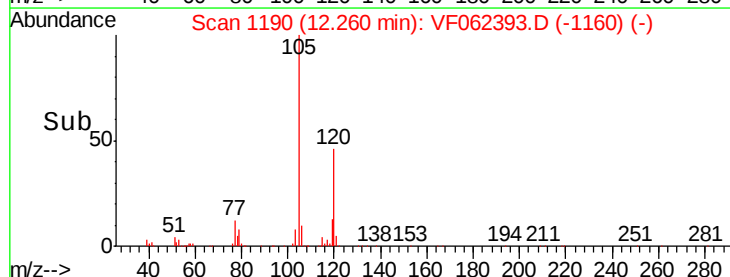
105 100

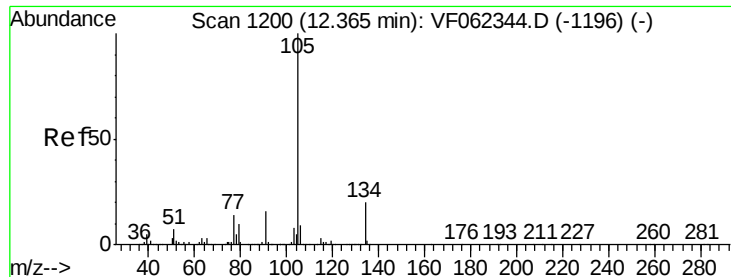
120 45.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.044 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

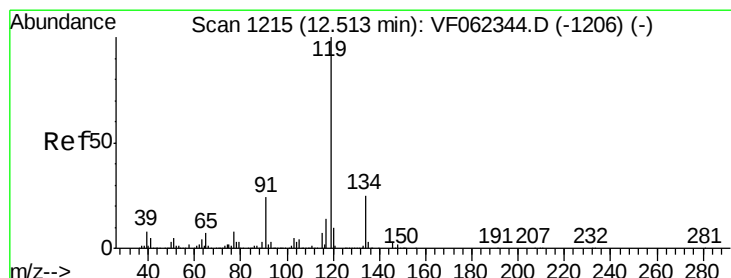
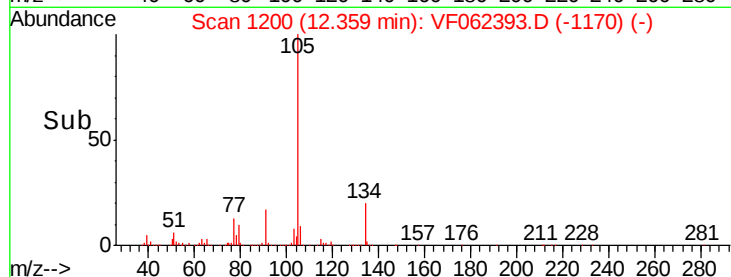
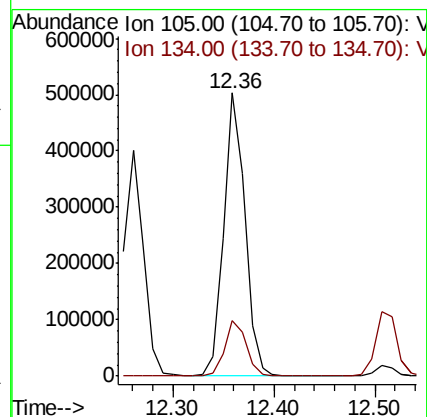
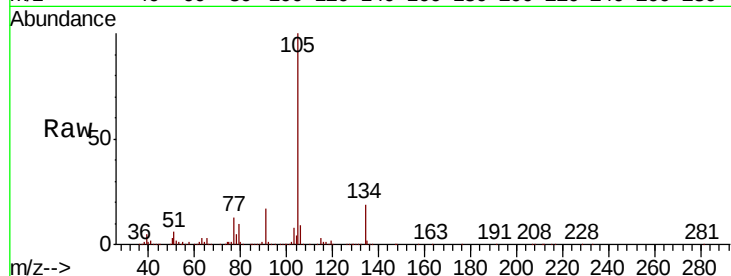
VSTDCCC050

Tgt Ion:105 Resp: 742017

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 53.490 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

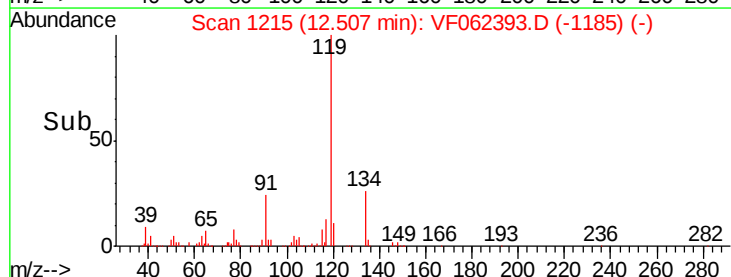
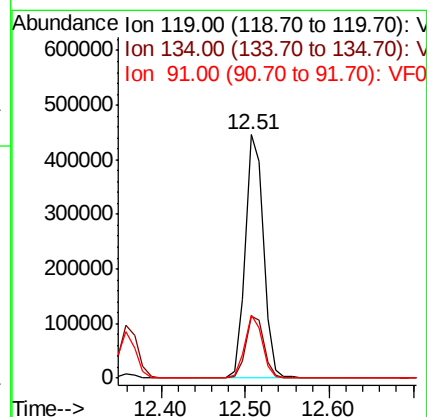
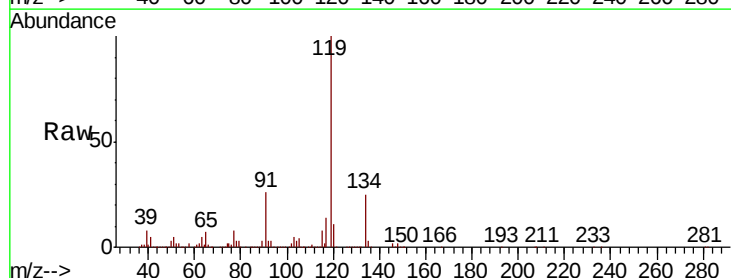
Tgt Ion:119 Resp: 669944

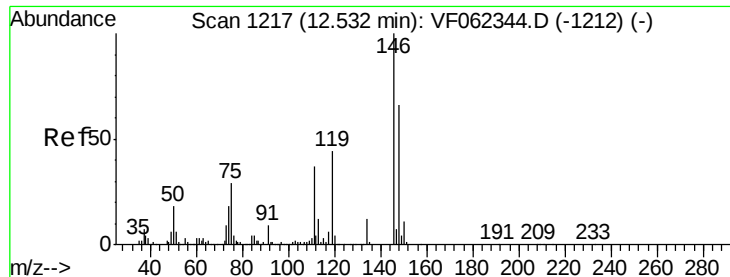
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.5 12.3 36.8

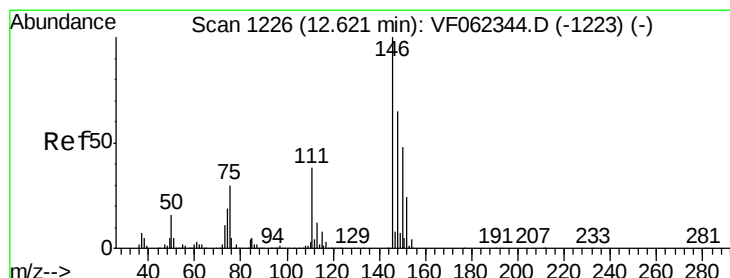
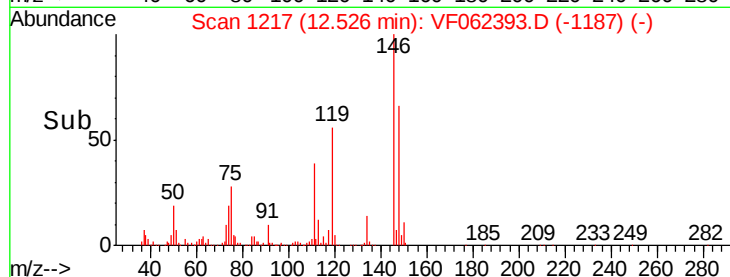
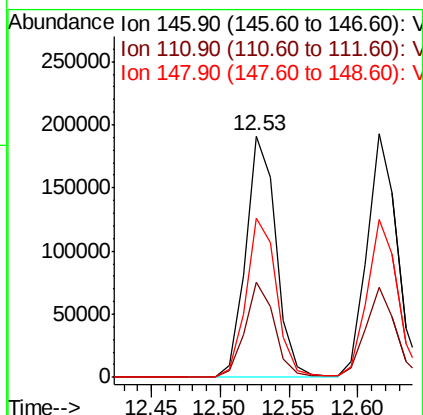
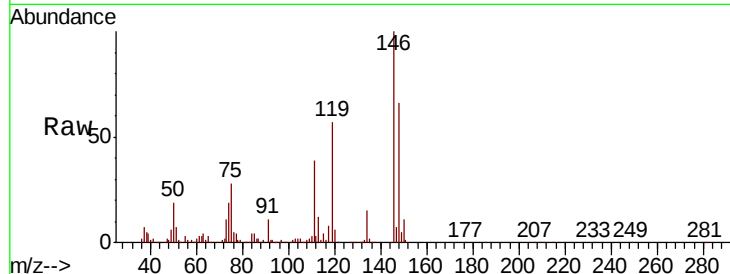




#87
 1,3-Dichlorobenzene
 Concen: 51.147 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

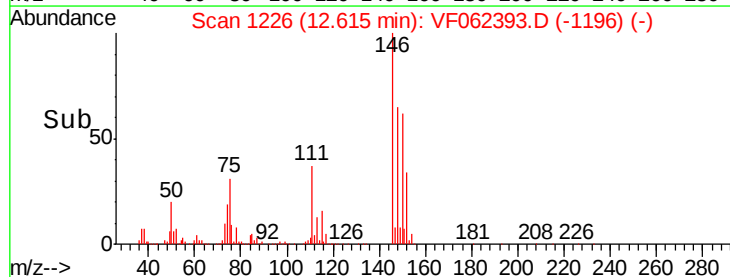
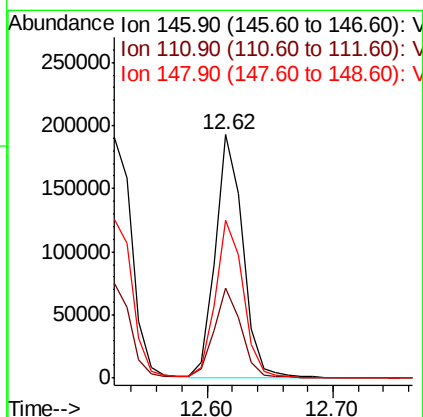
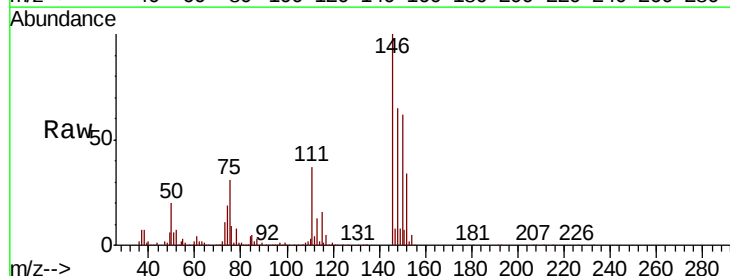
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

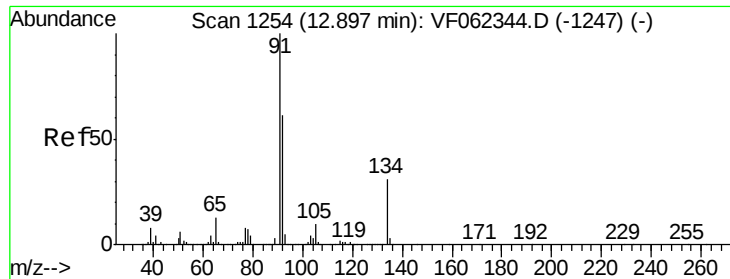
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.3	54.8
148	66.3	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 52.267 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	66.4	32.2	96.6

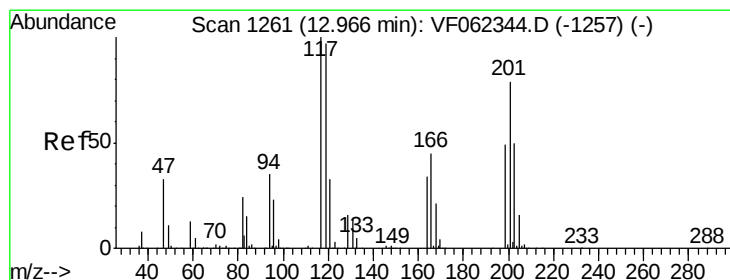
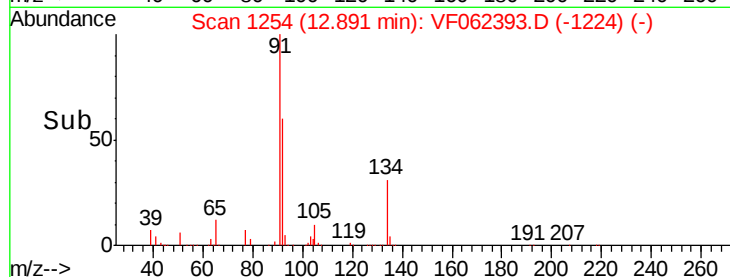
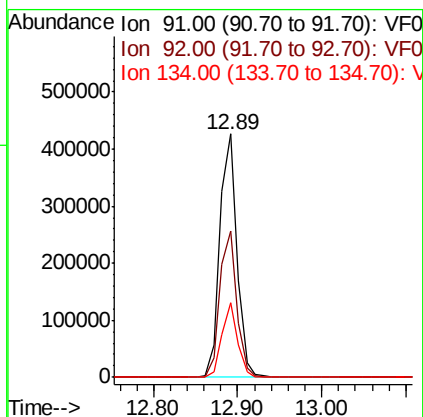
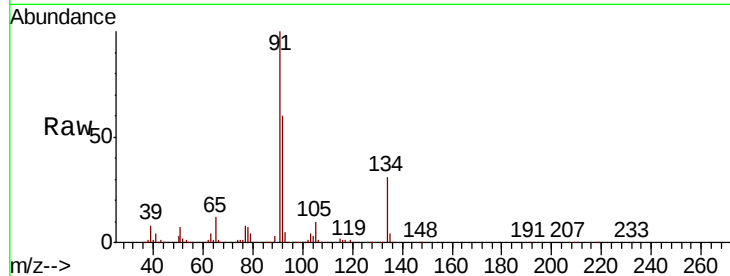




#89
n-Butylbenzene
Concen: 53.941 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

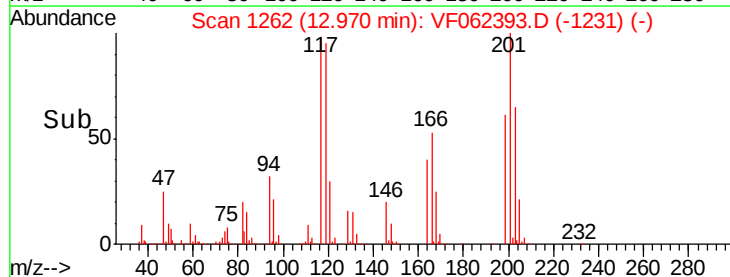
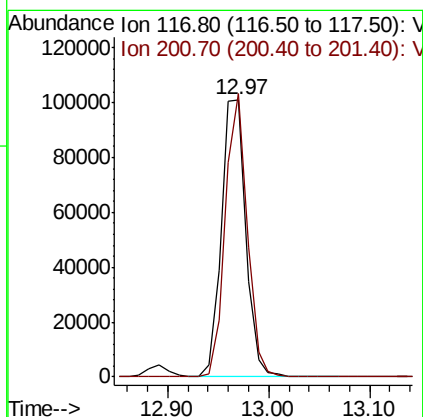
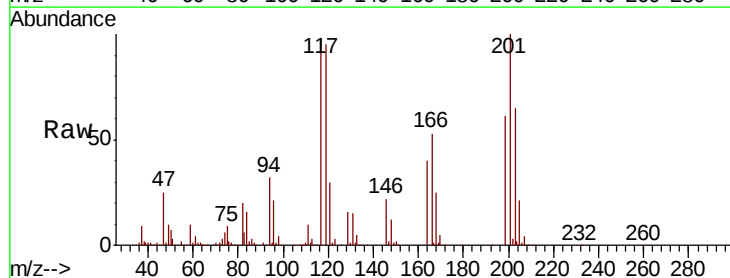
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

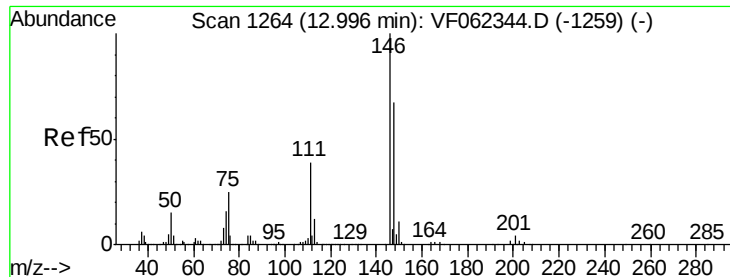
Tgt Ion: 91 Resp: 601053
Ion Ratio Lower Upper
91 100
92 59.6 30.0 90.0
134 28.2 14.1 42.4



#90
Hexachloroethane
Concen: 54.893 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 117 Resp: 171664
Ion Ratio Lower Upper
117 100
201 90.7 46.2 138.5

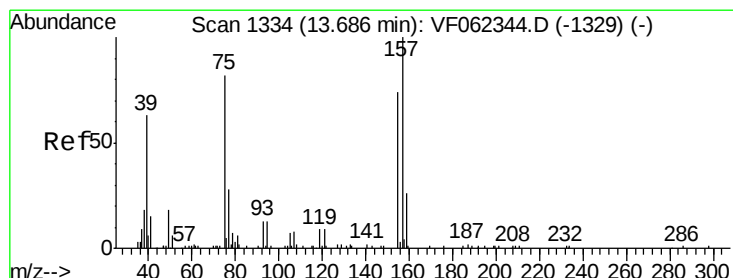
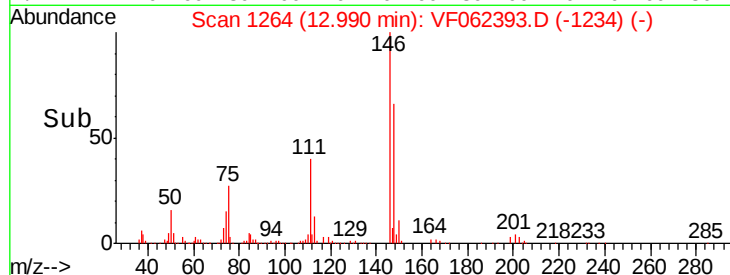
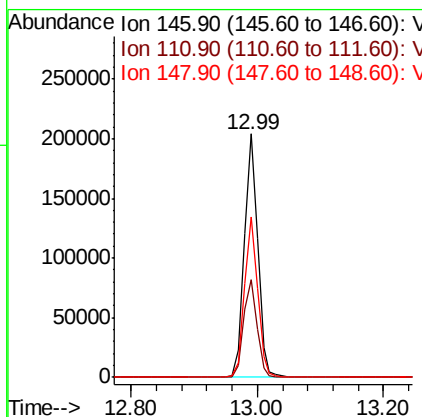
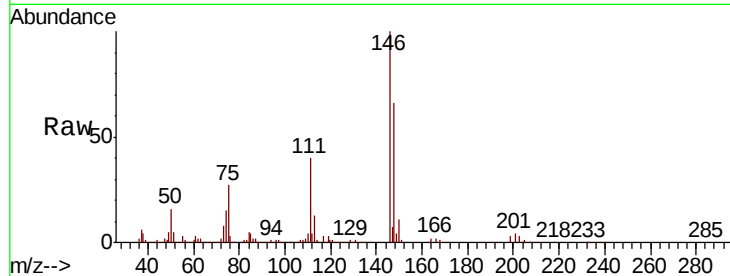




#91
 1,2-Dichlorobenzene
 Concen: 53.325 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

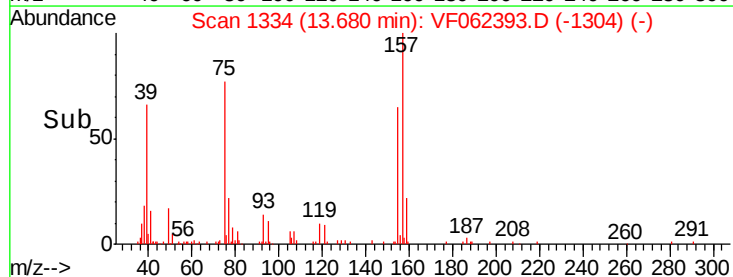
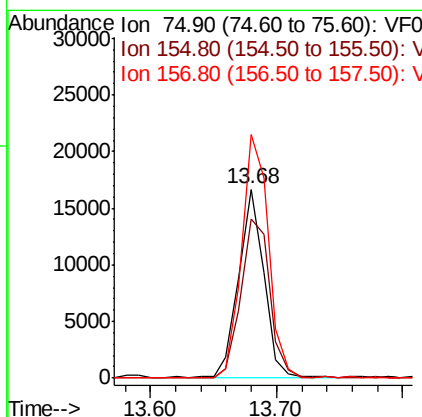
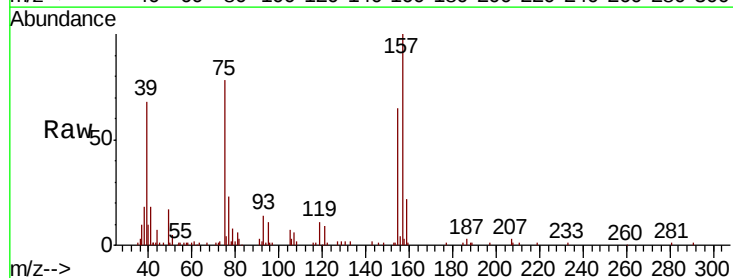
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

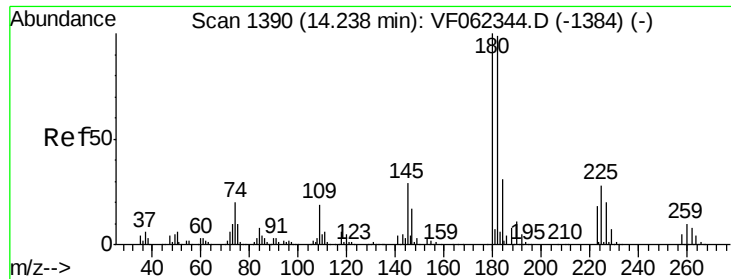
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.4	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.979 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	51.8	155.4
157	135.4	67.3	201.8

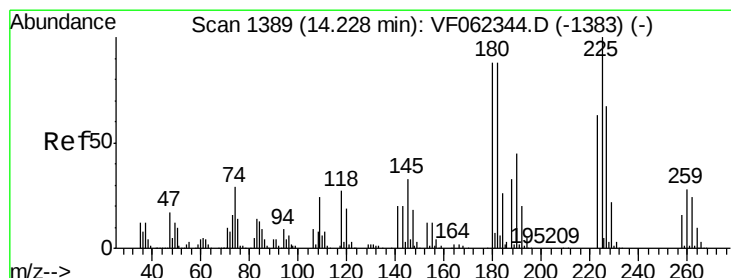
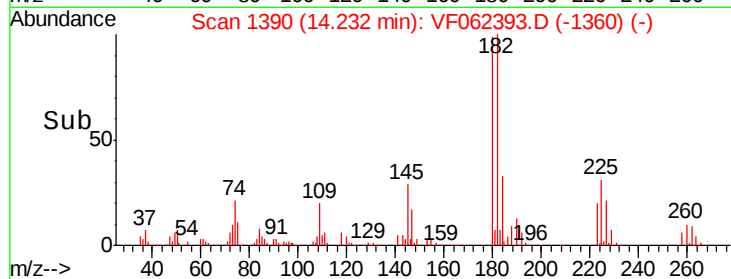
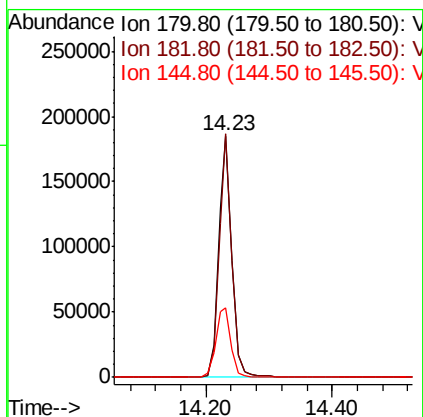
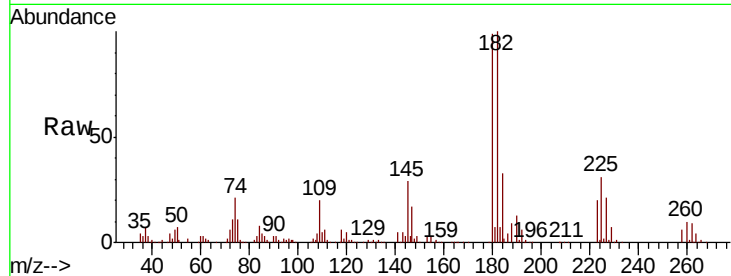




#93
 1,2,4-Trichlorobenzene
 Concen: 54.578 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

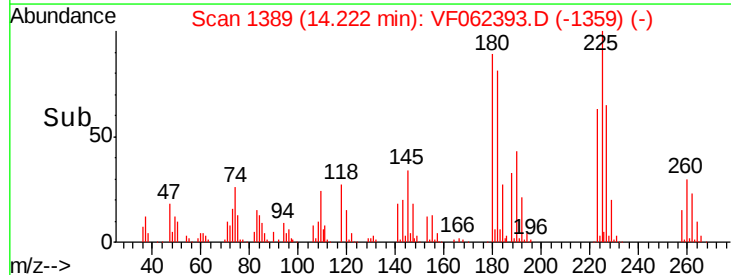
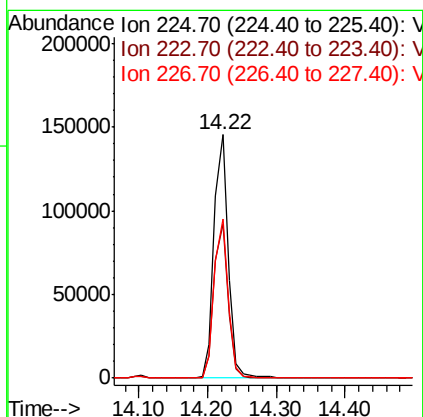
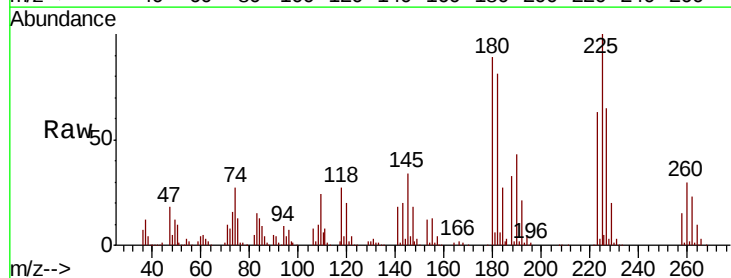
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

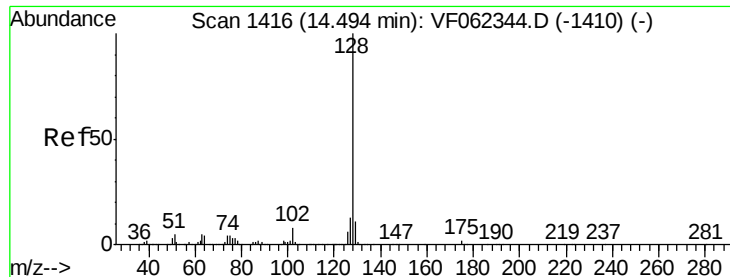
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	49.0	147.0
145	33.3	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 55.471 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.5
227	65.1	33.1	99.5

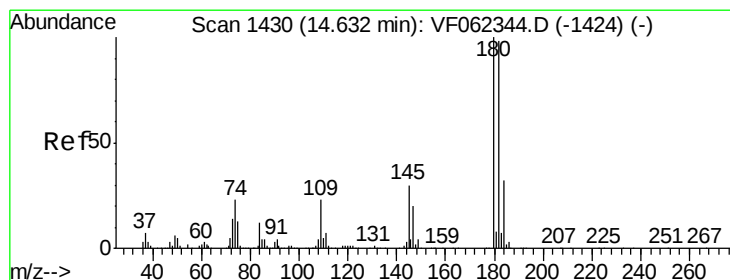
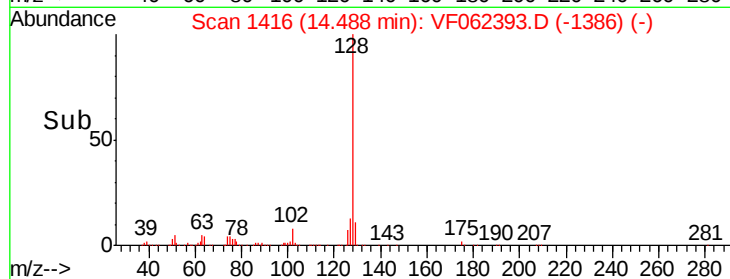
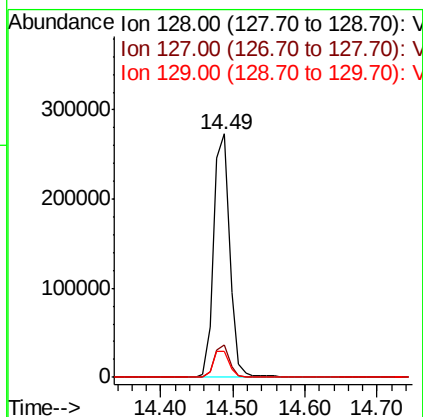
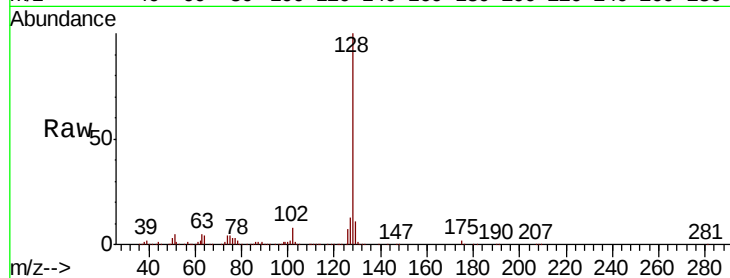




#95
Naphthalene
Concen: 55.389 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 416632
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.812 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion:180 Resp: 275373
Ion Ratio Lower Upper
180 100
182 98.1 49.4 148.0
145 28.8 14.8 44.3

