

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062346.D
 Acq On : 6 May 2019 20:04
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: May 07 03:42:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 03:35:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	315750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	446706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	365734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	209588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	319670	90.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.72%	
35) Dibromofluoromethane	4.30	113	346856	80.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.46%	
50) Toluene-d8	7.71	98	865660	83.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.24%	
62) 4-Bromofluorobenzene	11.49	95	370055	85.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.00	85	331768	74.715	ug/l 95
3) Chloromethane	1.14	50	226363	64.846	ug/l 99
4) Vinyl Chloride	1.18	62	226319	66.911	ug/l 98
5) Bromomethane	1.38	94	175955	71.462	ug/l 98
6) Chloroethane	1.44	64	113126	71.738	ug/l 98
7) Trichlorofluoromethane	1.56	101	503026	84.108	ug/l 94
8) Diethyl Ether	1.71	74	71605	71.776	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	288122	79.888	ug/l 97
10) Methyl Iodide	1.98	142	465122	75.091	ug/l 99
11) Tert butyl alcohol	2.70	59	81128	417.513	ug/l 95
12) 1,1-Dichloroethene	1.86	96	226535	71.729	ug/l 97
13) Acrolein	2.09	56	51433	352.192	ug/l 92
14) Allyl chloride	2.19	41	211766	65.936	ug/l 96
15) Acrylonitrile	3.09	53	156350	319.527	ug/l 97
16) Acetone	2.35	43	290627	399.035	ug/l 97
17) Carbon Disulfide	1.91	76	438599	55.518	ug/l 96
18) Methyl Acetate	2.45	43	107452	73.407	ug/l 95
19) Methyl tert-butyl Ether	2.54	73	502319	80.660	ug/l 97
20) Methylene Chloride	2.34	84	157354	44.560	ug/l 90
21) trans-1,2-Dichloroethene	2.41	96	225658	73.028	ug/l 95
22) Diisopropyl ether	2.93	45	676011	72.285	ug/l 96
23) Vinyl Acetate	3.34	43	1504523	359.798	ug/l 98
24) 1,1-Dichloroethane	3.01	63	412464	76.072	ug/l 99
25) 2-Butanone	4.51	43	372719	348.518	ug/l 97
26) 2,2-Dichloropropane	3.77	77	203643	71.851	ug/l 99
27) cis-1,2-Dichloroethene	3.64	96	285821	72.032	ug/l 99
28) Bromochloromethane	3.89	49	185011	77.381	ug/l 97
29) Tetrahydrofuran	4.26	42	150427	322.481	ug/l 97
30) Chloroform	4.04	83	541739	77.501	ug/l 95
31) Cyclohexane	3.87	56	308085	63.430	ug/l 99
32) 1,1,1-Trichloroethane	4.28	97	431521	84.064	ug/l # 92
36) 1,1-Dichloropropene	4.47	75	349350	70.404	ug/l 99
37) Ethyl Acetate	4.30	43	140644	67.676	ug/l # 95
38) Carbon Tetrachloride	4.17	117	393738	77.238	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	362708	64.825	ug/l	99
40) Benzene	4.81	78	787791	68.214	ug/l	95
41) Methacrylonitrile	4.93	41	86874	75.527	ug/l	97
42) 1,2-Dichloroethane	5.13	62	336040	82.411	ug/l	99
43) Isopropyl Acetate	7.11	43	169373	75.700	ug/l #	99
44) Trichloroethene	5.68	130	284446	70.704	ug/l	97
45) 1,2-Dichloropropane	6.40	63	184799	70.054	ug/l	99
46) Dibromomethane	6.25	93	155751	78.326	ug/l	96
47) Bromodichloromethane	6.55	83	395505	82.723	ug/l	95
48) Methyl methacrylate	6.87	41	123683	78.752	ug/l	94
49) 1,4-Dioxane	6.86	88	26163	1502.593	ug/l #	88
51) 4-Methyl-2-Pentanone	8.40	43	619284	371.643	ug/l	100
52) Toluene	7.78	92	482018	70.924	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	282199	79.859	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	328433	74.498	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	161827	79.716	ug/l	94
56) Ethyl methacrylate	8.75	69	175419	80.160	ug/l	95
57) 1,3-Dichloropropane	8.99	76	239000	76.780	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	242983	374.869	ug/l	97
59) 2-Hexanone	9.62	43	422463	367.336	ug/l	97
60) Dibromochloromethane	8.85	129	286149	86.152	ug/l	98
61) 1,2-Dibromoethane	9.13	107	188547	79.561	ug/l	97
64) Tetrachloroethene	8.30	164	283334	76.613	ug/l	98
65) Chlorobenzene	9.93	112	578375	72.517	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	290418	75.416	ug/l	97
67) Ethyl Benzene	10.02	91	964815	69.694	ug/l	98
68) m/p-Xylenes	10.25	106	733696	144.233	ug/l	93
69) o-Xylene	10.81	106	407619	71.585	ug/l	100
70) Styrene	10.88	104	586648	71.037	ug/l	98
71) Bromoform	10.87	173	166220	77.288	ug/l	96
73) Isopropylbenzene	11.21	105	1137244	66.950	ug/l	98
74) N-amyl acetate	11.44	43	266066	71.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	196356	73.302	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	148964	76.330	ug/l #	100
77) Bromobenzene	11.57	156	316151	73.610	ug/l	98
78) n-propylbenzene	11.67	91	1205217	68.133	ug/l	99
79) 2-Chlorotoluene	11.79	91	779563	71.707	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	1002473	70.114	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	78062	96.959	ug/l #	70
82) 4-Chlorotoluene	11.97	91	769870	72.084	ug/l	100
83) tert-Butylbenzene	12.19	119	1047232	70.174	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	954998	68.114	ug/l	96
85) sec-Butylbenzene	12.37	105	1280664	69.701	ug/l	97
86) p-Isopropyltoluene	12.52	119	1154326	69.586	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	530621	70.207	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	540736	73.988	ug/l	99
89) n-Butylbenzene	12.89	91	1000303	67.184	ug/l	97
90) Hexachloroethane	12.97	117	313278	74.337	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	525439	71.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	44817	80.138	ug/l	98

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QLast Update : Tue May 07 03:35:09 2019
Response via : Initial Calibration

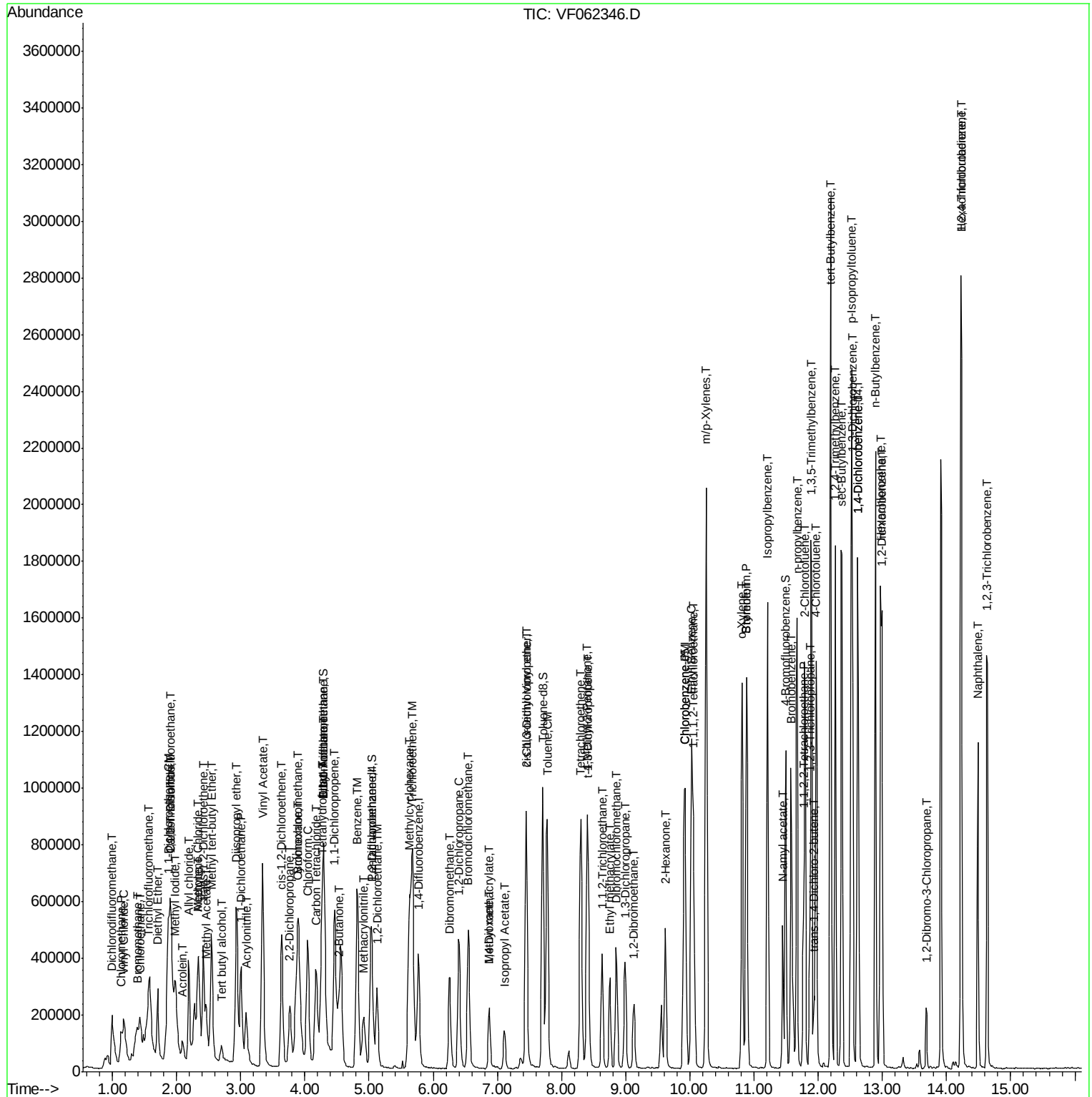
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	455467	70.219	ug/l	98
94) Hexachlorobutadiene	14.22	225	353785	74.564	ug/l	100
95) Naphthalene	14.49	128	803175	79.470	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	475682	76.347	ug/l	98

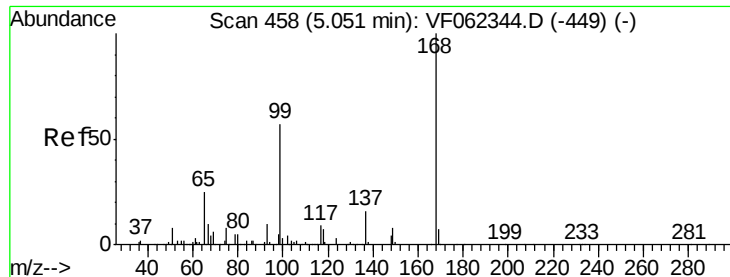
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050619\
Data File : VF062346.D
Acq On : 6 May 2019 20:04
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Misc : 5.00µL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
VSTDIC100

Quant Time: May 07 03:42:39 2019
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Quant Title : SW846 8260
QLast Update : Tue May 07 03:35:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

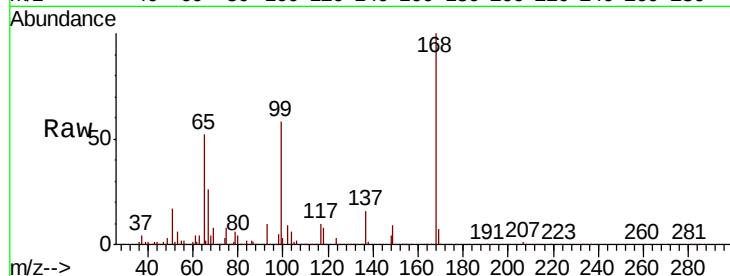
VSTDIC100

Tot Ion:168 Resp: 315750

Ion Ratio Lower Upper

168 100

99 57.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

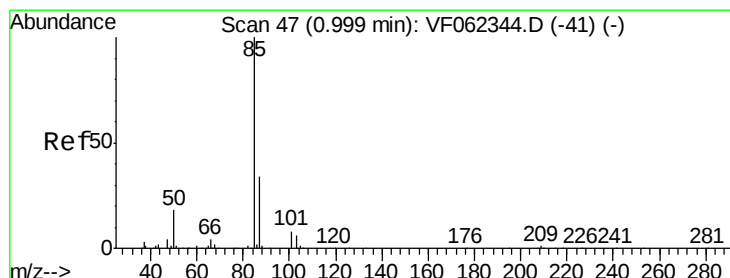
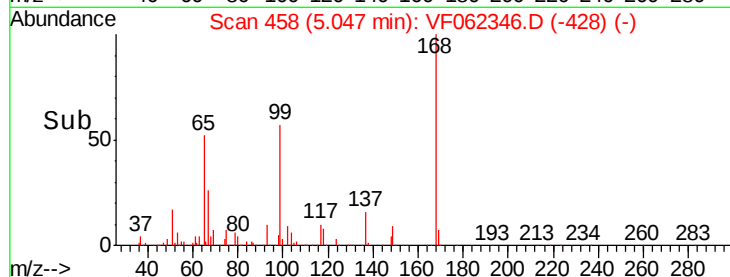
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 74.715 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062346.D

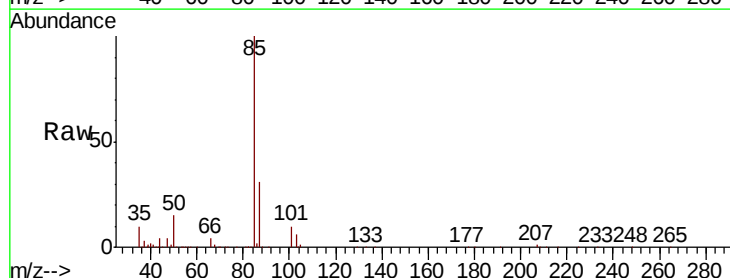
Acq: 6 May 2019 20:04

Tgt Ion: 85 Resp: 331768

Ion Ratio Lower Upper

85 100

87 30.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

100000

80000

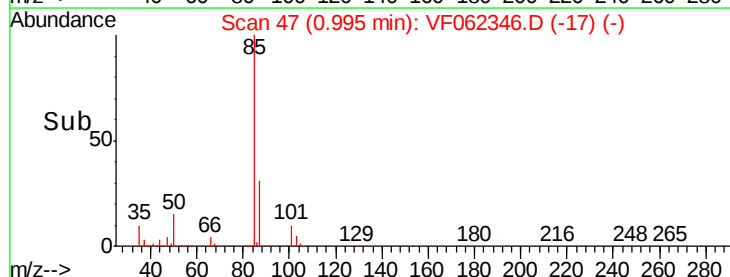
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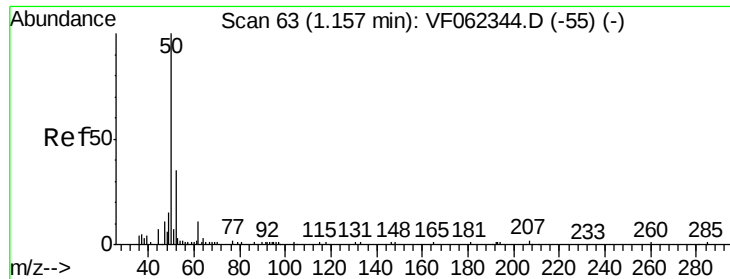
40000

20000

0

Time-->





#3

Chloromethane

Concen: 64.846 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

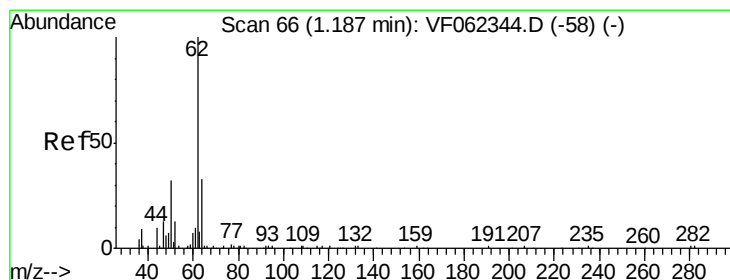
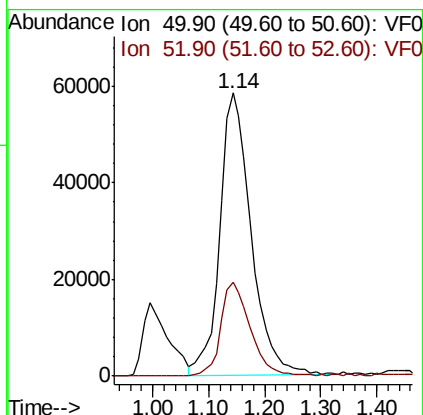
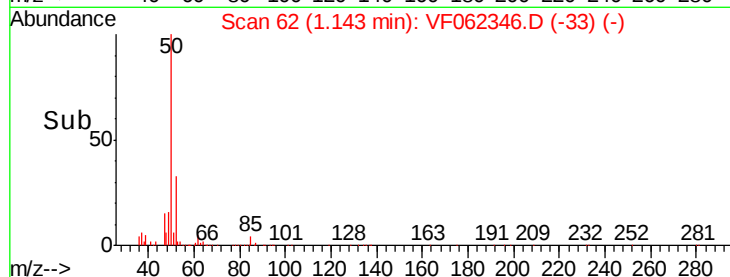
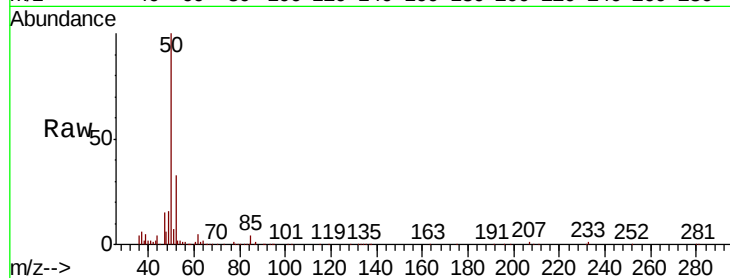
VSTDIC100

Tot Ion: 50 Resp: 226363

Ion Ratio Lower Upper

50 100

52 33.0 26.1 39.1



#4

Vinyl Chloride

Concen: 66.911 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062346.D

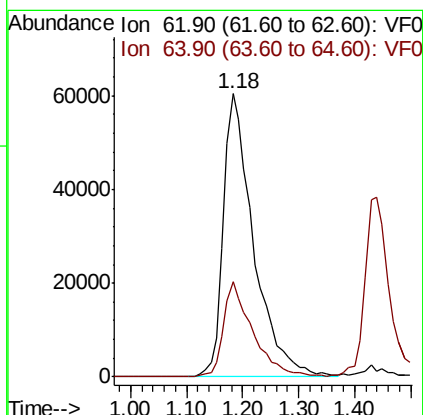
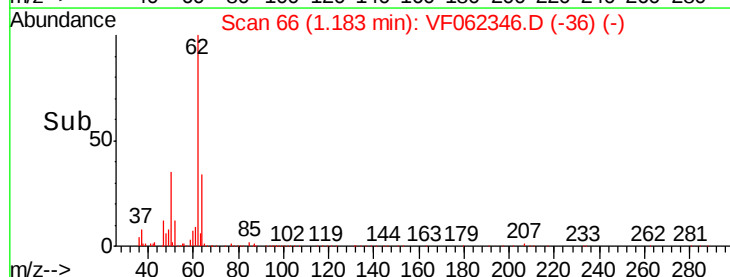
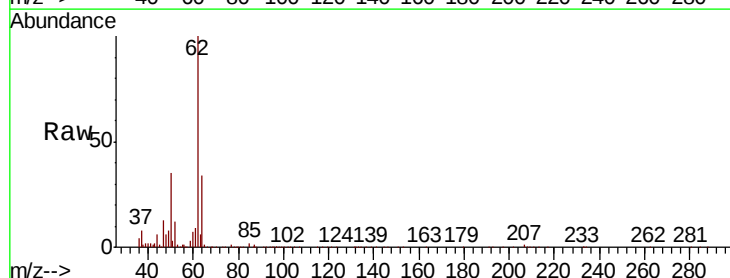
Acq: 6 May 2019 20:04

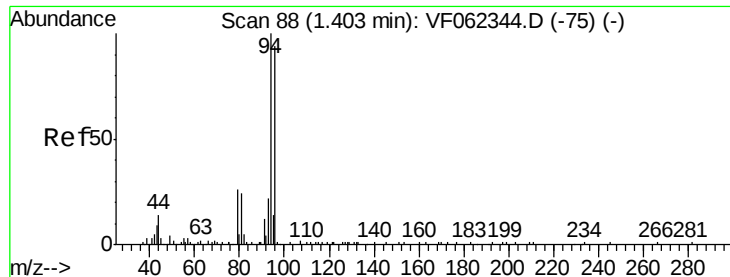
Tgt Ion: 62 Resp: 226319

Ion Ratio Lower Upper

62 100

64 33.7 26.1 39.1





#5

Bromomethane

Concen: 71.462 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

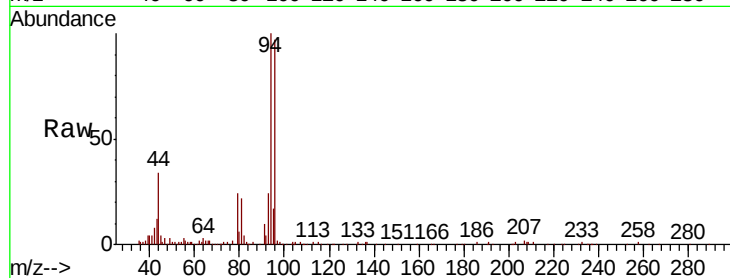
VSTDIC100

Tot Ion: 94 Resp: 175955

Ion Ratio Lower Upper

94 100

96 96.0 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.38

40000

30000

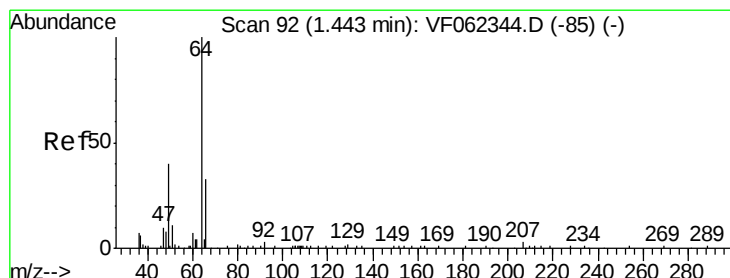
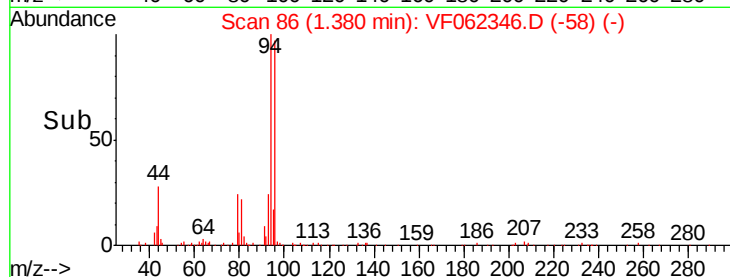
20000

10000

0

Time-->

1.20 1.40 1.60



#6

Chloroethane

Concen: 71.738 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062346.D

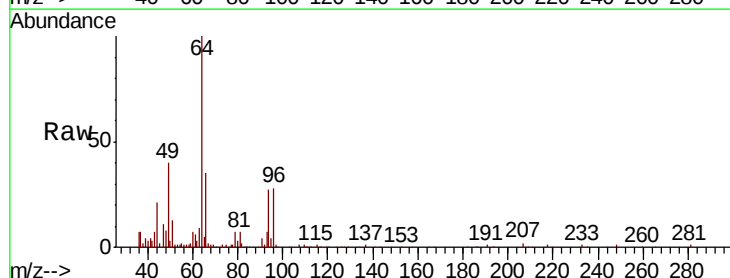
Acq: 6 May 2019 20:04

Tgt Ion: 64 Resp: 113126

Ion Ratio Lower Upper

64 100

66 34.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

1.44

40000

30000

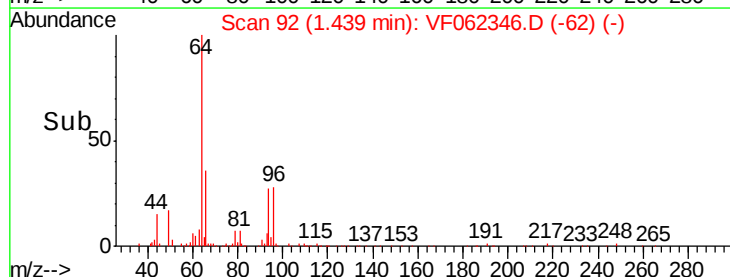
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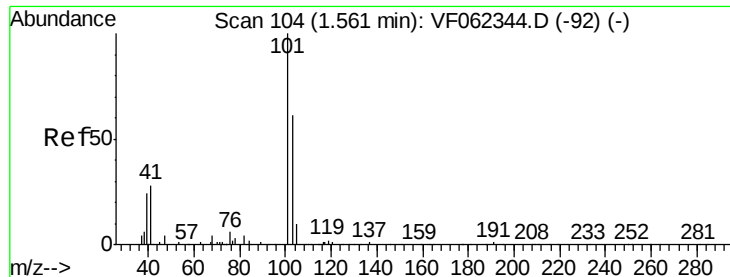
10000

0

Time-->

1.30 1.40 1.50 1.60 1.70



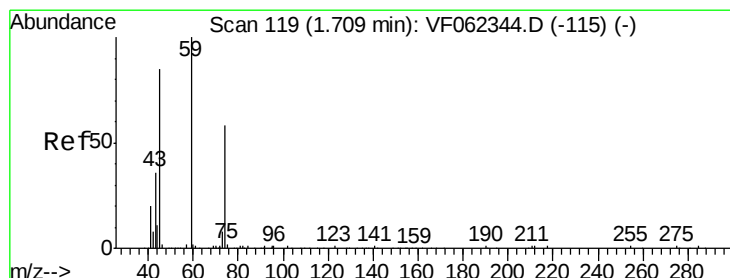
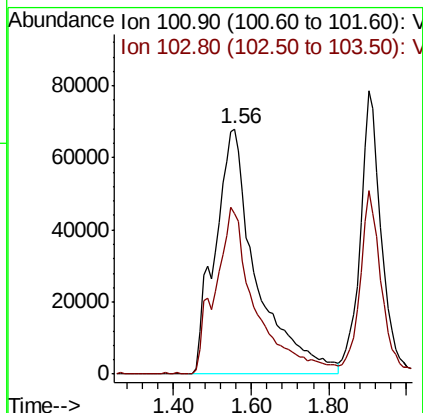
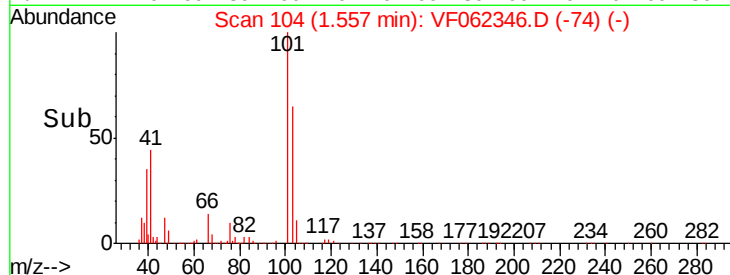
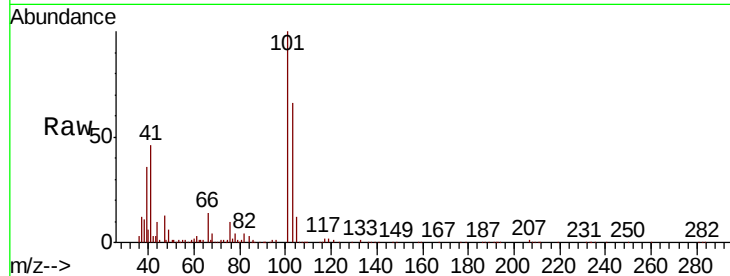


#7

Trichlorofluoromethane
Concen: 84.108 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

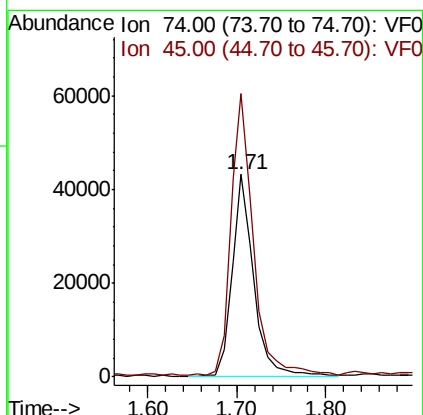
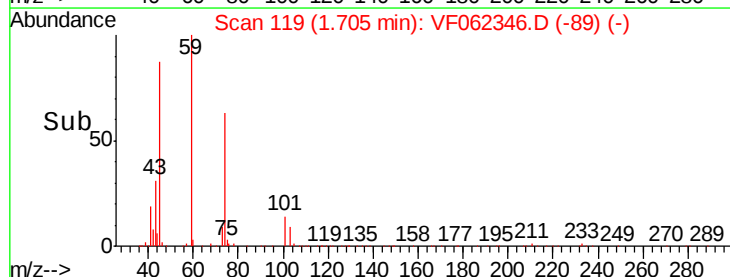
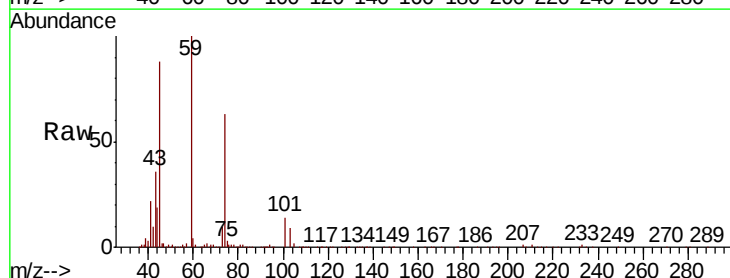
Tot Ion:101 Resp: 503026
Ion Ratio Lower Upper
101 100
103 65.3 48.5 72.7



#8

Diethyl Ether
Concen: 71.776 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion: 74 Resp: 71605
Ion Ratio Lower Upper
74 100
45 147.8 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 79.888 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

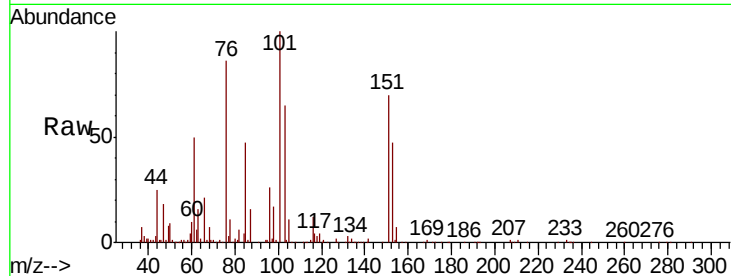
Tot Ion:101 Resp: 288122

Ion Ratio Lower Upper

101 100

85 48.4 39.5 59.3

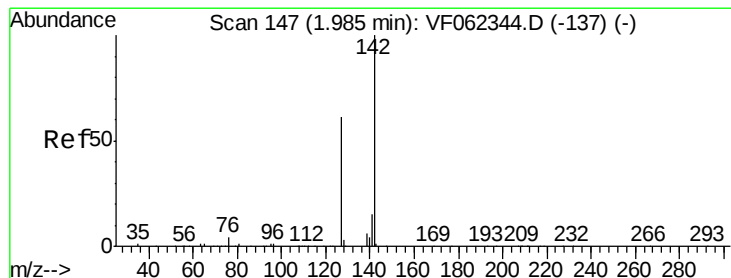
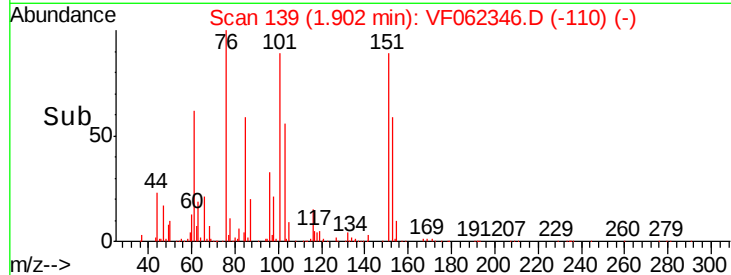
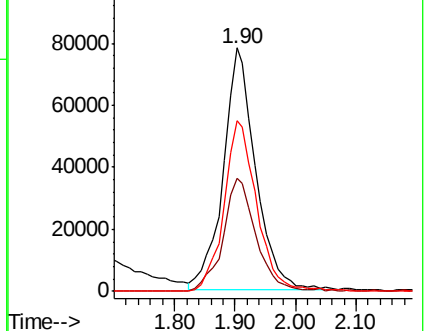
151 71.8 59.9 89.9



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: 75.091 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

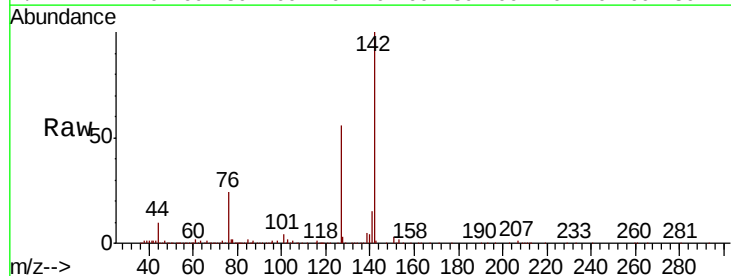
Tgt Ion:142 Resp: 465122

Ion Ratio Lower Upper

142 100

127 59.3 48.4 72.6

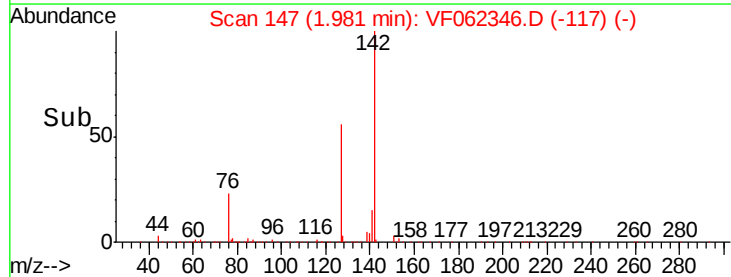
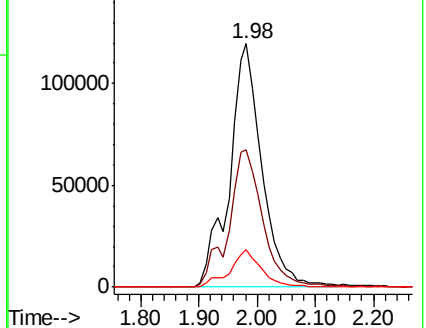
141 15.0 12.2 18.4

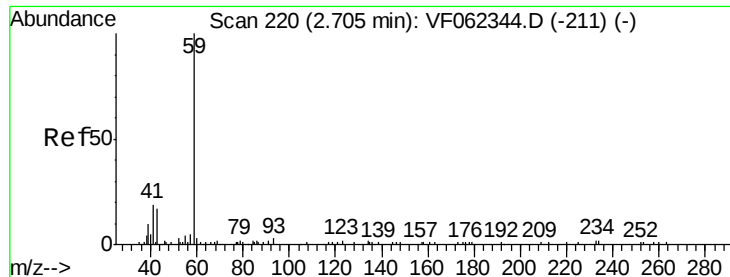


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



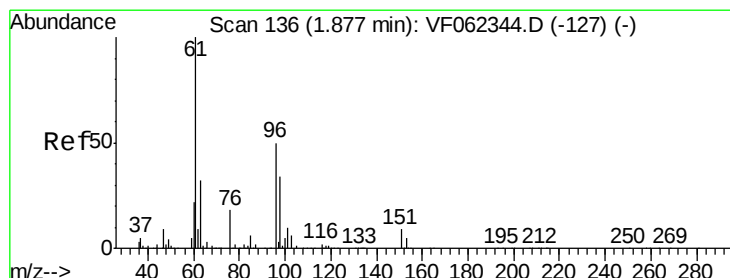
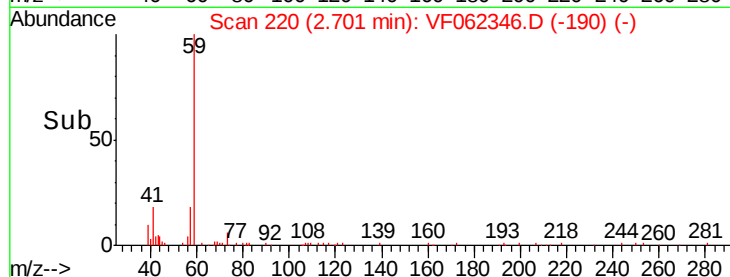
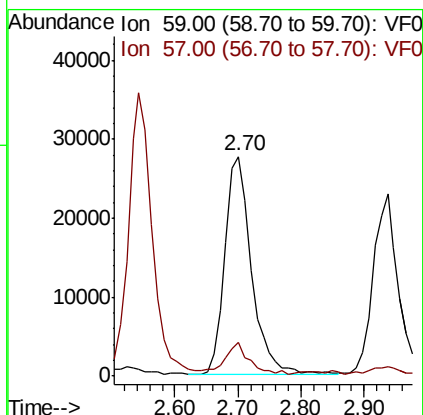
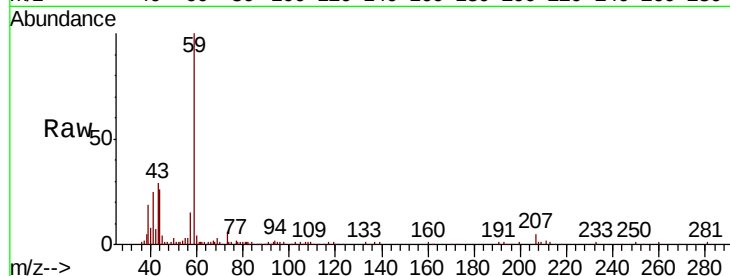


#11

Tert butyl alcohol
 Concen: 417.513 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

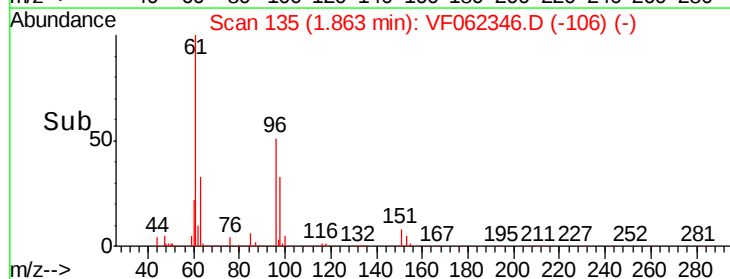
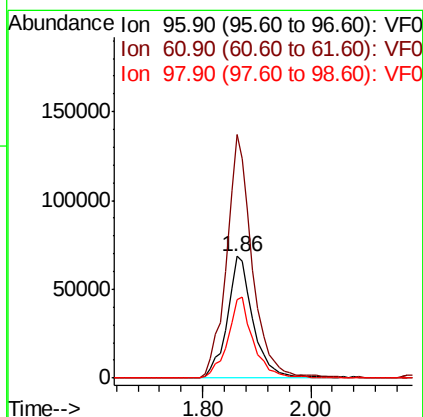
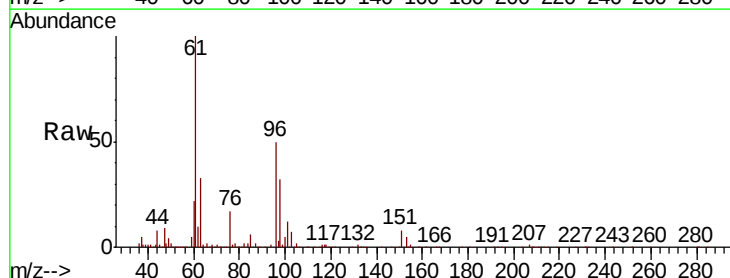
Tot Ion: 59 Resp: 81128
 Ion Ratio Lower Upper
 59 100
 57 13.4 9.3 13.9

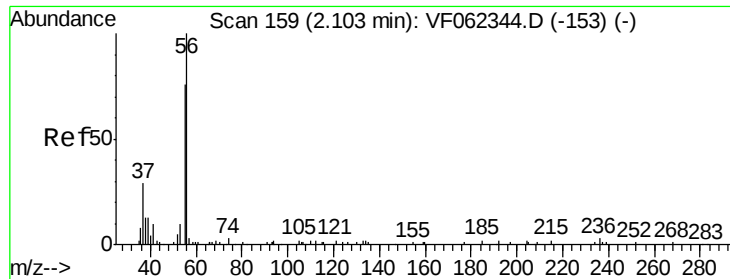


#12

1,1-Dichloroethene
 Concen: 71.729 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion: 96 Resp: 226535
 Ion Ratio Lower Upper
 96 100
 61 200.3 163.2 244.8
 98 64.5 55.2 82.8

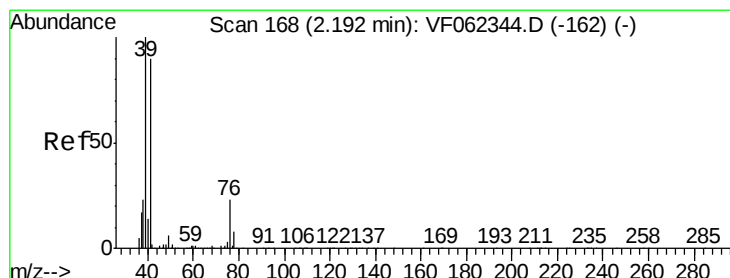
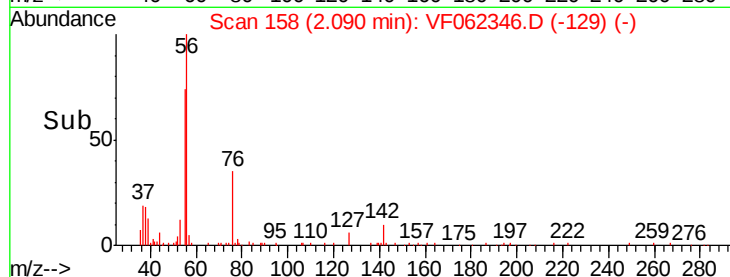
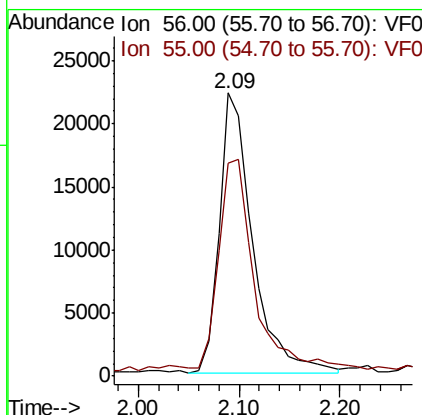
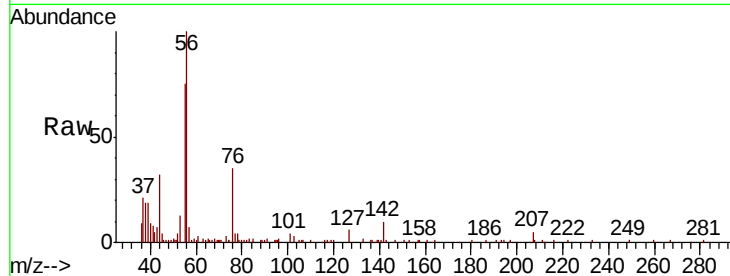




#13
Acrolein
Concen: 352.192 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

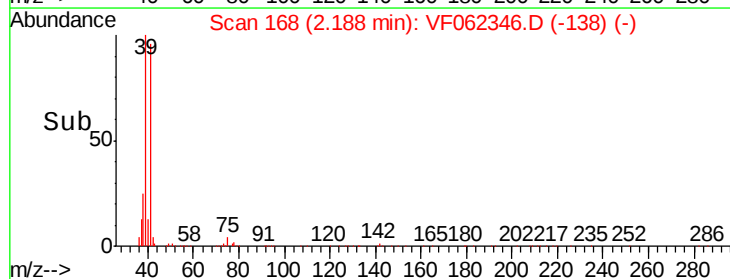
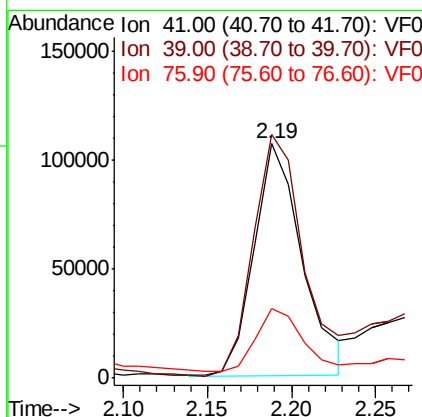
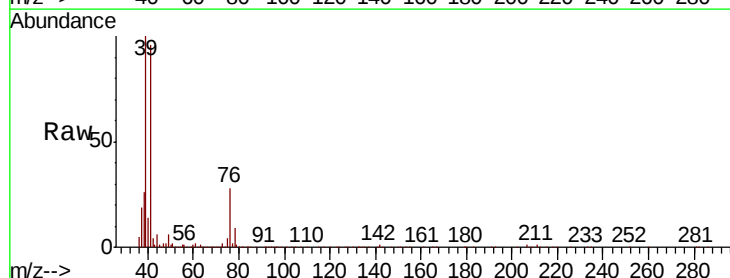
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

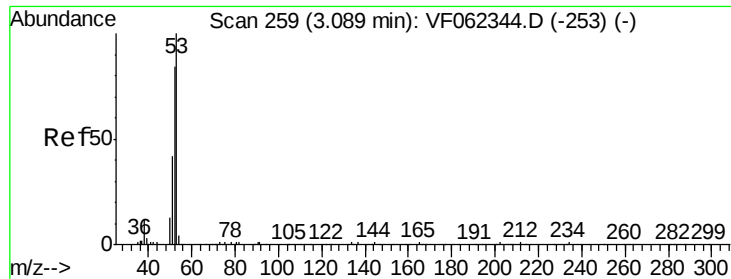
Tot Ion: 56 Resp: 51433
Ion Ratio Lower Upper
56 100
55 79.5 58.4 87.6



#14
Allyl chloride
Concen: 65.936 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion: 41 Resp: 211766
Ion Ratio Lower Upper
41 100
39 108.4 90.8 136.2
76 27.0 22.2 33.4





#15

Acrylonitrile

Concen: 319.527 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

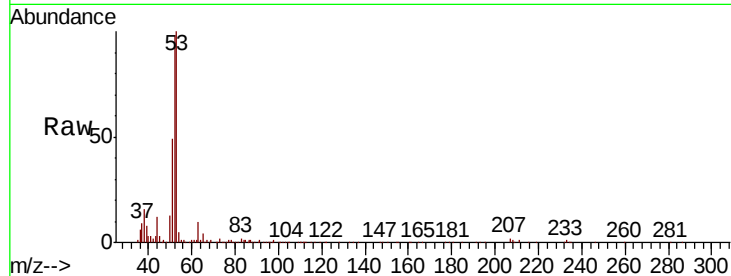
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 156350

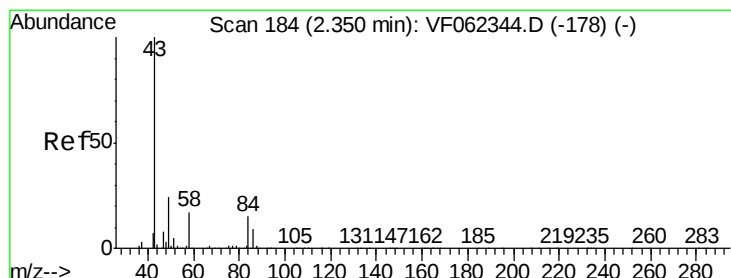
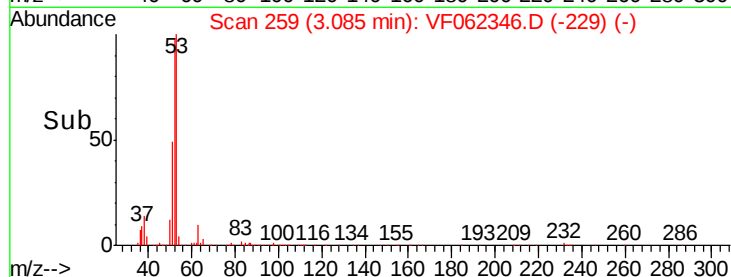
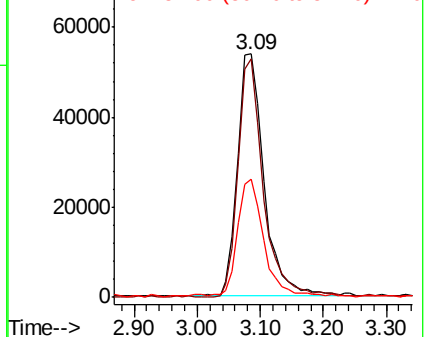
Ion	Ratio	Lower	Upper
53	100		
52	94.8	77.2	115.8
51	46.7	40.6	61.0



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 399.035 ug/l

RT: 2.35 min Scan# 184

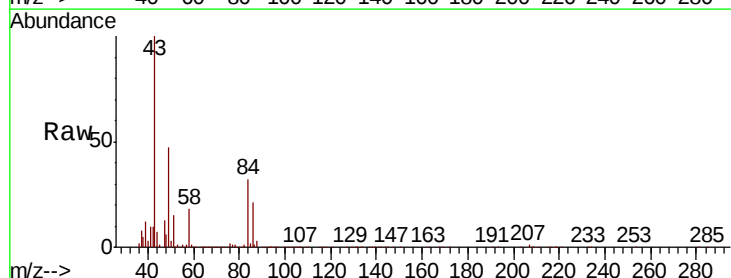
Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

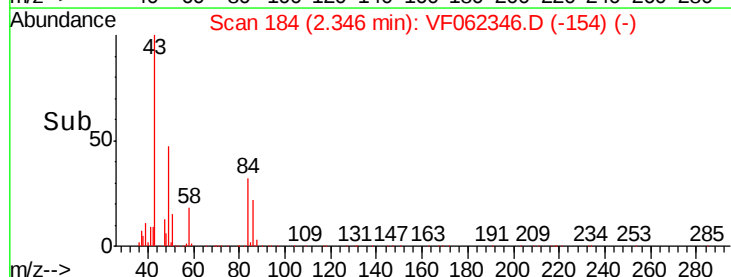
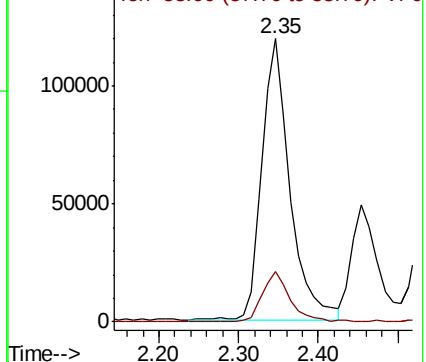
Tgt Ion: 43 Resp: 290627

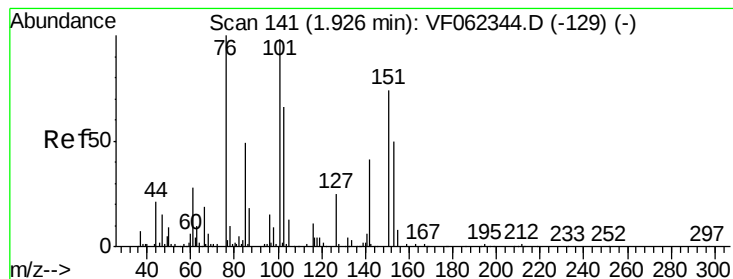
Ion	Ratio	Lower	Upper
43	100		
58	17.9	13.1	19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 55.518 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

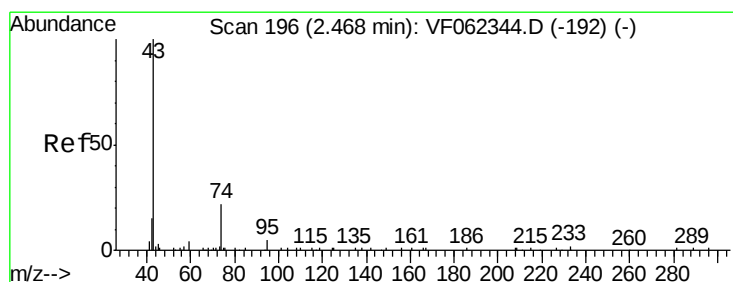
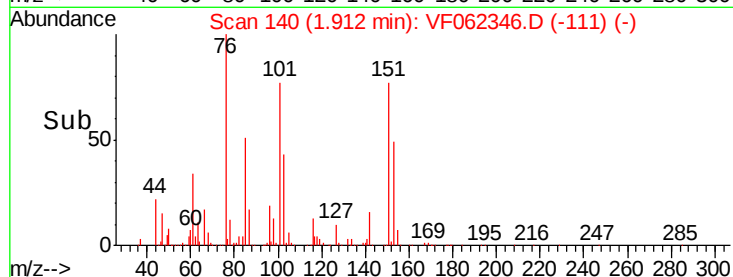
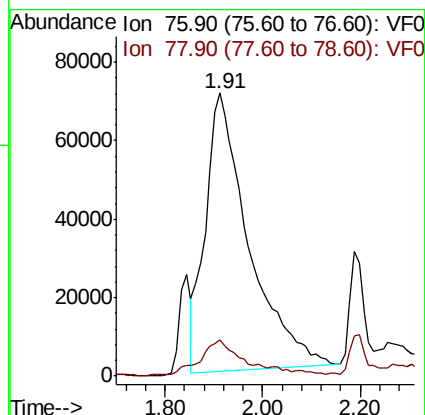
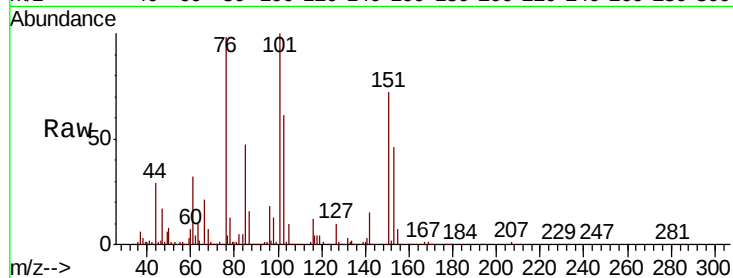
VSTDIC100

Tot Ion: 76 Resp: 438599

Ion Ratio Lower Upper

76 100

78 12.6 9.0 13.4



#18

Methyl Acetate

Concen: 73.407 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062346.D

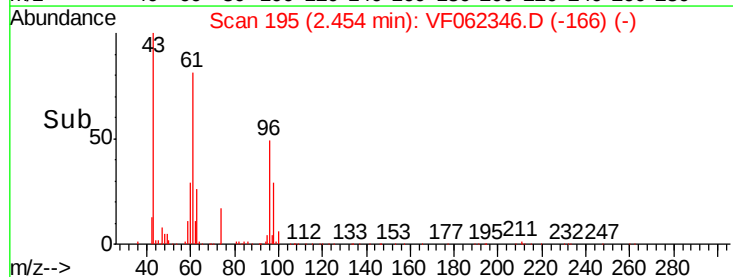
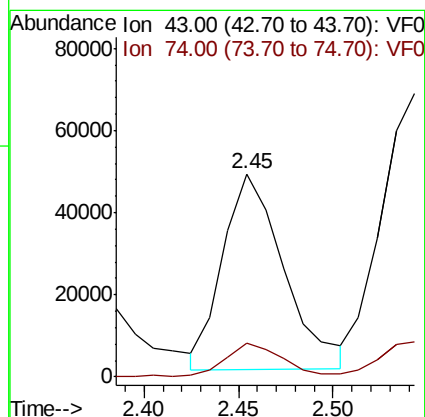
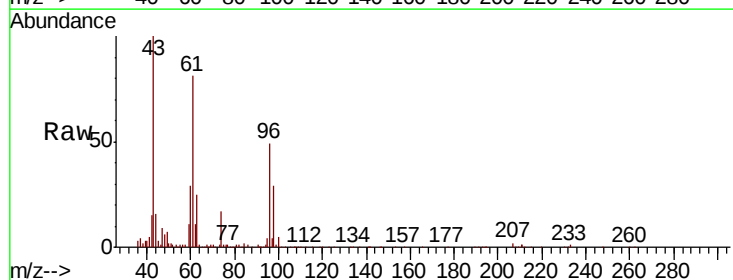
Acq: 6 May 2019 20:04

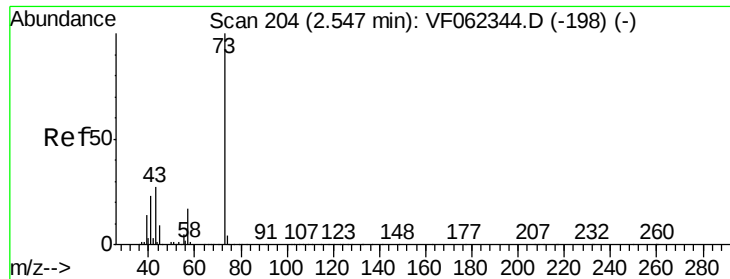
Tgt Ion: 43 Resp: 107452

Ion Ratio Lower Upper

43 100

74 16.6 15.0 22.4



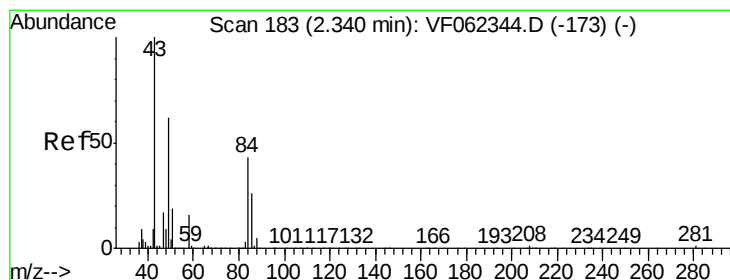
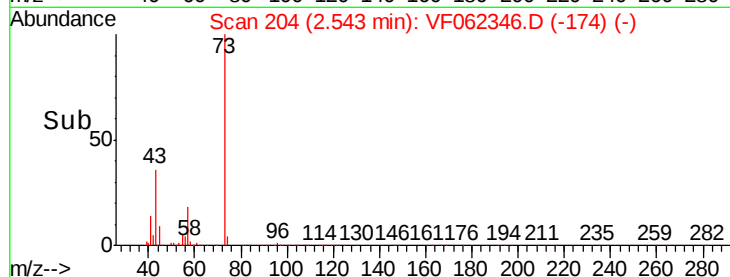
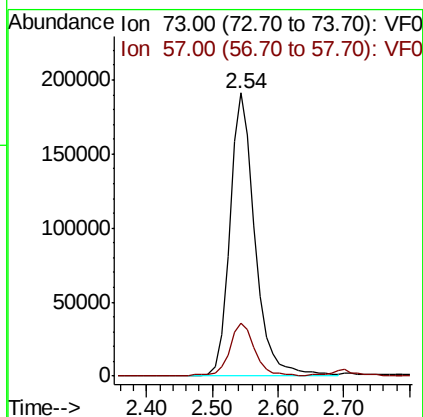
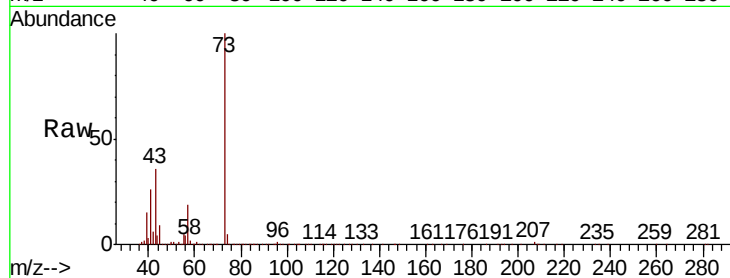


#19

Methyl tert-butyl Ether
 Concen: 80.660 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

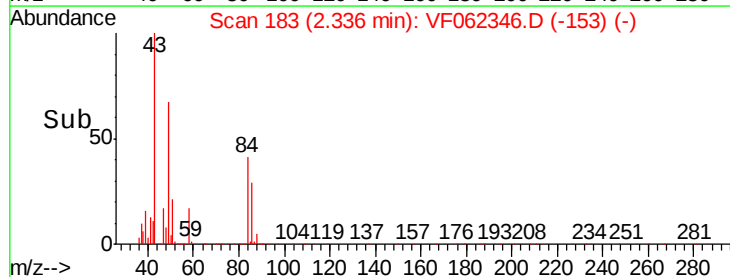
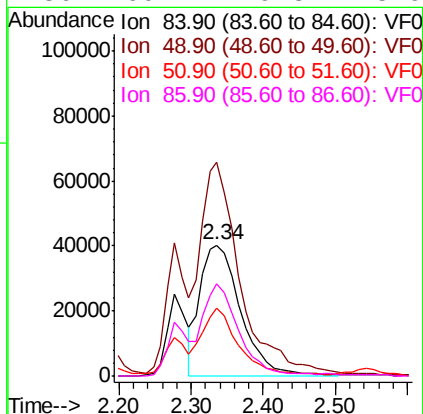
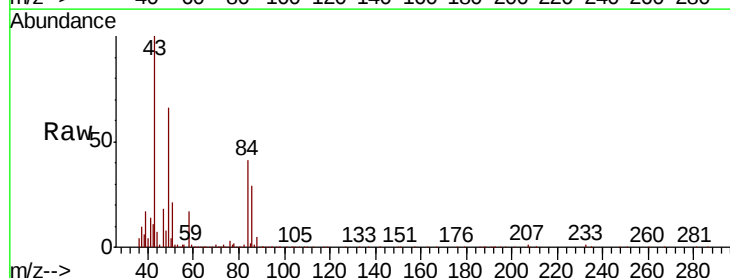
Tot Ion: 73 Resp: 502319
 Ion Ratio Lower Upper
 73 100
 57 18.6 13.7 20.5

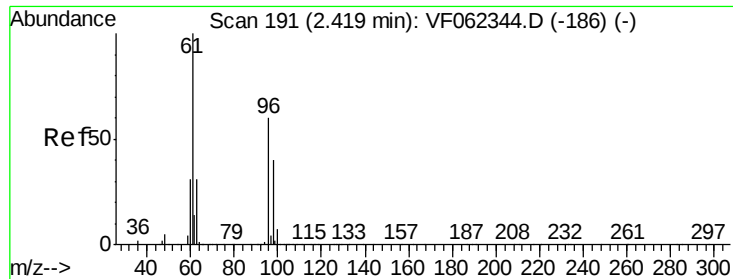


#20

Methylene Chloride
 Concen: 44.560 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion: 84 Resp: 157354
 Ion Ratio Lower Upper
 84 100
 49 161.2 117.5 176.3
 51 50.7 37.0 55.4
 86 69.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 73.028 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

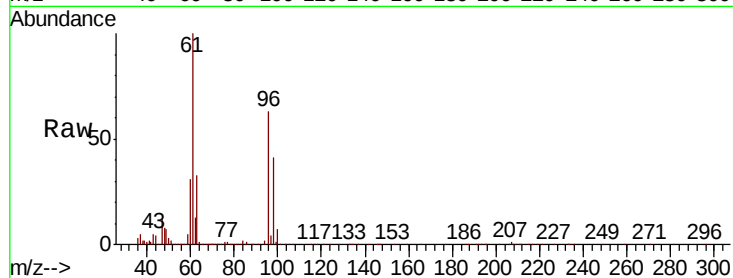
Tot Ion: 96 Resp: 225658

Ion Ratio Lower Upper

96 100

61 158.9 133.2 199.8

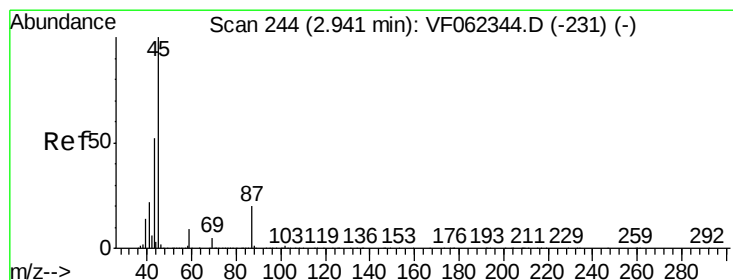
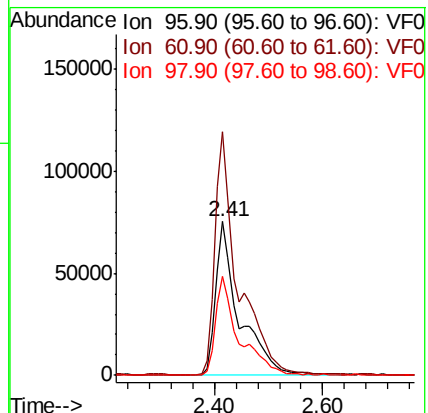
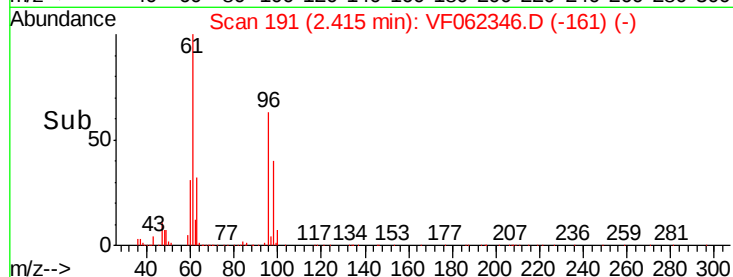
98 64.3 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 72.285 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Tgt Ion: 45 Resp: 676011

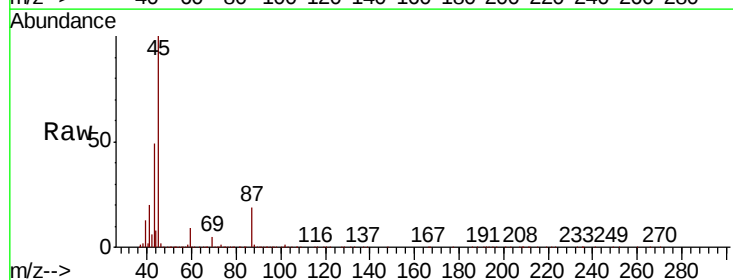
Ion Ratio Lower Upper

45 100

43 48.4 41.4 62.0

87 19.0 15.8 23.6

59 8.6 7.2 10.8

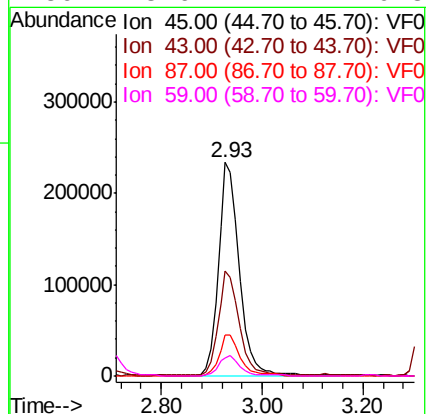
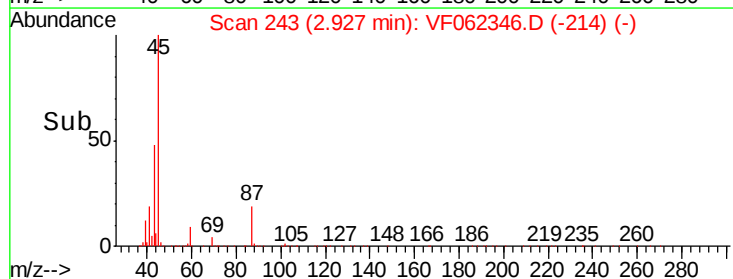


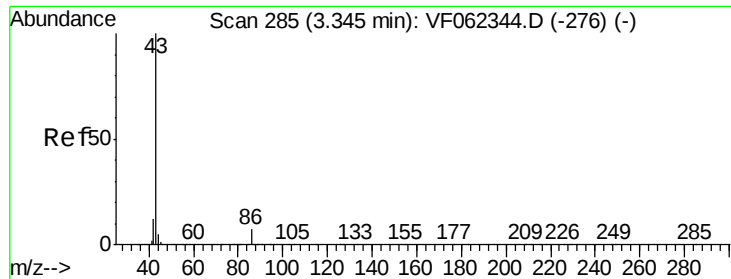
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

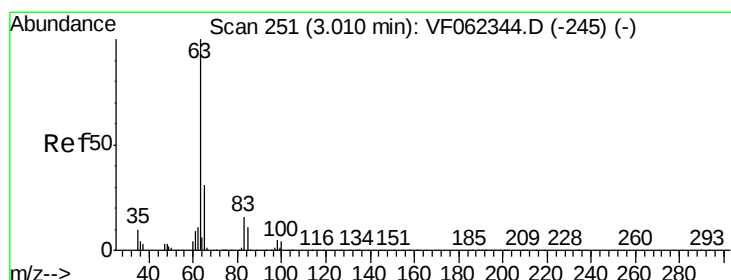
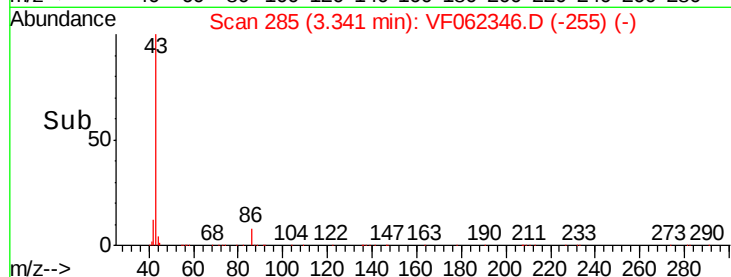
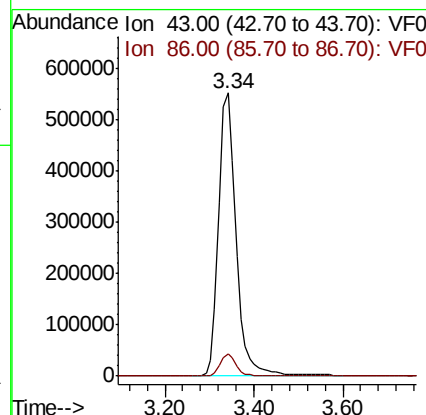
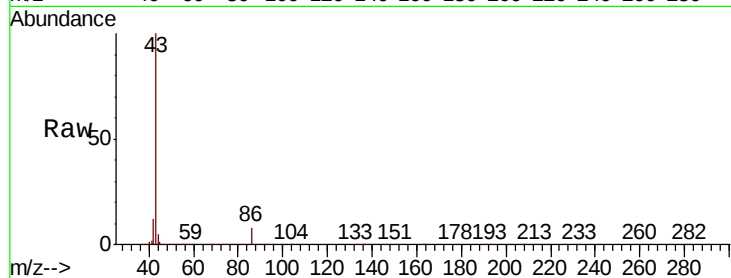




#23
 Vinyl Acetate
 Concen: 359.798 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

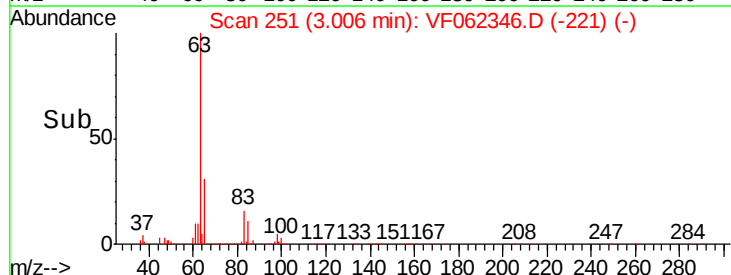
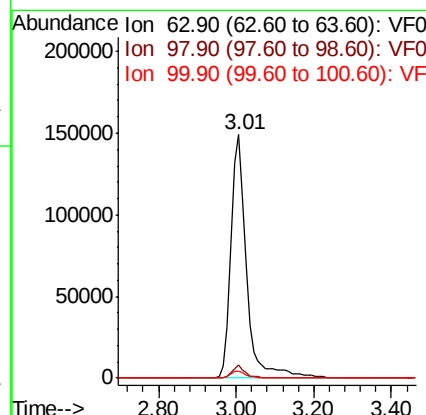
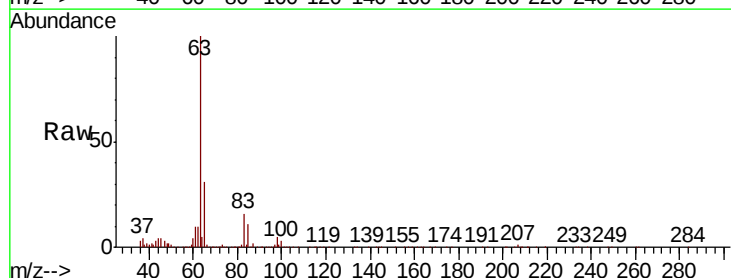
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

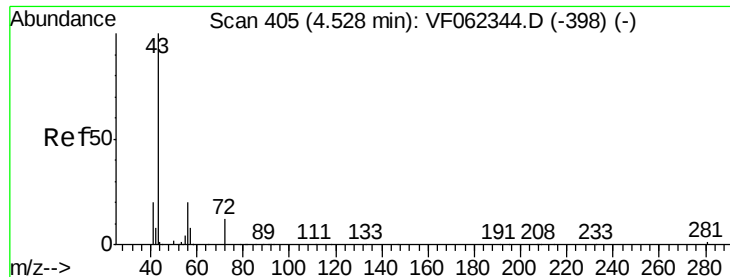
Tot Ion: 43 Resp: 1504523
 Ion Ratio Lower Upper
 43 100
 86 7.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 76.072 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion: 63 Resp: 412464
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.6 8.0
 100 3.0 1.8 5.4





#25

2-Butanone

Concen: 348.518 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

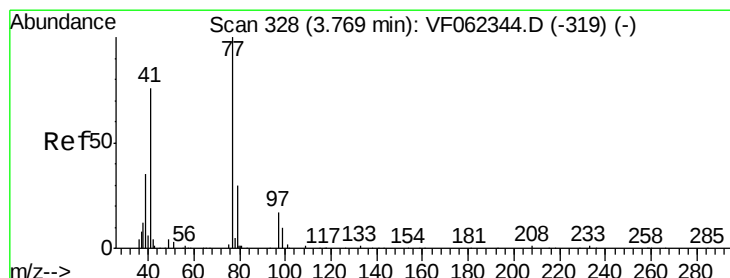
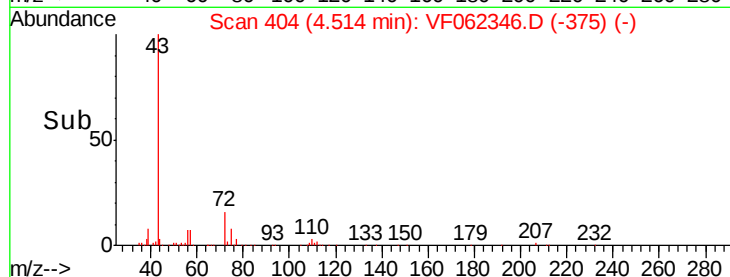
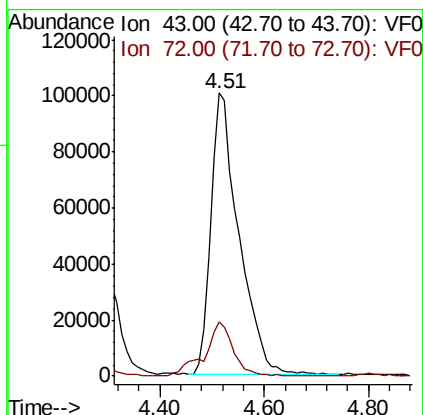
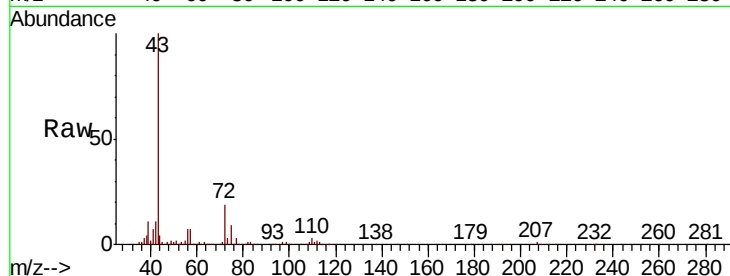
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 372719

Ion Ratio Lower Upper

43 100

72 19.0 14.2 21.4



#26

2,2-Dichloropropane

Concen: 71.851 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF062346.D

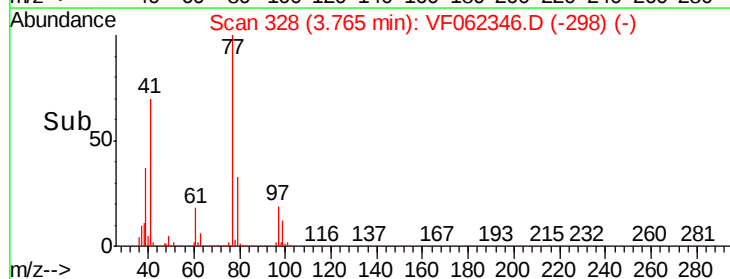
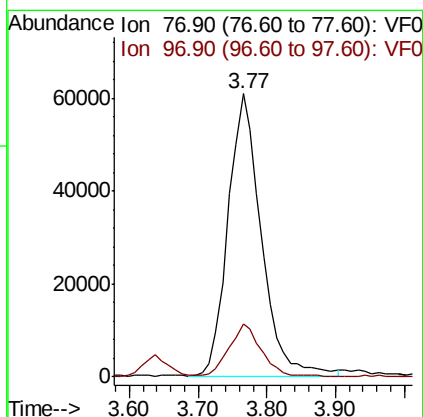
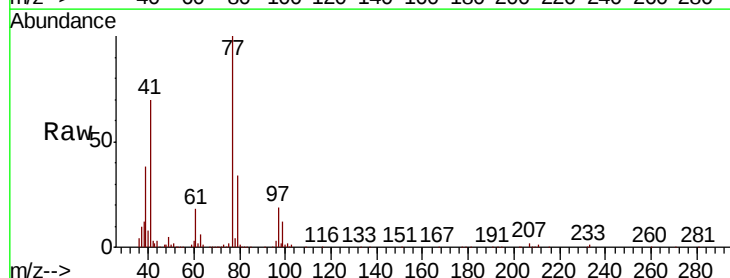
Acq: 6 May 2019 20:04

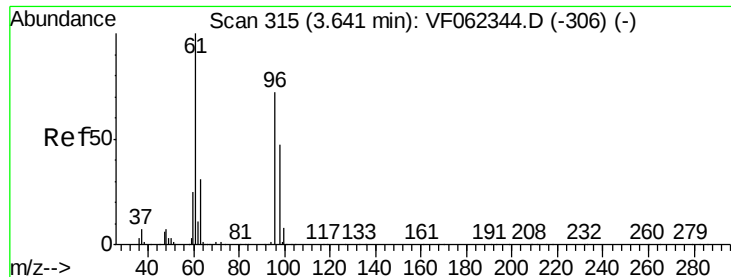
Tgt Ion: 77 Resp: 203643

Ion Ratio Lower Upper

77 100

97 18.4 9.5 28.5



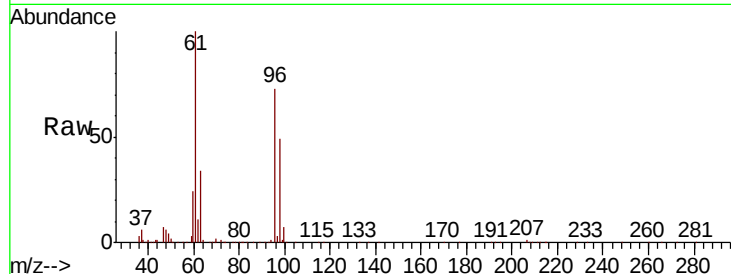


#27

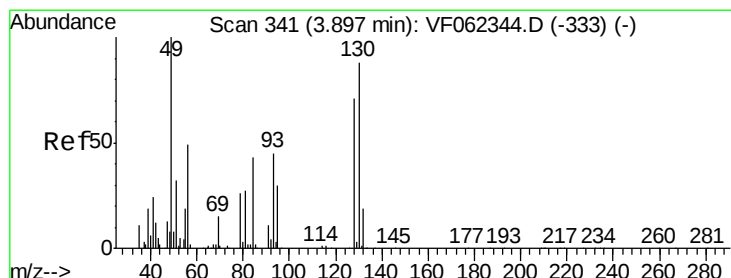
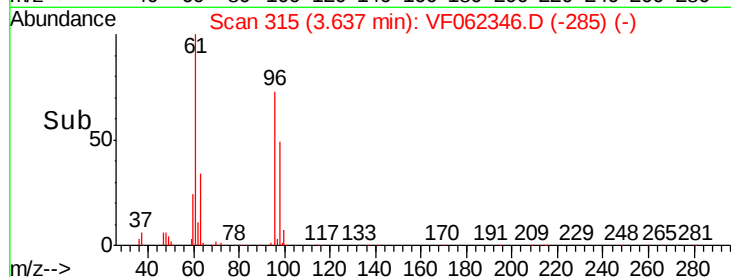
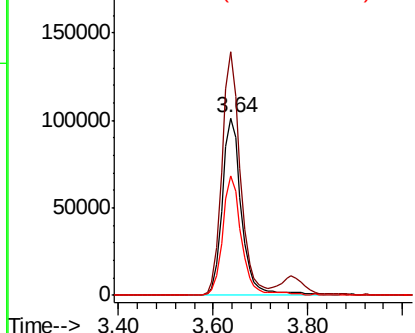
cis-1,2-Dichloroethene
Concen: 72.032 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	263.0
98	66.4	0.0	130.8



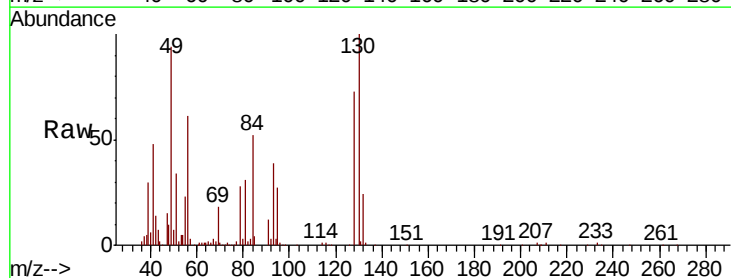
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



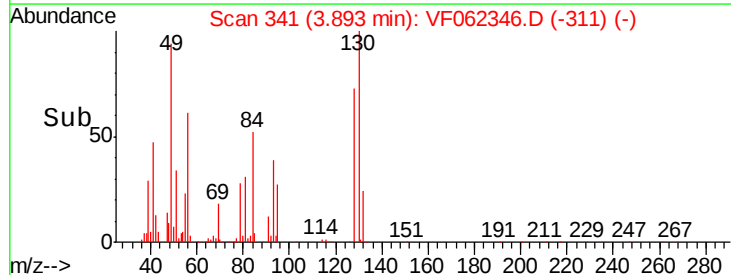
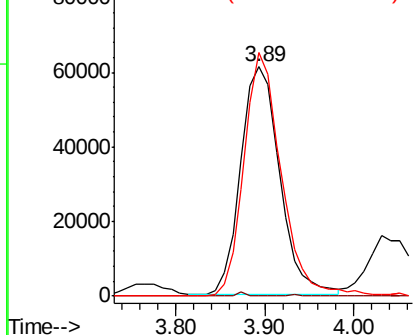
#28

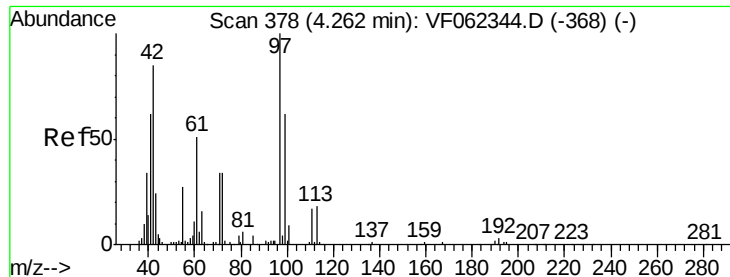
Bromochloromethane
Concen: 77.381 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.2
130	102.5	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: 322.481 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

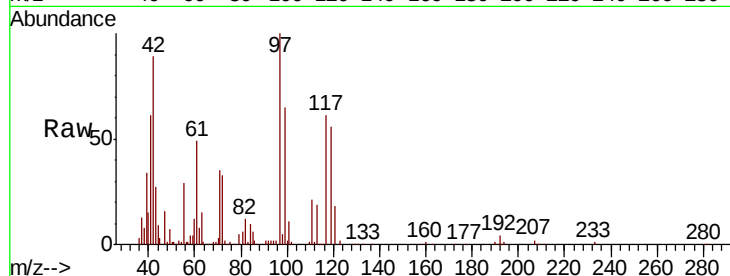
Tot Ion: 42 Resp: 150427

Ion Ratio Lower Upper

42 100

72 36.0 31.4 47.0

71 39.5 31.7 47.5

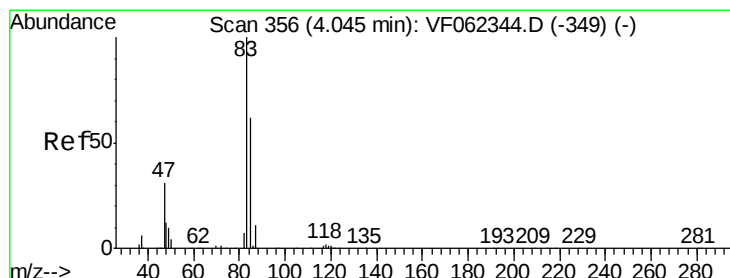
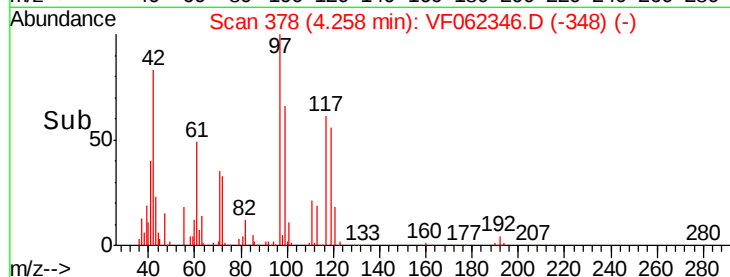
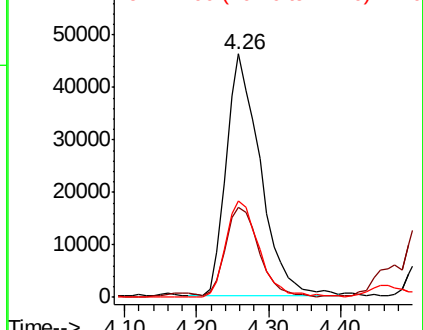


Abundance

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: 77.501 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062346.D

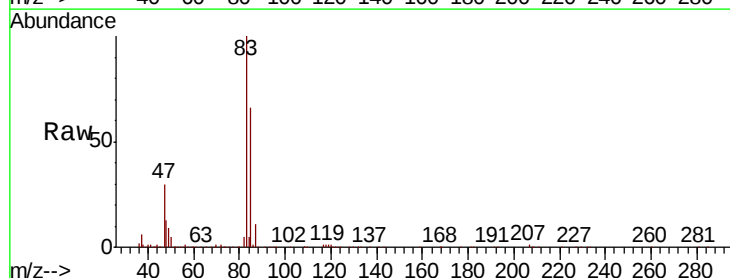
Acq: 6 May 2019 20:04

Tgt Ion: 83 Resp: 541739

Ion Ratio Lower Upper

83 100

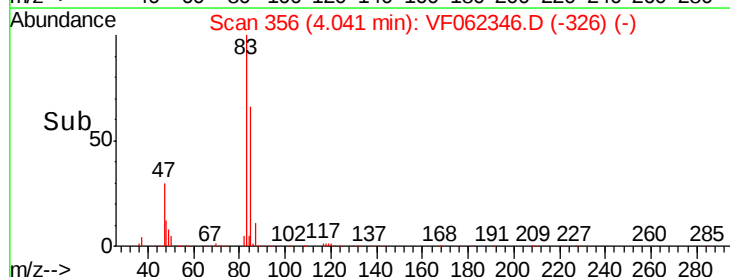
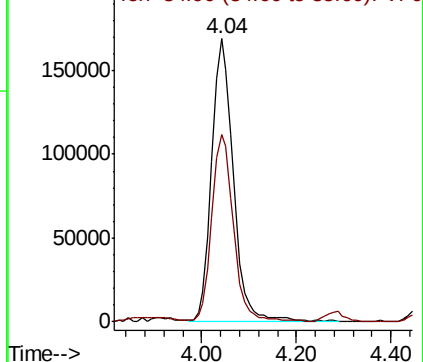
85 65.7 49.6 74.4

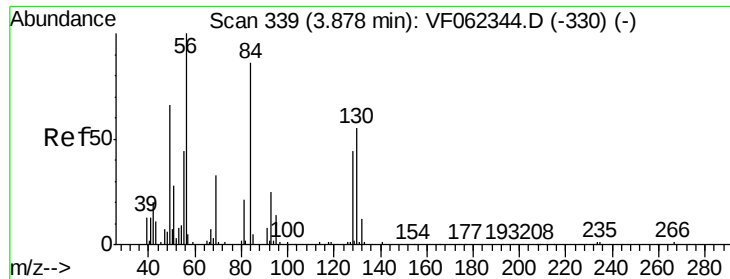


Abundance

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

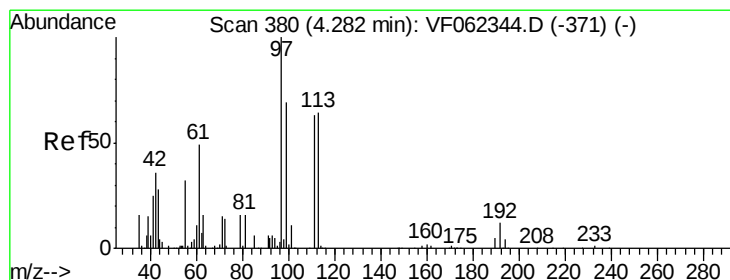
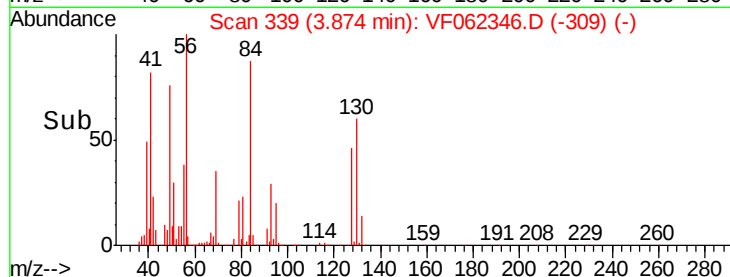
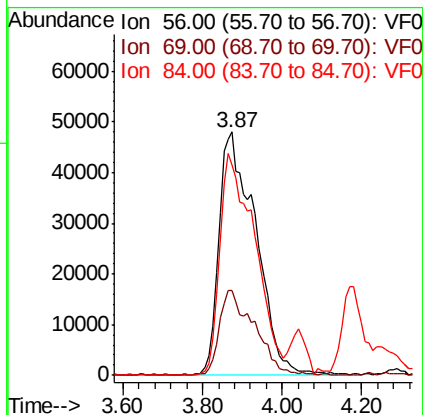
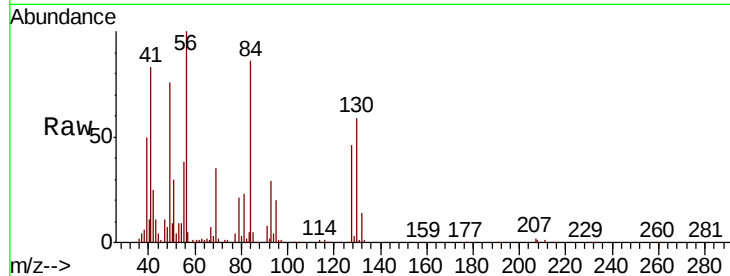




#31
Cyclohexane
Concen: 63.430 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

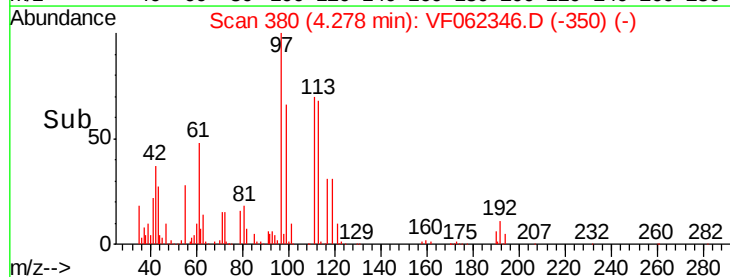
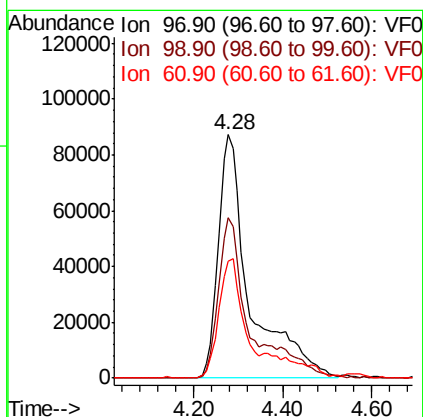
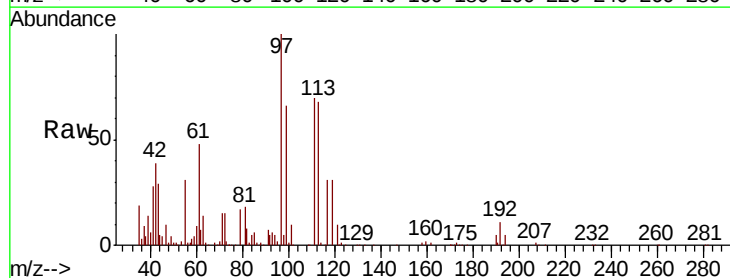
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

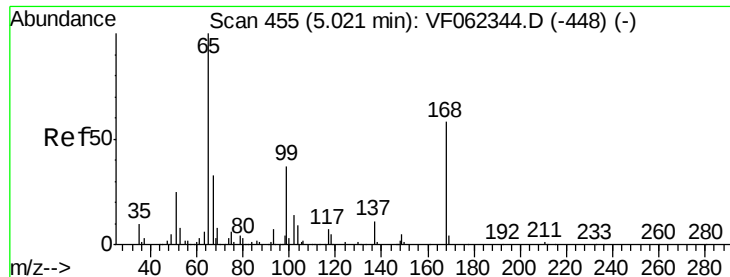
Tot Ion: 56 Resp: 308085
Ion Ratio Lower Upper
56 100
69 34.7 26.4 39.6
84 86.5 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 84.064 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion: 97 Resp: 431521
Ion Ratio Lower Upper
97 100
99 64.7 52.6 78.8
61 36.8 39.4 59.0#





#33

1,2-Dichloroethane-d4

Concen: 90.863 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

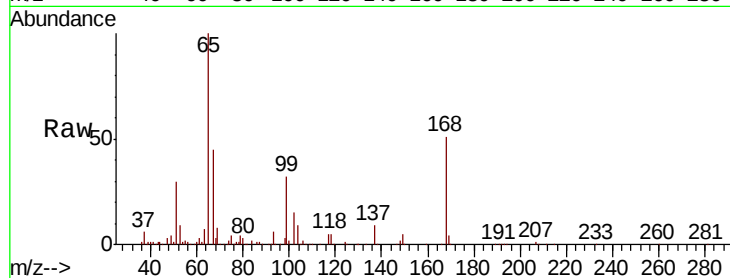
VSTDIC100

Tot Ion: 65 Resp: 319670

Ion Ratio Lower Upper

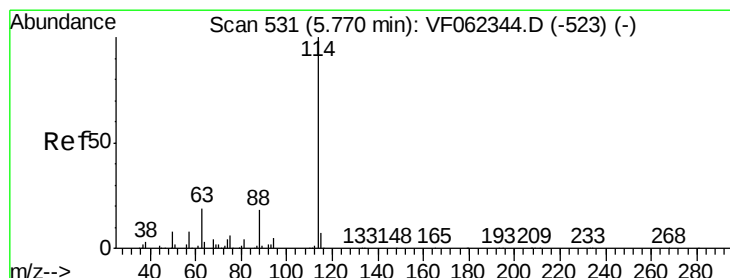
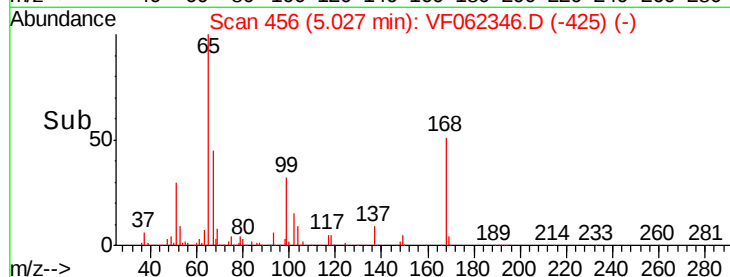
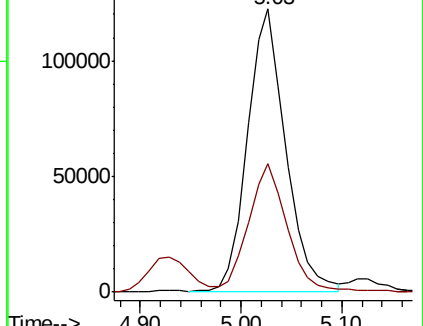
65 100

67 46.6 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: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

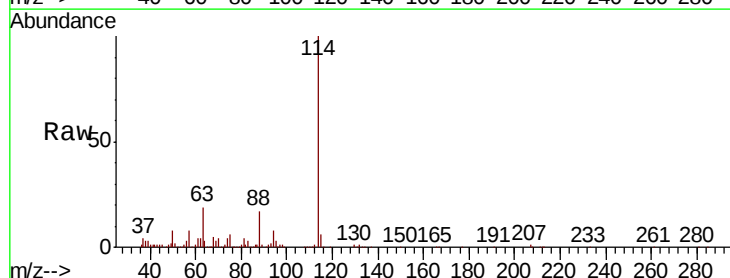
Tgt Ion: 114 Resp: 446706

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

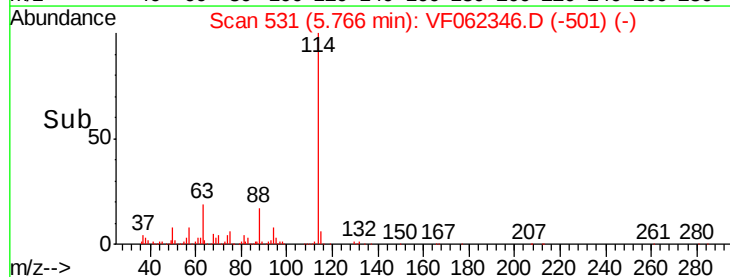
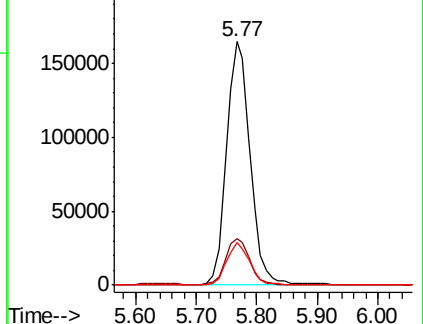
88 17.4 0.0 36.4

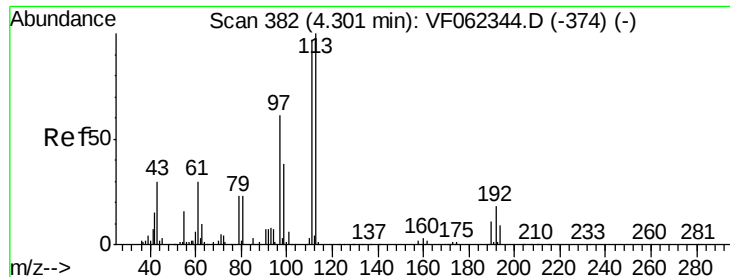


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 80.727 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

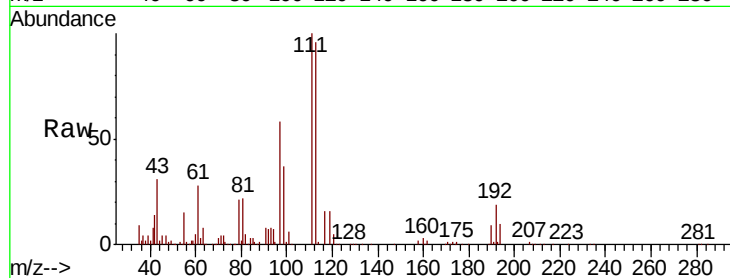
Tot Ion:113 Resp: 346856

Ion Ratio Lower Upper

113 100

111 100.4 79.4 119.0

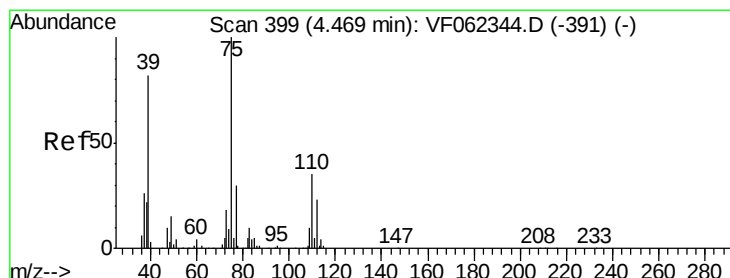
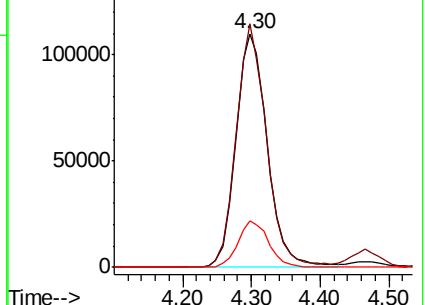
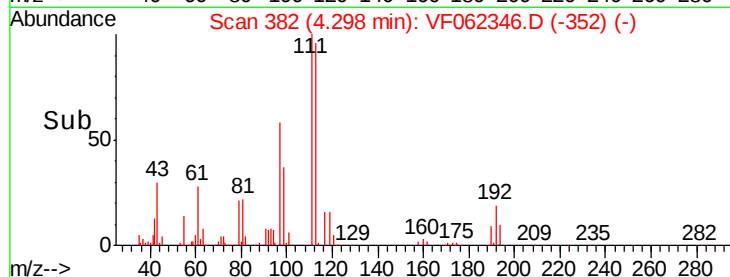
192 19.9 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 70.404 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

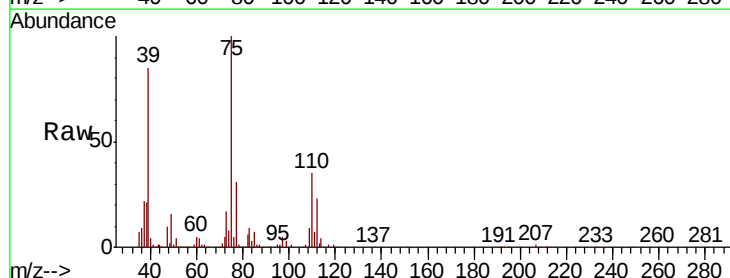
Tgt Ion: 75 Resp: 349350

Ion Ratio Lower Upper

75 100

110 35.3 17.2 51.5

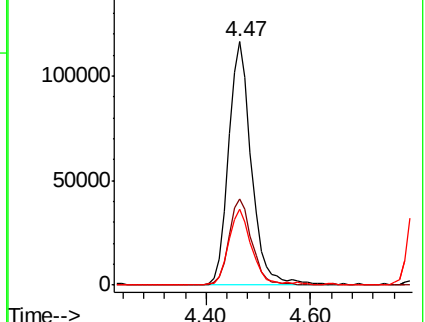
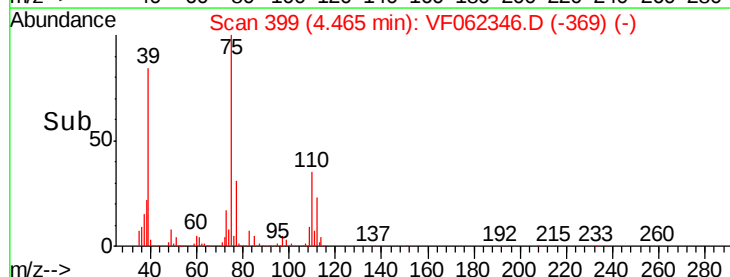
77 31.3 25.2 37.8

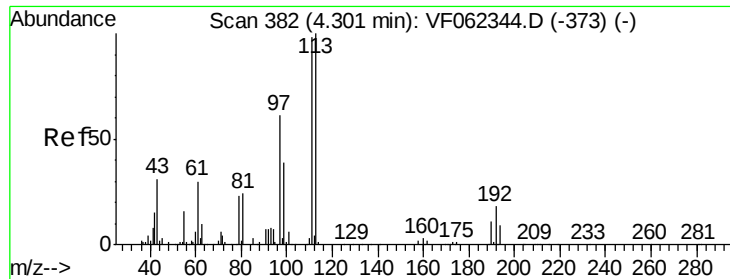


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

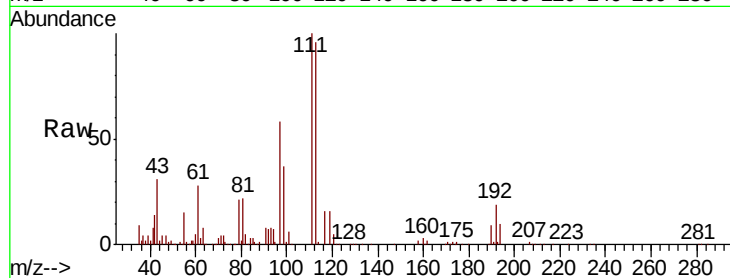




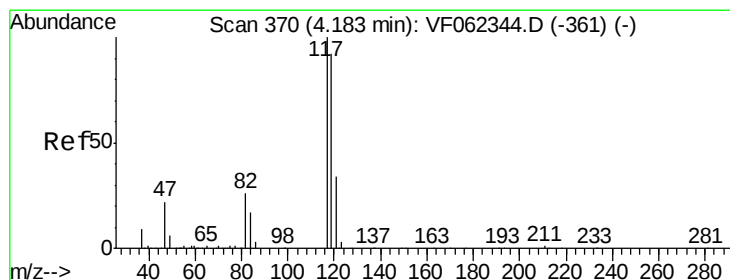
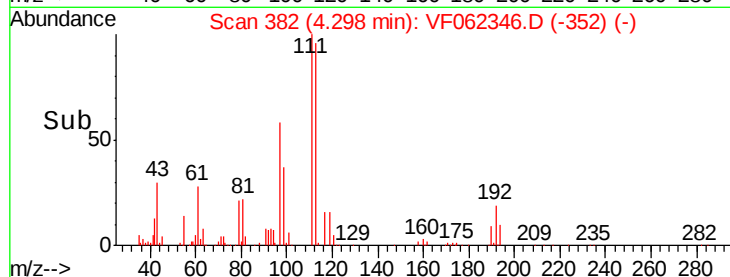
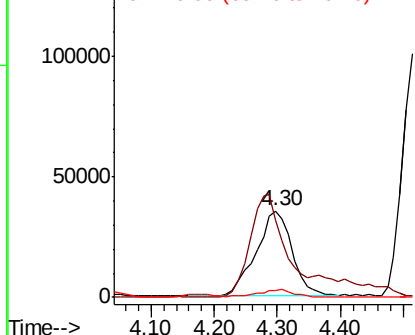
#37
Ethyl Acetate
Concen: 67.676 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 140644
Ion Ratio Lower Upper
43 100
61 112.9 0.0 0.0#
70 8.5 8.2 12.2

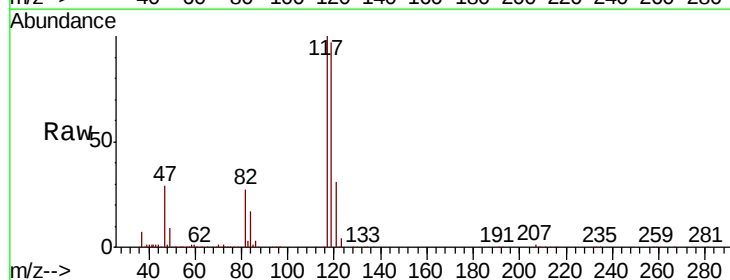


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

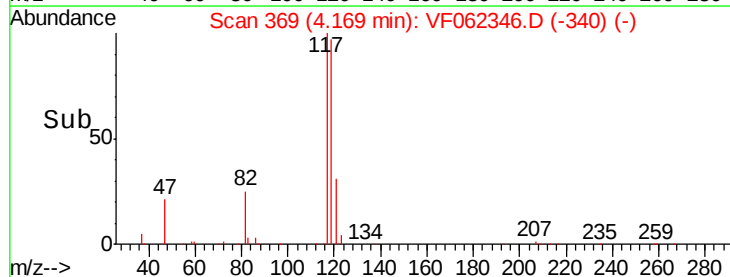
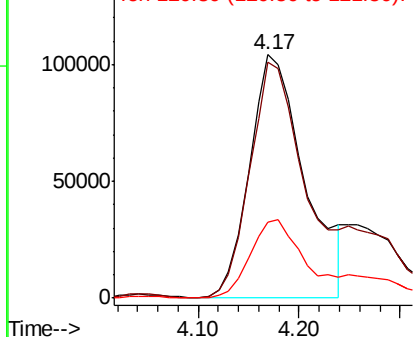


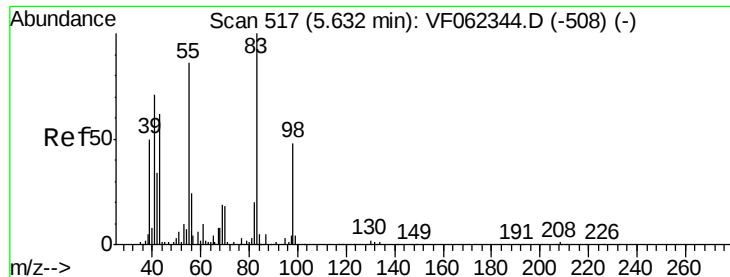
#38
Carbon Tetrachloride
Concen: 77.238 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion: 117 Resp: 393738
Ion Ratio Lower Upper
117 100
119 97.0 73.4 110.2
121 31.3 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

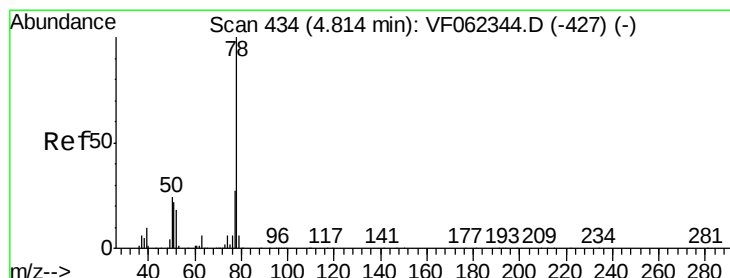
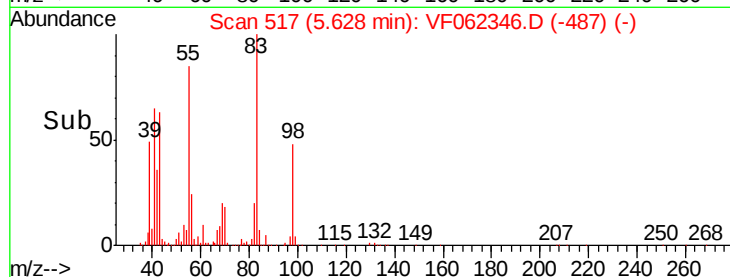
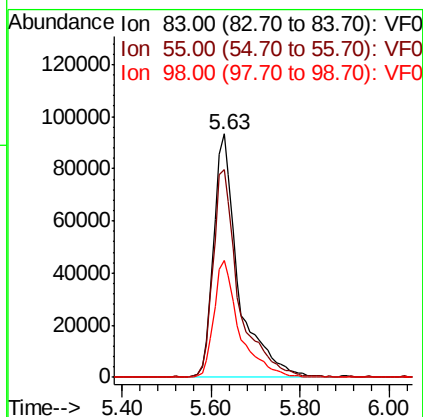
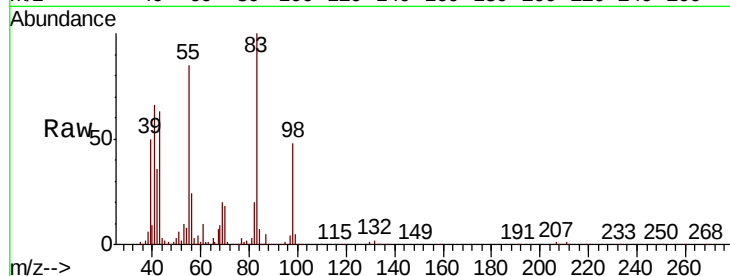




#39
Methvlcvclohexane
Concen: 64.825 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

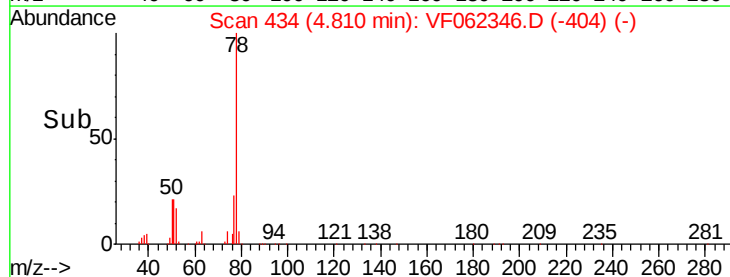
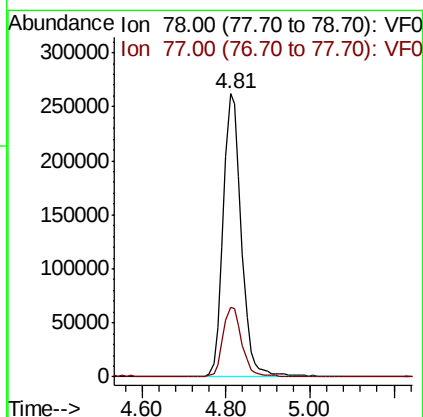
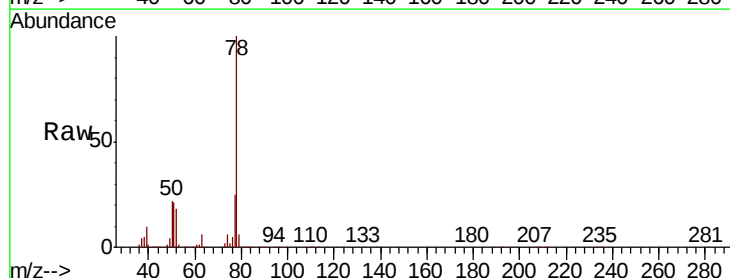
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

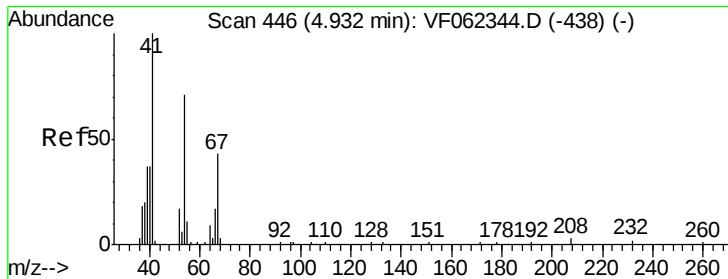
Tot Ion: 83 Resp: 362708
Ion Ratio Lower Upper
83 100
55 85.2 69.0 103.6
98 48.2 38.6 58.0



#40
Benzene
Concen: 68.214 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion: 78 Resp: 787791
Ion Ratio Lower Upper
78 100
77 24.4 21.6 32.4





#41

Methacrylonitrile

Concen: 75.527 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 86874

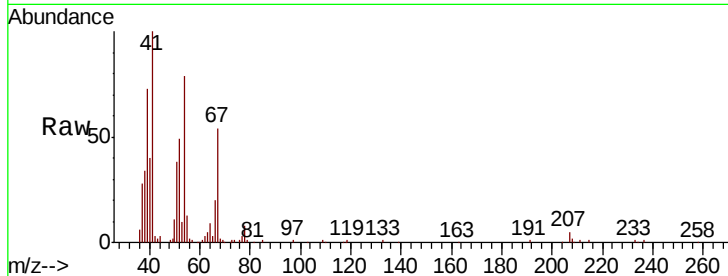
Ion Ratio Lower Upper

41 100

39 70.2 54.3 81.5

67 50.4 37.8 56.8

52 71.2 58.2 87.4

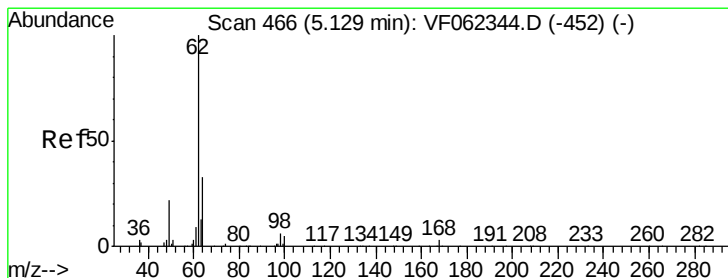
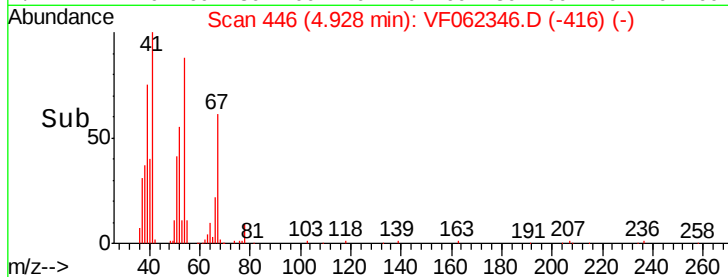
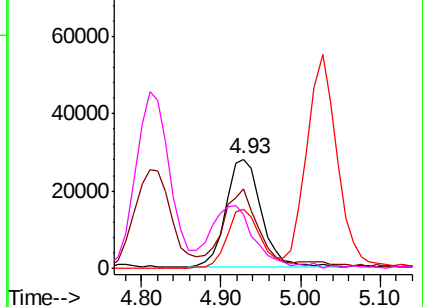


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 82.411 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.00 min

Lab File: VF062346.D

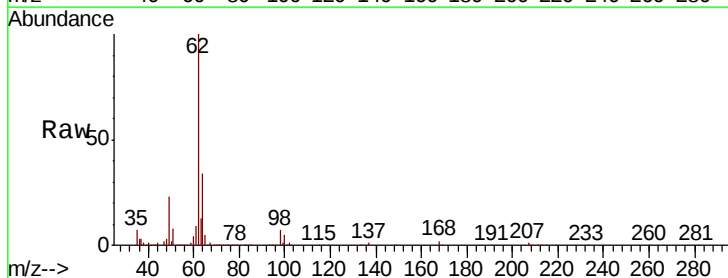
Acq: 6 May 2019 20:04

Tgt Ion: 62 Resp: 336040

Ion Ratio Lower Upper

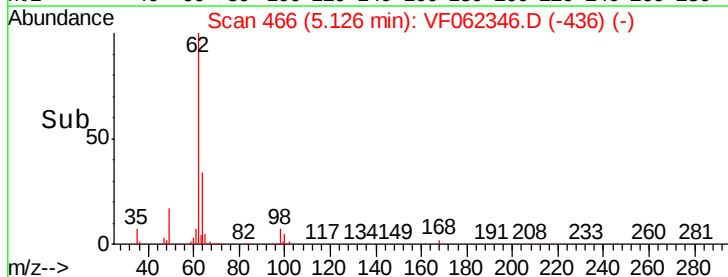
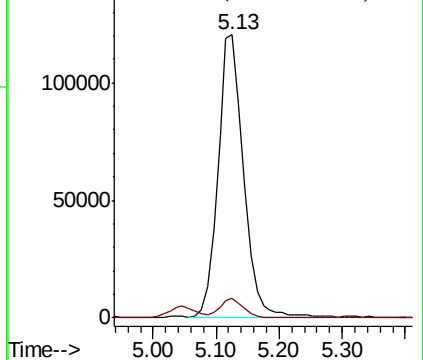
62 100

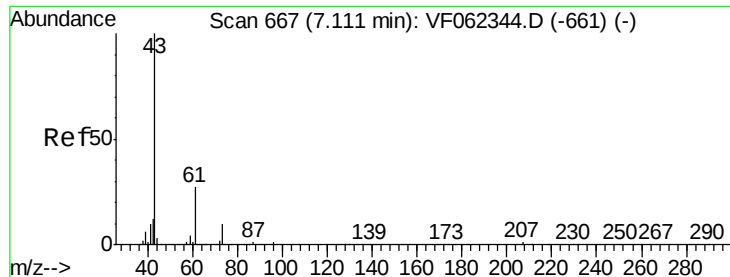
98 6.5 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



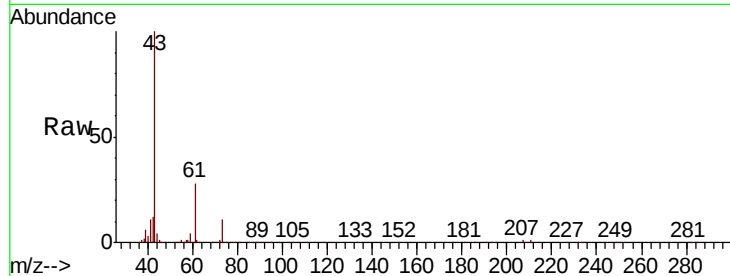


#43

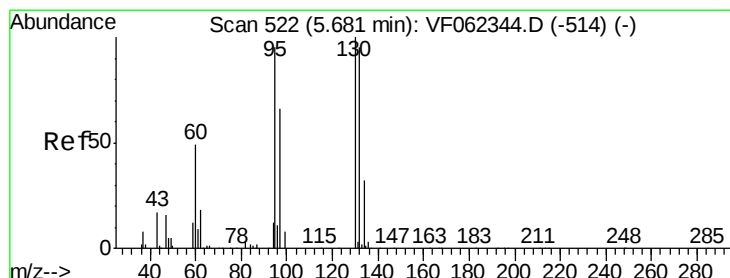
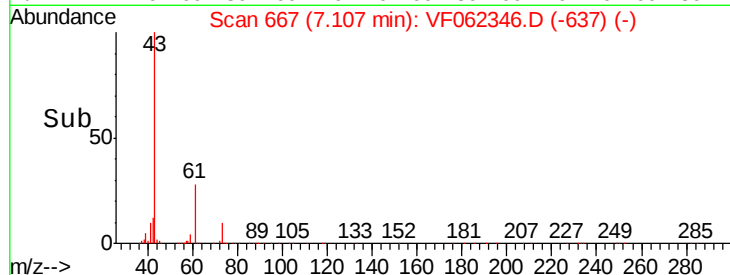
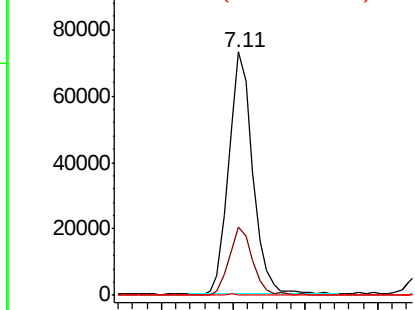
Isopropyl Acetate
 Concen: 75.700 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 169373
 Ion Ratio Lower Upper
 43 100
 61 28.1 22.8 34.2
 87 0.4 0.6 1.0#



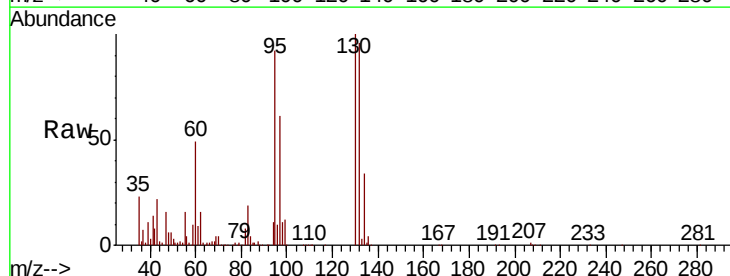
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



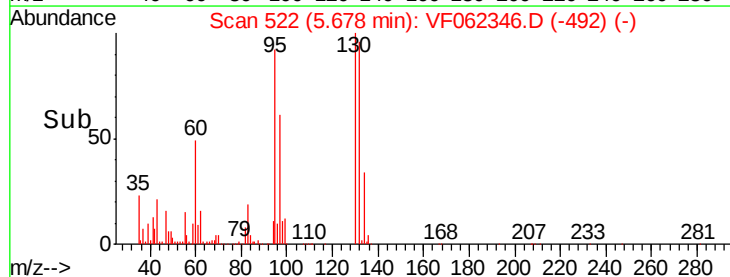
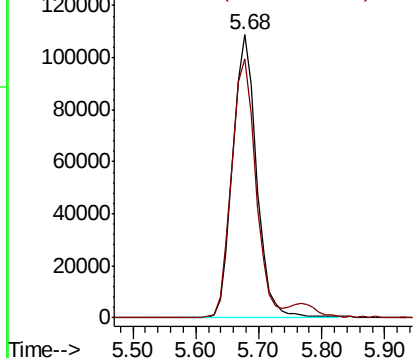
#44

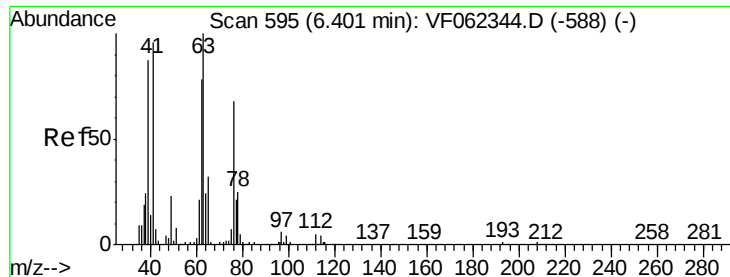
Trichloroethene
 Concen: 70.704 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion: 130 Resp: 284446
 Ion Ratio Lower Upper
 130 100
 95 91.4 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 70.054 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

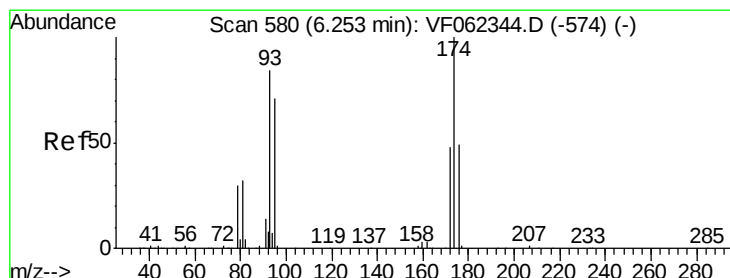
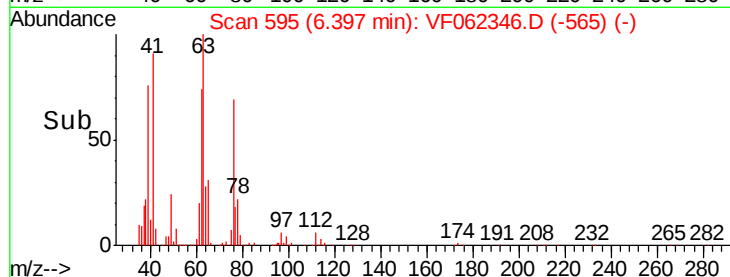
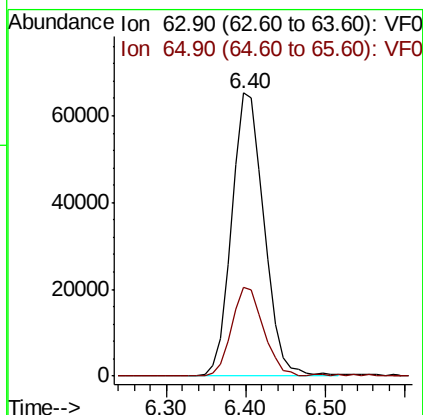
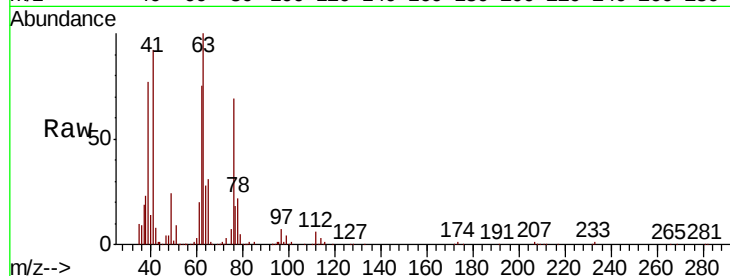
VSTDIC100

Tot Ion: 63 Resp: 184799

Ion Ratio Lower Upper

63 100

65 31.2 25.6 38.4



#46

Dibromomethane

Concen: 78.326 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

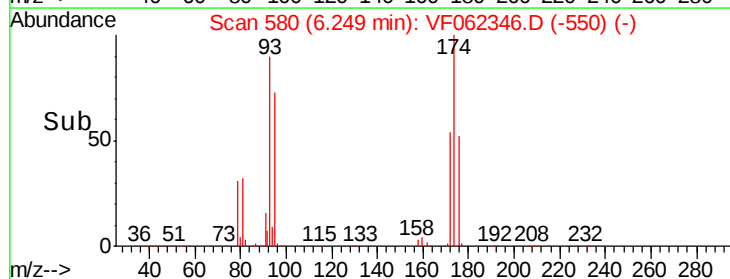
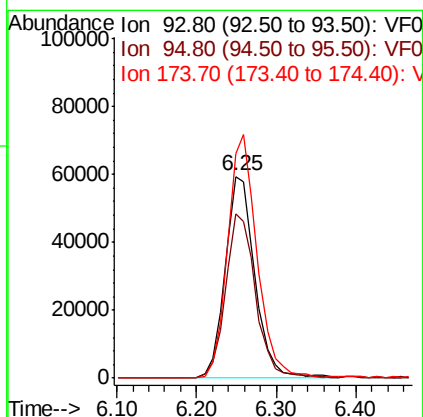
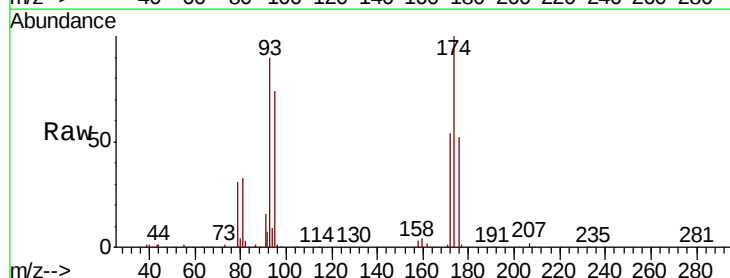
Tgt Ion: 93 Resp: 155751

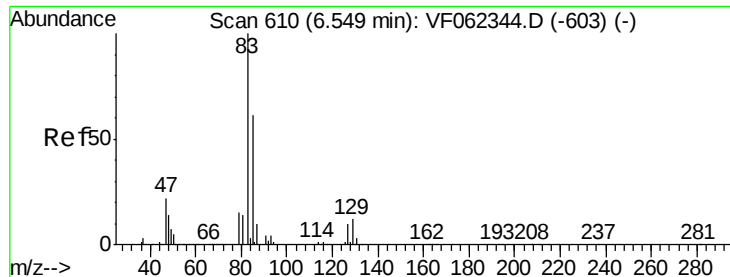
Ion Ratio Lower Upper

93 100

95 82.5 68.4 102.6

174 118.6 99.6 149.4





#47

Bromodichloromethane

Concen: 82.723 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

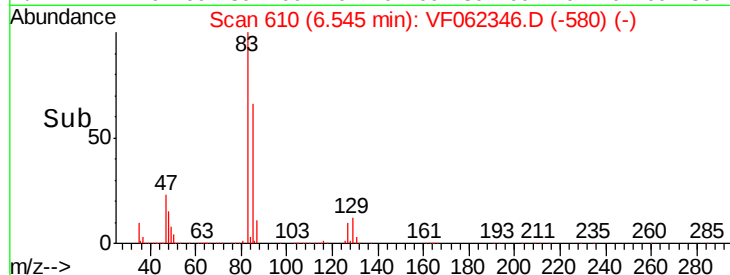
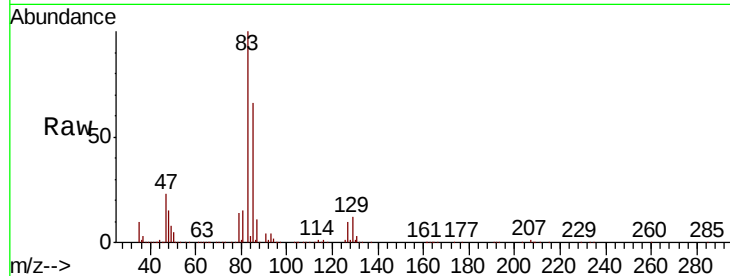
Tot Ion: 83 Resp: 395505

Ion Ratio Lower Upper

83 100

85 65.8 49.1 73.7

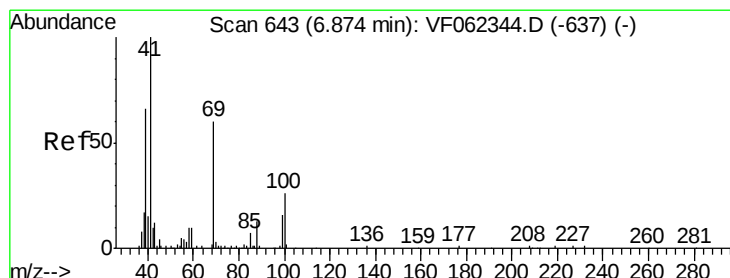
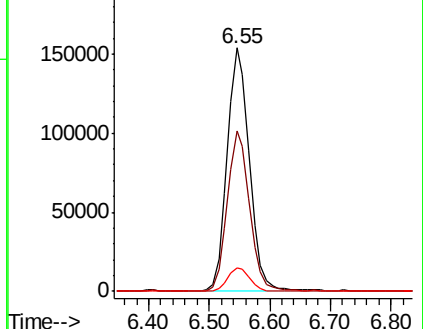
127 9.6 7.8 11.8



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: 78.752 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

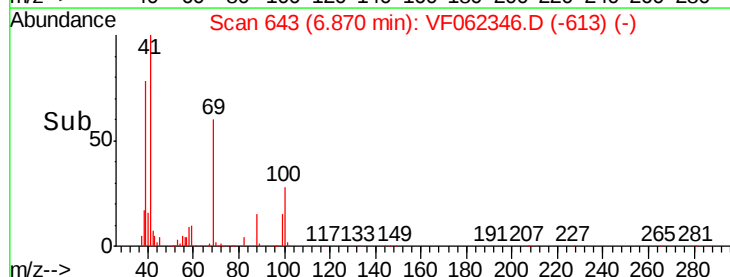
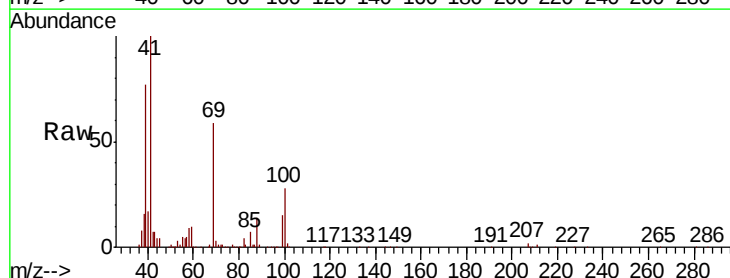
Tgt Ion: 41 Resp: 123683

Ion Ratio Lower Upper

41 100

69 63.1 48.6 72.8

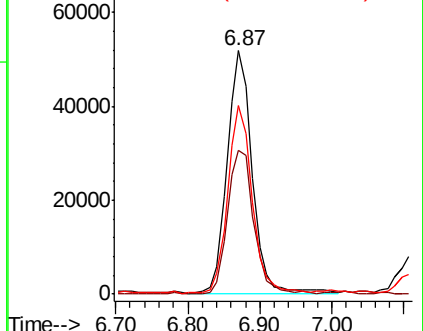
39 76.3 56.1 84.1

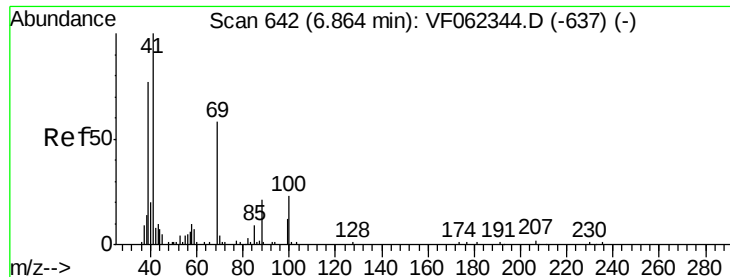


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

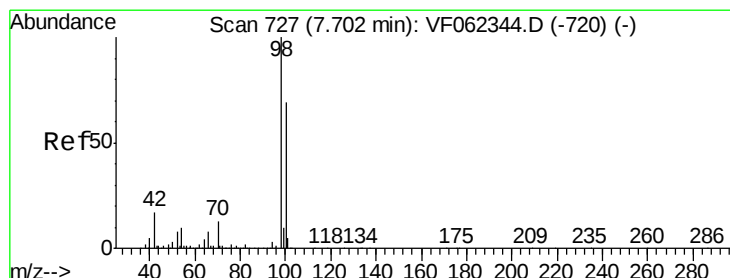
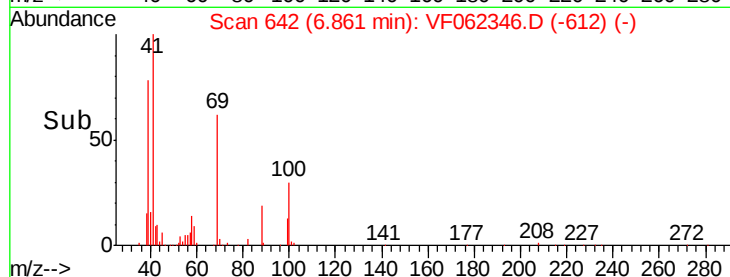
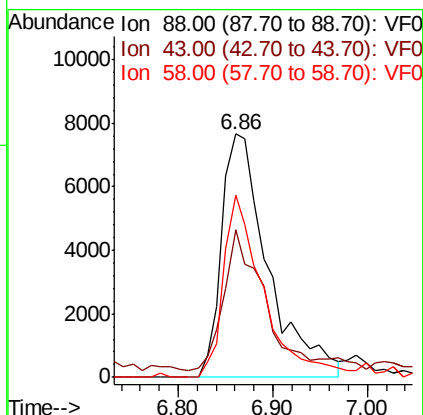
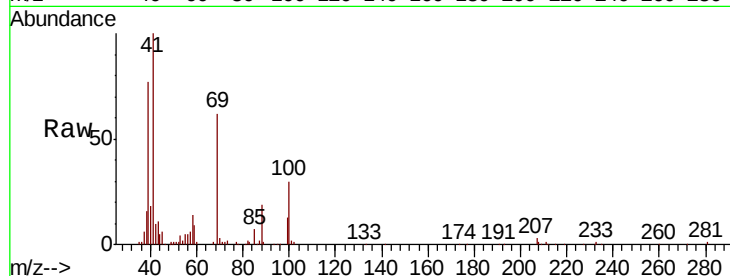




#49
 1,4-Dioxane
 Concen: 1502.593 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

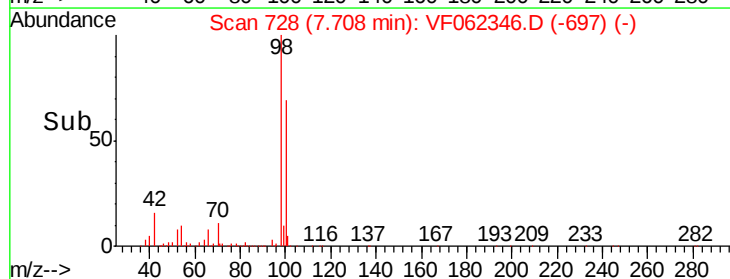
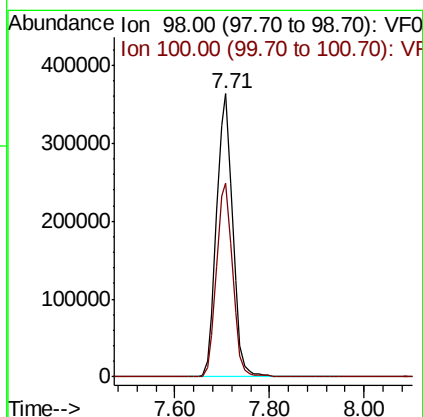
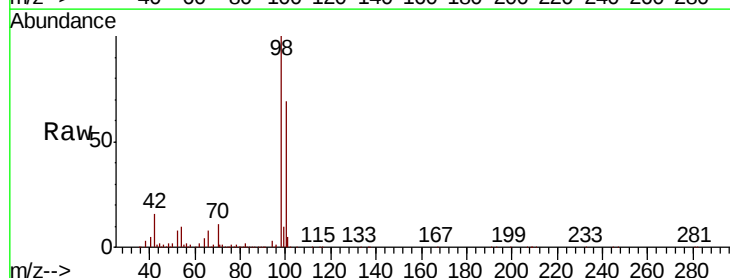
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

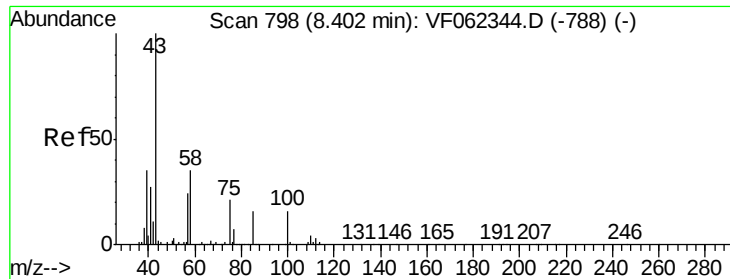
Tot Ion: 88 Resp: 26163
 Ion Ratio Lower Upper
 88 100
 43 52.2 55.6 83.4#
 58 64.6 52.8 79.2



#50
 Toluene-d8
 Concen: 83.118 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion: 98 Resp: 865660
 Ion Ratio Lower Upper
 98 100
 100 68.2 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 371.643 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

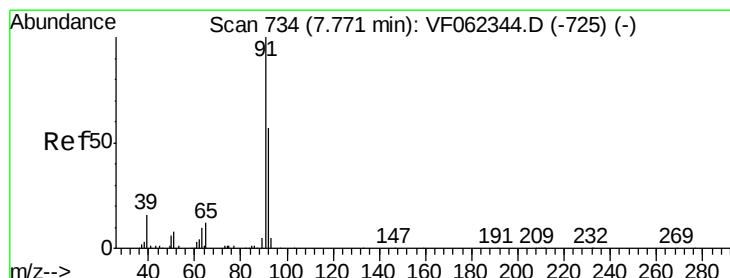
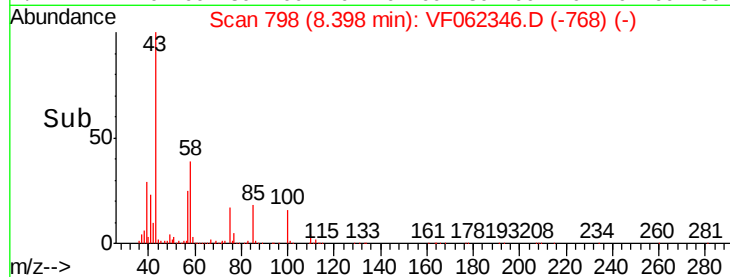
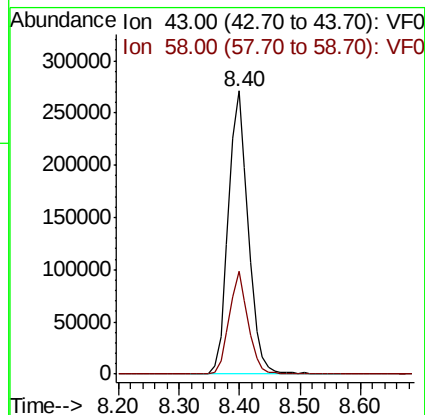
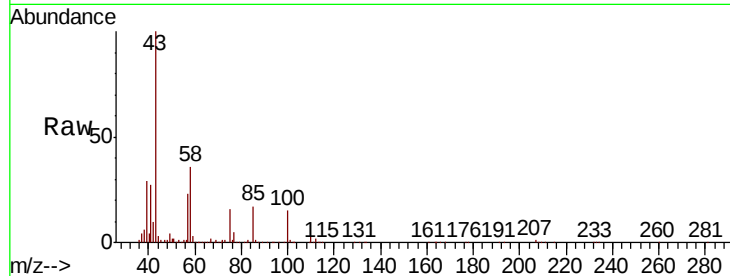
VSTDIC100

Tot Ion: 43 Resp: 619284

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.6



#52

Toluene

Concen: 70.924 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062346.D

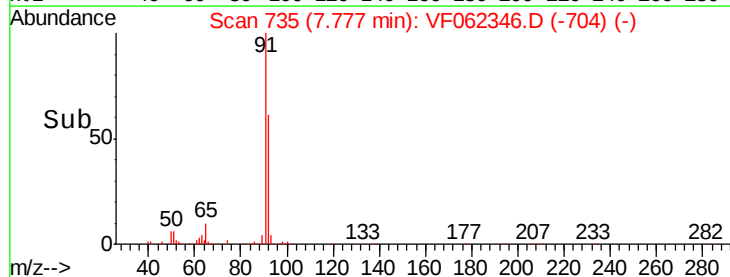
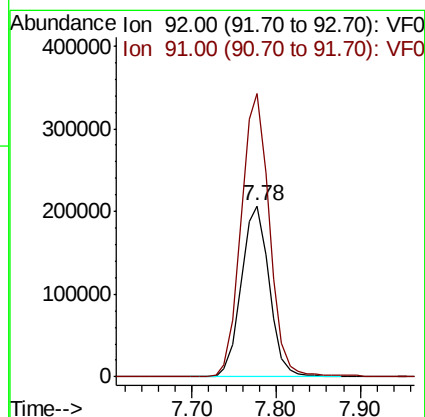
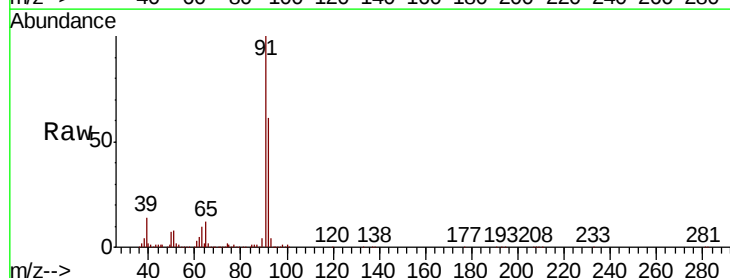
Acq: 6 May 2019 20:04

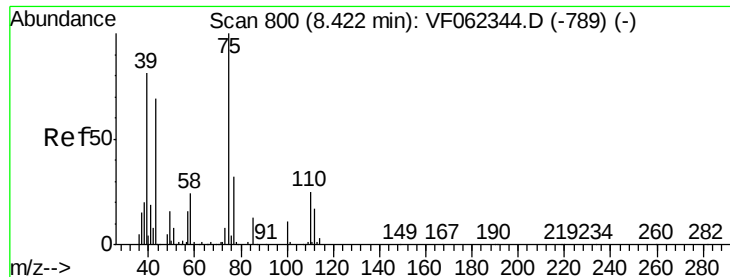
Tgt Ion: 92 Resp: 482018

Ion Ratio Lower Upper

92 100

91 168.1 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 79.859 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

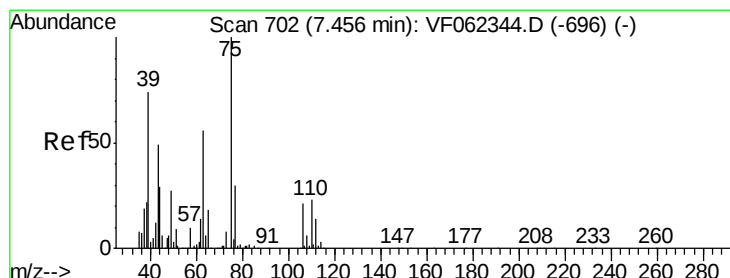
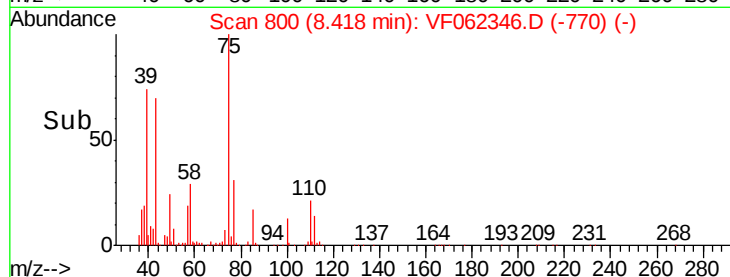
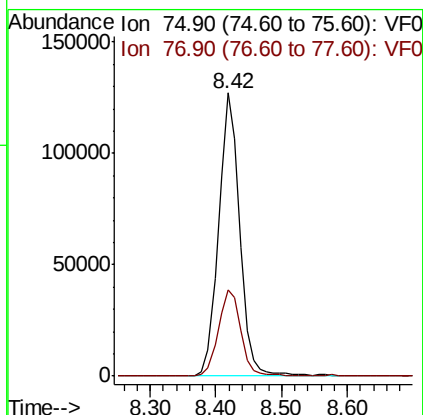
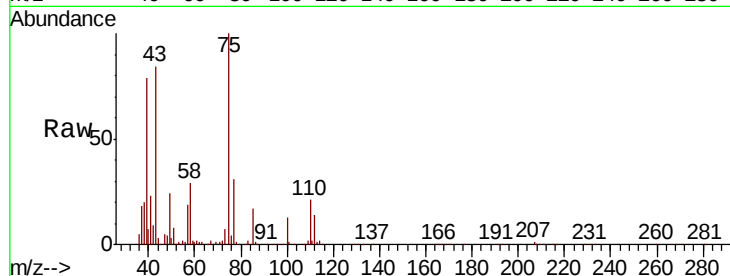
VSTDIC100

Tot Ion: 75 Resp: 282199

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 74.498 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

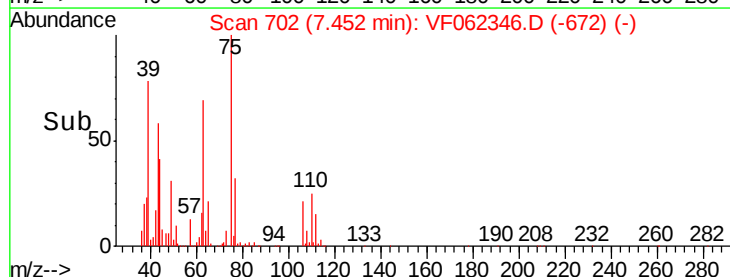
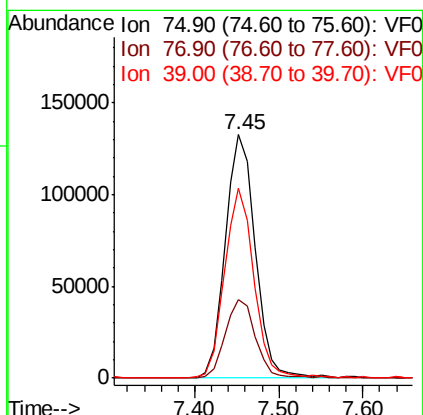
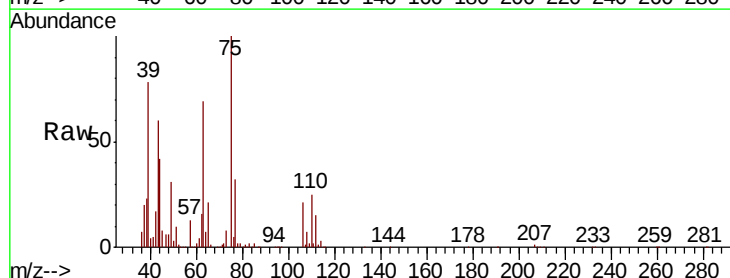
Tgt Ion: 75 Resp: 328433

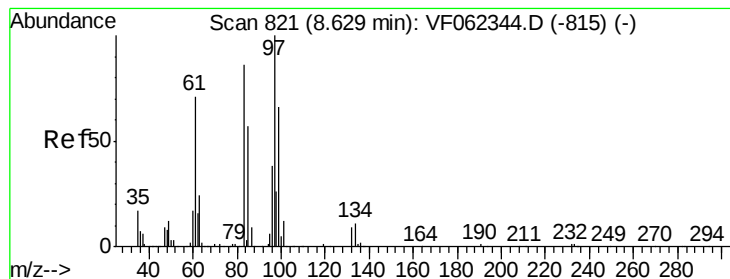
Ion Ratio Lower Upper

75 100

77 32.0 24.0 36.0

39 77.6 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 79.716 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 161827

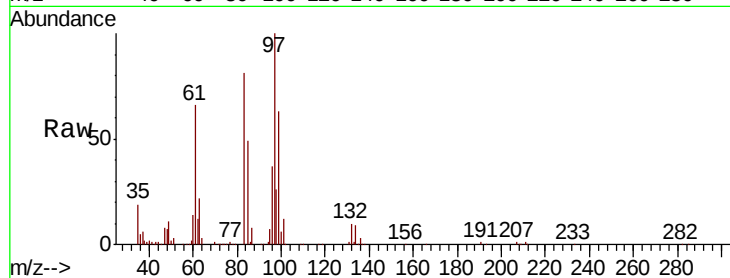
Ion Ratio Lower Upper

97 100

83 81.1 68.5 102.7

85 48.4 45.4 68.2

99 62.8 52.7 79.1

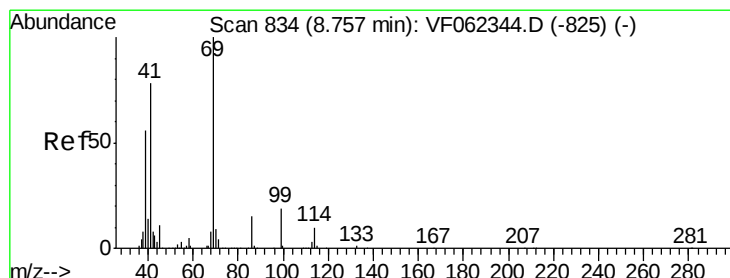
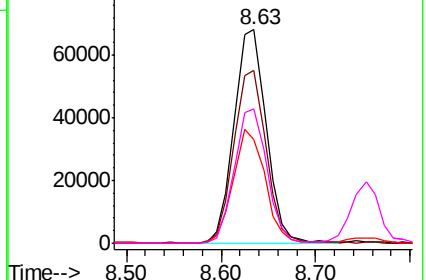
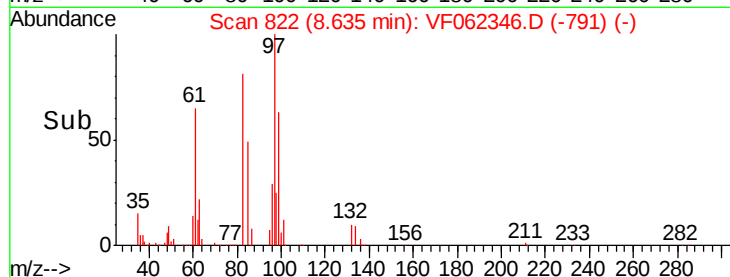


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 80.160 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

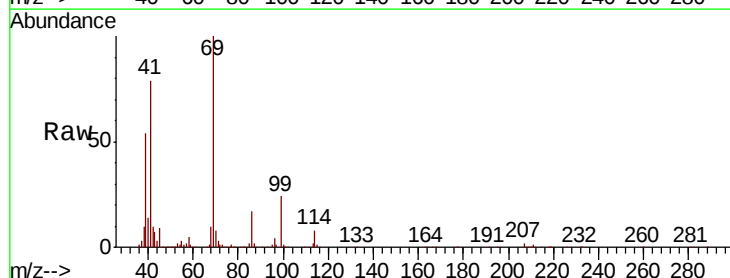
Tgt Ion: 69 Resp: 175419

Ion Ratio Lower Upper

69 100

41 79.0 66.3 99.5

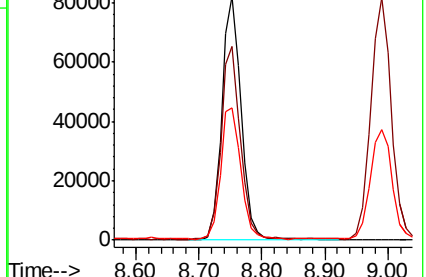
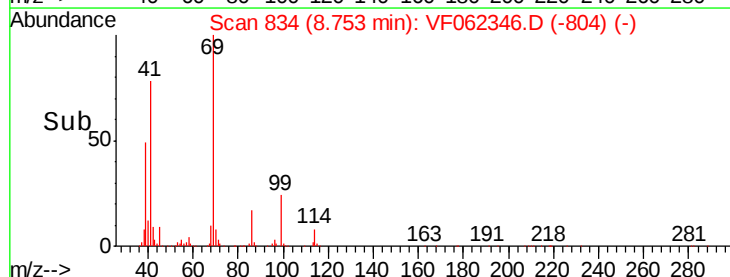
39 58.1 50.1 75.1

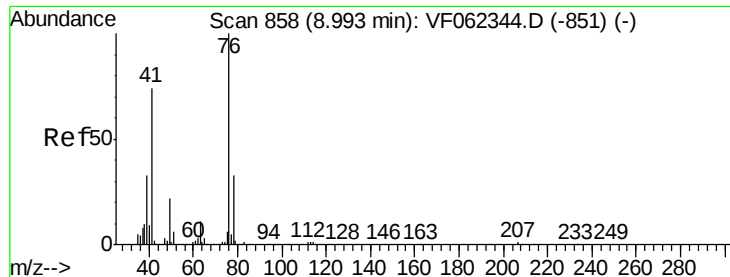


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 76.780 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

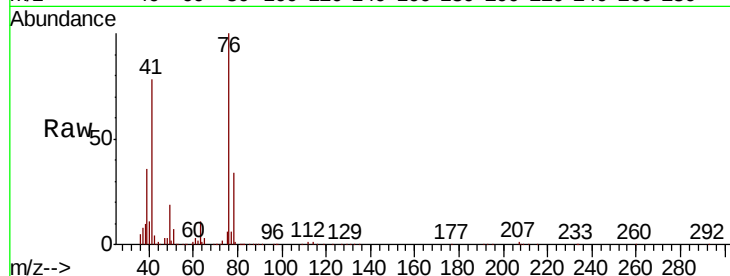
VSTDIC100

Tot Ion: 76 Resp: 239000

Ion Ratio Lower Upper

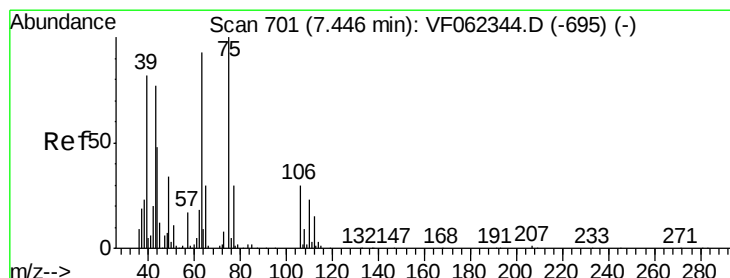
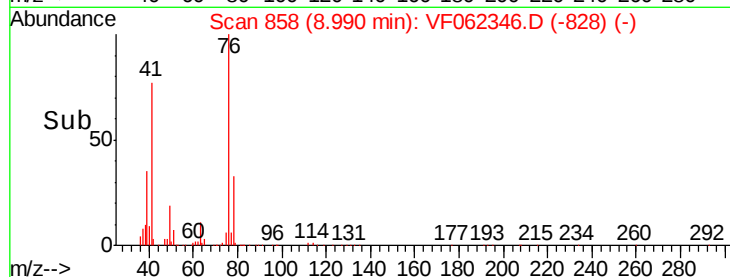
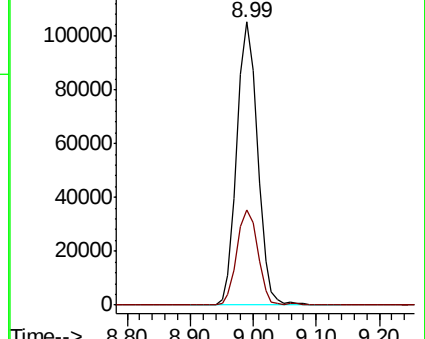
76 100

78 34.6 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 374.869 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062346.D

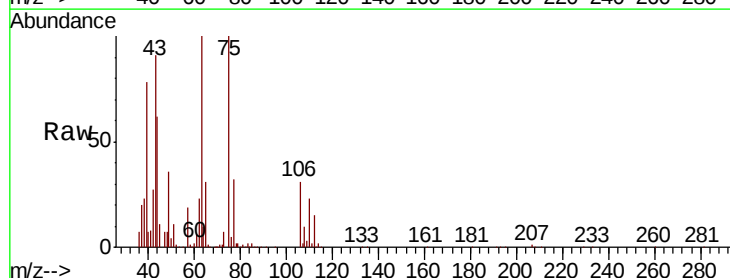
Acq: 6 May 2019 20:04

Tgt Ion: 63 Resp: 242983

Ion Ratio Lower Upper

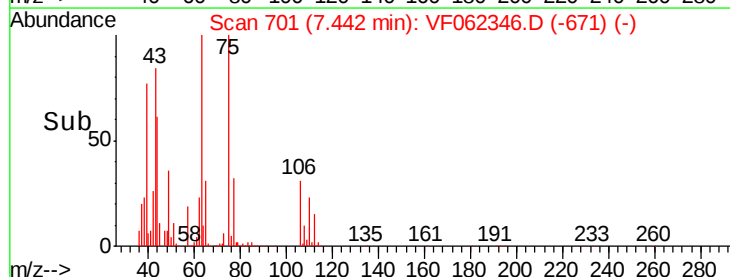
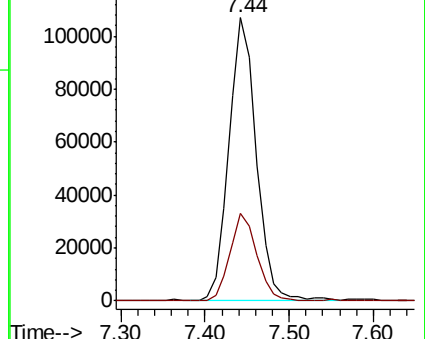
63 100

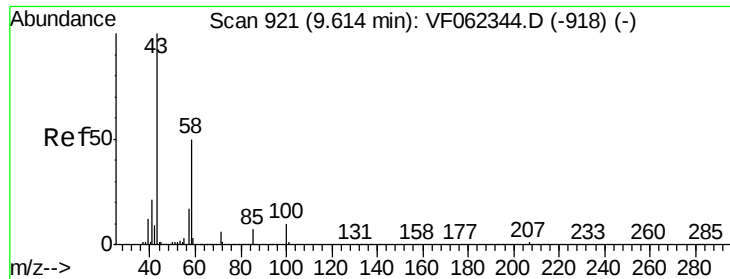
106 30.5 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

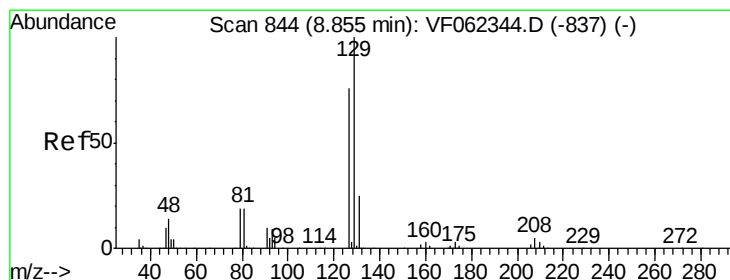
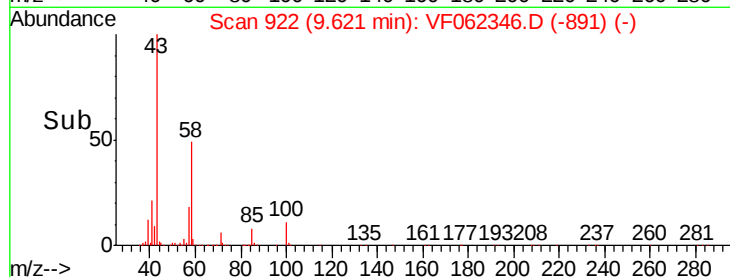
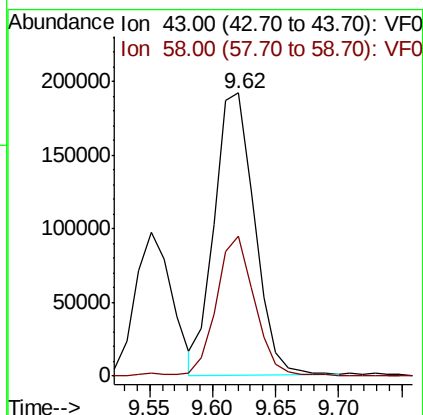
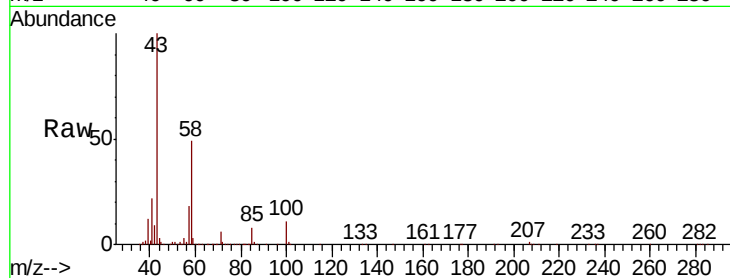




#59
2-Hexanone
Concen: 367.336 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

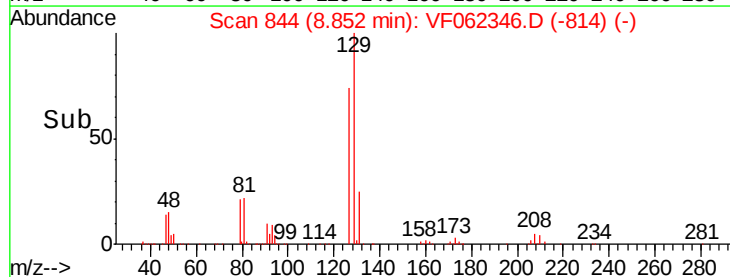
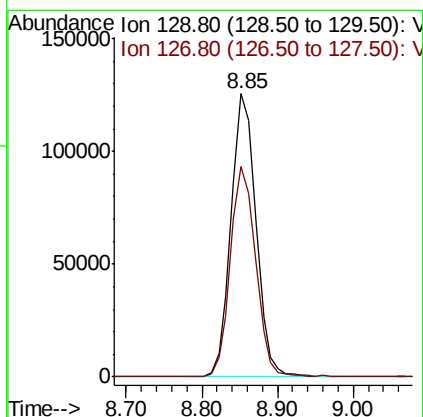
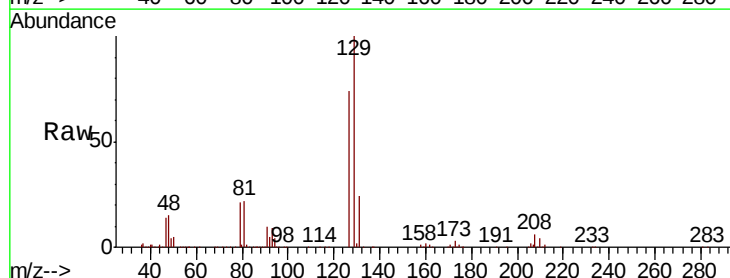
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

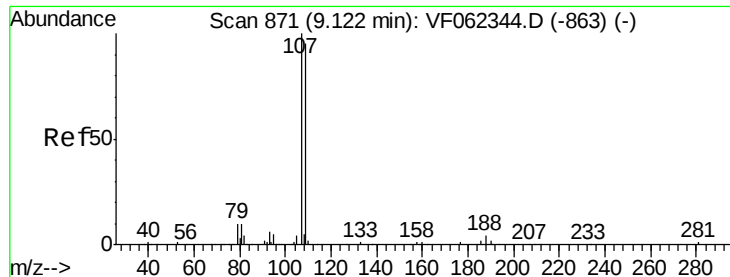
Tot Ion: 43 Resp: 422463
Ion Ratio Lower Upper
43 100
58 47.0 24.3 73.0



#60
Dibromochloromethane
Concen: 86.152 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion: 129 Resp: 286149
Ion Ratio Lower Upper
129 100
127 75.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 79.561 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

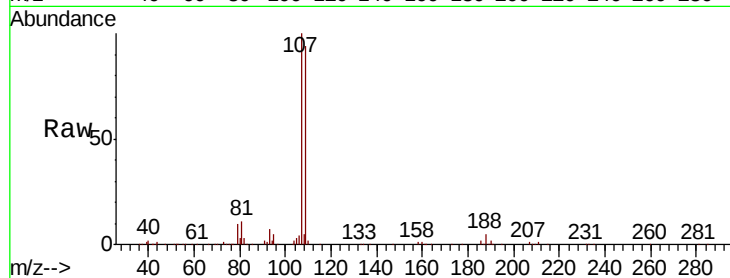
VSTDIC100

Tot Ion:107 Resp: 188547

Ion Ratio Lower Upper

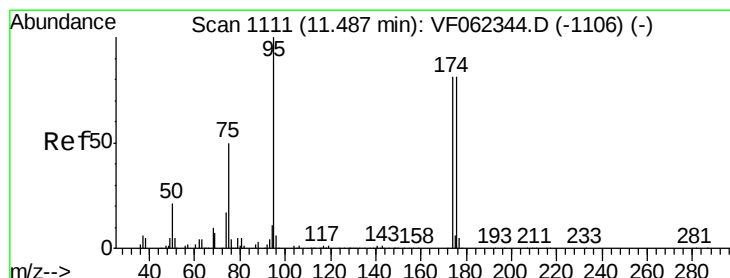
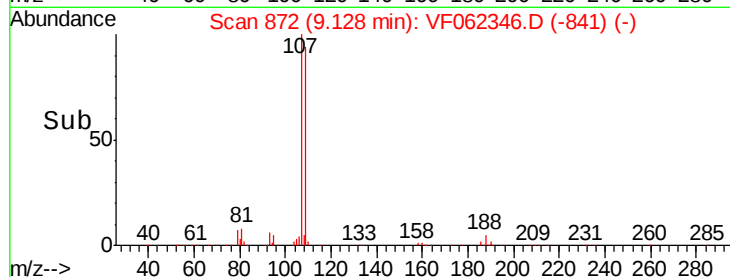
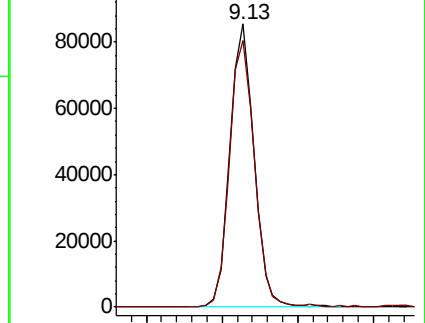
107 100

109 96.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 85.993 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

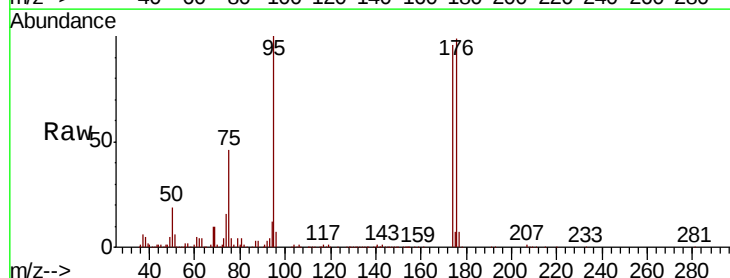
Tgt Ion: 95 Resp: 370055

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.8

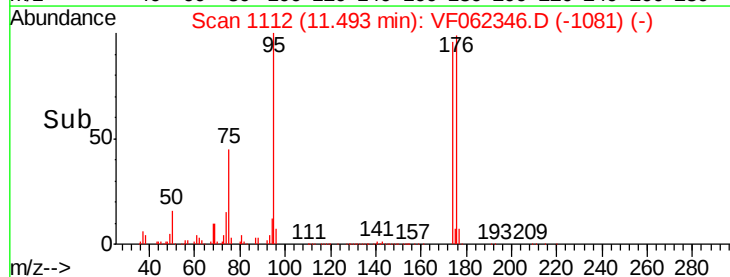
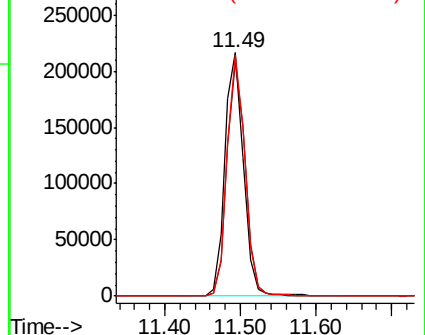
176 95.0 0.0 193.2

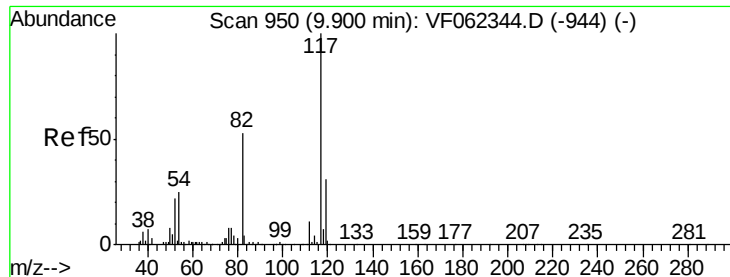


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

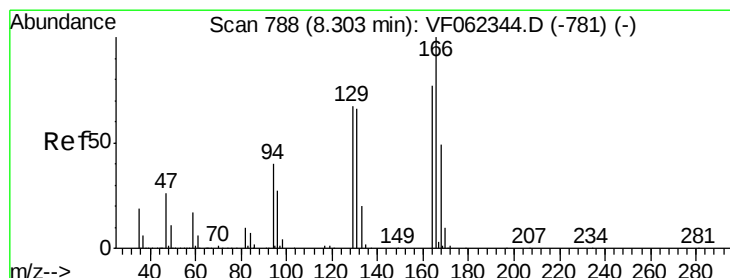
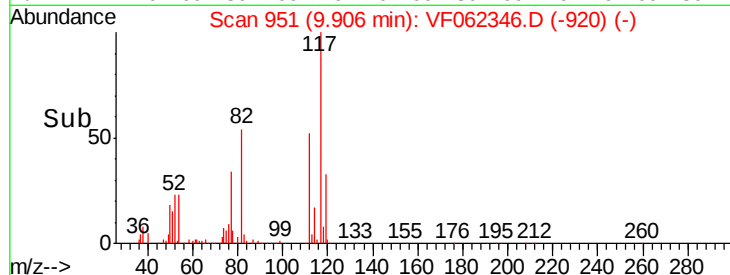
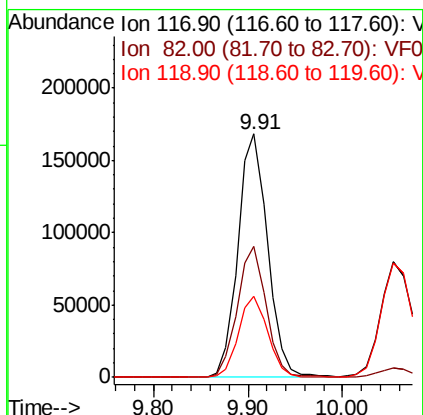
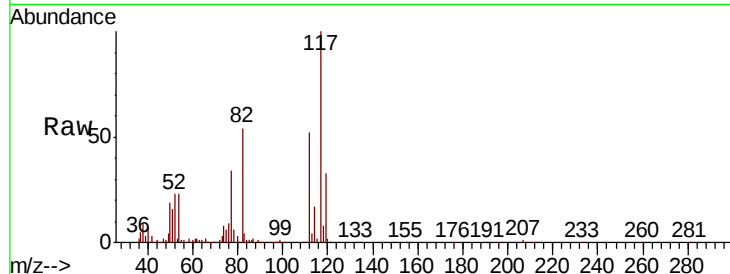




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

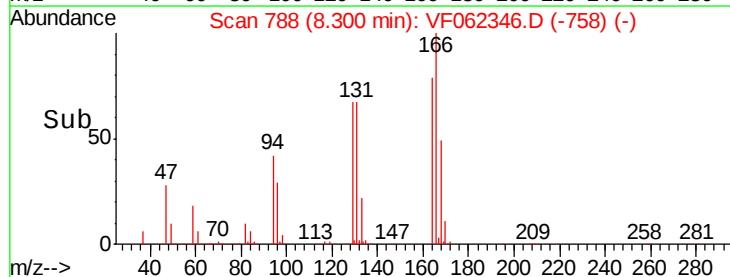
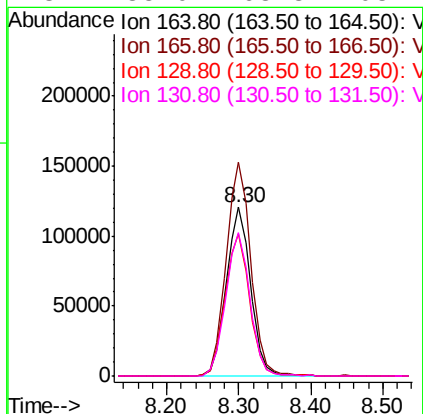
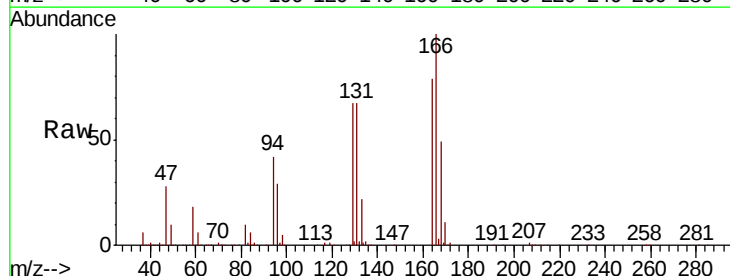
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

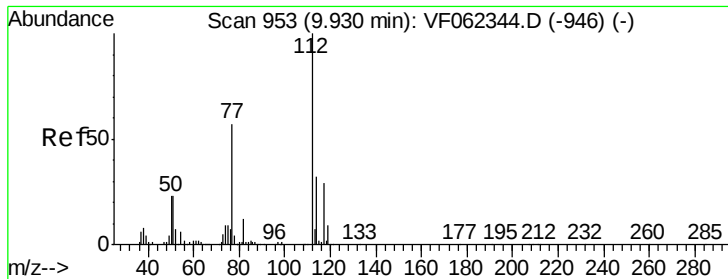
Tot Ion:117 Resp: 365734
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.2
119 33.2 25.0 37.4



#64
Tetrachloroethene
Concen: 76.613 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion:164 Resp: 283334
Ion Ratio Lower Upper
164 100
166 126.8 104.2 156.4
129 84.6 69.6 104.4
131 85.0 68.8 103.2





#65

Chlorobenzene

Concen: 72.517 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

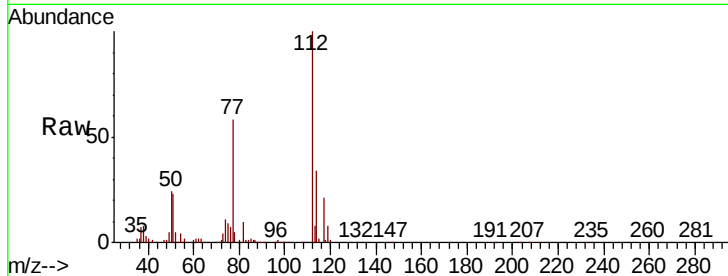
VSTDIC100

Tot Ion:112 Resp: 578375

Ion Ratio Lower Upper

112 100

114 34.4 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

300000

250000

200000

150000

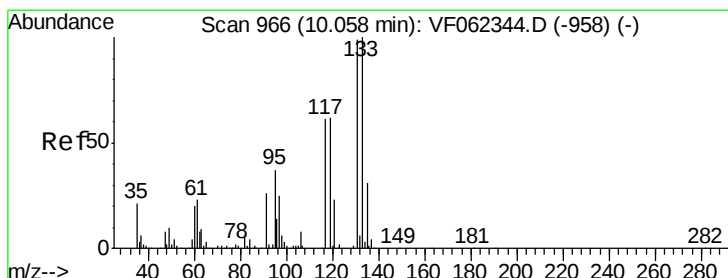
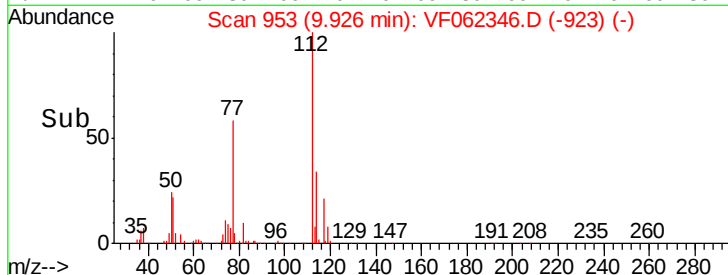
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 75.416 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

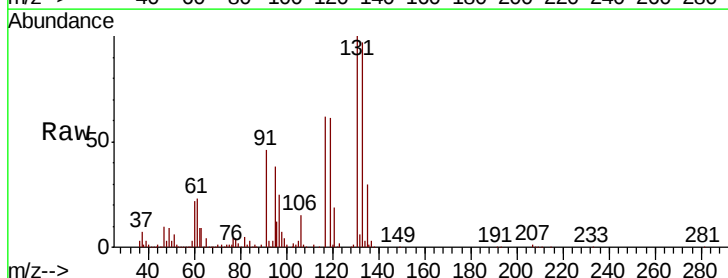
Tgt Ion:131 Resp: 290418

Ion Ratio Lower Upper

131 100

133 95.9 50.2 150.7

119 62.1 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

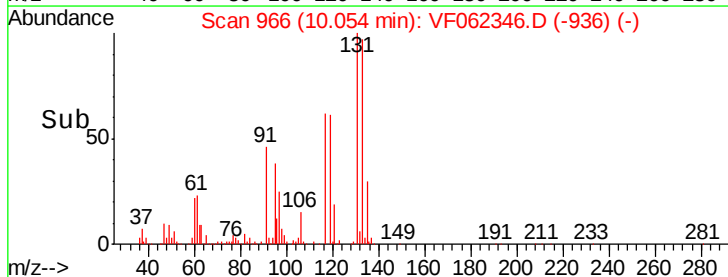
100000

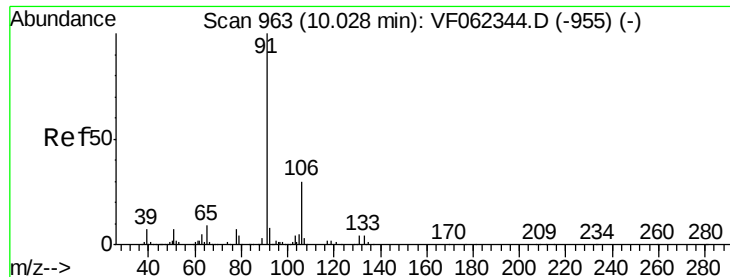
50000

0

10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 69.694 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

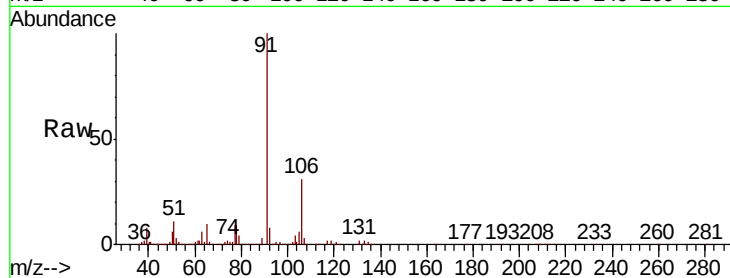
VSTDIC100

Tot Ion: 91 Resp: 964815

Ion Ratio Lower Upper

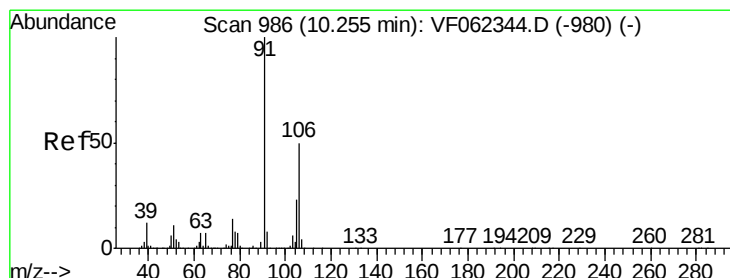
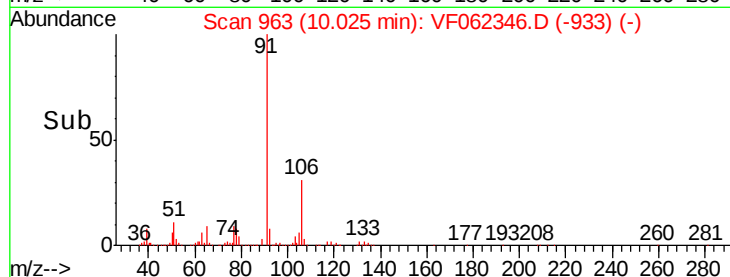
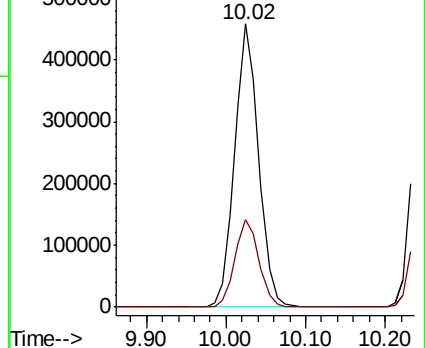
91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 144.233 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF062346.D

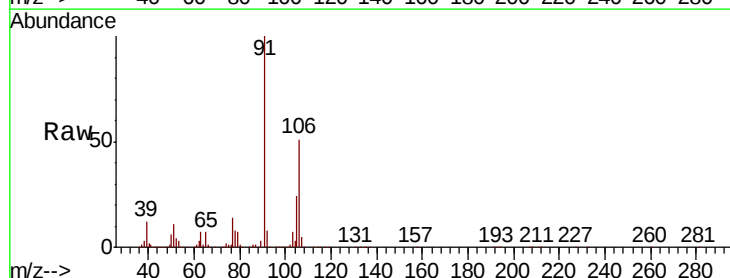
Acq: 6 May 2019 20:04

Tgt Ion: 106 Resp: 733696

Ion Ratio Lower Upper

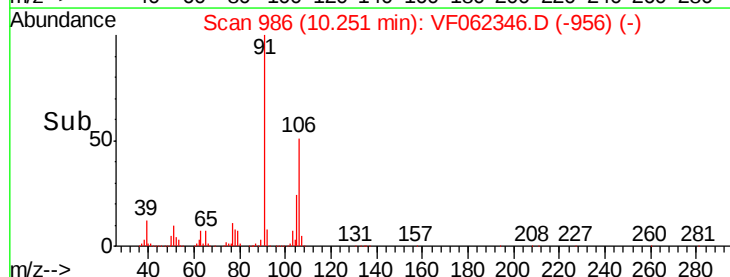
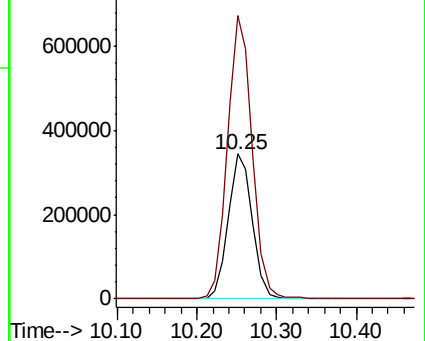
106 100

91 199.0 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

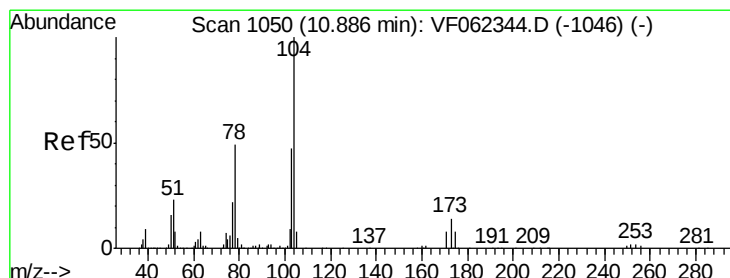
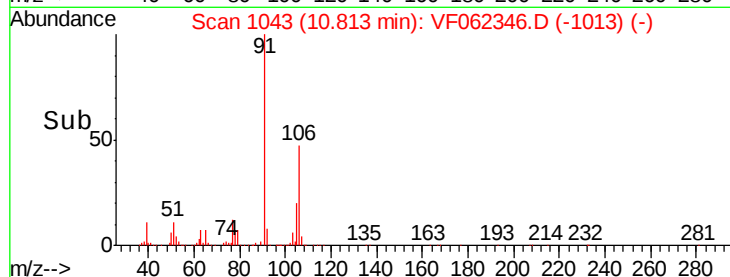
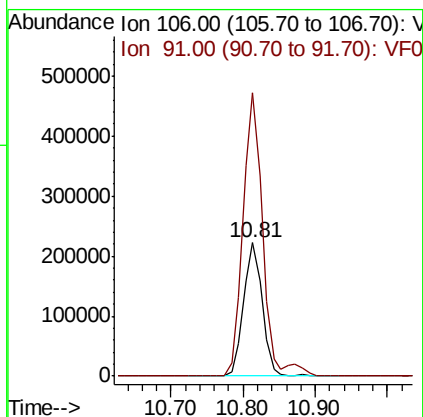
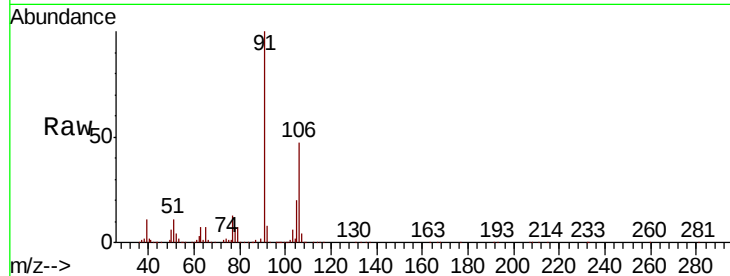




#69
o-Xylene
Concen: 71.585 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

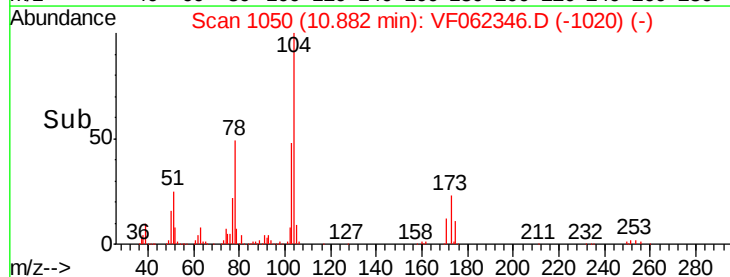
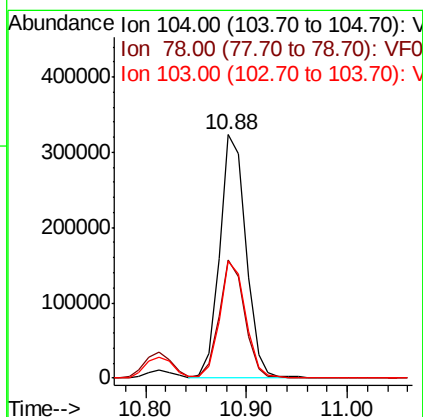
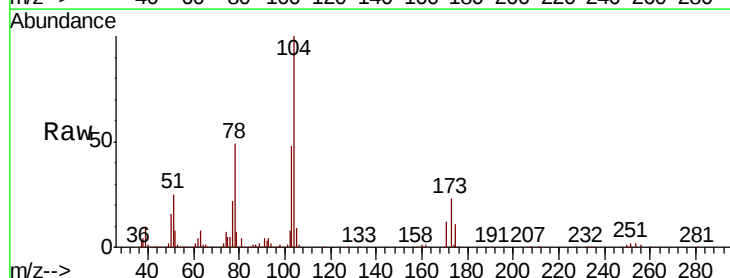
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

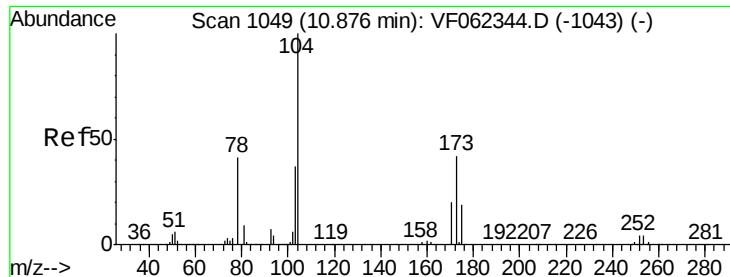
Tot Ion:106 Resp: 407619
Ion Ratio Lower Upper
106 100
91 222.3 111.3 333.8



#70
Styrene
Concen: 71.037 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion:104 Resp: 586648
Ion Ratio Lower Upper
104 100
78 47.5 39.5 59.3
103 47.6 38.4 57.6





#71

Bromoform

Concen: 77.288 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

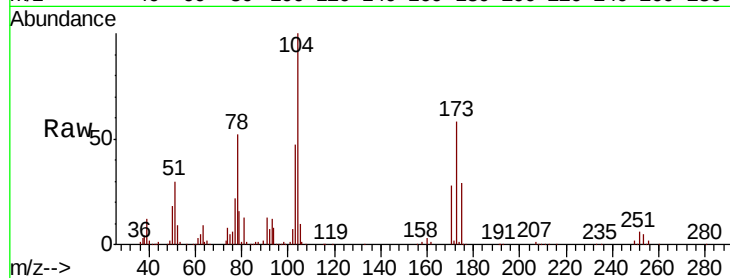
Tot Ion:173 Resp: 166220

Ion Ratio Lower Upper

173 100

175 50.2 23.8 71.2

254 0.1 0.1 0.1

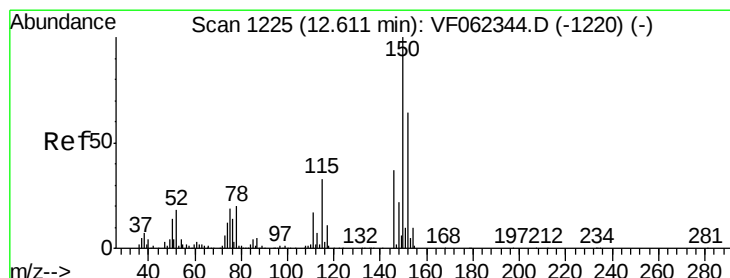
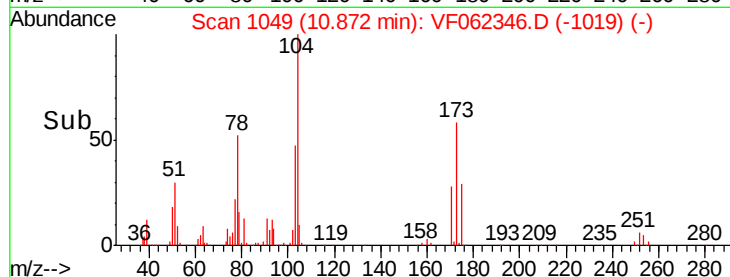
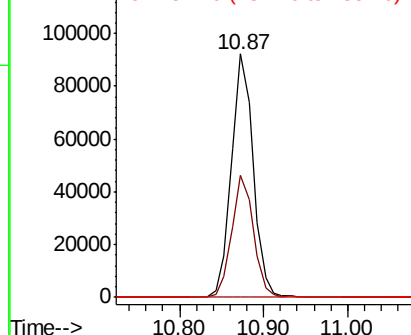


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

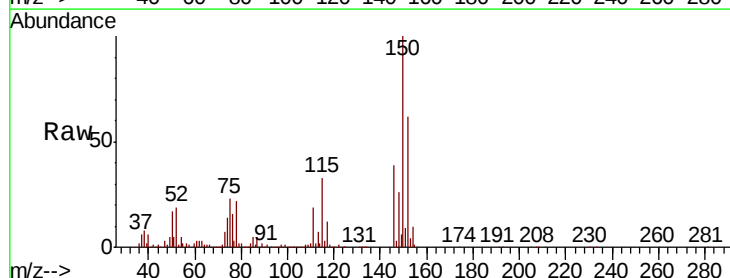
Tgt Ion:152 Resp: 209588

Ion Ratio Lower Upper

152 100

115 52.6 26.4 79.2

150 181.9 0.0 335.0

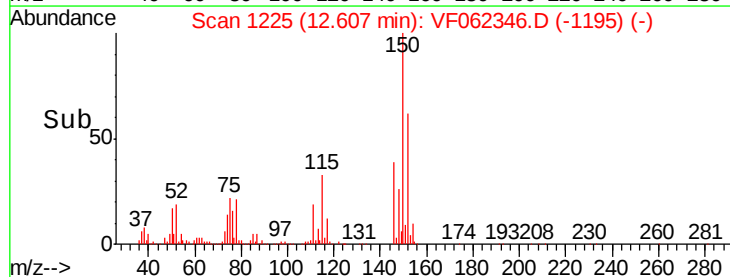
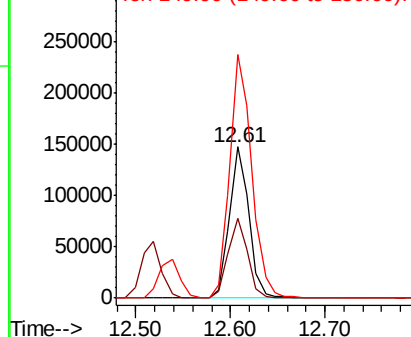


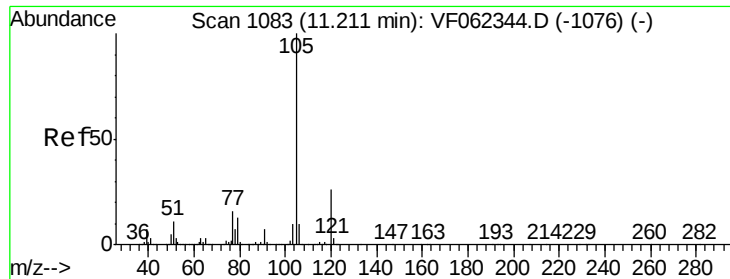
Abundance

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: 66.950 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

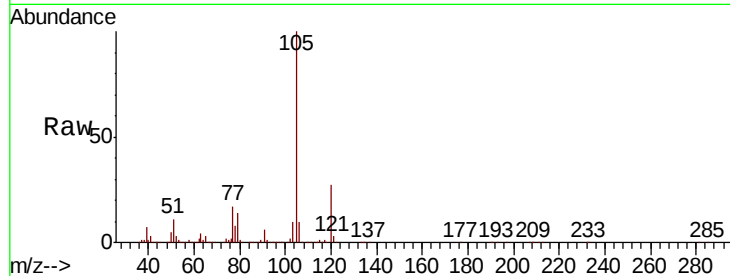
VSTDIC100

Tot Ion:105 Resp: 1137244

Ion Ratio Lower Upper

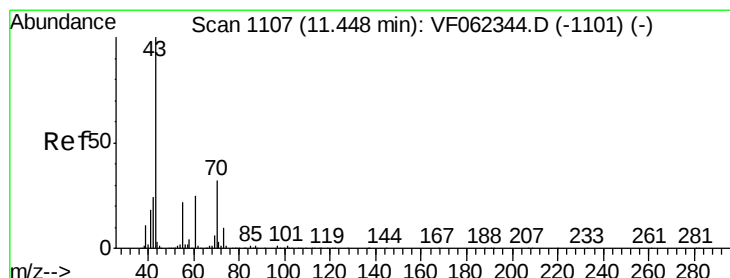
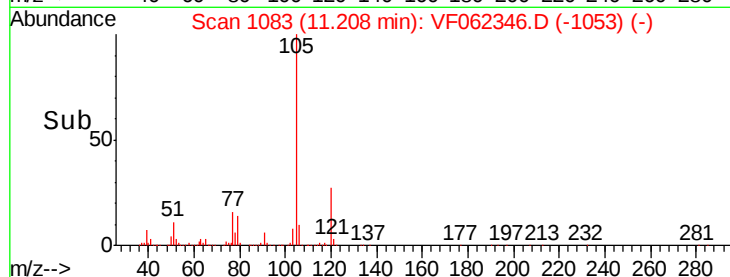
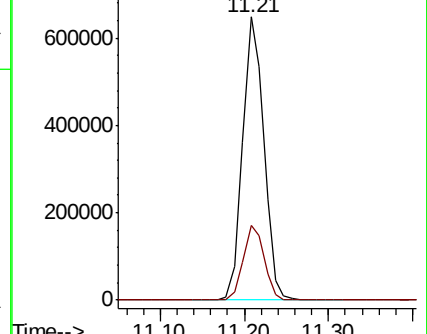
105 100

120 26.2 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 71.083 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Tgt Ion: 43 Resp: 266066

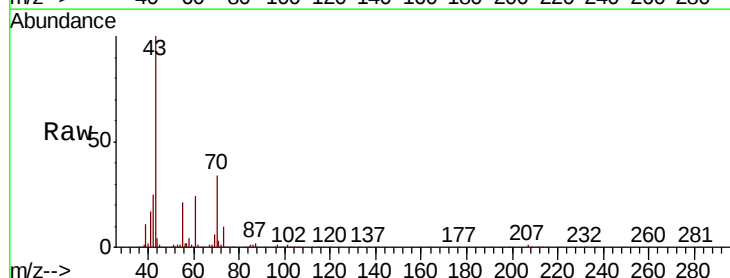
Ion Ratio Lower Upper

43 100

70 34.6 26.5 39.7

55 21.1 17.8 26.6

61 25.3 20.2 30.2

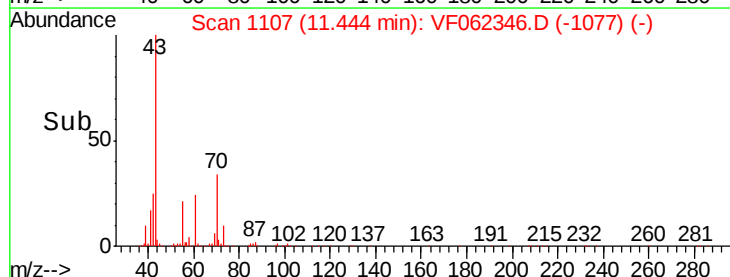
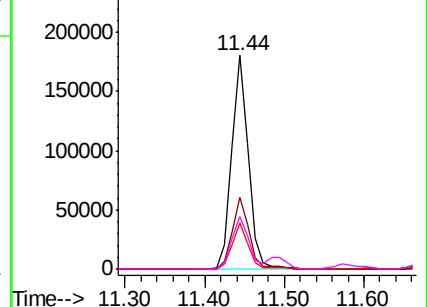


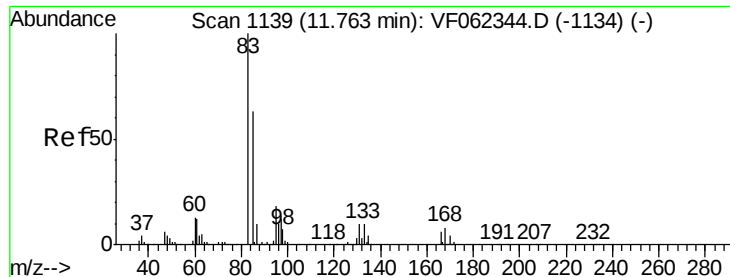
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 73.302 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

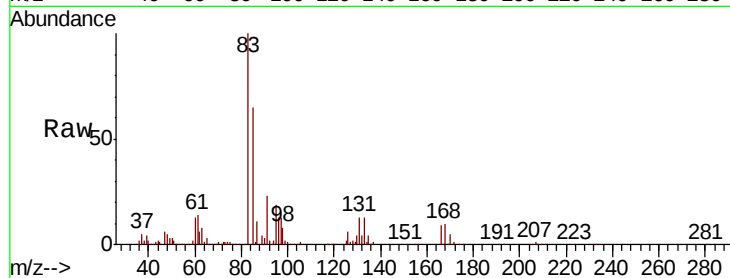
Tot Ion: 83 Resp: 196356

Ion Ratio Lower Upper

83 100

131 12.1 5.8 17.4

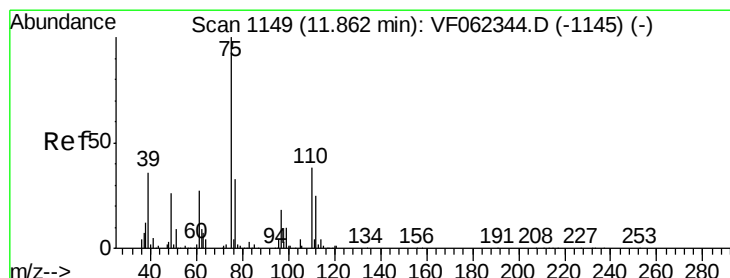
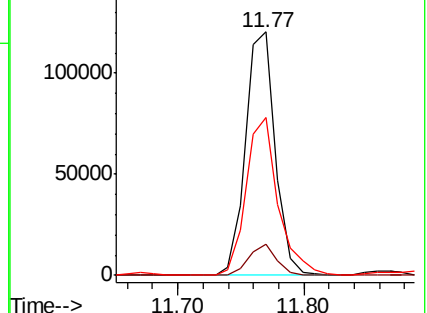
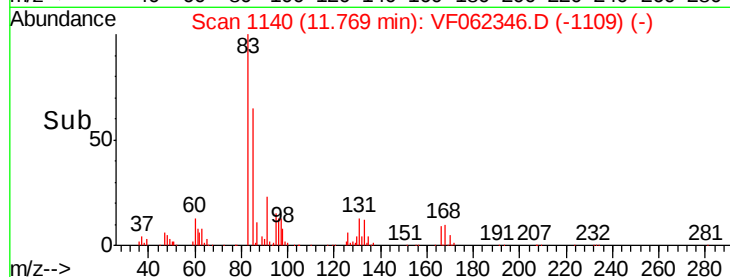
85 70.3 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 76.330 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062346.D

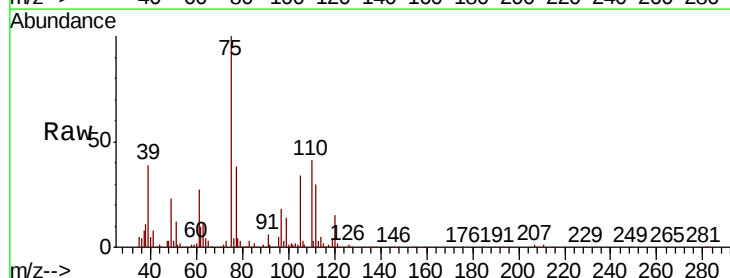
Acq: 6 May 2019 20:04

Tgt Ion: 75 Resp: 148964

Ion Ratio Lower Upper

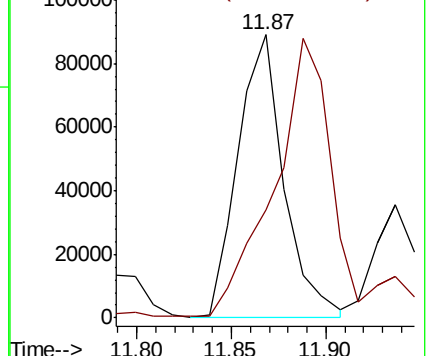
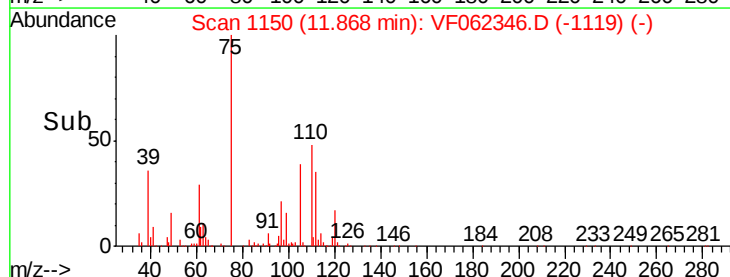
75 100

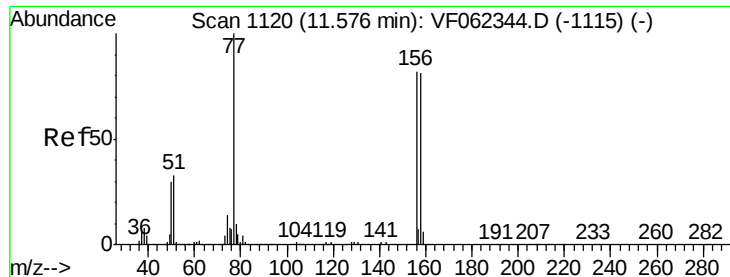
77 124.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 73.610 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

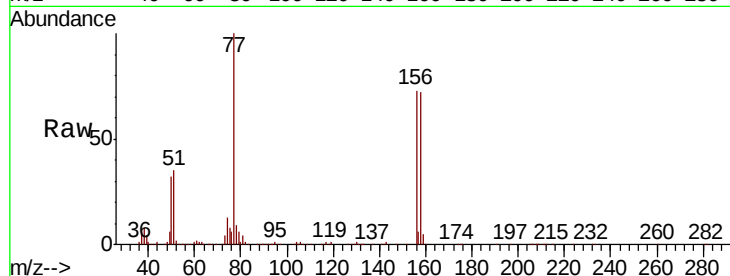
Tot Ion:156 Resp: 316151

Ion Ratio Lower Upper

156 100

77 131.9 64.8 194.3

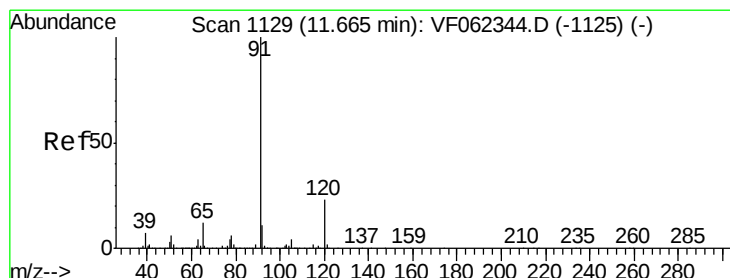
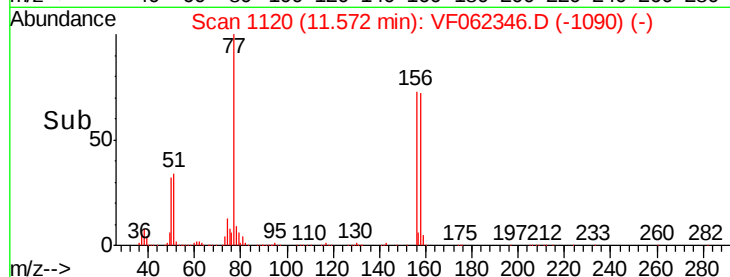
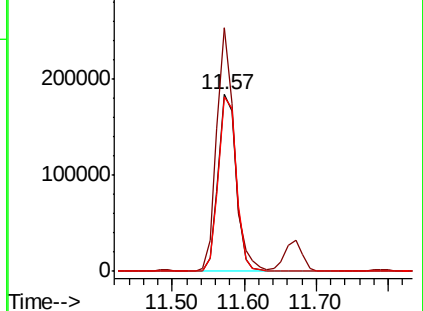
158 100.0 49.1 147.3



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: 68.133 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062346.D

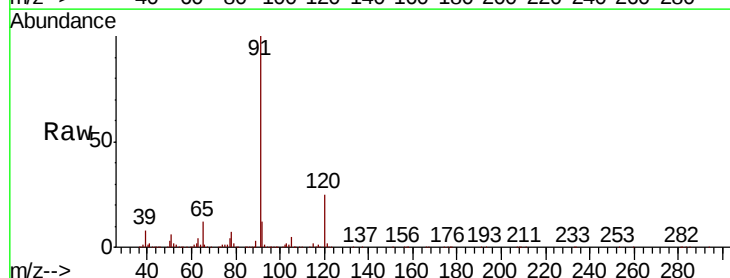
Acq: 6 May 2019 20:04

Tgt Ion: 91 Resp: 1205217

Ion Ratio Lower Upper

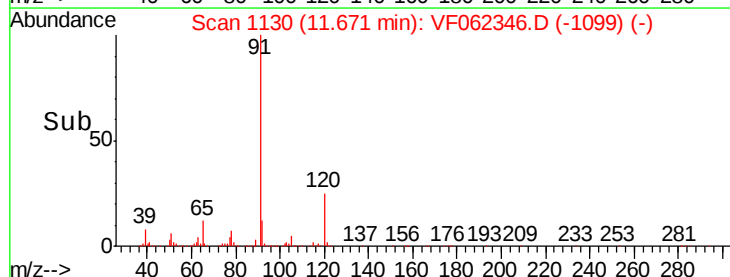
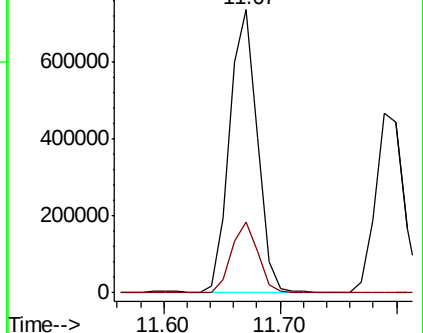
91 100

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: 71.707 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

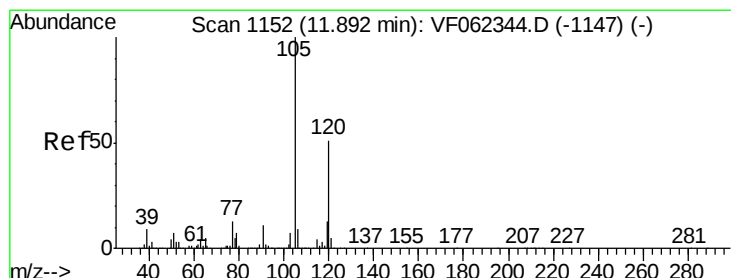
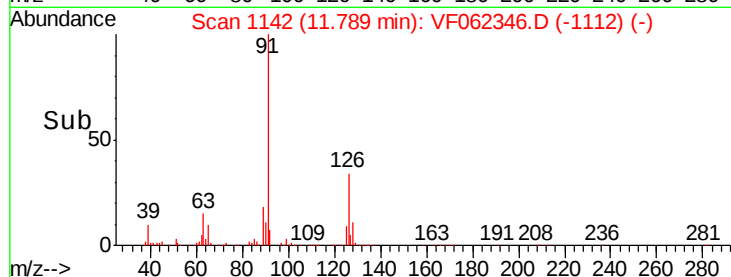
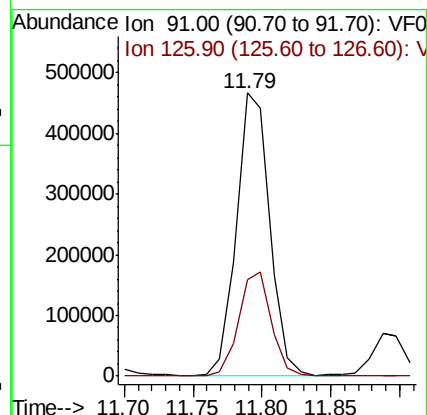
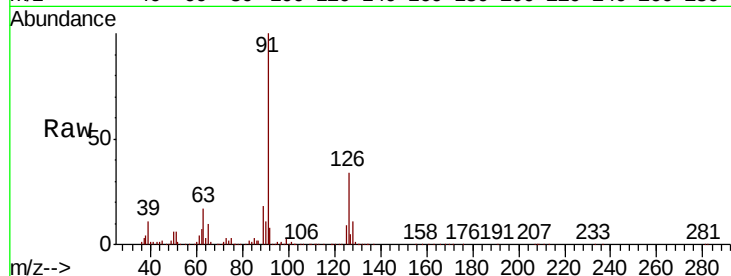
VSTDIC100

Tot Ion: 91 Resp: 779563

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 70.114 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062346.D

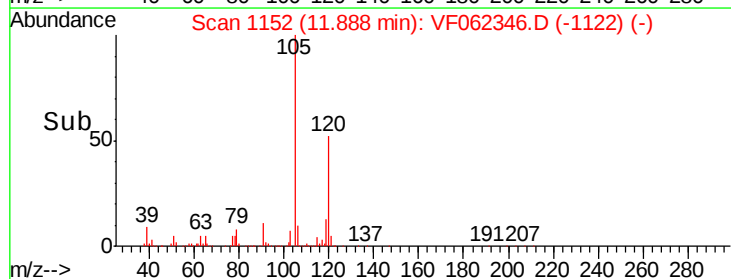
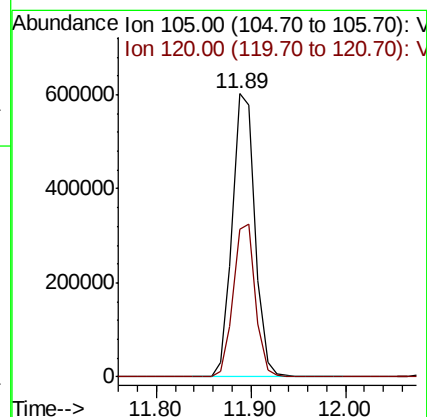
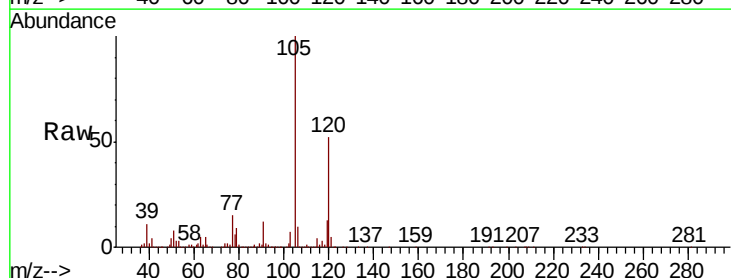
Acq: 6 May 2019 20:04

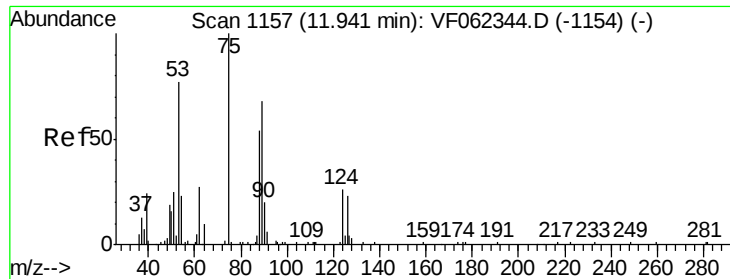
Tgt Ion:105 Resp: 1002473

Ion Ratio Lower Upper

105 100

120 52.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 96.959 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

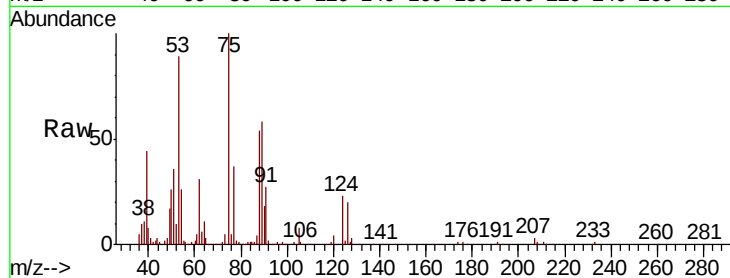
Tot Ion: 75 Resp: 78062

Ion Ratio Lower Upper

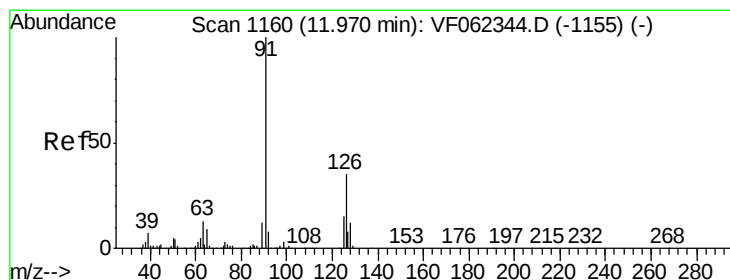
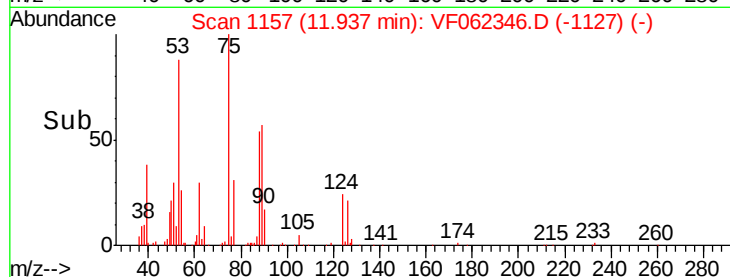
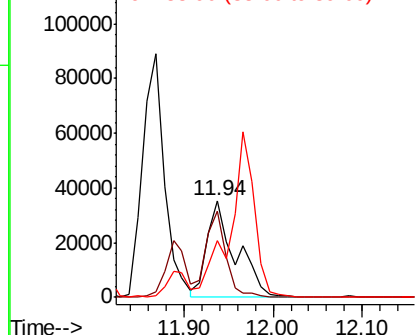
75 100

53 61.8 71.9 107.9#

89 0.0 0.0 0.0



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



#82

4-Chlorotoluene

Concen: 72.084 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062346.D

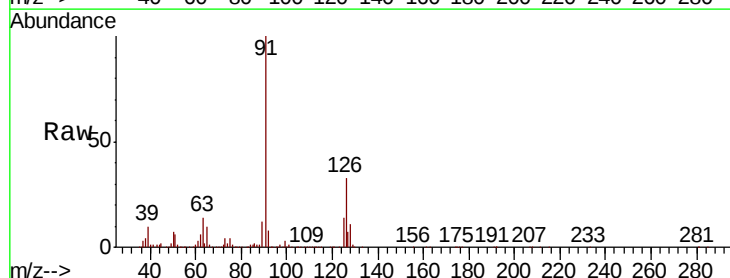
Acq: 6 May 2019 20:04

Tgt Ion: 91 Resp: 769870

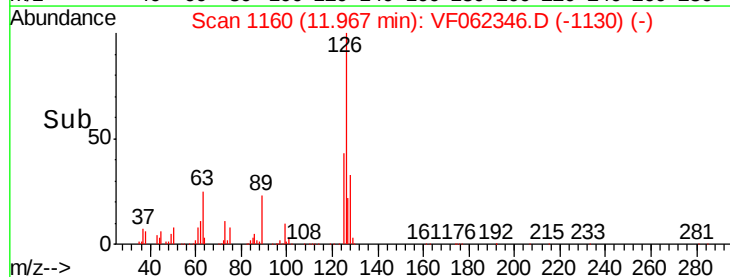
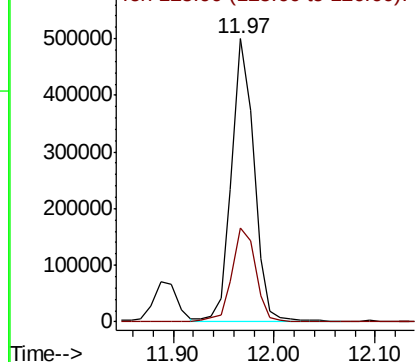
Ion Ratio Lower Upper

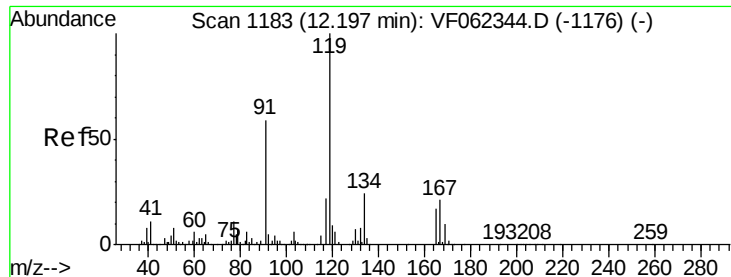
91 100

126 35.4 17.7 53.1



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





#83

tert-Butylbenzene

Concen: 70.174 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

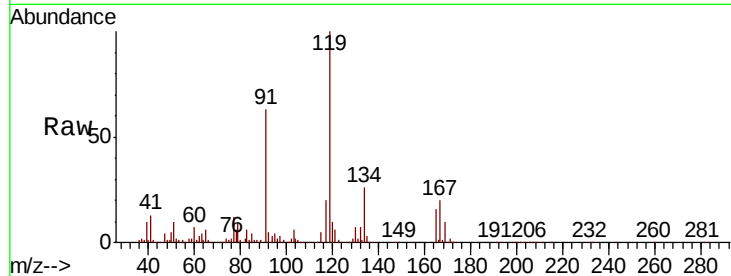
Tot Ion:119 Resp: 1047232

Ion Ratio Lower Upper

119 100

91 61.2 30.4 91.3

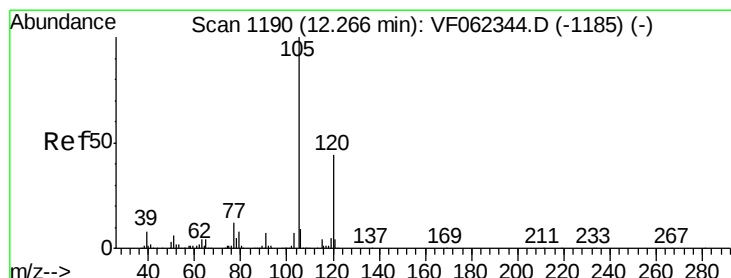
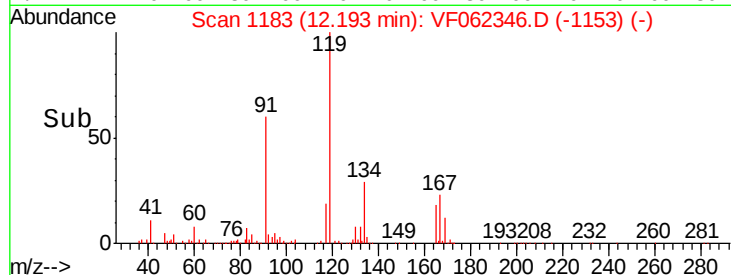
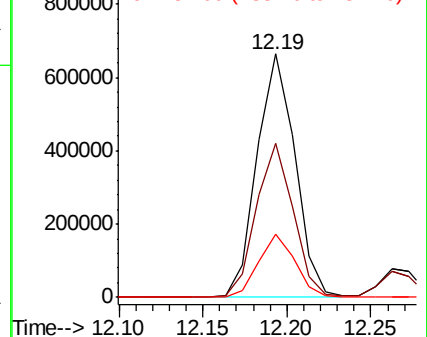
134 24.6 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 68.114 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VF062346.D

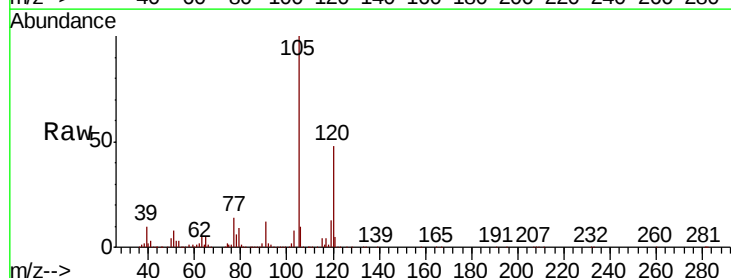
Acq: 6 May 2019 20:04

Tgt Ion:105 Resp: 954998

Ion Ratio Lower Upper

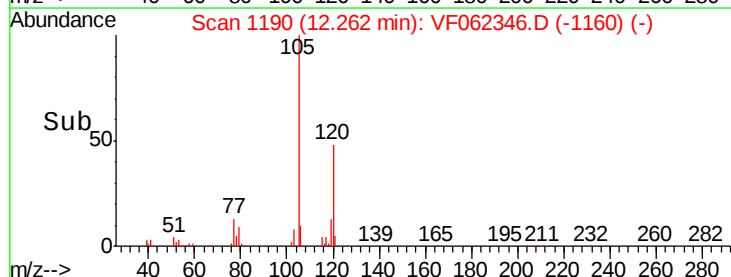
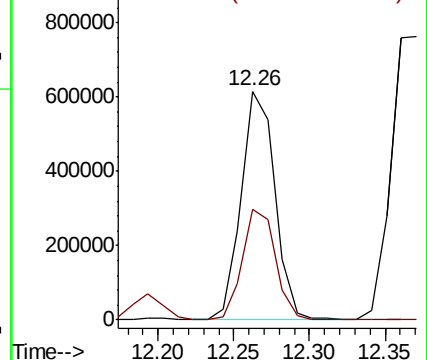
105 100

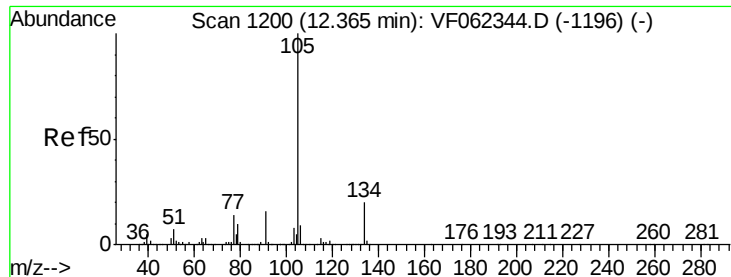
120 47.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 69.701 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

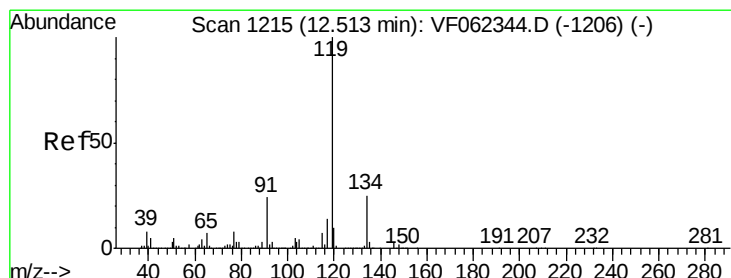
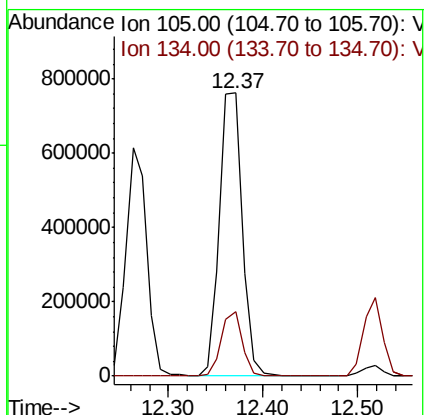
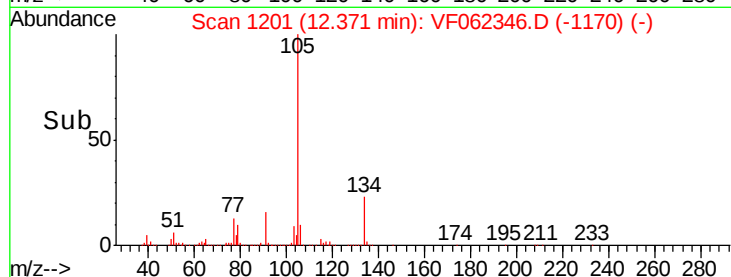
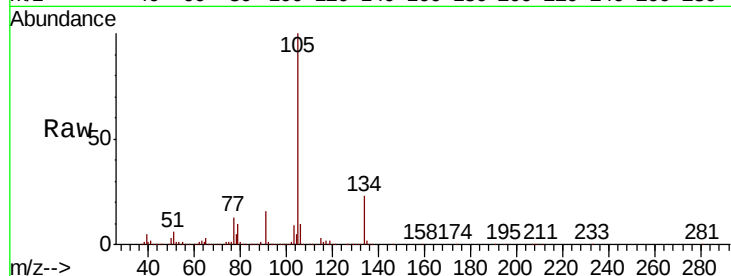
VSTDIC100

Tot Ion:105 Resp: 1280664

Ion Ratio Lower Upper

105 100

134 21.0 9.8 29.5



#86

p-Isopropyltoluene

Concen: 69.586 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

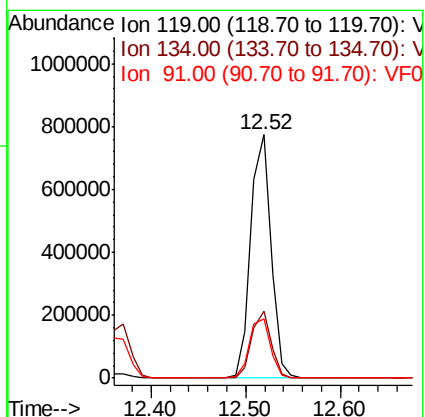
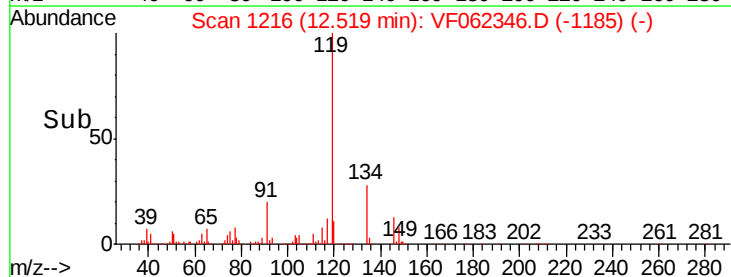
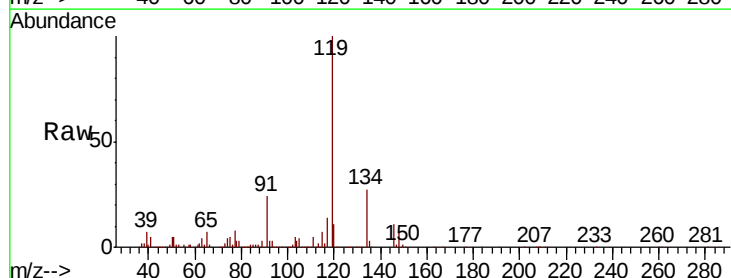
Tgt Ion:119 Resp: 1154326

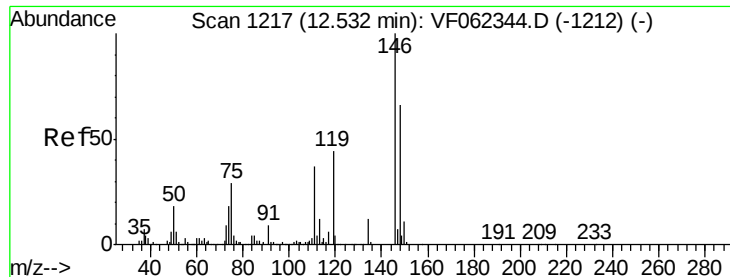
Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 25.1 12.3 36.8

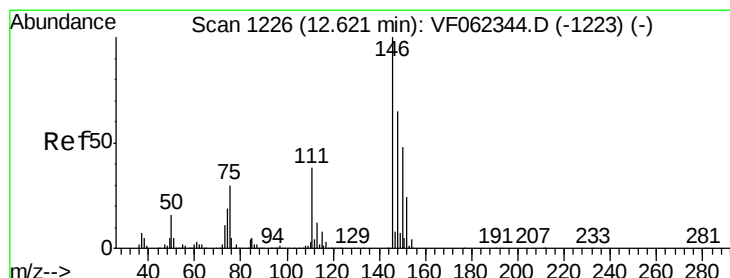
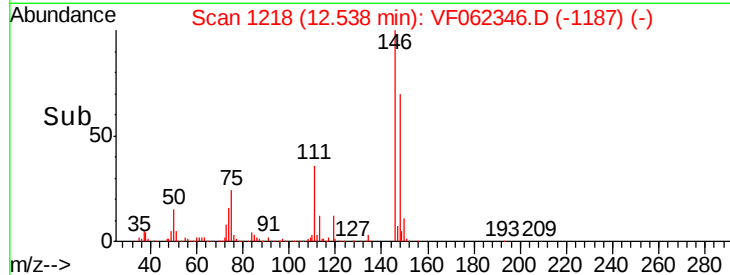
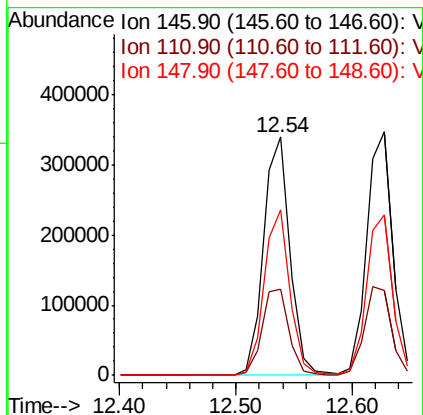
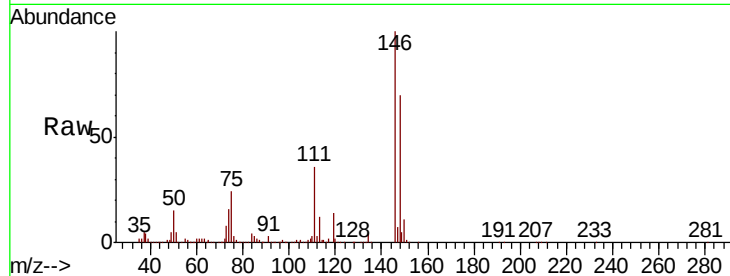




#87
 1,3-Dichlorobenzene
 Concen: 70.207 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

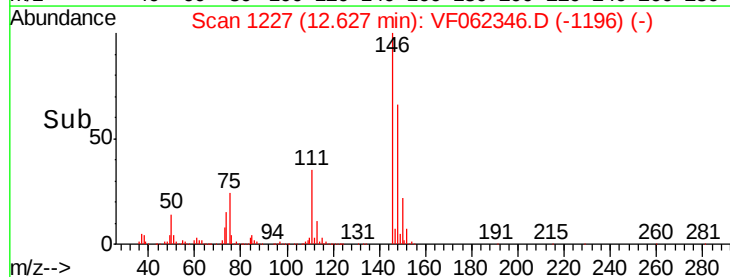
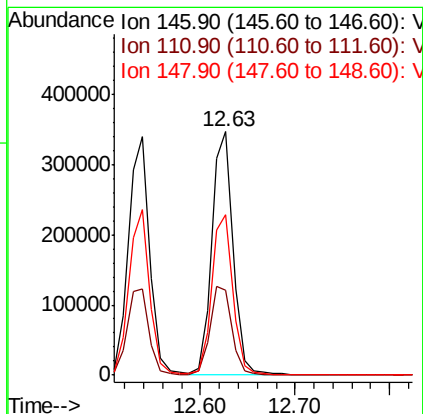
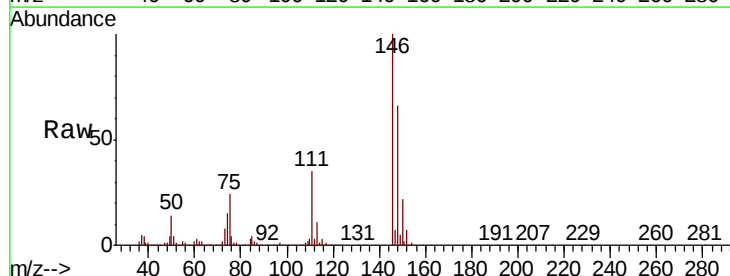
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

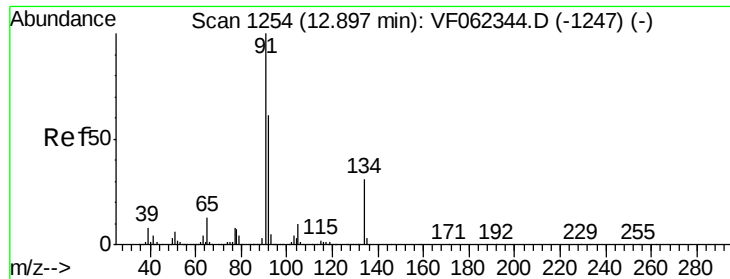
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.8
148	67.7	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 73.988 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	66.0	32.2	96.6





#89

n-Butylbenzene

Concen: 67.184 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062346.D

Acq: 6 May 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

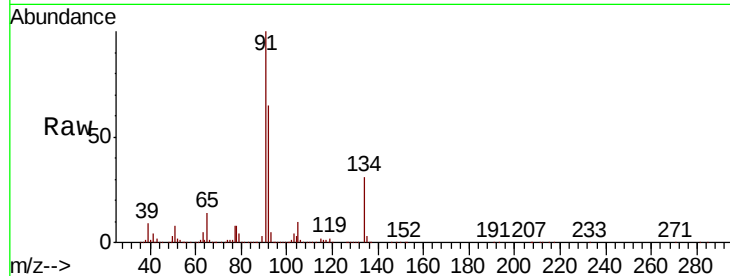
Tot Ion: 91 Resp: 1000303

Ion Ratio Lower Upper

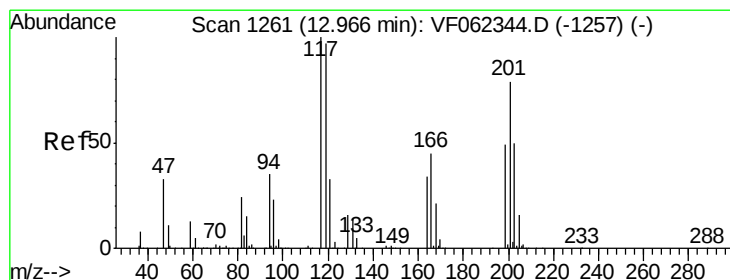
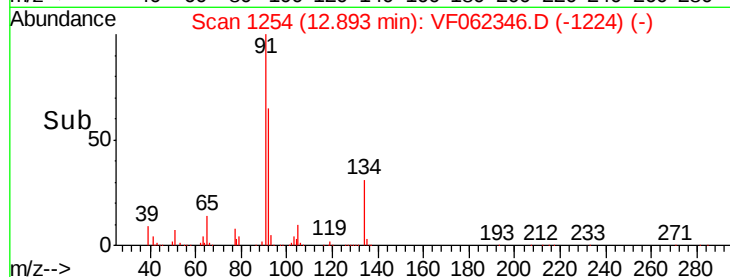
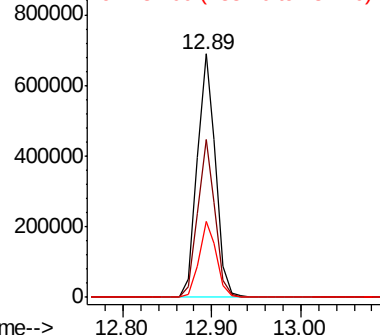
91 100

92 61.9 30.0 90.0

134 30.0 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 74.337 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062346.D

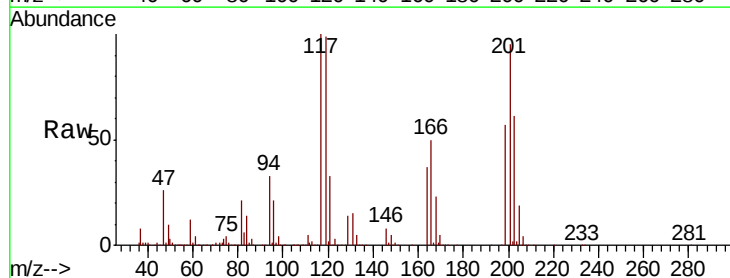
Acq: 6 May 2019 20:04

Tgt Ion: 117 Resp: 313278

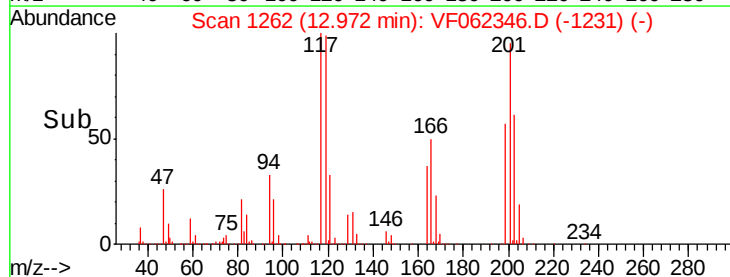
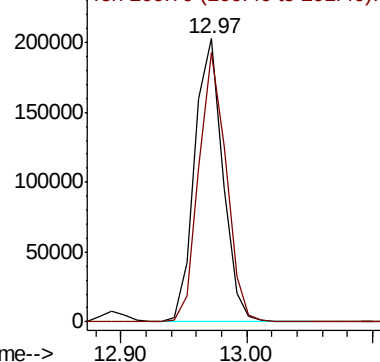
Ion Ratio Lower Upper

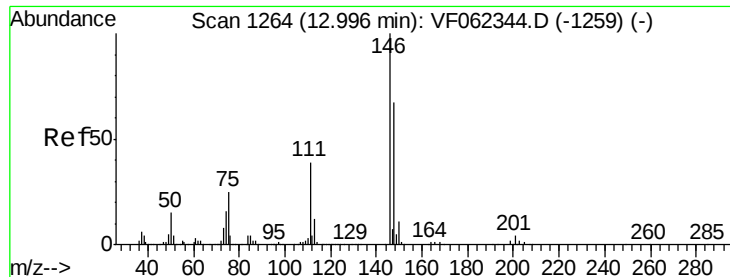
117 100

201 92.5 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

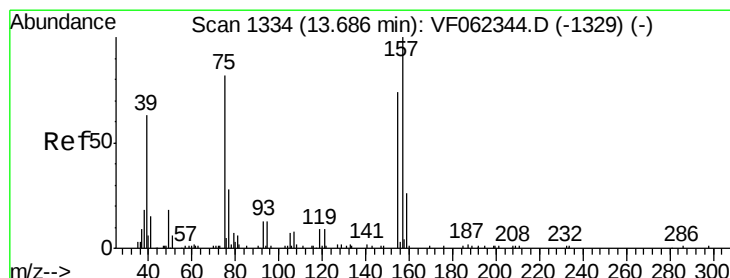
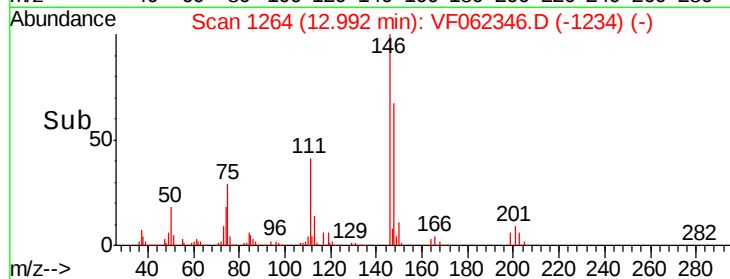
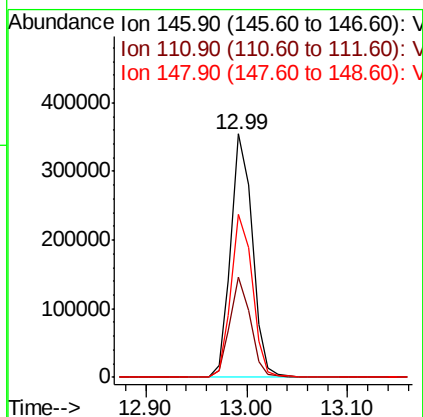
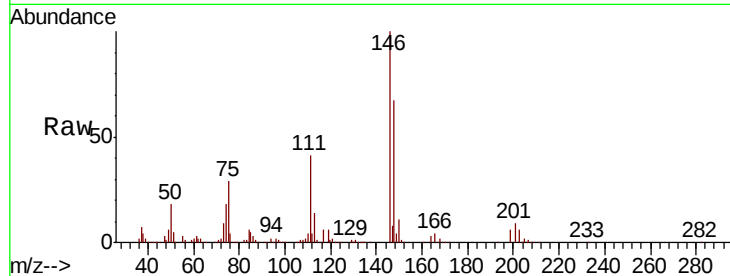




#91
 1,2-Dichlorobenzene
 Concen: 71.998 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

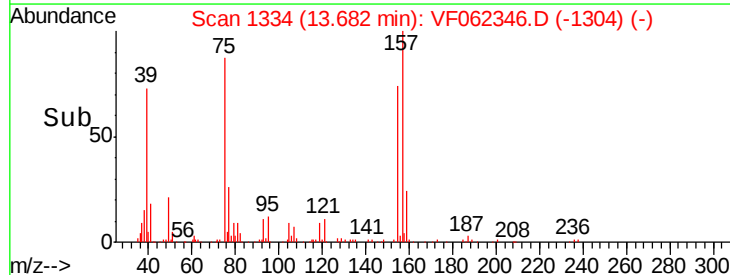
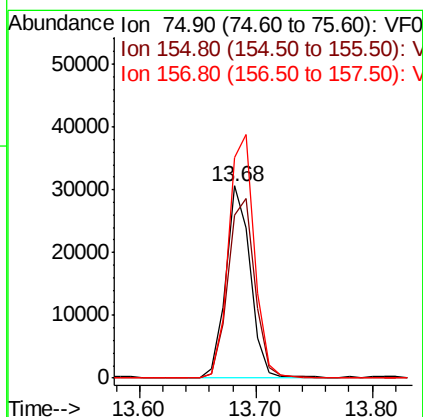
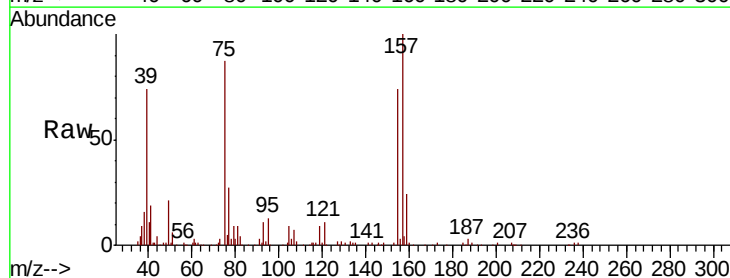
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

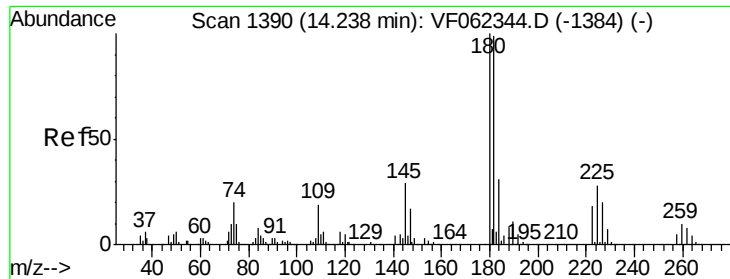
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	67.0	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.138 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	51.8	155.4
157	132.4	67.3	201.8

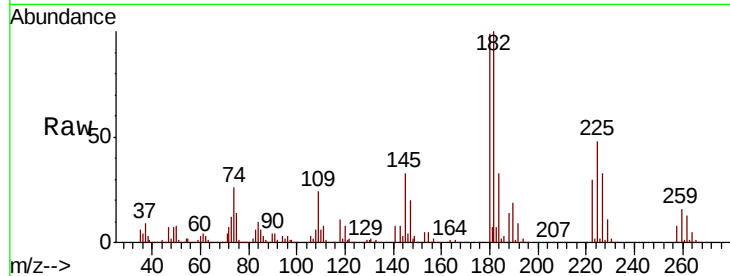




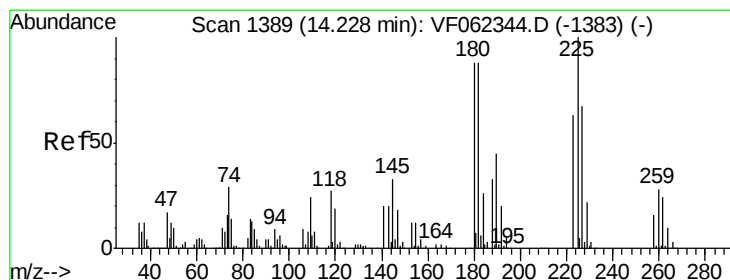
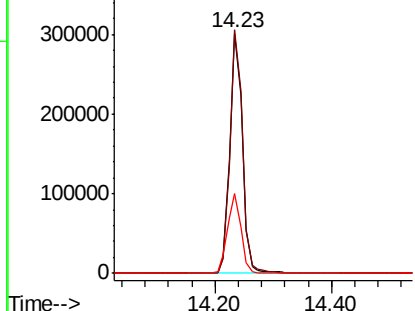
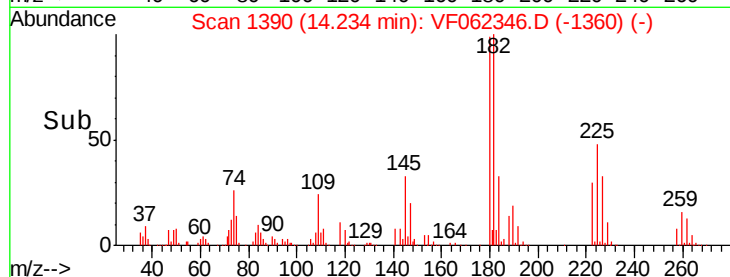
#93
 1,2,4-Trichlorobenzene
 Concen: 70.219 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 455467
 Ion Ratio Lower Upper
 180 100
 182 99.6 49.0 147.0
 145 35.1 16.7 50.1

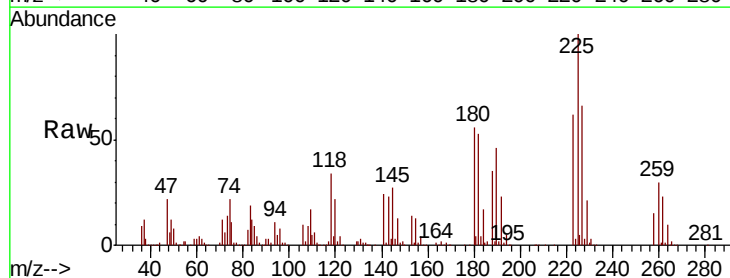


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

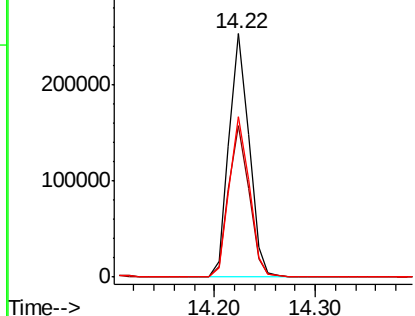
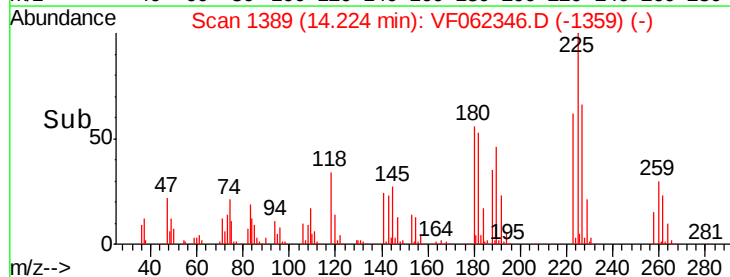


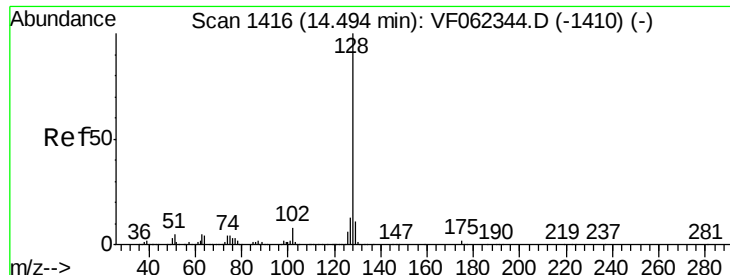
#94
 Hexachlorobutadiene
 Concen: 74.564 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062346.D
 Acq: 6 May 2019 20:04

Tgt Ion:225 Resp: 353785
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.9 95.5
 227 65.8 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

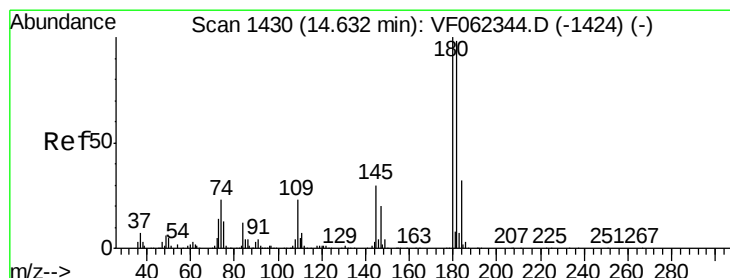
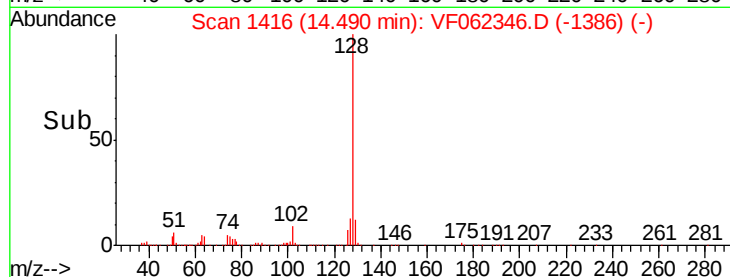
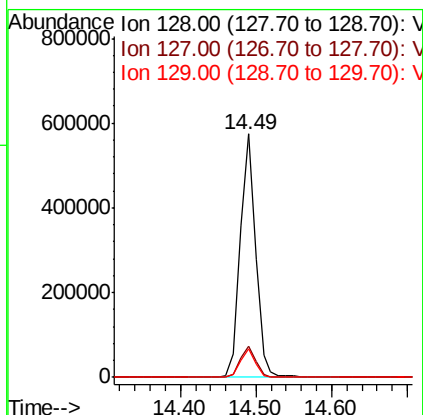
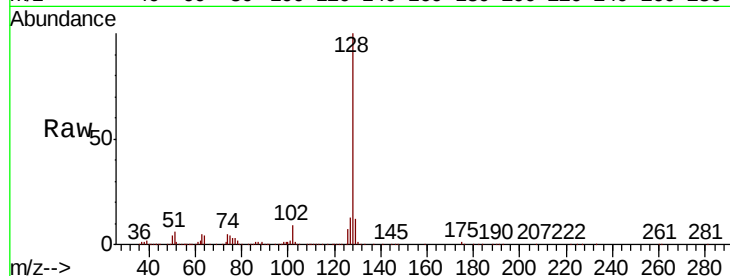




#95
Naphthalene
Concen: 79.470 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.1	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 76.347 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062346.D
Acq: 6 May 2019 20:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	49.4	148.0
145	30.6	14.8	44.3

