

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062351.D
 Acq On : 7 May 2019 12:17
 Operator : FY/SY
 Sample : VF0507SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Quant Time: May 07 12:41:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	320262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	418364	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	357628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	225415	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	158124	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	4.30	113	184720	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
50) Toluene-d8	7.70	98	443949	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	11.49	95	200069	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	87545	23.619	ug/l	93
3) Chloromethane	1.15	50	54664	22.362	ug/l	99
4) Vinyl Chloride	1.18	62	53001	21.737	ug/l	95
5) Bromomethane	1.39	94	44370	22.748	ug/l	95
6) Chloroethane	1.44	64	28837	23.524	ug/l #	81
7) Trichlorofluoromethane	1.57	101	116471	23.022	ug/l	96
8) Diethyl Ether	1.71	74	15568	20.337	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	64969	22.494	ug/l	97
10) Methyl Iodide	1.97	142	108648	22.826	ug/l	97
11) Tert butyl alcohol	2.69	59	16413	95.951	ug/l #	85
12) 1,1-Dichloroethene	1.87	96	52245	21.277	ug/l #	88
13) Acrolein	2.09	56	12324	104.249	ug/l	91
14) Allyl chloride	2.19	41	87321	40.259	ug/l #	86
15) Acrylonitrile	3.09	53	36365	112.230	ug/l	92
16) Acetone	2.35	43	69954	114.255	ug/l	100
17) Carbon Disulfide	1.91	76	122096	22.805	ug/l #	92
18) Methyl Acetate	2.47	43	21701	17.393	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	109861	21.675	ug/l	96
20) Methylene Chloride	2.33	84	35032	15.815	ug/l #	91
21) trans-1,2-Dichloroethene	2.42	96	48966	20.931	ug/l	98
22) Diisopropyl ether	2.93	45	141507	20.874	ug/l	98
23) Vinyl Acetate	3.34	43	322793	106.837	ug/l	99
24) 1,1-Dichloroethane	3.01	63	89907	21.944	ug/l	99
25) 2-Butanone	4.53	43	85027	110.540	ug/l	98
26) 2,2-Dichloropropane	3.78	77	54223	23.699	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	61944	21.183	ug/l	93
28) Bromochloromethane	3.89	49	36476	19.630	ug/l	99
29) Tetrahydrofuran	4.26	42	36247	102.531	ug/l	99
30) Chloroform	4.04	83	121811	22.007	ug/l	99
31) Cyclohexane	3.86	56	75118	22.970	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	108044	22.775	ug/l #	91
36) 1,1-Dichloropropene	4.47	75	82337	22.910	ug/l	100
37) Ethyl Acetate	4.29	43	32313	19.919	ug/l #	90
38) Carbon Tetrachloride	4.18	117	120878	31.392	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	82658	22.933	ug/l	97
40) Benzene	4.82	78	183816	23.227	ug/l	97
41) Methacrylonitrile	4.92	41	17309	20.086	ug/l #	71
42) 1,2-Dichloroethane	5.12	62	70151	21.194	ug/l	99
43) Isopropyl Acetate	7.11	43	34032	20.819	ug/l #	97
44) Trichloroethene	5.68	130	67655	23.272	ug/l	94
45) 1,2-Dichloropropane	6.40	63	38559	21.511	ug/l	99
46) Dibromomethane	6.25	93	31317	21.071	ug/l	92
47) Bromodichloromethane	6.55	83	81534	21.942	ug/l	99
48) Methyl methacrylate	6.87	41	22769	19.710	ug/l	92
49) 1,4-Dioxane	6.87	88	5013	414.276	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	129815	104.802	ug/l	99
52) Toluene	7.78	92	107630	22.045	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	60578	21.555	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	69890	21.368	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	33952	21.907	ug/l #	83
56) Ethyl methacrylate	8.75	69	33930	20.739	ug/l	93
57) 1,3-Dichloropropane	8.99	76	49652	21.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	51731	105.173	ug/l	97
59) 2-Hexanone	9.62	43	92731	108.246	ug/l	98
60) Dibromochloromethane	8.85	129	56365	22.236	ug/l	97
61) 1,2-Dibromoethane	9.12	107	39436	21.649	ug/l	99
64) Tetrachloroethene	8.30	164	63347	21.819	ug/l	99
65) Chlorobenzene	9.93	112	132093	22.324	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	68078	22.806	ug/l	95
67) Ethyl Benzene	10.03	91	235511	22.729	ug/l	98
68) m/p-Xylenes	10.25	106	177626	46.462	ug/l	96
69) o-Xylene	10.81	106	95408	23.095	ug/l	92
70) Styrene	10.88	104	141587	22.869	ug/l	98
71) Bromoform	10.87	173	33785	20.659	ug/l #	96
73) Isopropylbenzene	11.21	105	302099	22.606	ug/l	99
74) N-amyl acetate	11.45	43	59027	20.574	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	41949	20.048	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	32612	20.429	ug/l #	100
77) Bromobenzene	11.57	156	74164	21.146	ug/l	99
78) n-propylbenzene	11.66	91	313664	22.046	ug/l	98
79) 2-Chlorotoluene	11.79	91	193630	21.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	251595	21.480	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	17299	28.829	ug/l #	75
82) 4-Chlorotoluene	11.97	91	194215	22.227	ug/l	99
83) tert-Butylbenzene	12.19	119	274594	22.307	ug/l	96
84) 1,2,4-Trimethylbenzene	12.26	105	249377	21.756	ug/l	98
85) sec-Butylbenzene	12.36	105	320316	21.378	ug/l	98
86) p-Isopropyltoluene	12.51	119	317214	22.787	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	140144	21.879	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	137300	22.209	ug/l	99
89) n-Butylbenzene	12.89	91	285902	23.084	ug/l	96
90) Hexachloroethane	12.97	117	73811	21.236	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	135631	21.877	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8651	18.455	ug/l	97

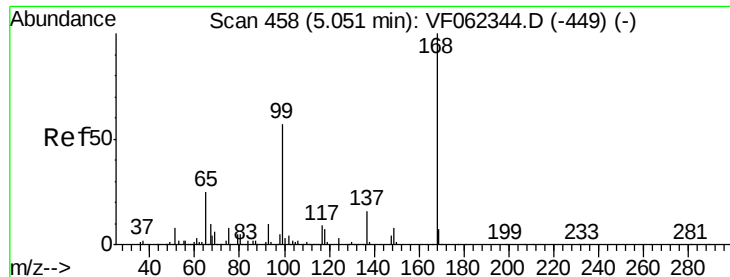
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	122678	22.061	ug/l	97
94) Hexachlorobutadiene	14.22	225	92656	22.355	ug/l	96
95) Naphthalene	14.49	128	164742	19.705	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	114493	21.252	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

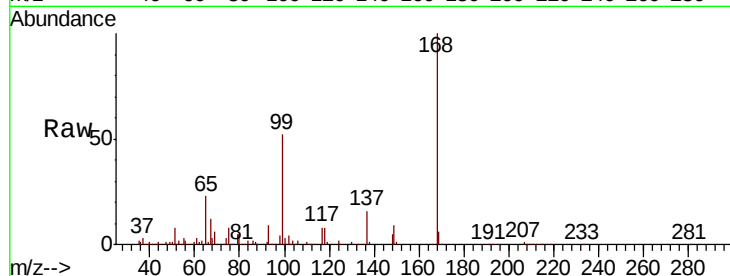
VF0507SBS01

Tgt Ion:168 Resp: 320262

Ion Ratio Lower Upper

168 100

99 51.7 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

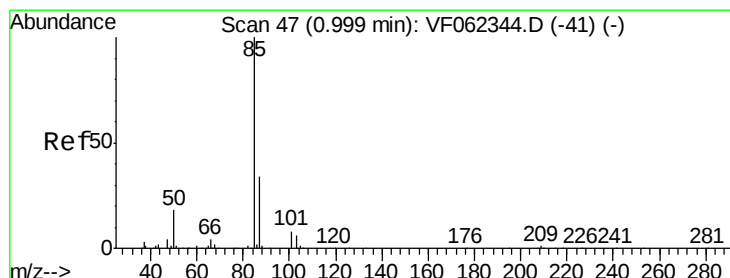
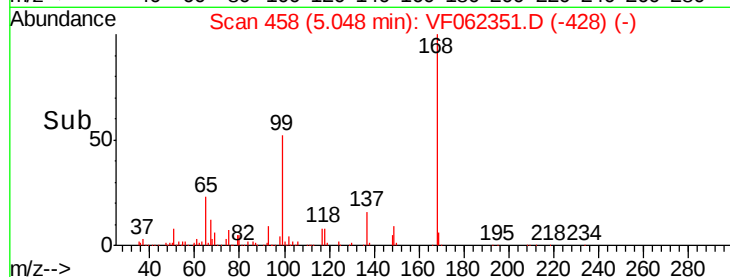
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.619 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062351.D

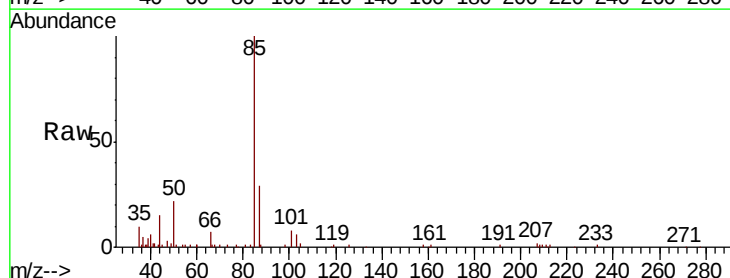
Acq: 7 May 2019 12:17

Tgt Ion: 85 Resp: 87545

Ion Ratio Lower Upper

85 100

87 29.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

25000

20000

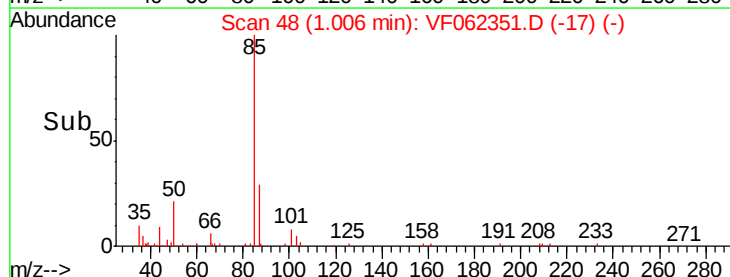
15000

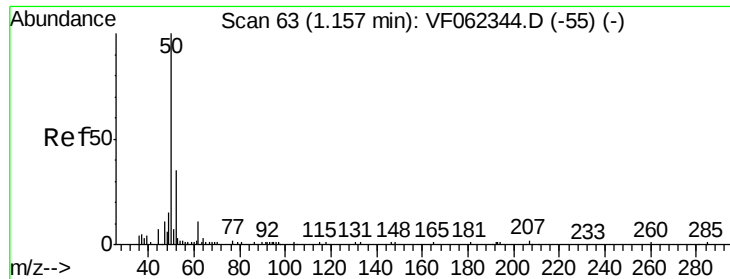
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.362 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

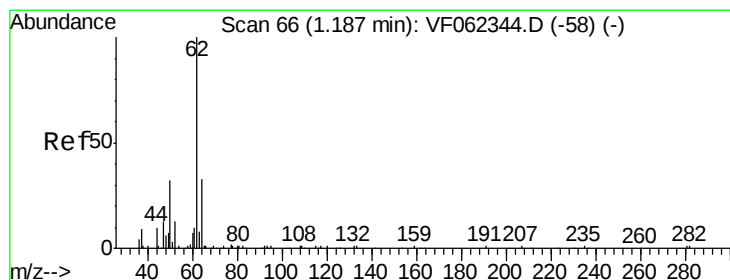
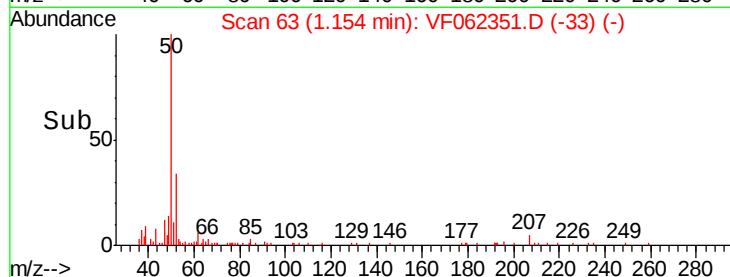
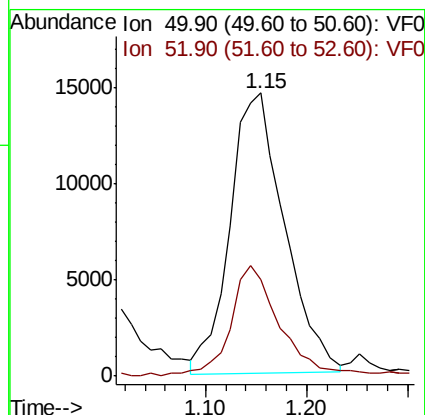
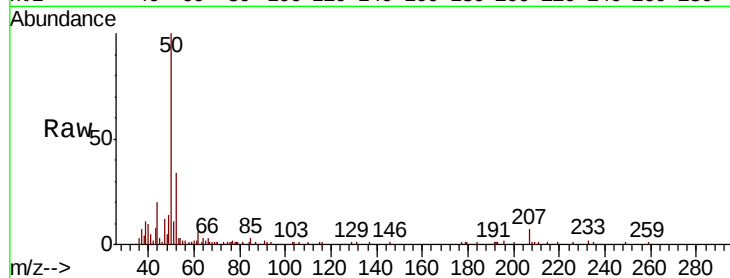
VF0507SBS01

Tgt Ion: 50 Resp: 54664

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



#4

Vinyl Chloride

Concen: 21.737 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062351.D

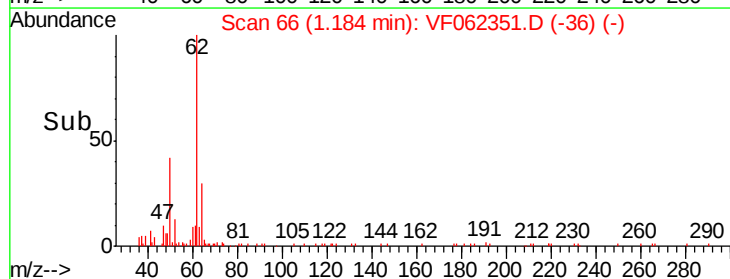
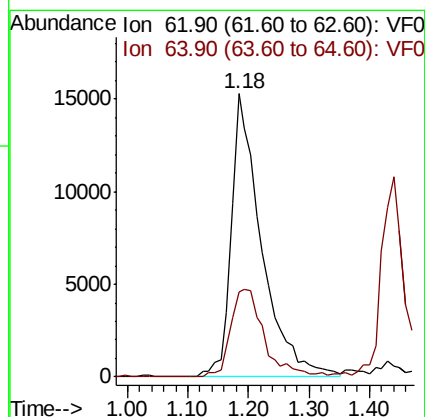
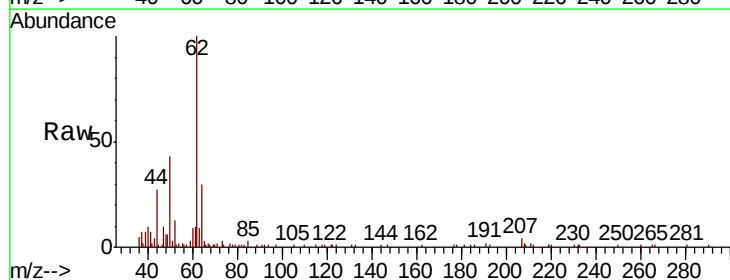
Acq: 7 May 2019 12:17

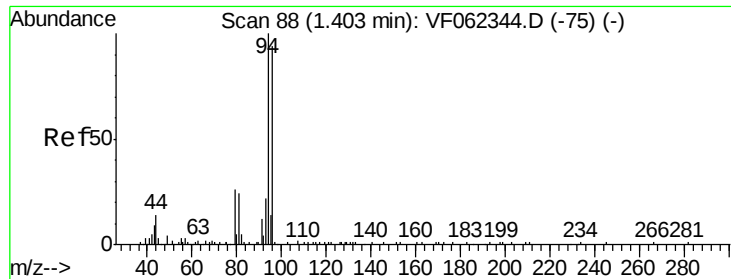
Tgt Ion: 62 Resp: 53001

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 22.748 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

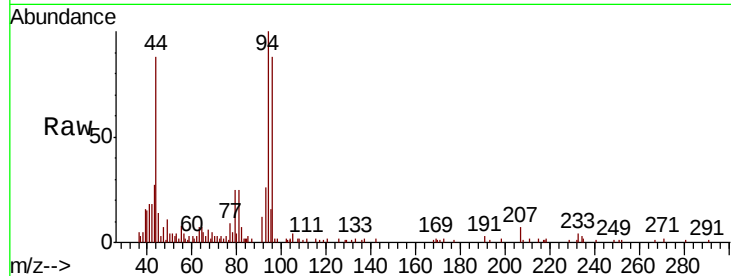
VF0507SBS01

Tgt Ion: 94 Resp: 44370

Ion Ratio Lower Upper

94 100

96 89.9 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.39

10000

8000

6000

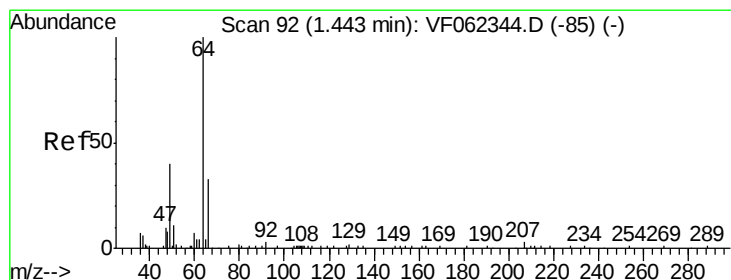
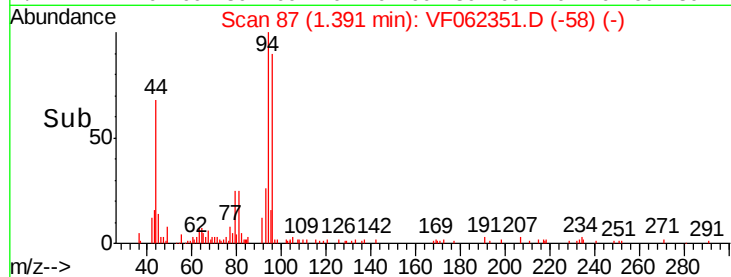
4000

2000

0

Time-->

1.20 1.30 1.40 1.50 1.60



#6

Chloroethane

Concen: 23.524 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062351.D

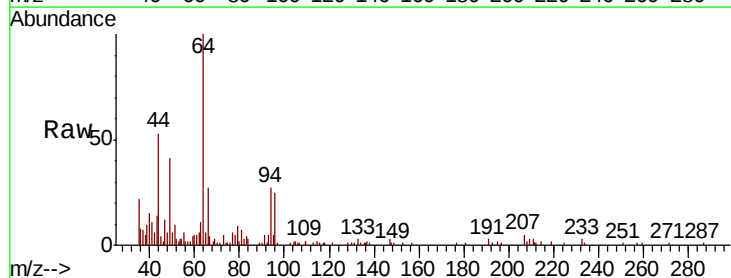
Acq: 7 May 2019 12:17

Tgt Ion: 64 Resp: 28837

Ion Ratio Lower Upper

64 100

66 22.3 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

12000

10000

8000

6000

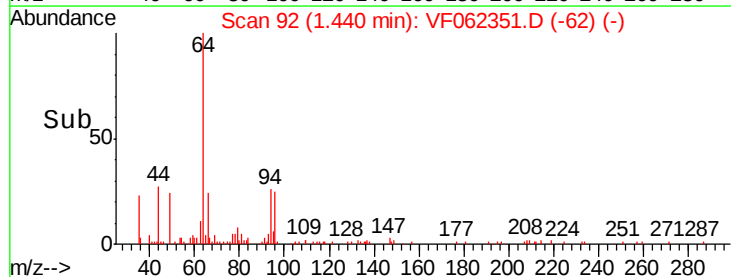
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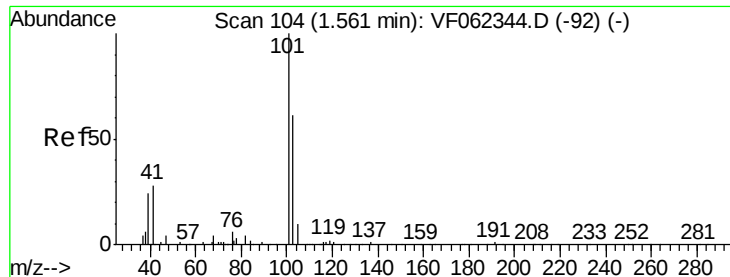
2000

0

Time-->

1.30 1.40 1.50 1.60



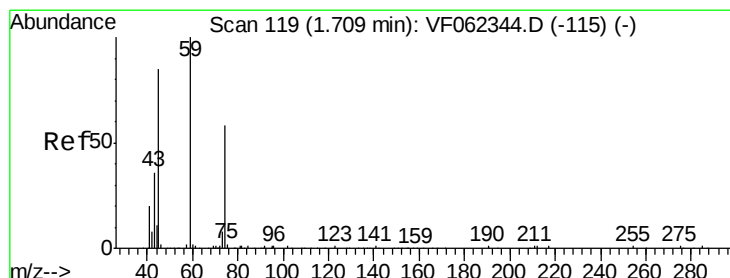
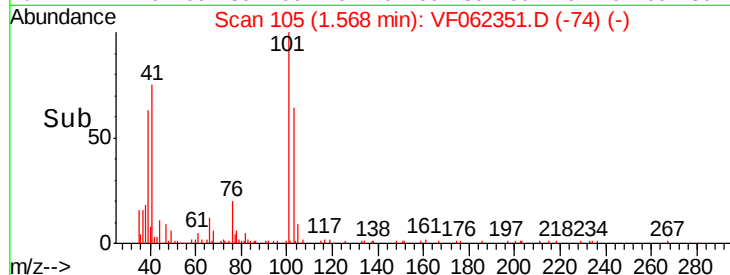
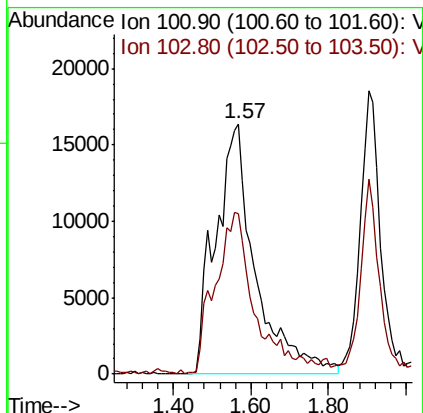
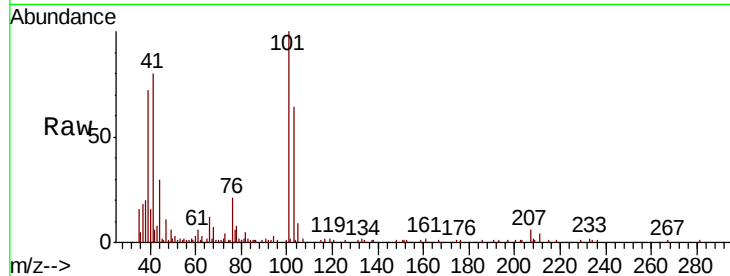


#7

Trichlorofluoromethane
 Concen: 23.022 ug/l
 RT: 1.57 min Scan# 105
 Delta R.T. 0.01 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

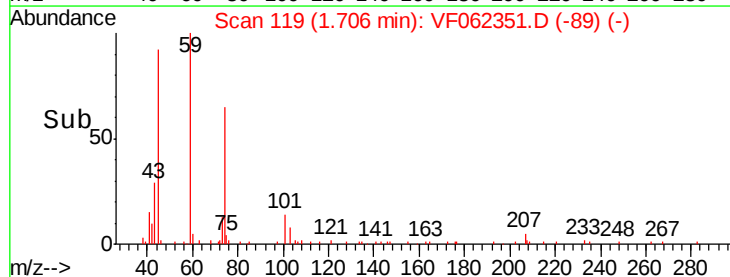
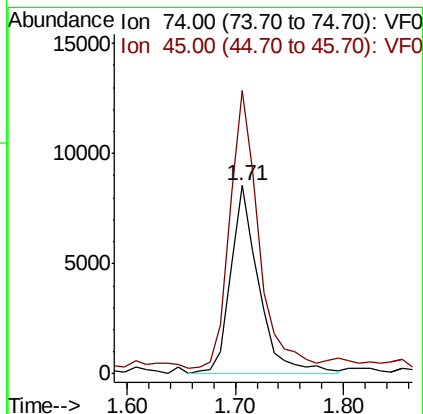
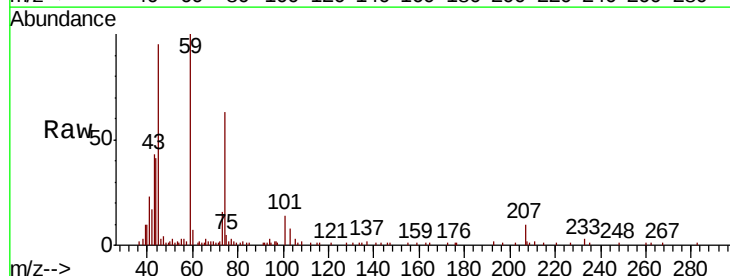
Tgt Ion:101 Resp: 116471
 Ion Ratio Lower Upper
 101 100
 103 63.4 48.5 72.7



#8

Diethyl Ether
 Concen: 20.337 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion: 74 Resp: 15568
 Ion Ratio Lower Upper
 74 100
 45 149.8 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.494 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

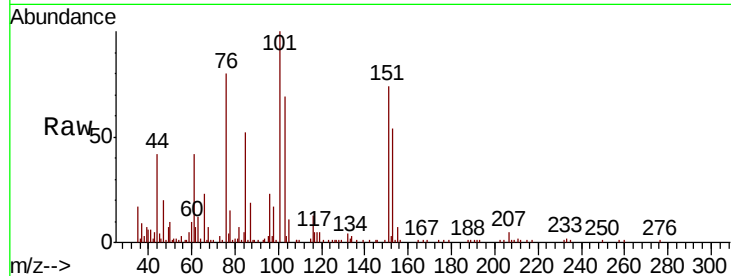
Tgt Ion:101 Resp: 64969

Ion Ratio Lower Upper

101 100

85 51.5 39.5 59.3

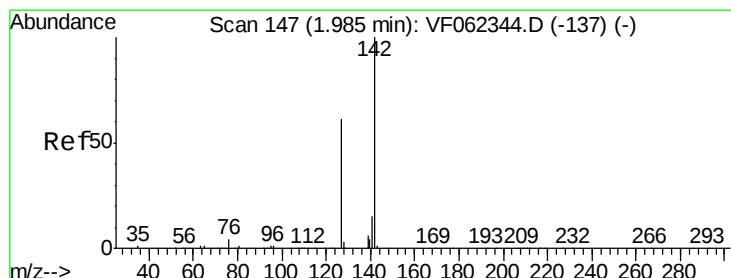
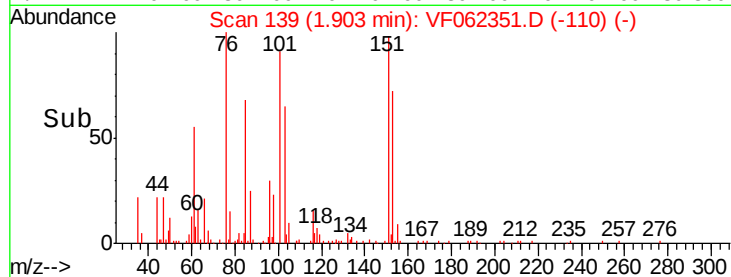
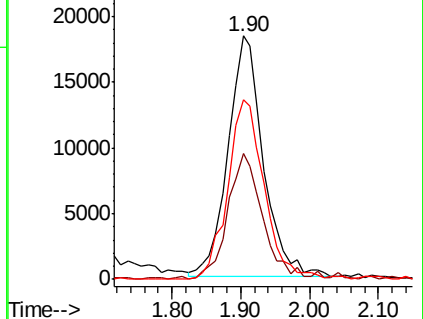
151 77.5 59.9 89.9



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: 22.826 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

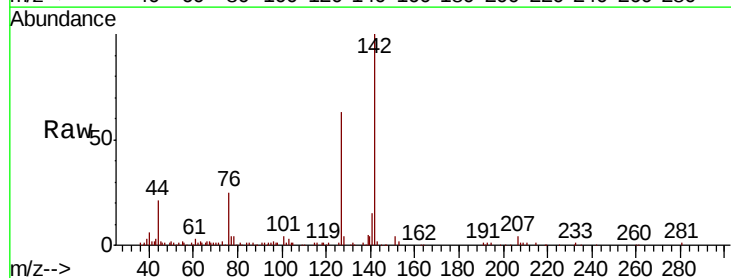
Tgt Ion:142 Resp: 108648

Ion Ratio Lower Upper

142 100

127 62.8 48.4 72.6

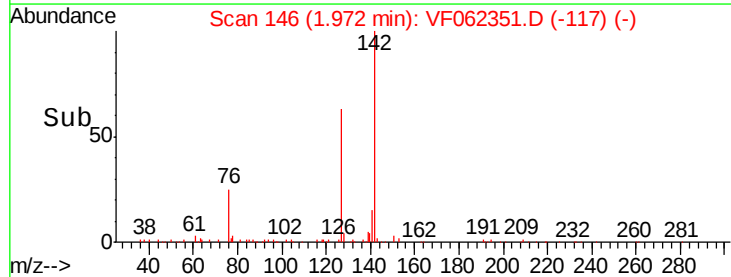
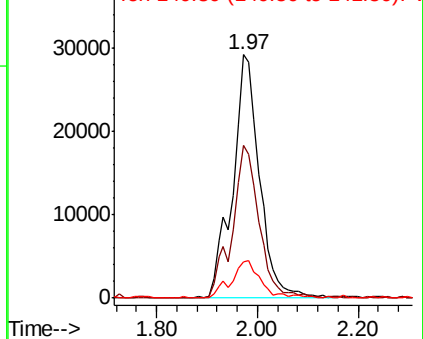
141 16.3 12.2 18.4

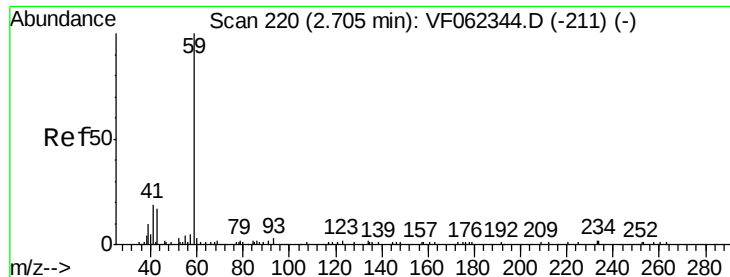


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



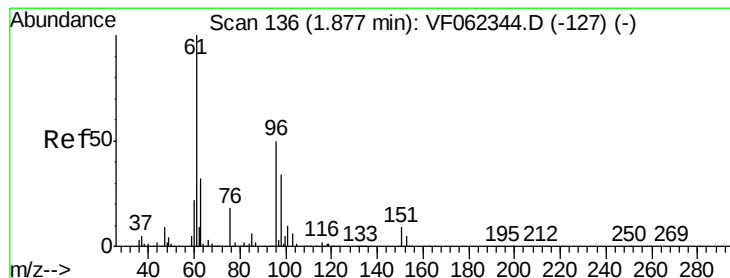
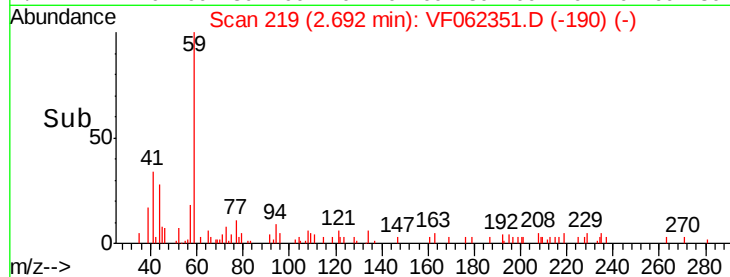
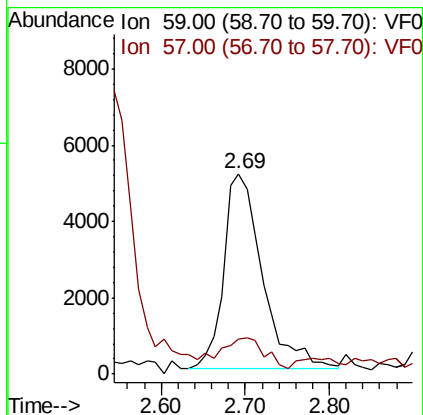
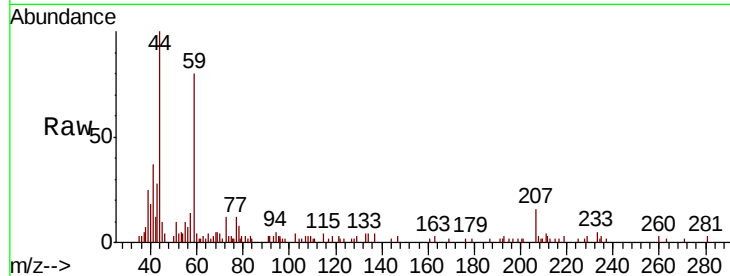


#11

Tert butyl alcohol
Concen: 95.951 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

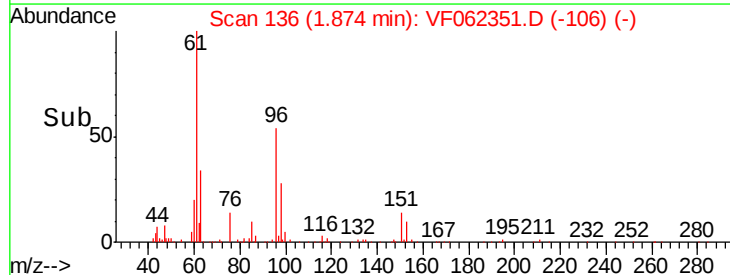
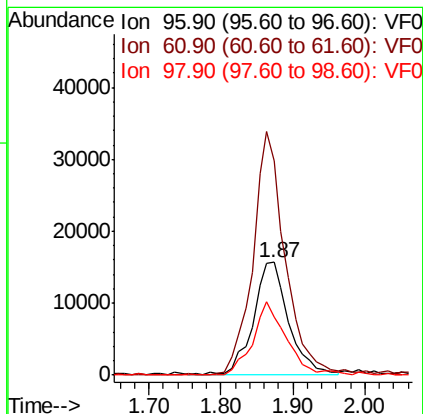
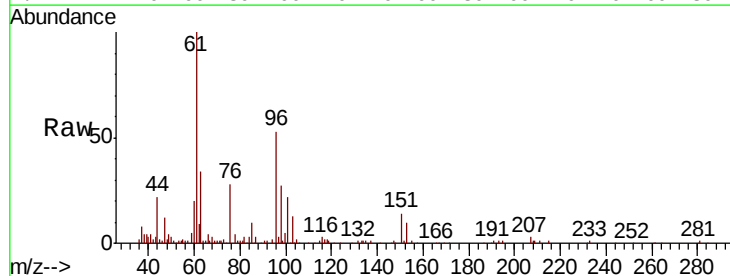
Tgt Ion: 59 Resp: 16413
Ion Ratio Lower Upper
59 100
57 17.5 9.3 13.9#

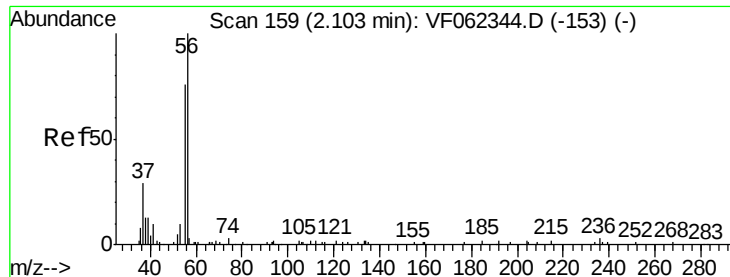


#12

1,1-Dichloroethene
Concen: 21.277 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 96 Resp: 52245
Ion Ratio Lower Upper
96 100
61 190.6 163.2 244.8
98 52.1 55.2 82.8#





#13

Acrolein

Concen: 104.249 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

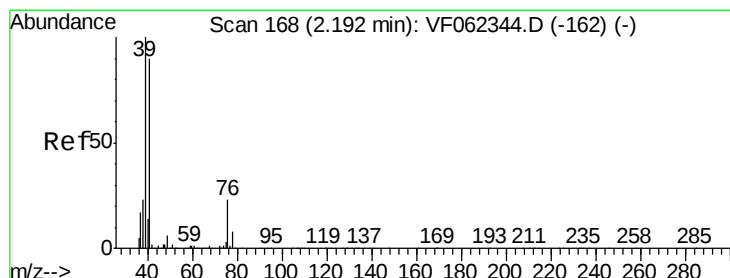
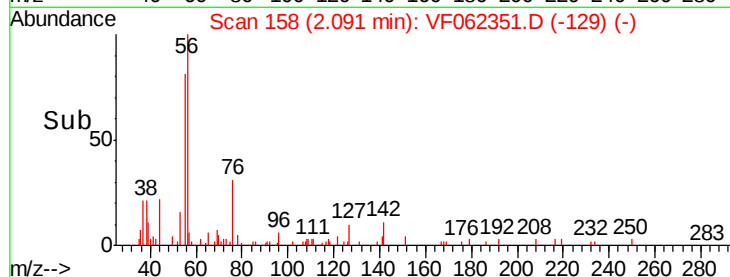
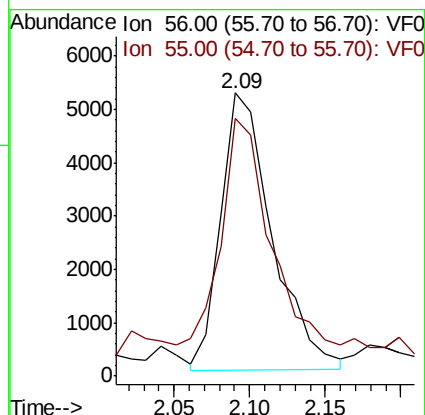
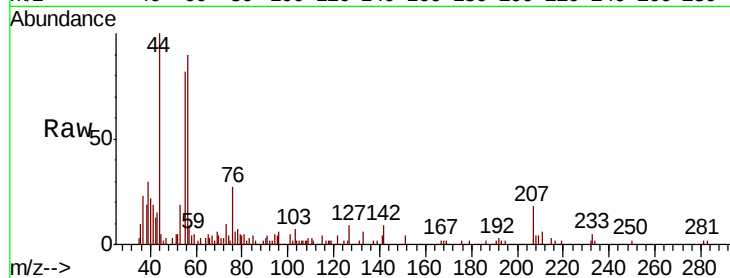
VF0507SBS01

Tgt Ion: 56 Resp: 12324

Ion Ratio Lower Upper

56 100

55 80.2 58.4 87.6



#14

Allyl chloride

Concen: 40.259 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

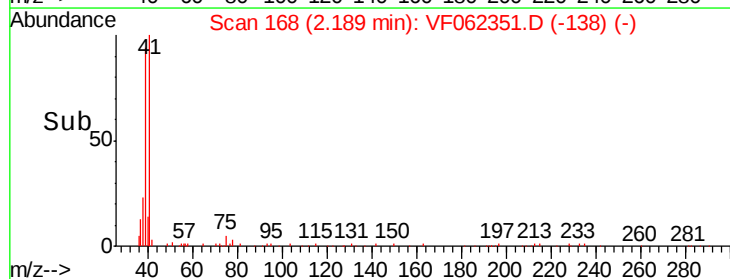
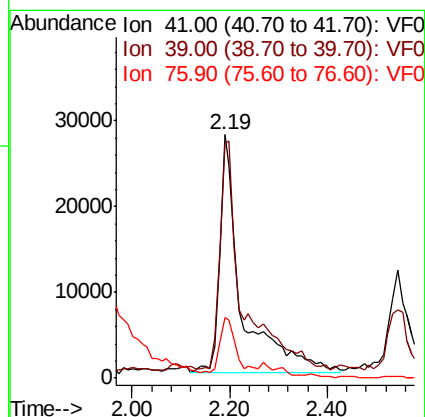
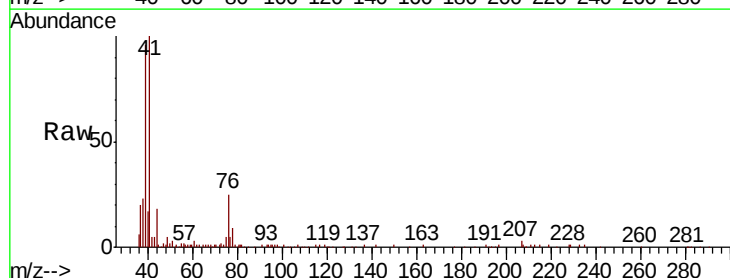
Tgt Ion: 41 Resp: 87321

Ion Ratio Lower Upper

41 100

39 100.2 90.8 136.2

76 15.8 22.2 33.4#





#15

Acrylonitrile

Concen: 112.230 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

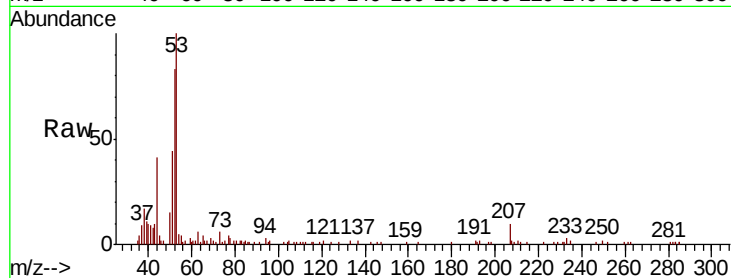
MSVOA_F

ClientSampleId :

VF0507SBS01

Tgt Ion: 53 Resp: 36365

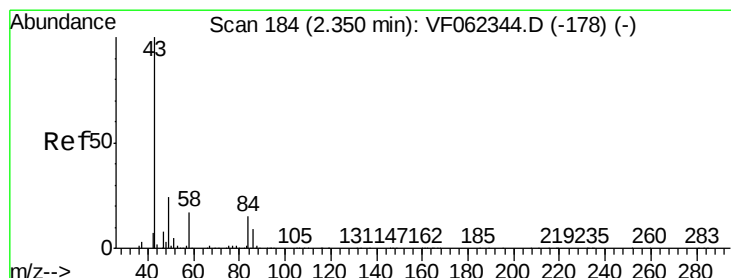
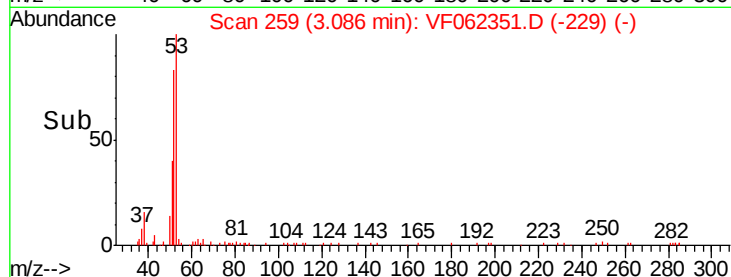
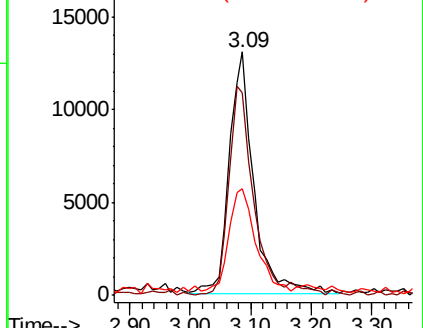
Ion	Ratio	Lower	Upper
53	100		
52	85.9	77.2	115.8
51	48.6	40.6	61.0



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: 114.255 ug/l

RT: 2.35 min Scan# 184

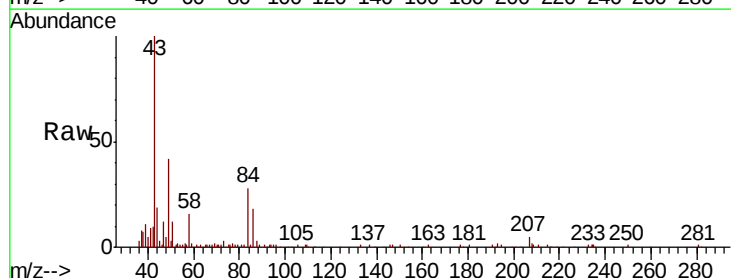
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

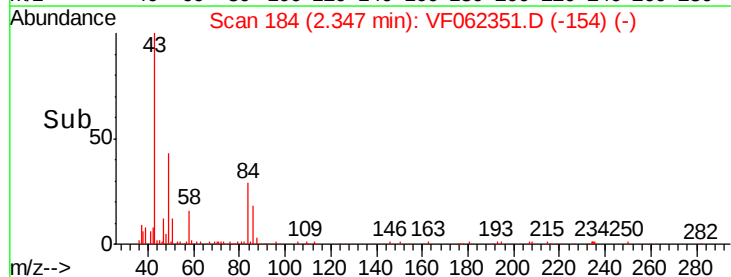
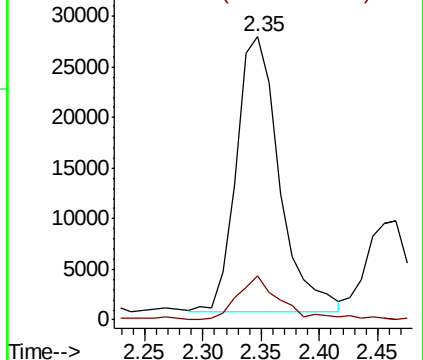
Tgt Ion: 43 Resp: 69954

Ion	Ratio	Lower	Upper
43	100		
58	16.3	13.1	19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

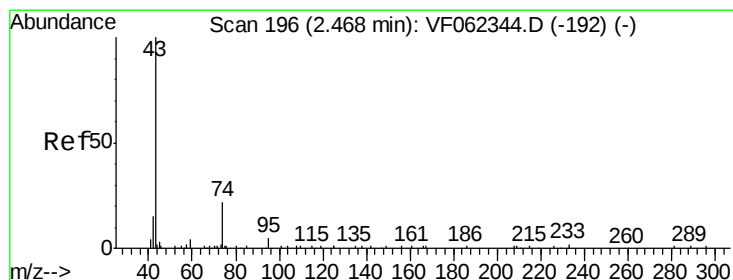
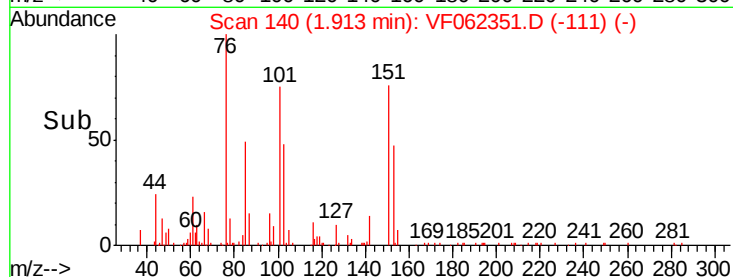
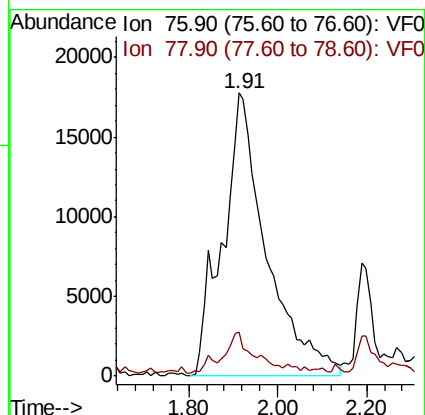
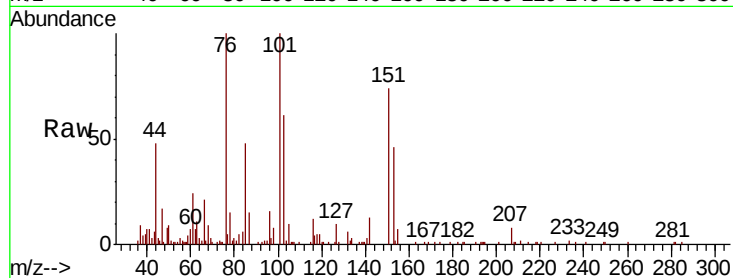




#17
Carbon Disulfide
Concen: 22.805 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

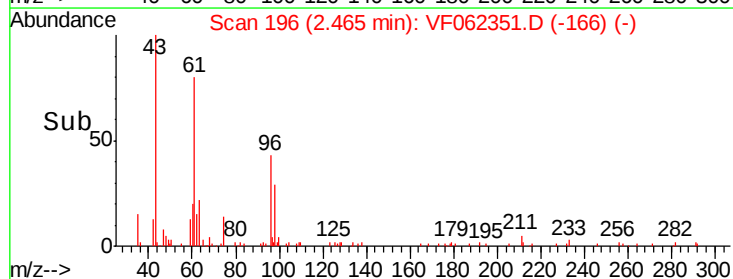
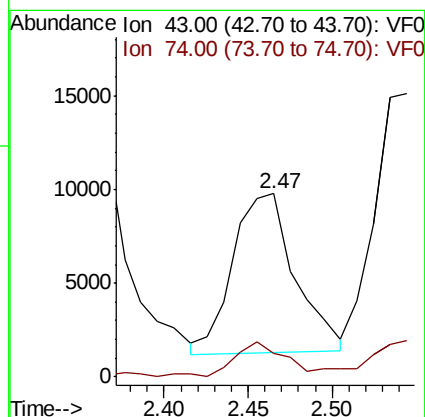
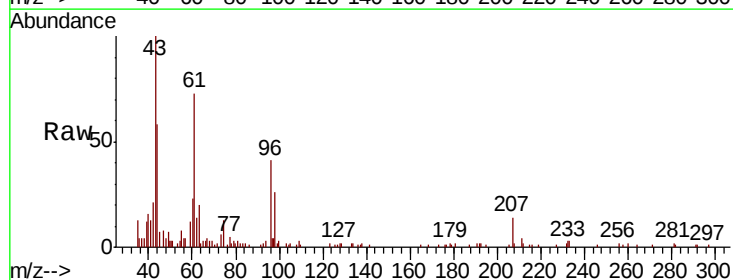
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

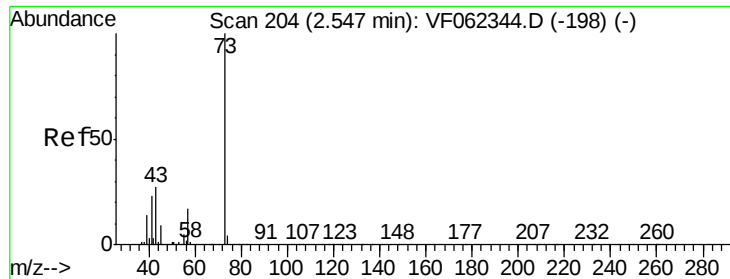
Tgt Ion: 76 Resp: 122096
Ion Ratio Lower Upper
76 100
78 14.4 9.0 13.4#



#18
Methyl Acetate
Concen: 17.393 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 43 Resp: 21701
Ion Ratio Lower Upper
43 100
74 20.2 15.0 22.4

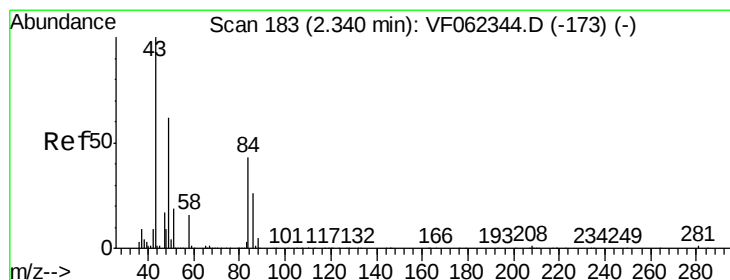
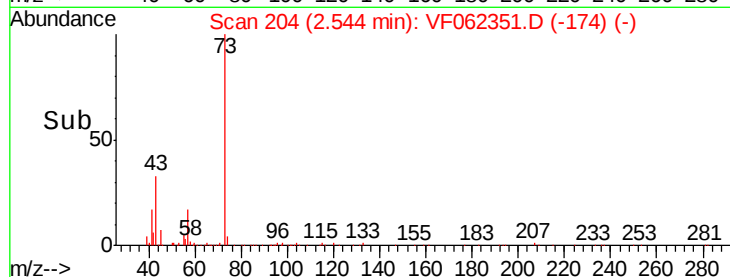
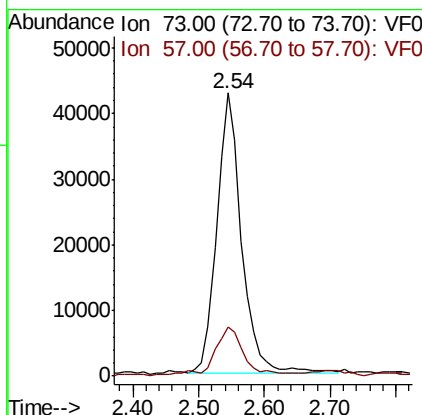
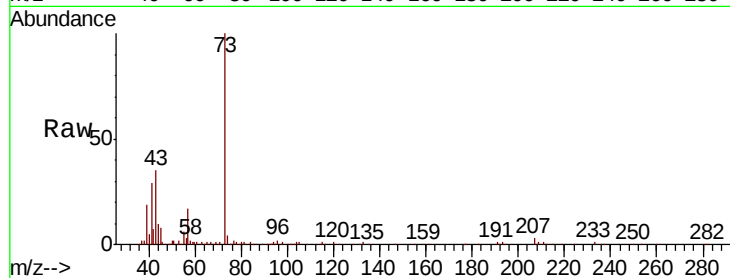




#19
Methyl tert-butyl Ether
Concen: 21.675 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

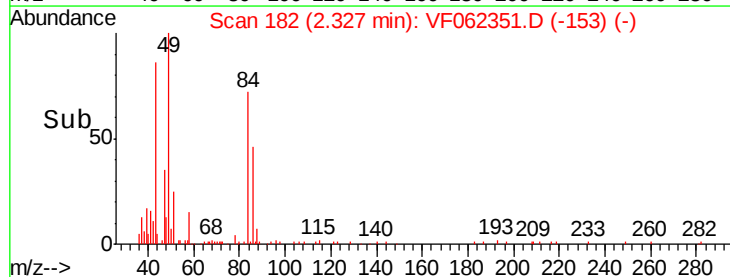
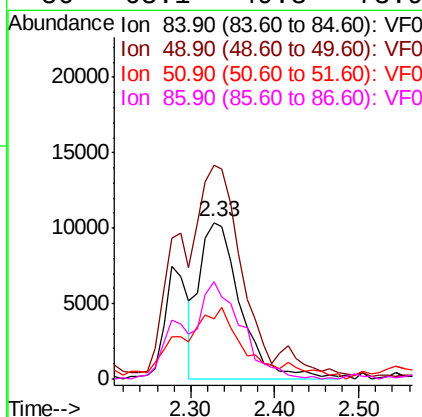
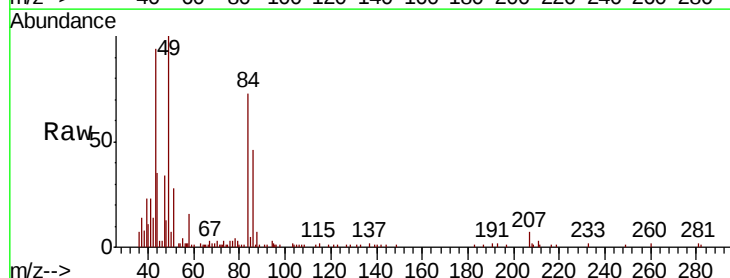
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

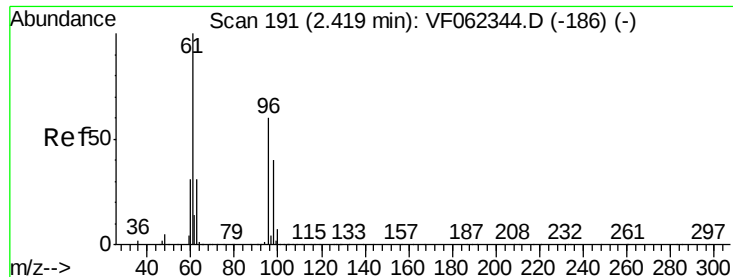
Tgt Ion: 73 Resp: 109861
Ion Ratio Lower Upper
73 100
57 15.3 13.7 20.5



#20
Methylene Chloride
Concen: 15.815 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 84 Resp: 35032
Ion Ratio Lower Upper
84 100
49 133.8 117.5 176.3
51 35.7 37.0 55.4#
86 63.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.931 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

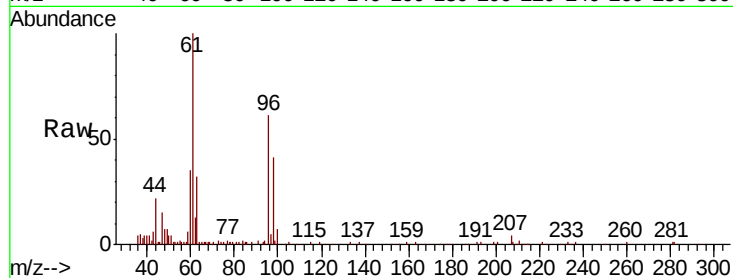
Tgt Ion: 96 Resp: 48966

Ion Ratio Lower Upper

96 100

61 164.2 133.2 199.8

98 67.2 53.1 79.7

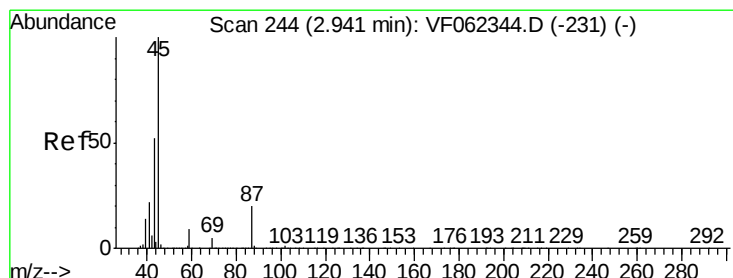
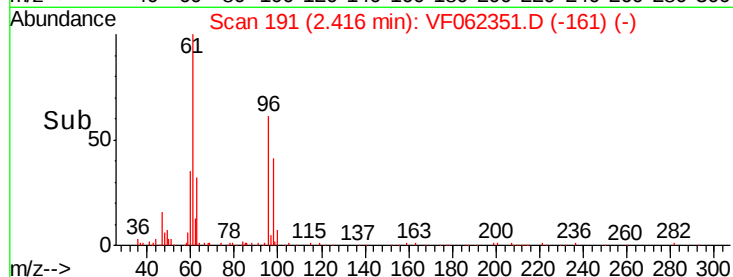
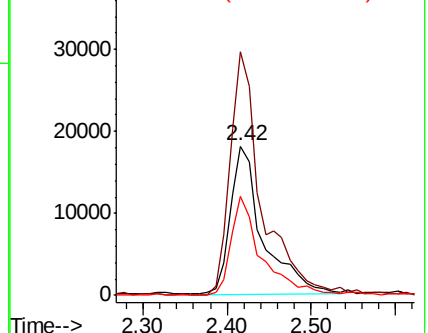


Abundance

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: 20.874 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion: 45 Resp: 141507

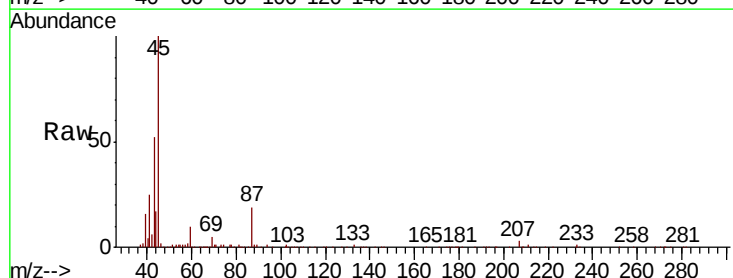
Ion Ratio Lower Upper

45 100

43 50.1 41.4 62.0

87 18.7 15.8 23.6

59 9.2 7.2 10.8



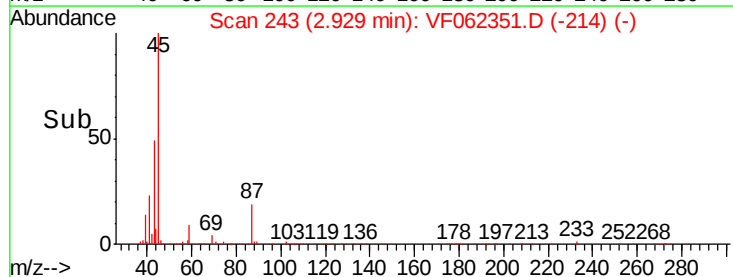
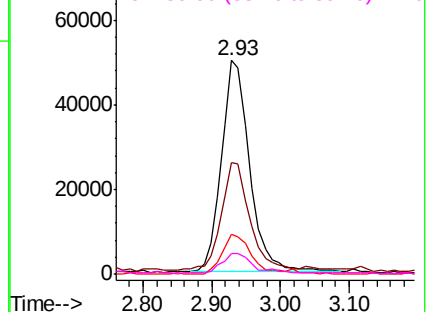
Abundance

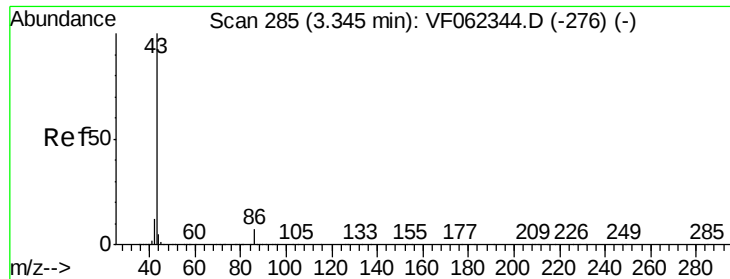
Ion 45.00 (44.70 to 45.70): VF0

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: 106.837 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

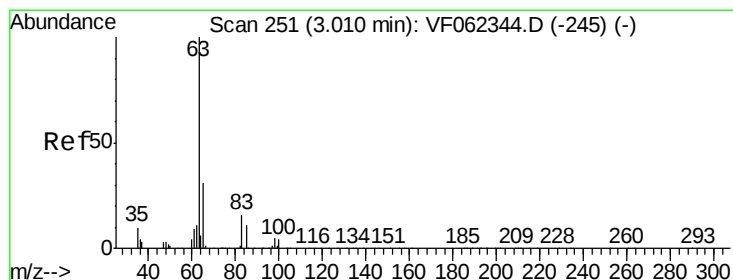
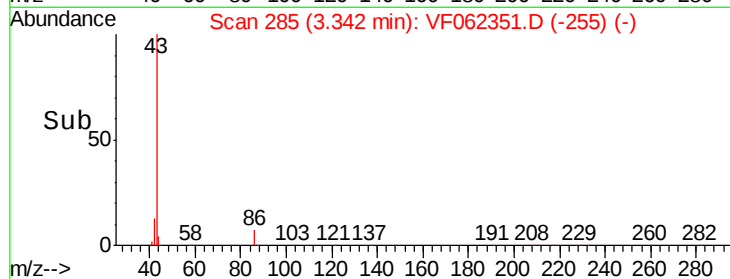
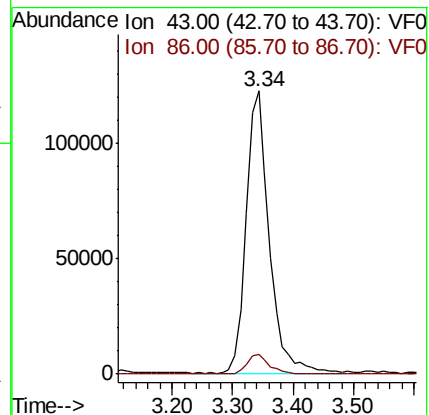
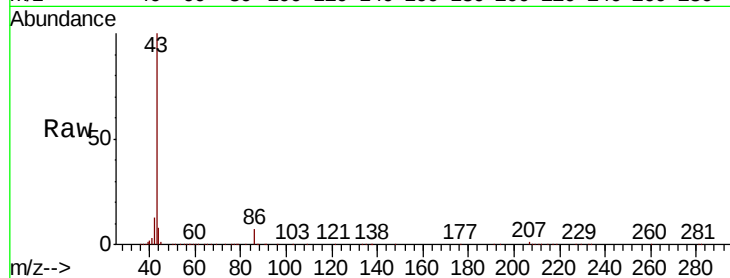
VF0507SBS01

Tgt Ion: 43 Resp: 322793

Ion Ratio Lower Upper

43 100

86 6.8 5.7 8.5



#24

1,1-Dichloroethane

Concen: 21.944 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

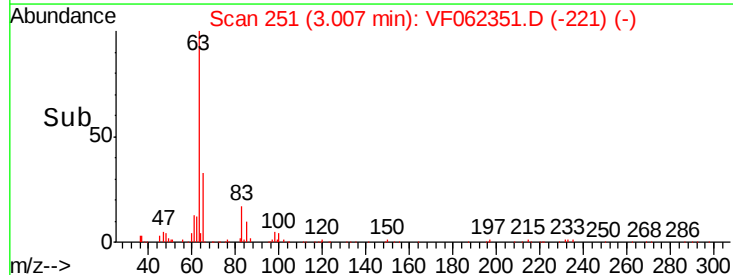
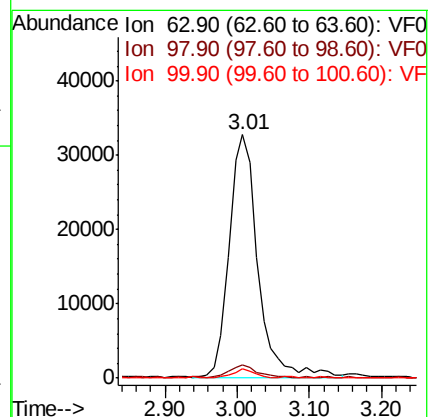
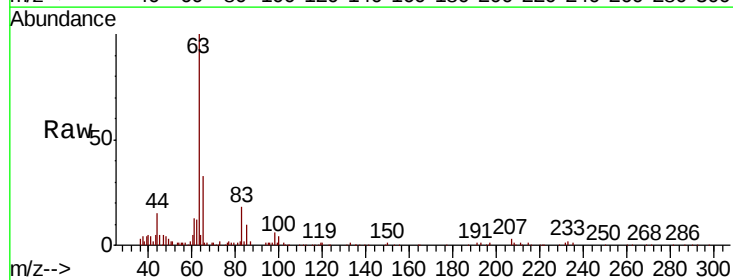
Tgt Ion: 63 Resp: 89907

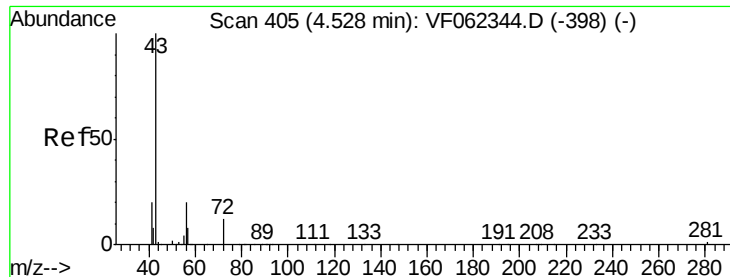
Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

100 3.7 1.8 5.4





#25

2-Butanone

Concen: 110.540 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

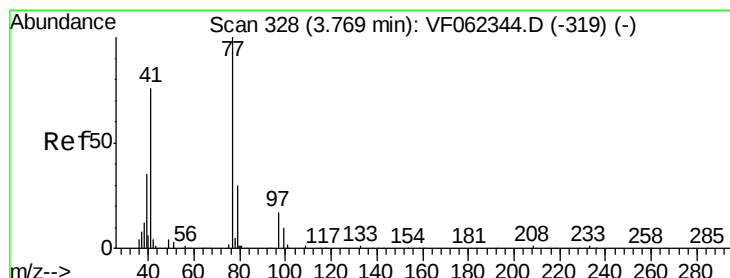
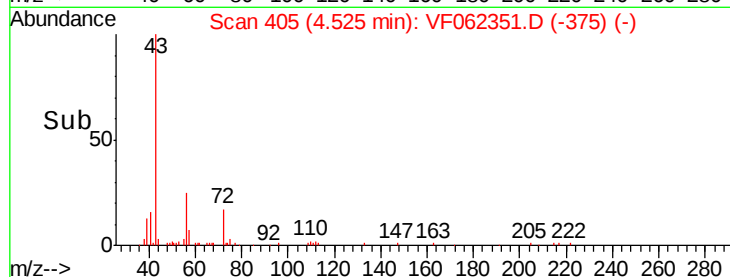
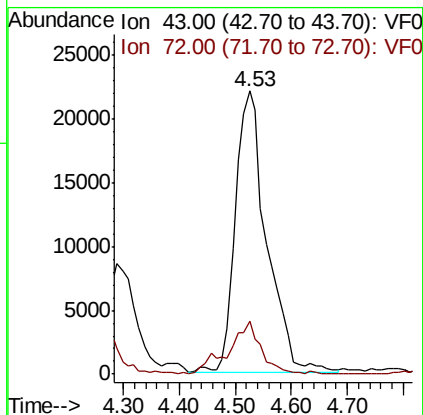
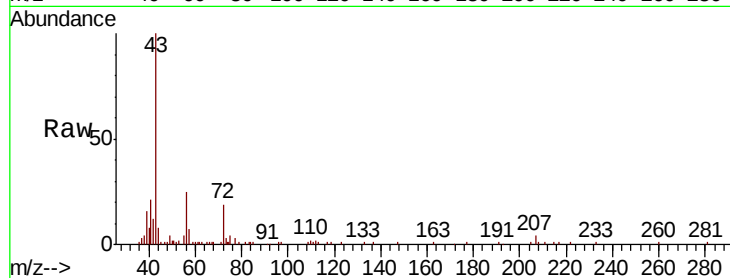
VF0507SBS01

Tgt Ion: 43 Resp: 85027

Ion Ratio Lower Upper

43 100

72 18.8 14.2 21.4



#26

2,2-Dichloropropane

Concen: 23.699 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF062351.D

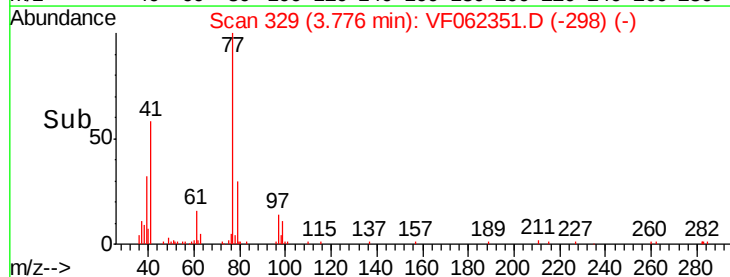
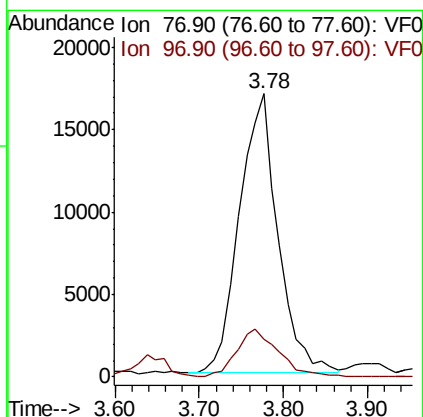
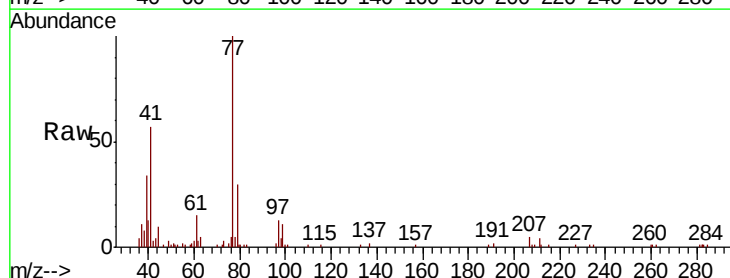
Acq: 7 May 2019 12:17

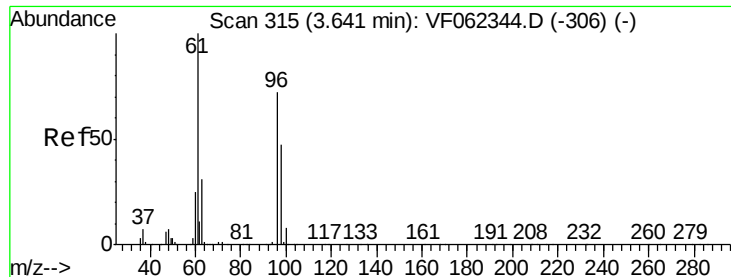
Tgt Ion: 77 Resp: 54223

Ion Ratio Lower Upper

77 100

97 18.7 9.5 28.5



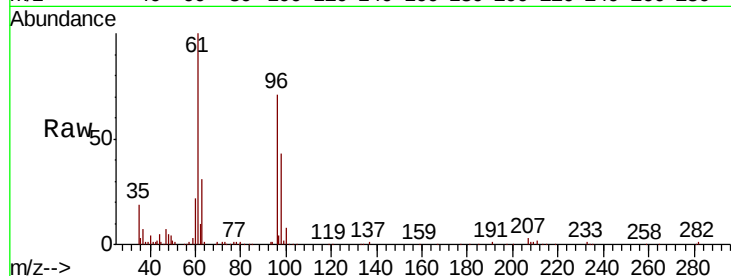


#27

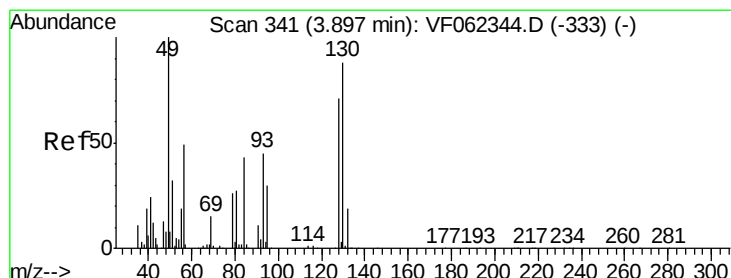
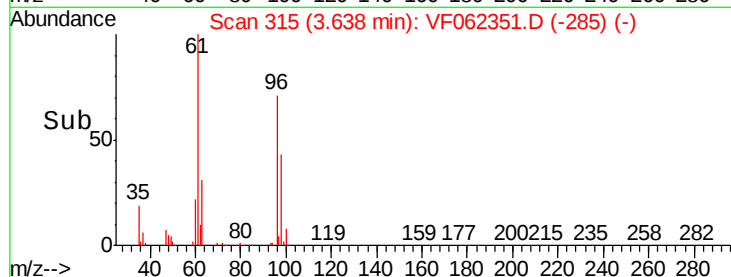
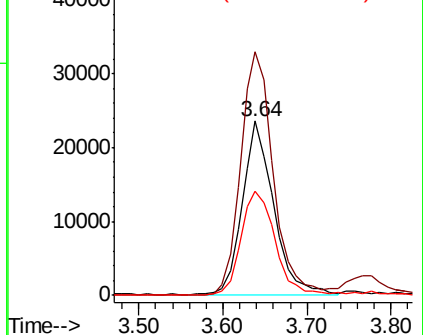
cis-1,2-Dichloroethene
 Concen: 21.183 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tgt Ion: 96 Resp: 61944
 Ion Ratio Lower Upper
 96 100
 61 143.6 0.0 263.0
 98 64.3 0.0 130.8



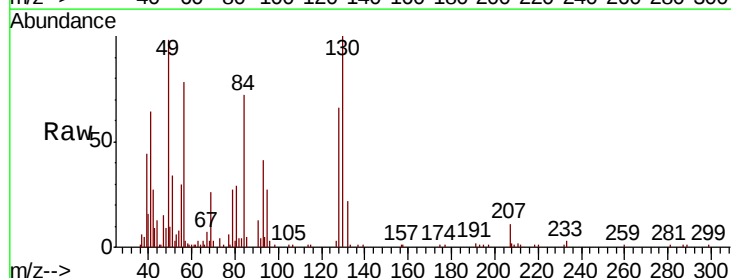
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



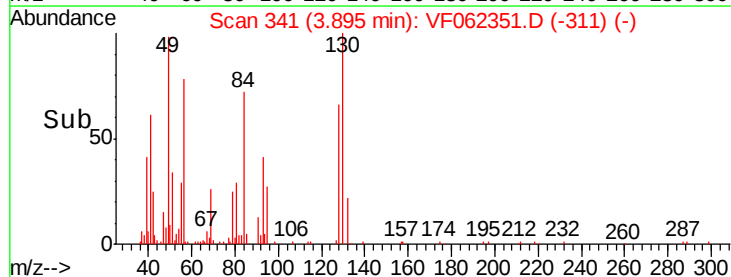
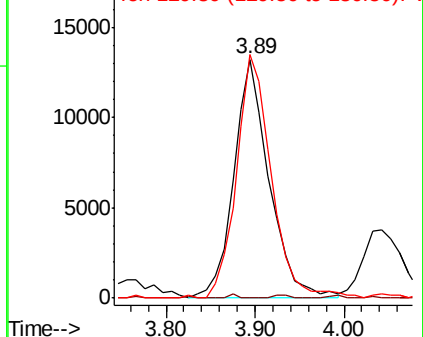
#28

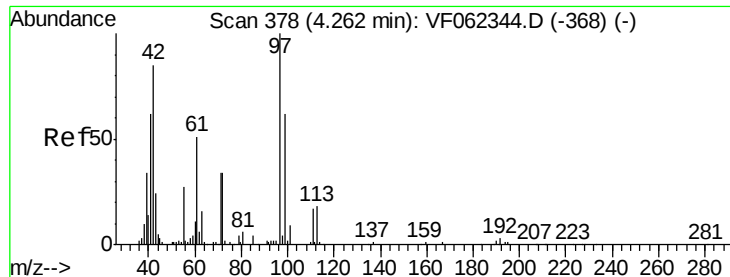
Bromochloromethane
 Concen: 19.630 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion: 49 Resp: 36476
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 2.2
 130 100.6 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: 102.531 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

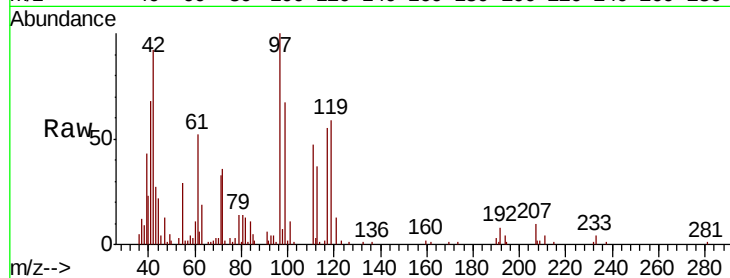
Tgt Ion: 42 Resp: 36247

Ion Ratio Lower Upper

42 100

72 39.0 31.4 47.0

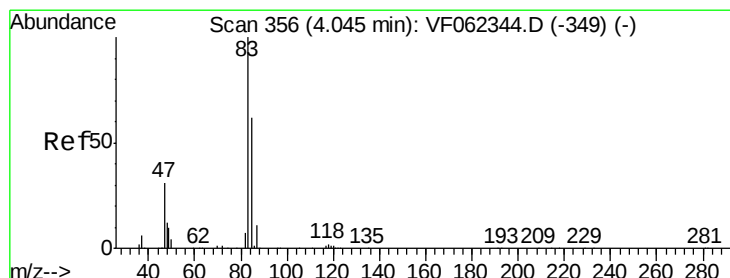
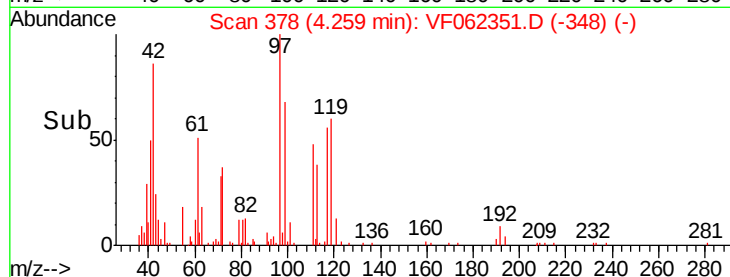
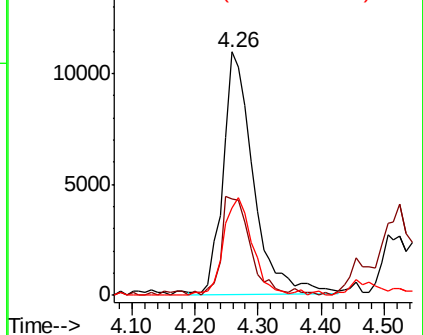
71 38.6 31.7 47.5



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: 22.007 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062351.D

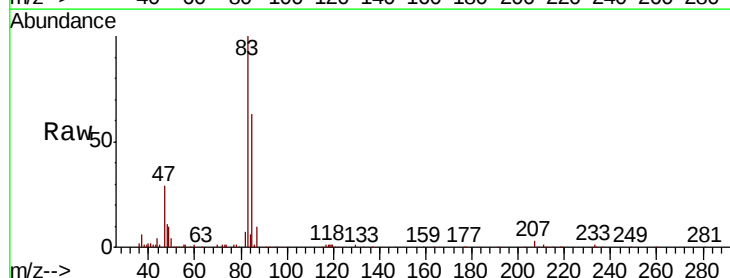
Acq: 7 May 2019 12:17

Tgt Ion: 83 Resp: 121811

Ion Ratio Lower Upper

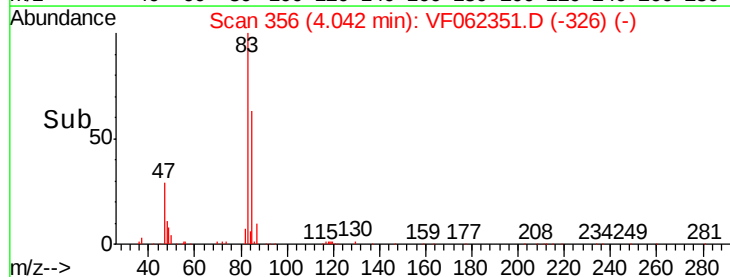
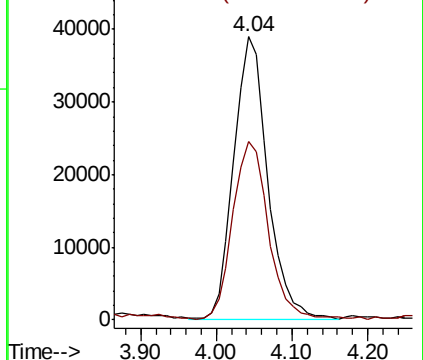
83 100

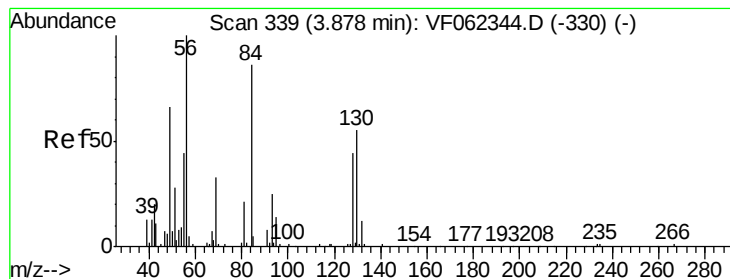
85 62.5 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 22.970 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

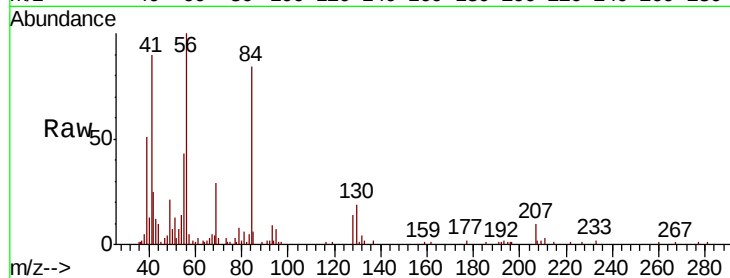
Tgt Ion: 56 Resp: 75118

Ion Ratio Lower Upper

56 100

69 27.6 26.4 39.6

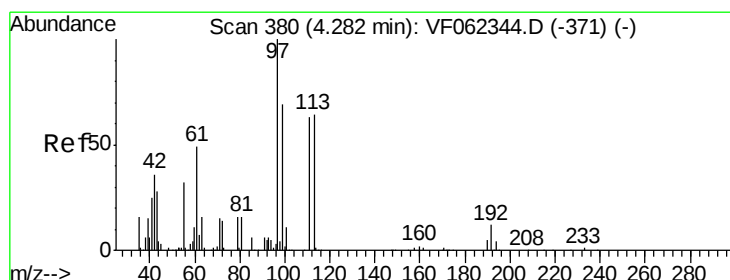
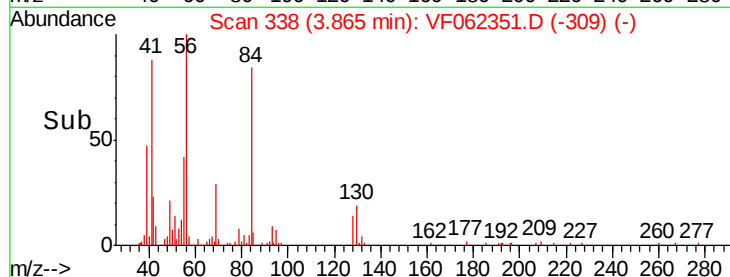
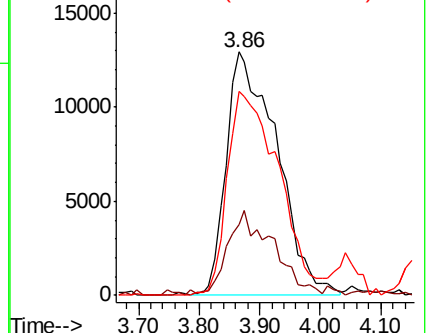
84 83.5 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 22.775 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

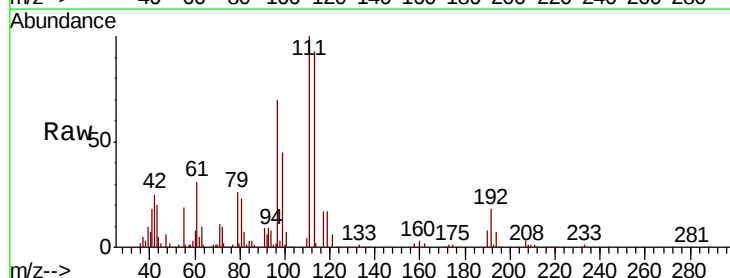
Tgt Ion: 97 Resp: 108044

Ion Ratio Lower Upper

97 100

99 63.7 52.6 78.8

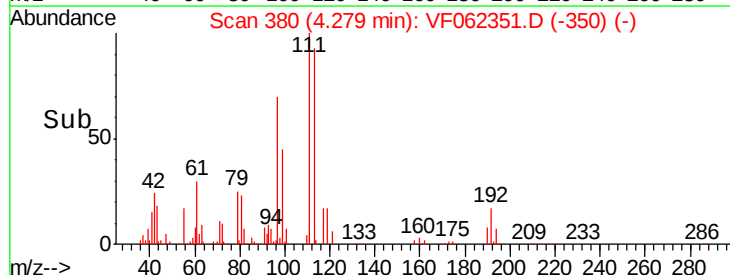
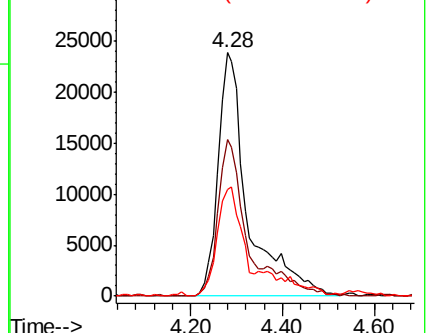
61 36.7 39.4 59.0#

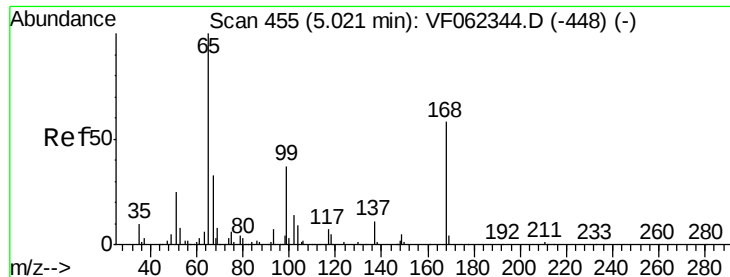


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 52.245 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

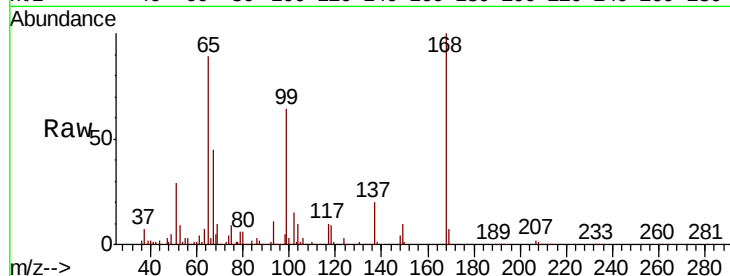
VF0507SBS01

Tgt Ion: 65 Resp: 158124

Ion Ratio Lower Upper

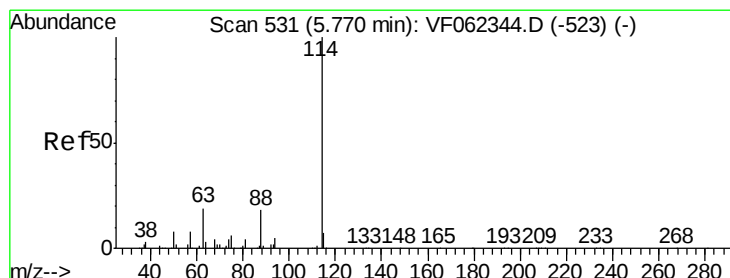
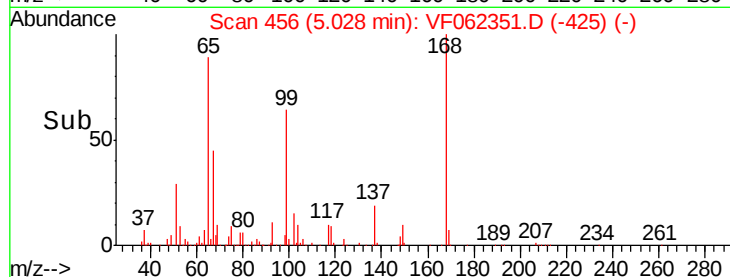
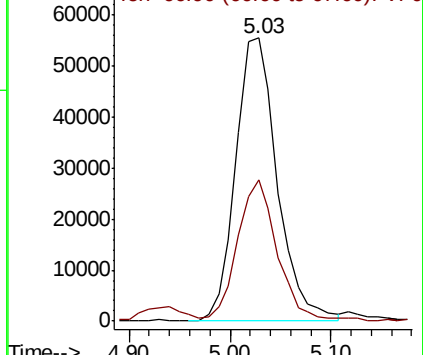
65 100

67 47.7 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: VF062351.D

Acq: 7 May 2019 12:17

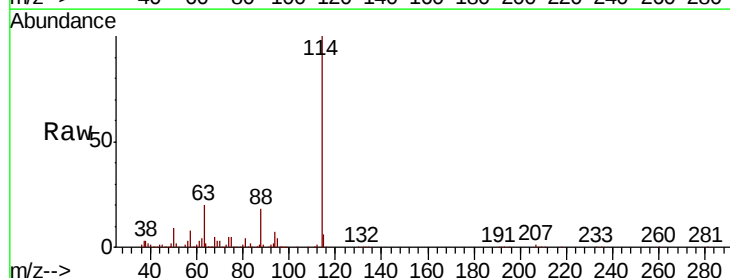
Tgt Ion: 114 Resp: 418364

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

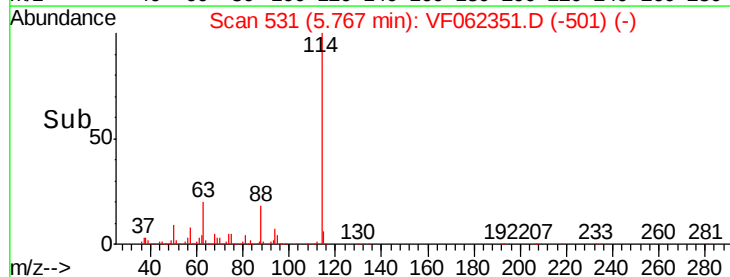
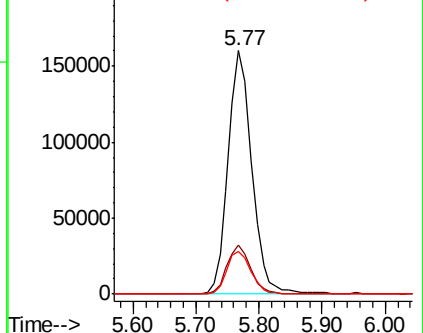
88 17.5 0.0 36.4

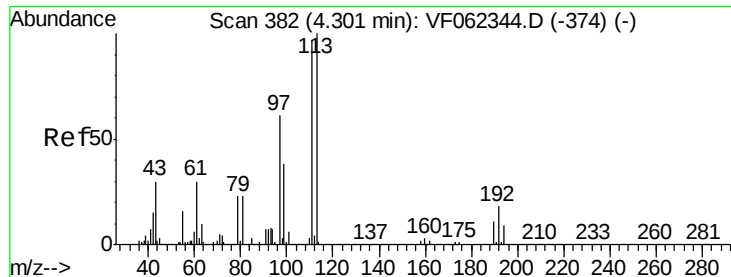


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

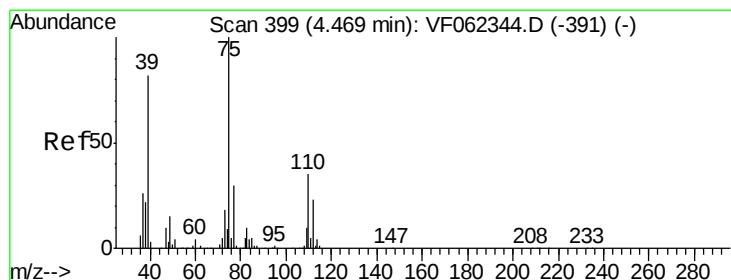
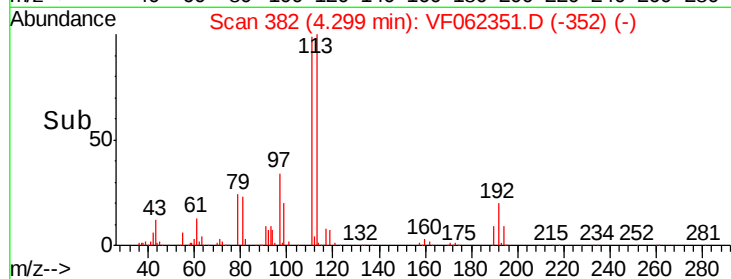
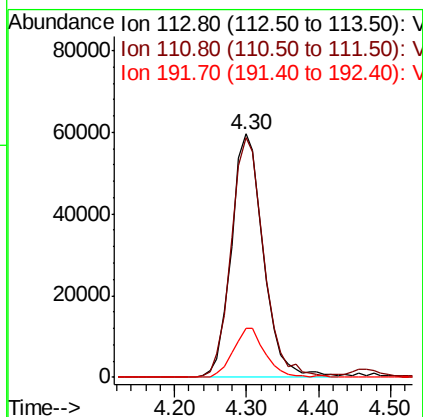
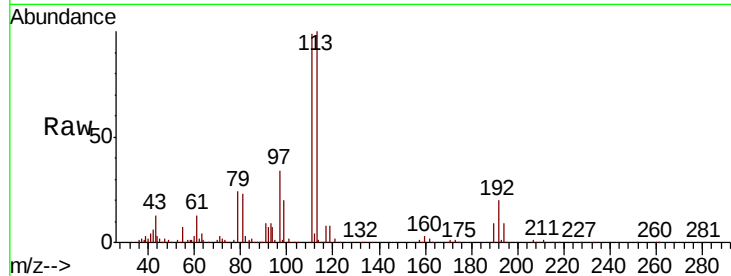




#35
 Dibromofluoromethane
 Concen: 55.421 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

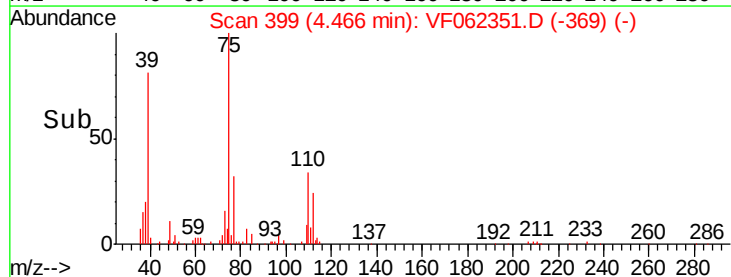
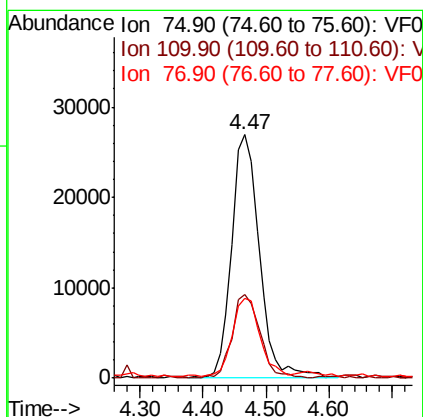
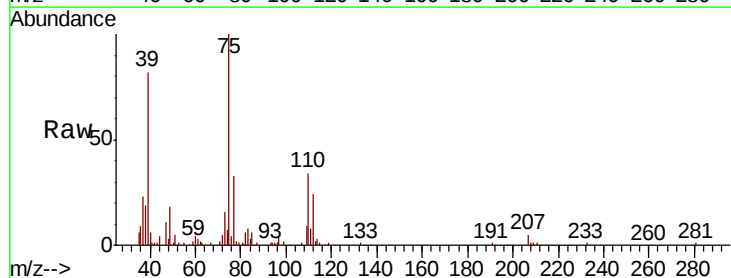
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

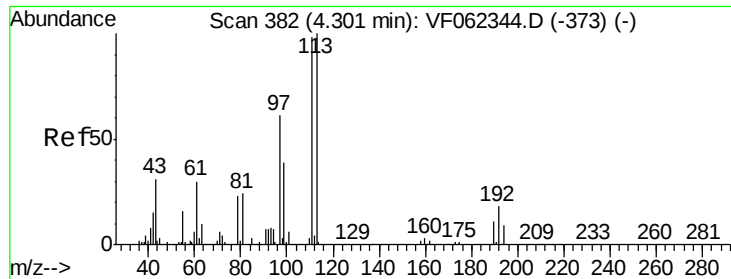
Tgt Ion: 113 Resp: 184720
 Ion Ratio Lower Upper
 113 100
 111 100.0 79.4 119.0
 192 20.4 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 22.910 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion: 75 Resp: 82337
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.2 51.5
 77 31.5 25.2 37.8

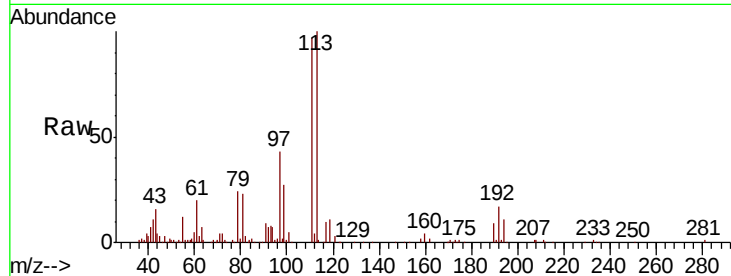




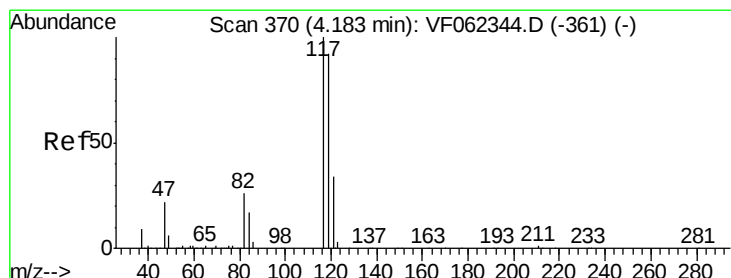
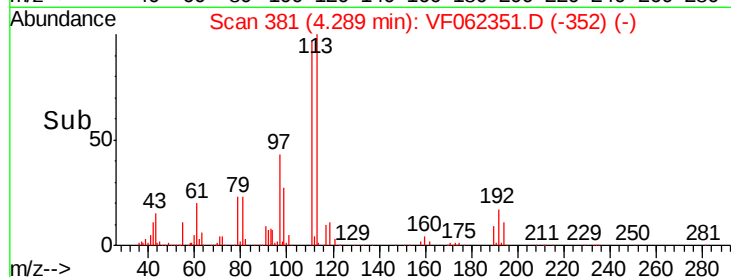
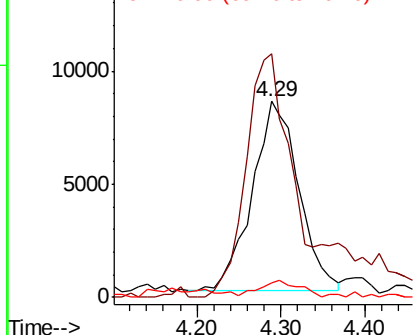
#37
Ethyl Acetate
Concen: 19.919 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tgt Ion: 43 Resp: 32313
Ion Ratio Lower Upper
43 100
61 122.6 0.0 0.0#
70 6.5 8.2 12.2#

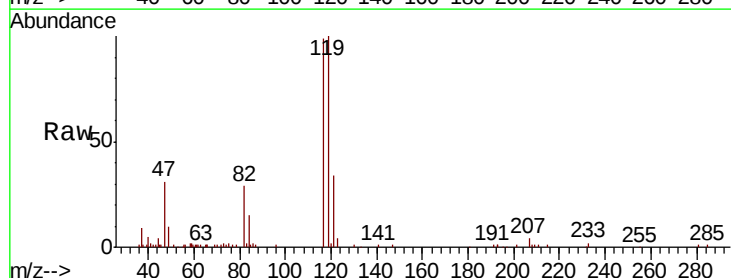


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

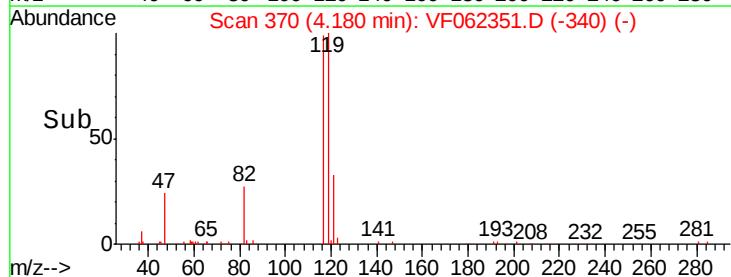
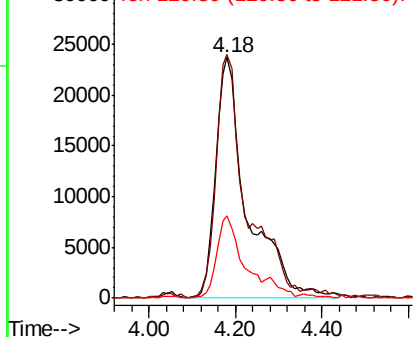


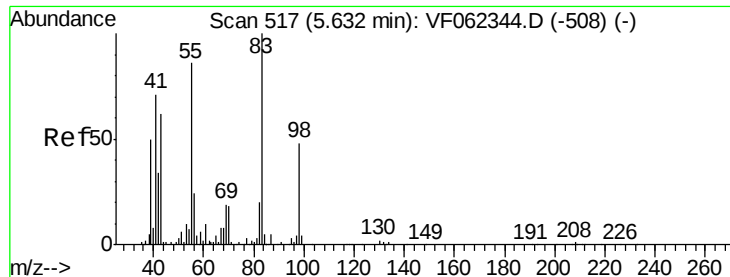
#38
Carbon Tetrachloride
Concen: 31.392 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 117 Resp: 120878
Ion Ratio Lower Upper
117 100
119 101.2 73.4 110.2
121 34.0 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

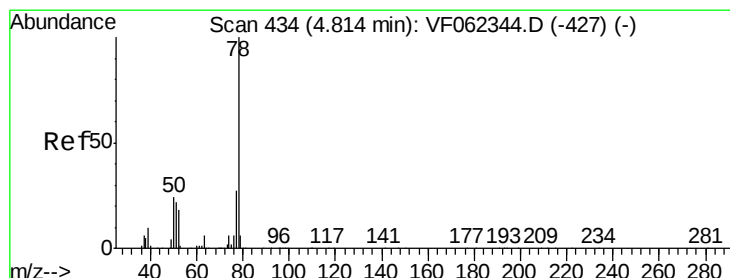
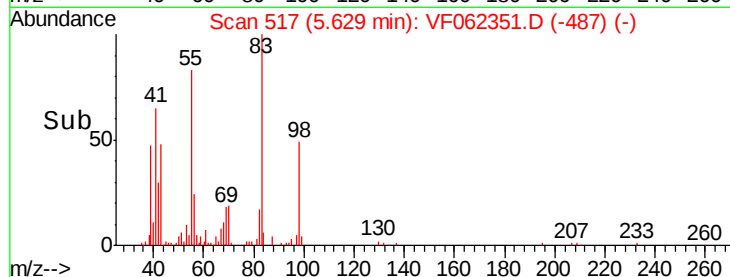
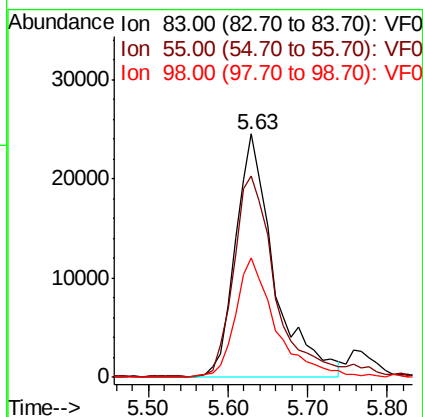
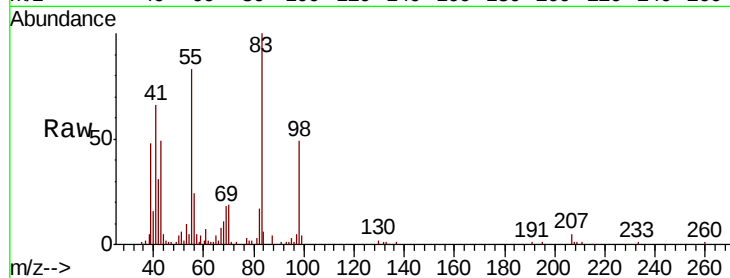




#39
Methylcyclohexane
Concen: 22.933 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

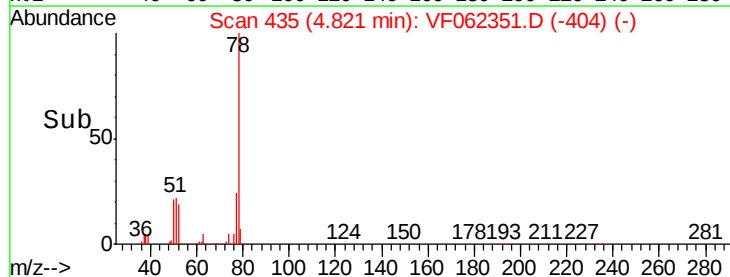
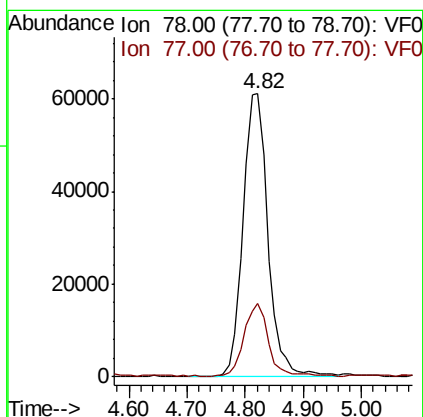
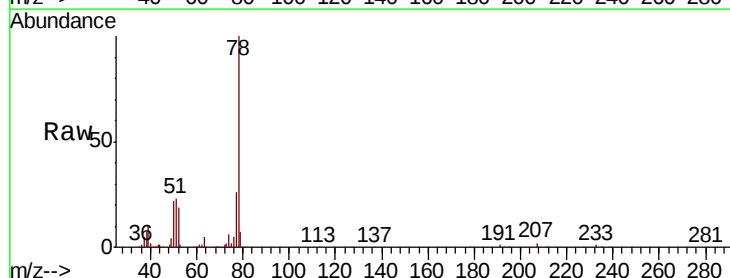
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

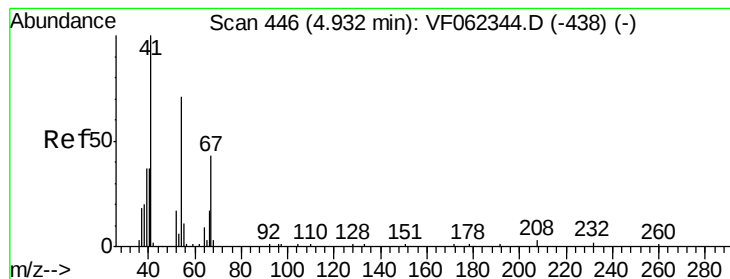
Tgt Ion: 83 Resp: 82658
Ion Ratio Lower Upper
83 100
55 82.7 69.0 103.6
98 49.2 38.6 58.0



#40
Benzene
Concen: 23.227 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 78 Resp: 183816
Ion Ratio Lower Upper
78 100
77 25.5 21.6 32.4





#41

Methacrylonitrile

Concen: 20.086 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tgt Ion: 41 Resp: 17309

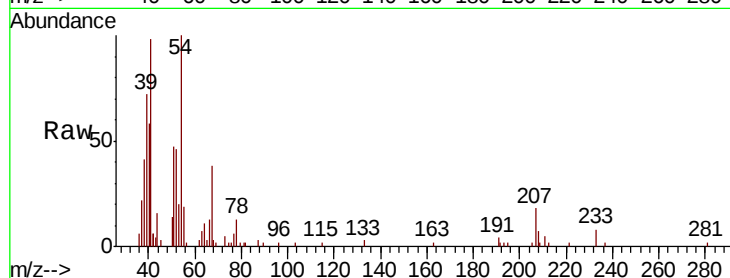
Ion Ratio Lower Upper

41 100

39 85.7 54.3 81.5#

67 0.0 37.8 56.8#

52 79.2 58.2 87.4

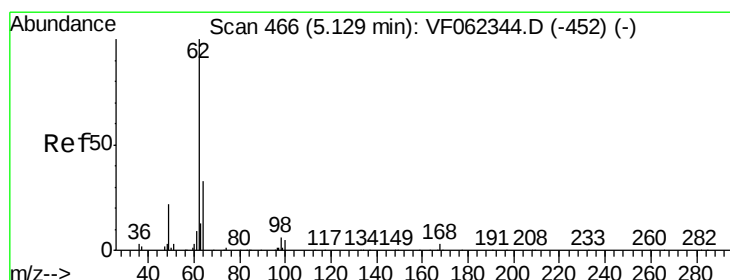
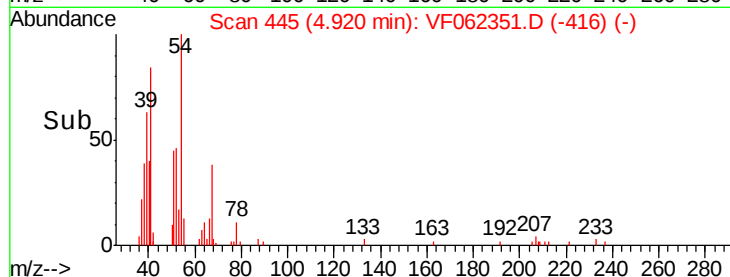
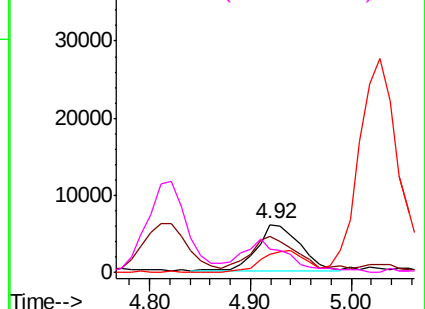


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.194 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF062351.D

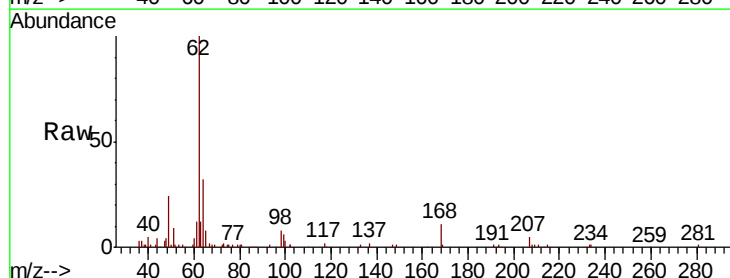
Acq: 7 May 2019 12:17

Tgt Ion: 62 Resp: 70151

Ion Ratio Lower Upper

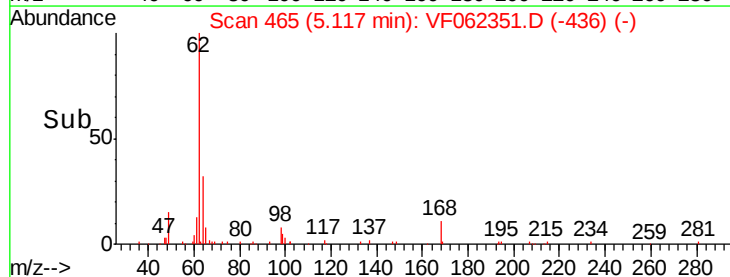
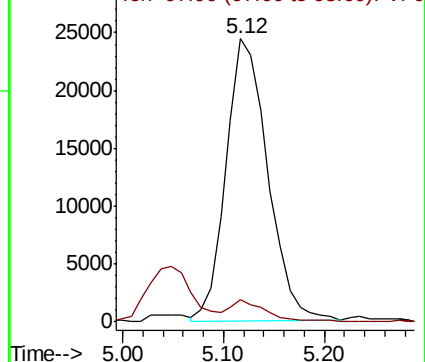
62 100

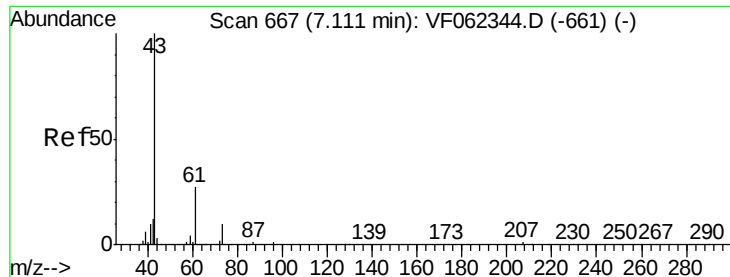
98 6.6 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 20.819 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

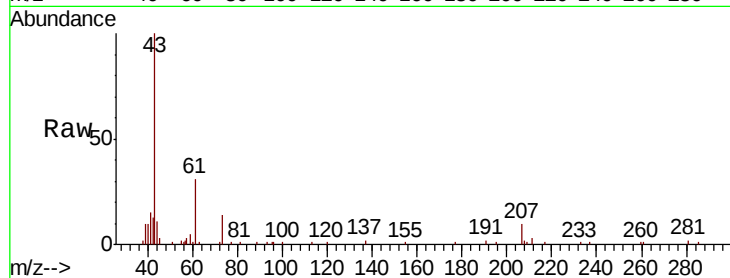
Tgt Ion: 43 Resp: 34032

Ion Ratio Lower Upper

43 100

61 26.9 22.8 34.2

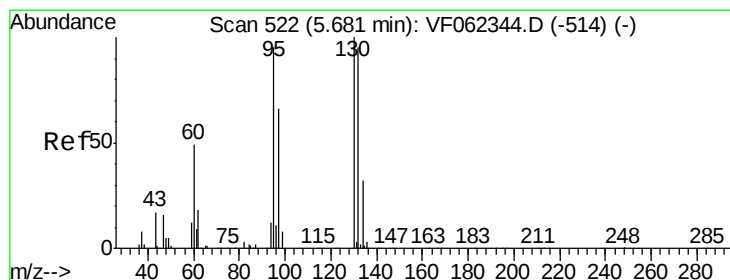
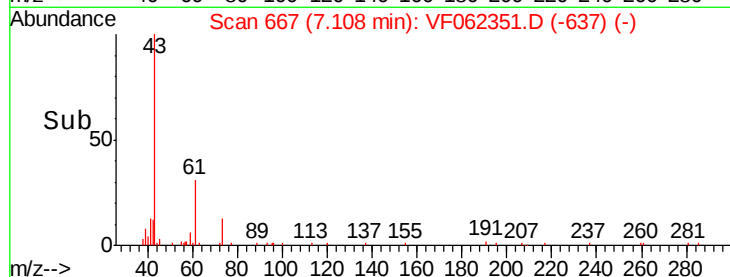
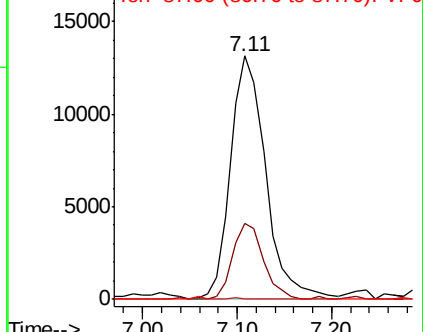
87 0.2 0.6 1.0#



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: 23.272 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.00 min

Lab File: VF062351.D

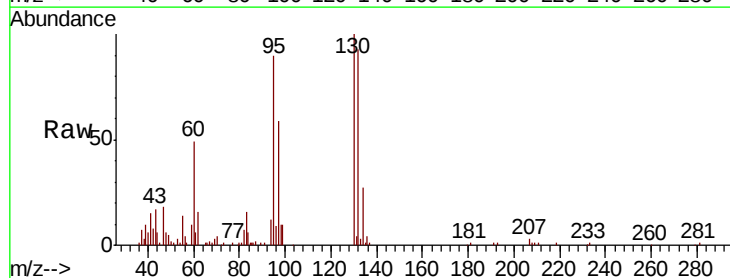
Acq: 7 May 2019 12:17

Tgt Ion: 130 Resp: 67655

Ion Ratio Lower Upper

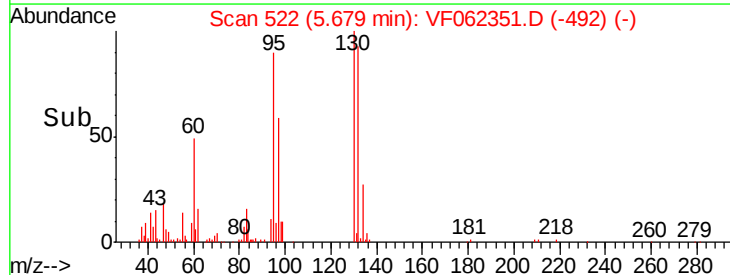
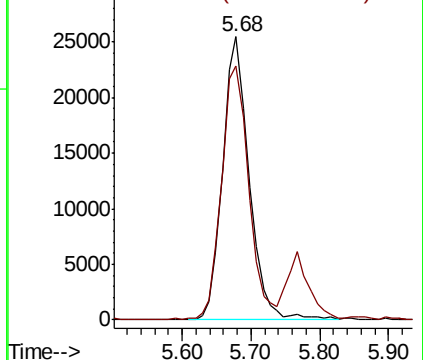
130 100

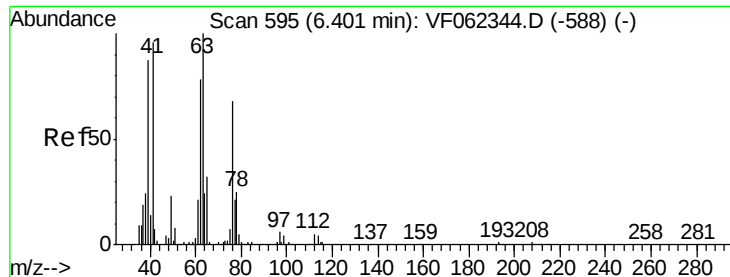
95 89.1 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

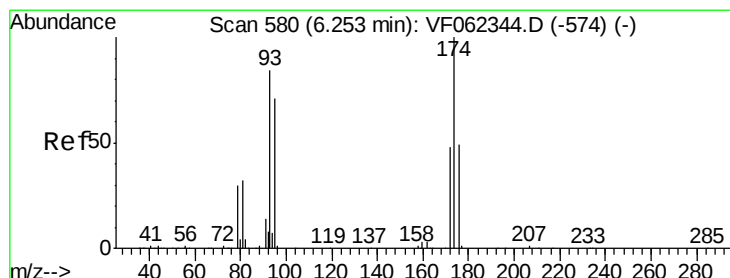
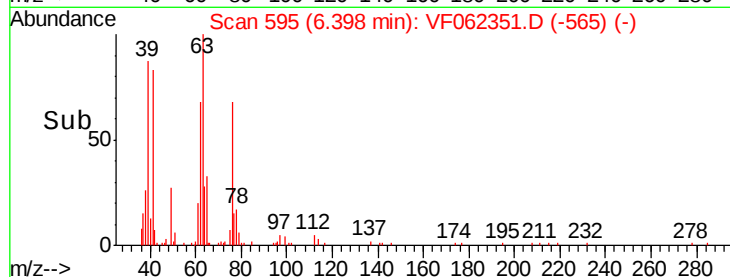
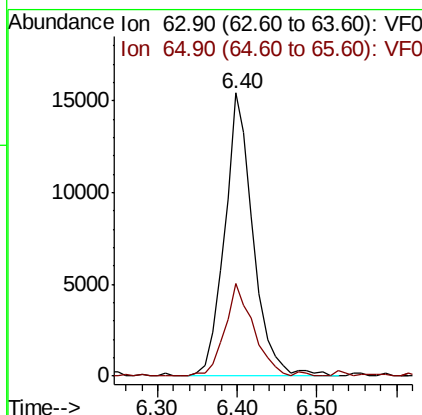
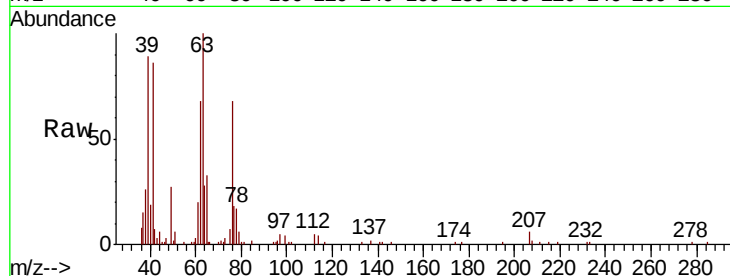




#45
1,2-Dichloropropane
Concen: 21.511 ug/l
RT: 6.40 min Scan# 595
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

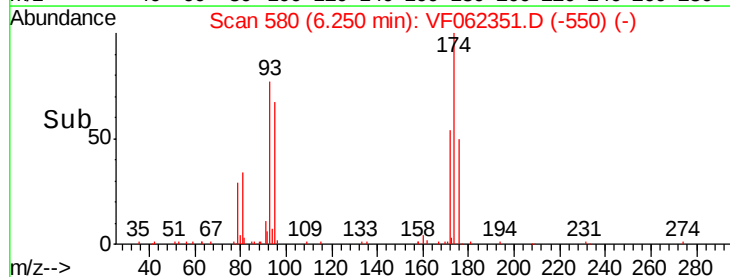
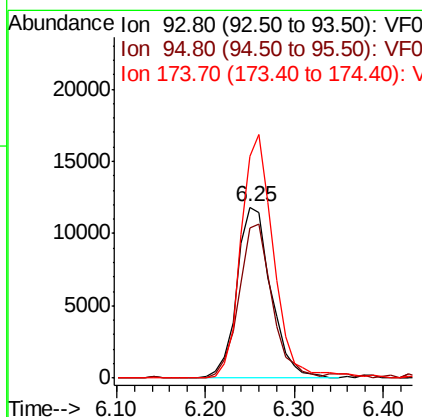
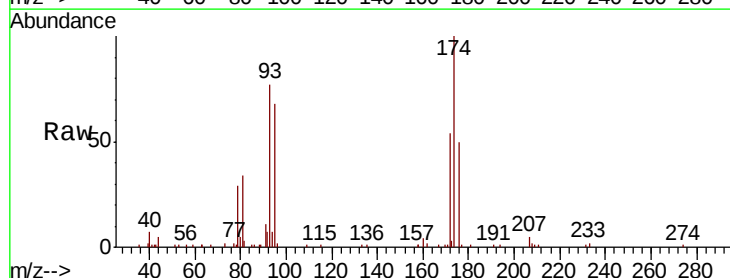
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

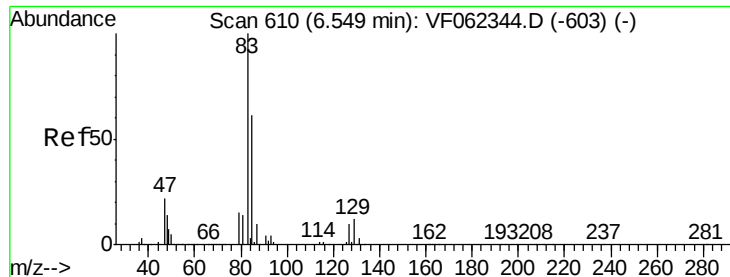
Tgt Ion: 63 Resp: 38559
Ion Ratio Lower Upper
63 100
65 32.8 25.6 38.4



#46
Dibromomethane
Concen: 21.071 ug/l
RT: 6.25 min Scan# 580
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 93 Resp: 31317
Ion Ratio Lower Upper
93 100
95 87.9 68.4 102.6
174 136.8 99.6 149.4





#47

Bromodichloromethane

Concen: 21.942 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

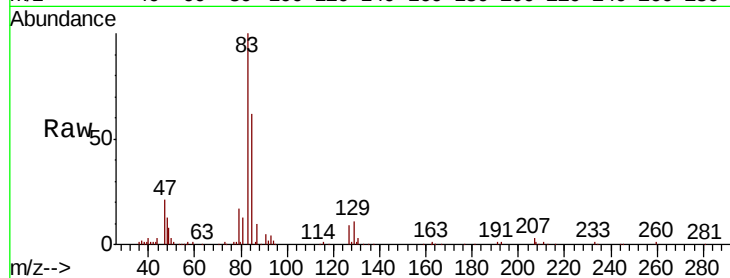
Tgt Ion: 83 Resp: 81534

Ion Ratio Lower Upper

83 100

85 62.4 49.1 73.7

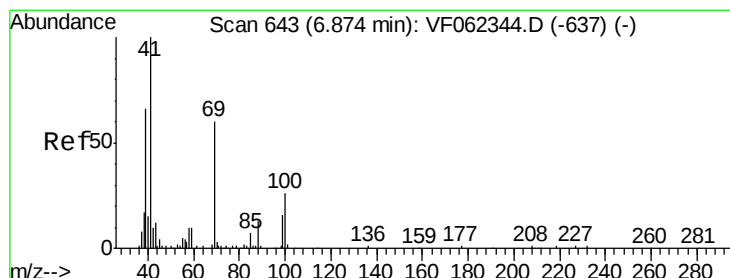
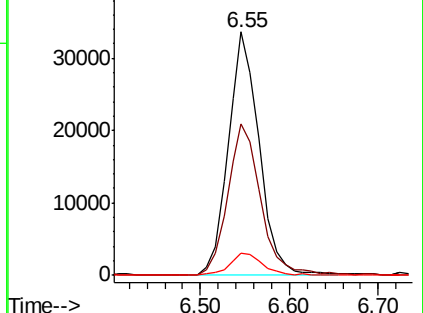
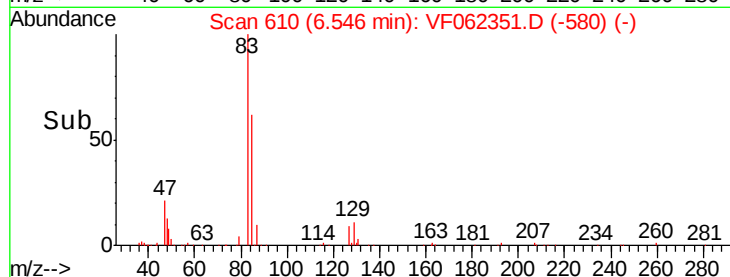
127 9.3 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.710 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

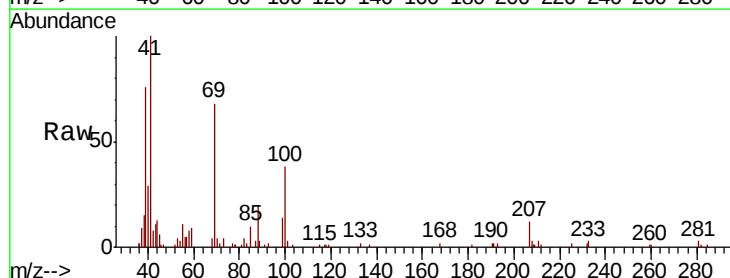
Tgt Ion: 41 Resp: 22769

Ion Ratio Lower Upper

41 100

69 65.1 48.6 72.8

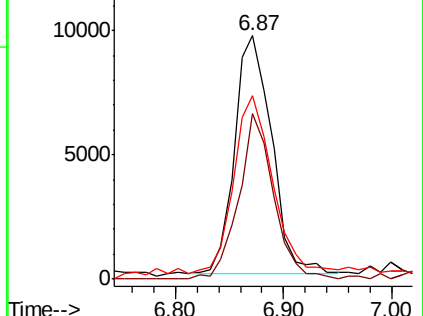
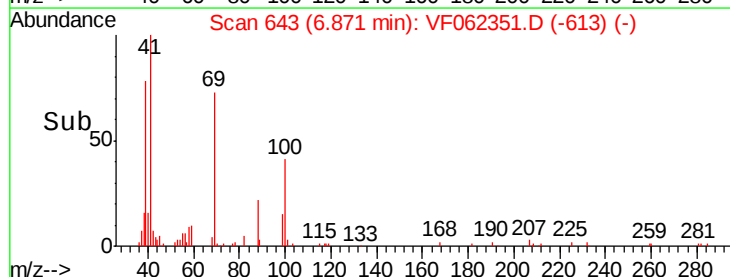
39 79.0 56.1 84.1

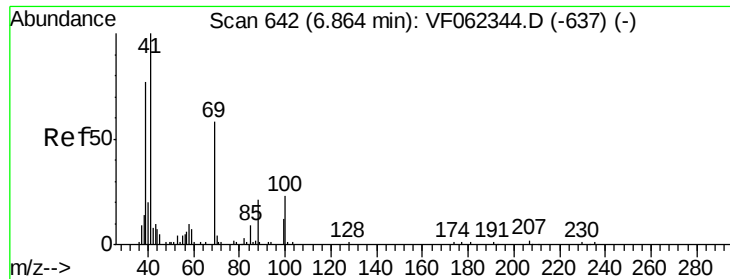


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

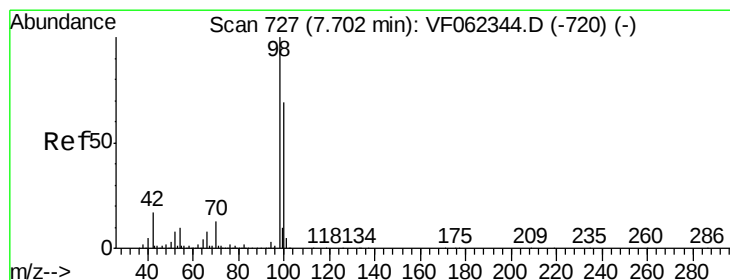
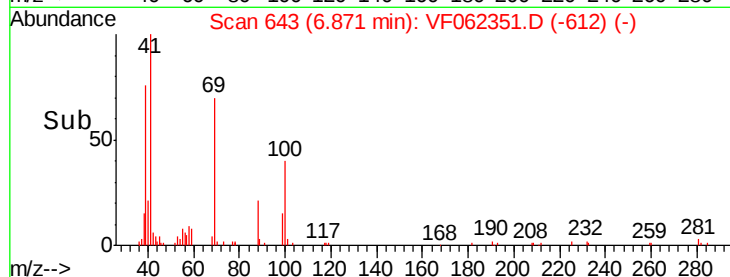
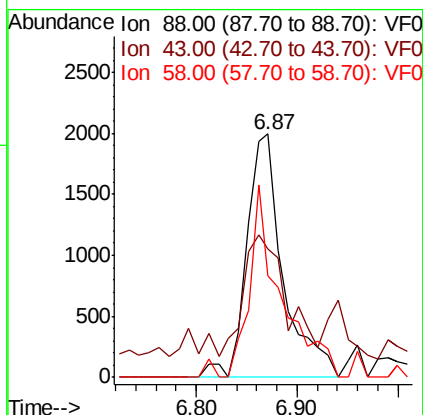
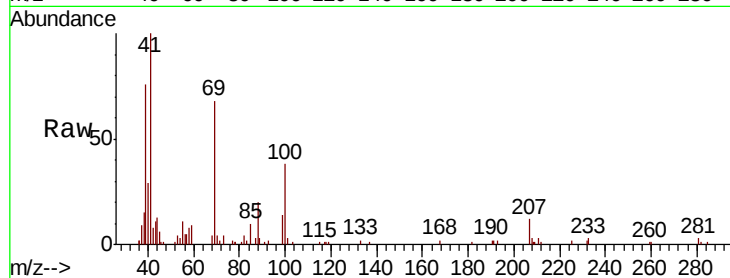




#49
1,4-Dioxane
Concen: 414.276 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

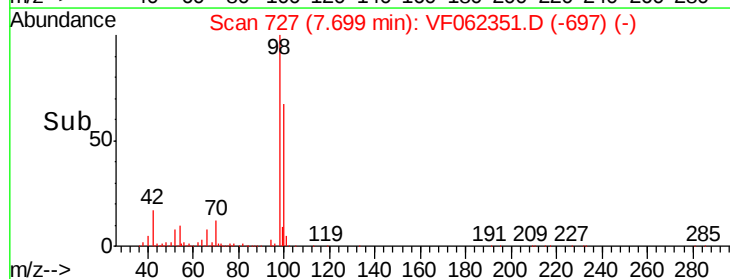
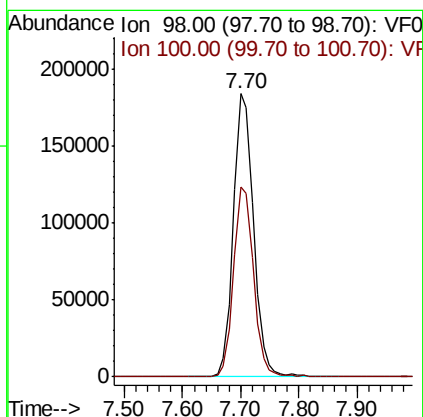
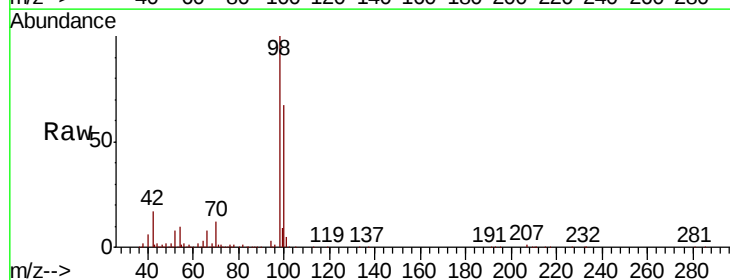
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

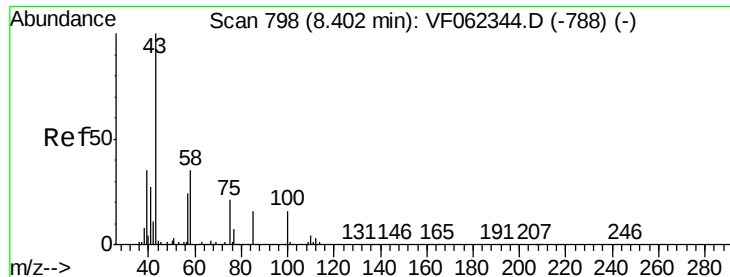
Tgt Ion: 88 Resp: 5013
Ion Ratio Lower Upper
88 100
43 58.2 55.6 83.4
58 67.8 52.8 79.2



#50
Toluene-d8
Concen: 55.025 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 98 Resp: 443949
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9

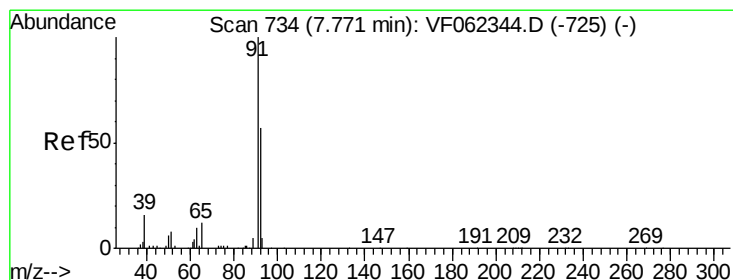
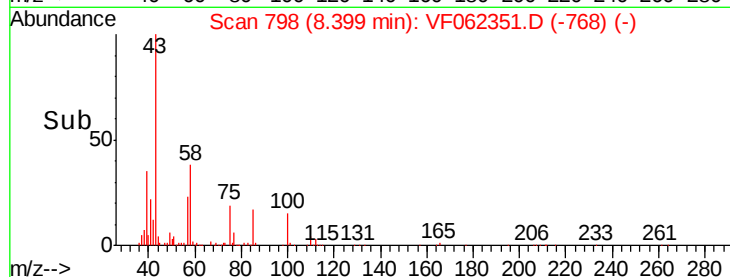
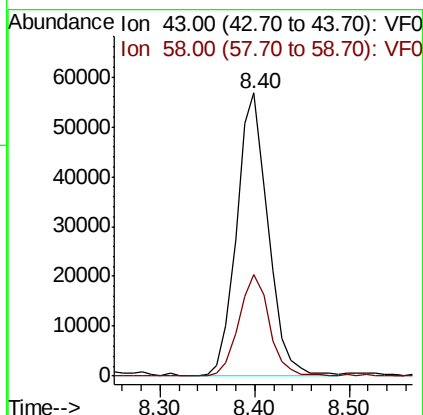
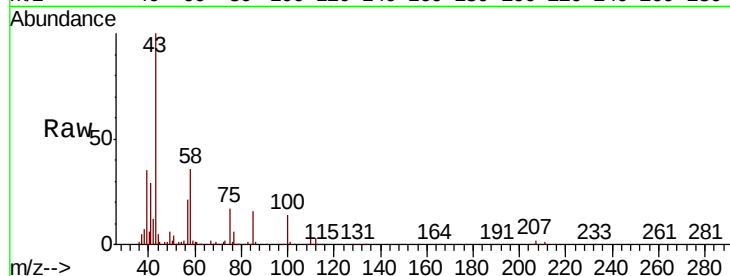




#51
 4-Methyl-2-Pentanone
 Concen: 104.802 ug/l
 RT: 8.40 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

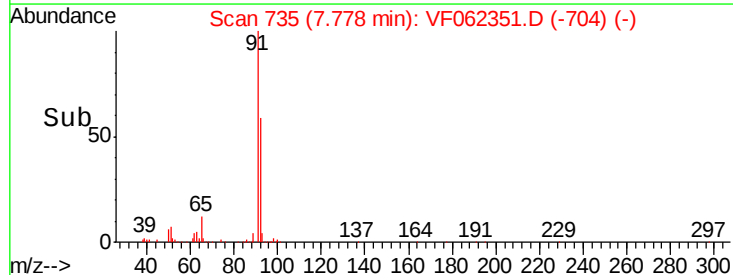
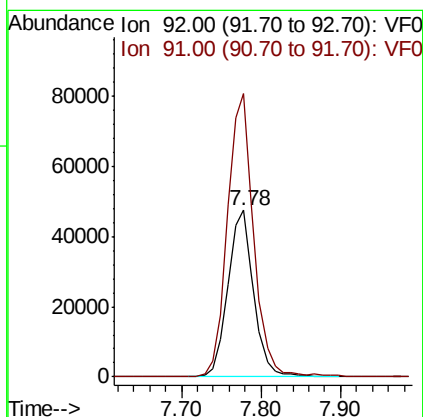
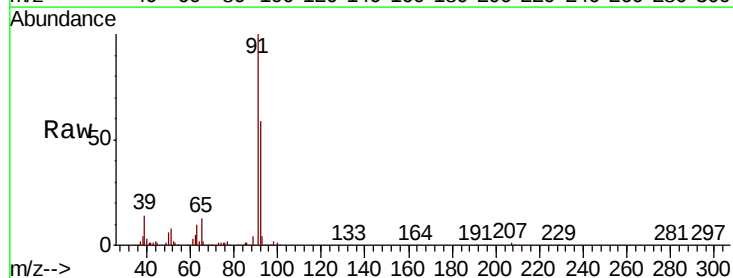
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

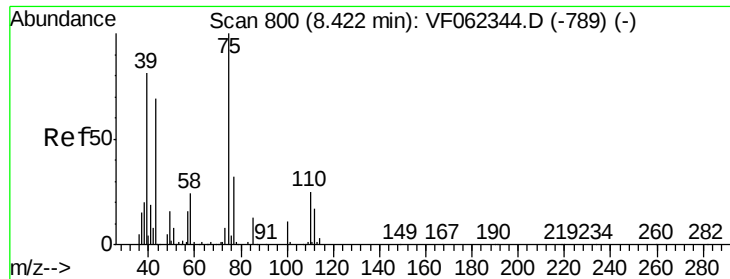
Tgt Ion: 43 Resp: 129815
 Ion Ratio Lower Upper
 43 100
 58 35.2 27.8 41.6



#52
 Toluene
 Concen: 22.045 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion: 92 Resp: 107630
 Ion Ratio Lower Upper
 92 100
 91 171.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.555 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

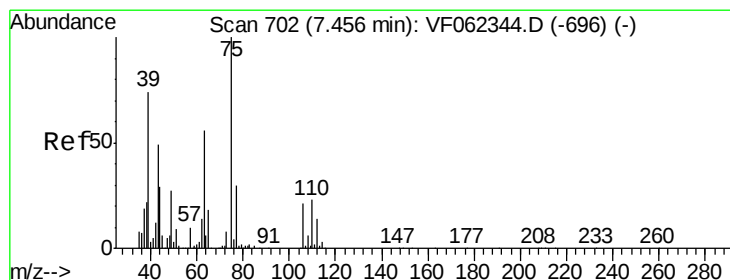
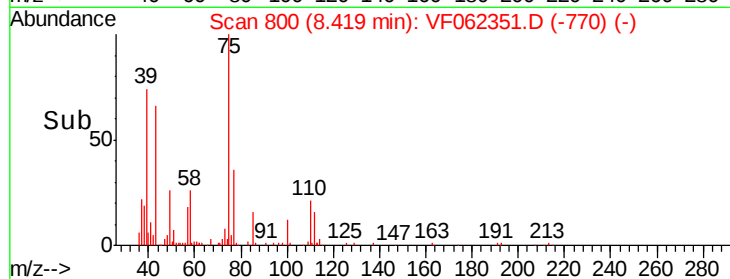
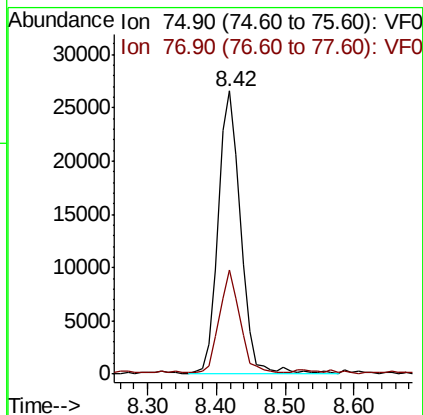
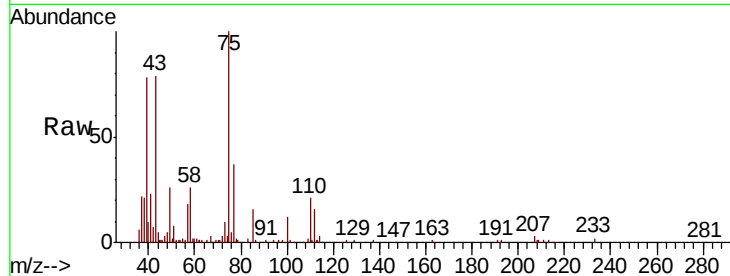
VF0507SBS01

Tgt Ion: 75 Resp: 60578

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 21.368 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

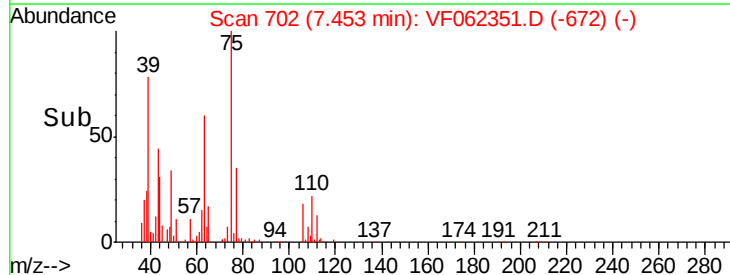
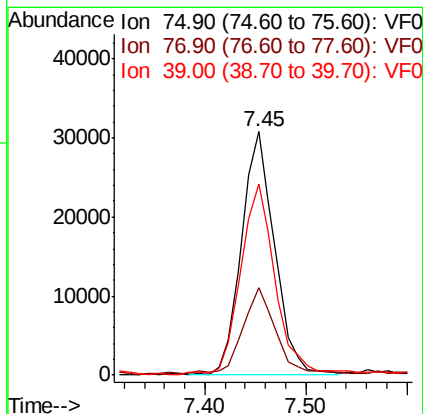
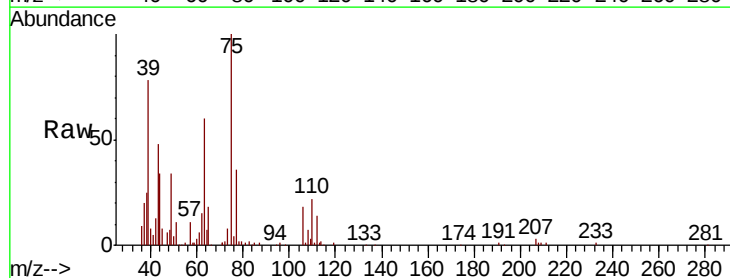
Tgt Ion: 75 Resp: 69890

Ion Ratio Lower Upper

75 100

77 35.8 24.0 36.0

39 77.6 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 21.907 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tgt Ion: 97 Resp: 33952

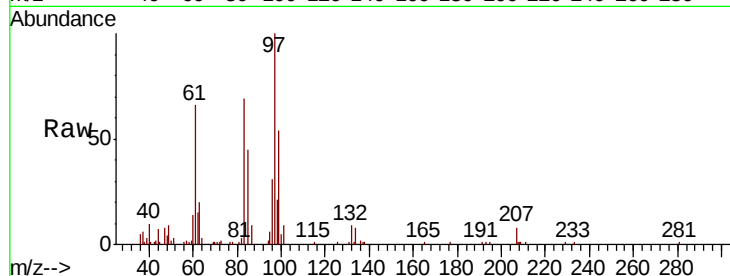
Ion Ratio Lower Upper

97 100

83 67.6 68.5 102.7#

85 45.4 45.4 68.2#

99 53.8 52.7 79.1

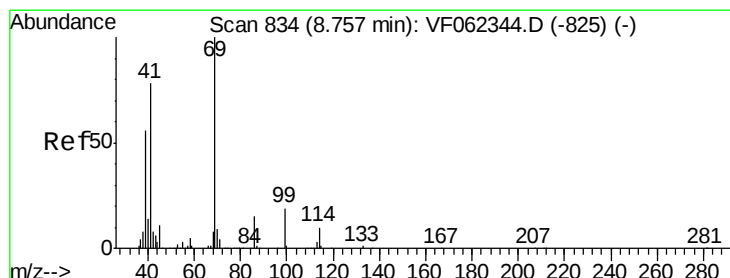
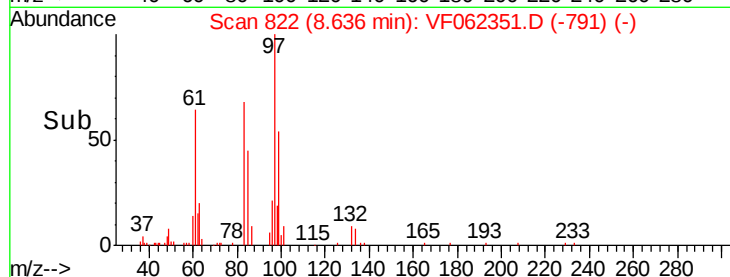
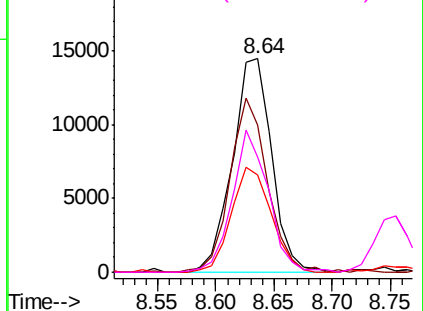


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 20.739 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

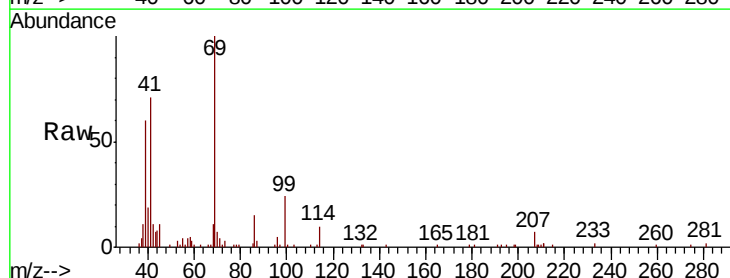
Tgt Ion: 69 Resp: 33930

Ion Ratio Lower Upper

69 100

41 75.4 66.3 99.5

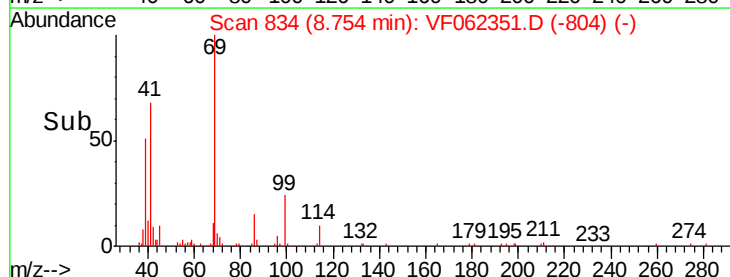
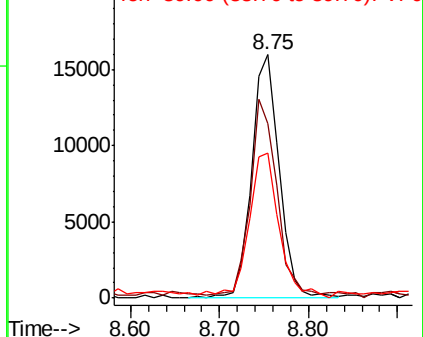
39 65.9 50.1 75.1

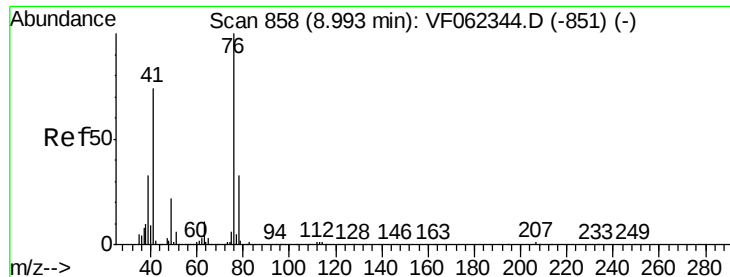


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.209 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

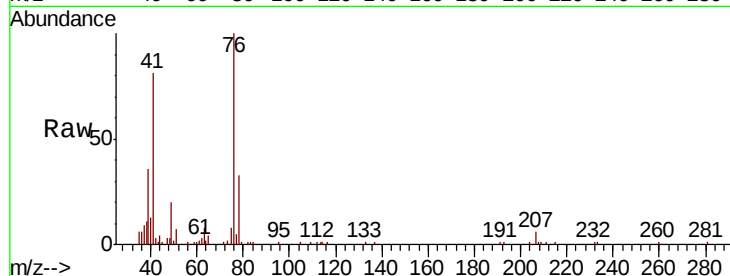
VF0507SBS01

Tgt Ion: 76 Resp: 49652

Ion Ratio Lower Upper

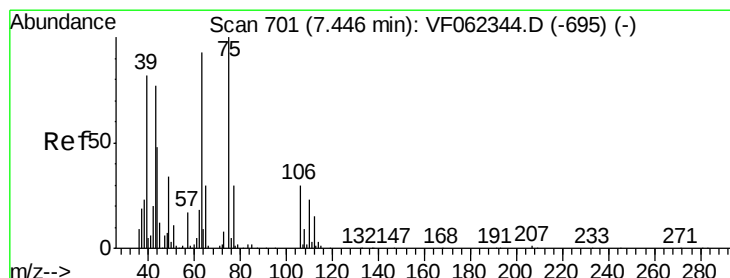
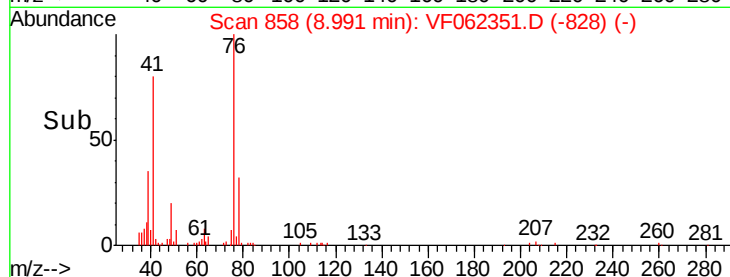
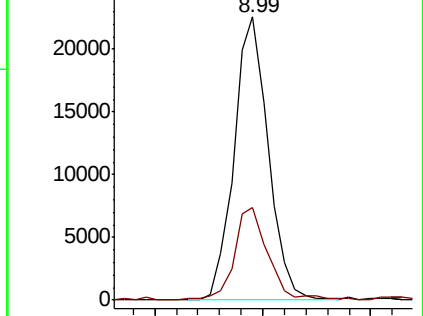
76 100

78 32.7 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: 105.173 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062351.D

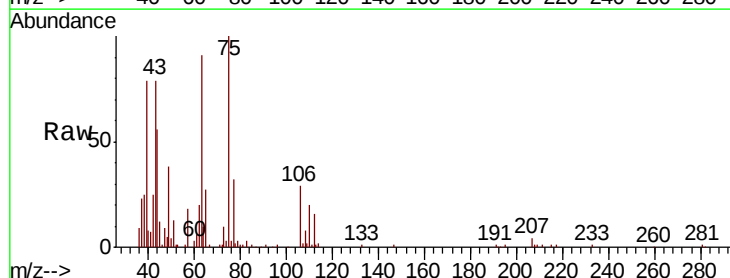
Acq: 7 May 2019 12:17

Tgt Ion: 63 Resp: 51731

Ion Ratio Lower Upper

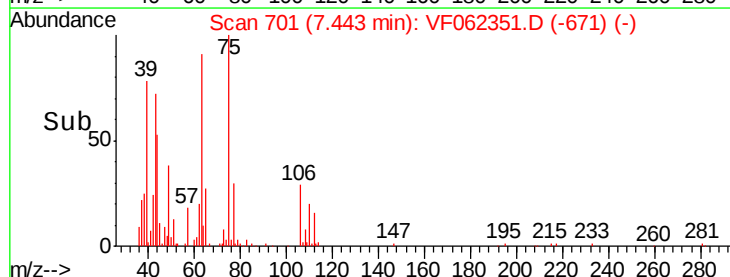
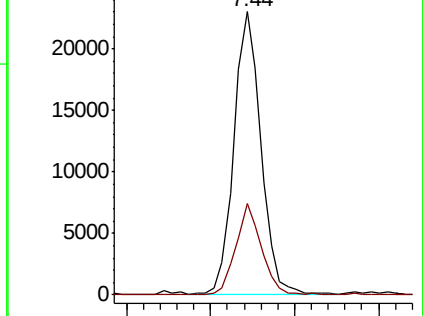
63 100

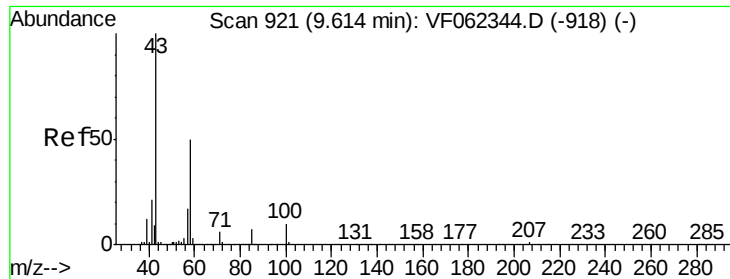
106 30.6 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

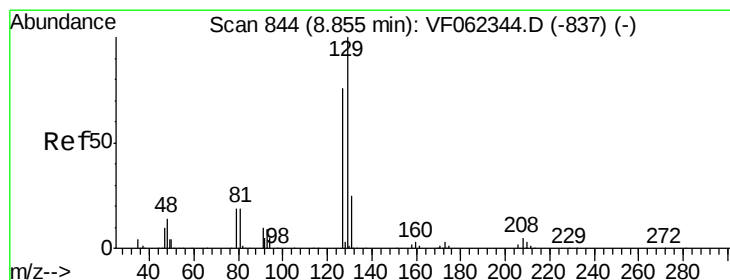
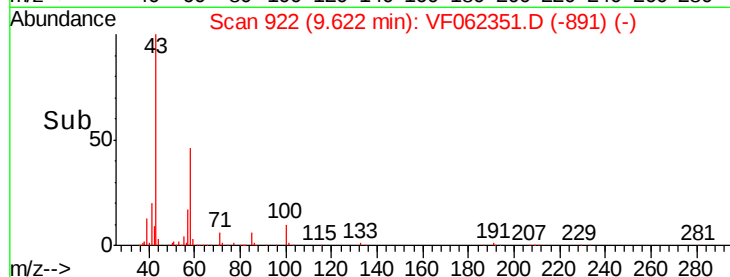
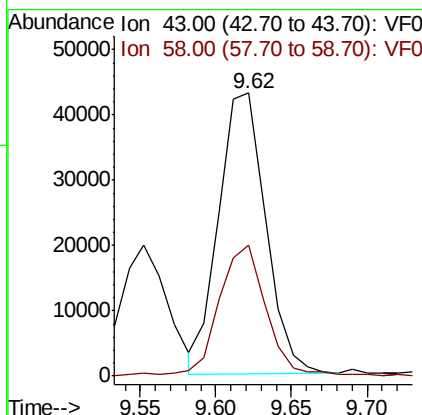
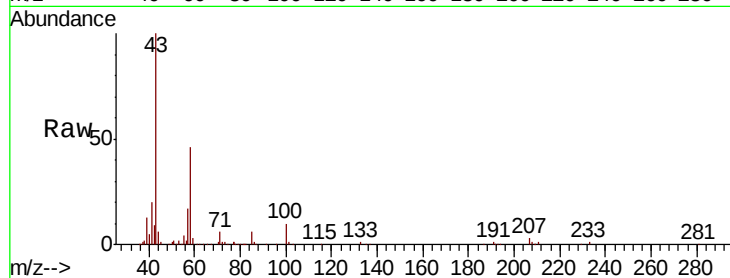




#59
2-Hexanone
Concen: 108.246 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

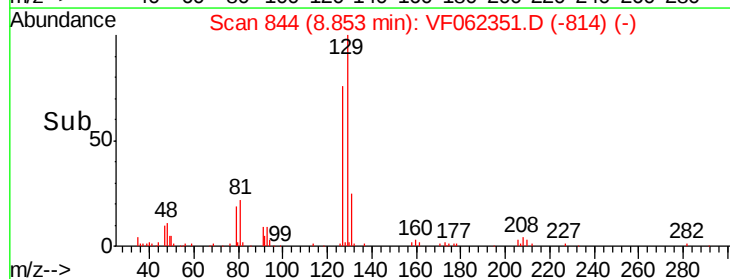
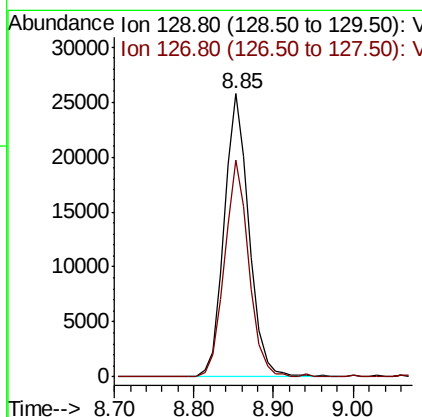
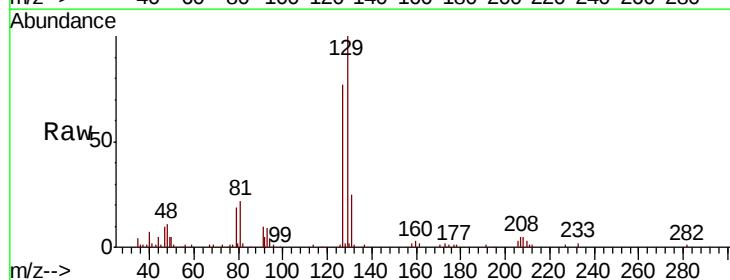
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

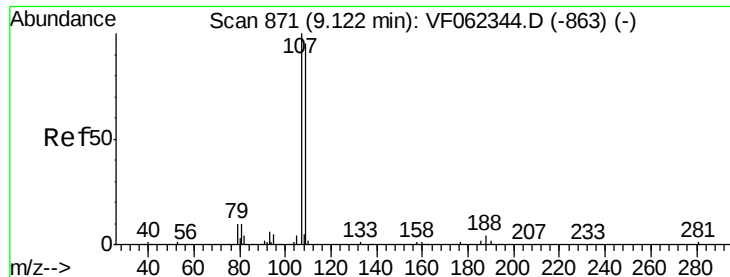
Tgt Ion: 43 Resp: 92731
Ion Ratio Lower Upper
43 100
58 47.5 24.3 73.0



#60
Dibromochloromethane
Concen: 22.236 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 129 Resp: 56365
Ion Ratio Lower Upper
129 100
127 74.6 38.5 115.3

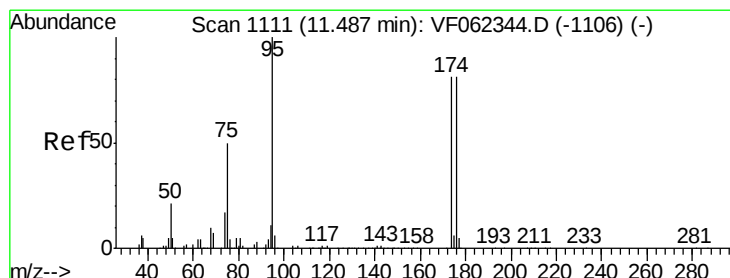
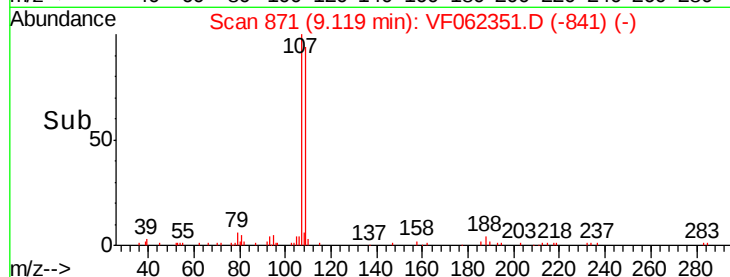
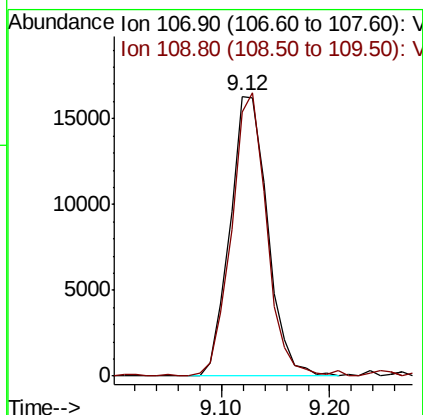
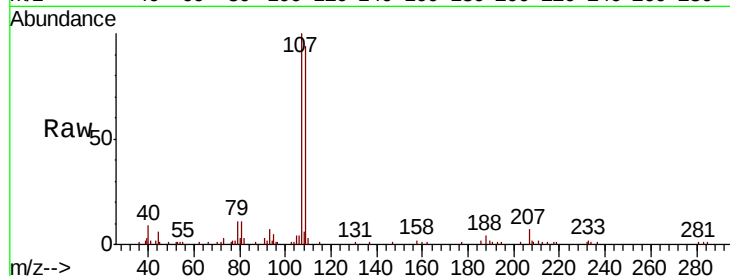




#61
 1,2-Dibromoethane
 Concen: 21.649 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

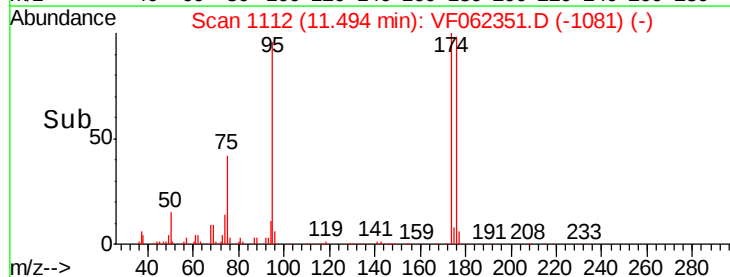
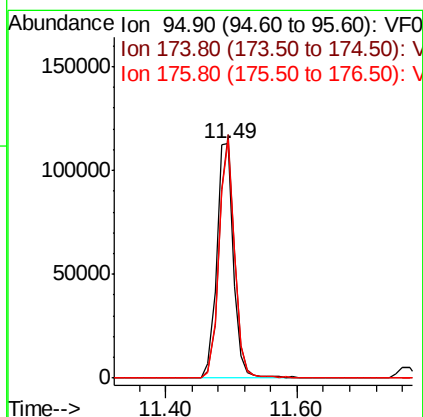
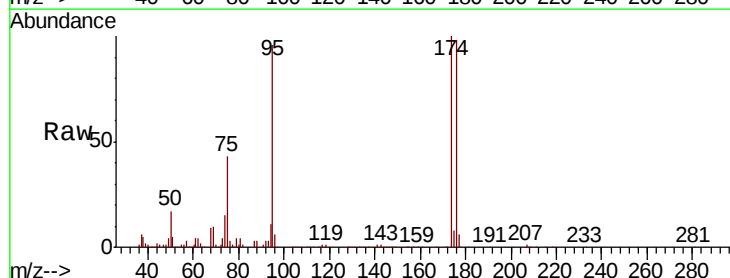
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

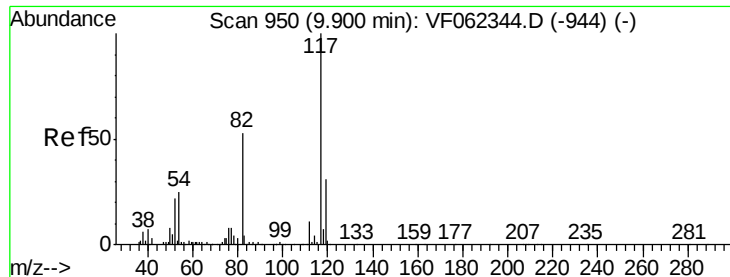
Tgt Ion: 107 Resp: 39436
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.963 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion: 95 Resp: 200069
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 191.8
 176 94.4 0.0 193.2

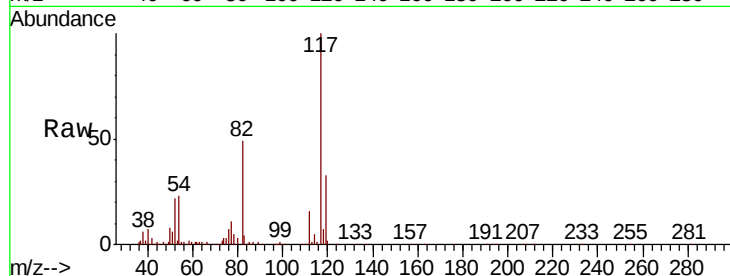




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.9	42.2	63.2
119	32.8	25.0	37.4

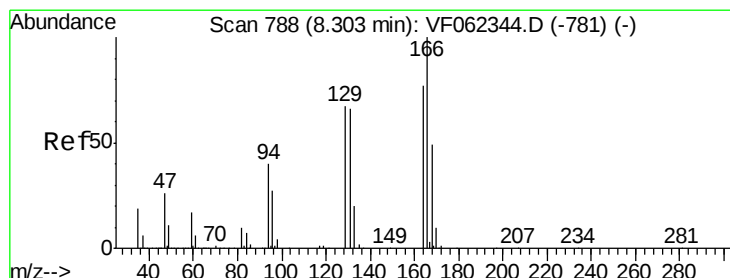
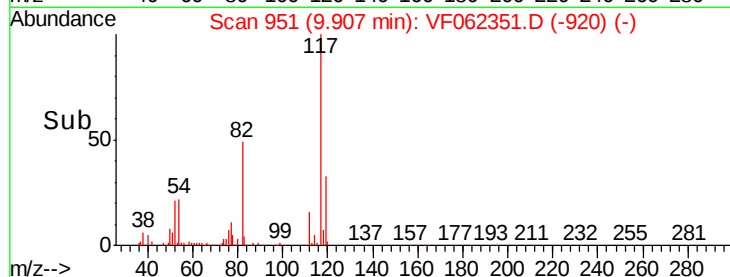
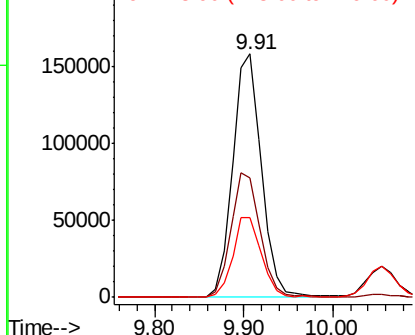


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.819 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.2	156.4
129	85.9	69.6	104.4
131	84.1	68.8	103.2

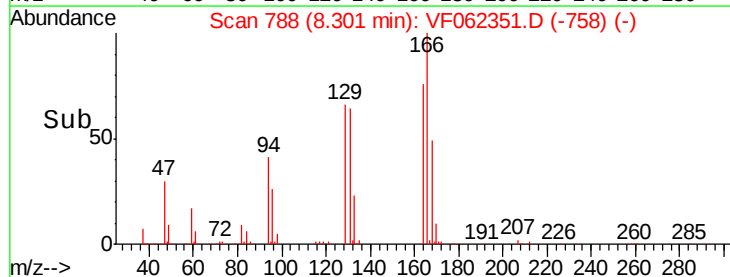
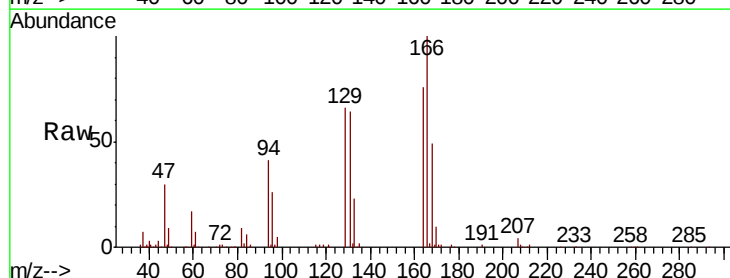
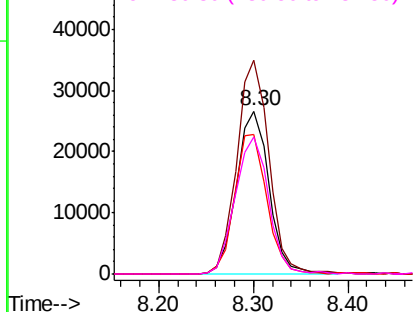
Abundance

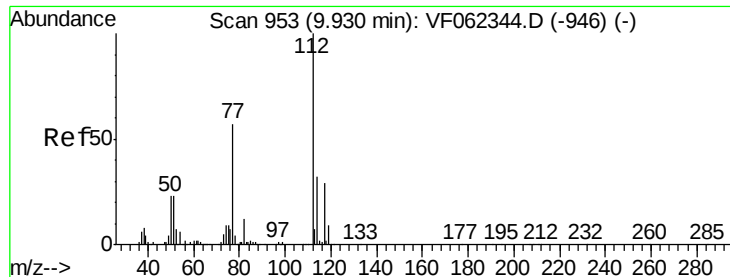
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.324 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

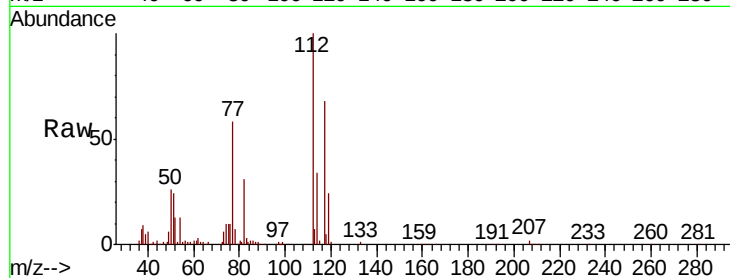
VF0507SBS01

Tgt Ion:112 Resp: 132093

Ion Ratio Lower Upper

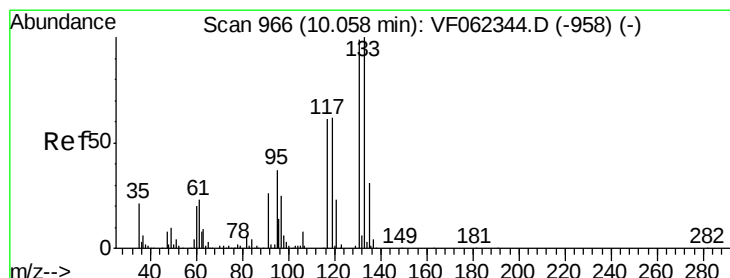
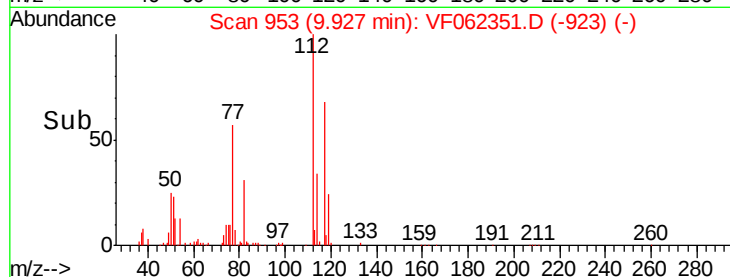
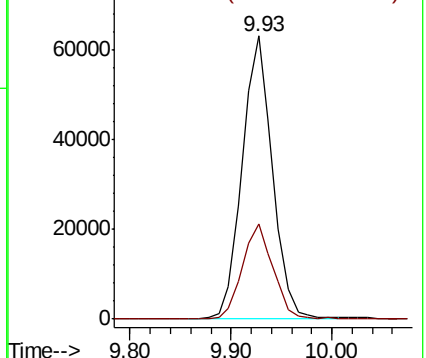
112 100

114 33.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.806 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

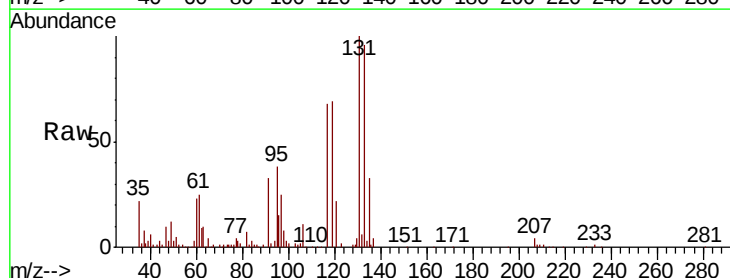
Tgt Ion:131 Resp: 68078

Ion Ratio Lower Upper

131 100

133 94.4 50.2 150.7

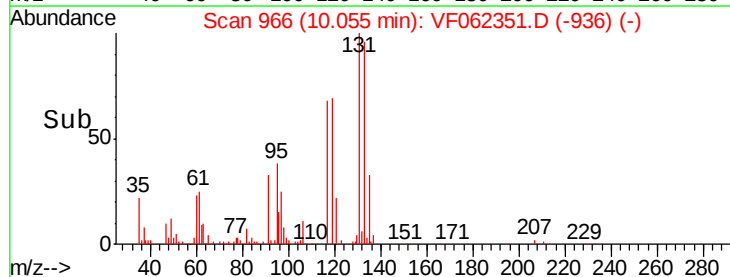
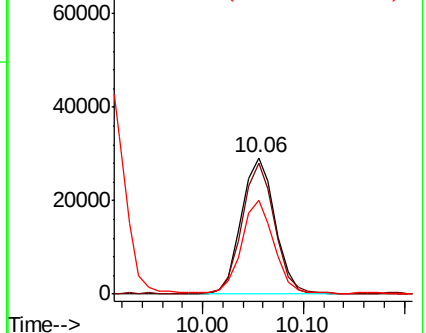
119 66.1 31.6 95.0

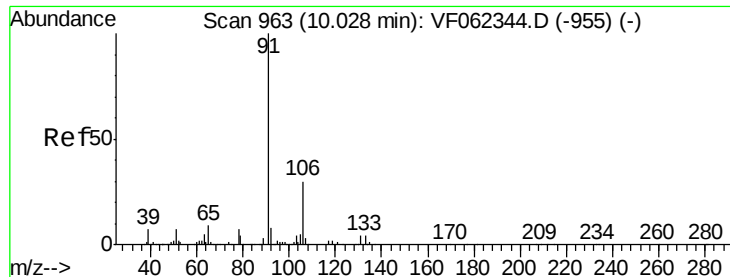


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.729 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

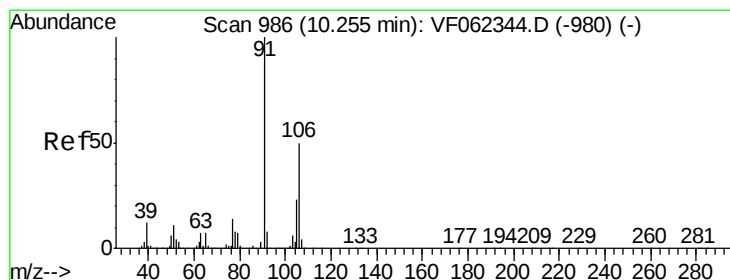
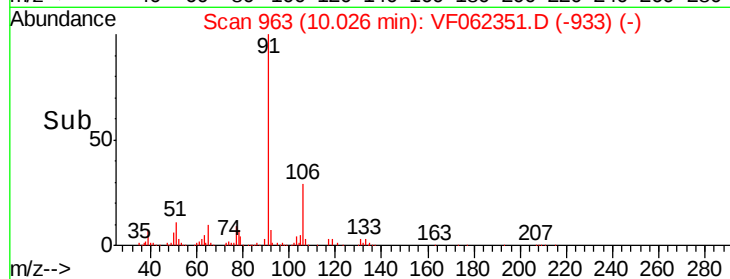
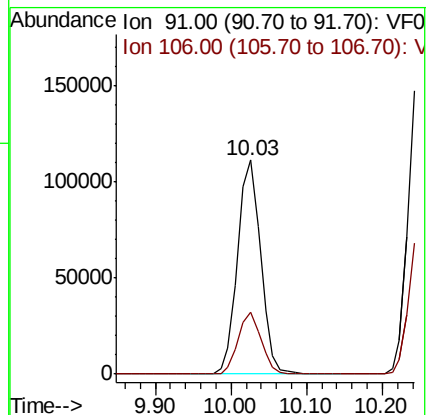
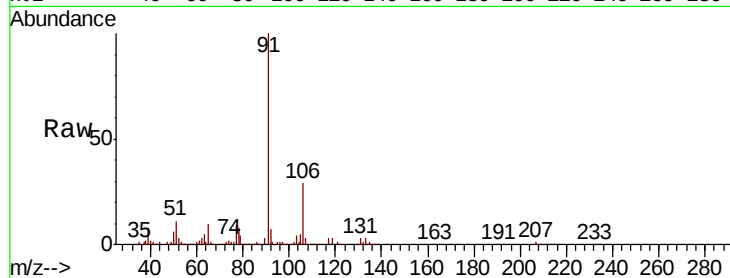
VF0507SBS01

Tgt Ion: 91 Resp: 235511

Ion Ratio Lower Upper

91 100

106 29.2 24.1 36.1



#68

m/p-Xylenes

Concen: 46.462 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF062351.D

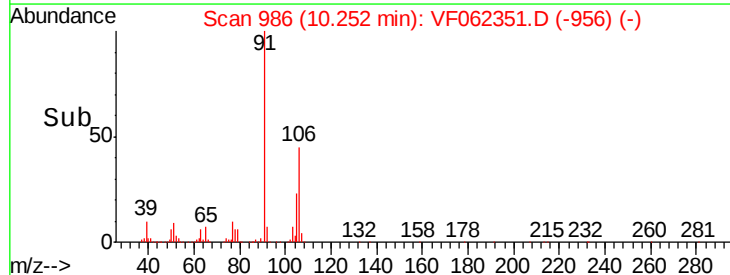
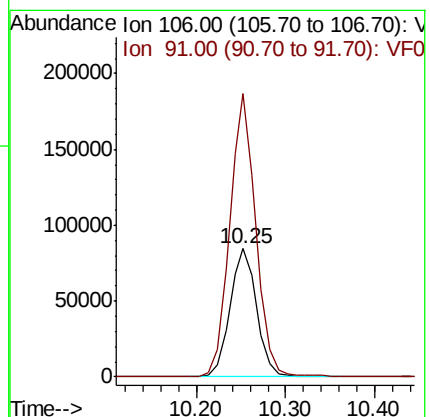
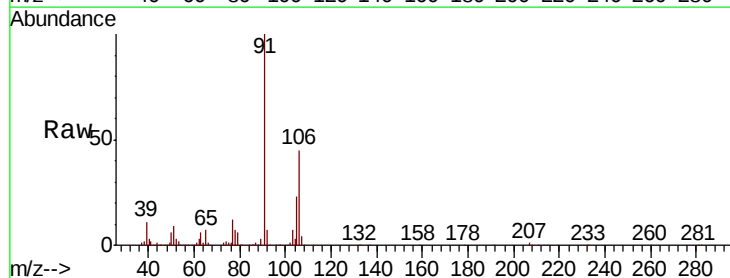
Acq: 7 May 2019 12:17

Tgt Ion: 106 Resp: 177626

Ion Ratio Lower Upper

106 100

91 214.9 167.4 251.2

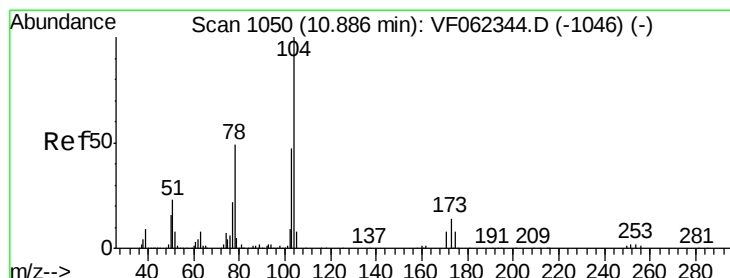
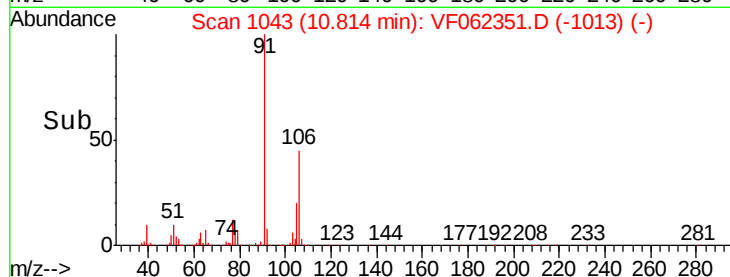
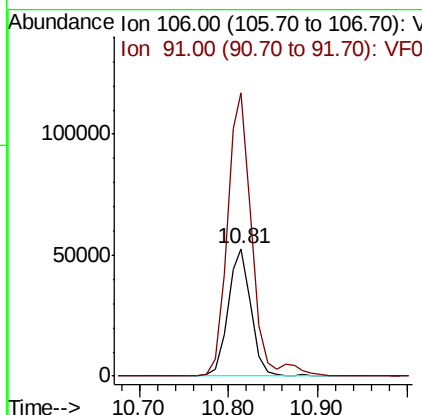
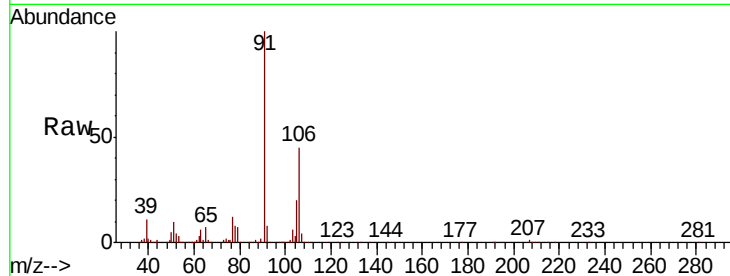




#69
o-Xylene
Concen: 23.095 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

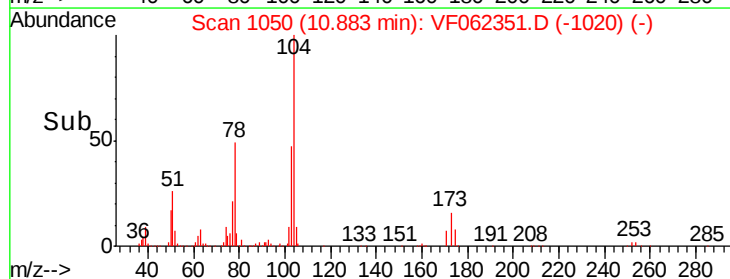
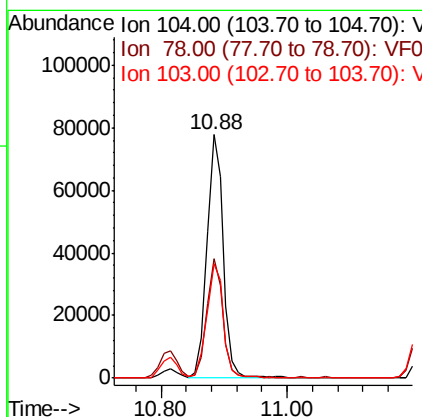
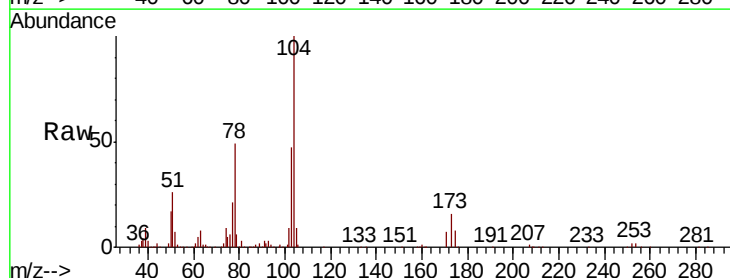
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

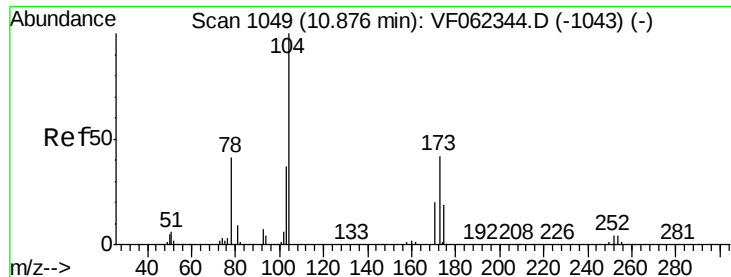
Tgt Ion:106 Resp: 95408
Ion Ratio Lower Upper
106 100
91 235.5 111.3 333.8



#70
Styrene
Concen: 22.869 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion:104 Resp: 141587
Ion Ratio Lower Upper
104 100
78 47.2 39.5 59.3
103 48.1 38.4 57.6





#71

Bromoform

Concen: 20.659 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

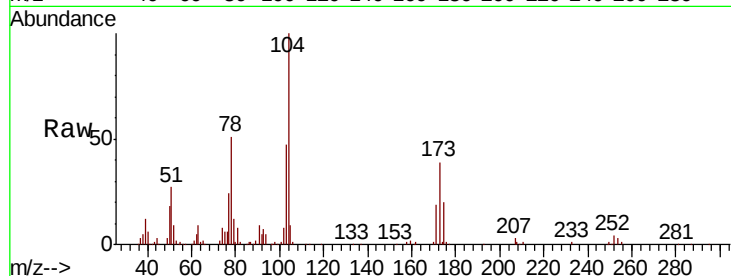
Tgt Ion:173 Resp: 33785

Ion Ratio Lower Upper

173 100

175 50.1 23.8 71.2

254 0.0 0.1 0.1#

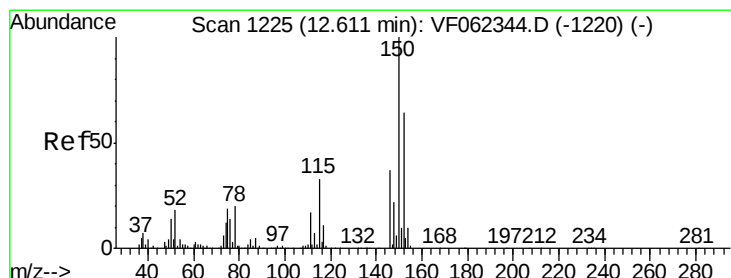
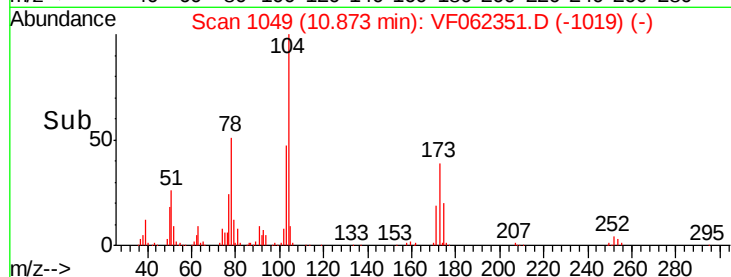
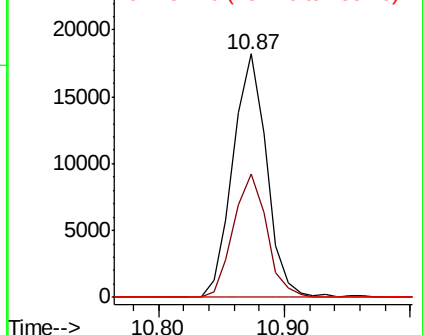


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

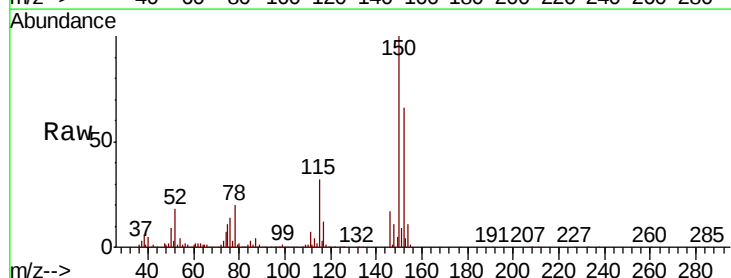
Tgt Ion:152 Resp: 225415

Ion Ratio Lower Upper

152 100

115 52.4 26.4 79.2

150 157.2 0.0 335.0

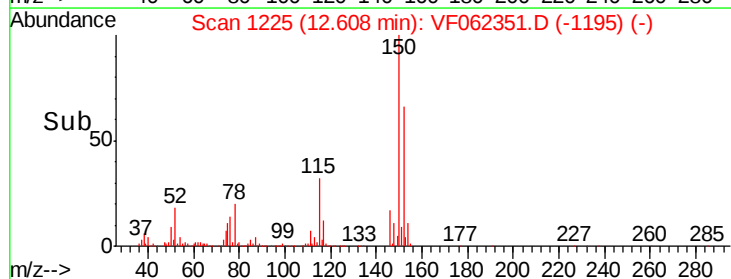
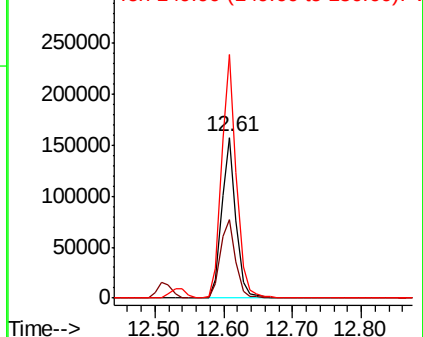


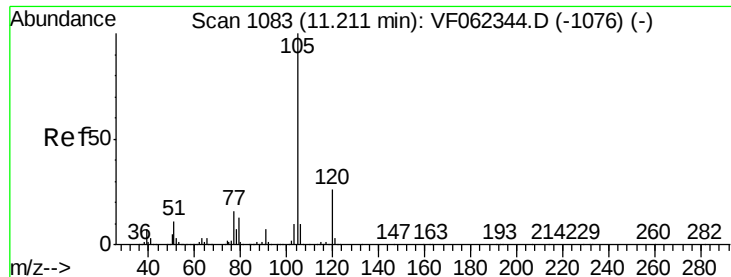
Abundance

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: 22.606 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

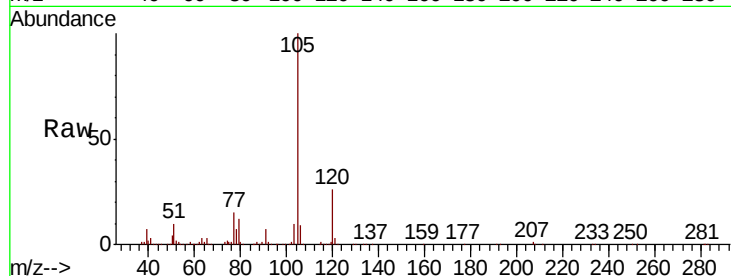
VF0507SBS01

Tgt Ion: 105 Resp: 302099

Ion Ratio Lower Upper

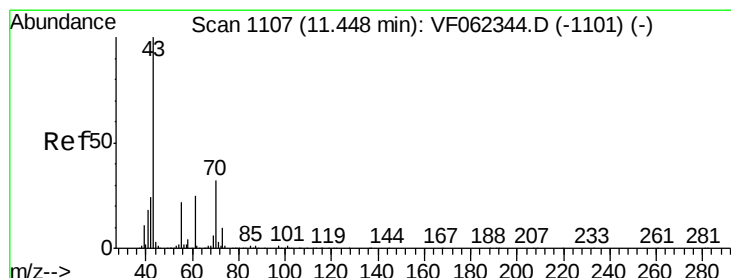
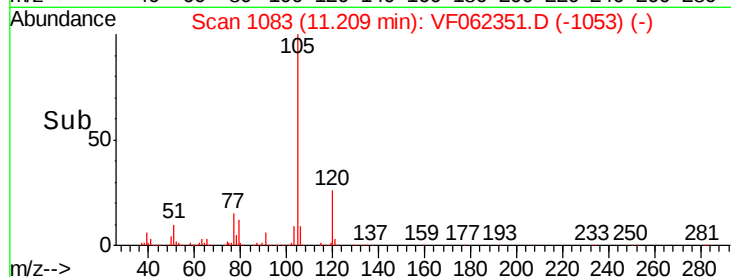
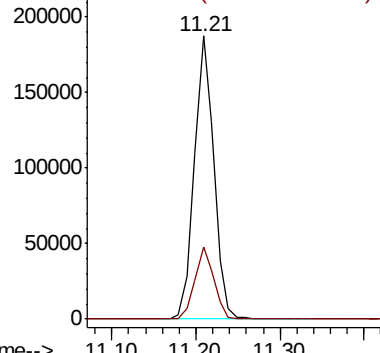
105 100

120 25.0 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: 20.574 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion: 43 Resp: 59027

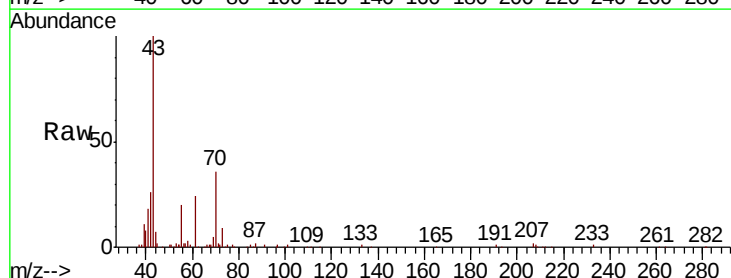
Ion Ratio Lower Upper

43 100

70 33.6 26.5 39.7

55 22.5 17.8 26.6

61 23.6 20.2 30.2

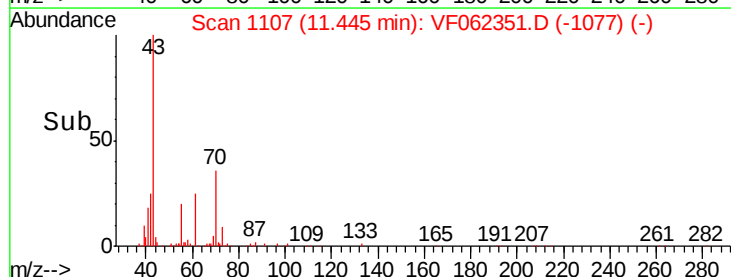
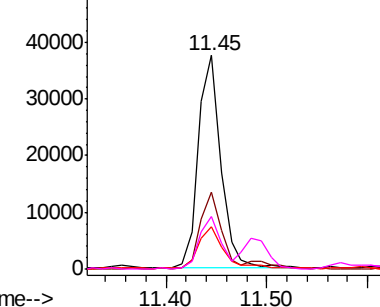


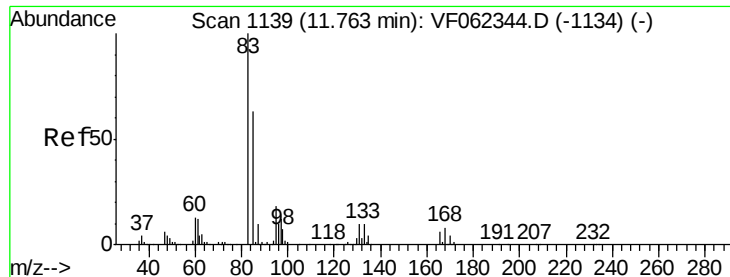
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.048 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

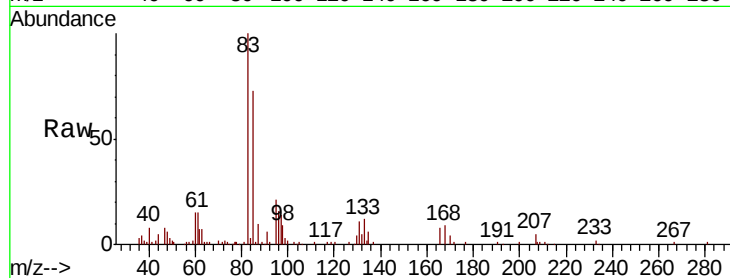
Tgt Ion: 83 Resp: 41949

Ion Ratio Lower Upper

83 100

131 11.9 5.8 17.4

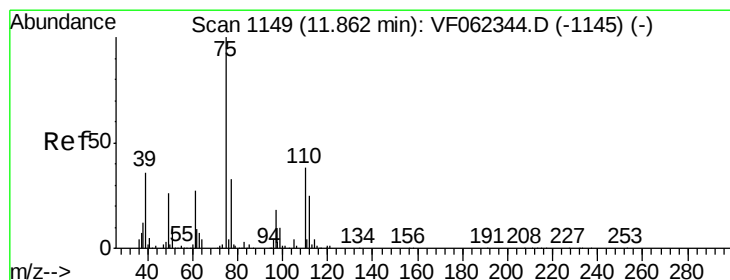
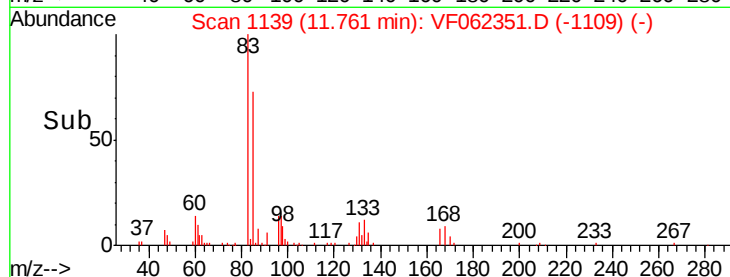
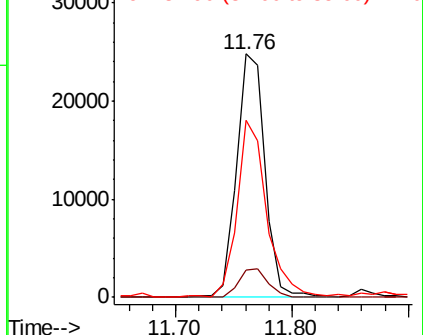
85 75.9 35.3 105.7



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: 20.429 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062351.D

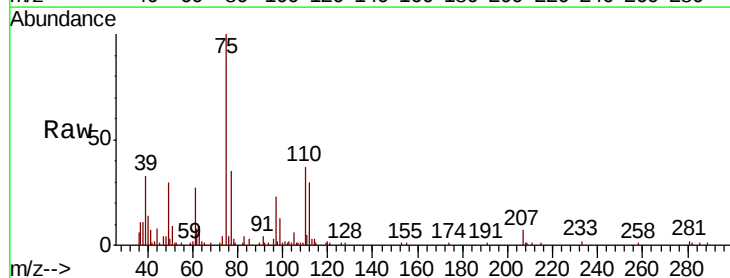
Acq: 7 May 2019 12:17

Tgt Ion: 75 Resp: 32612

Ion Ratio Lower Upper

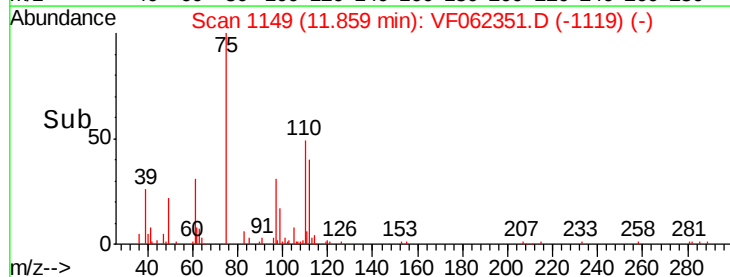
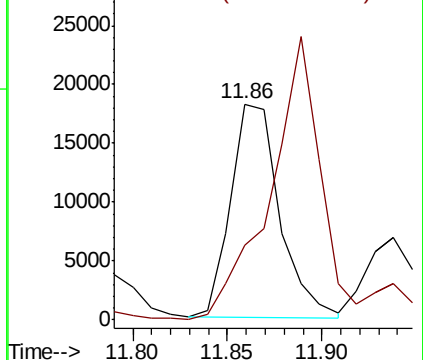
75 100

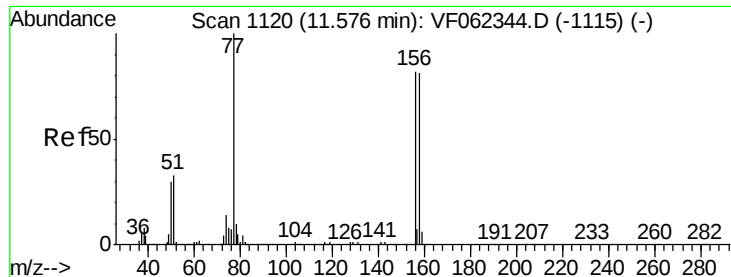
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.146 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

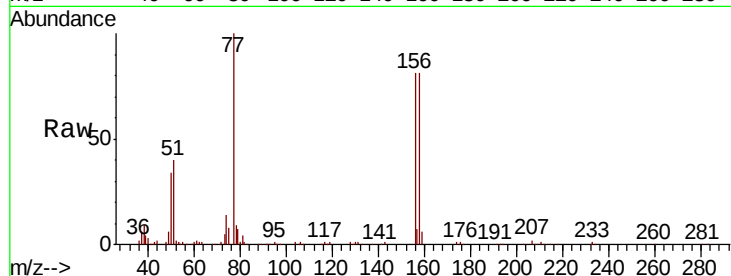
Tgt Ion:156 Resp: 74164

Ion Ratio Lower Upper

156 100

77 128.6 64.8 194.3

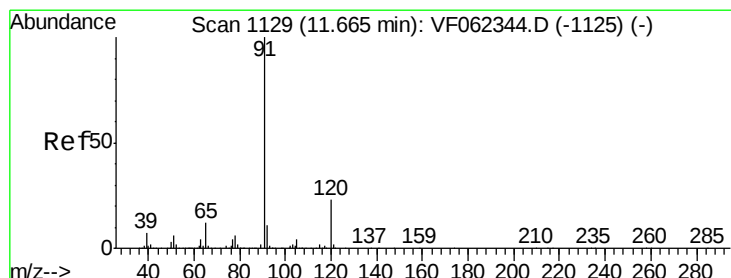
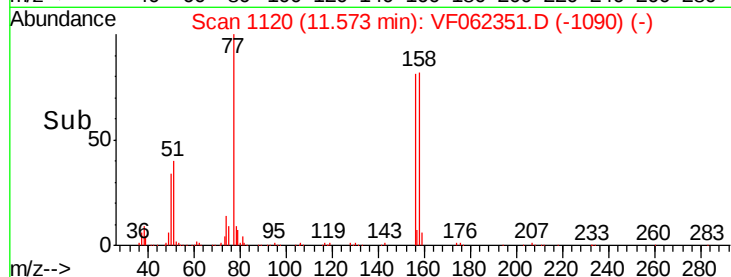
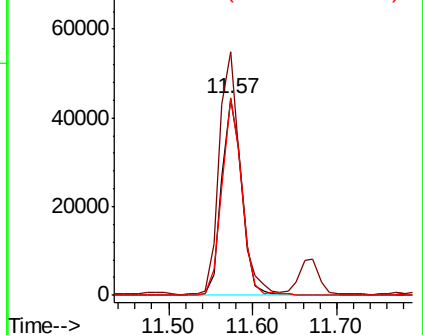
158 98.6 49.1 147.3



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: 22.046 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062351.D

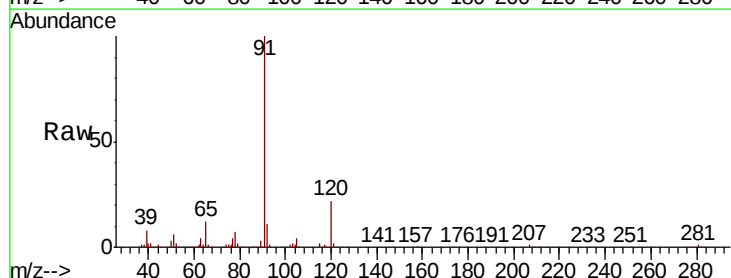
Acq: 7 May 2019 12:17

Tgt Ion: 91 Resp: 313664

Ion Ratio Lower Upper

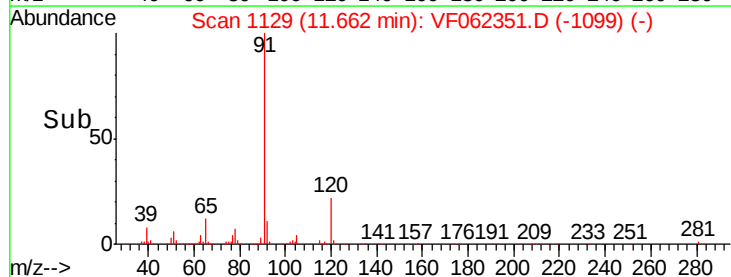
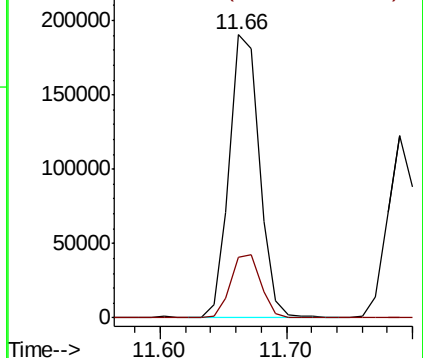
91 100

120 22.8 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: 21.887 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

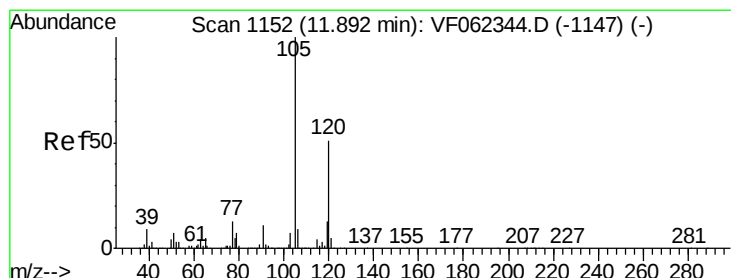
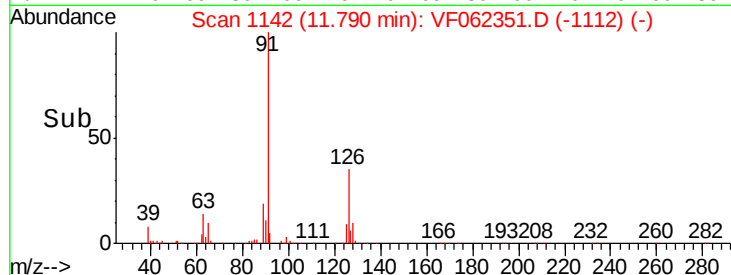
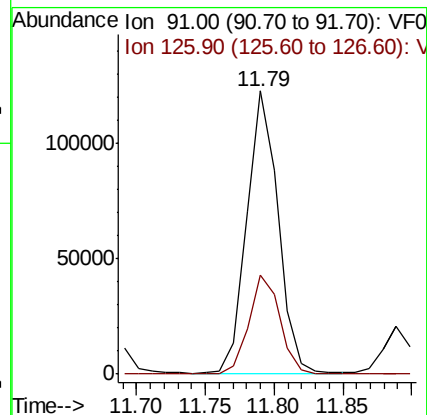
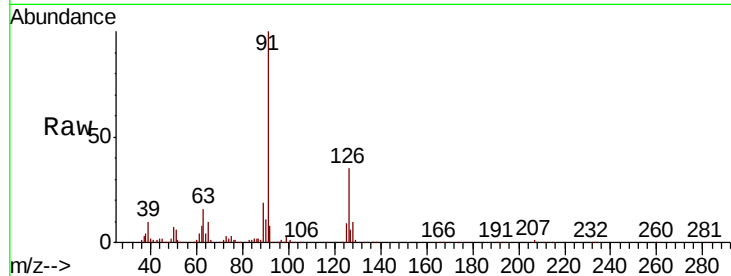
VF0507SBS01

Tgt Ion: 91 Resp: 193630

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 21.480 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062351.D

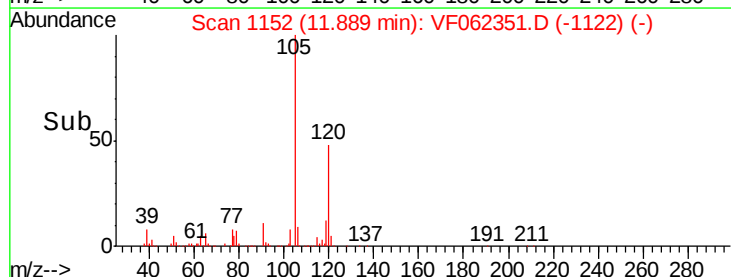
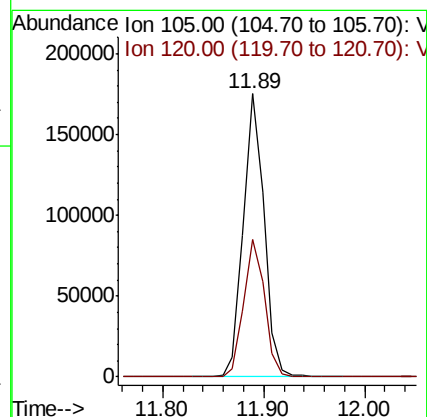
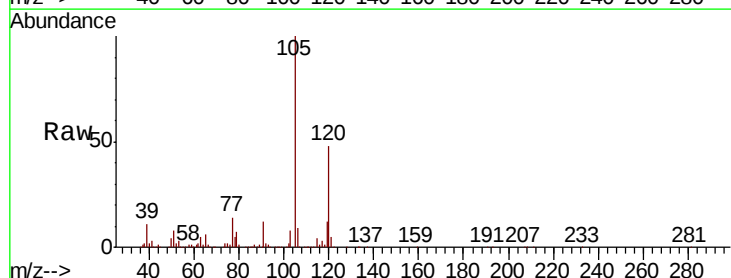
Acq: 7 May 2019 12:17

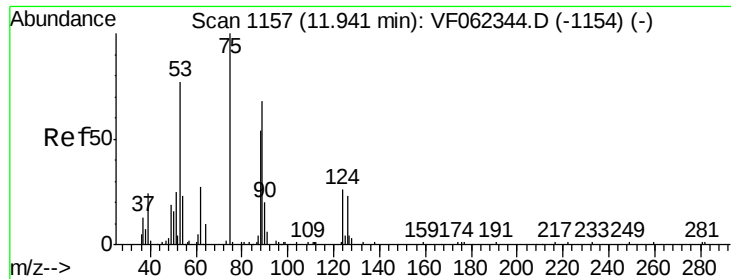
Tgt Ion: 105 Resp: 251595

Ion Ratio Lower Upper

105 100

120 49.0 24.6 74.0

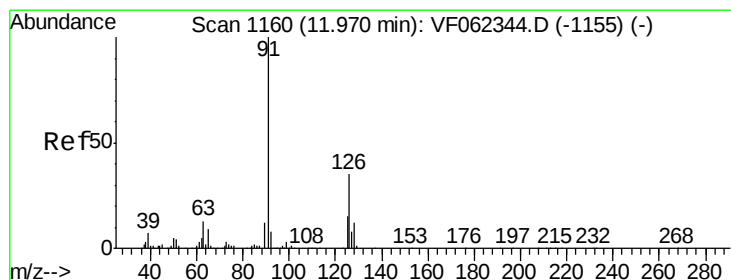
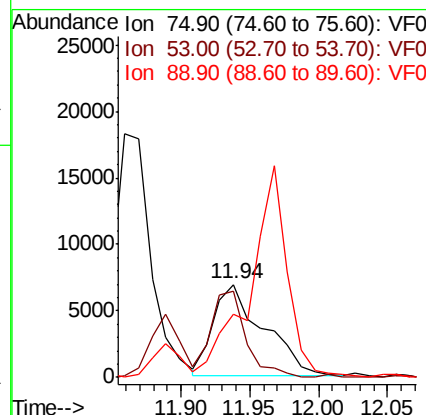
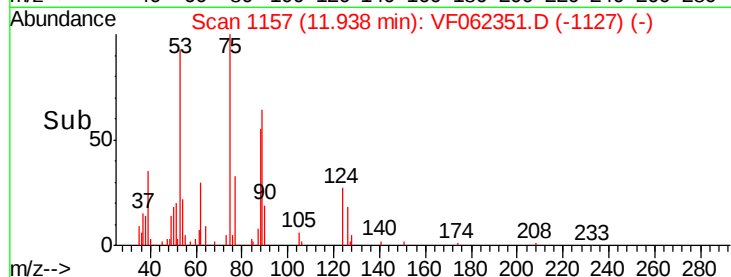
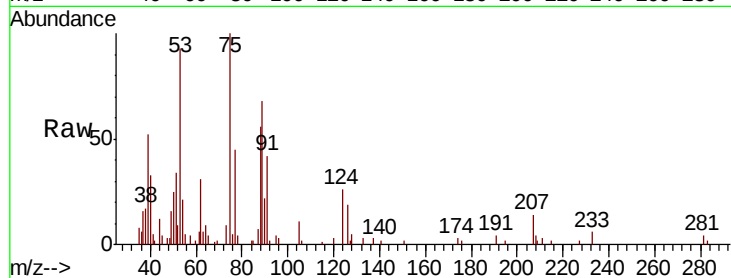




#81
trans-1,4-Dichloro-2-butene
Concen: 28.829 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

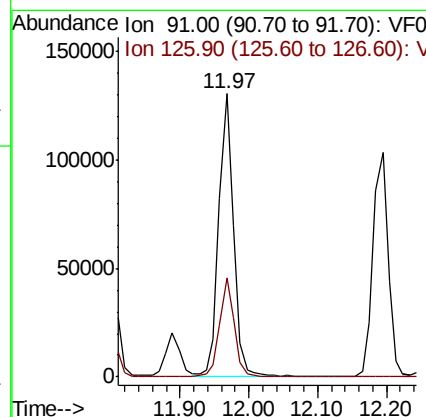
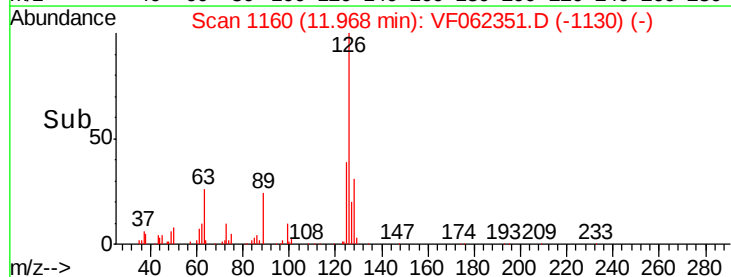
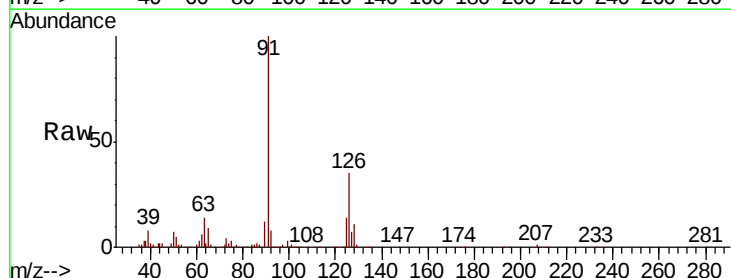
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

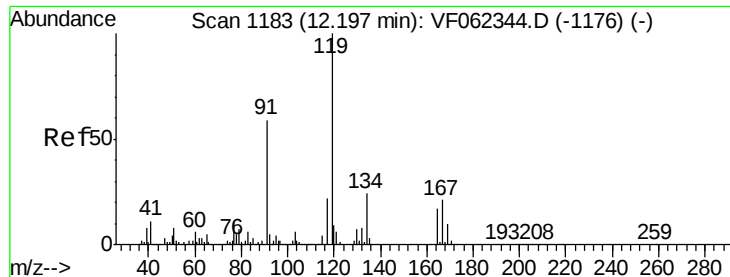
Tgt Ion: 75 Resp: 17299
Ion Ratio Lower Upper
75 100
53 66.3 71.9 107.9#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 22.227 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 91 Resp: 194215
Ion Ratio Lower Upper
91 100
126 34.9 17.7 53.1

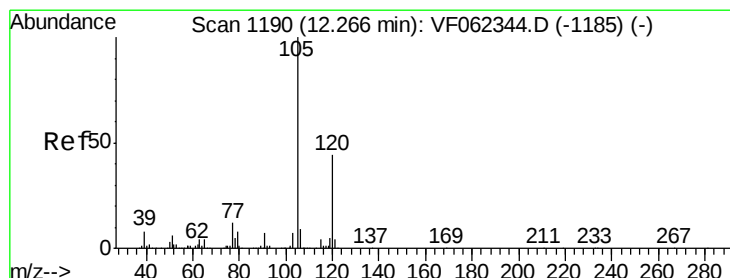
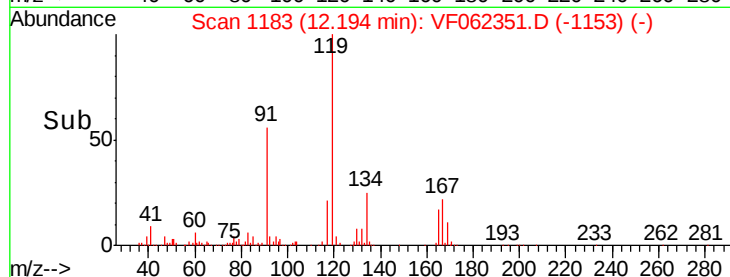
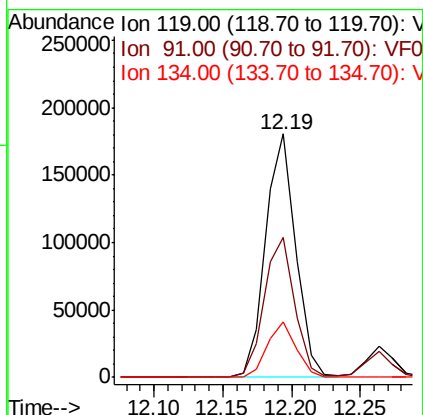
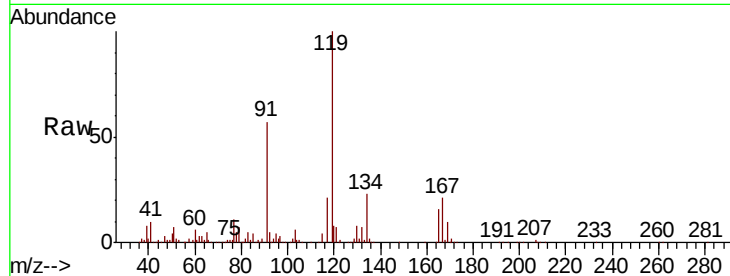




#83
 tert-Butylbenzene
 Concen: 22.307 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

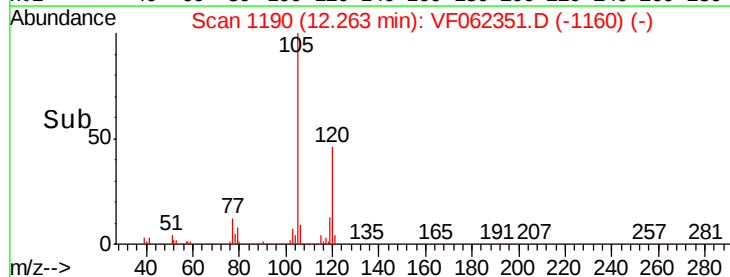
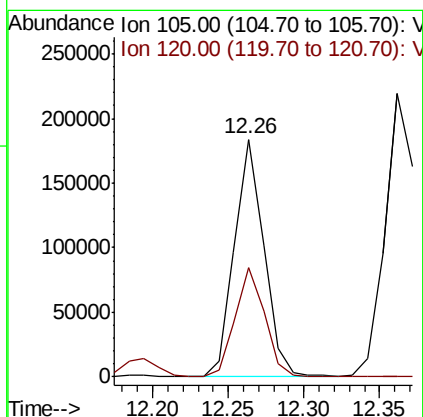
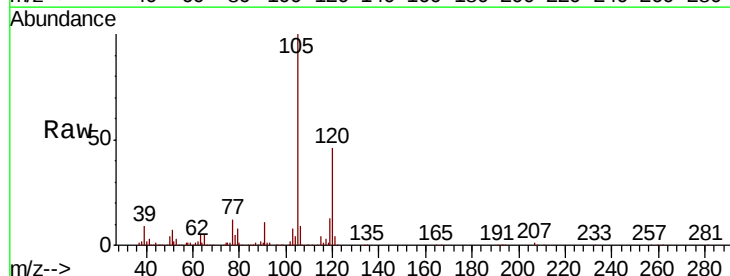
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

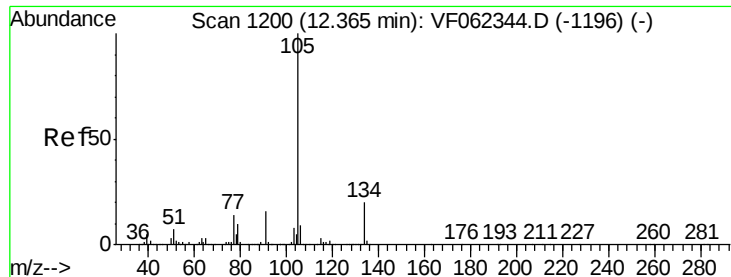
Tgt Ion:119 Resp: 274594
 Ion Ratio Lower Upper
 119 100
 91 58.1 30.4 91.3
 134 22.0 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.756 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion:105 Resp: 249377
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.378 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

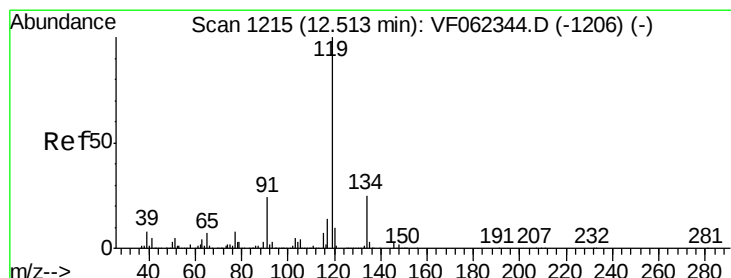
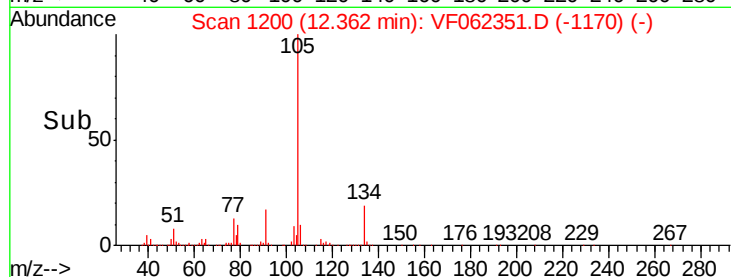
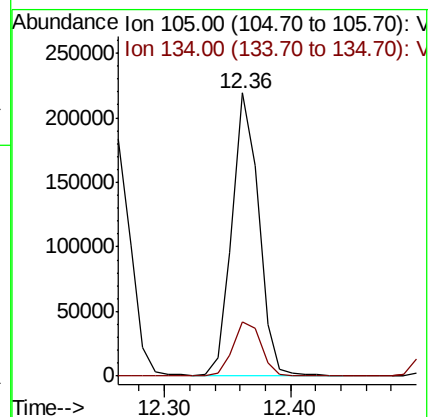
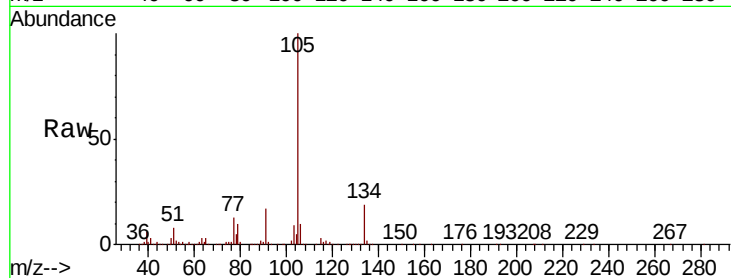
VF0507SBS01

Tgt Ion:105 Resp: 320316

Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.5



#86

p-Isopropyltoluene

Concen: 22.787 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

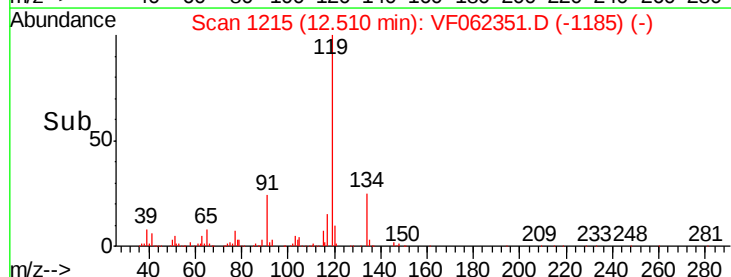
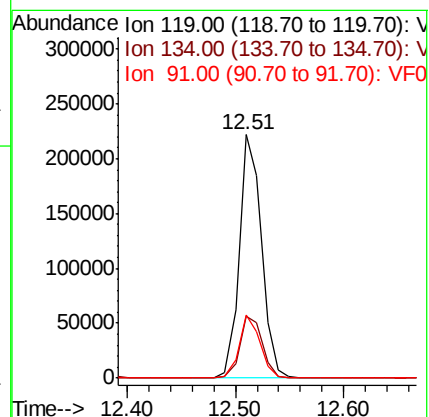
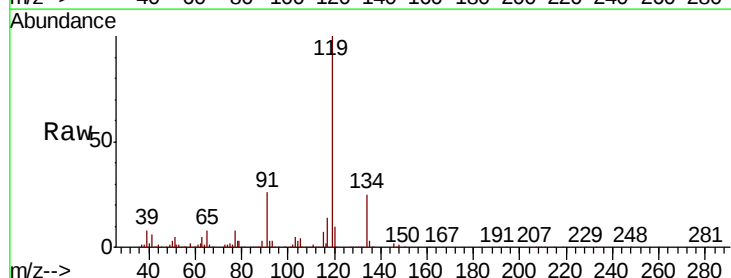
Tgt Ion:119 Resp: 317214

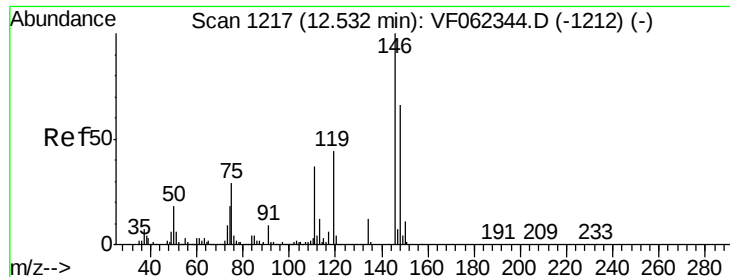
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 21.879 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

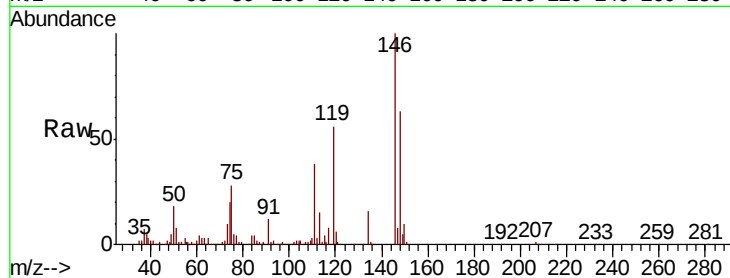
Tgt Ion:146 Resp: 140144

Ion Ratio Lower Upper

146 100

111 36.7 18.3 54.8

148 63.5 32.3 96.9

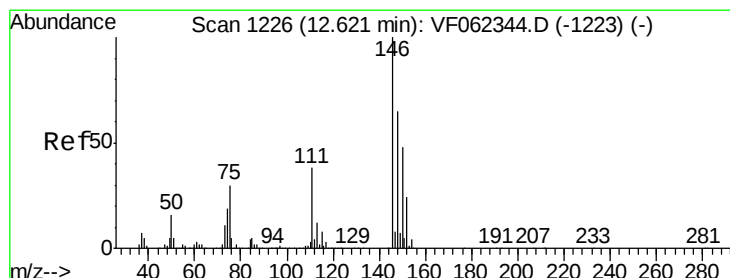
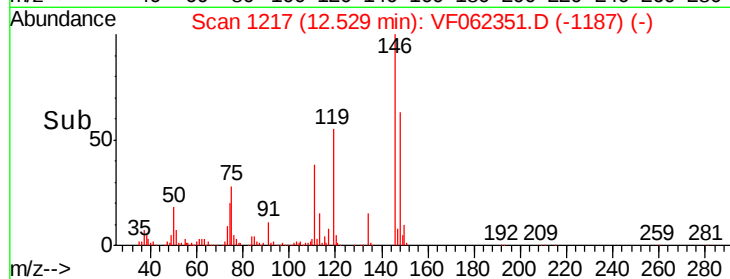
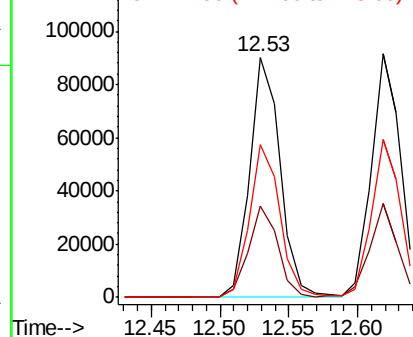


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.209 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

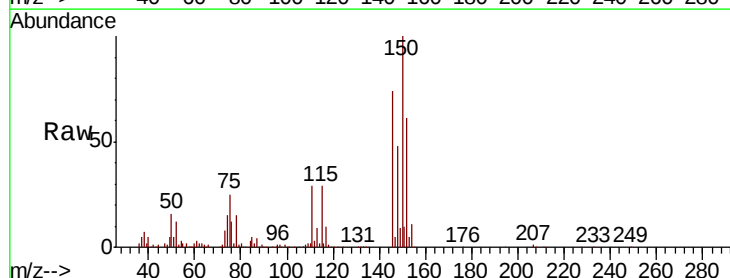
Tgt Ion:146 Resp: 137300

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.3

148 65.0 32.2 96.6

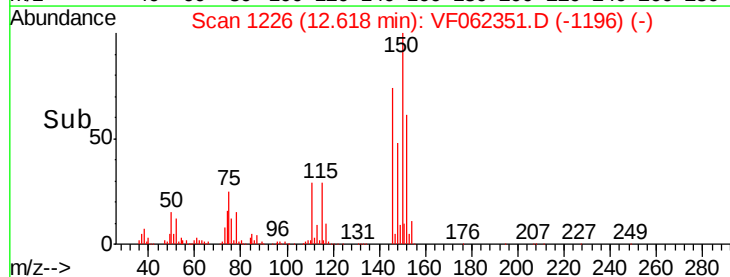
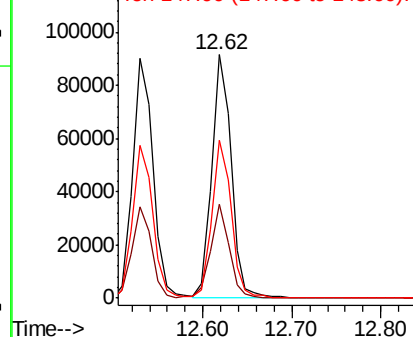


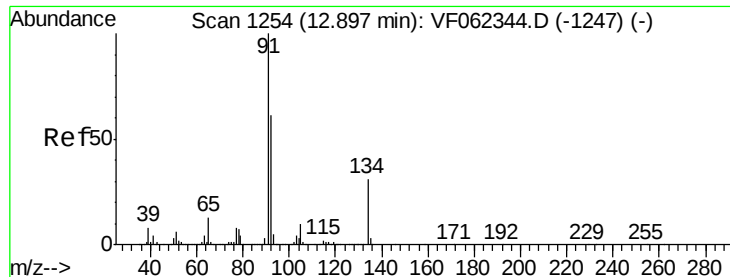
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 23.084 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

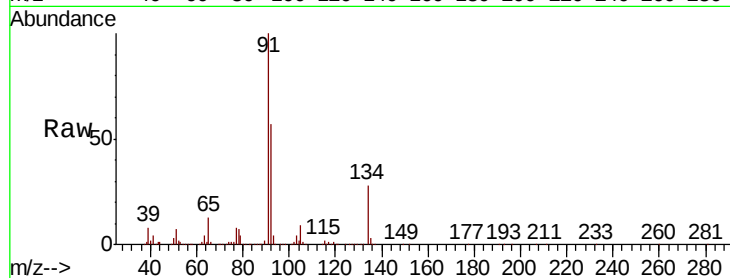
Tgt Ion: 91 Resp: 285902

Ion Ratio Lower Upper

91 100

92 56.8 30.0 90.0

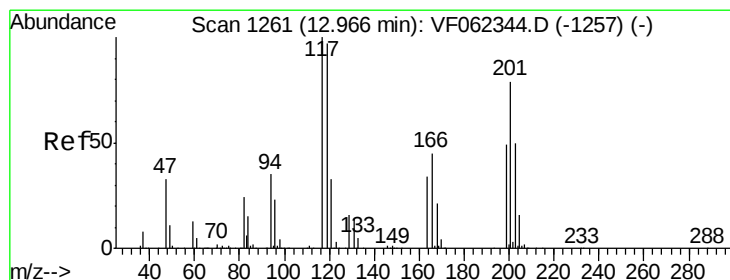
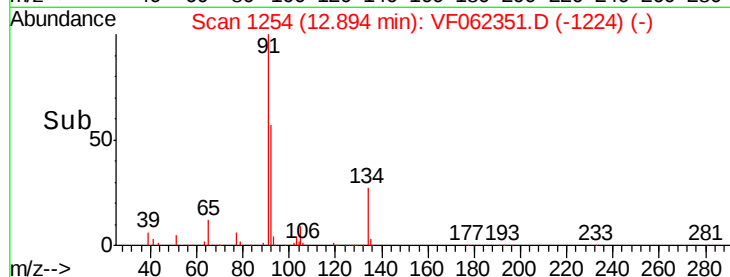
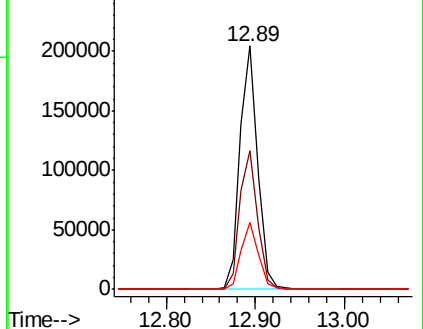
134 26.6 14.1 42.4



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: 21.236 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062351.D

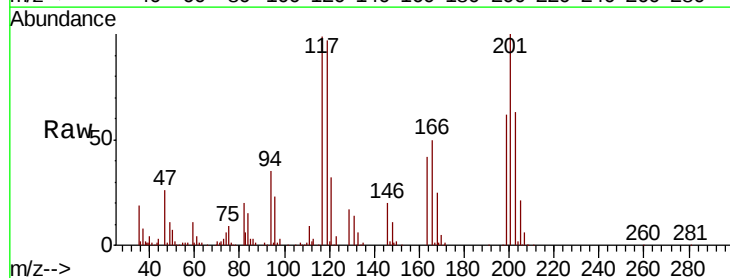
Acq: 7 May 2019 12:17

Tgt Ion: 117 Resp: 73811

Ion Ratio Lower Upper

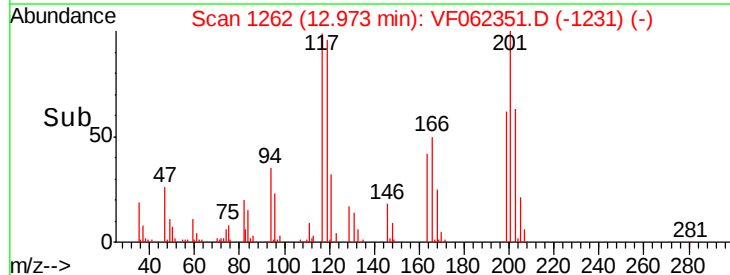
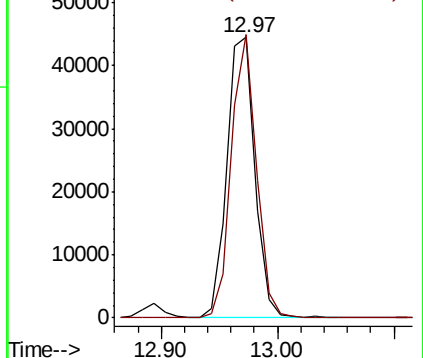
117 100

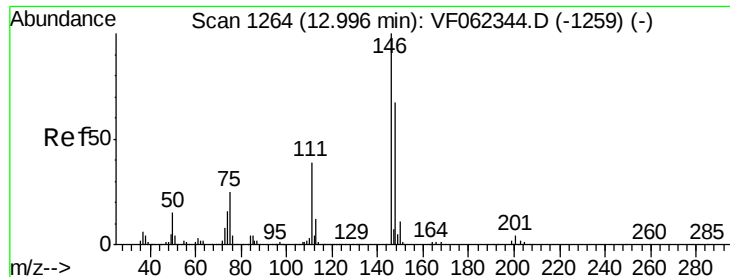
201 90.7 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

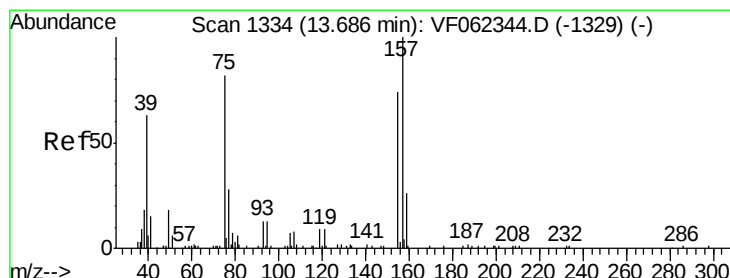
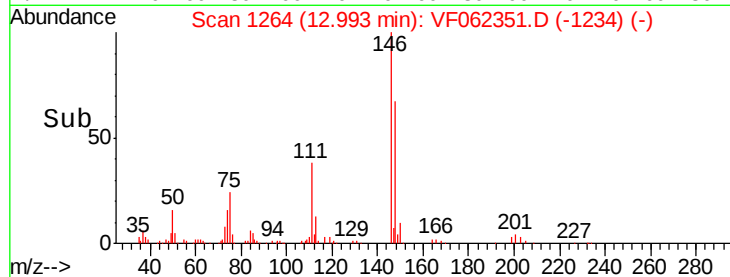
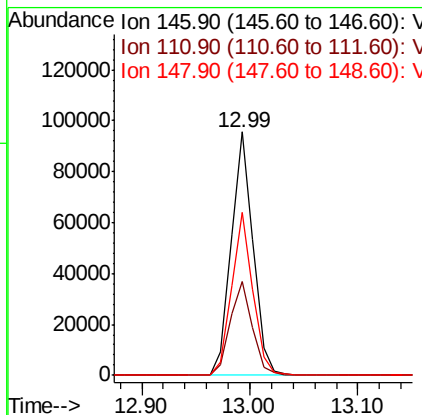
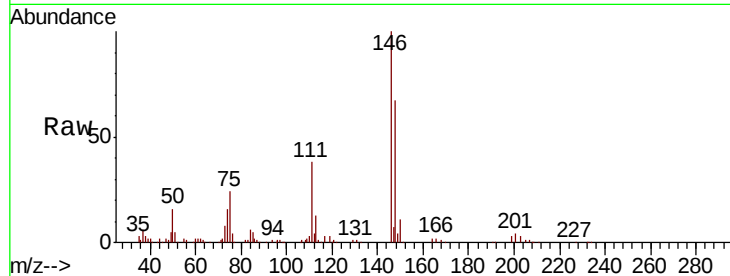




#91
 1,2-Dichlorobenzene
 Concen: 21.877 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

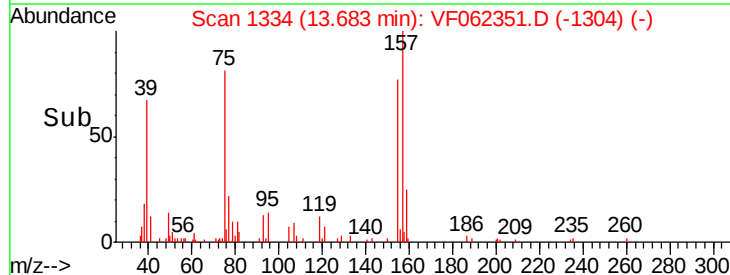
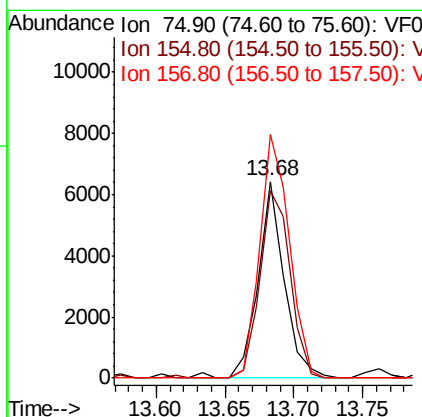
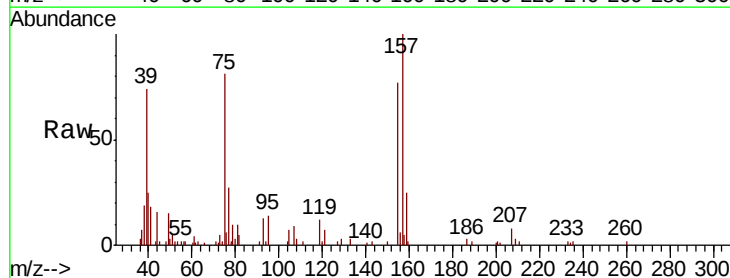
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

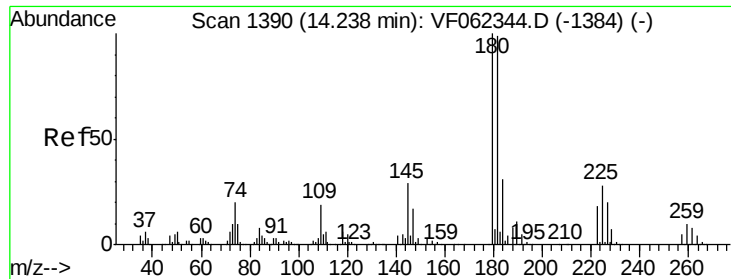
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	64.9	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.455 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	51.8	155.4
157	137.9	67.3	201.8

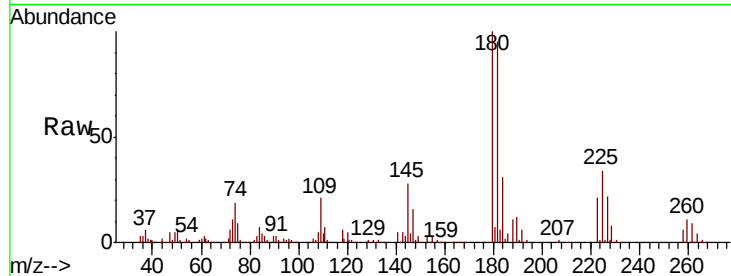




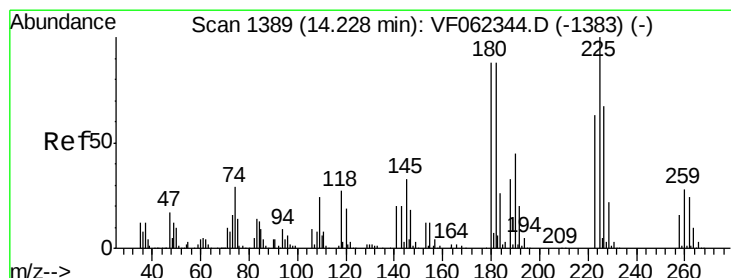
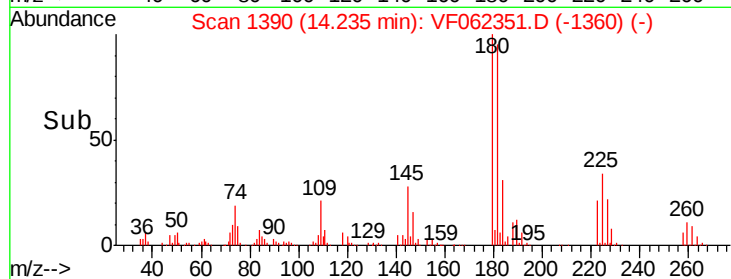
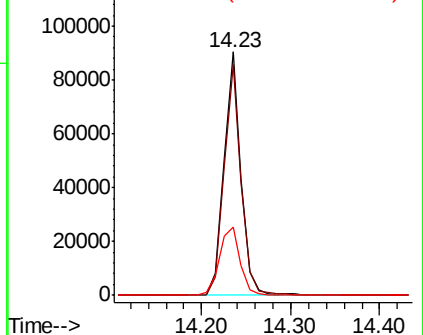
#93
 1,2,4-Trichlorobenzene
 Concen: 22.061 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tgt Ion:180 Resp: 122678
 Ion Ratio Lower Upper
 180 100
 182 94.2 49.0 147.0
 145 33.4 16.7 50.1

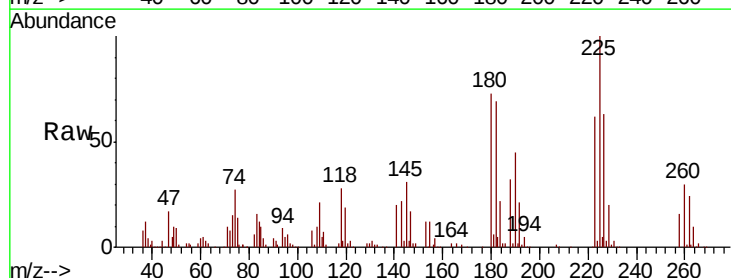


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

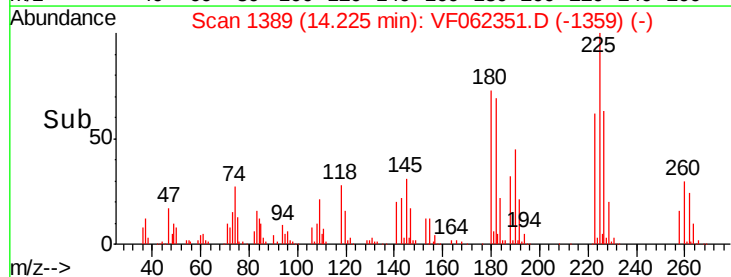
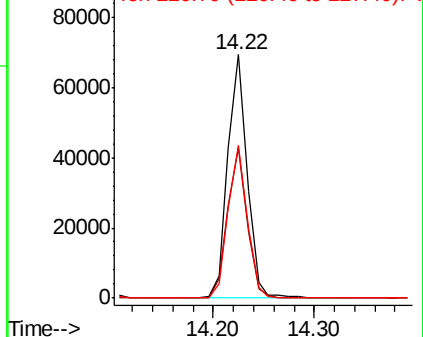


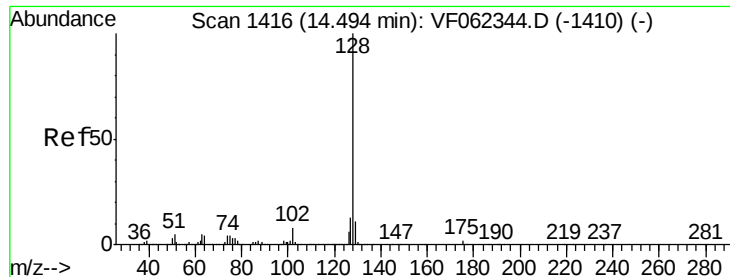
#94
 Hexachlorobutadiene
 Concen: 22.355 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion:225 Resp: 92656
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.9 95.5
 227 62.3 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: 19.705 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

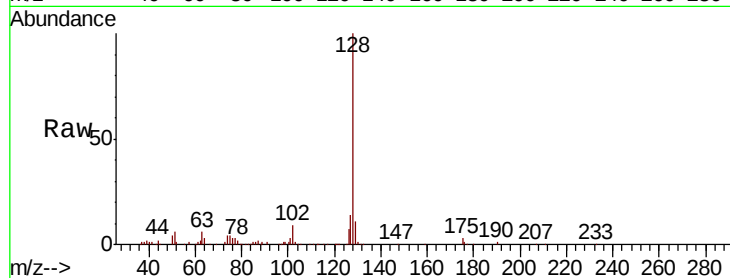
Tgt Ion:128 Resp: 164742

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

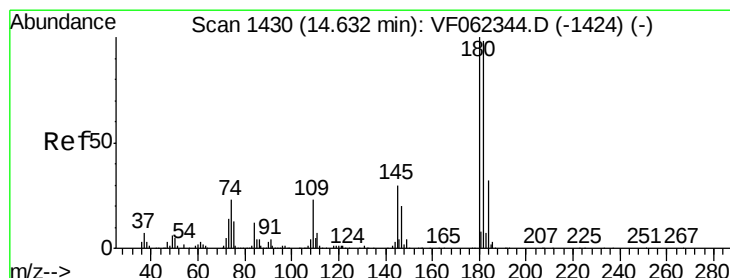
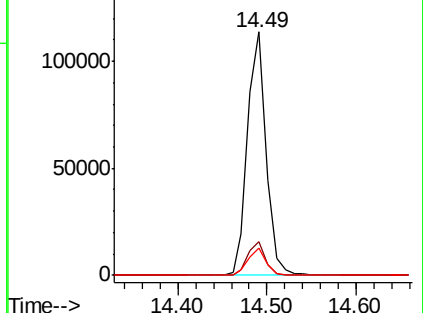
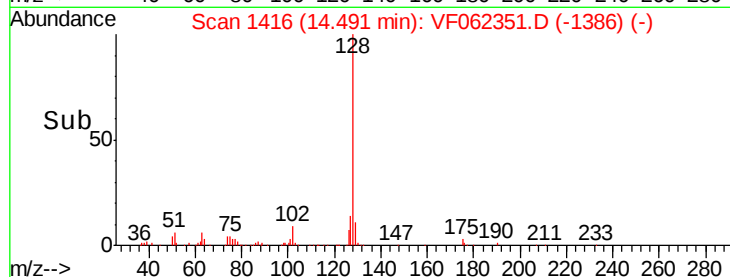
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.252 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

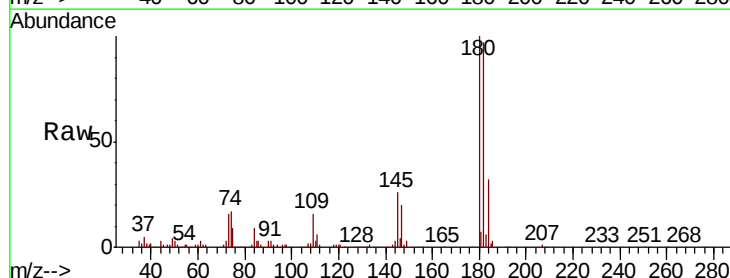
Tgt Ion:180 Resp: 114493

Ion Ratio Lower Upper

180 100

182 96.7 49.4 148.0

145 29.8 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

