

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062495.D
 Acq On : 12 May 2019 10:45
 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 13 04:42:32 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	5.06	168	344064	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	398348	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	366192	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	231506	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	167484	51.51	ug/l	0.02
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	4.32	113	183544	57.84	ug/l	0.02
Spiked Amount			Recovery	=	115.68%	
50) Toluene-d8	7.72	98	446079	58.07	ug/l	0.02
Spiked Amount			Recovery	=	116.14%	
62) 4-Bromofluorobenzene	11.50	95	194445	56.10	ug/l	0.01
Spiked Amount			Recovery	=	112.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	170768	42.885	ug/l	96
3) Chloromethane	1.15	50	109465	41.681	ug/l	99
4) Vinyl Chloride	1.20	62	113640	43.382	ug/l	96
5) Bromomethane	1.39	94	99486	50.350	ug/l	100
6) Chloroethane	1.45	64	60657	46.057	ug/l	97
7) Trichlorofluoromethane	1.55	101	272883	50.208	ug/l	95
8) Diethyl Ether	1.71	74	36382	44.240	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	153643	49.515	ug/l	98
10) Methyl Iodide	1.99	142	254527	49.776	ug/l	99
11) Tert butyl alcohol	2.70	59	35915	195.436	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	120151	45.548	ug/l	96
13) Acrolein	2.11	56	29646	262.002	ug/l	96
14) Allyl chloride	2.20	41	175913	75.492	ug/l	98
15) Acrylonitrile	3.10	53	84719	243.372	ug/l	94
16) Acetone	2.35	43	195553	297.300	ug/l	99
17) Carbon Disulfide	1.92	76	251972	43.808	ug/l	98
18) Methyl Acetate	2.47	43	52114	43.007	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	263324	48.358	ug/l	96
20) Methylene Chloride	2.34	84	56803	23.869	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	119244	47.446	ug/l	93
22) Diisopropyl ether	2.94	45	348160	47.805	ug/l	97
23) Vinyl Acetate	3.35	43	752086	231.703	ug/l	99
24) 1,1-Dichloroethane	3.02	63	226277	51.408	ug/l	99
25) 2-Butanone	4.53	43	202781	245.389	ug/l	97
26) 2,2-Dichloropropane	3.78	77	148152	60.272	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	154491	49.176	ug/l	99
28) Bromochloromethane	3.92	49	100208	50.199	ug/l	92
29) Tetrahydrofuran	4.28	42	71410	188.023	ug/l	99
30) Chloroform	4.07	83	292647	49.213	ug/l	94
31) Cyclohexane	3.89	56	155449	44.246	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	261529	51.315	ug/l	98
36) 1,1-Dichloropropene	4.48	75	186644	54.543	ug/l	99
37) Ethyl Acetate	4.31	43	69392	52.320	ug/l #	97
38) Carbon Tetrachloride	4.20	117	293026	84.474	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	166512	48.519	ug/l	99
40) Benzene	4.84	78	428373	56.848	ug/l	95
41) Methacrylonitrile	4.94	41	36266	44.199	ug/l #	89
42) 1,2-Dichloroethane	5.14	62	173812	55.151	ug/l	99
43) Isopropyl Acetate	7.12	43	71436	45.896	ug/l #	98
44) Trichloroethene	5.69	130	148291	53.572	ug/l	99
45) 1,2-Dichloropropane	6.42	63	96580	56.586	ug/l	99
46) Dibromomethane	6.28	93	77119	54.496	ug/l	99
47) Bromodichloromethane	6.56	83	208518	58.936	ug/l	94
48) Methyl methacrylate	6.89	41	52582	47.804	ug/l	97
49) 1,4-Dioxane	6.89	88	11235	993.041	ug/l	88
51) 4-Methyl-2-Pentanone	8.41	43	307584	260.795	ug/l	100
52) Toluene	7.79	92	265348	57.081	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	141449	52.859	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	175952	56.498	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	79335	53.761	ug/l	97
56) Ethyl methacrylate	8.77	69	75936	48.747	ug/l	98
57) 1,3-Dichloropropane	9.01	76	118105	52.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	88902	189.827	ug/l	99
59) 2-Hexanone	9.63	43	234452	287.431	ug/l	96
60) Dibromochloromethane	8.87	129	136988	56.758	ug/l	99
61) 1,2-Dibromoethane	9.14	107	89347	51.514	ug/l	98
64) Tetrachloroethene	8.32	164	138935	46.734	ug/l	95
65) Chlorobenzene	9.94	112	322104	53.162	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	164926	53.959	ug/l	98
67) Ethyl Benzene	10.04	91	543135	51.193	ug/l	98
68) m/p-Xylenes	10.27	106	413506	105.633	ug/l	99
69) o-Xylene	10.83	106	237565	56.162	ug/l	98
70) Styrene	10.90	104	331926	52.358	ug/l	98
71) Bromoform	10.89	173	86939	51.919	ug/l #	99
73) Isopropylbenzene	11.22	105	706181	51.454	ug/l	99
74) N-amyl acetate	11.45	43	134406	45.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	108152	50.328	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	77964	47.554	ug/l #	100
77) Bromobenzene	11.59	156	182259	50.600	ug/l	98
78) n-propylbenzene	11.68	91	736657	50.415	ug/l	99
79) 2-Chlorotoluene	11.81	91	458198	50.429	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	591932	49.207	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	42988	69.756	ug/l #	65
82) 4-Chlorotoluene	11.98	91	455708	50.781	ug/l	100
83) tert-Butylbenzene	12.20	119	627255	49.615	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	572918	48.667	ug/l	98
85) sec-Butylbenzene	12.38	105	779907	50.682	ug/l	98
86) p-Isopropyltoluene	12.53	119	711877	49.792	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	327451	49.776	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	318499	50.163	ug/l	99
89) n-Butylbenzene	12.90	91	651482	51.218	ug/l	97
90) Hexachloroethane	12.98	117	174008	48.745	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	320729	50.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	22369	46.464	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

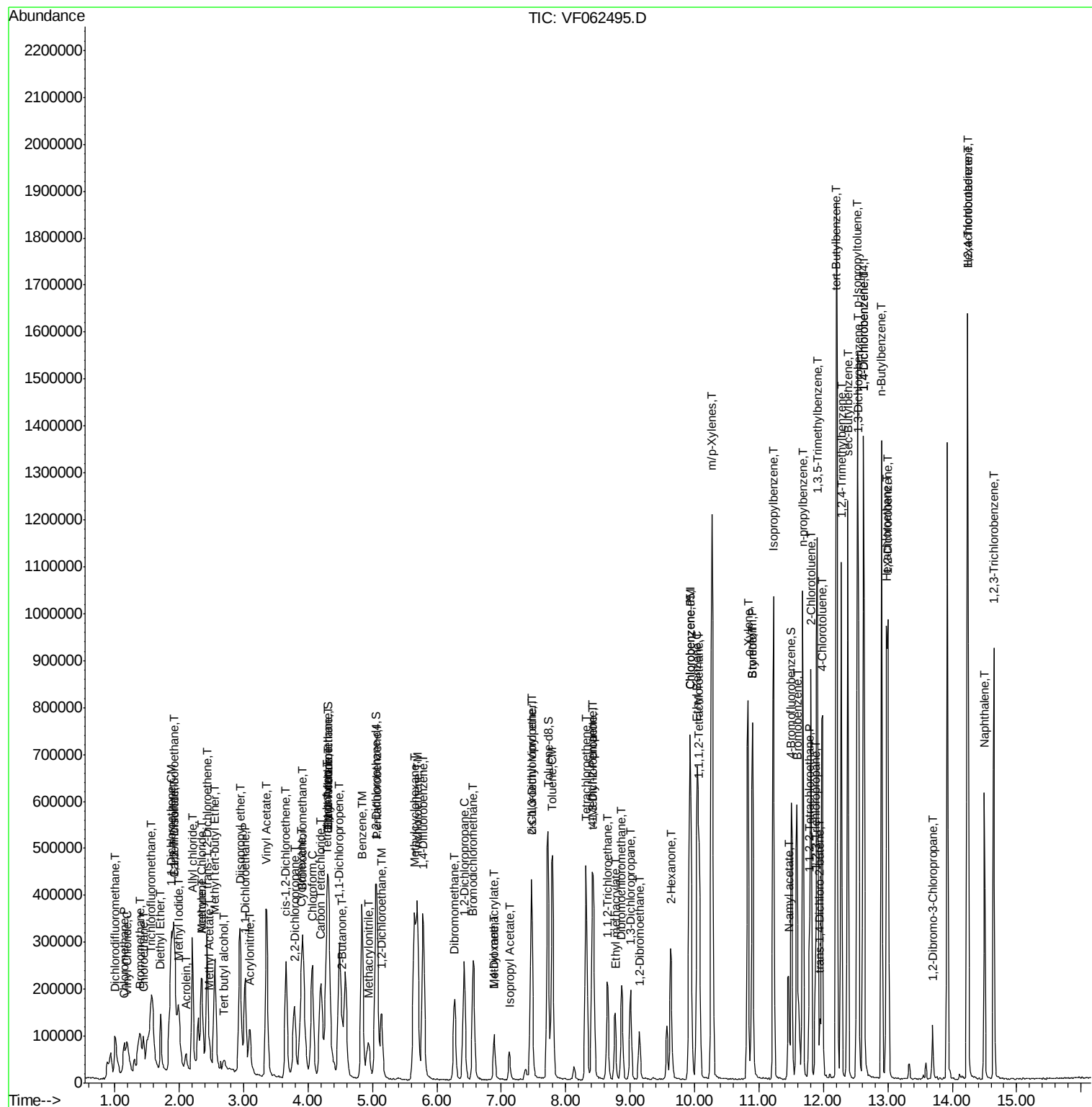
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	284608	49.833	ug/l	99
94) Hexachlorobutadiene	14.23	225	214507	50.392	ug/l	96
95) Naphthalene	14.50	128	427512	49.790	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	272934	49.328	ug/l	98

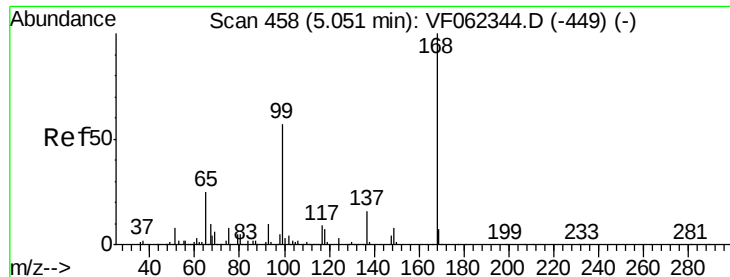
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

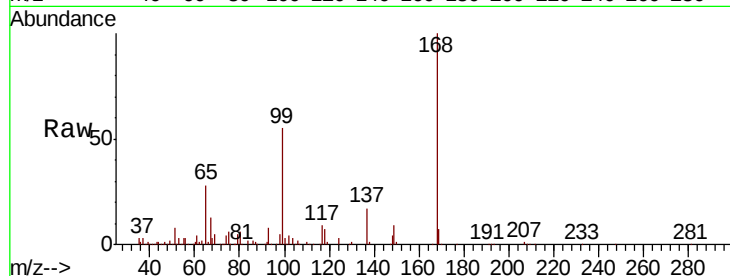
VSTDCCC050

Tot Ion:168 Resp: 344064

Ion Ratio Lower Upper

168 100

99 55.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

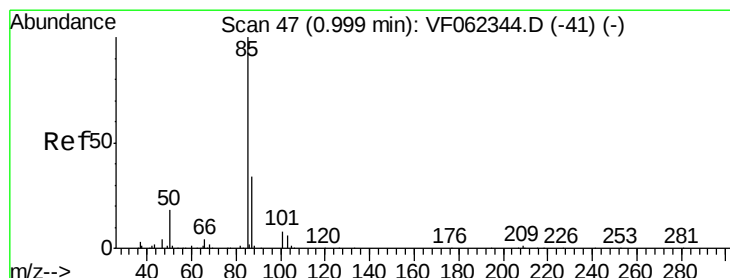
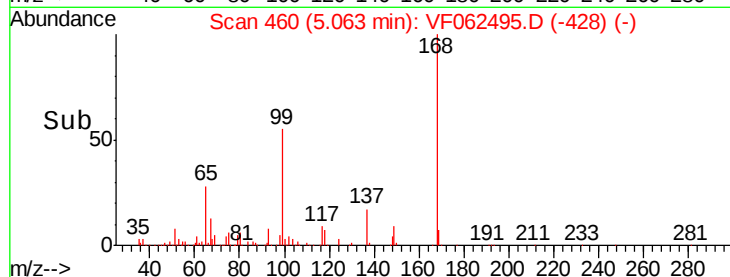
5.06

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.885 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062495.D

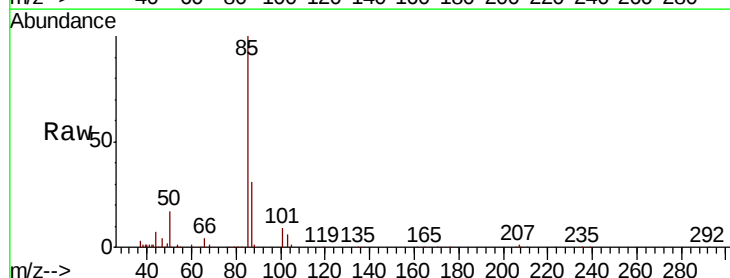
Acq: 12 May 2019 10:45

Tgt Ion: 85 Resp: 170768

Ion Ratio Lower Upper

85 100

87 31.2 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

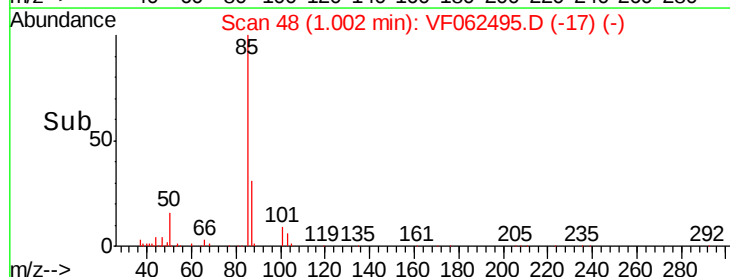
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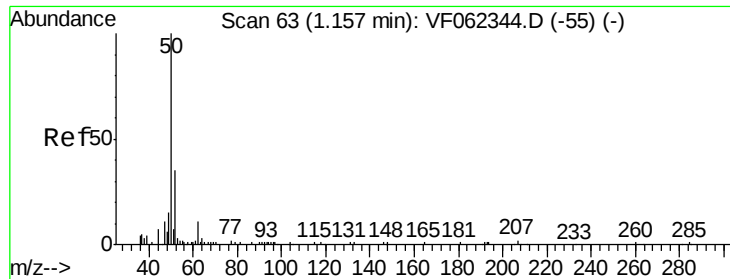
20000

10000

0

Time-->





#3

Chloromethane

Concen: 41.681 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

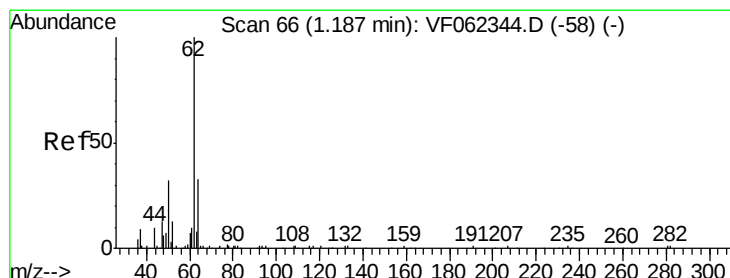
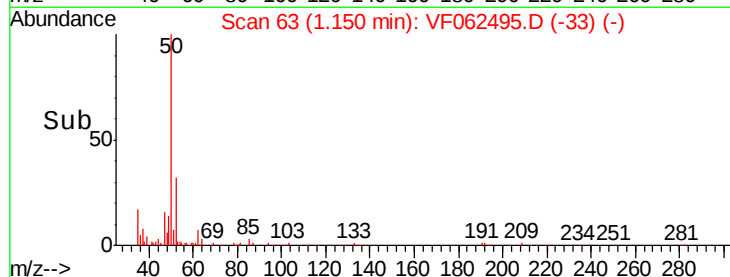
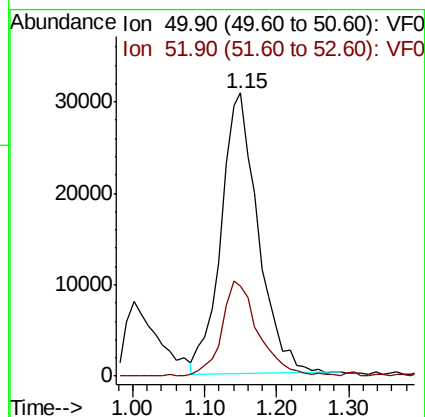
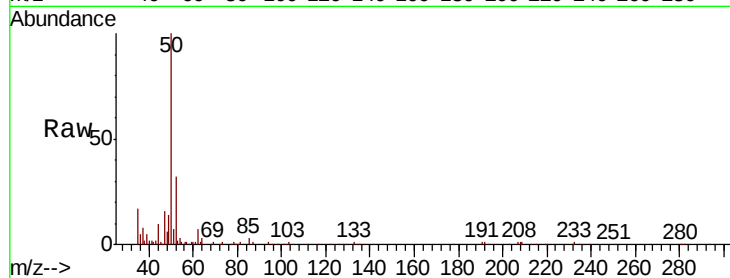
VSTDCCC050

Tot Ion: 50 Resp: 109465

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 43.382 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062495.D

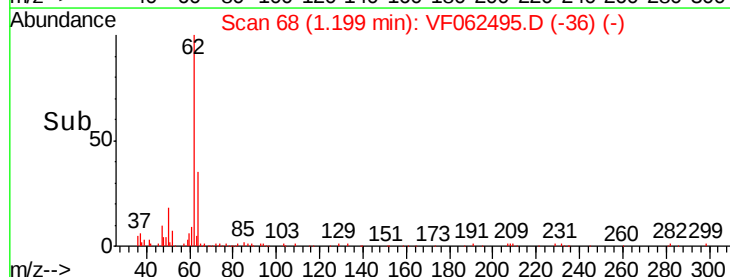
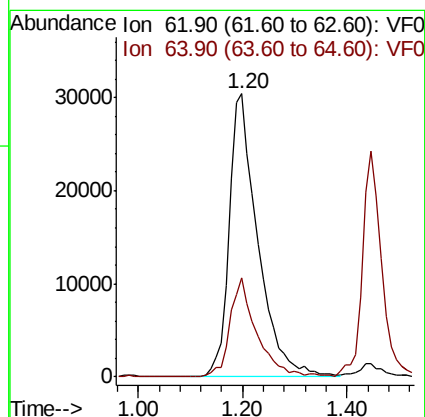
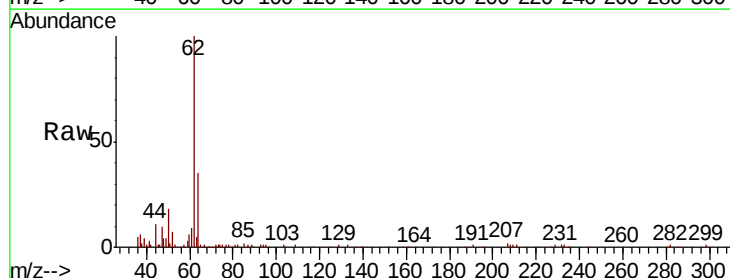
Acq: 12 May 2019 10:45

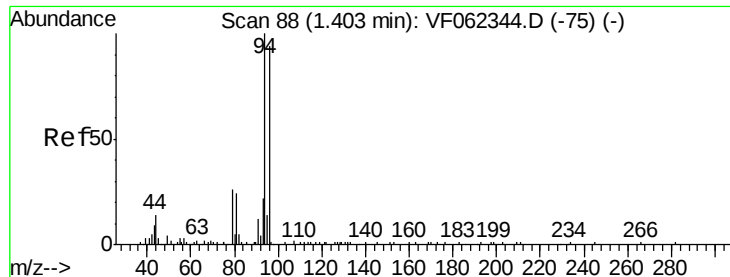
Tgt Ion: 62 Resp: 113640

Ion Ratio Lower Upper

62 100

64 34.9 26.1 39.1





#5

Bromomethane

Concen: 50.350 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

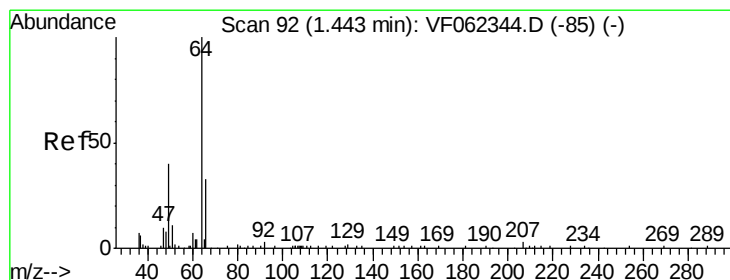
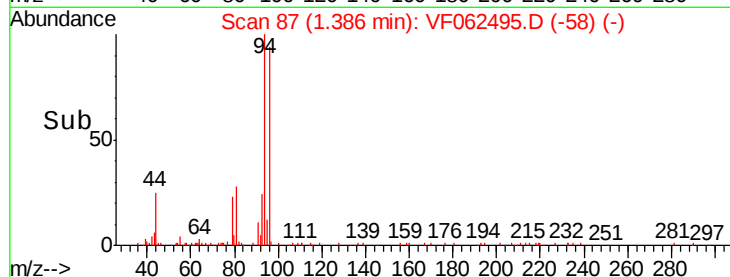
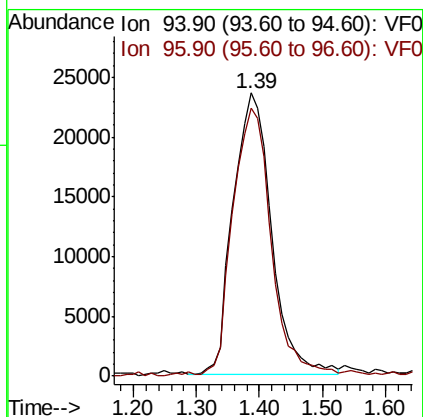
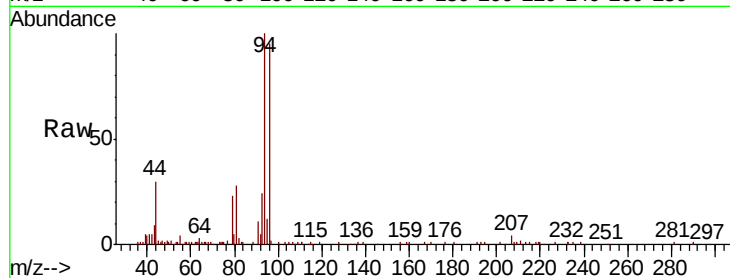
VSTDCCC050

Tot Ion: 94 Resp: 99486

Ion Ratio Lower Upper

94 100

96 94.3 75.4 113.2



#6

Chloroethane

Concen: 46.057 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062495.D

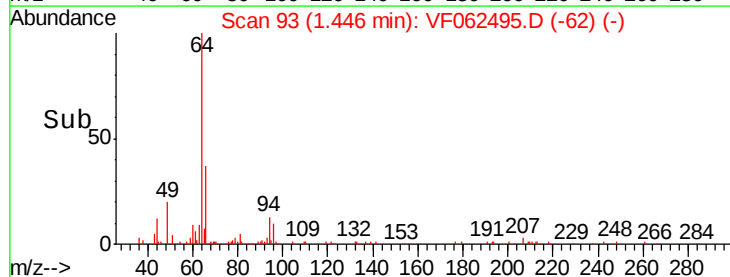
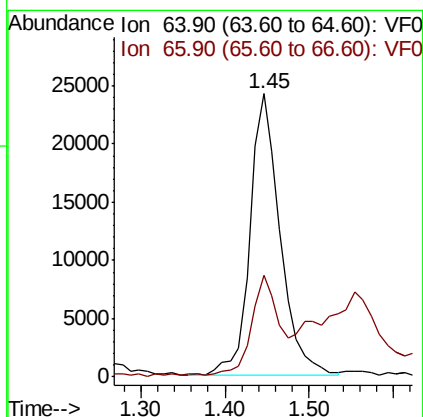
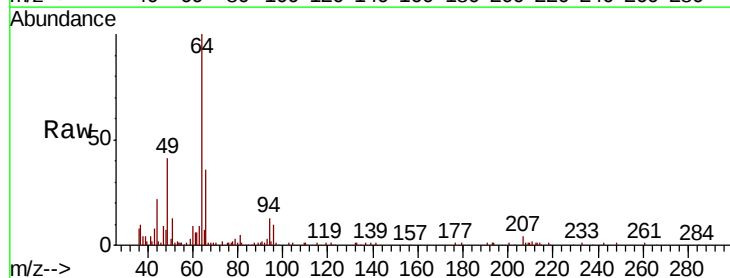
Acq: 12 May 2019 10:45

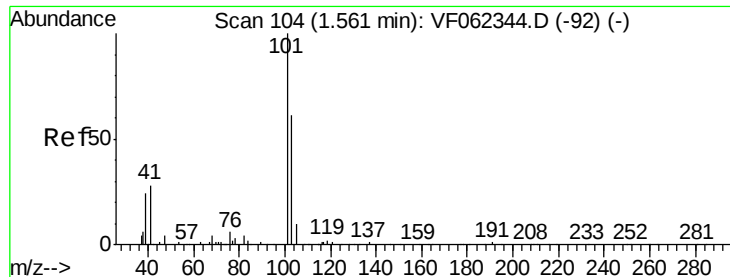
Tgt Ion: 64 Resp: 60657

Ion Ratio Lower Upper

64 100

66 35.1 26.6 39.8



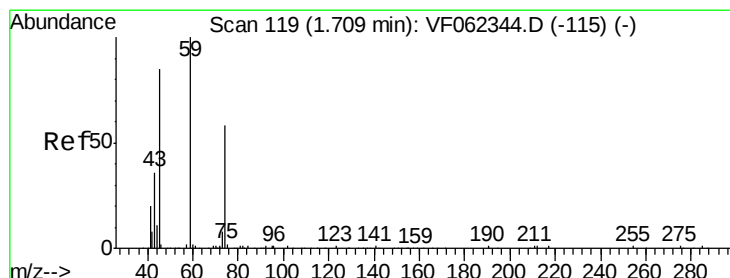
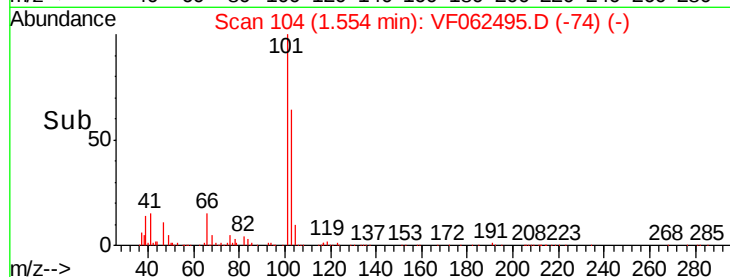
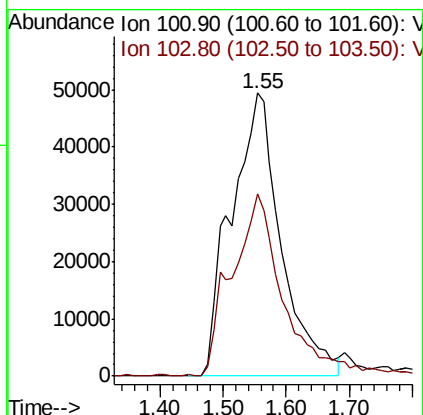
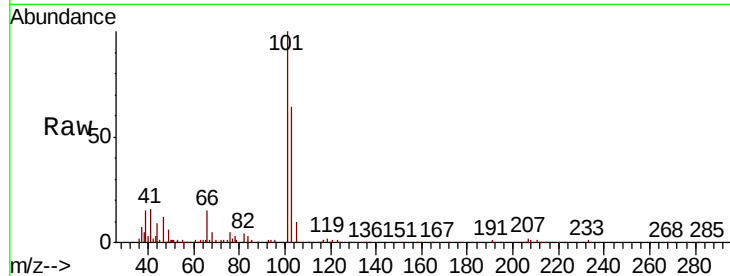


#7

Trichlorofluoromethane
Concen: 50.208 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Instrument :
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ClientSampleId :
VSTDCCC050

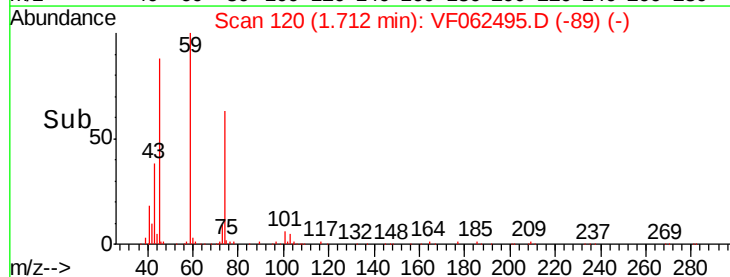
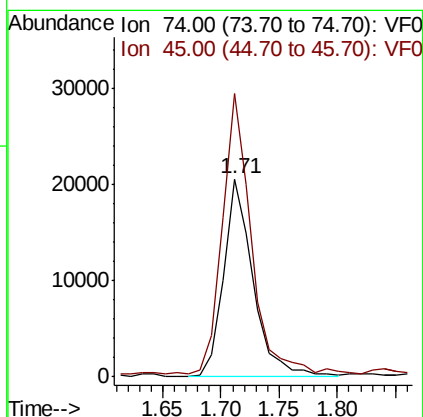
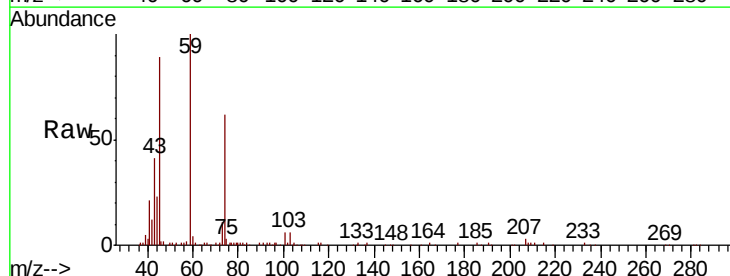
Tot Ion:101 Resp: 272883
Ion Ratio Lower Upper
101 100
103 64.0 48.5 72.7



#8

Diethyl Ether
Concen: 44.240 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 74 Resp: 36382
Ion Ratio Lower Upper
74 100
45 138.1 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.515 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

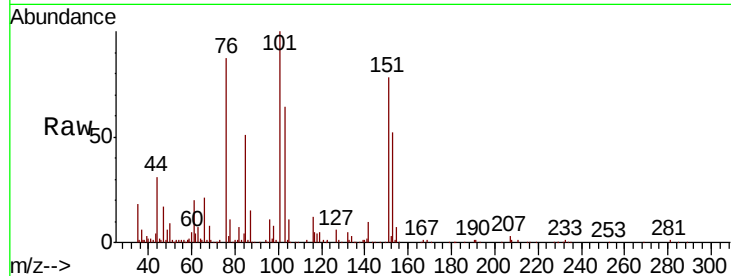
Tot Ion:101 Resp: 153643

Ion Ratio Lower Upper

101 100

85 48.9 39.5 59.3

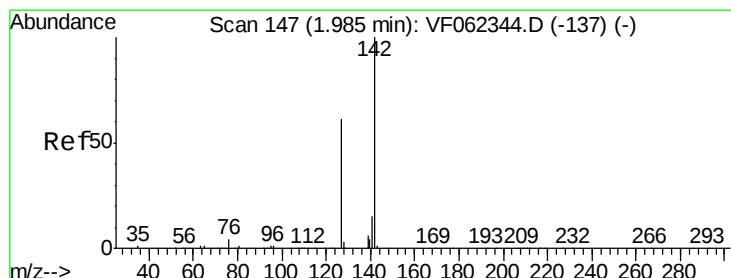
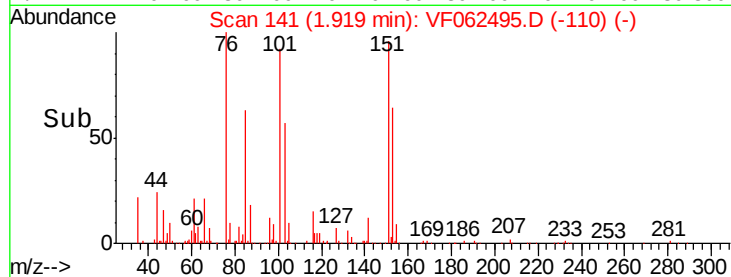
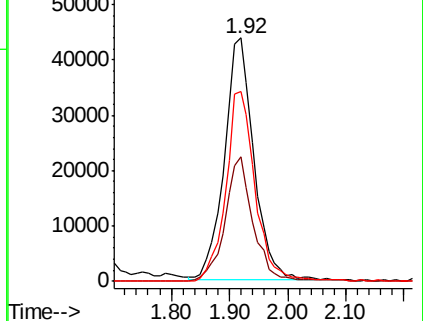
151 77.8 59.9 89.9



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: 49.776 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

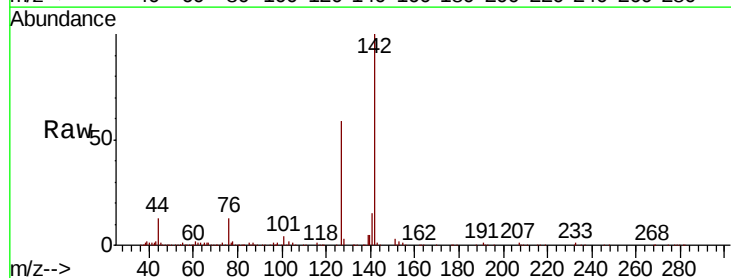
Tgt Ion:142 Resp: 254527

Ion Ratio Lower Upper

142 100

127 59.2 48.4 72.6

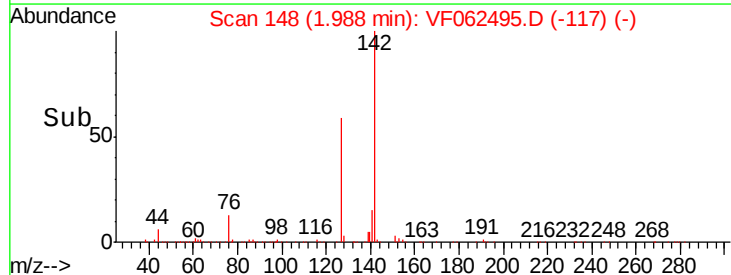
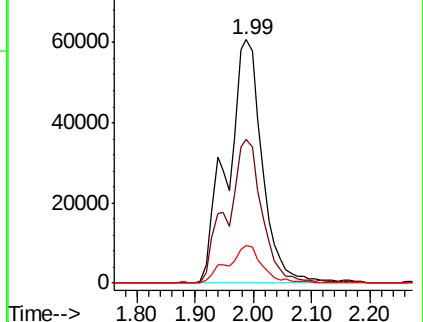
141 15.6 12.2 18.4

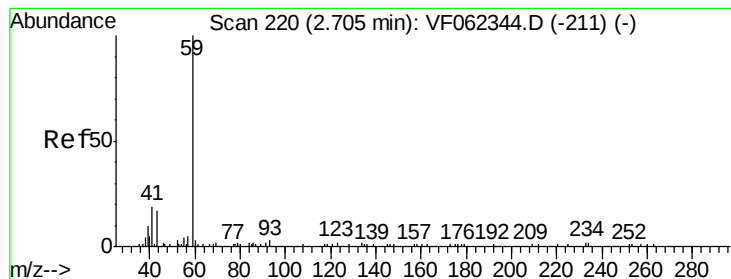


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



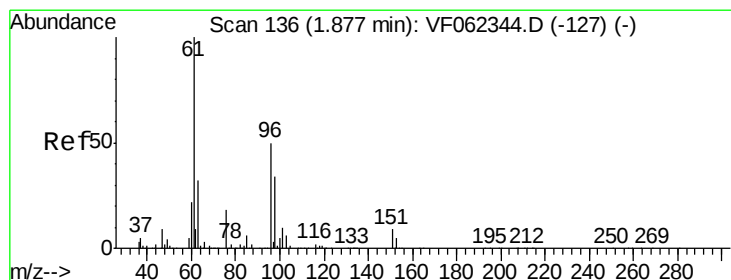
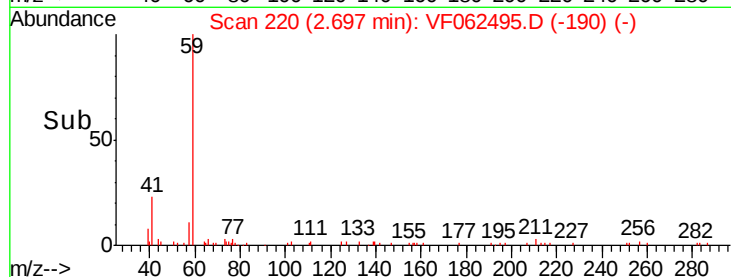
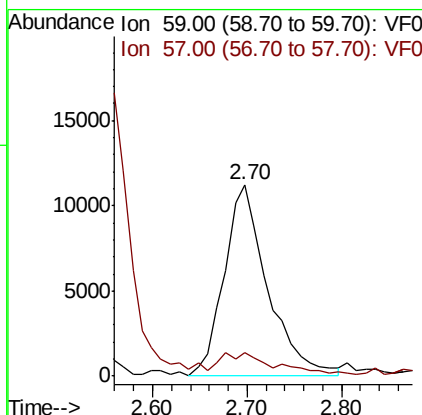
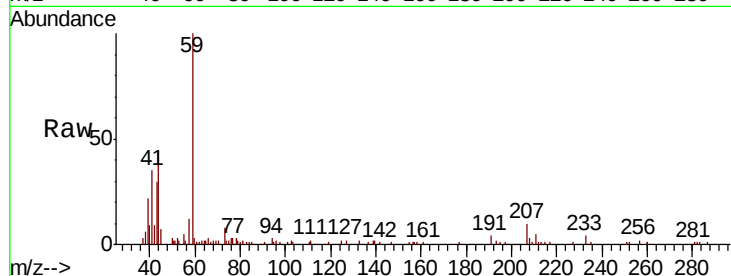


#11

Tert butyl alcohol
 Concen: 195.436 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

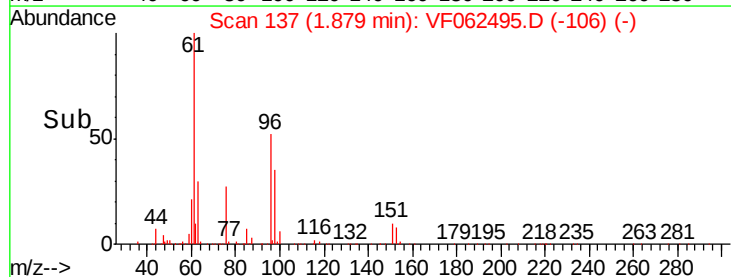
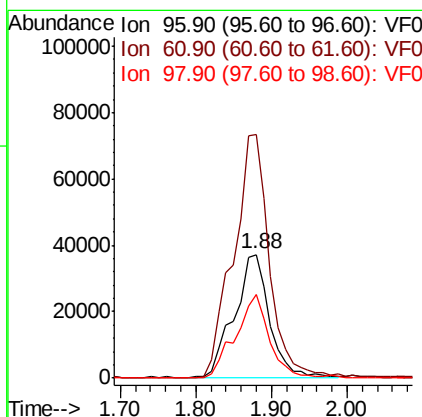
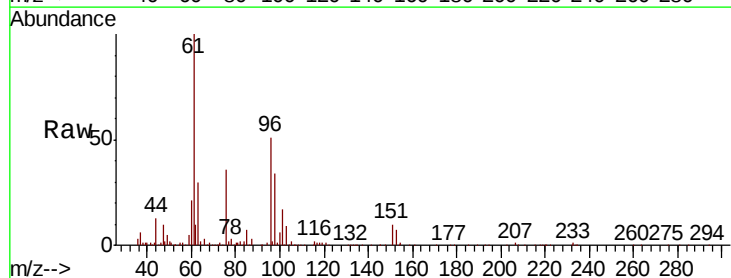
Tot Ion: 59 Resp: 35915
 Ion Ratio Lower Upper
 59 100
 57 14.0 9.3 13.9#

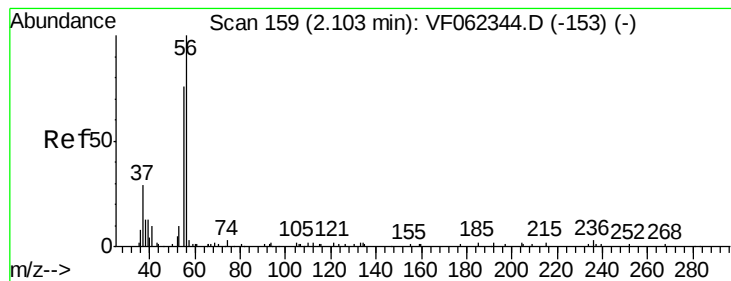


#12

1,1-Dichloroethene
 Concen: 45.548 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion: 96 Resp: 120151
 Ion Ratio Lower Upper
 96 100
 61 197.8 163.2 244.8
 98 67.4 55.2 82.8





#13

Acrolein

Concen: 262.002 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

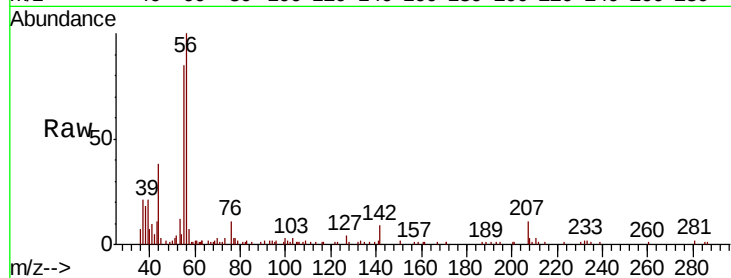
VSTDCCC050

Tot Ion: 56 Resp: 29646

Ion Ratio Lower Upper

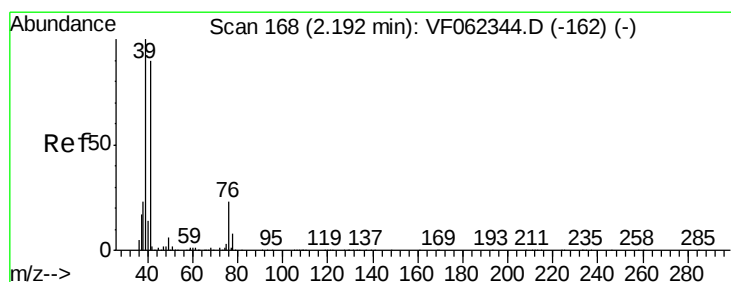
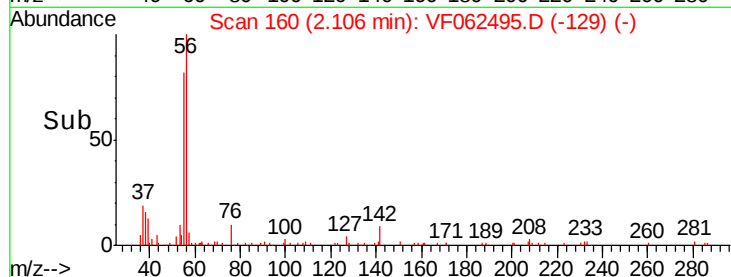
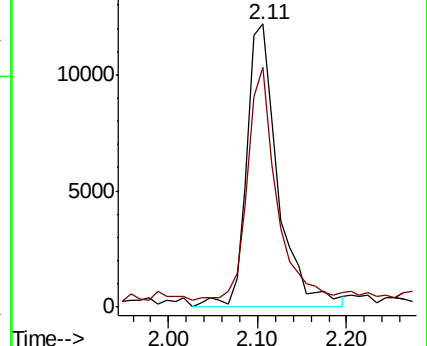
56 100

55 76.0 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 75.492 ug/l

RT: 2.20 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

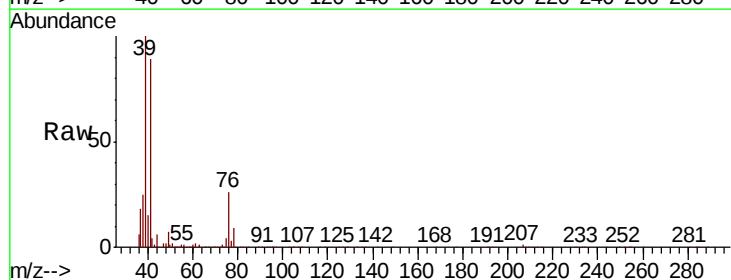
Tgt Ion: 41 Resp: 175913

Ion Ratio Lower Upper

41 100

39 113.9 90.8 136.2

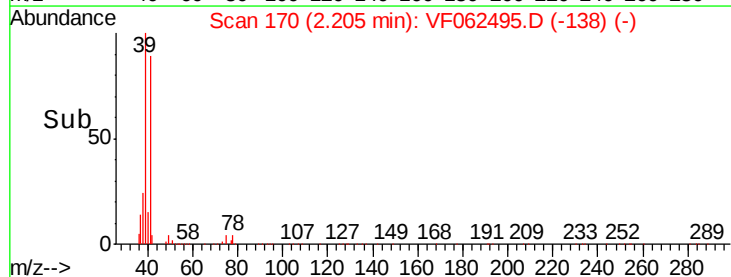
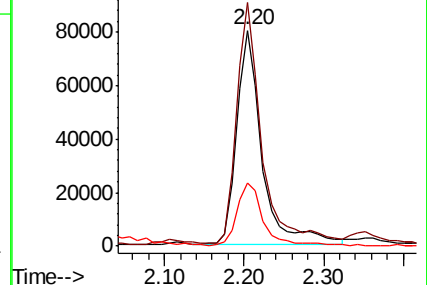
76 31.3 22.2 33.4

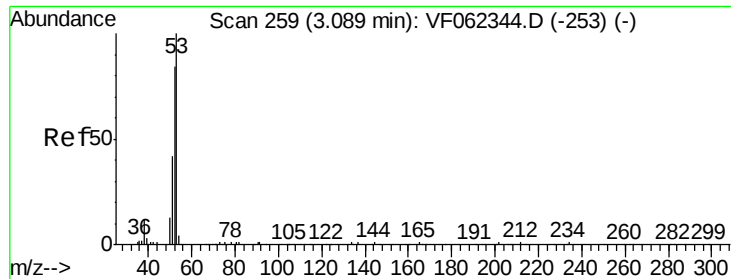


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 243.372 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

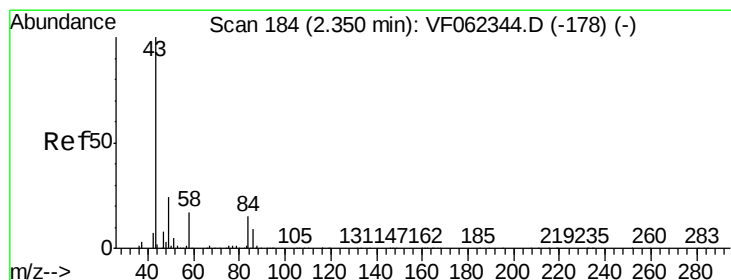
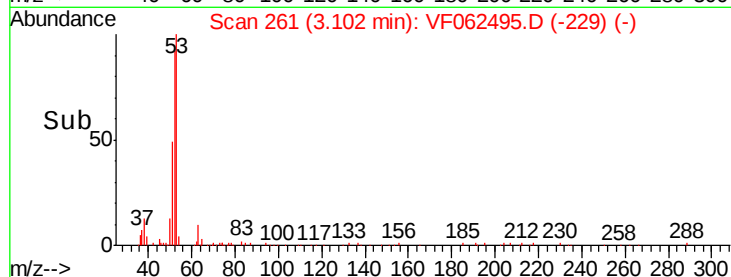
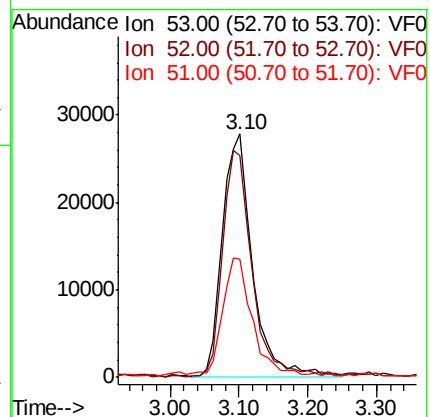
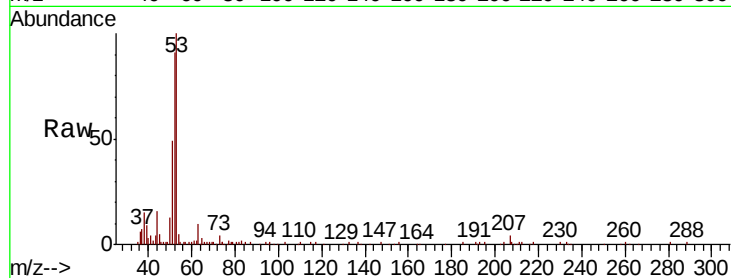
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 84719

Ion	Ratio	Lower	Upper
53	100		
52	90.2	77.2	115.8
51	47.9	40.6	61.0



#16

Acetone

Concen: 297.300 ug/l

RT: 2.35 min Scan# 185

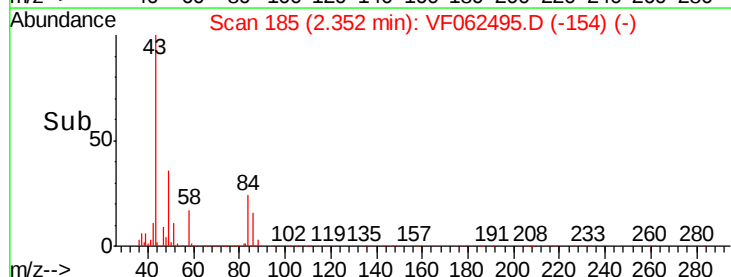
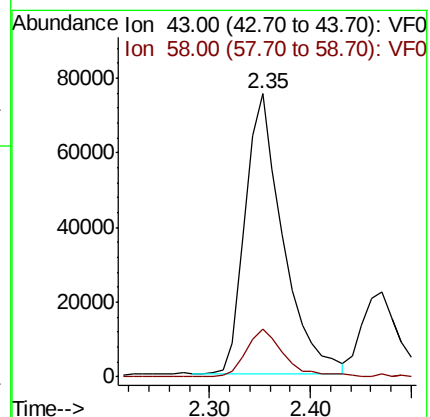
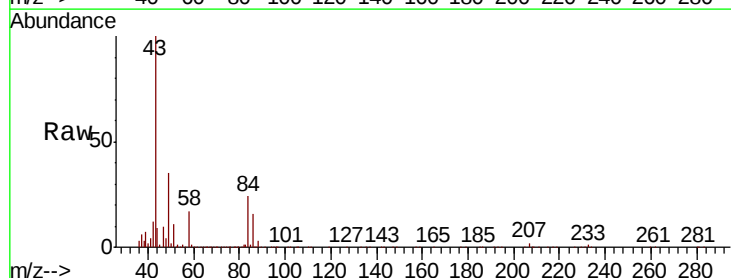
Delta R.T. 0.00 min

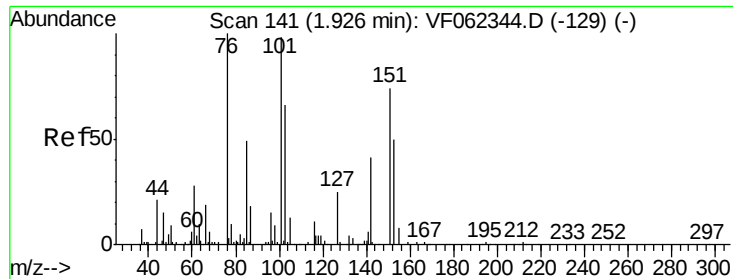
Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion: 43 Resp: 195553

Ion	Ratio	Lower	Upper
43	100		
58	16.9	13.1	19.7

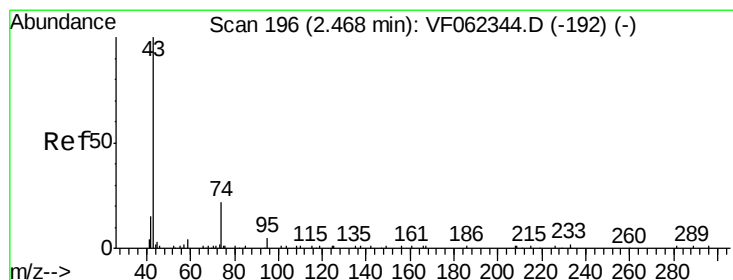
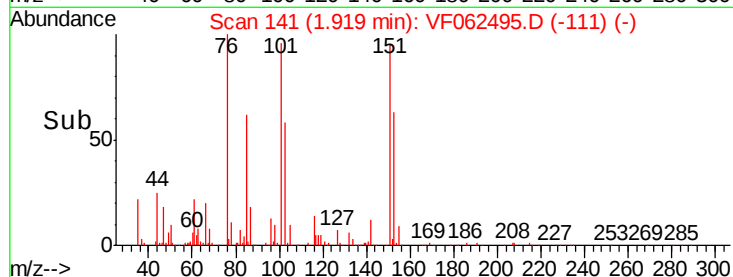
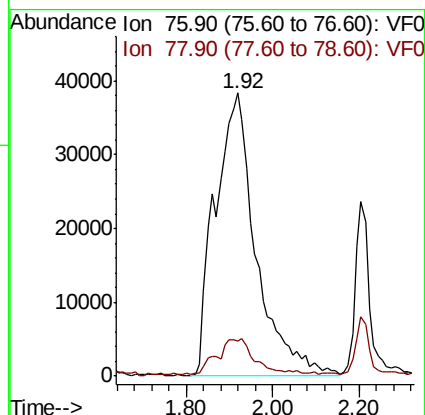
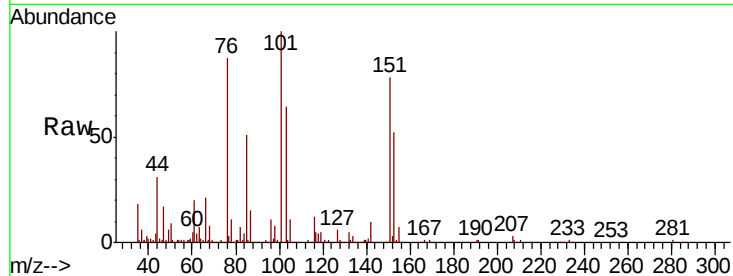




#17
Carbon Disulfide
Concen: 43.808 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

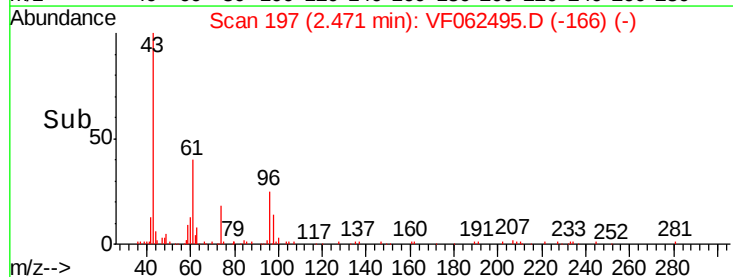
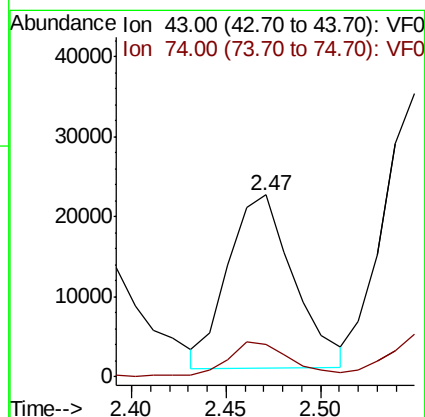
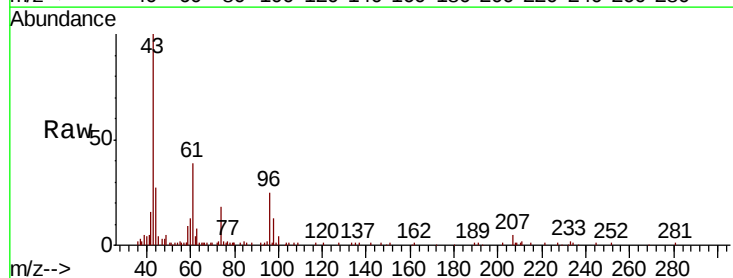
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

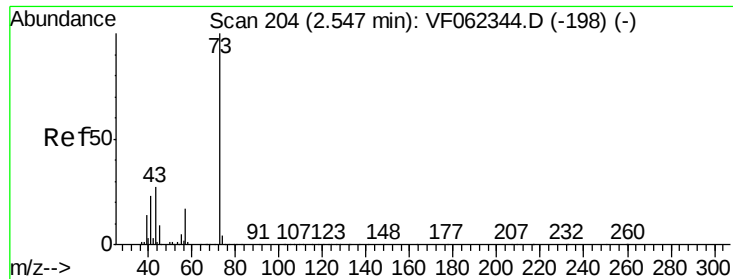
Tot Ion: 76 Resp: 251972
Ion Ratio Lower Upper
76 100
78 11.9 9.0 13.4



#18
Methyl Acetate
Concen: 43.007 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 43 Resp: 52114
Ion Ratio Lower Upper
43 100
74 19.8 15.0 22.4

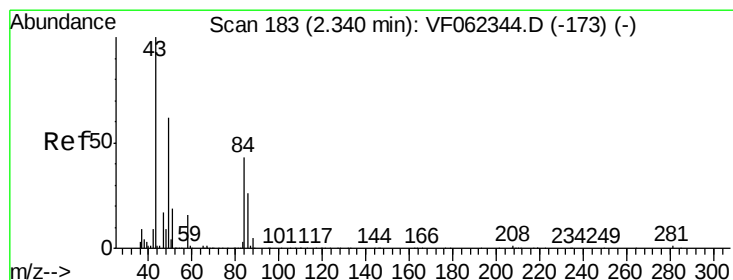
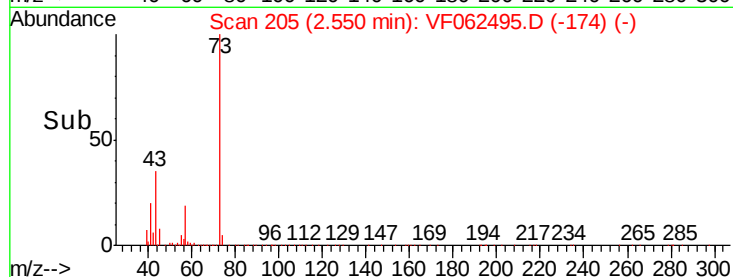
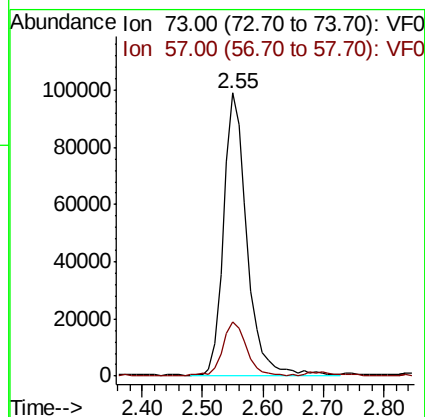
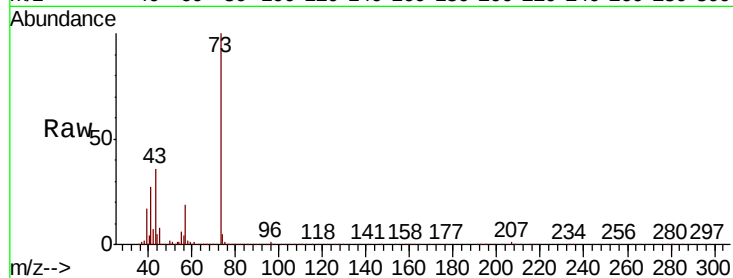




#19
Methvl tert-butvl Ether
Concen: 48.358 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

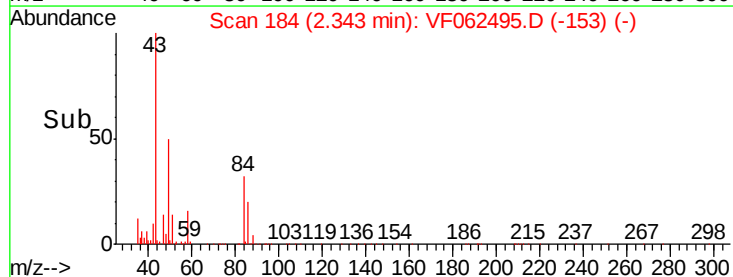
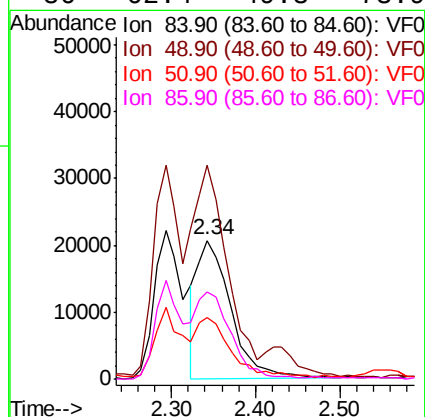
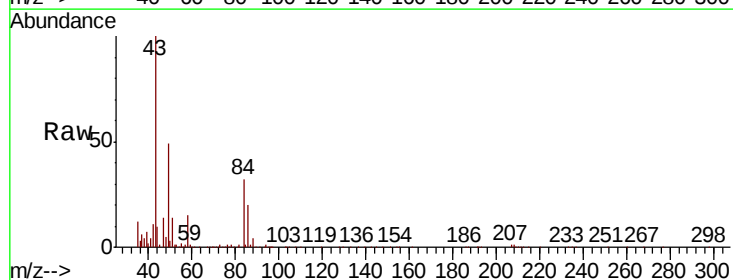
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

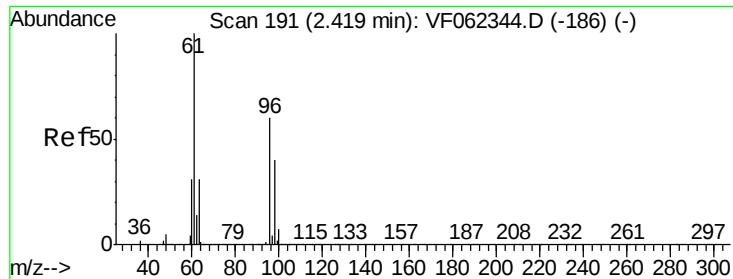
Tot Ion: 73 Resp: 263324
Ion Ratio Lower Upper
73 100
57 18.8 13.7 20.5



#20
Methylene Chloride
Concen: 23.869 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 84 Resp: 56803
Ion Ratio Lower Upper
84 100
49 153.7 117.5 176.3
51 43.5 37.0 55.4
86 62.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.446 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

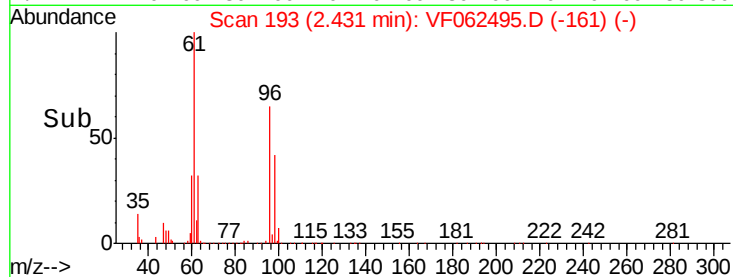
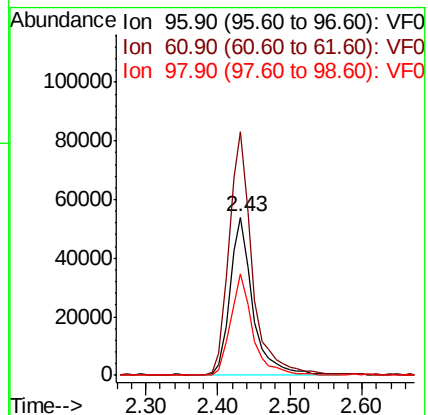
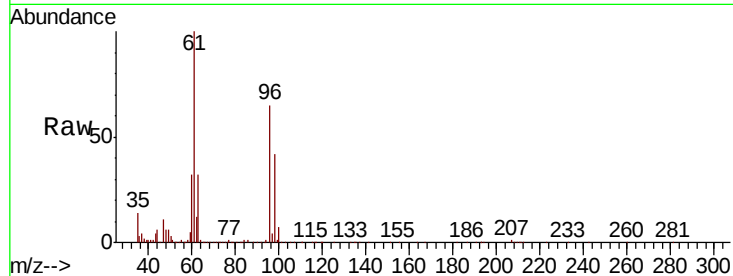
Tot Ion: 96 Resp: 119244

Ion Ratio Lower Upper

96 100

61 154.0 133.2 199.8

98 64.5 53.1 79.7



#22

Diisopropyl ether

Concen: 47.805 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion: 45 Resp: 348160

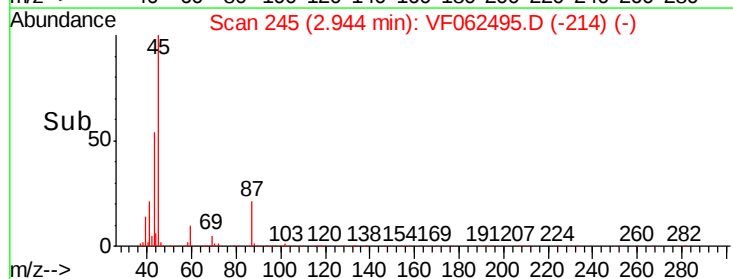
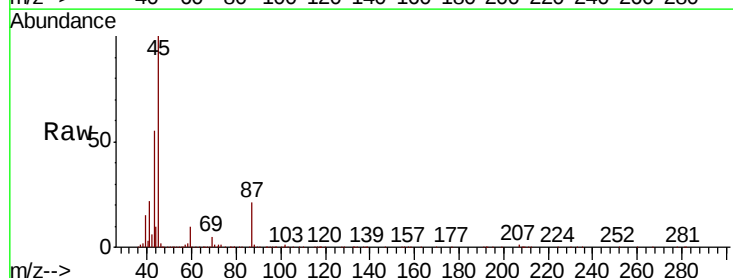
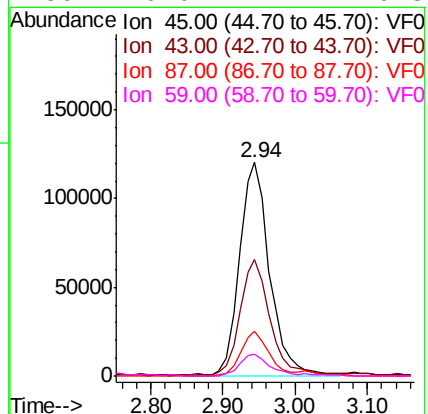
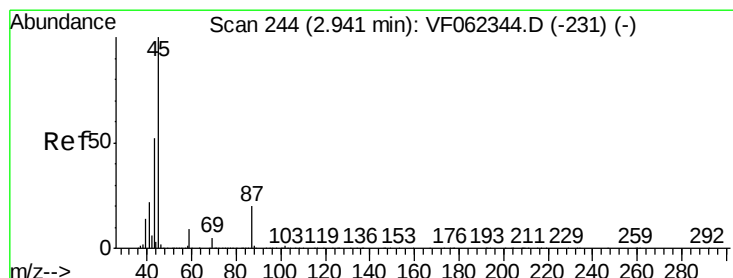
Ion Ratio Lower Upper

45 100

43 54.1 41.4 62.0

87 20.8 15.8 23.6

59 10.0 7.2 10.8





#23

Vinyl Acetate

Concen: 231.703 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

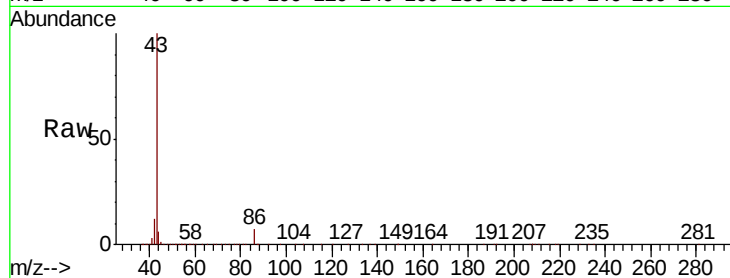
VSTDCCC050

Tot Ion: 43 Resp: 752086

Ion Ratio Lower Upper

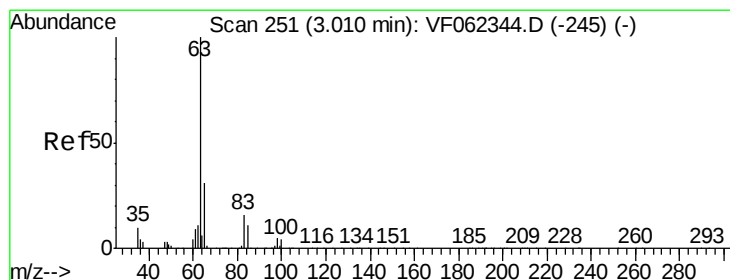
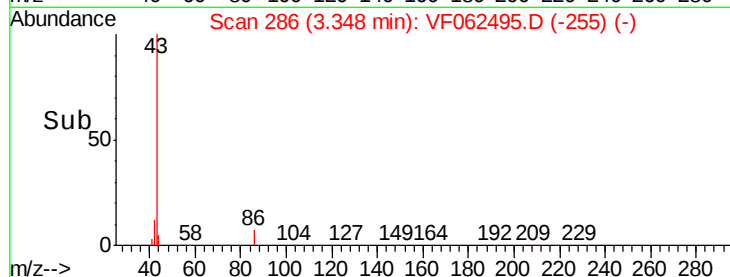
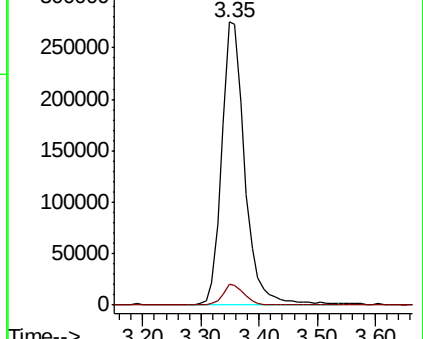
43 100

86 7.4 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.408 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

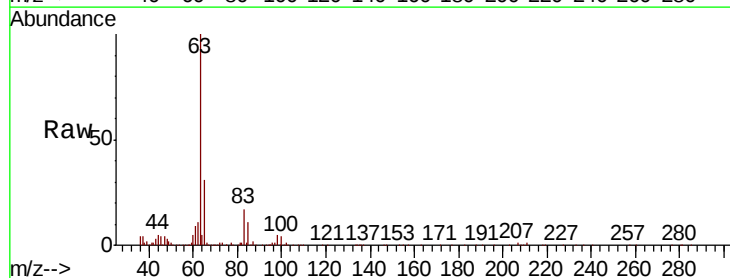
Tgt Ion: 63 Resp: 226277

Ion Ratio Lower Upper

63 100

98 5.0 2.6 8.0

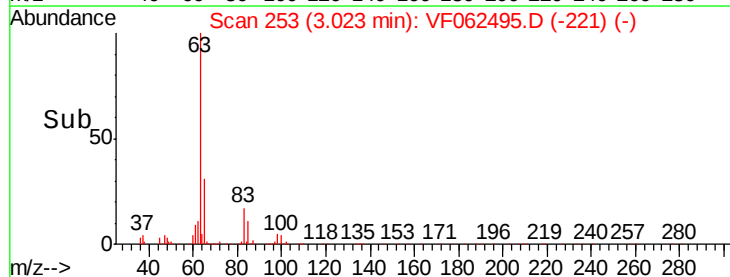
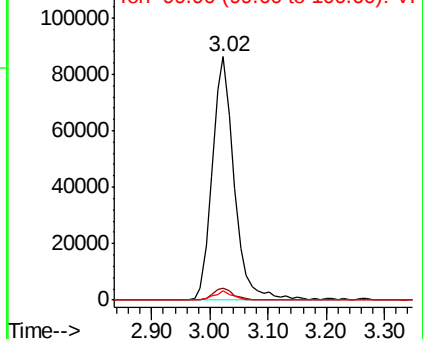
100 3.6 1.8 5.4

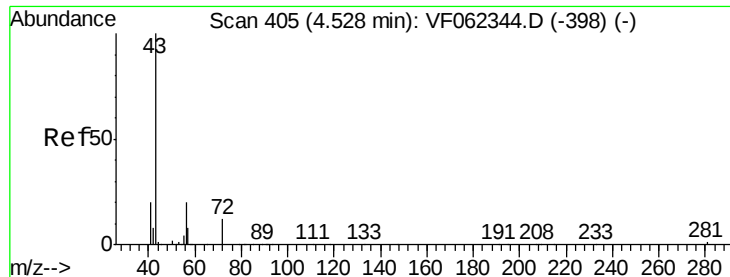


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 245.389 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

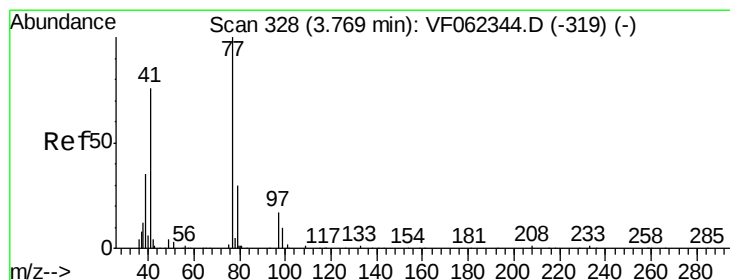
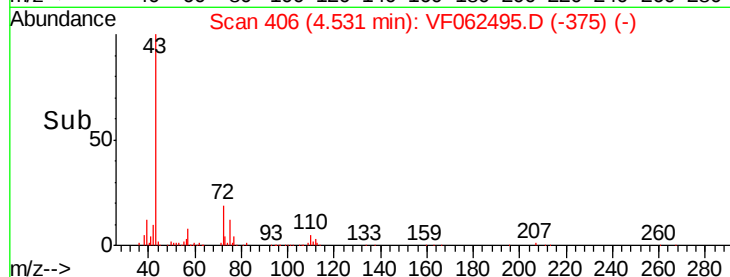
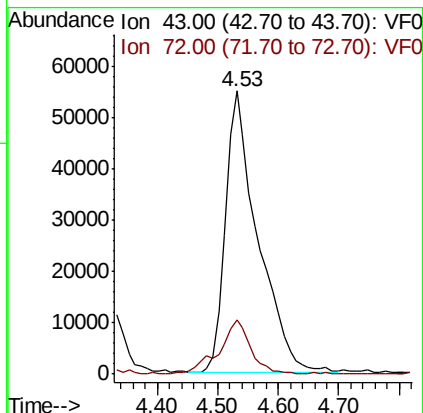
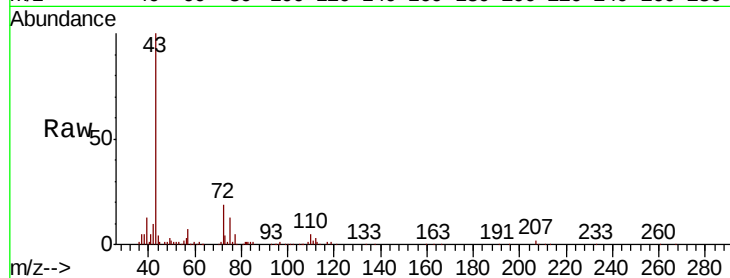
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 202781

Ion Ratio Lower Upper

43 100

72 19.2 14.2 21.4



#26

2,2-Dichloropropane

Concen: 60.272 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062495.D

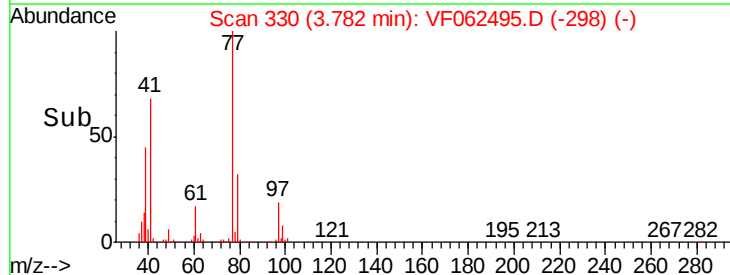
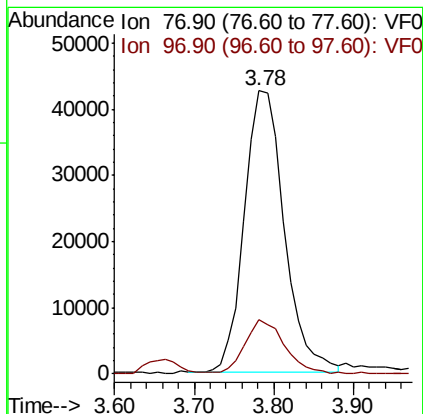
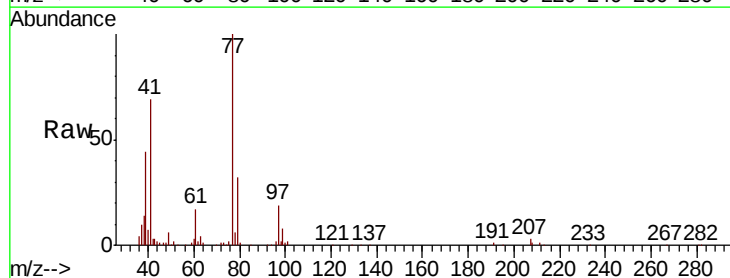
Acq: 12 May 2019 10:45

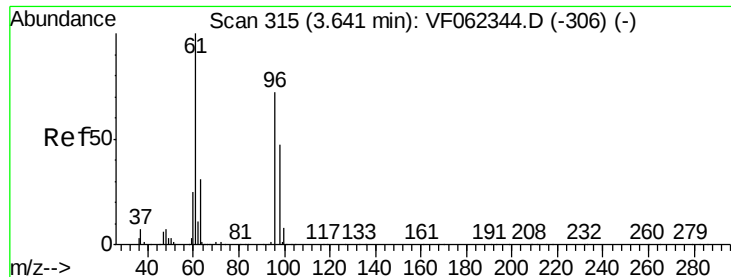
Tgt Ion: 77 Resp: 148152

Ion Ratio Lower Upper

77 100

97 19.2 9.5 28.5



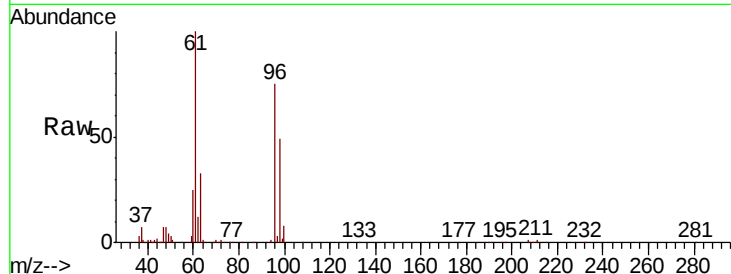


#27

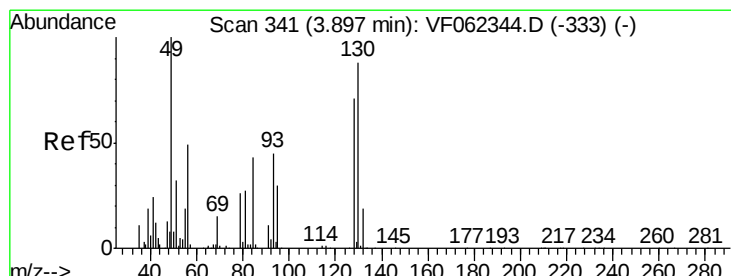
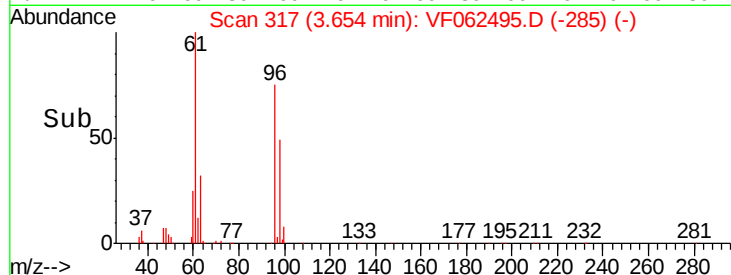
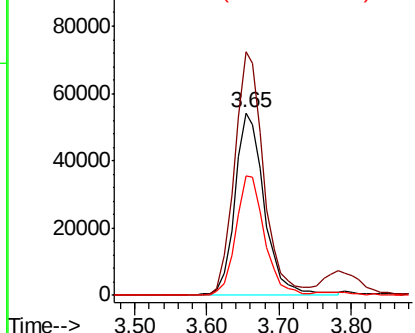
cis-1,2-Dichloroethene
 Concen: 49.176 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	263.0
98	63.5	0.0	130.8



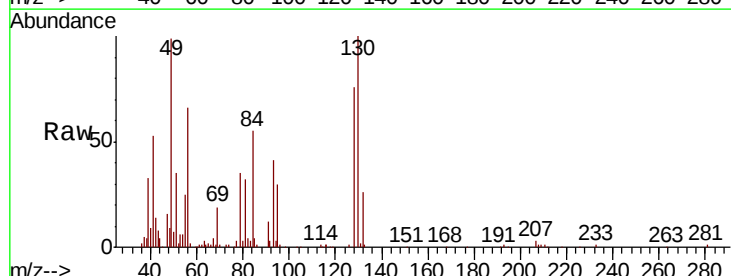
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



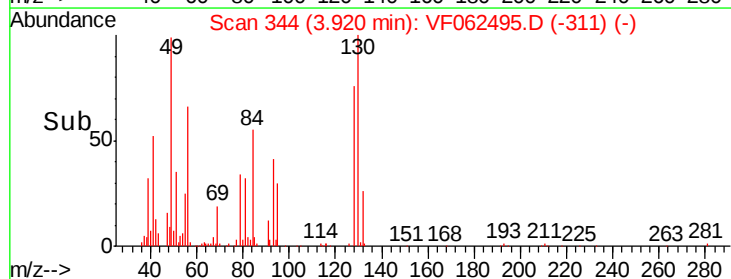
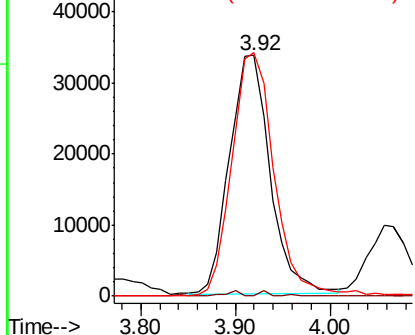
#28

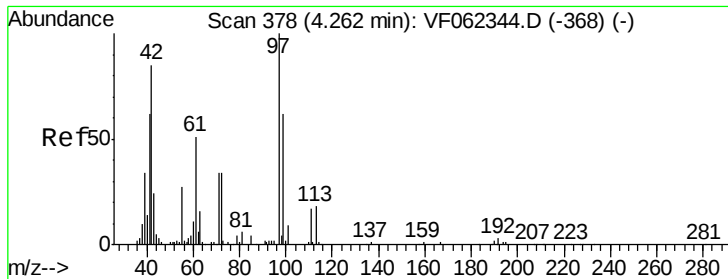
Bromochloromethane
 Concen: 50.199 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. 0.02 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.2
130	106.9	79.4	119.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 188.023 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

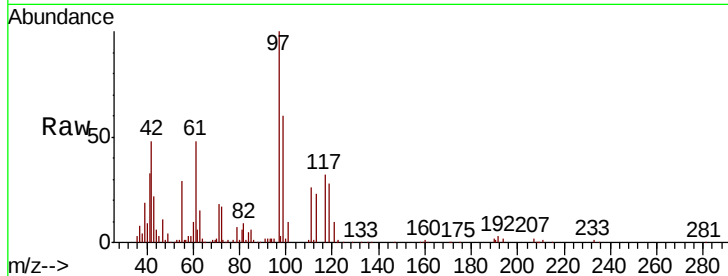
Tot Ion: 42 Resp: 71410

Ion Ratio Lower Upper

42 100

72 37.9 31.4 47.0

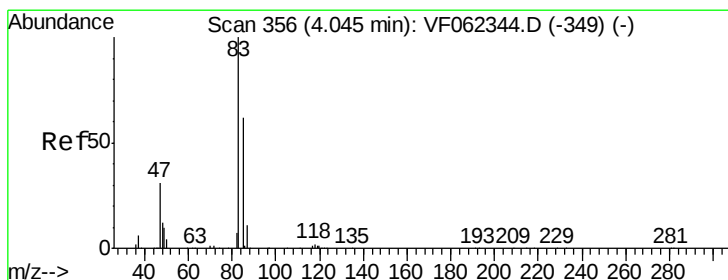
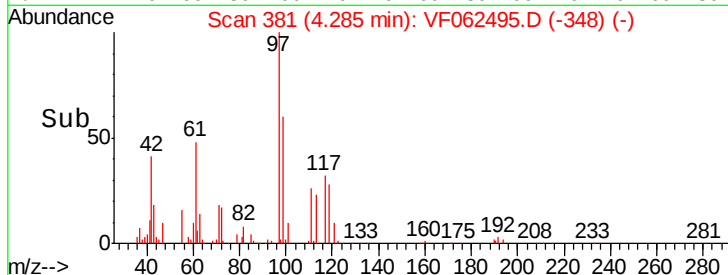
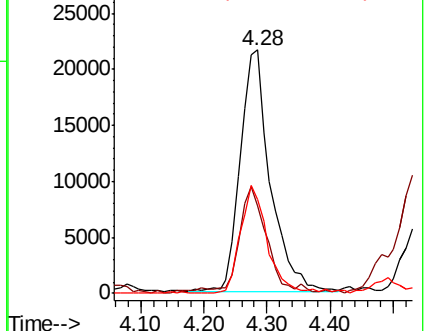
71 39.3 31.7 47.5



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: 49.213 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.02 min

Lab File: VF062495.D

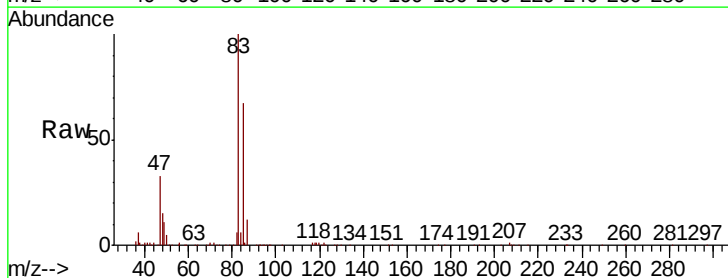
Acq: 12 May 2019 10:45

Tgt Ion: 83 Resp: 292647

Ion Ratio Lower Upper

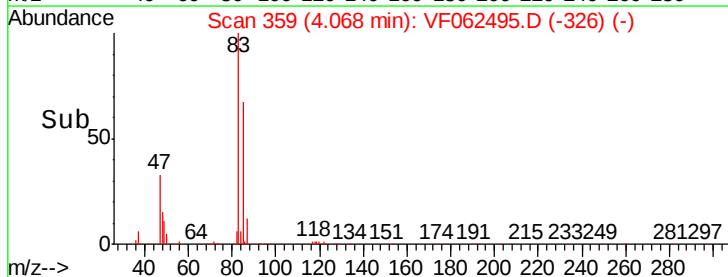
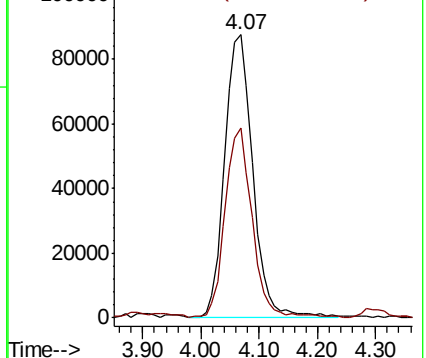
83 100

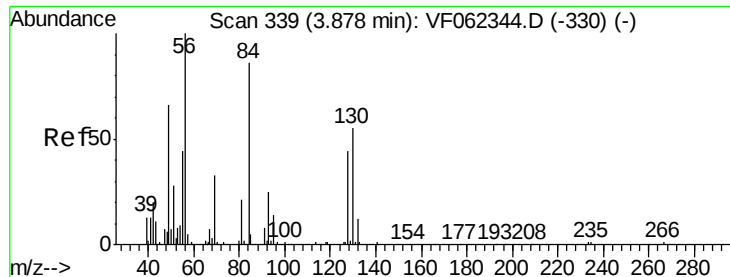
85 67.0 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cvclohexane

Concen: 44.246 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

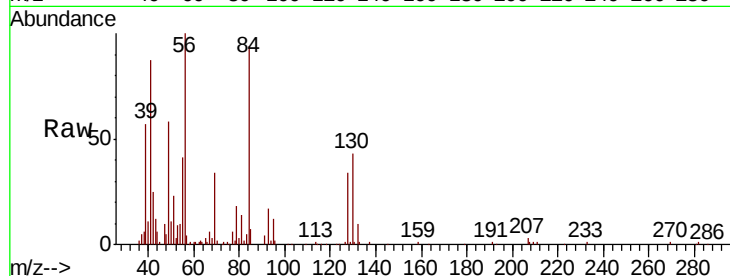
Tot Ion: 56 Resp: 155449

Ion Ratio Lower Upper

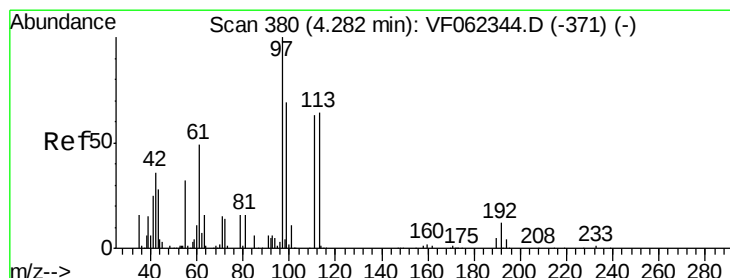
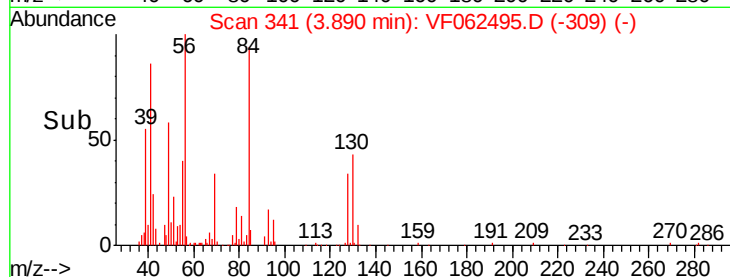
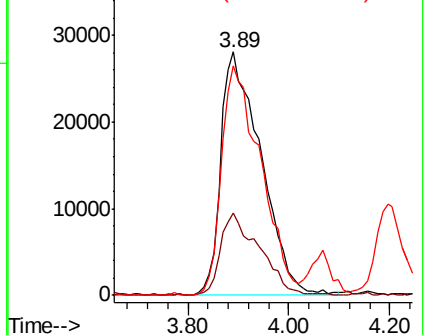
56 100

69 33.2 26.4 39.6

84 94.2 69.0 103.6



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



#32

1,1,1-Trichloroethane

Concen: 51.315 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

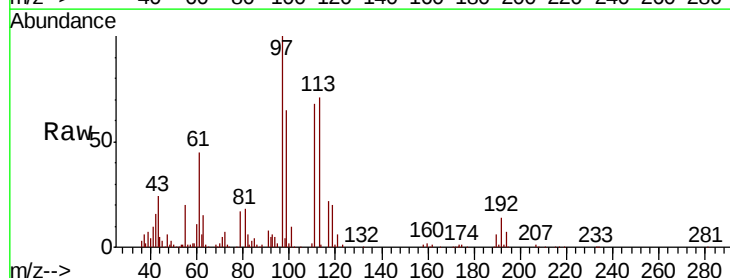
Tgt Ion: 97 Resp: 261529

Ion Ratio Lower Upper

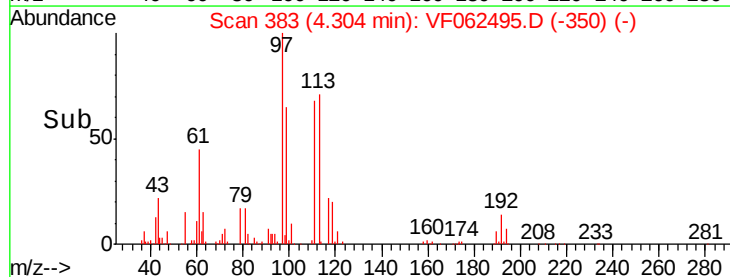
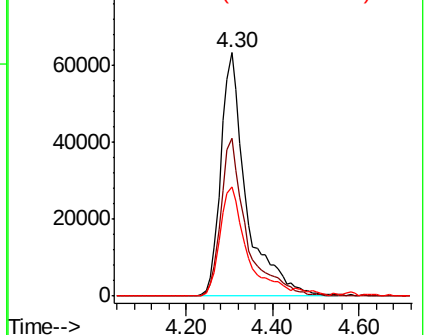
97 100

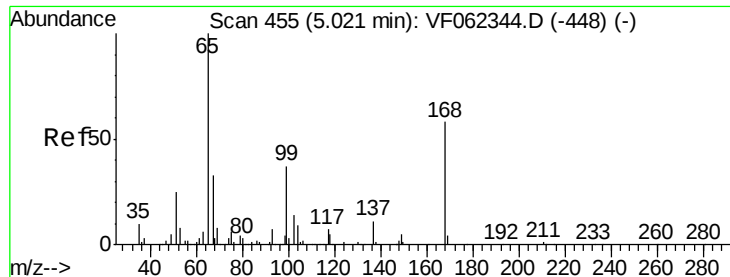
99 64.4 52.6 78.8

61 47.3 39.4 59.0



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





#33

1,2-Dichloroethane-d4

Concen: 51.509 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

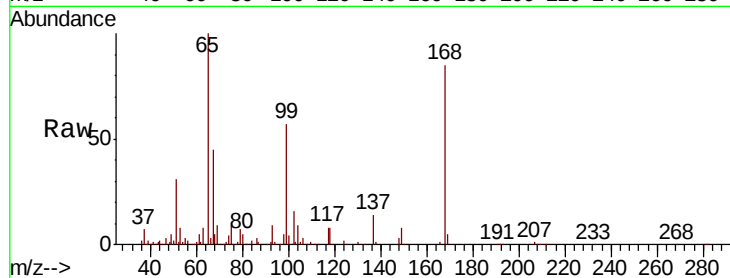
VSTDCCC050

Tot Ion: 65 Resp: 167484

Ion Ratio Lower Upper

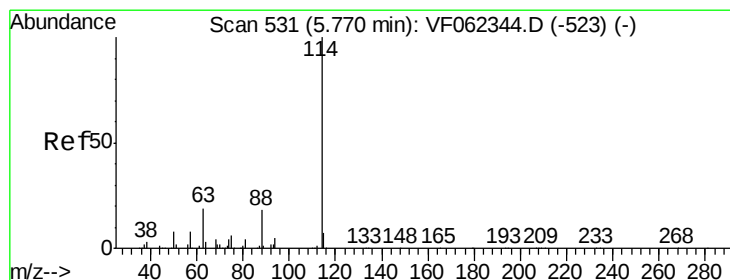
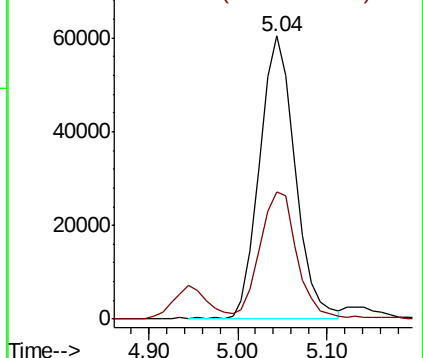
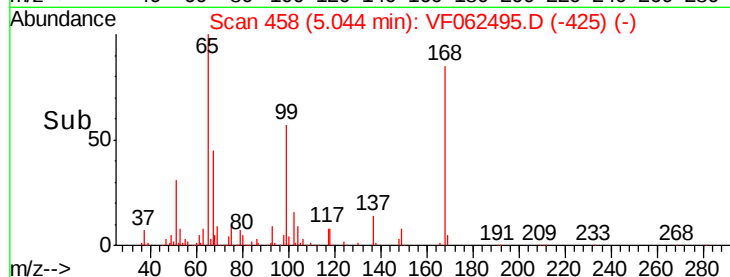
65 100

67 46.9 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: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

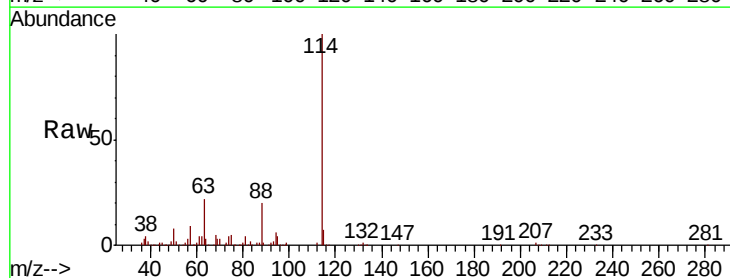
Tgt Ion: 114 Resp: 398348

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

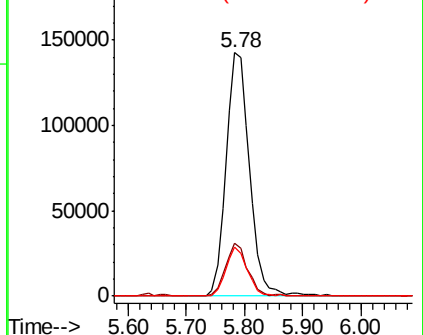
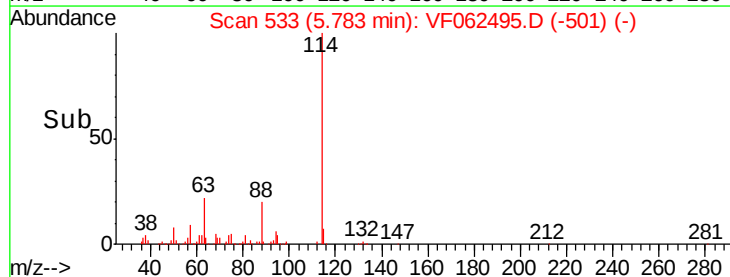
88 20.1 0.0 36.4

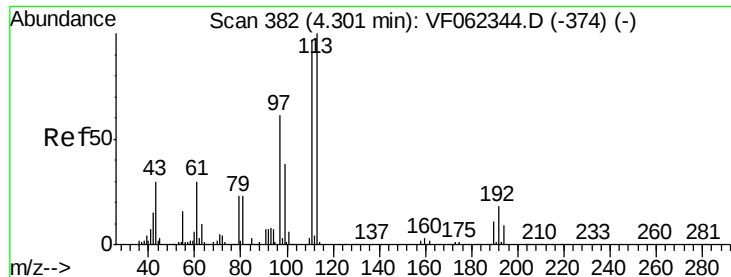


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

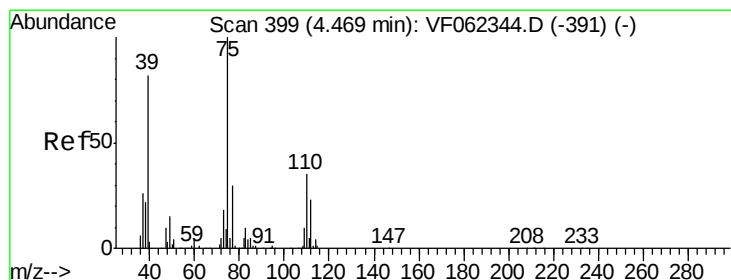
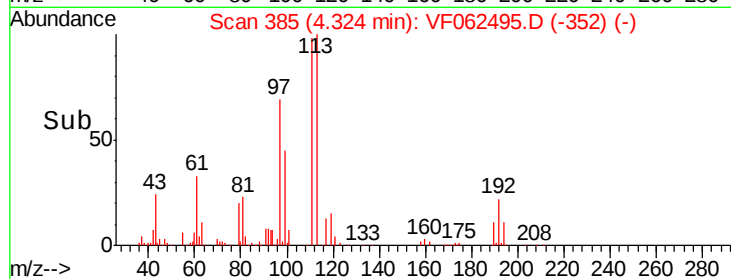
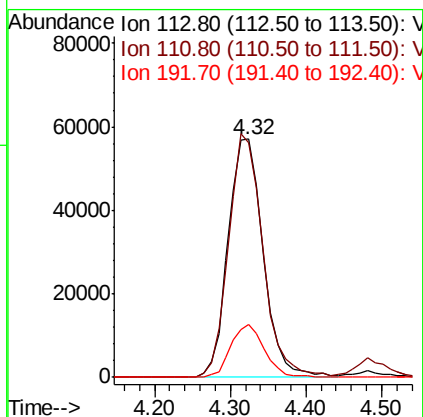
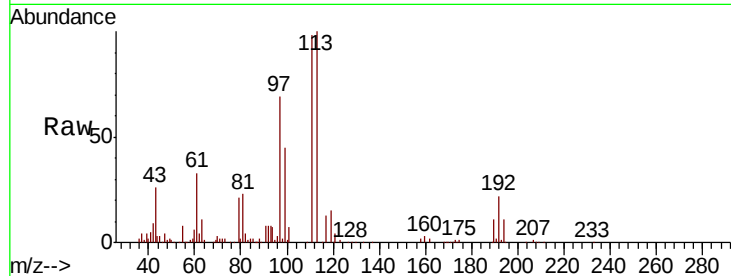




#35
 Dibromofluoromethane
 Concen: 57.835 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

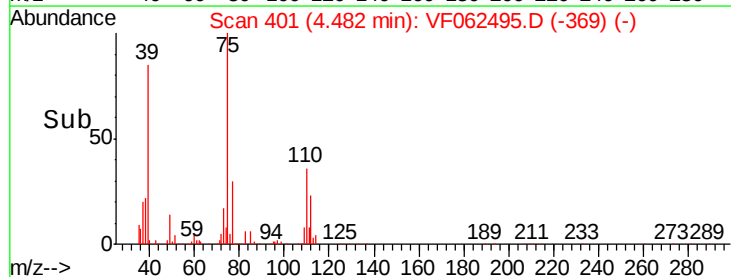
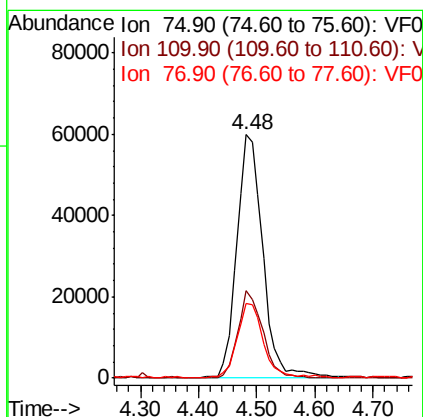
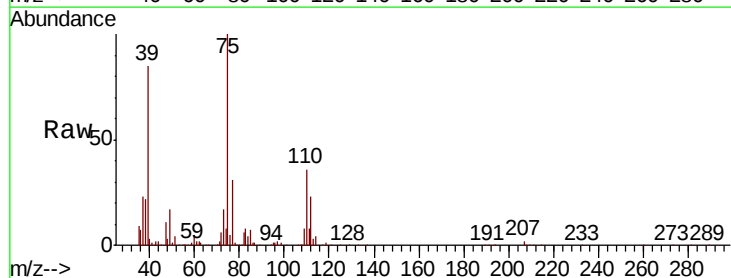
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

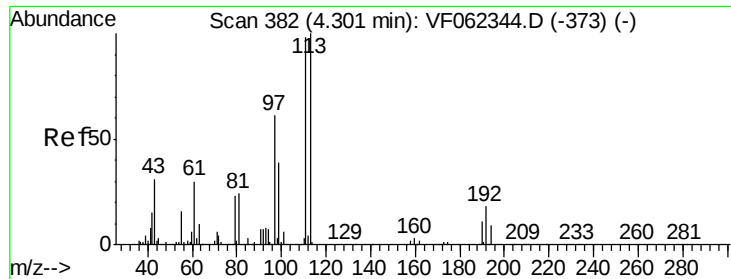
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	79.4	119.0
192	21.4	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 54.543 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.5
77	30.7	25.2	37.8





#37

Ethyl Acetate

Concen: 52.320 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

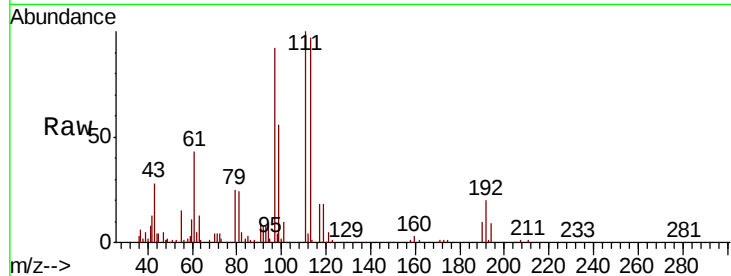
Tot Ion: 43 Resp: 69392

Ion Ratio Lower Upper

43 100

61 178.3 0.0 0.0#

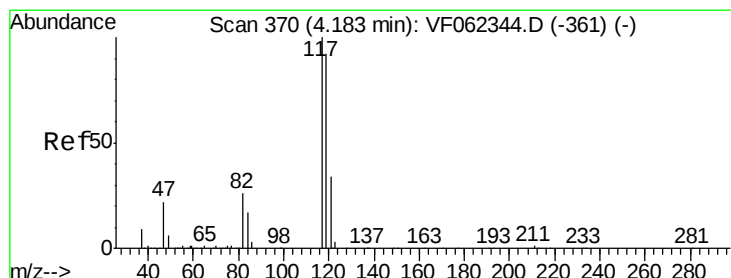
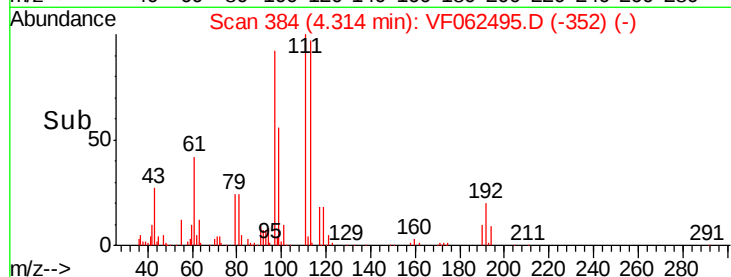
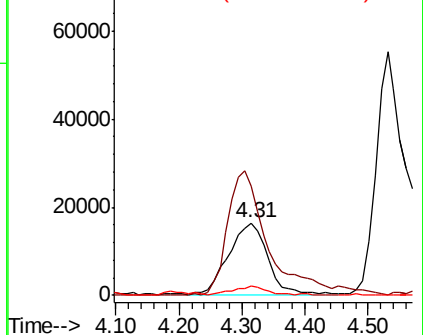
70 11.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 84.474 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

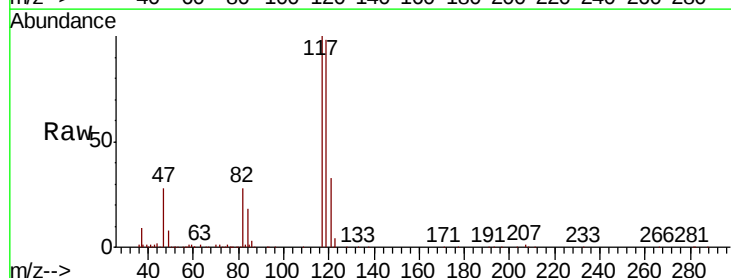
Tgt Ion: 117 Resp: 293026

Ion Ratio Lower Upper

117 100

119 97.2 73.4 110.2

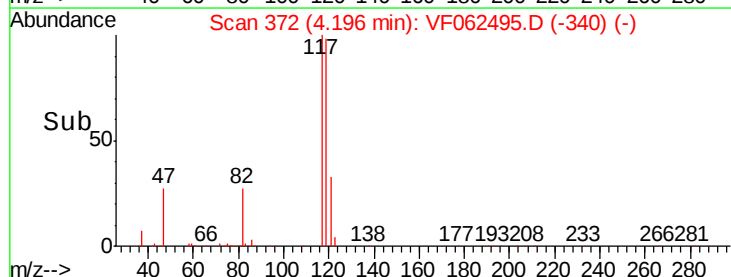
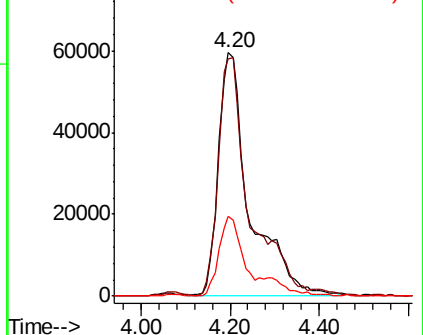
121 32.6 27.4 41.0

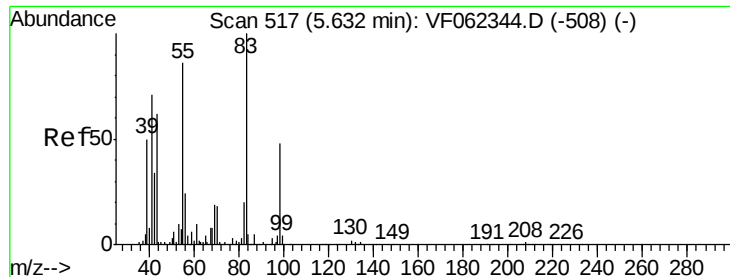


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

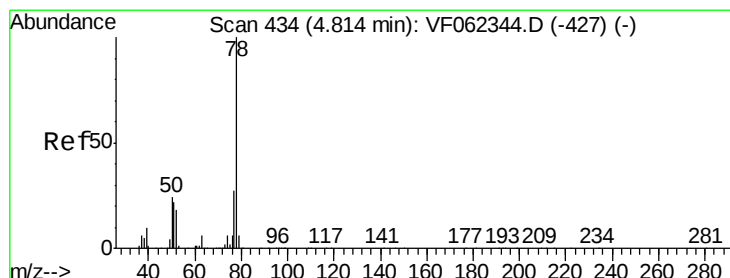
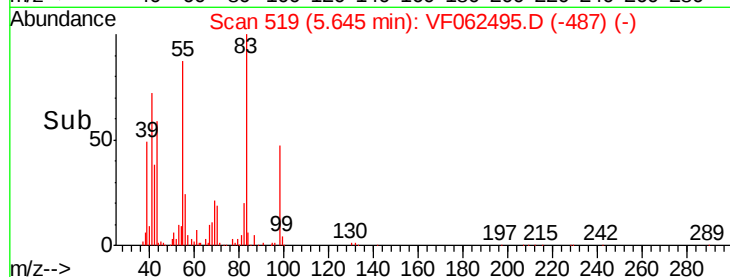
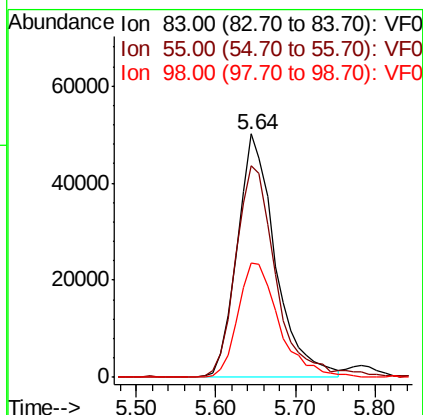
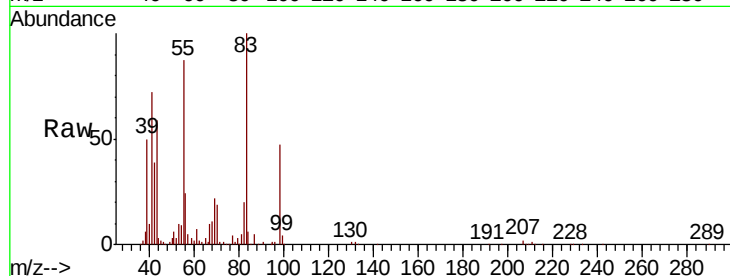




#39
Methvlcvclohexane
Concen: 48.519 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

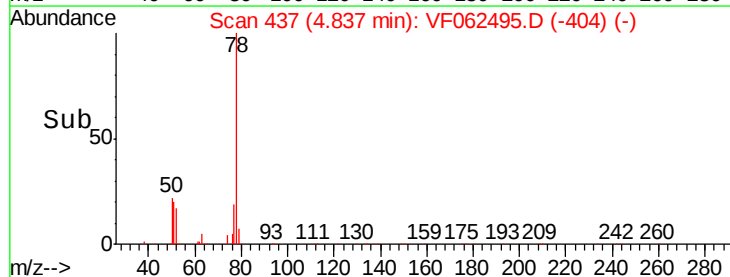
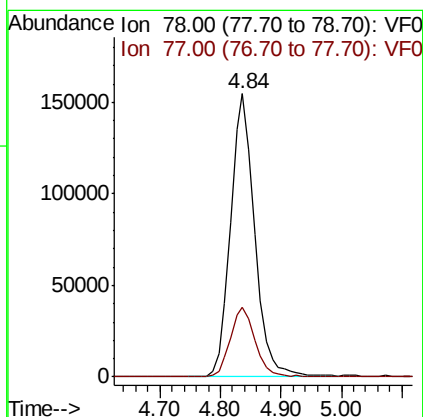
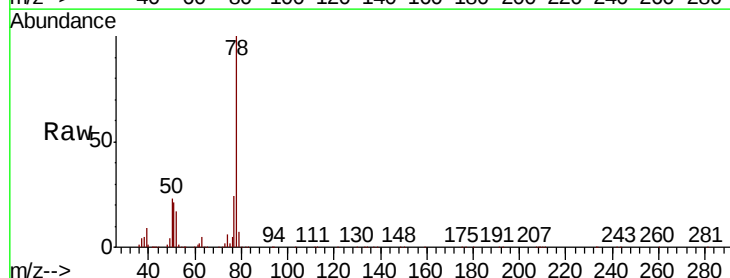
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

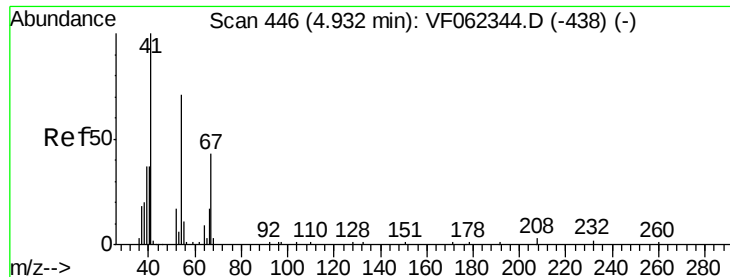
Tot Ion: 83 Resp: 166512
Ion Ratio Lower Upper
83 100
55 86.9 69.0 103.6
98 46.7 38.6 58.0



#40
Benzene
Concen: 56.848 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 78 Resp: 428373
Ion Ratio Lower Upper
78 100
77 24.3 21.6 32.4

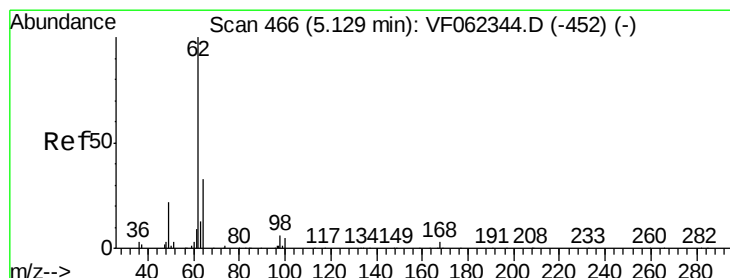
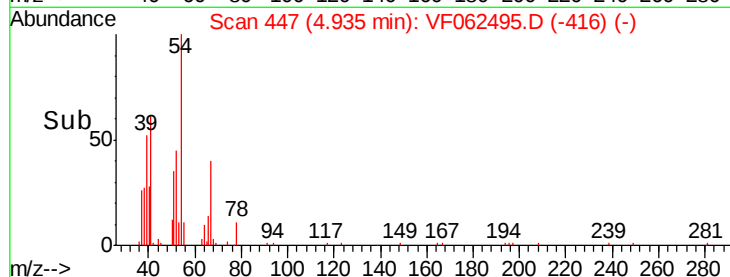
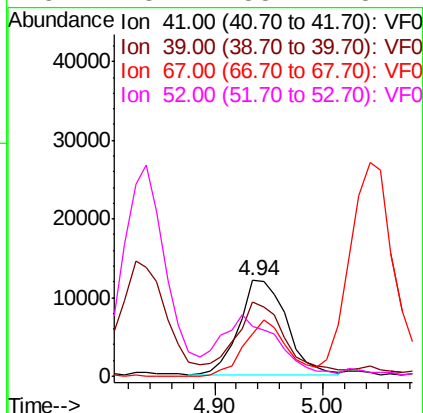
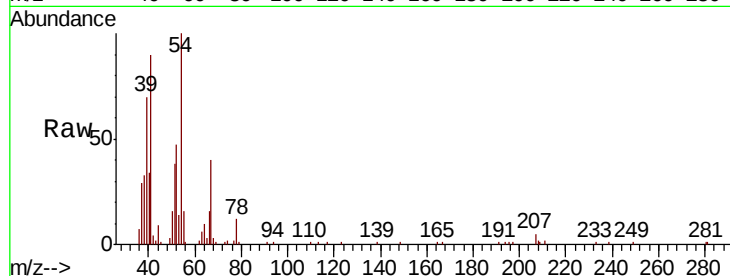




#41
Methacrylonitrile
Concen: 44.199 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

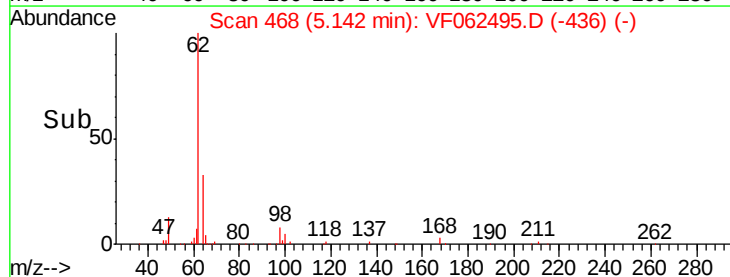
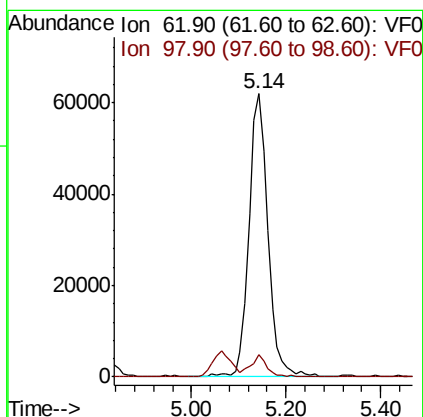
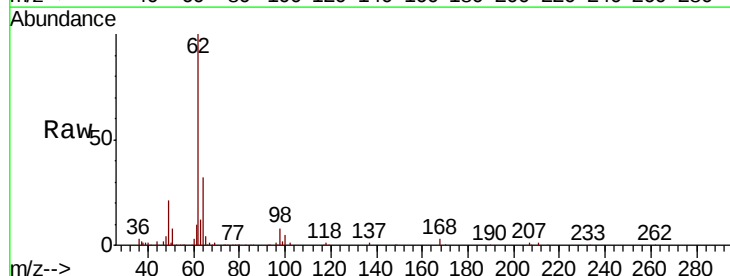
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

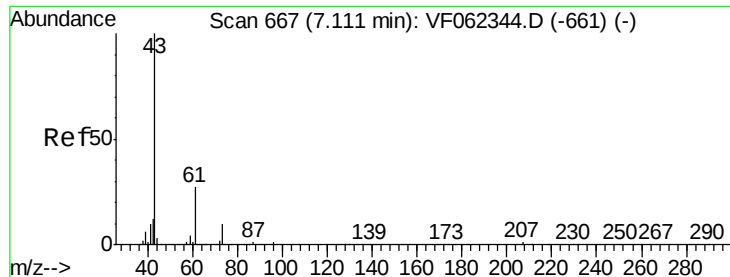
Tot Ion:	41	Resp:	36266
Ion	Ratio	Lower	Upper
41	100		
39	81.9	54.3	81.5#
67	54.5	37.8	56.8
52	78.1	58.2	87.4



#42
1,2-Dichloroethane
Concen: 55.151 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion:	62	Resp:	173812
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	12.4

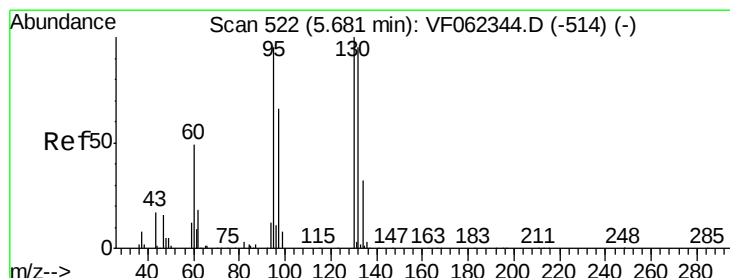
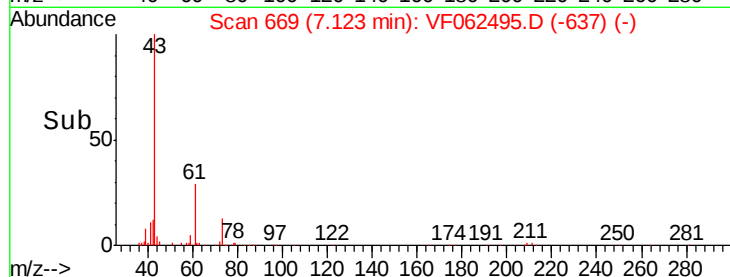
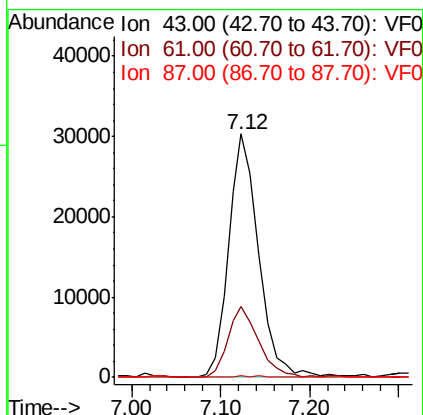
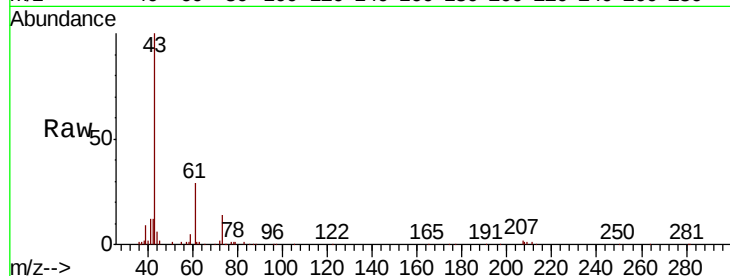




#43
Isopropyl Acetate
Concen: 45.896 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

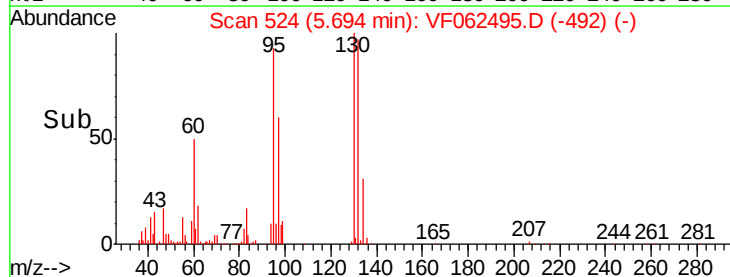
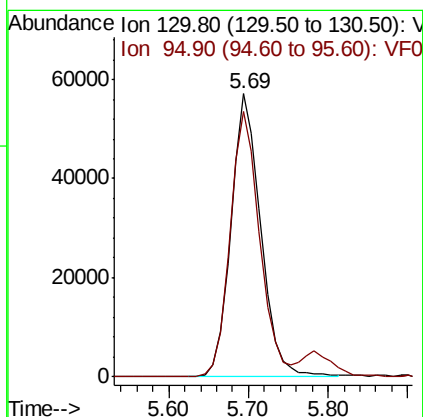
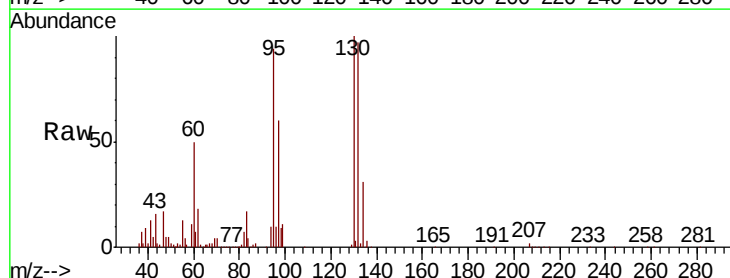
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 71436
Ion Ratio Lower Upper
43 100
61 29.5 22.8 34.2
87 0.3 0.6 1.0#



#44
Trichloroethene
Concen: 53.572 ug/l
RT: 5.69 min Scan# 524
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 130 Resp: 148291
Ion Ratio Lower Upper
130 100
95 93.2 0.0 189.0





#45

1,2-Dichloropropane

Concen: 56.586 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

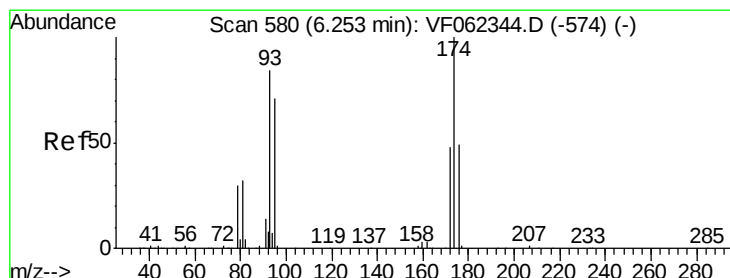
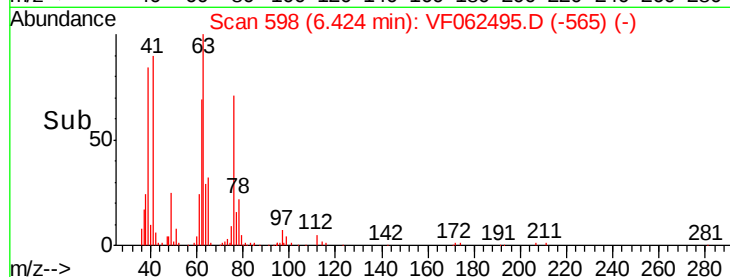
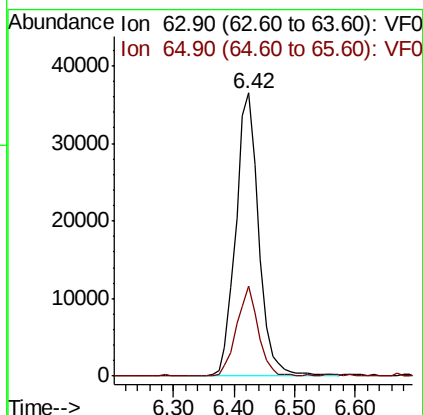
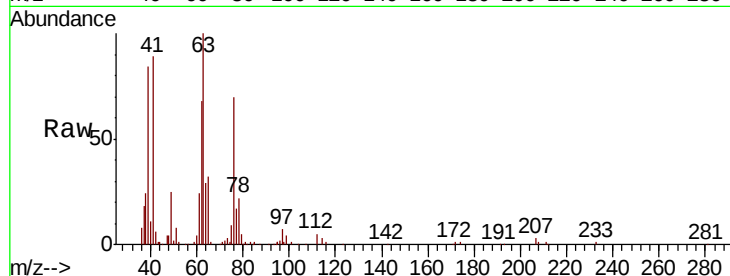
VSTDCCC050

Tot Ion: 63 Resp: 96580

Ion Ratio Lower Upper

63 100

65 31.7 25.6 38.4



#46

Dibromomethane

Concen: 54.496 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

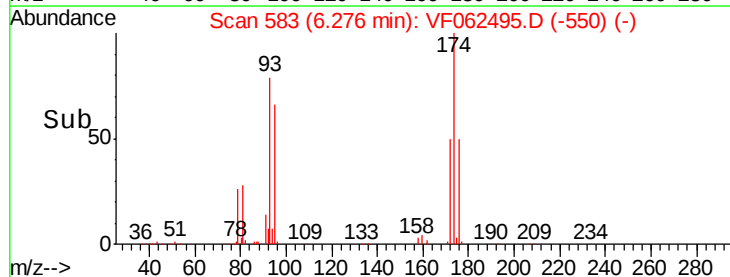
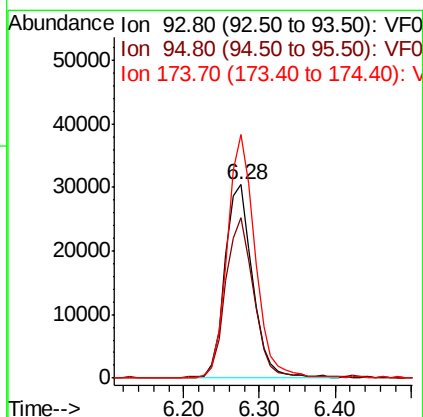
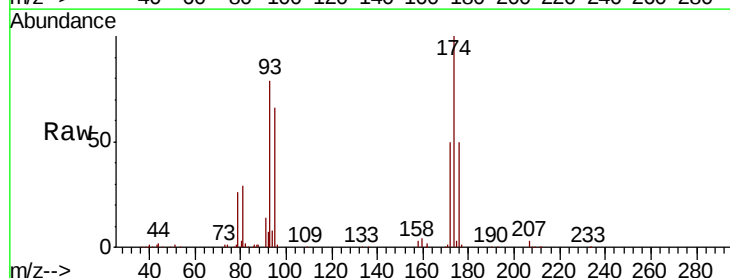
Tgt Ion: 93 Resp: 77119

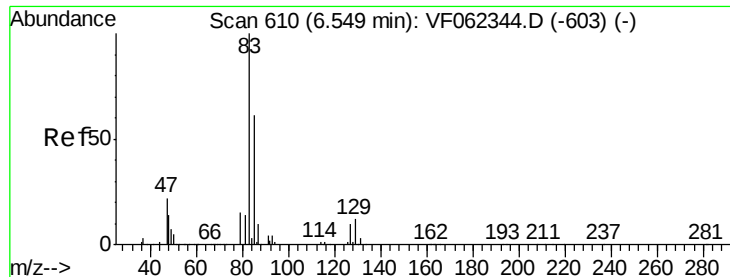
Ion Ratio Lower Upper

93 100

95 84.9 68.4 102.6

174 126.5 99.6 149.4





#47

Bromodichloromethane

Concen: 58.936 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

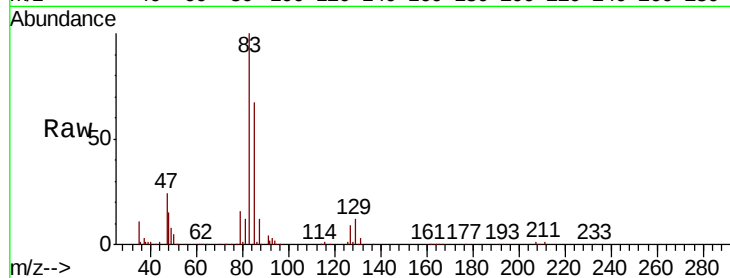
Tot Ion: 83 Resp: 208518

Ion Ratio Lower Upper

83 100

85 66.7 49.1 73.7

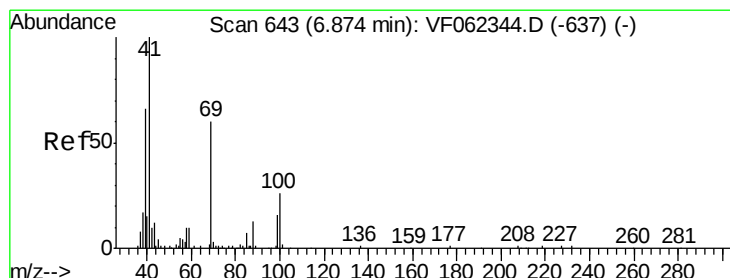
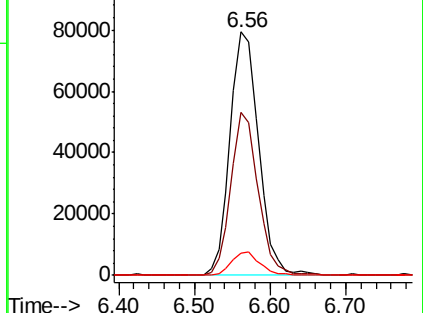
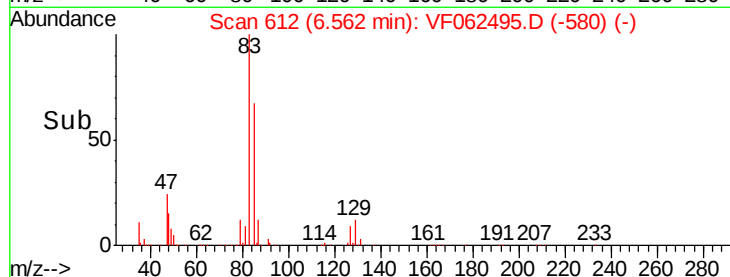
127 9.3 7.8 11.8



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: 47.804 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

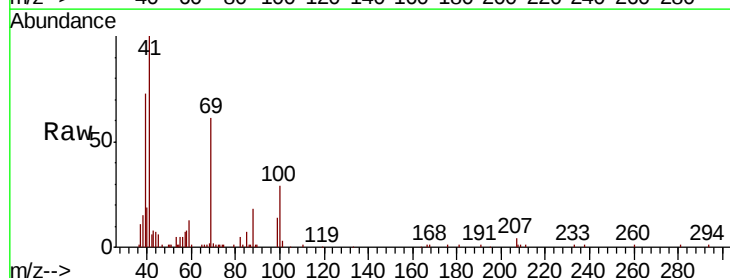
Tgt Ion: 41 Resp: 52582

Ion Ratio Lower Upper

41 100

69 63.5 48.6 72.8

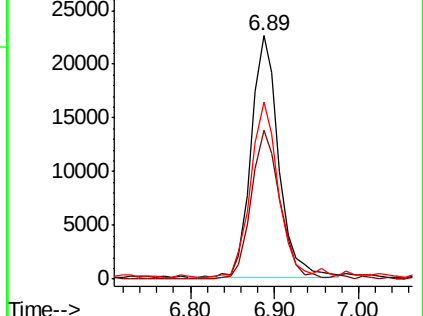
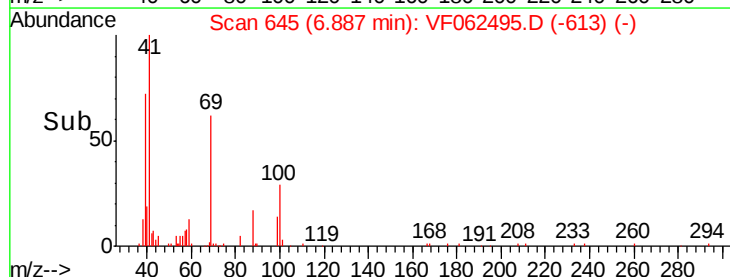
39 71.7 56.1 84.1

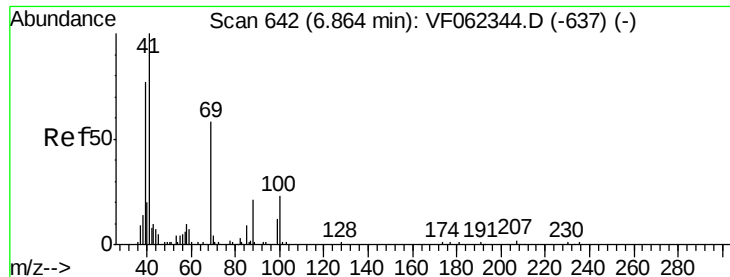


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

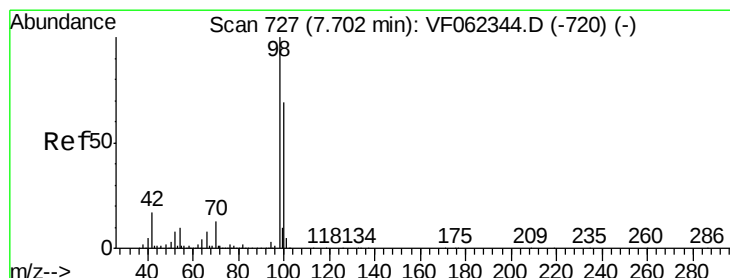
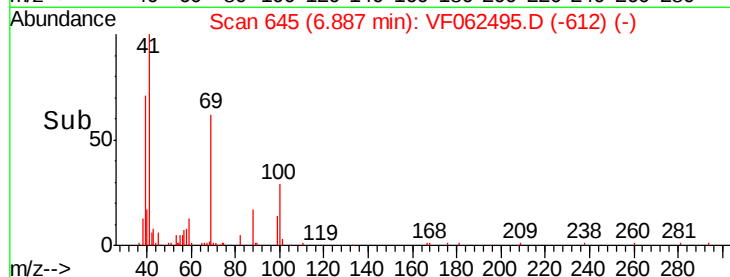
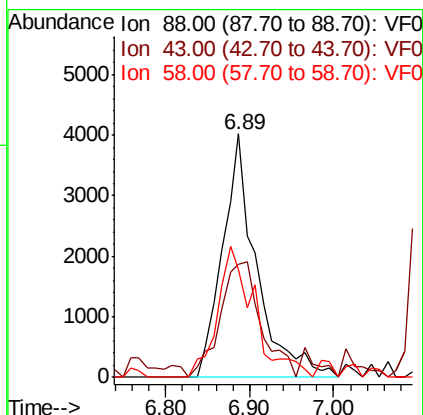
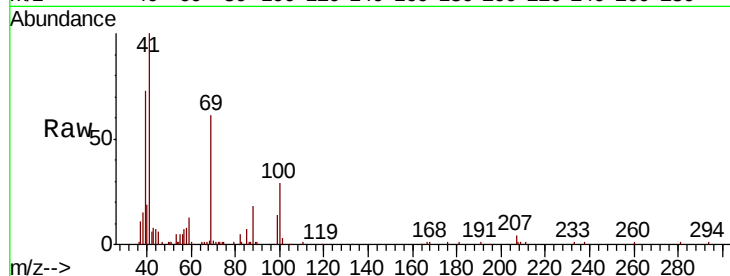




#49
1,4-Dioxane
Concen: 993.041 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

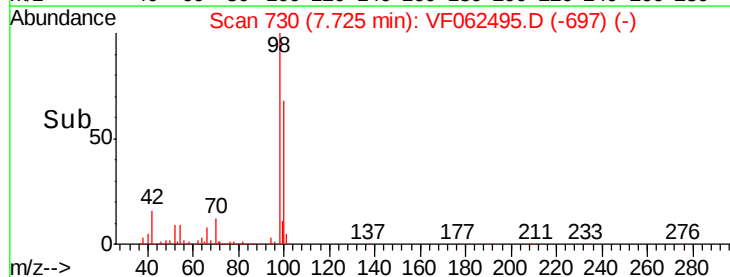
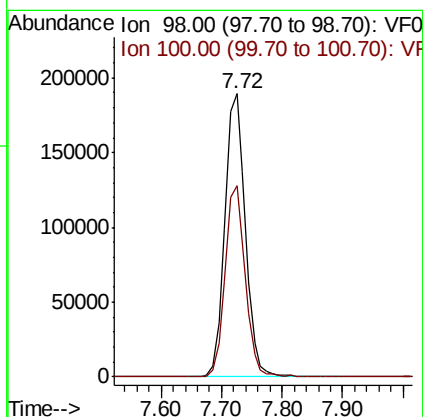
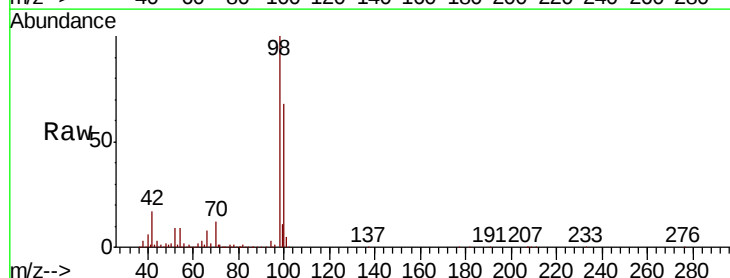
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

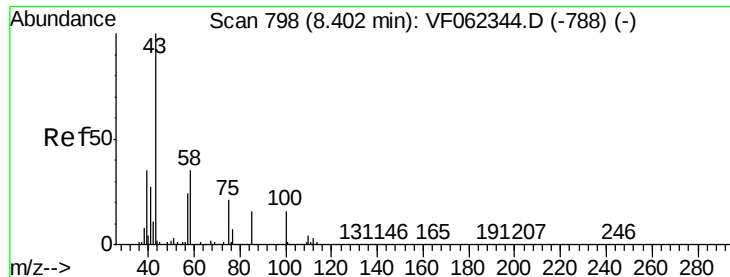
Tot Ion: 88 Resp: 11235
Ion Ratio Lower Upper
88 100
43 57.0 55.6 83.4
58 58.6 52.8 79.2



#50
Toluene-d8
Concen: 58.067 ug/l
RT: 7.72 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 98 Resp: 446079
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 260.795 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

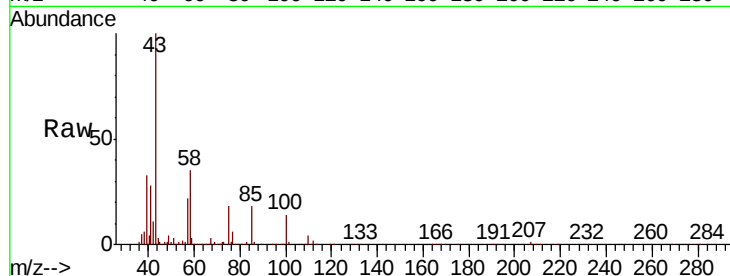
VSTDCCC050

Tot Ion: 43 Resp: 307584

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

150000

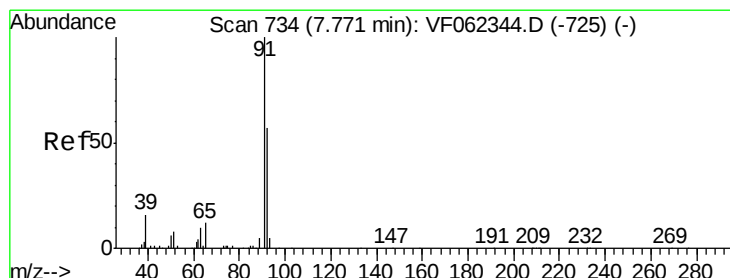
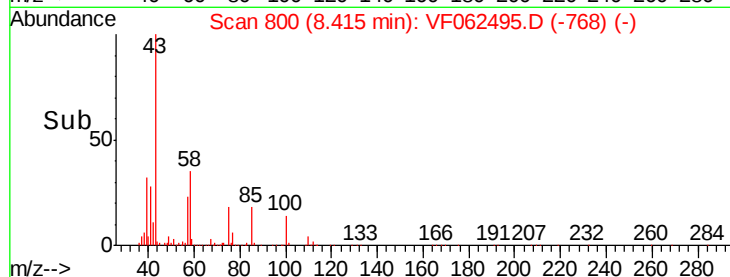
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 57.081 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062495.D

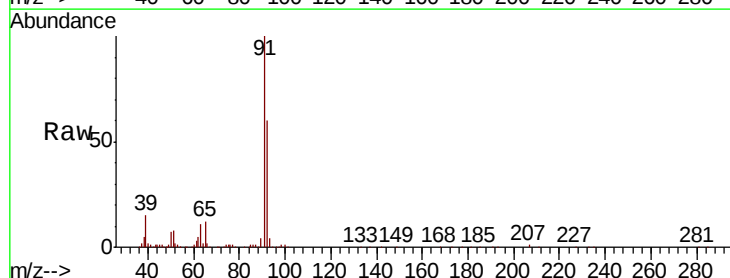
Acq: 12 May 2019 10:45

Tgt Ion: 92 Resp: 265348

Ion Ratio Lower Upper

92 100

91 170.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

200000

150000

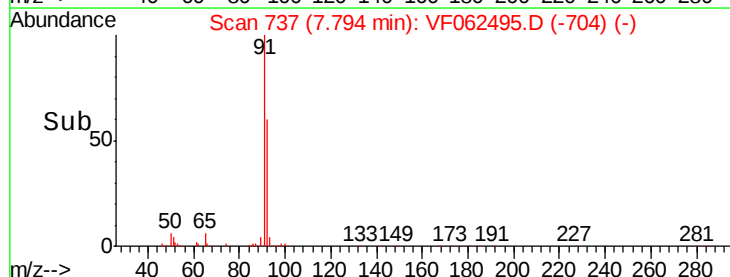
100000

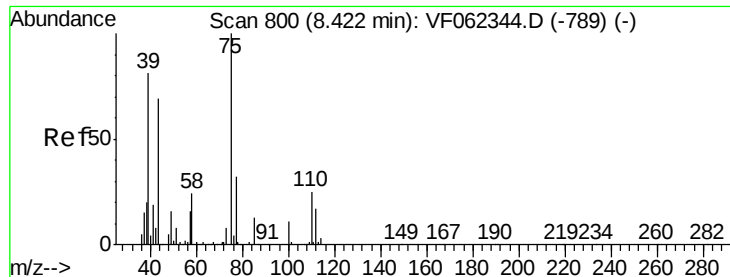
50000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.859 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

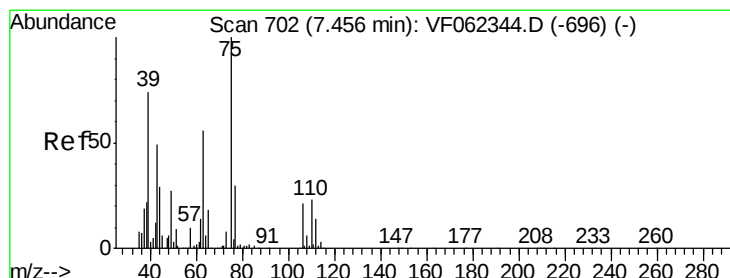
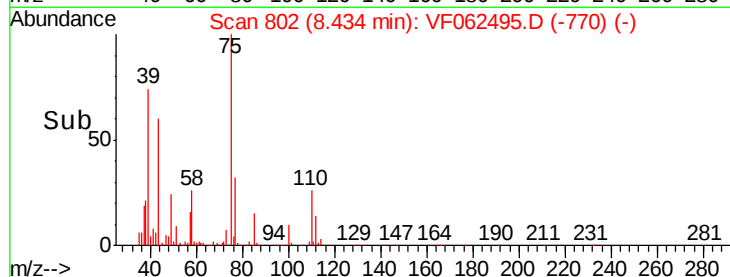
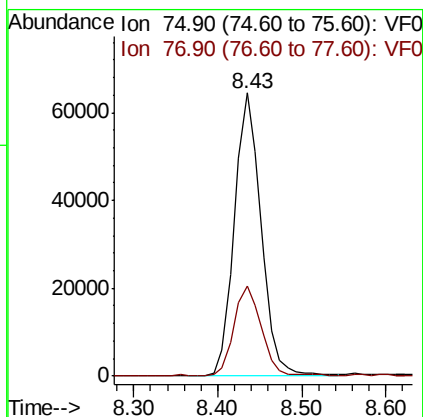
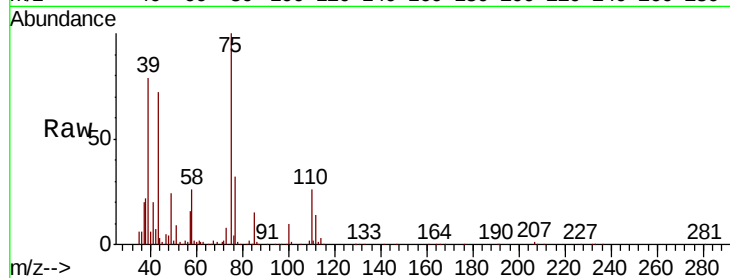
VSTDCCC050

Tot Ion: 75 Resp: 141449

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 56.498 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

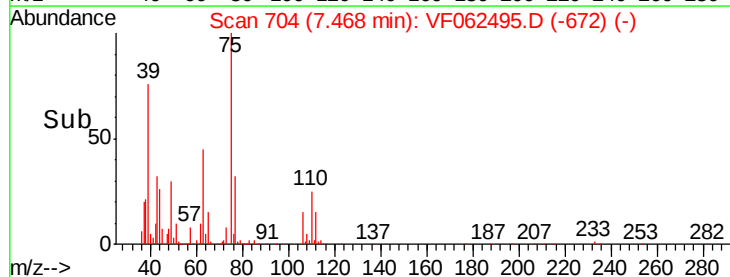
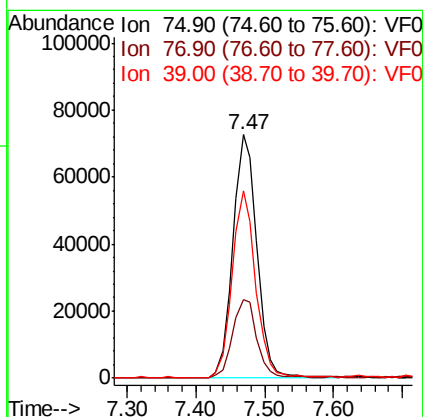
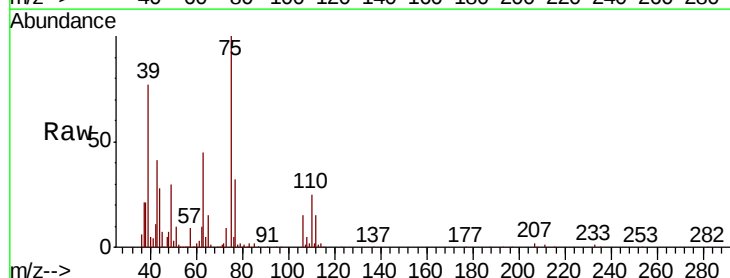
Tgt Ion: 75 Resp: 175952

Ion Ratio Lower Upper

75 100

77 32.2 24.0 36.0

39 76.8 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 53.761 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 79335

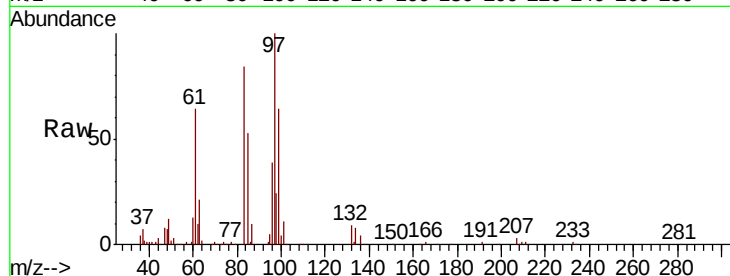
Ion Ratio Lower Upper

97 100

83 83.8 68.5 102.7

85 52.8 45.4 68.2

99 64.2 52.7 79.1

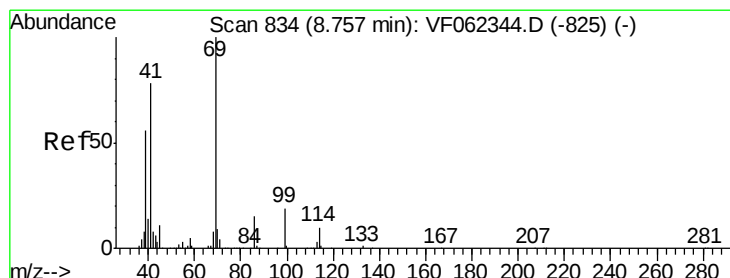
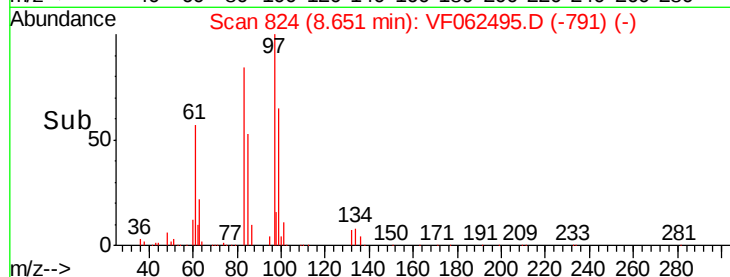
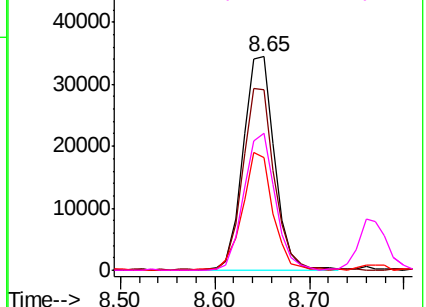


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 48.747 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

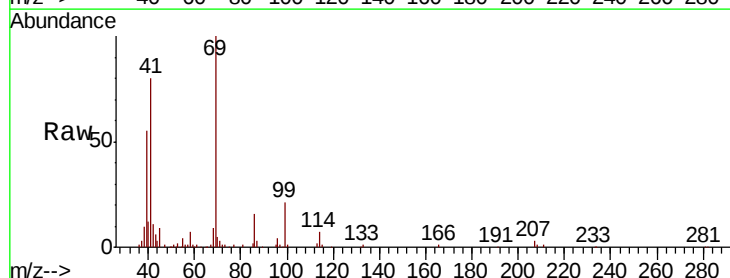
Tgt Ion: 69 Resp: 75936

Ion Ratio Lower Upper

69 100

41 84.6 66.3 99.5

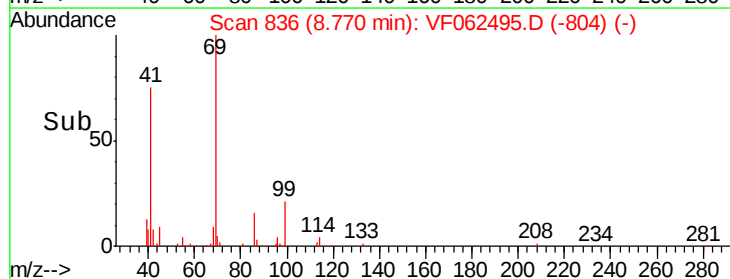
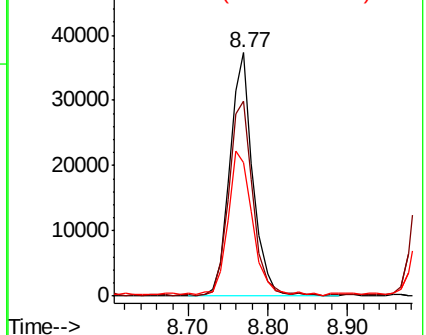
39 61.8 50.1 75.1

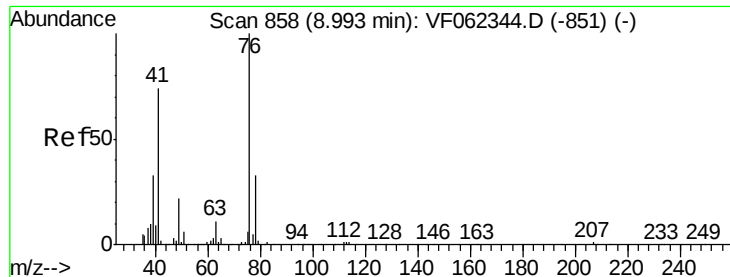


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.984 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

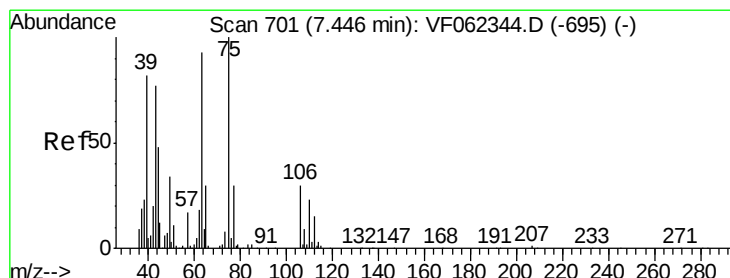
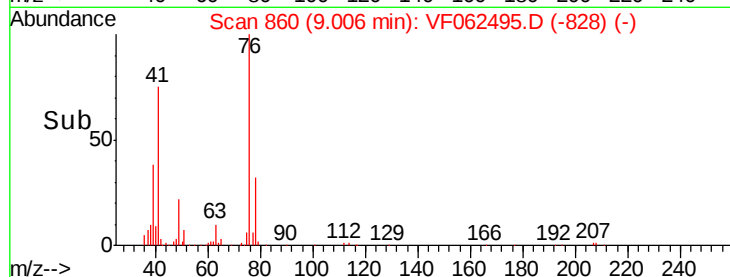
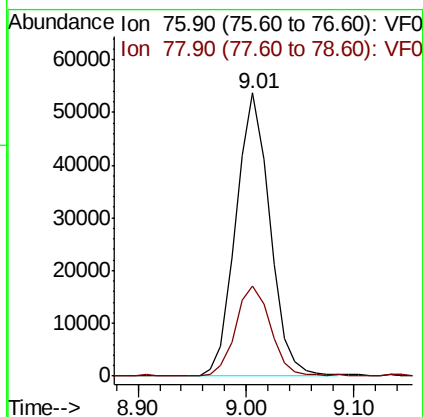
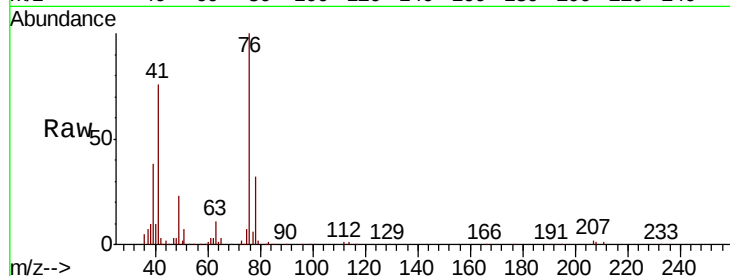
VSTDCCC050

Tot Ion: 76 Resp: 118105

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 189.827 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062495.D

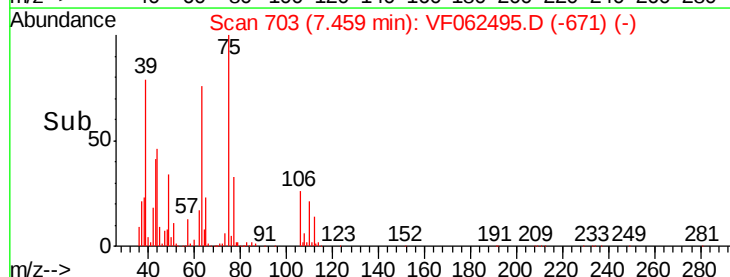
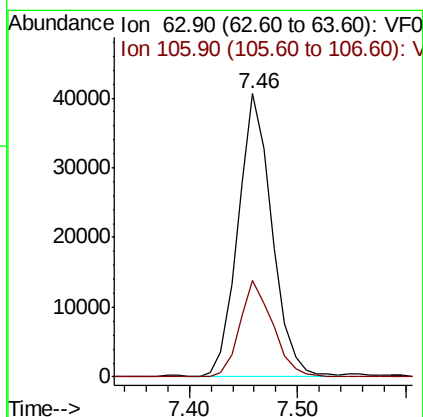
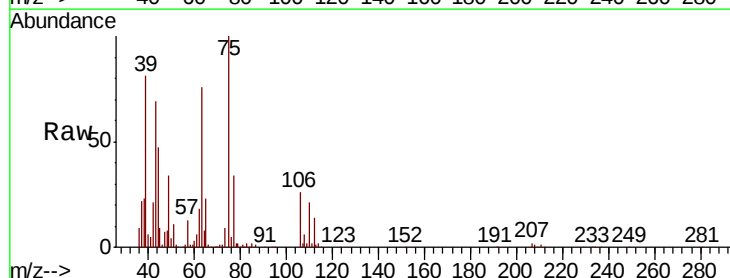
Acq: 12 May 2019 10:45

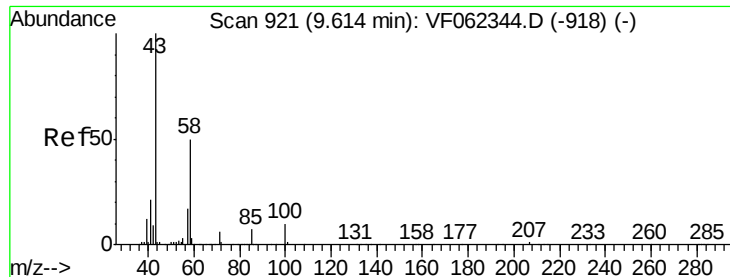
Tgt Ion: 63 Resp: 88902

Ion Ratio Lower Upper

63 100

106 32.8 25.8 38.8

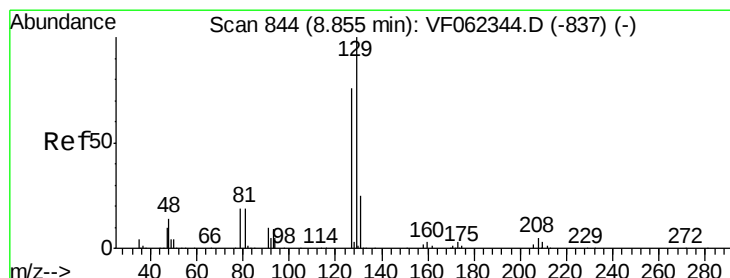
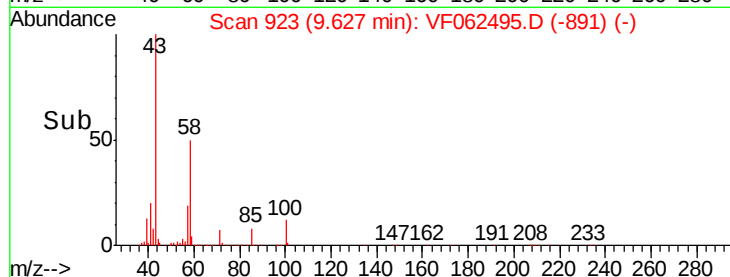
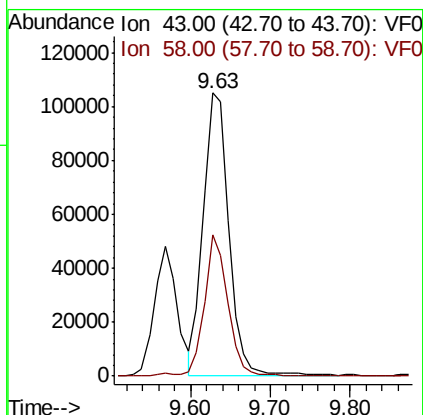
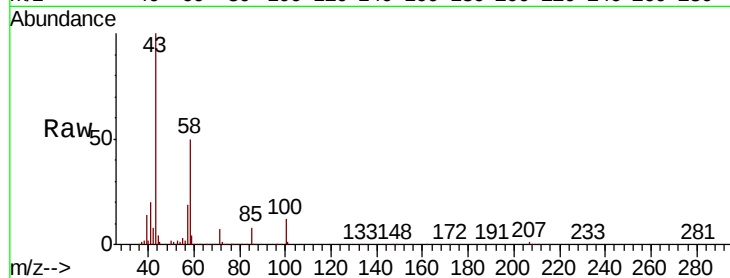




#59
2-Hexanone
Concen: 287.431 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

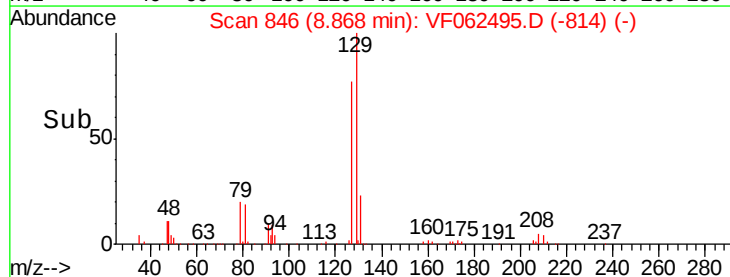
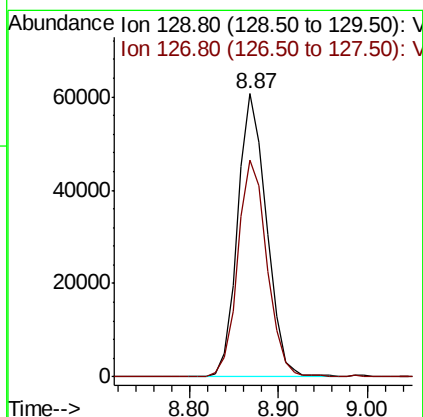
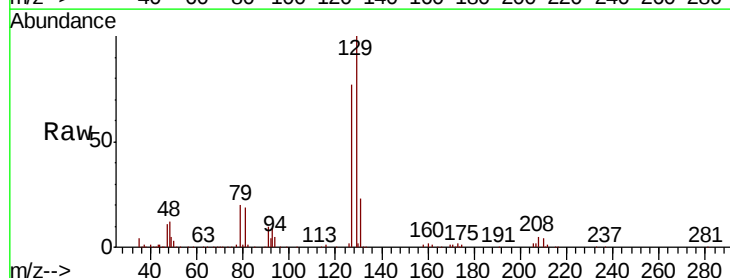
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

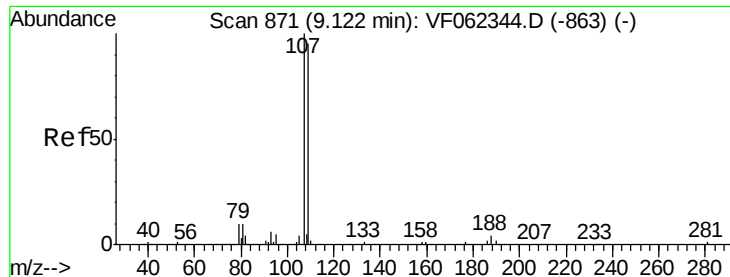
Tot Ion: 43 Resp: 234452
Ion Ratio Lower Upper
43 100
58 46.0 24.3 73.0



#60
Dibromochloromethane
Concen: 56.758 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion: 129 Resp: 136988
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3

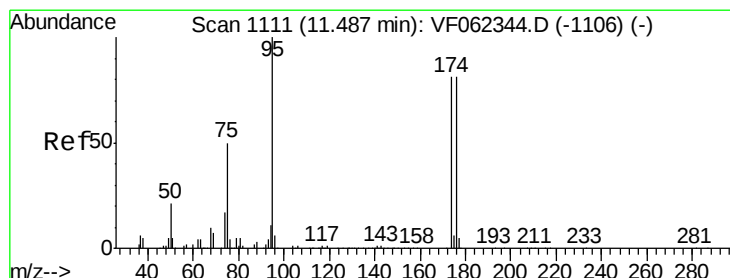
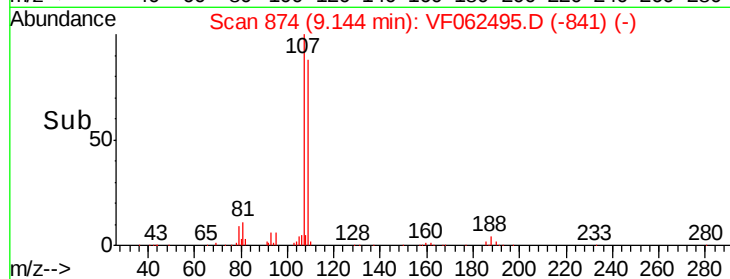
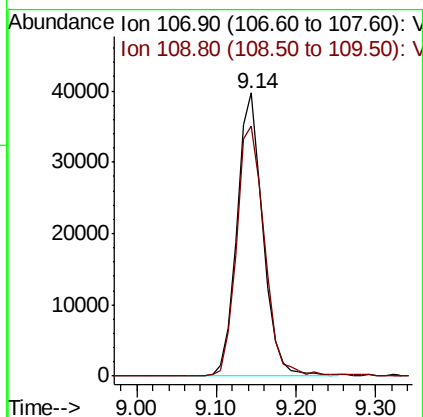
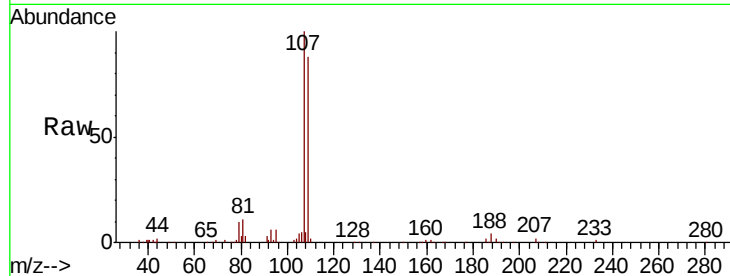




#61
 1,2-Dibromoethane
 Concen: 51.514 ug/l
 RT: 9.14 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

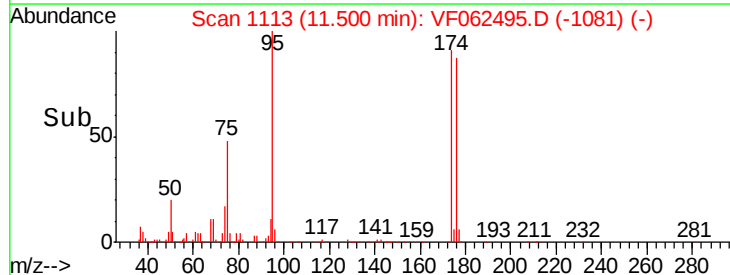
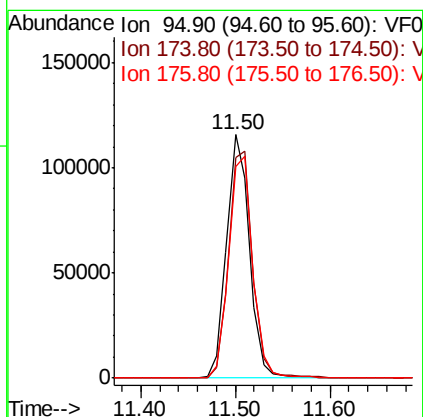
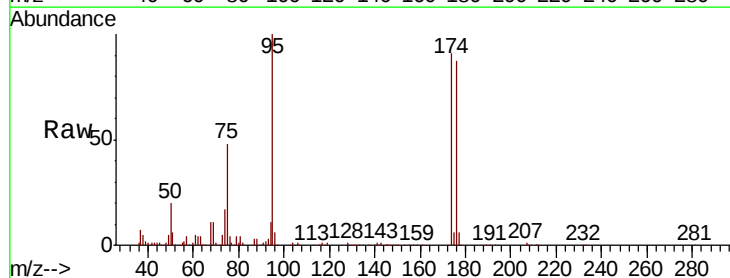
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

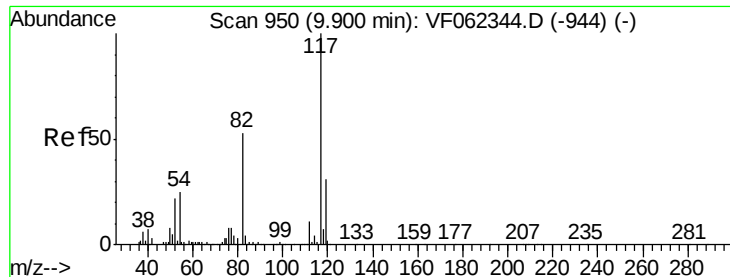
Tot Ion:107 Resp: 89347
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 56.103 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion: 95 Resp: 194445
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 191.8
 176 95.4 0.0 193.2

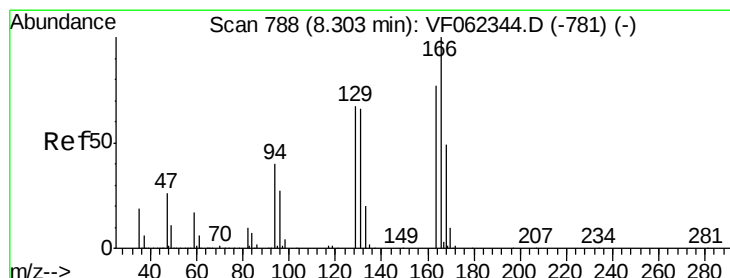
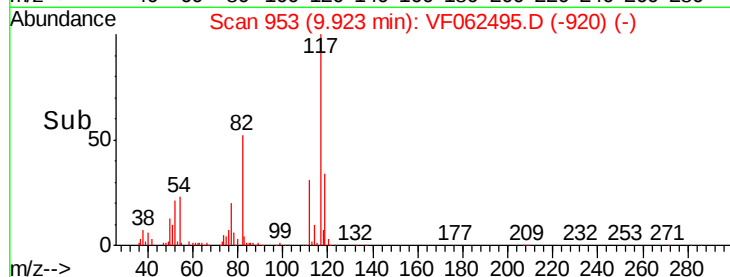
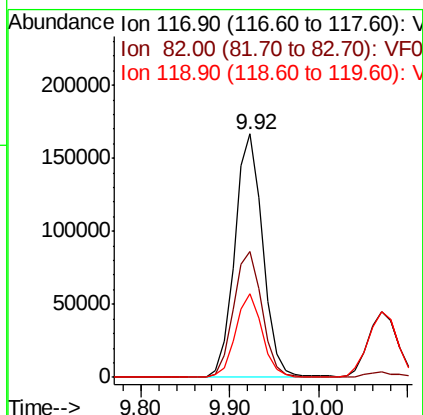
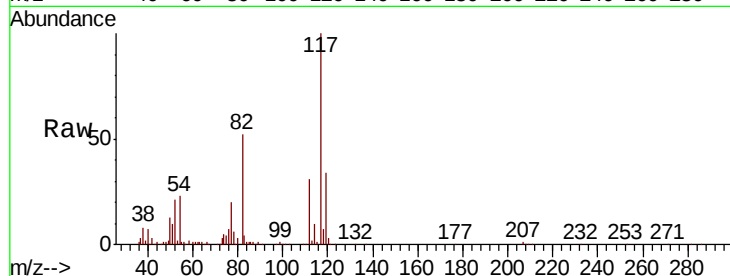




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

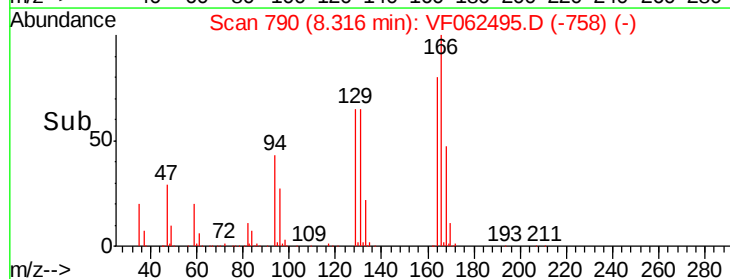
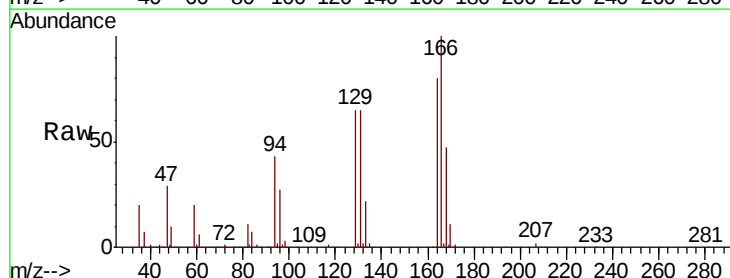
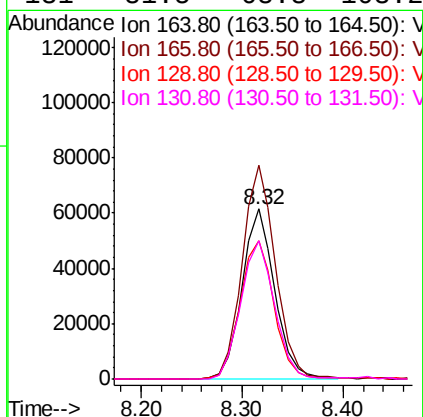
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

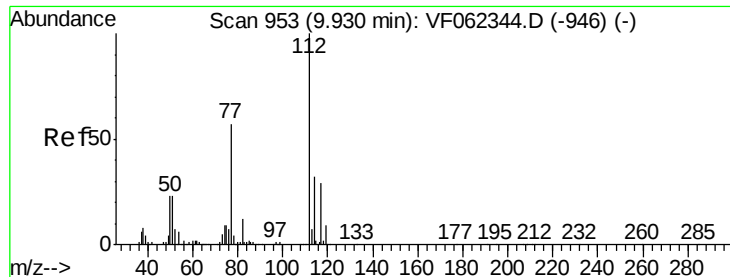
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.2
119	34.4	25.0	37.4



#64
Tetrachloroethene
Concen: 46.734 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	104.2	156.4
129	81.4	69.6	104.4
131	81.5	68.8	103.2

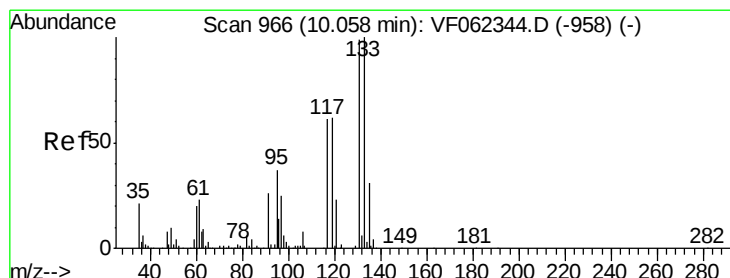
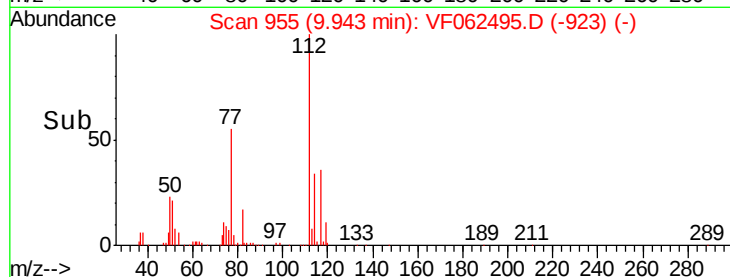
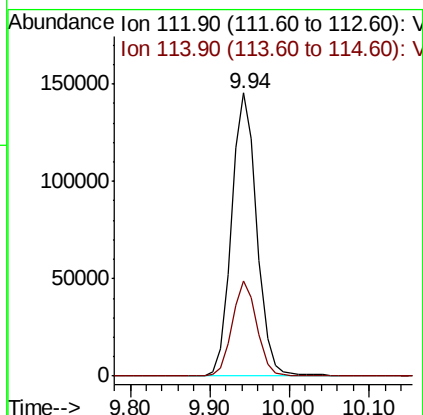
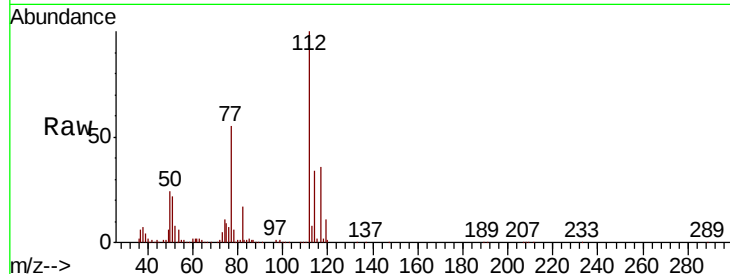




#65
Chlorobenzene
Concen: 53.162 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

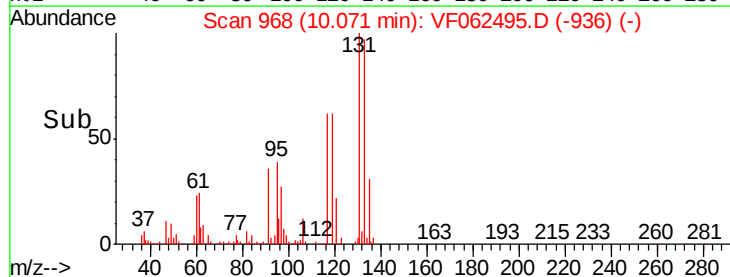
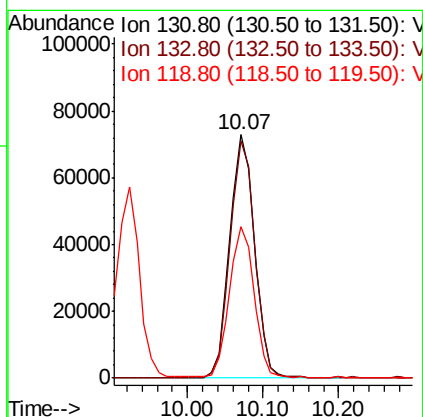
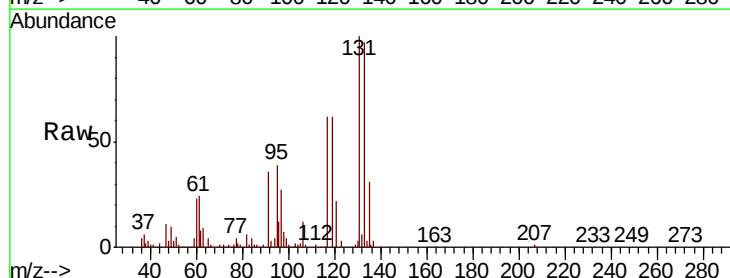
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

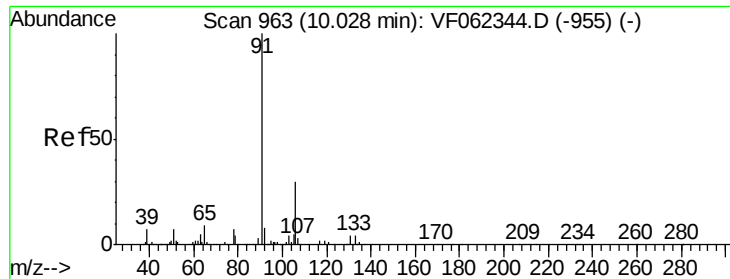
Tot Ion:112 Resp: 322104
Ion Ratio Lower Upper
112 100
114 33.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.959 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion:131 Resp: 164926
Ion Ratio Lower Upper
131 100
133 97.9 50.2 150.7
119 62.1 31.6 95.0





#67

Ethyl Benzene

Concen: 51.193 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

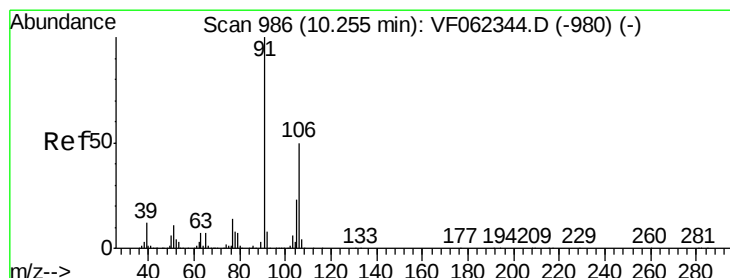
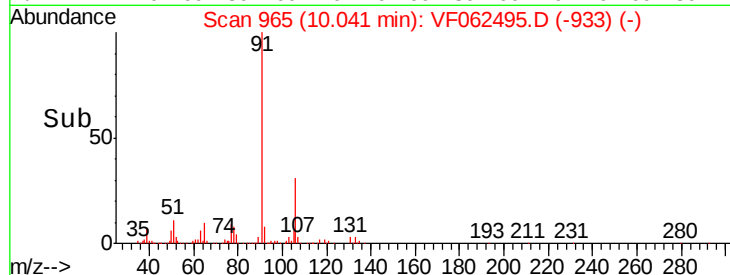
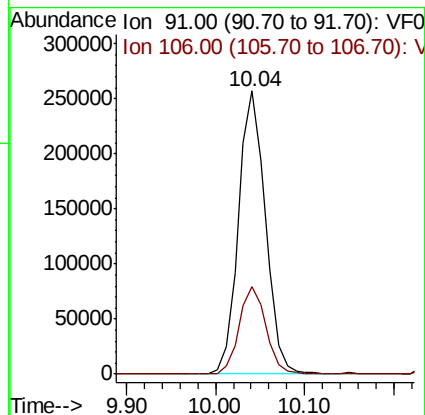
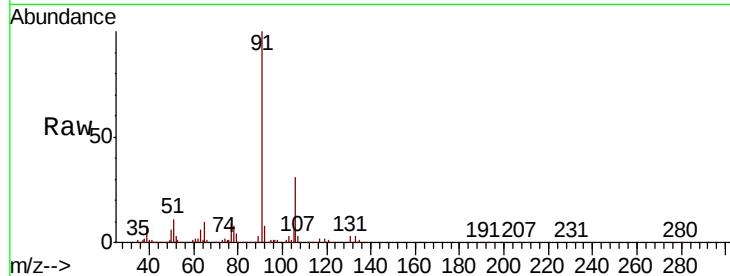
VSTDCCC050

Tot Ion: 91 Resp: 543135

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



#68

m/p-Xylenes

Concen: 105.633 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062495.D

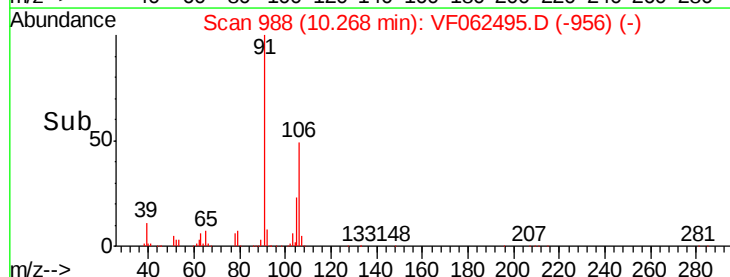
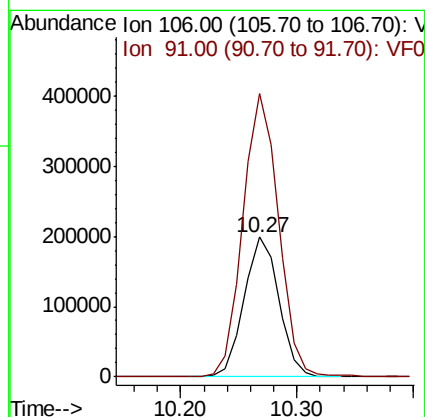
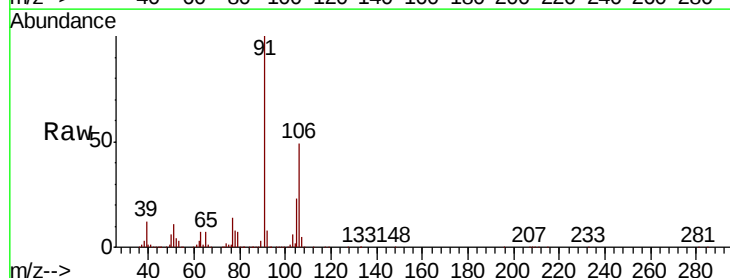
Acq: 12 May 2019 10:45

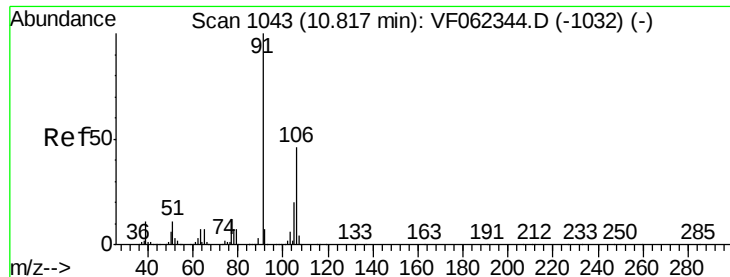
Tgt Ion: 106 Resp: 413506

Ion Ratio Lower Upper

106 100

91 207.4 167.4 251.2

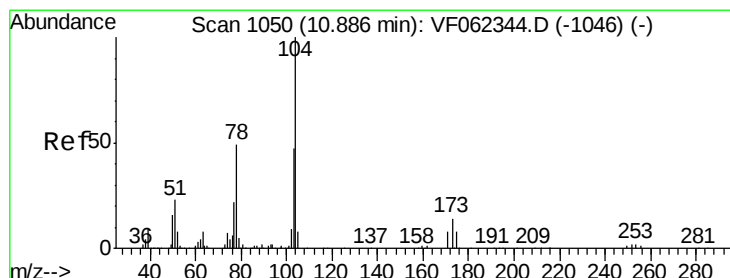
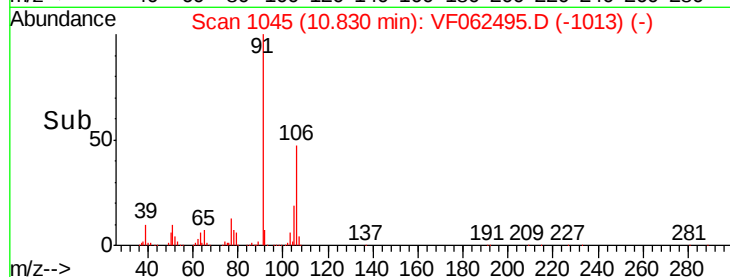
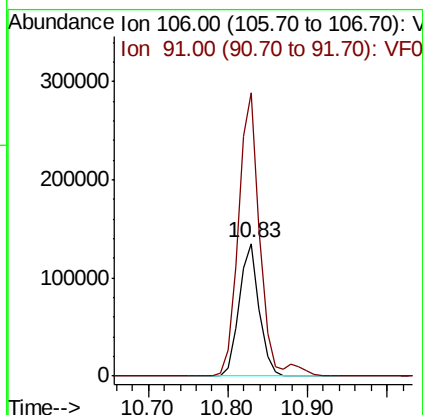
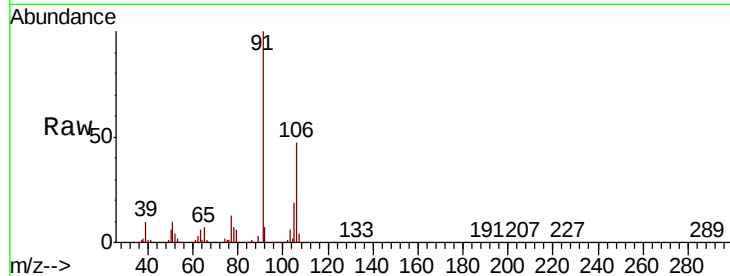




#69
o-Xylene
Concen: 56.162 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

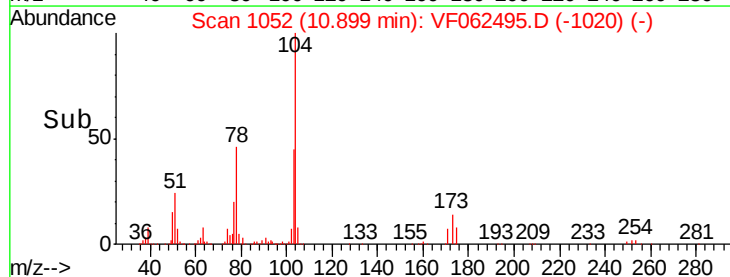
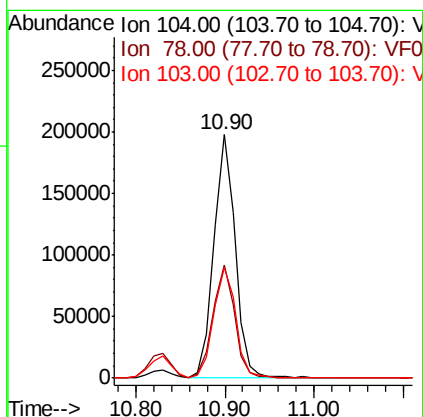
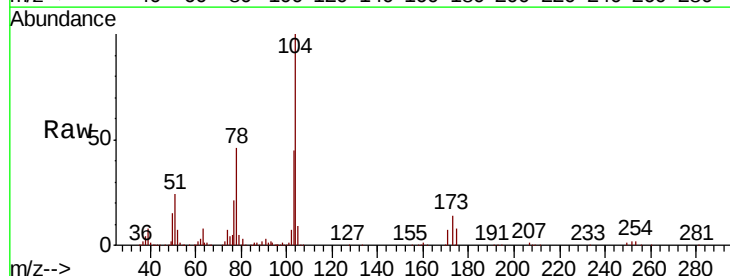
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

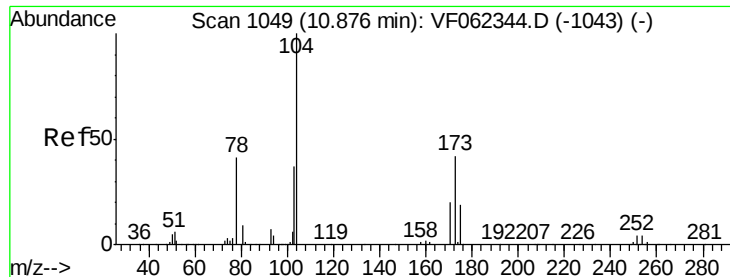
Tot Ion:106 Resp: 237565
Ion Ratio Lower Upper
106 100
91 219.2 111.3 333.8



#70
Styrene
Concen: 52.358 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion:104 Resp: 331926
Ion Ratio Lower Upper
104 100
78 46.9 39.5 59.3
103 47.1 38.4 57.6





#71

Bromoform

Concen: 51.919 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

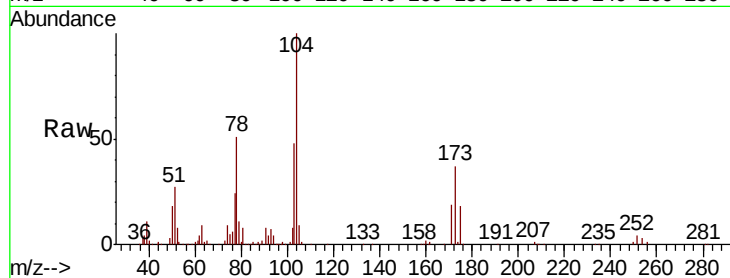
Tot Ion:173 Resp: 86939

Ion Ratio Lower Upper

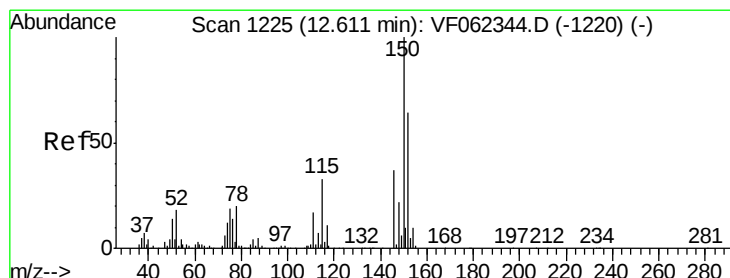
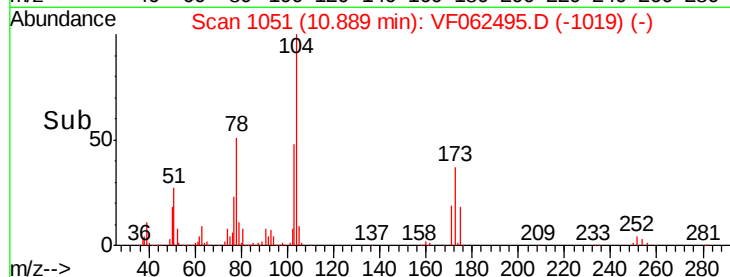
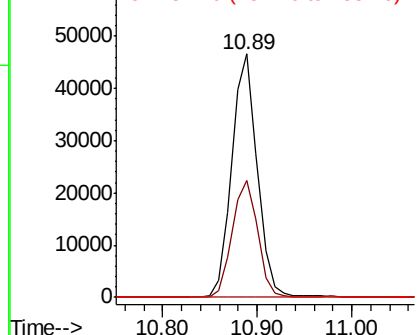
173 100

175 48.0 23.8 71.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

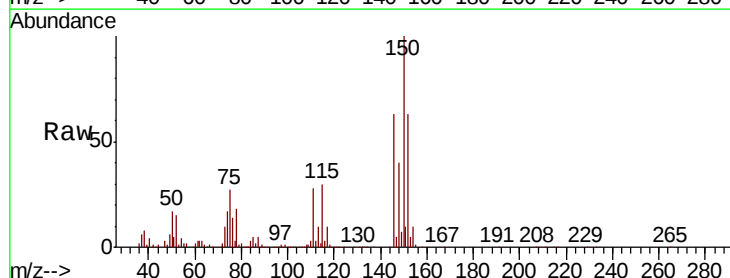
Tgt Ion:152 Resp: 231506

Ion Ratio Lower Upper

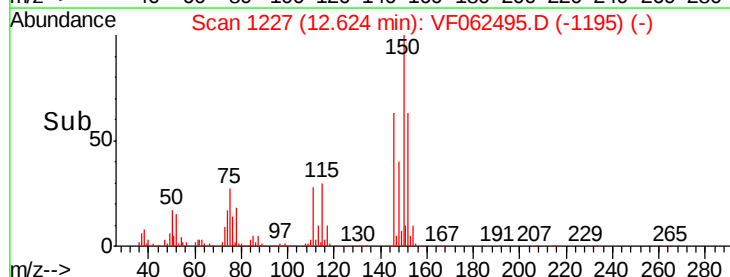
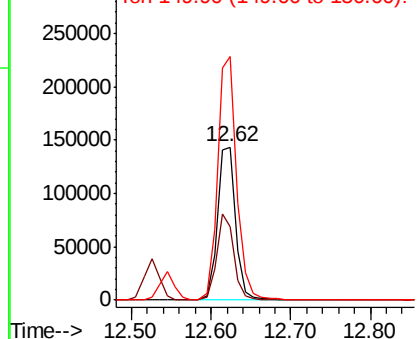
152 100

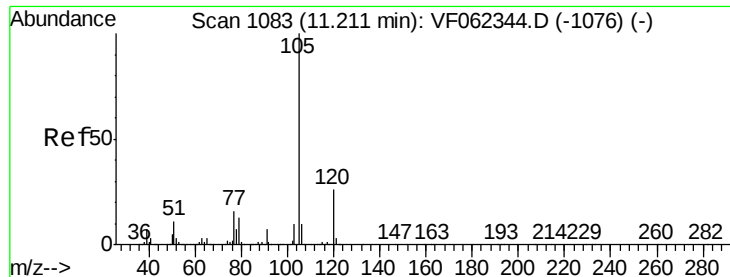
115 52.0 26.4 79.2

150 165.8 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: 51.454 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

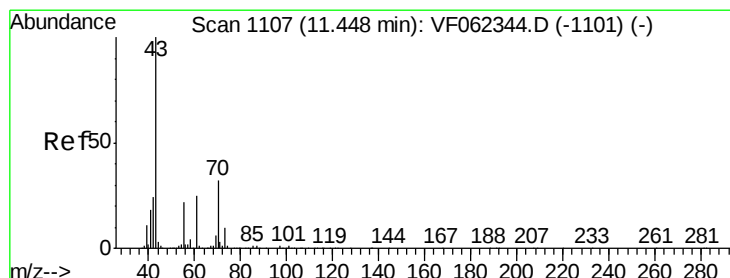
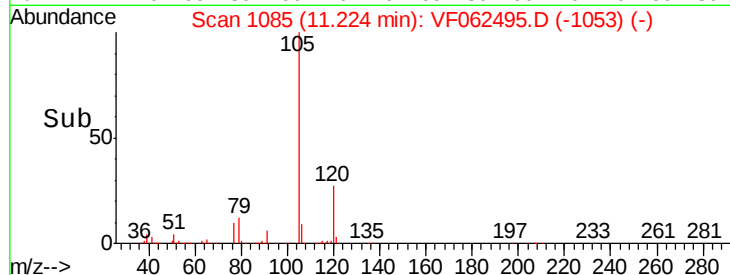
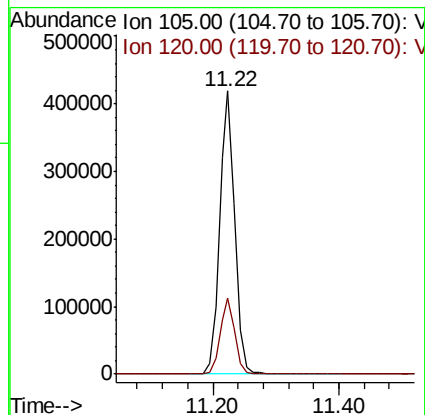
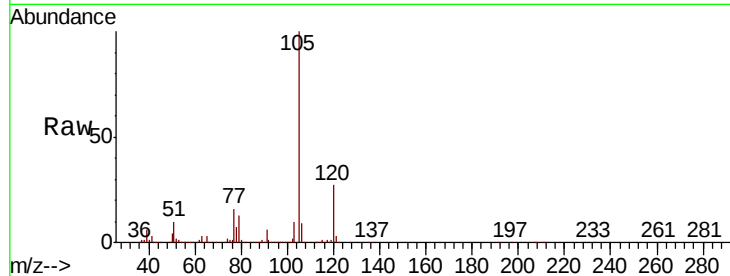
VSTDCCC050

Tot Ion:105 Resp: 706181

Ion Ratio Lower Upper

105 100

120 25.9 12.7 38.0



#74

N-ethyl acetate

Concen: 45.616 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Tgt Ion: 43 Resp: 134406

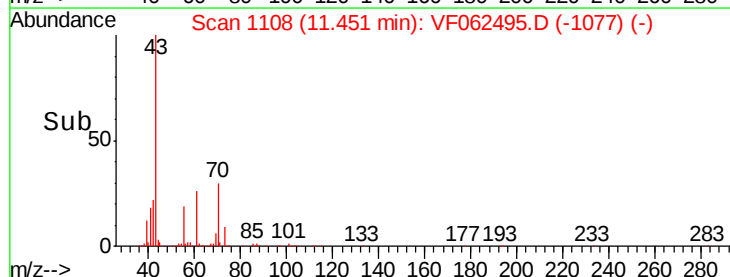
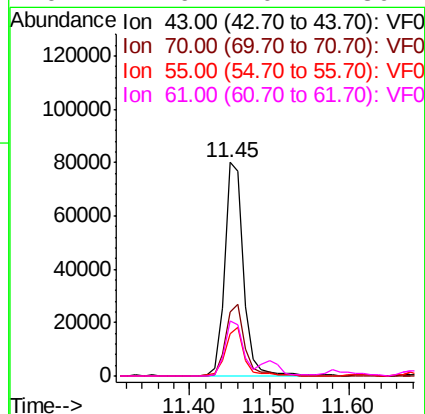
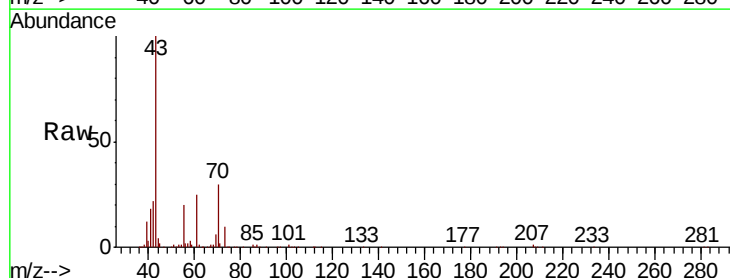
Ion Ratio Lower Upper

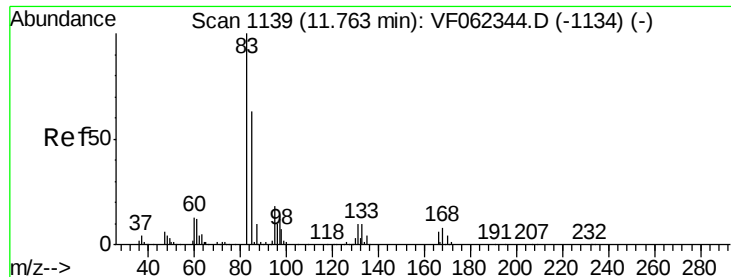
43 100

70 33.9 26.5 39.7

55 23.0 17.8 26.6

61 24.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.328 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

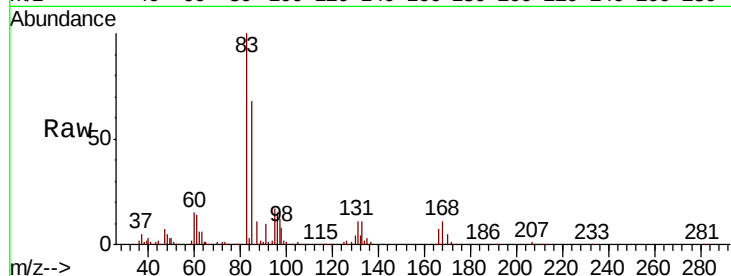
Tot Ion: 83 Resp: 108152

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.4

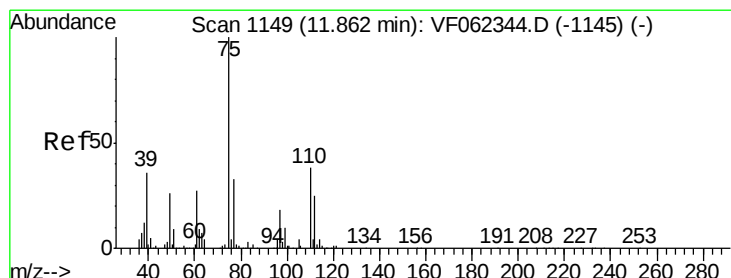
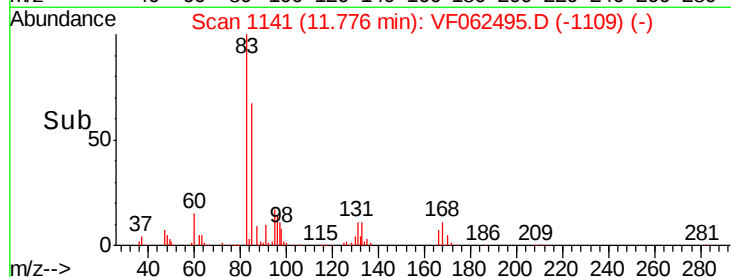
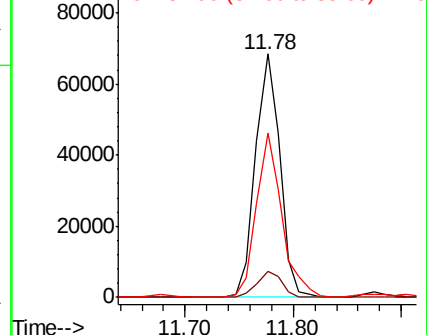
85 70.6 35.3 105.7



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: 47.554 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062495.D

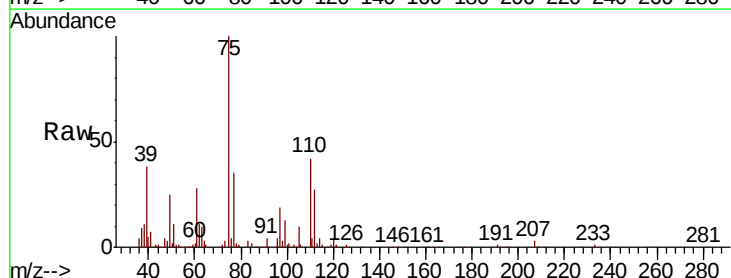
Acq: 12 May 2019 10:45

Tgt Ion: 75 Resp: 77964

Ion Ratio Lower Upper

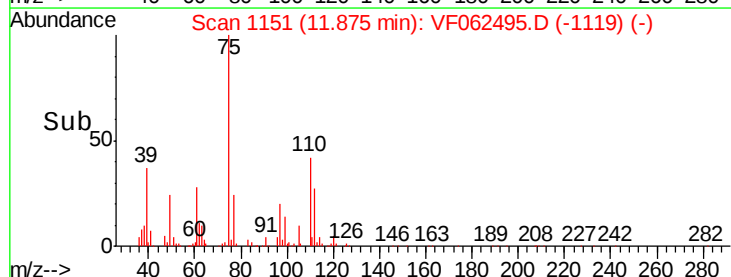
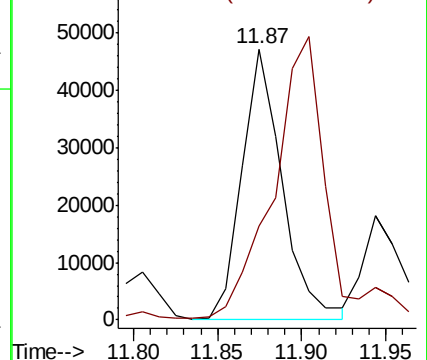
75 100

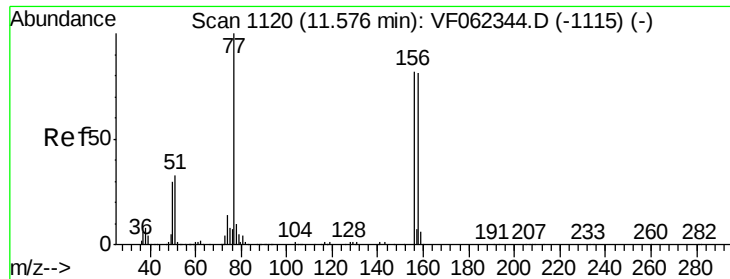
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.600 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

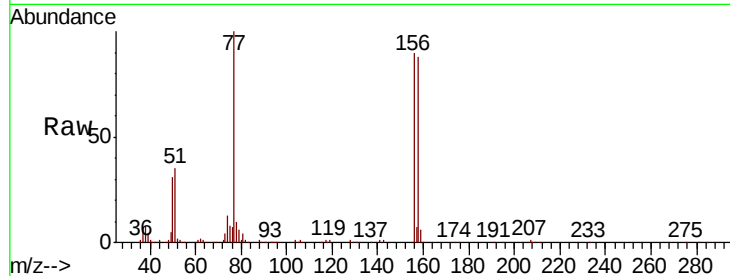
Tot Ion:156 Resp: 182259

Ion Ratio Lower Upper

156 100

77 126.1 64.8 194.3

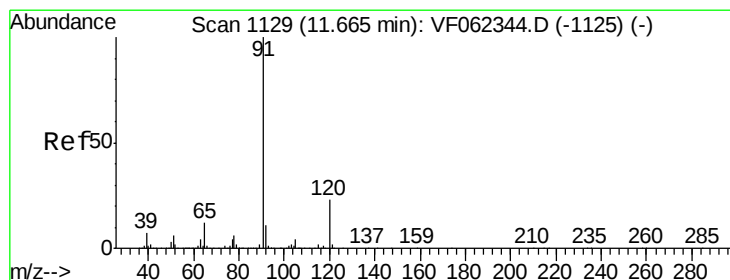
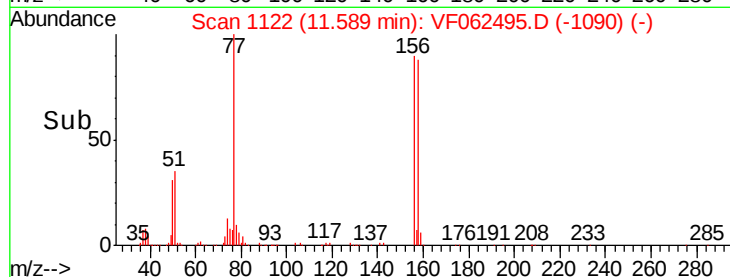
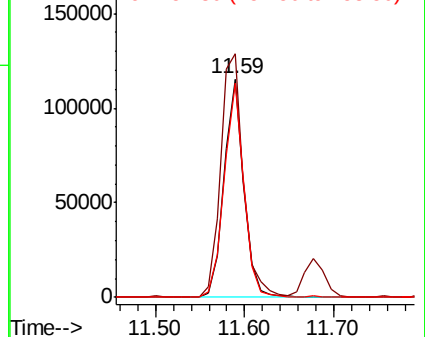
158 97.8 49.1 147.3



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: 50.415 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062495.D

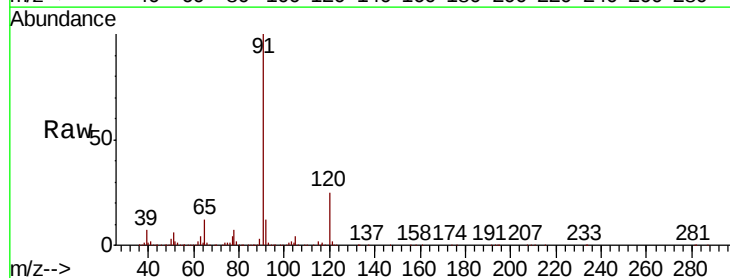
Acq: 12 May 2019 10:45

Tgt Ion: 91 Resp: 736657

Ion Ratio Lower Upper

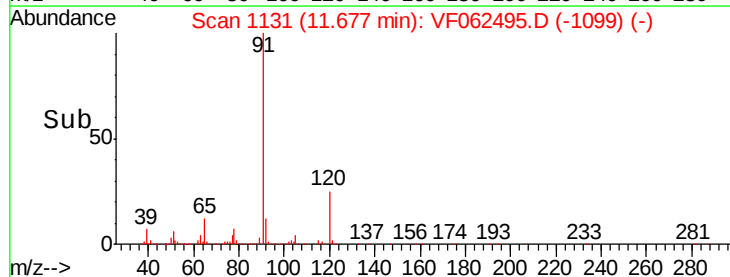
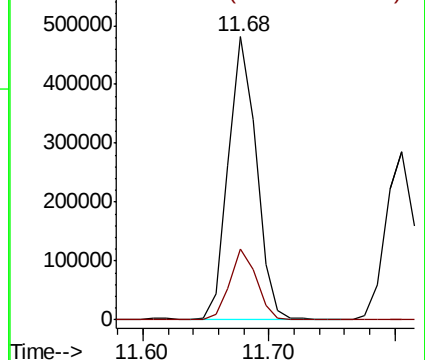
91 100

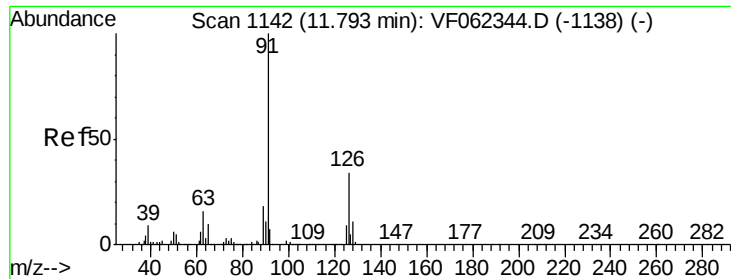
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.429 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

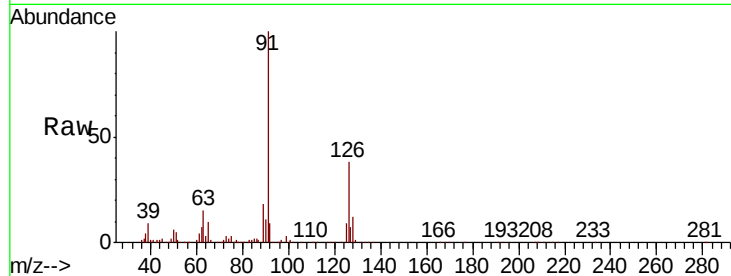
VSTDCCC050

Tot Ion: 91 Resp: 458198

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.81

300000

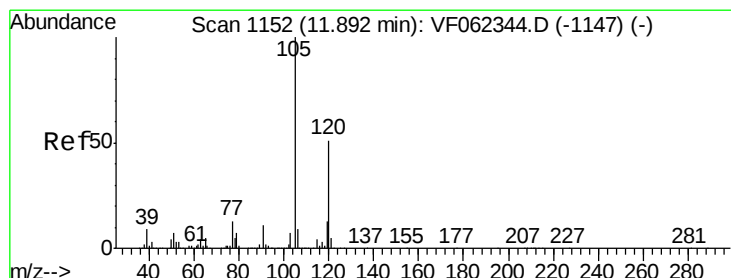
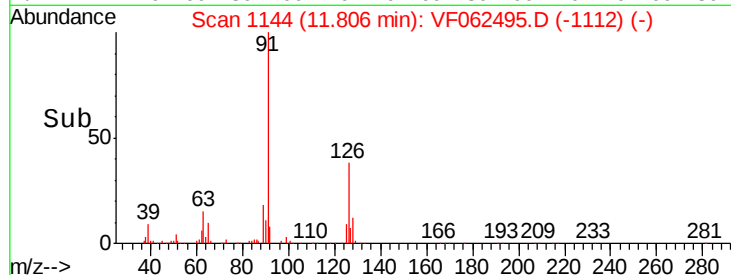
200000

100000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.207 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062495.D

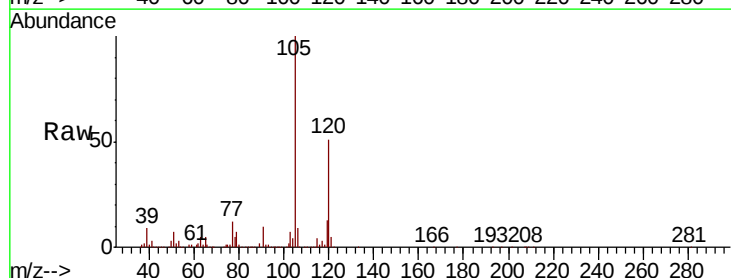
Acq: 12 May 2019 10:45

Tgt Ion: 105 Resp: 591932

Ion Ratio Lower Upper

105 100

120 50.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.90

400000

300000

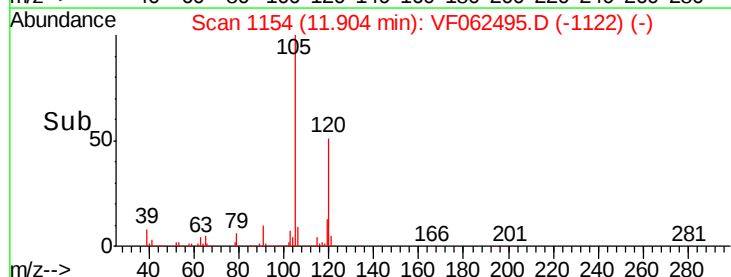
200000

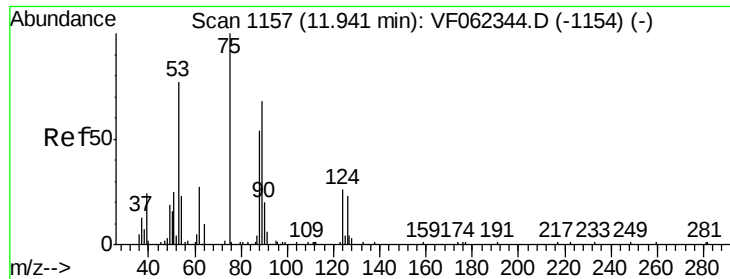
100000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 69.756 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

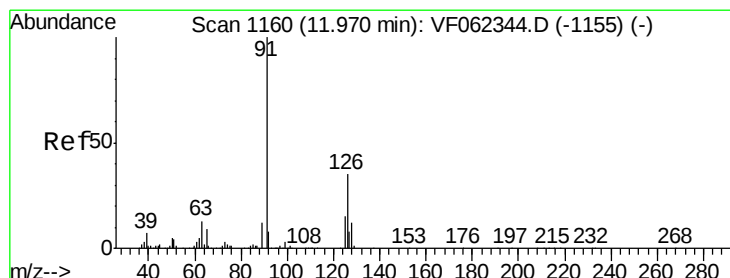
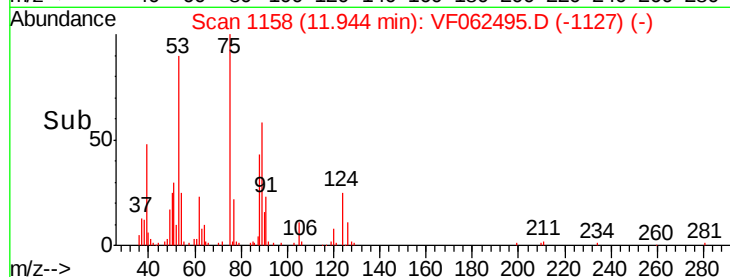
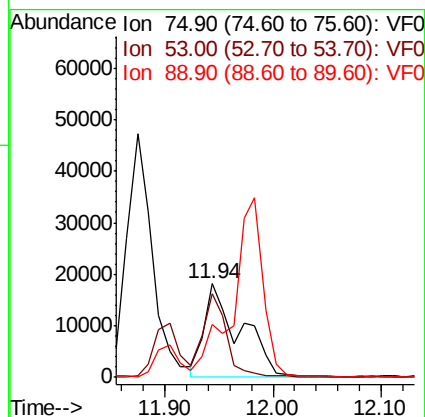
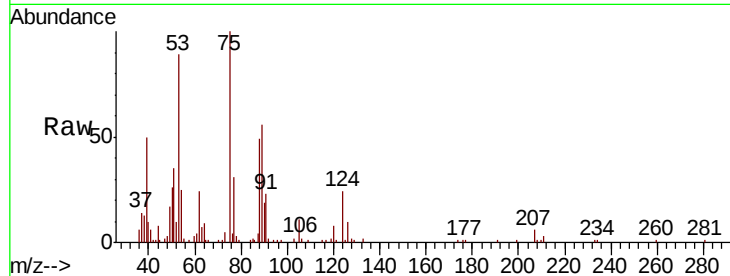
Tot Ion: 75 Resp: 42988

Ion Ratio Lower Upper

75 100

53 57.1 71.9 107.9#

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 50.781 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062495.D

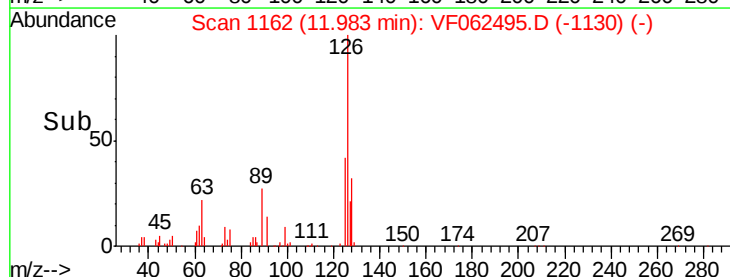
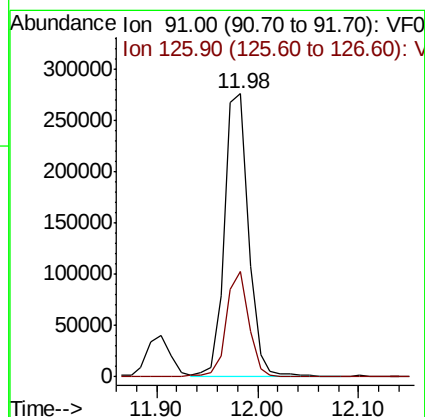
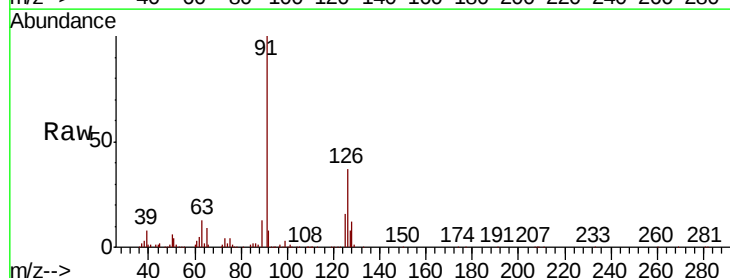
Acq: 12 May 2019 10:45

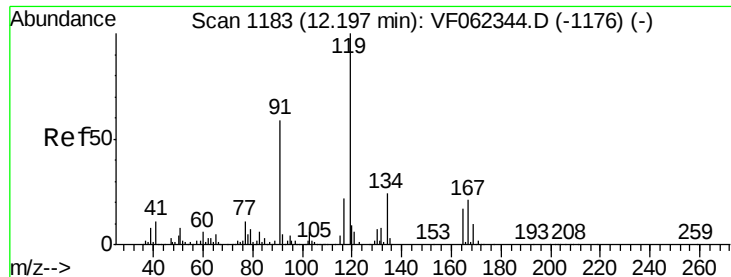
Tgt Ion: 91 Resp: 455708

Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1

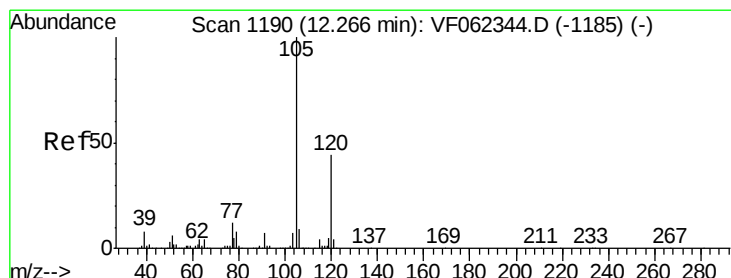
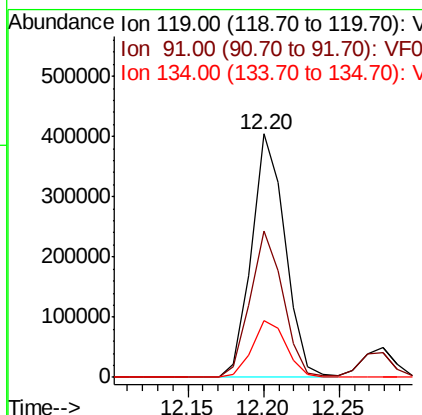
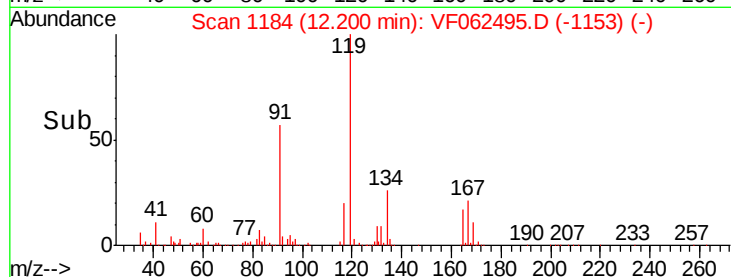
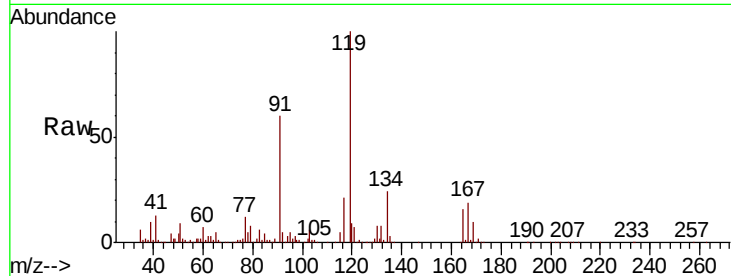




#83
tert-Butylbenzene
Concen: 49.615 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

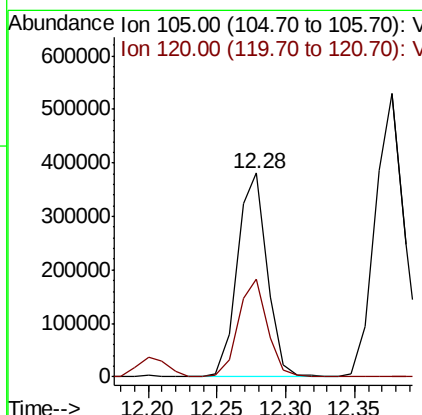
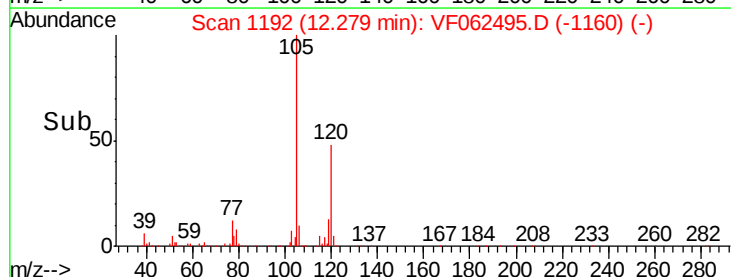
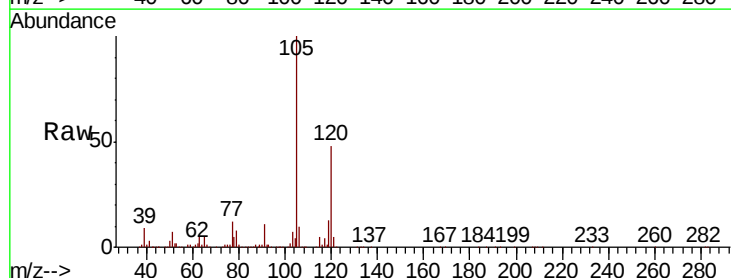
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

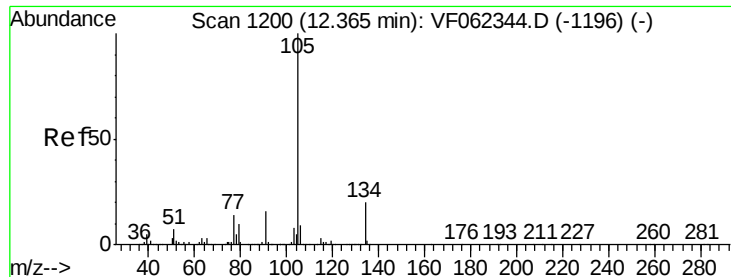
Tot Ion:119 Resp: 627255
Ion Ratio Lower Upper
119 100
91 58.7 30.4 91.3
134 23.9 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 48.667 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062495.D
Acq: 12 May 2019 10:45

Tgt Ion:105 Resp: 572918
Ion Ratio Lower Upper
105 100
120 46.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 50.682 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

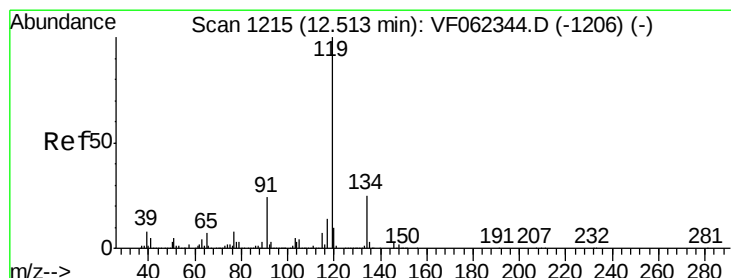
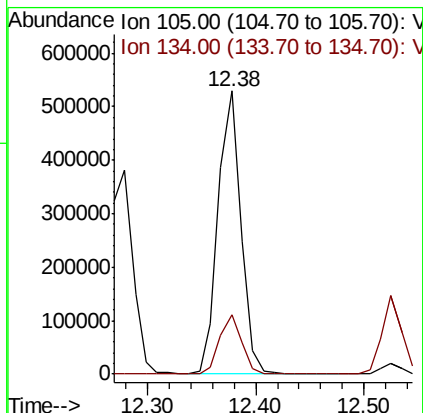
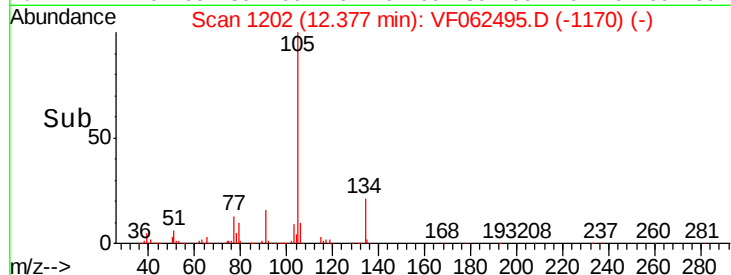
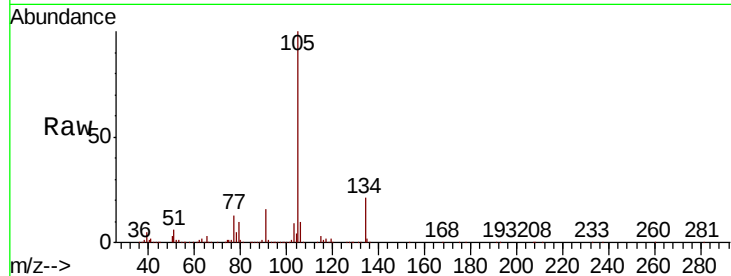
VSTDCCC050

Tot Ion:105 Resp: 779907

Ion Ratio Lower Upper

105 100

134 20.6 9.8 29.5



#86

p-Isopropyltoluene

Concen: 49.792 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

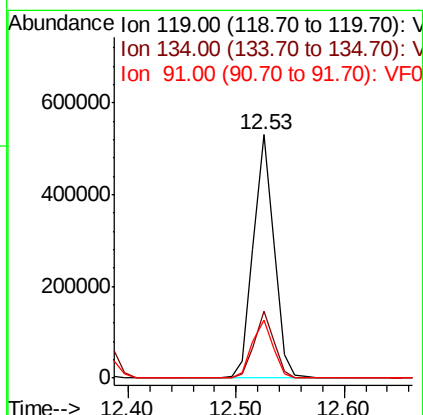
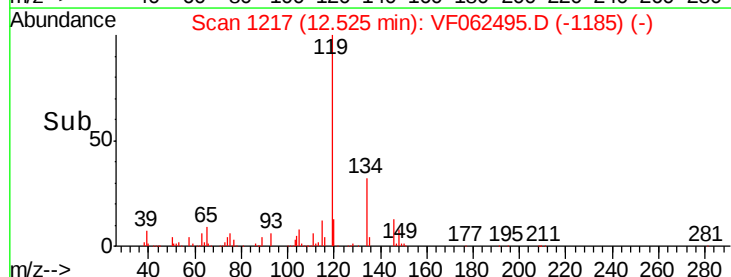
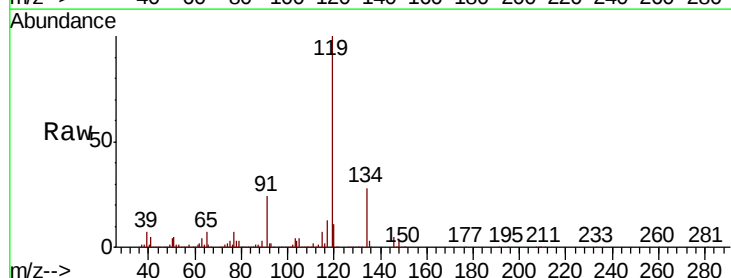
Tgt Ion:119 Resp: 711877

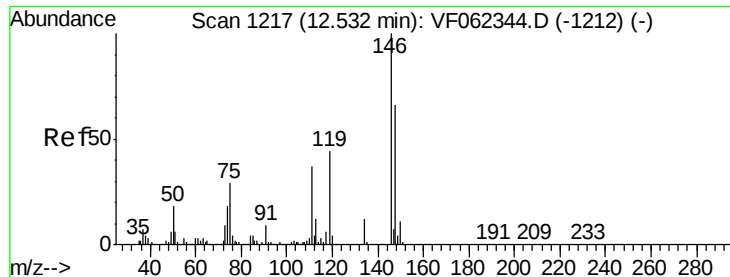
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

91 24.6 12.3 36.8

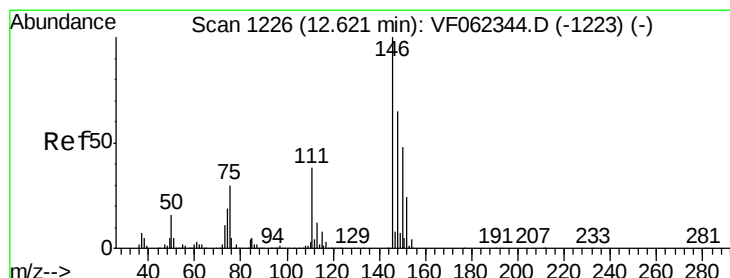
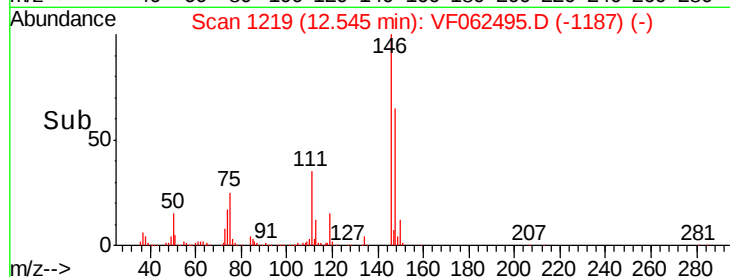
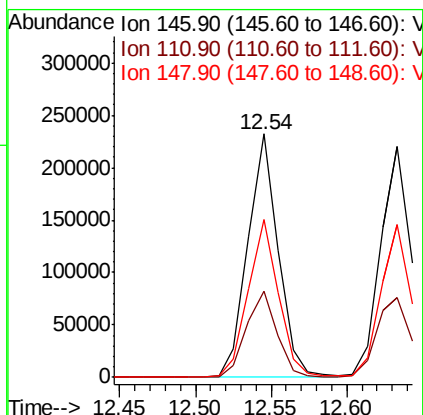
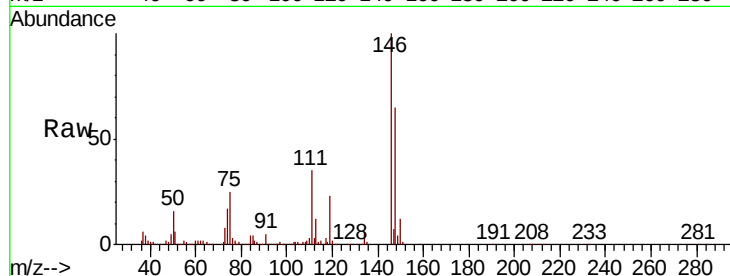




#87
 1,3-Dichlorobenzene
 Concen: 49.776 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

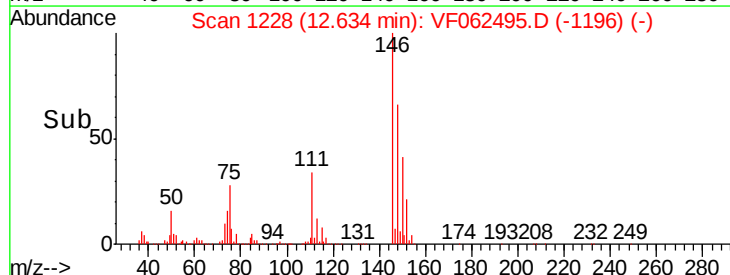
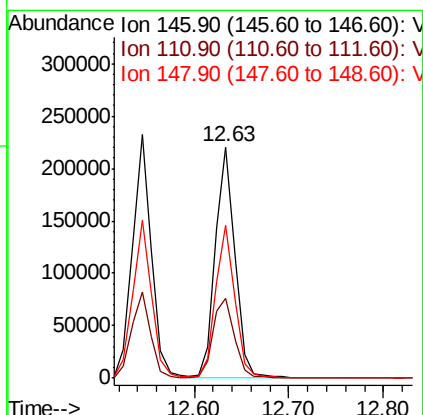
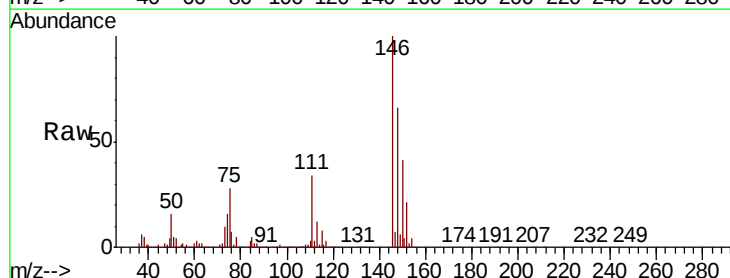
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

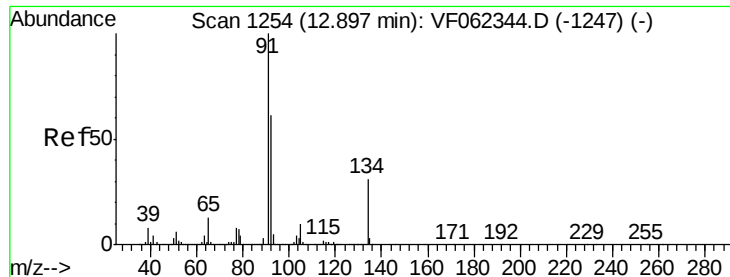
Tot Ion:146 Resp: 327451
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.3 54.8
 148 64.9 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 50.163 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion:146 Resp: 318499
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 65.2 32.2 96.6





#89

n-Butylbenzene

Concen: 51.218 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

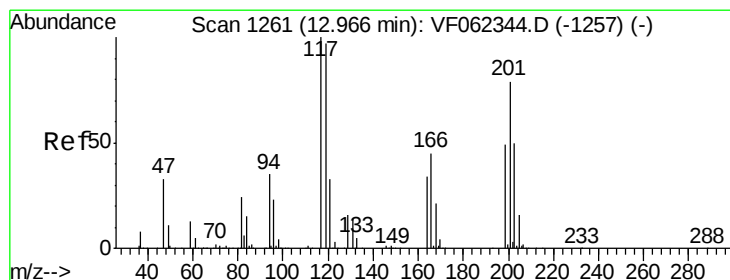
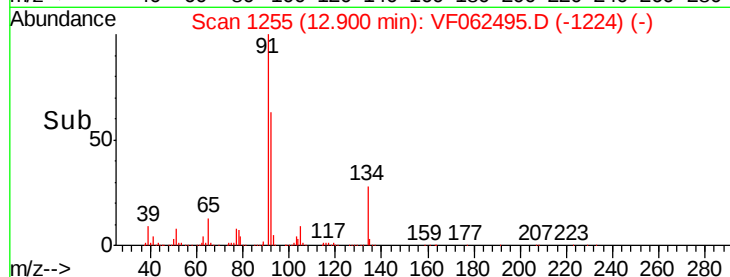
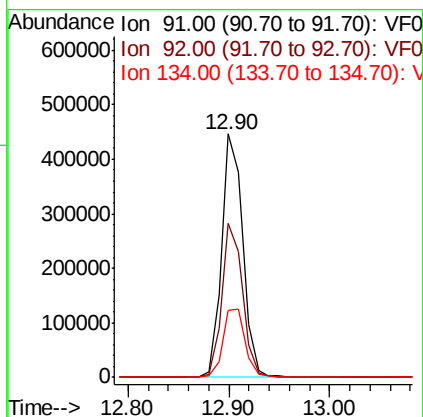
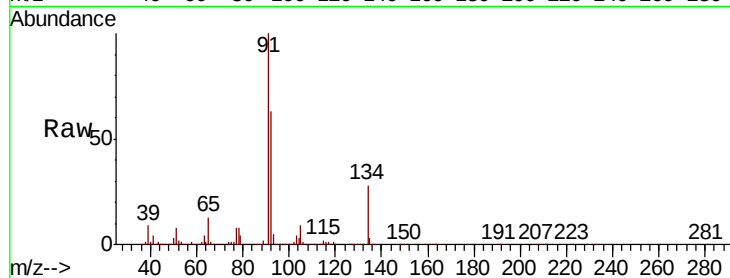
Tot Ion: 91 Resp: 651482

Ion Ratio Lower Upper

91 100

92 61.9 30.0 90.0

134 29.7 14.1 42.4



#90

Hexachloroethane

Concen: 48.745 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062495.D

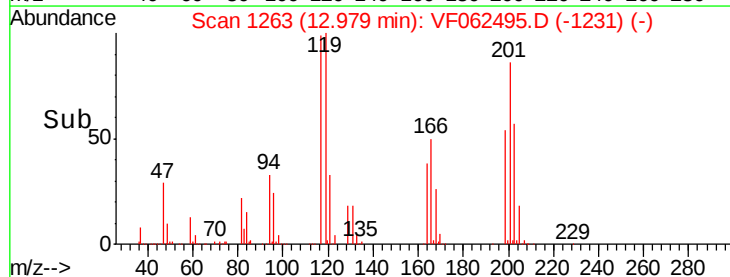
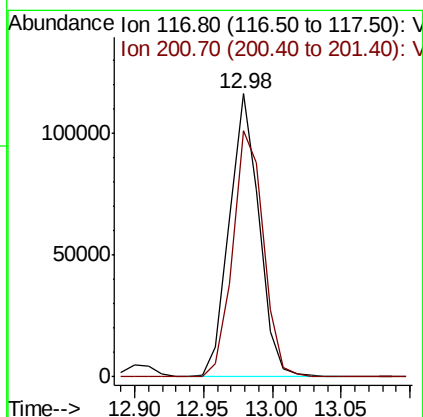
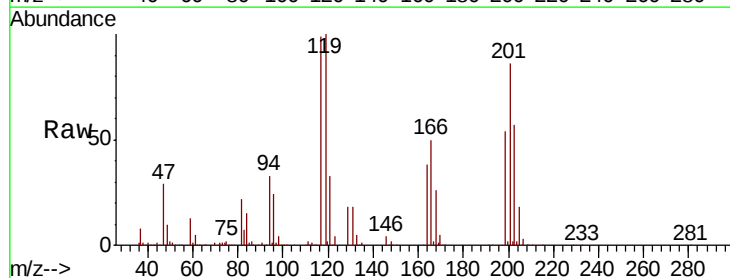
Acq: 12 May 2019 10:45

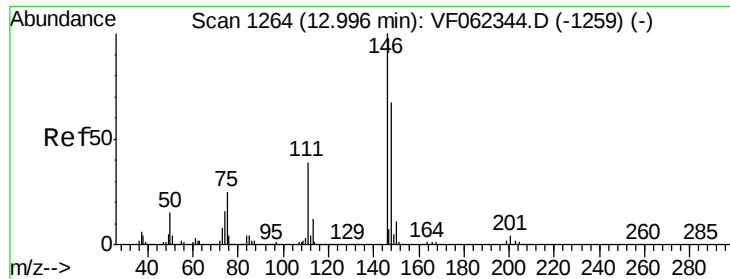
Tgt Ion: 117 Resp: 174008

Ion Ratio Lower Upper

117 100

201 90.8 46.2 138.5

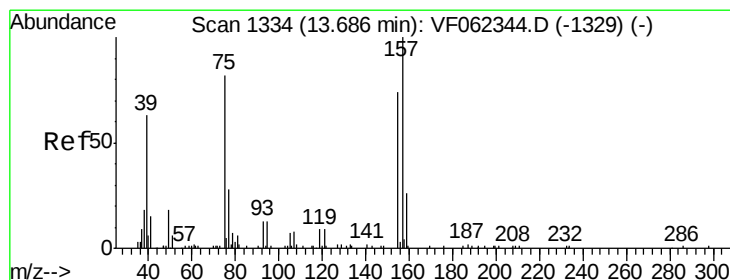
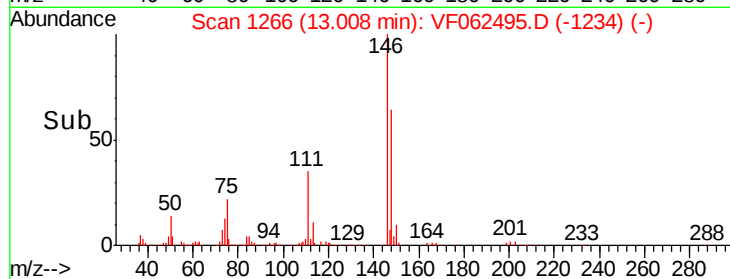
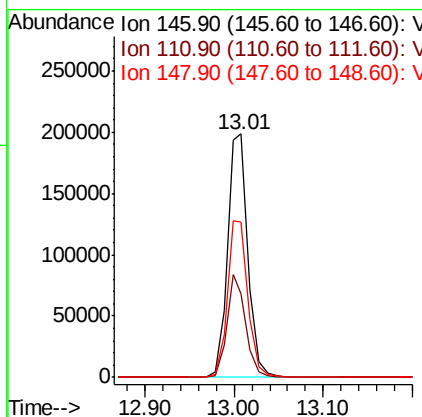
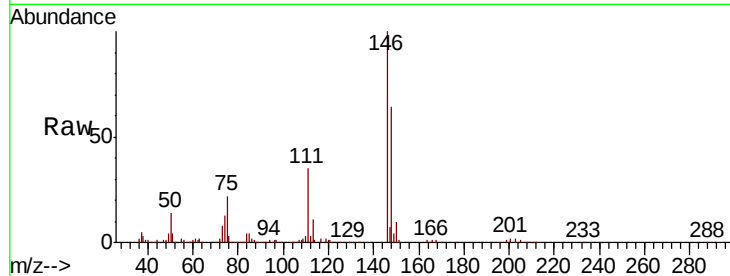




#91
 1,2-Dichlorobenzene
 Concen: 50.371 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

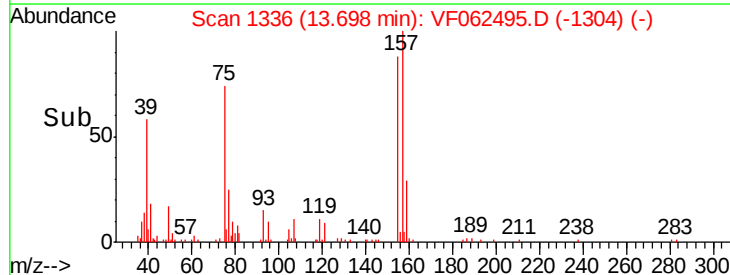
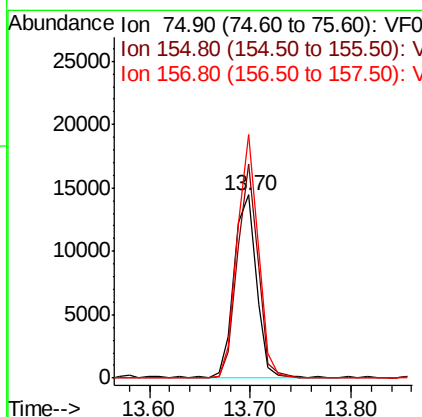
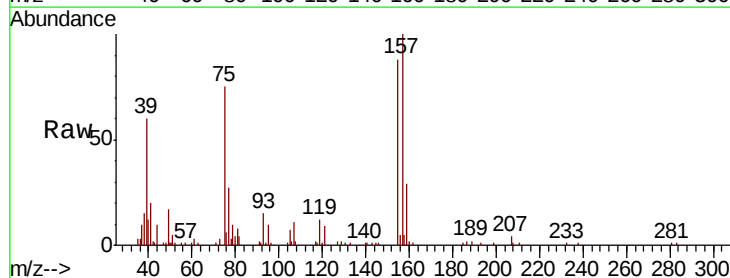
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

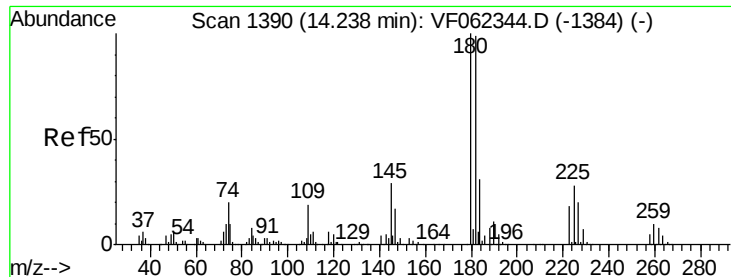
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	65.0	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.464 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.8	51.8	155.4
157	122.9	67.3	201.8

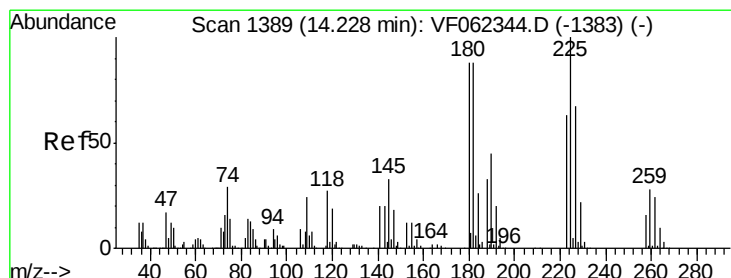
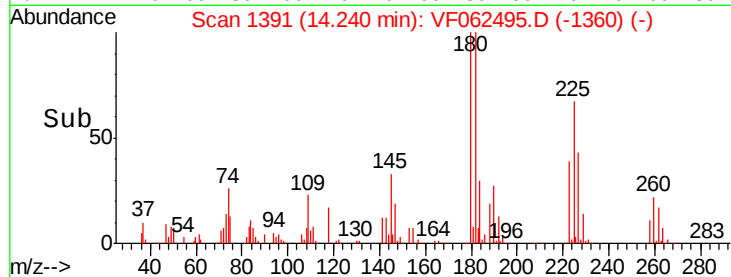
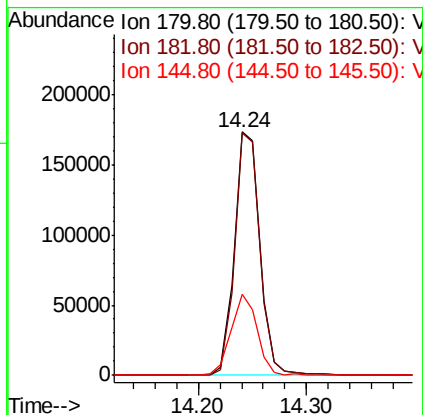
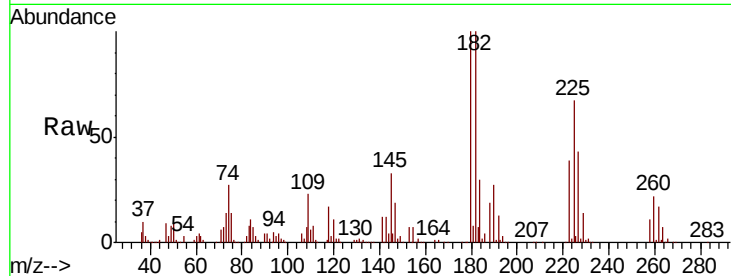




#93
 1,2,4-Trichlorobenzene
 Concen: 49.833 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

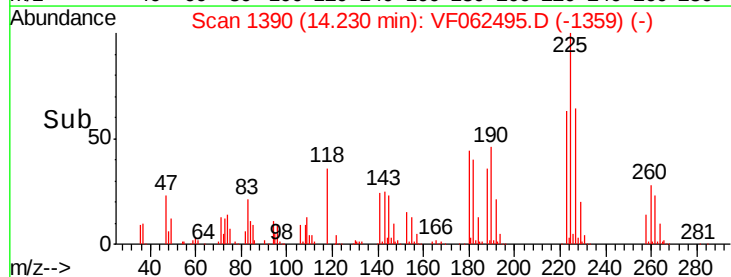
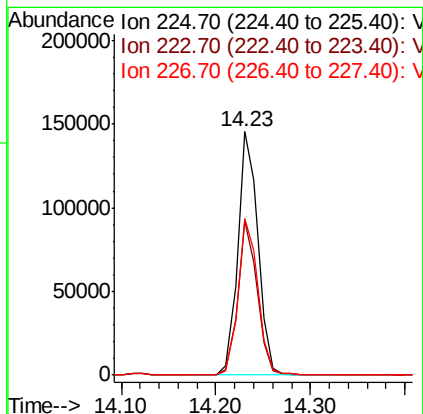
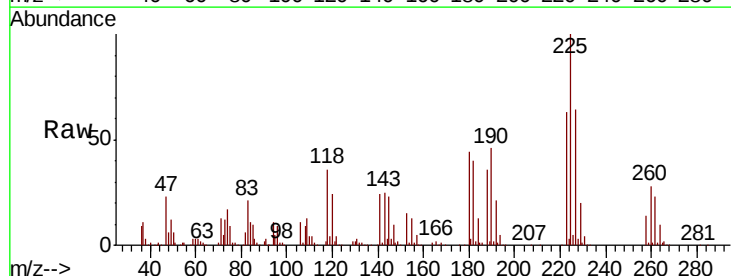
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

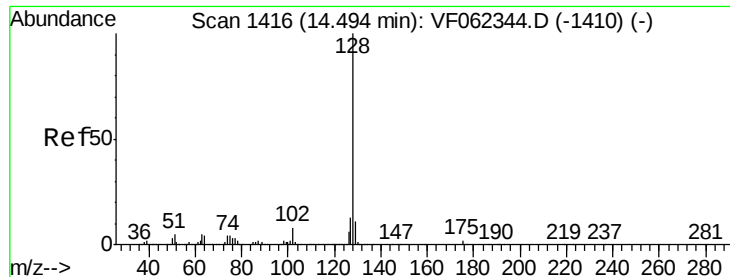
Tot Ion:180 Resp: 284608
 Ion Ratio Lower Upper
 180 100
 182 98.4 49.0 147.0
 145 34.1 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 50.392 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062495.D
 Acq: 12 May 2019 10:45

Tgt Ion:225 Resp: 214507
 Ion Ratio Lower Upper
 225 100
 223 60.8 31.9 95.5
 227 63.5 33.1 99.5





#95

Naphthalene

Concen: 49.790 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

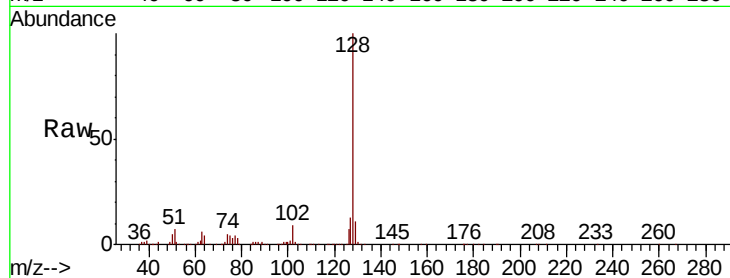
Tot Ion:128 Resp: 427512

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

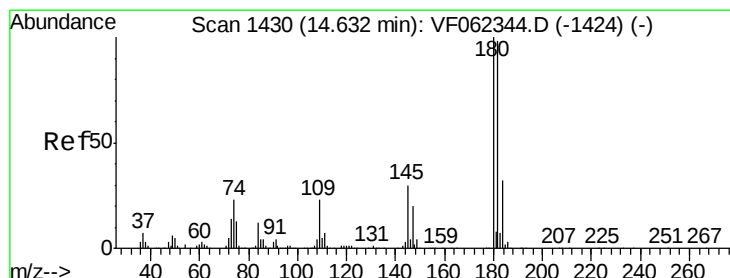
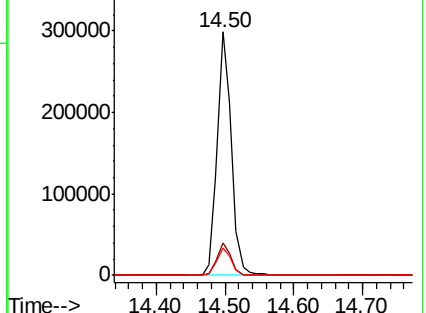
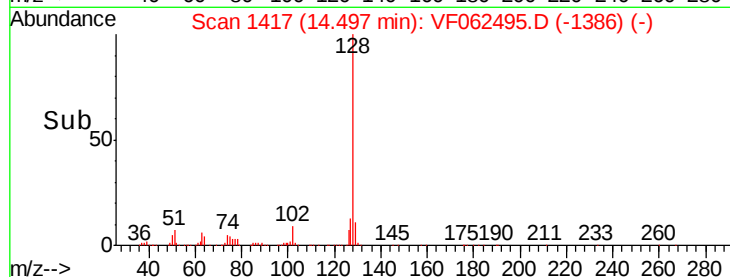
129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.328 ug/l

RT: 14.64 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062495.D

Acq: 12 May 2019 10:45

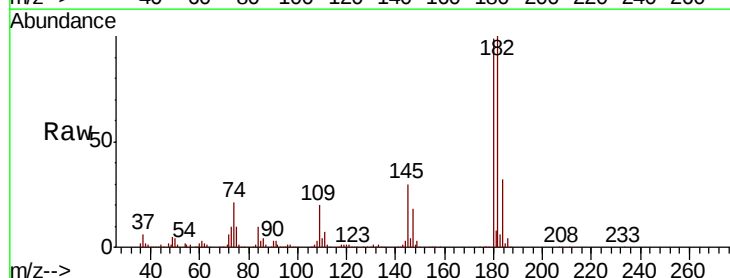
Tgt Ion:180 Resp: 272934

Ion Ratio Lower Upper

180 100

182 100.6 49.4 148.0

145 30.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

