

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062091.D
 Acq On : 22 Mar 2019 19:46
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 23 04:15:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	239041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	386645	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	339870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	170757	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	92324	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	4.14	113	132153	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	7.59	98	413369	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.43	95	156136	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	167473	54.689	ug/l	97
3) Chloromethane	1.11	50	175280	54.702	ug/l	100
4) Vinyl Chloride	1.15	62	165733	55.918	ug/l	99
5) Bromomethane	1.34	94	120798	56.698	ug/l	92
6) Chloroethane	1.40	64	86359	57.881	ug/l	98
7) Trichlorofluoromethane	1.50	101	211148	58.987	ug/l	96
8) Diethyl Ether	1.65	74	45309	55.412	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.85	101	141948	58.127	ug/l	100
10) Methyl Iodide	1.93	142	203214	43.790	ug/l	98
11) Tert butyl alcohol	2.60	59	26555	271.442	ug/l	97
12) 1,1-Dichloroethene	1.81	96	129419	56.167	ug/l	97
13) Acrolein	2.02	56	29162	247.892	ug/l	84
14) Allyl chloride	2.11	41	154941	62.983	ug/l	98
15) Acrylonitrile	2.97	53	96615	280.846	ug/l	92
16) Acetone	2.25	43	99972	267.155	ug/l	96
17) Carbon Disulfide	1.85	76	404982	57.638	ug/l	# 94
18) Methyl Acetate	2.37	43	42771	47.915	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	216734	59.514	ug/l	96
20) Methylene Chloride	2.20	84	47474	19.116	ug/l	97
21) trans-1,2-Dichloroethene	2.33	96	134056	60.468	ug/l	93
22) Diisopropyl ether	2.82	45	379742	58.876	ug/l	97
23) Vinyl Acetate	3.22	43	789682	299.035	ug/l	99
24) 1,1-Dichloroethane	2.89	63	227597	58.843	ug/l	99
25) 2-Butanone	4.37	43	219899	281.485	ug/l	96
26) 2,2-Dichloropropane	3.62	77	89519	57.082	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	165983	56.499	ug/l	97
28) Bromochloromethane	3.75	49	89151	56.413	ug/l	98
29) Tetrahydrofuran	4.11	42	94573	278.435	ug/l	100
30) Chloroform	3.89	83	237753	58.164	ug/l	97
31) Cyclohexane	3.72	56	225434	55.805	ug/l	93
32) 1,1,1-Trichloroethane	4.12	97	166405	66.922	ug/l	94
36) 1,1-Dichloropropene	4.31	75	197475	53.621	ug/l	98
37) Ethyl Acetate	4.14	43	88867	55.215	ug/l	97
38) Carbon Tetrachloride	4.03	117	146811	58.489	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	237920	55.663	ug/l	96
40) Benzene	4.67	78	527617	53.441	ug/l	100
41) Methacrylonitrile	4.78	41	45780	53.758	ug/l	91
42) 1,2-Dichloroethane	4.97	62	126852	54.334	ug/l	96
43) Isopropyl Acetate	6.98	43	103632	53.167	ug/l #	98
44) Trichloroethene	5.53	130	158673	52.568	ug/l	96
45) 1,2-Dichloropropane	6.26	63	131369	55.788	ug/l	98
46) Dibromomethane	6.12	93	80509	55.918	ug/l	86
47) Bromodichloromethane	6.41	83	177748	55.736	ug/l	96
48) Methyl methacrylate	6.75	41	65370	58.902	ug/l	97
49) 1,4-Dioxane	6.74	88	10784	1107.397	ug/l	93
51) 4-Methyl-2-Pentanone	8.29	43	360359	276.222	ug/l	97
52) Toluene	7.65	92	317843	55.582	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	140851	56.261	ug/l	95
54) cis-1,3-Dichloropropene	7.33	75	203964	56.940	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	89742	55.250	ug/l	96
56) Ethyl methacrylate	8.65	69	109487	56.520	ug/l	94
57) 1,3-Dichloropropane	8.88	76	150244	55.732	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	79902	271.824	ug/l	99
59) 2-Hexanone	9.52	43	250313	261.792	ug/l	98
60) Dibromochloromethane	8.74	129	128529	56.920	ug/l	98
61) 1,2-Dibromoethane	9.02	107	102437	59.112	ug/l	100
64) Tetrachloroethene	8.19	164	136444	51.963	ug/l	92
65) Chlorobenzene	9.82	112	350325	55.089	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	136375	53.388	ug/l	98
67) Ethyl Benzene	9.93	91	603241	54.546	ug/l	98
68) m/p-Xylenes	10.16	106	450757	109.050	ug/l	99
69) o-Xylene	10.74	106	237879	54.947	ug/l	95
70) Styrene	10.81	104	368933	56.245	ug/l	98
71) Bromoform	10.80	173	71124	54.437	ug/l #	95
73) Isopropylbenzene	11.15	105	681232	56.696	ug/l	98
74) N-amyl acetate	11.39	43	161499	56.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	114421	55.461	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	79655	54.862	ug/l	96
77) Bromobenzene	11.52	156	160834	54.788	ug/l	98
78) n-propylbenzene	11.62	91	774440	55.506	ug/l	96
79) 2-Chlorotoluene	11.74	91	435892	56.208	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	545535	55.198	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	42947	72.592	ug/l	94
82) 4-Chlorotoluene	11.91	91	442113	55.602	ug/l	100
83) tert-Butylbenzene	12.15	119	569670	55.062	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	553561	57.134	ug/l	97
85) sec-Butylbenzene	12.33	105	754383	56.364	ug/l	97
86) p-Isopropyltoluene	12.48	119	657108	56.668	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	305741	56.058	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	293367	55.124	ug/l	98
89) n-Butylbenzene	12.86	91	601934	54.410	ug/l	99
90) Hexachloroethane	12.94	117	147475	53.412	ug/l	77
91) 1,2-Dichlorobenzene	12.96	146	274368	53.575	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18128	57.991	ug/l	92

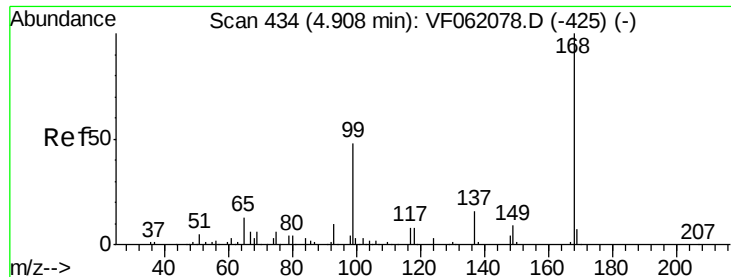
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	196970	55.186	ug/l	98
94) Hexachlorobutadiene	14.20	225	131453	55.391	ug/l	97
95) Naphthalene	14.48	128	359467	57.471	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	189391	56.687	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

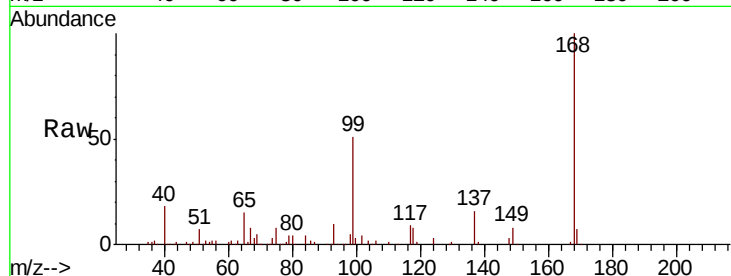
VSTDCCC050EC

Tot Ion:168 Resp: 239041

Ion Ratio Lower Upper

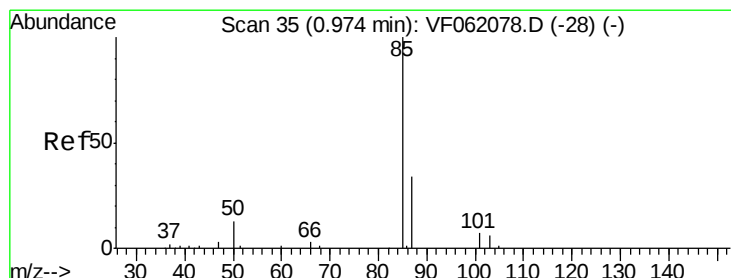
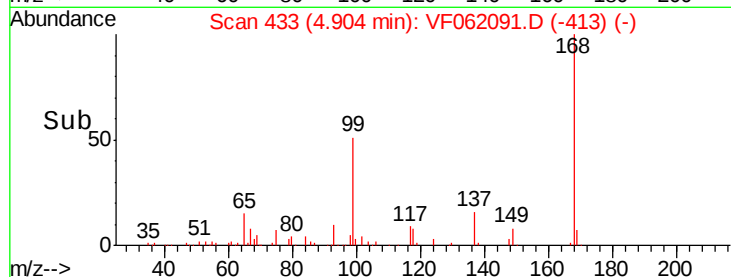
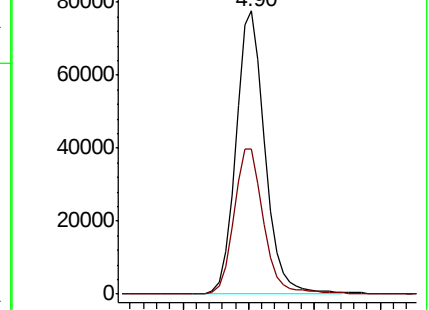
168 100

99 51.1 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 54.689 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062091.D

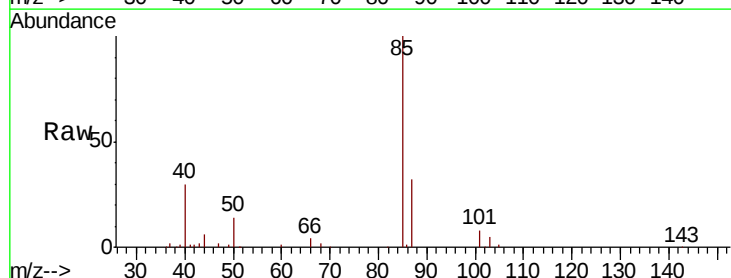
Acq: 22 Mar 2019 19:46

Tgt Ion: 85 Resp: 167473

Ion Ratio Lower Upper

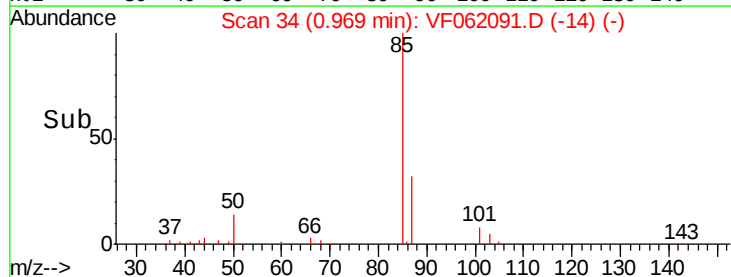
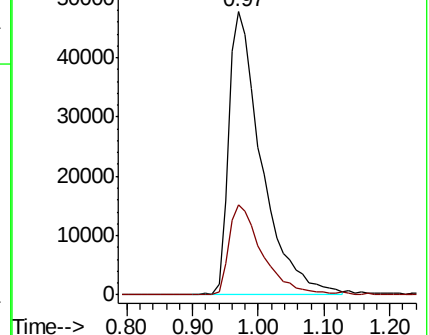
85 100

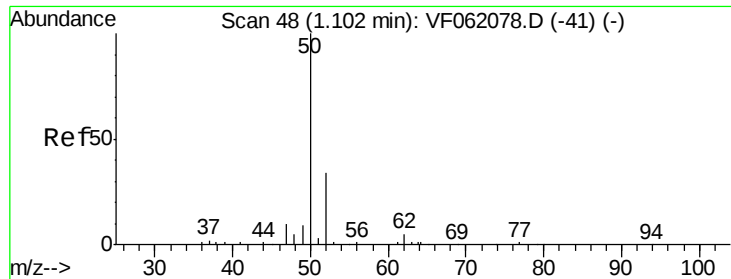
87 32.0 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 54.702 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

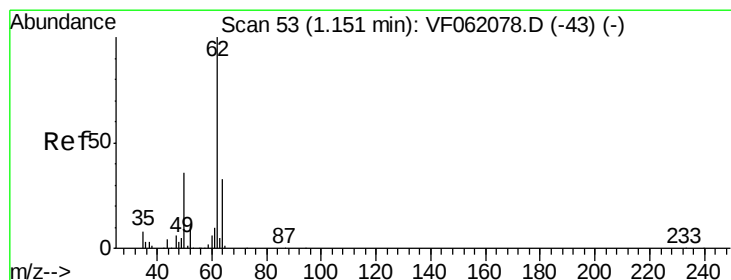
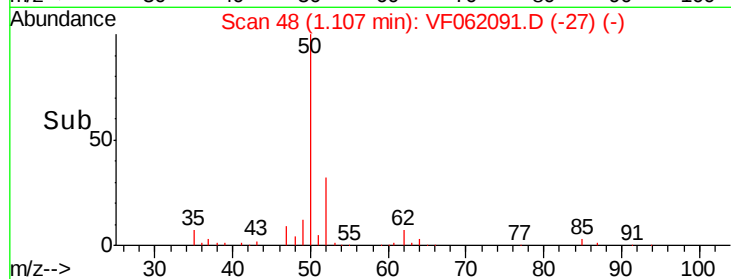
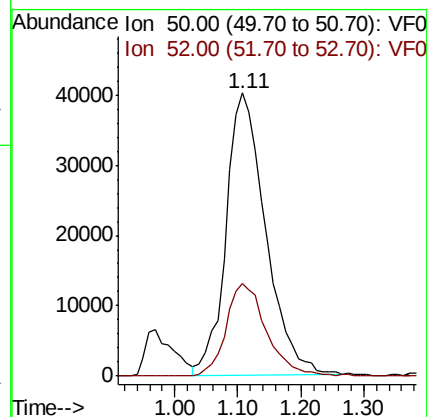
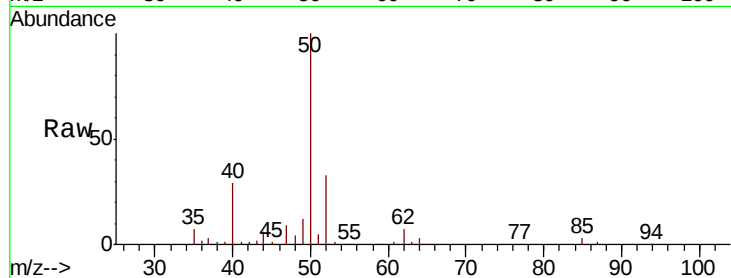
VSTDCCC050EC

Tot Ion: 50 Resp: 175280

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 55.918 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062091.D

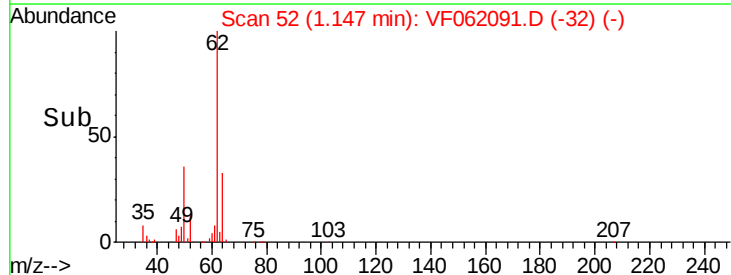
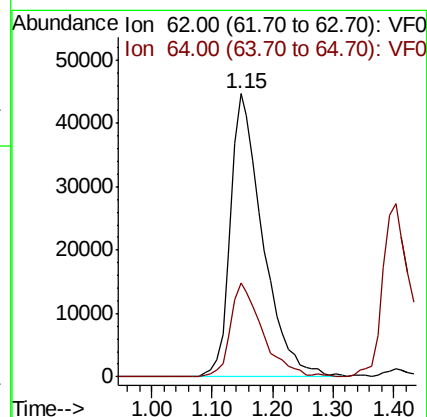
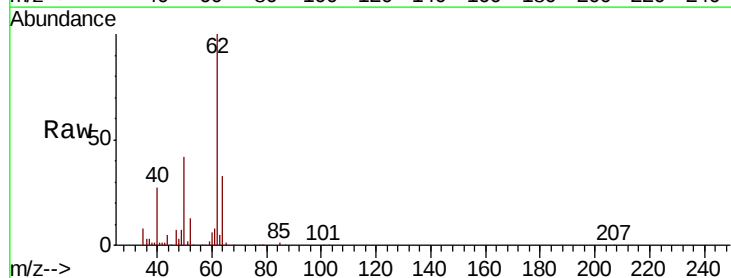
Acq: 22 Mar 2019 19:46

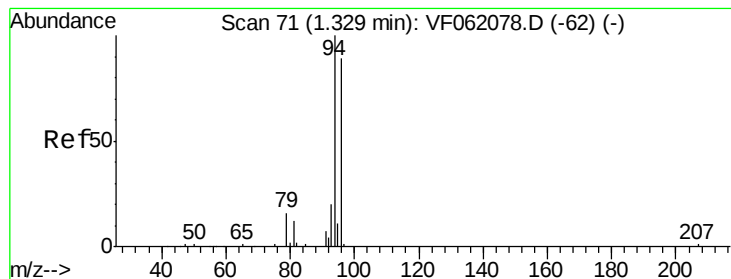
Tgt Ion: 62 Resp: 165733

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.2





#5

Bromomethane

Concen: 56.698 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

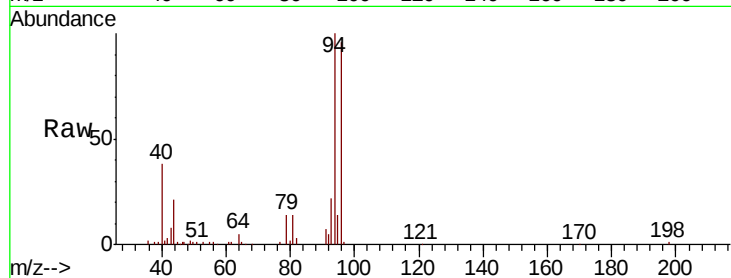
VSTDCCC050EC

Tot Ion: 94 Resp: 120798

Ion Ratio Lower Upper

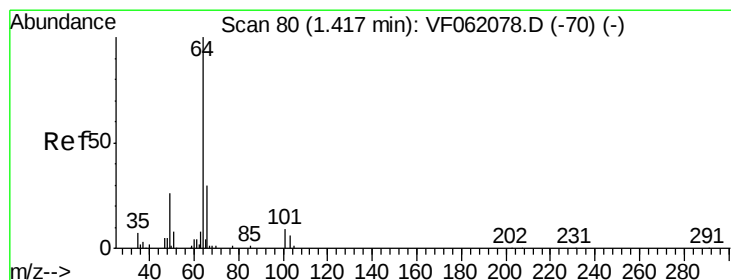
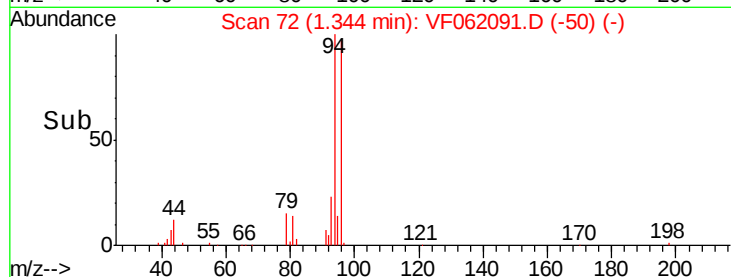
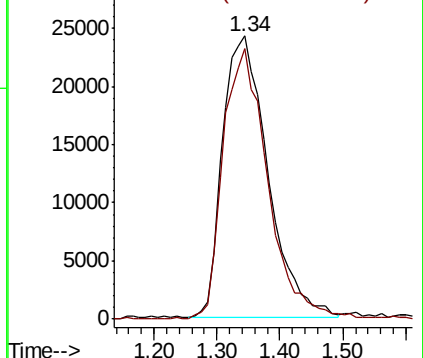
94 100

96 95.8 70.9 106.3



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 57.881 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.01 min

Lab File: VF062091.D

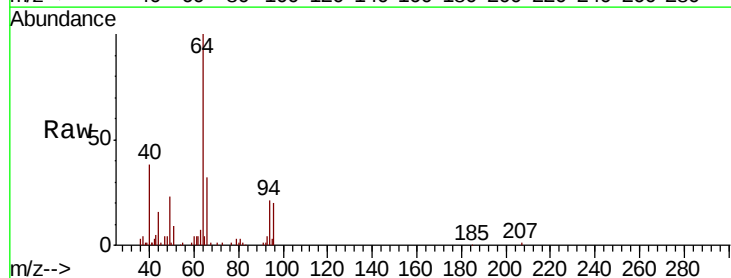
Acq: 22 Mar 2019 19:46

Tgt Ion: 64 Resp: 86359

Ion Ratio Lower Upper

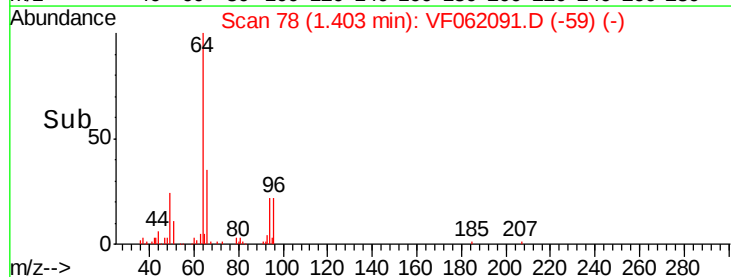
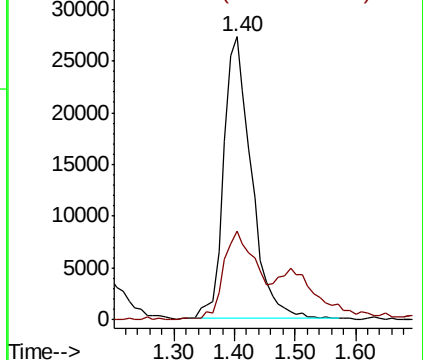
64 100

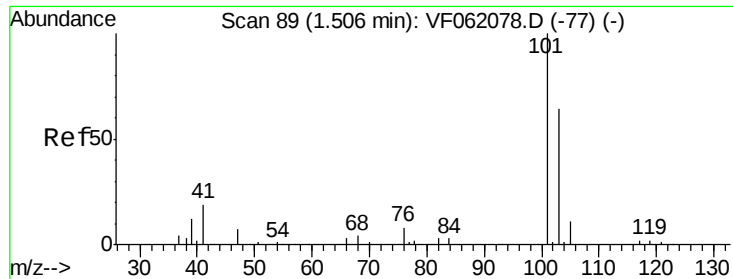
66 31.6 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 58.987 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.00 min

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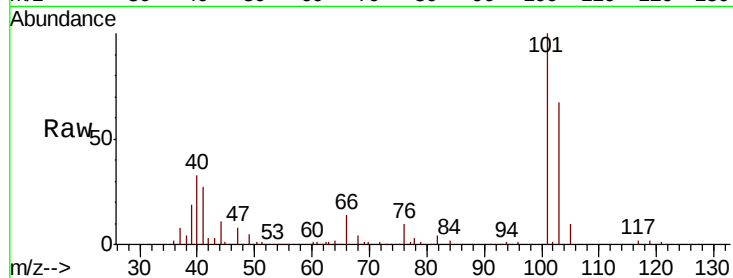
VSTDCCC050EC

Tot Ion:101 Resp: 211148

Ion Ratio Lower Upper

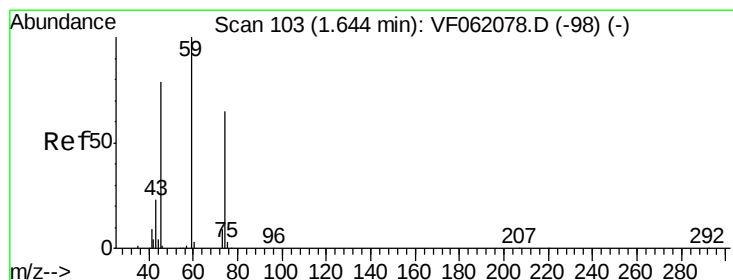
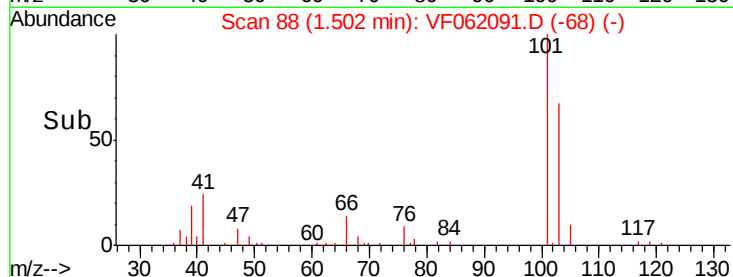
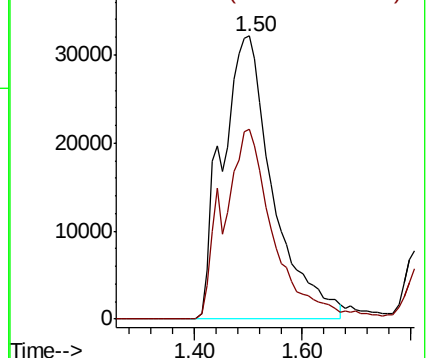
101 100

103 67.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 55.412 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.01 min

Lab File: VF062091.D

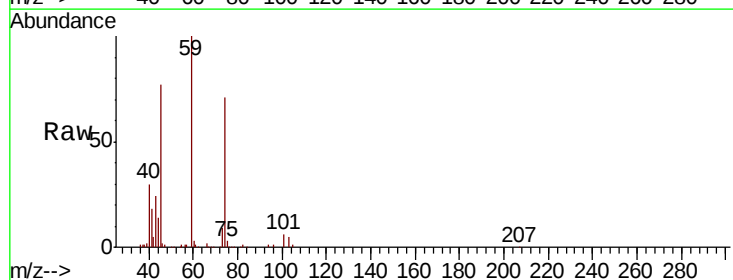
Acq: 22 Mar 2019 19:46

Tgt Ion: 74 Resp: 45309

Ion Ratio Lower Upper

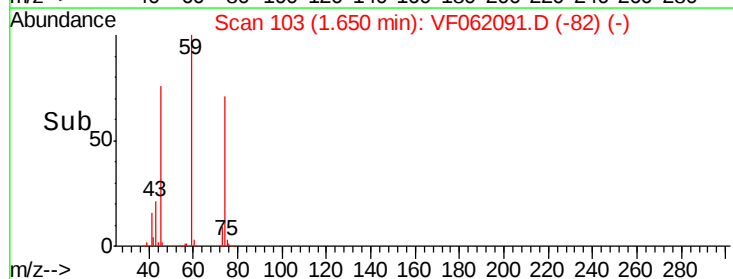
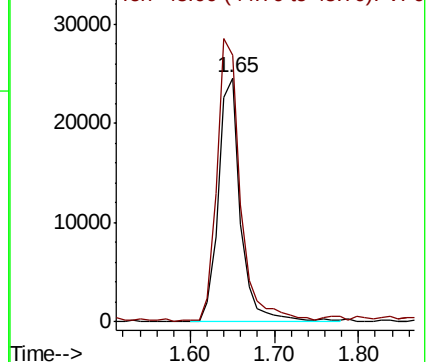
74 100

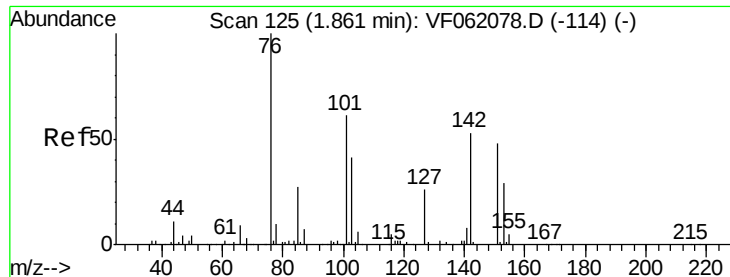
45 109.2 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.127 ug/l

RT: 1.85 min Scan# 123

Delta R.T. -0.01 min

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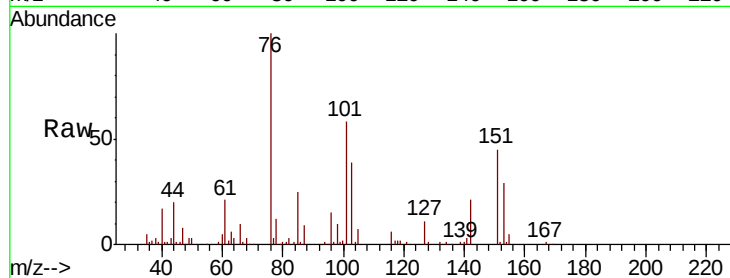
Tot Ion:101 Resp: 141948

Ion Ratio Lower Upper

101 100

85 42.7 34.6 52.0

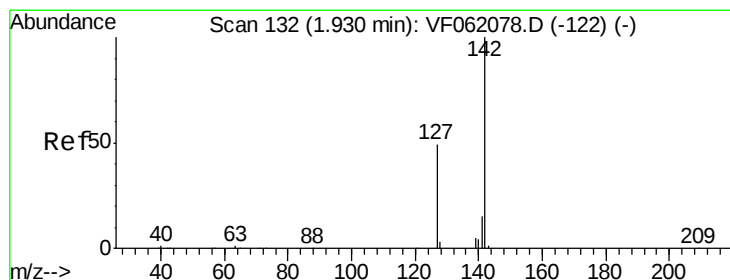
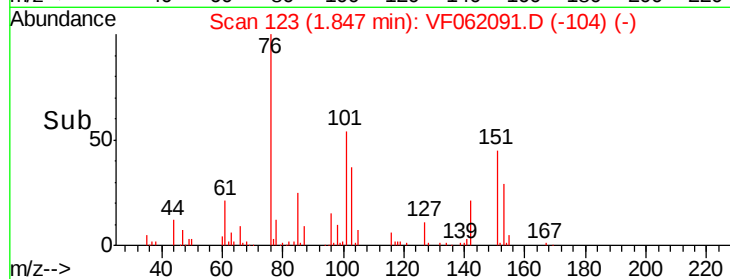
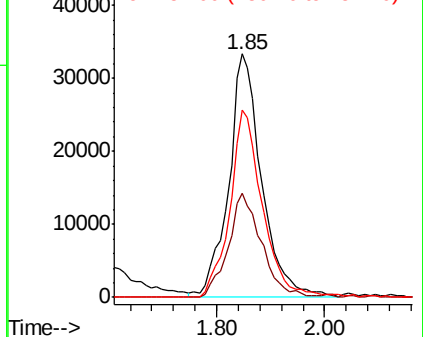
151 76.9 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 43.790 ug/l

RT: 1.93 min Scan# 131

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

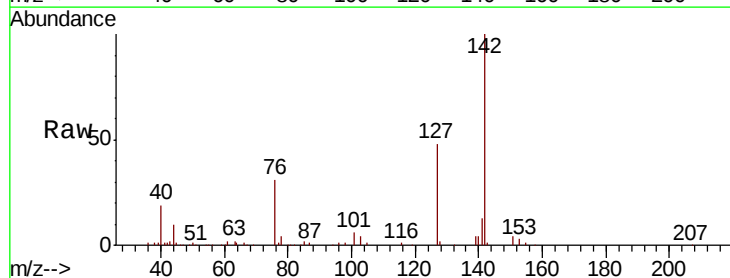
Tgt Ion:142 Resp: 203214

Ion Ratio Lower Upper

142 100

127 48.3 39.1 58.7

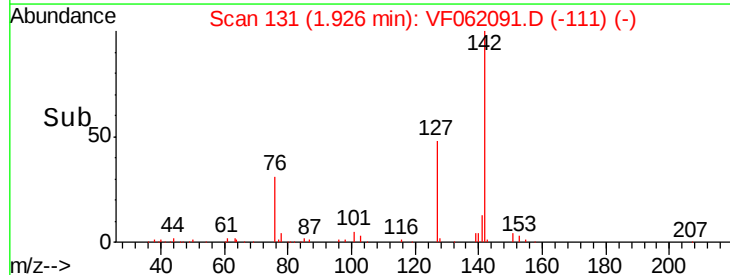
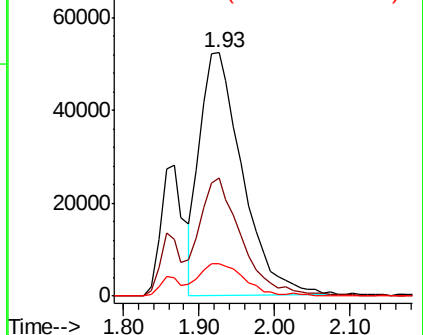
141 13.3 12.2 18.4

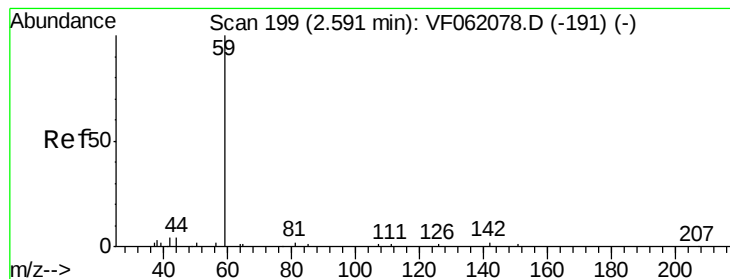


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



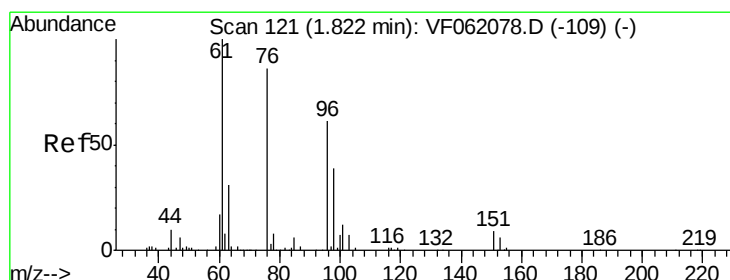
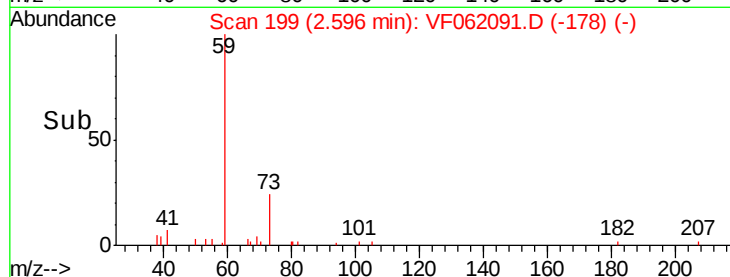
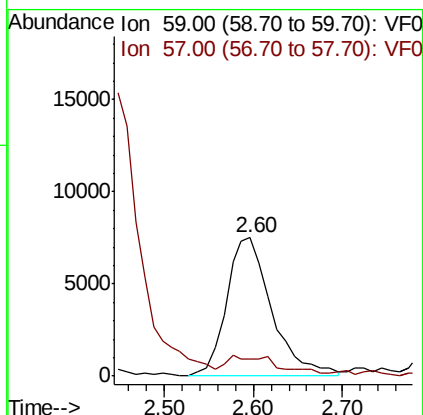
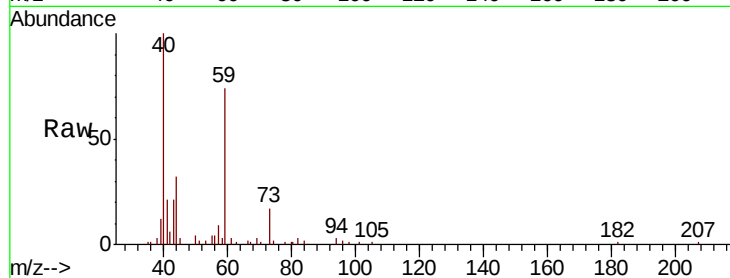


#11

Tert butyl alcohol
Concen: 271.442 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

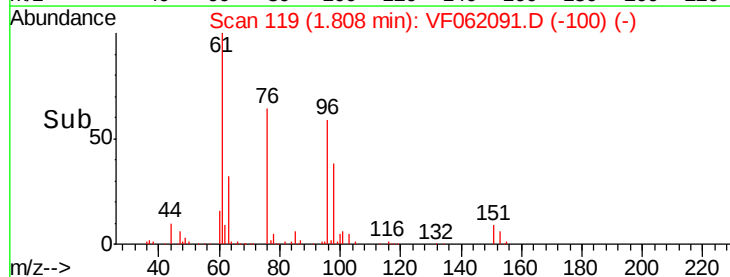
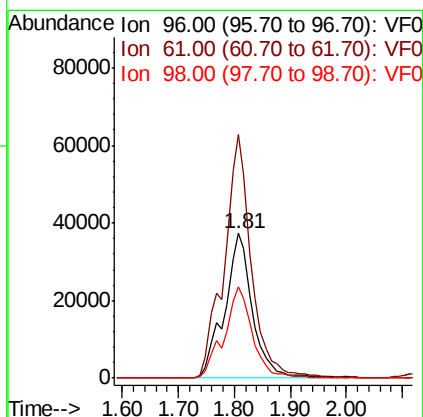
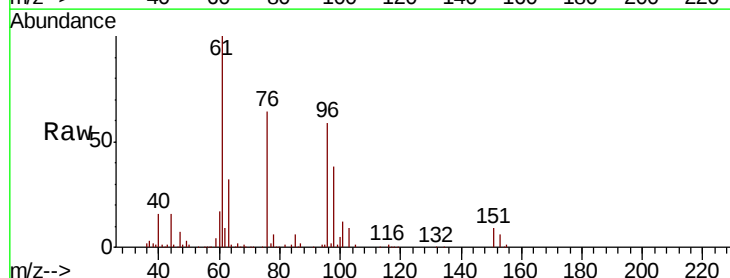
Tot Ion: 59 Resp: 26555
Ion Ratio Lower Upper
59 100
57 12.6 11.0 16.4

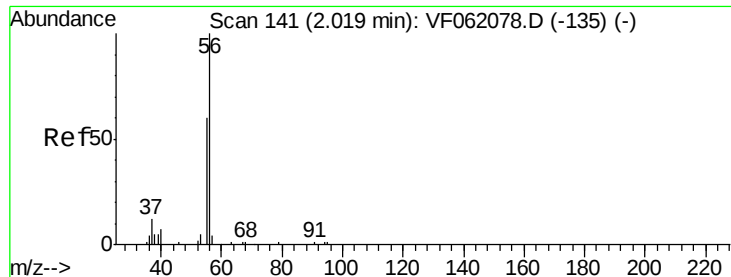


#12

1,1-Dichloroethene
Concen: 56.167 ug/l
RT: 1.81 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 96 Resp: 129419
Ion Ratio Lower Upper
96 100
61 168.4 131.0 196.6
98 63.4 51.5 77.3





#13

Acrolein

Concen: 247.892 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

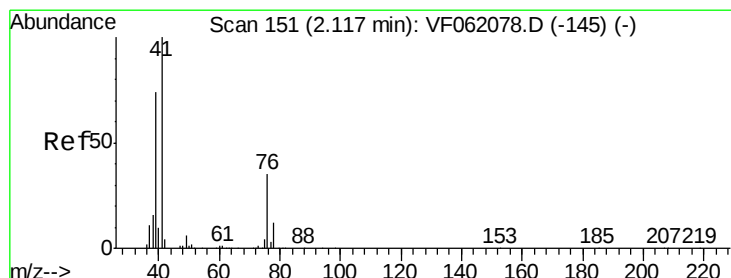
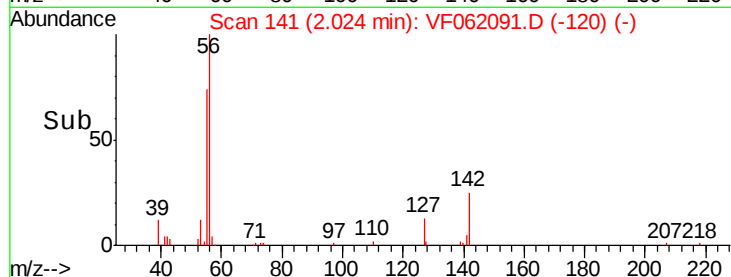
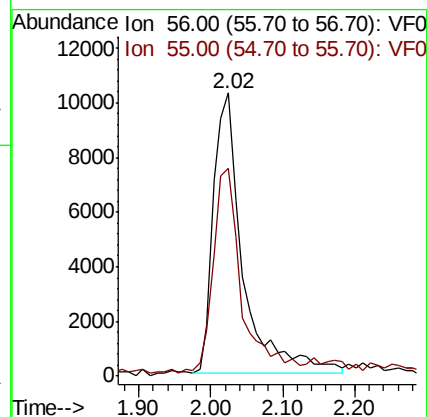
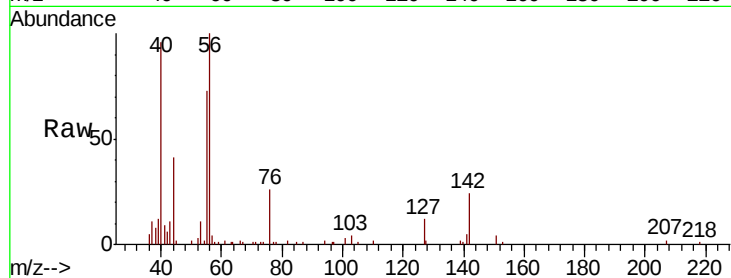
VSTDCCC050EC

Tot Ion: 56 Resp: 29162

Ion Ratio Lower Upper

56 100

55 73.3 49.0 73.4



#14

Allyl chloride

Concen: 62.983 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

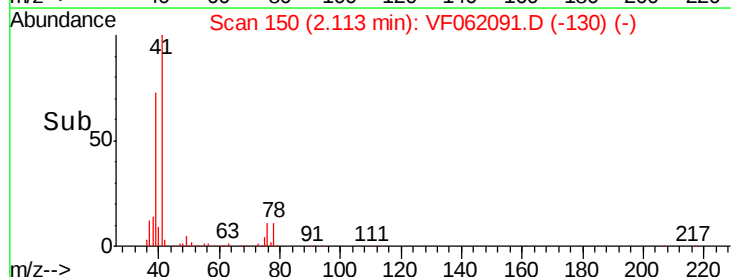
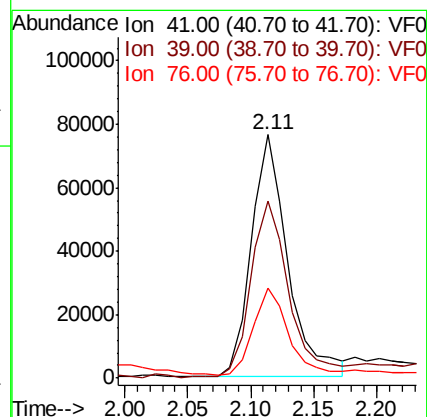
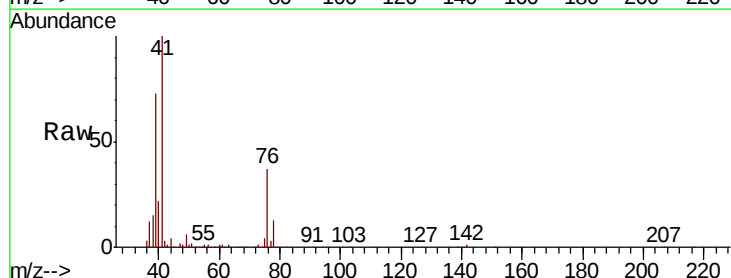
Tgt Ion: 41 Resp: 154941

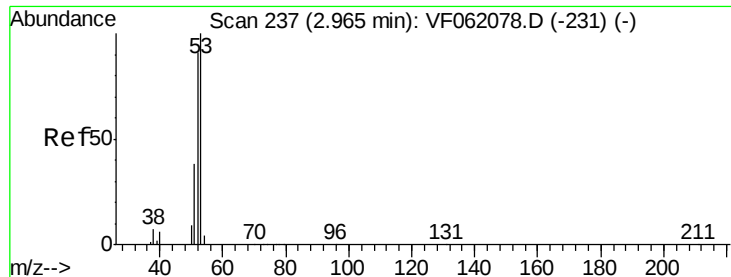
Ion Ratio Lower Upper

41 100

39 72.7 59.8 89.8

76 37.0 30.0 45.0





#15

Acrylonitrile

Concen: 280.846 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

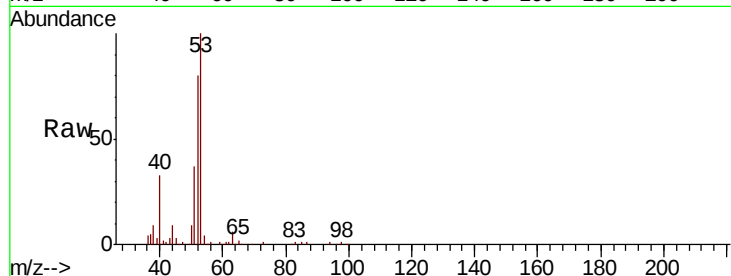
Tot Ion: 53 Resp: 96615

Ion Ratio Lower Upper

53 100

52 80.2 72.3 108.5

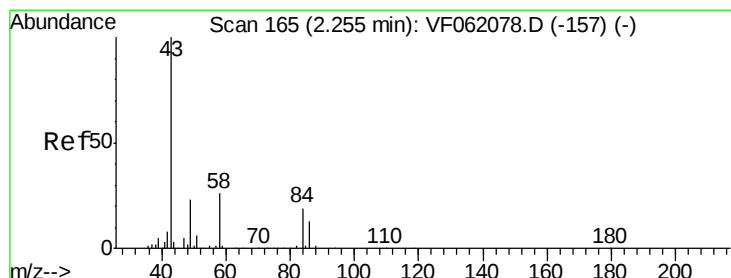
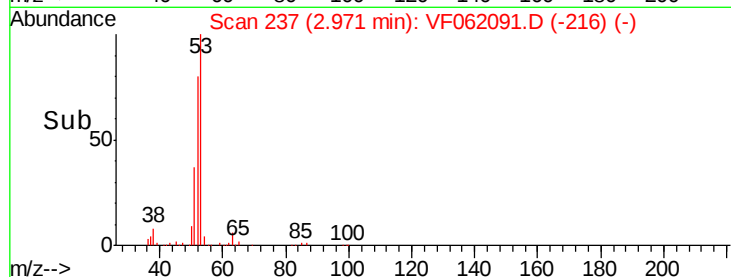
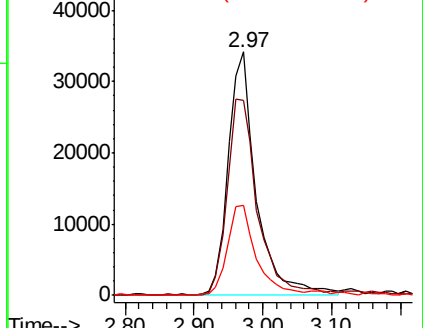
51 37.0 30.4 45.6



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: 267.155 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF062091.D

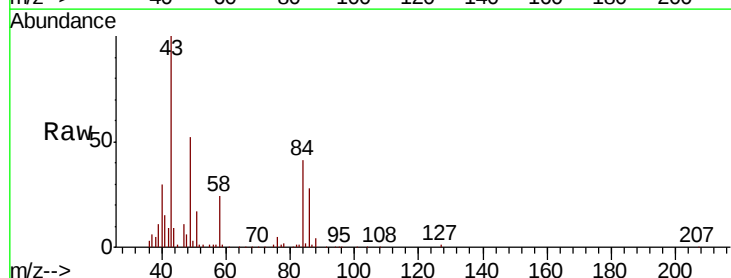
Acq: 22 Mar 2019 19:46

Tgt Ion: 43 Resp: 99972

Ion Ratio Lower Upper

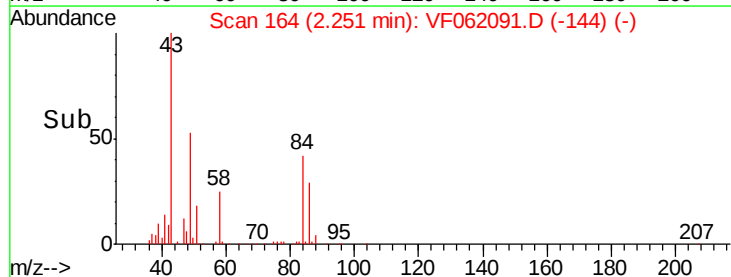
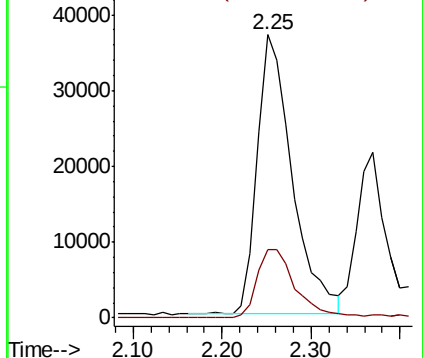
43 100

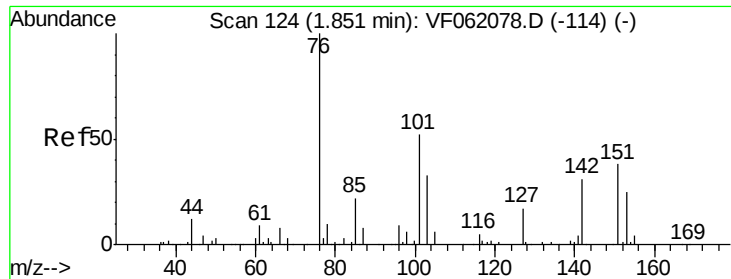
58 24.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

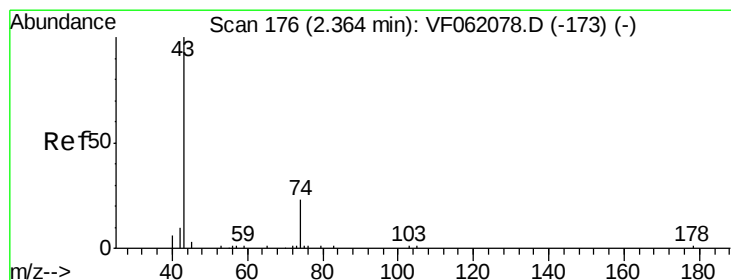
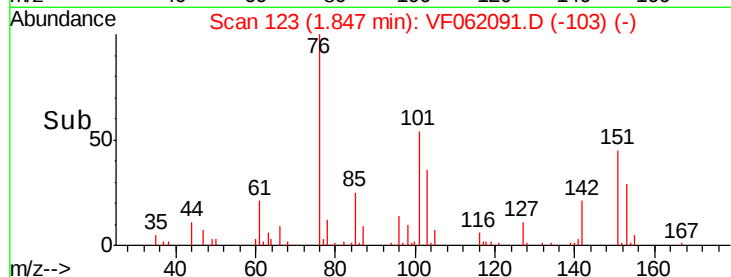
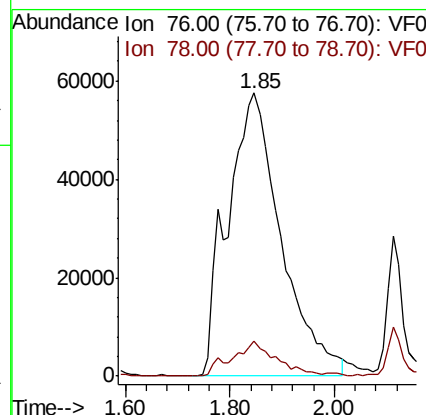
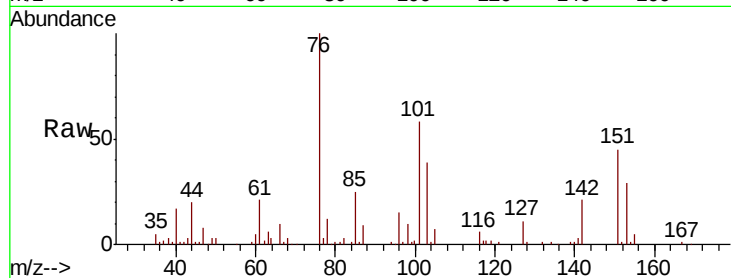




#17
Carbon Disulfide
Concen: 57.638 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

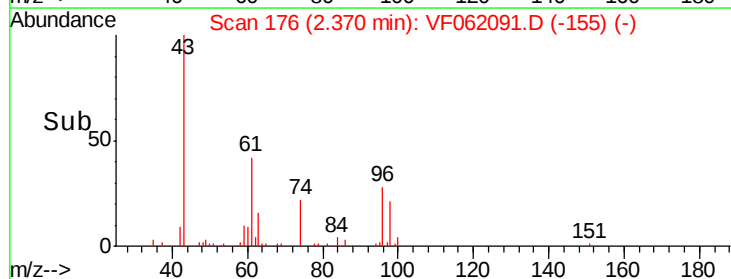
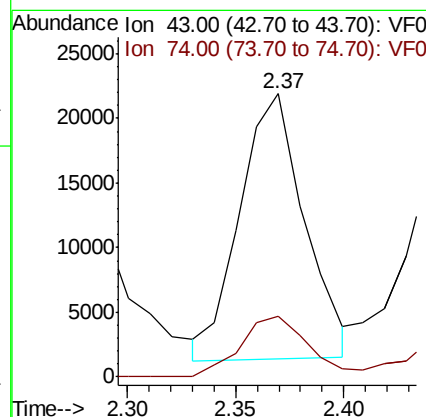
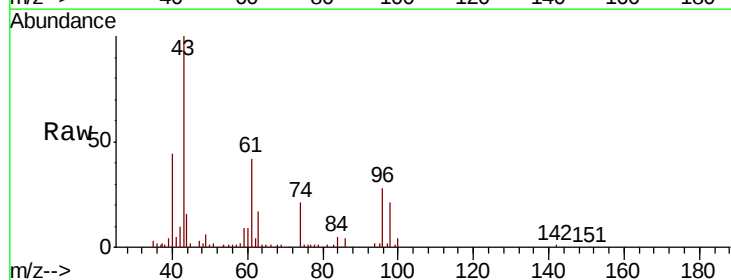
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

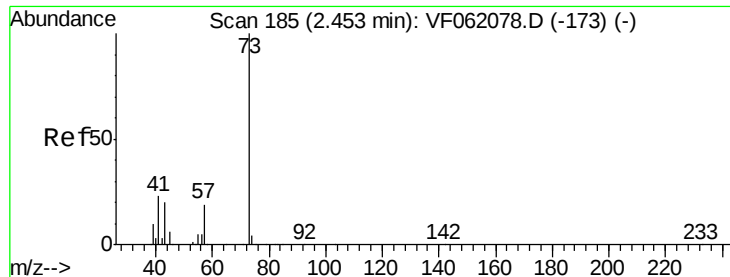
Tot Ion: 76 Resp: 404982
Ion Ratio Lower Upper
76 100
78 12.2 7.9 11.9#



#18
Methyl Acetate
Concen: 47.915 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 43 Resp: 42771
Ion Ratio Lower Upper
43 100
74 21.5 16.3 24.5

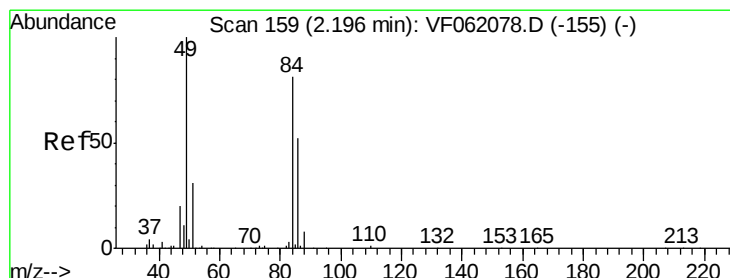
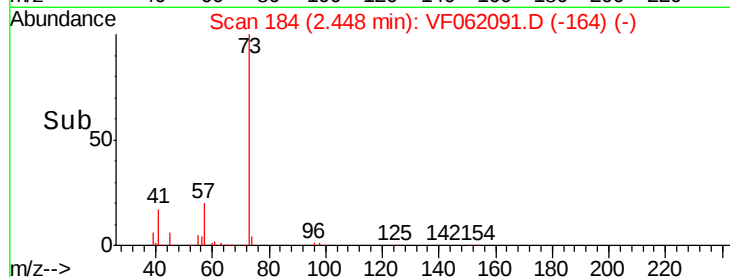
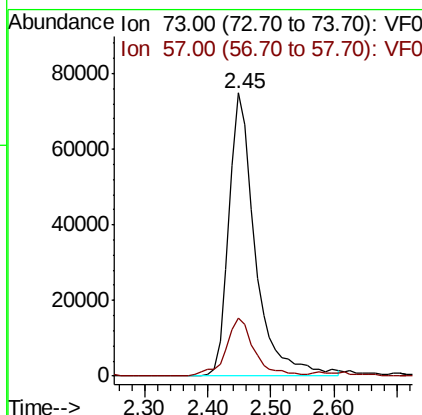
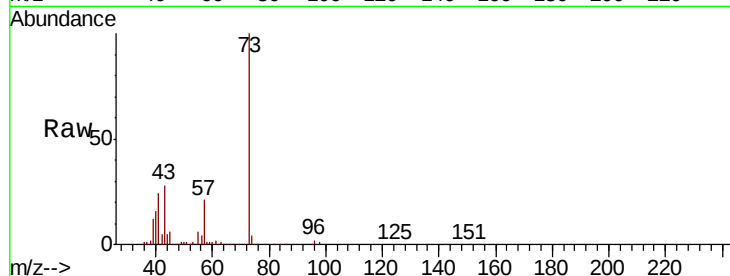




#19
Methvl tert-butvl Ether
Concen: 59.514 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

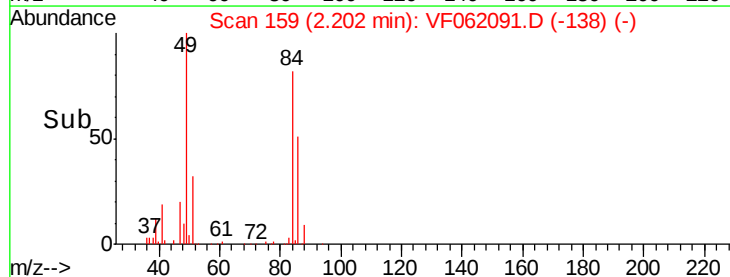
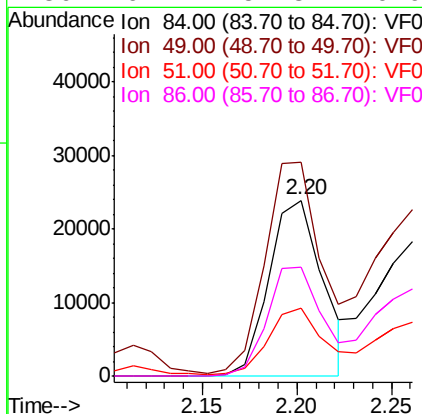
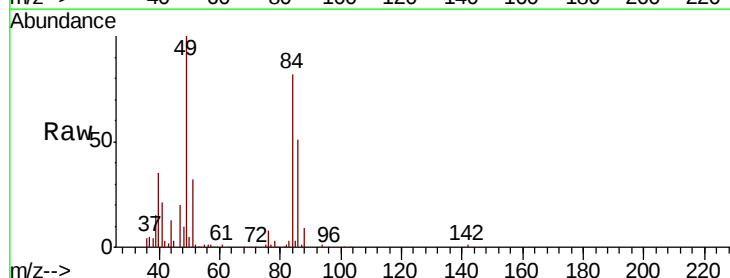
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

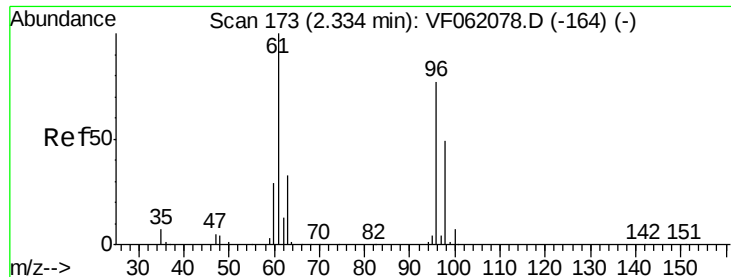
Tot Ion: 73 Resp: 216734
Ion Ratio Lower Upper
73 100
57 20.5 15.1 22.7



#20
Methylene Chloride
Concen: 19.116 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 84 Resp: 47474
Ion Ratio Lower Upper
84 100
49 121.3 100.4 150.6
51 38.7 31.0 46.6
86 61.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 60.468 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

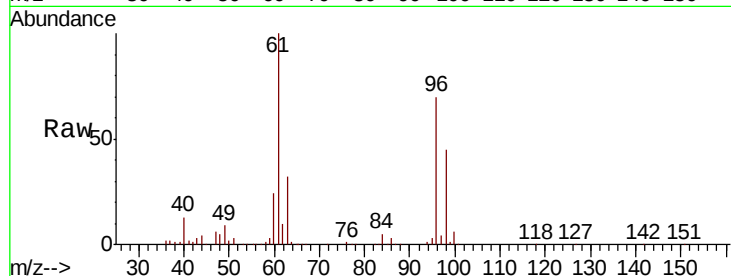
Tot Ion: 96 Resp: 134056

Ion Ratio Lower Upper

96 100

61 142.4 104.5 156.7

98 63.9 51.2 76.8

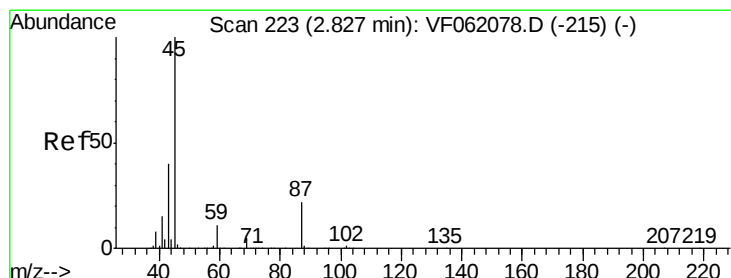
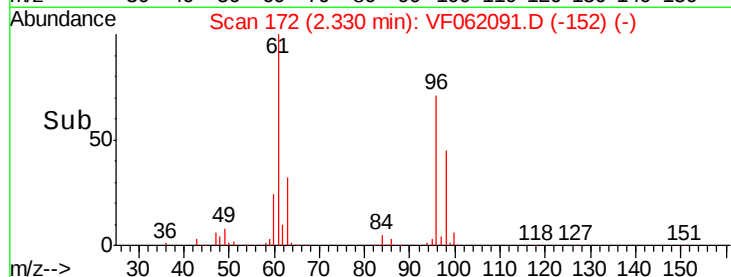
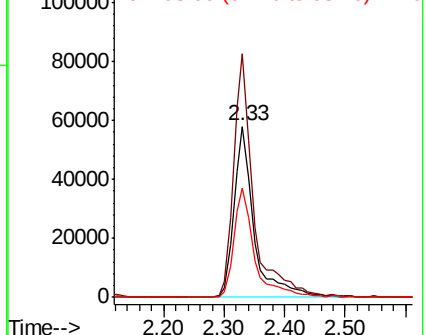


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 58.876 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion: 45 Resp: 379742

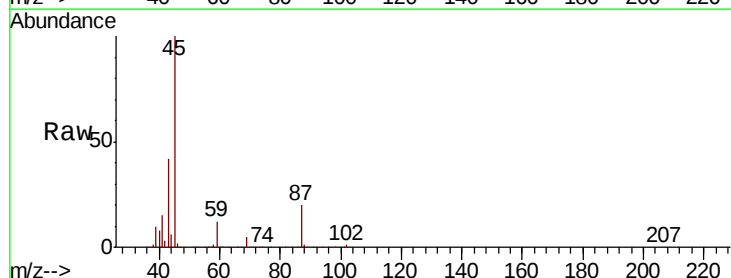
Ion Ratio Lower Upper

45 100

43 42.2 32.5 48.7

87 20.5 17.4 26.2

59 11.7 8.6 12.8



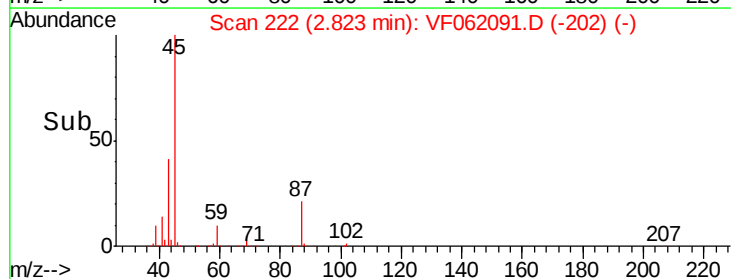
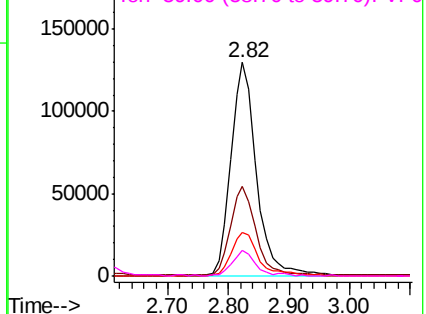
Abundance

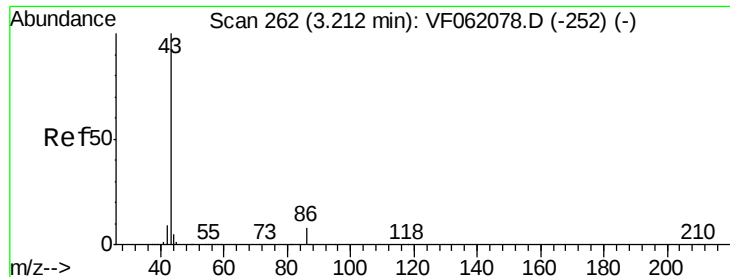
Ion 45.00 (44.70 to 45.70): VF0

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: 299.035 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

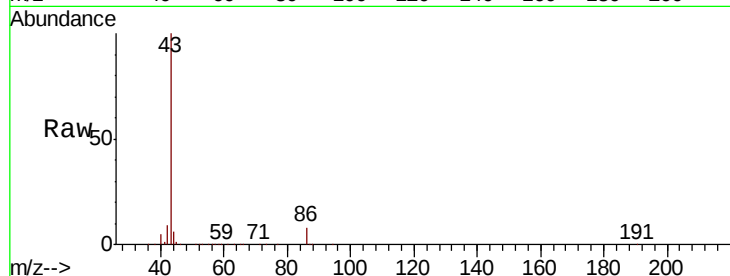
VSTDCCC050EC

Tot Ion: 43 Resp: 789682

Ion Ratio Lower Upper

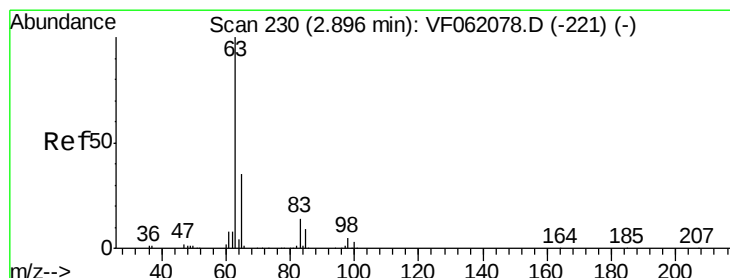
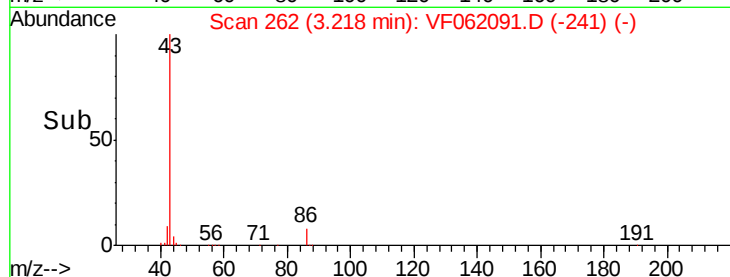
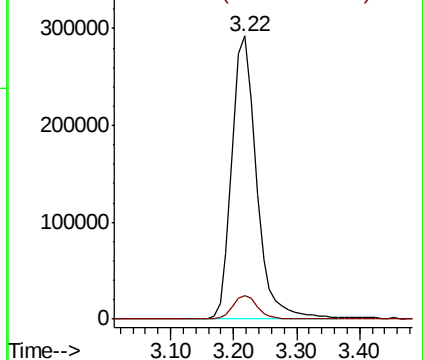
43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 58.843 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

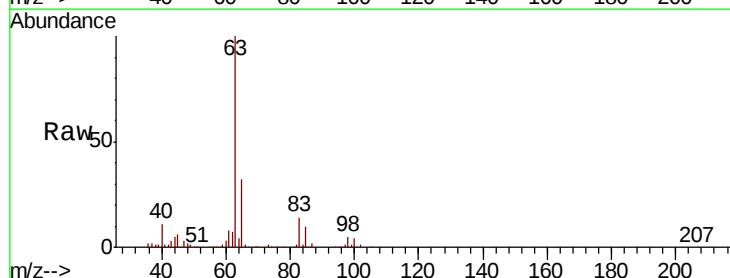
Tgt Ion: 63 Resp: 227597

Ion Ratio Lower Upper

63 100

98 5.1 2.7 8.1

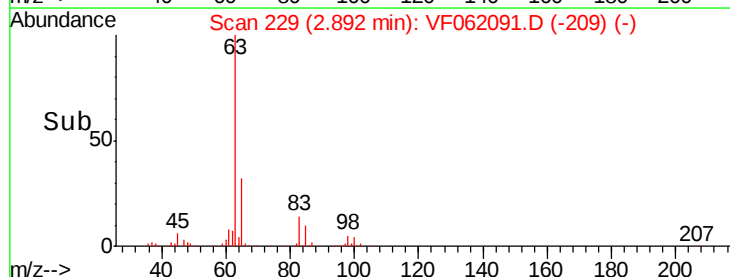
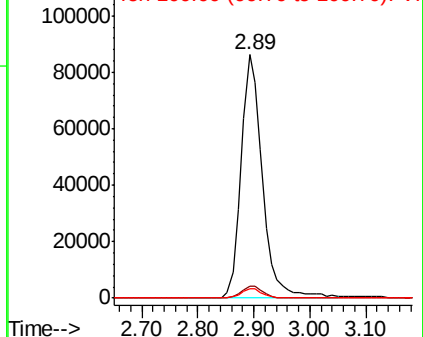
100 4.0 1.7 5.1

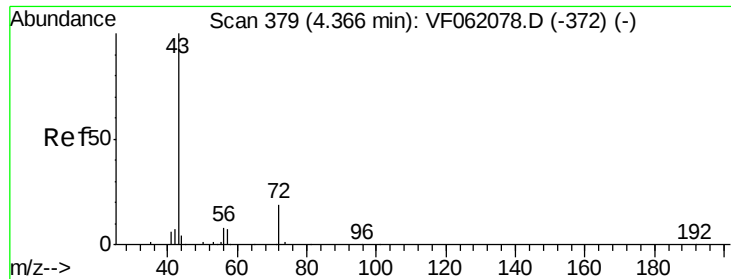


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 281.485 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

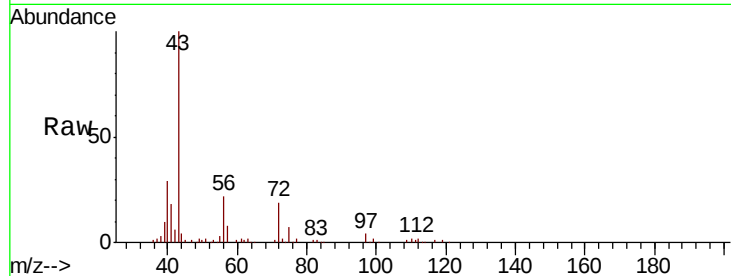
VSTDCCC050EC

Tot Ion: 43 Resp: 219899

Ion Ratio Lower Upper

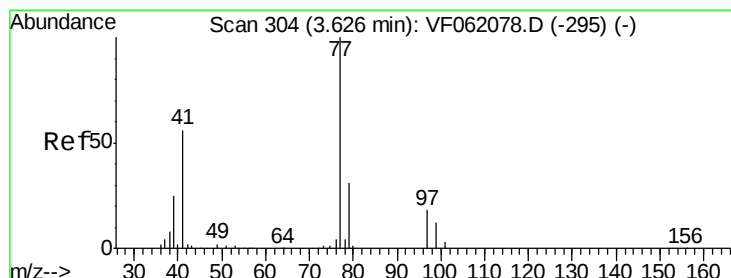
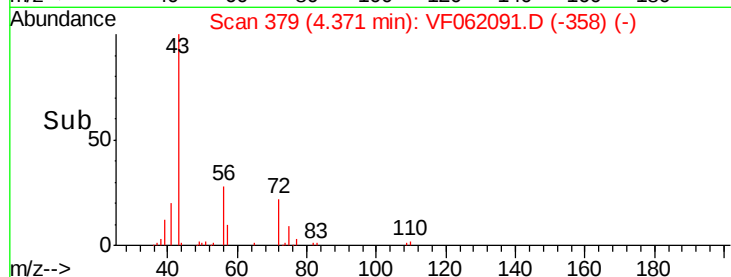
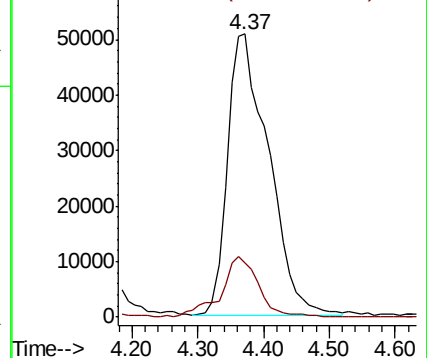
43 100

72 19.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 57.082 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF062091.D

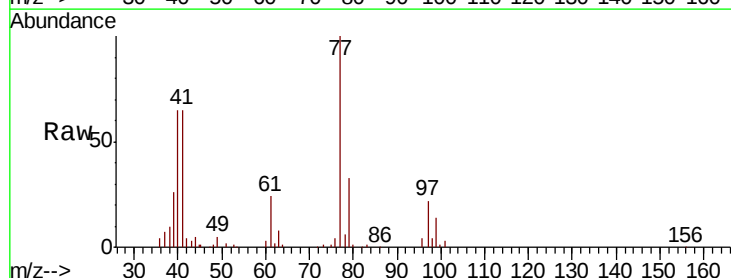
Acq: 22 Mar 2019 19:46

Tgt Ion: 77 Resp: 89519

Ion Ratio Lower Upper

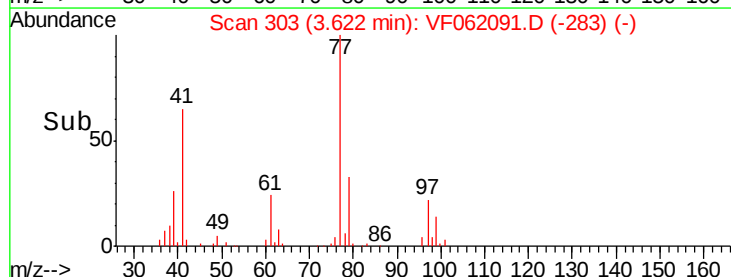
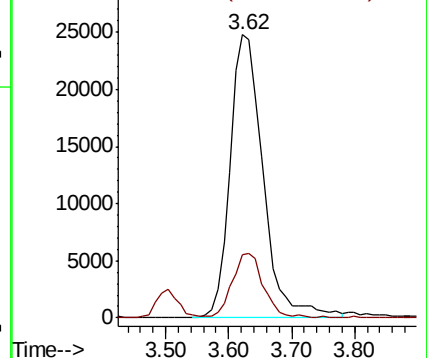
77 100

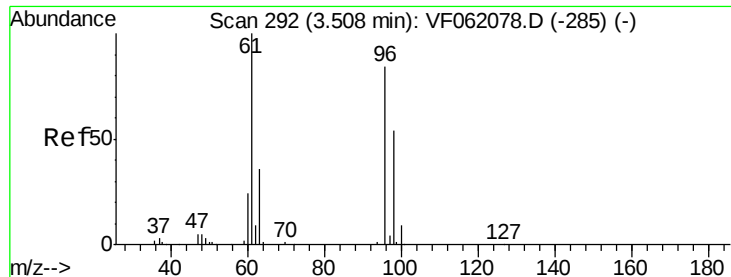
97 22.4 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



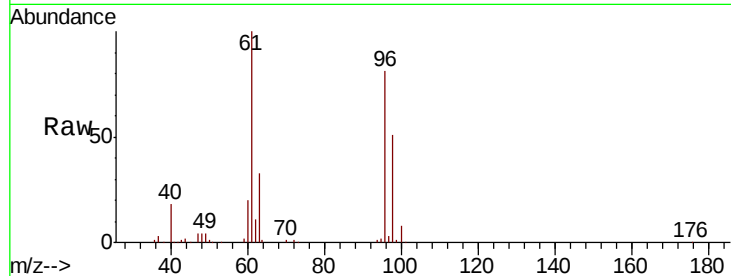


#27

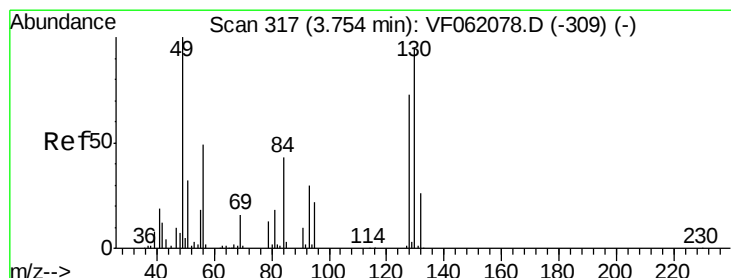
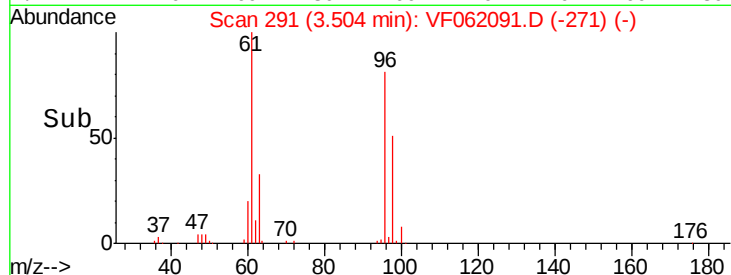
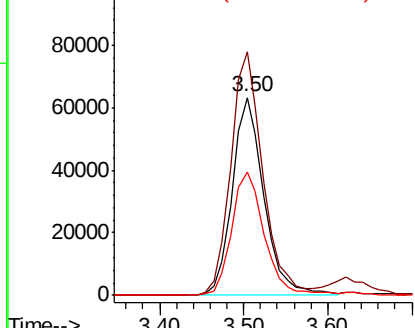
cis-1,2-Dichloroethene
 Concen: 56.499 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.0	0.0	239.0
98	62.2	0.0	128.2



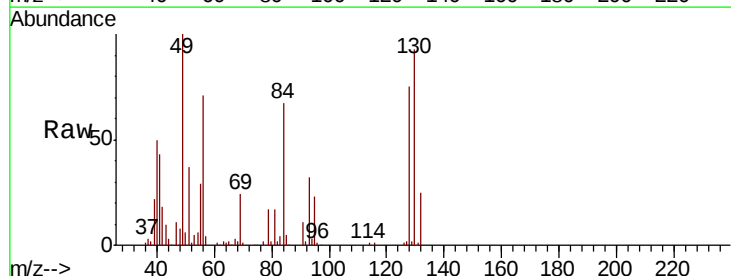
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



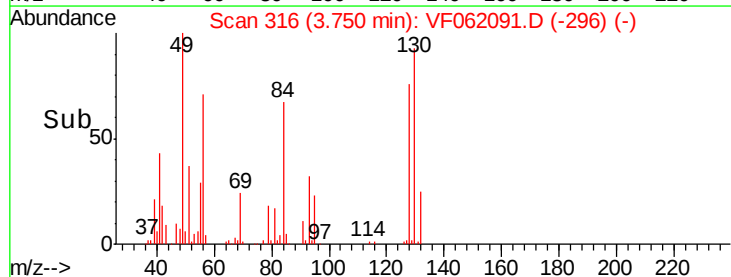
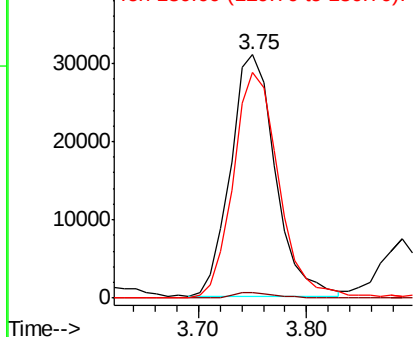
#28

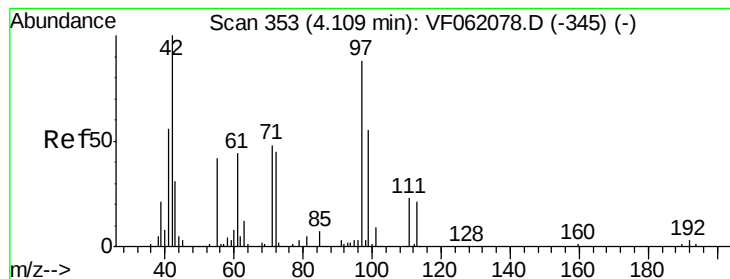
Bromochloromethane
 Concen: 56.413 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	92.8	75.5	113.3



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 278.435 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

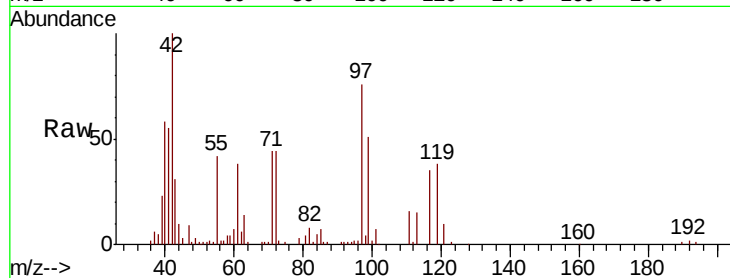
Tot Ion: 42 Resp: 94573

Ion Ratio Lower Upper

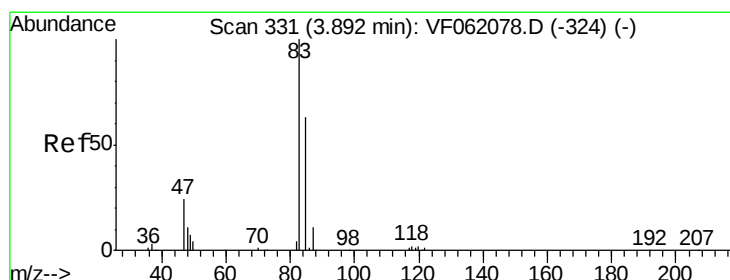
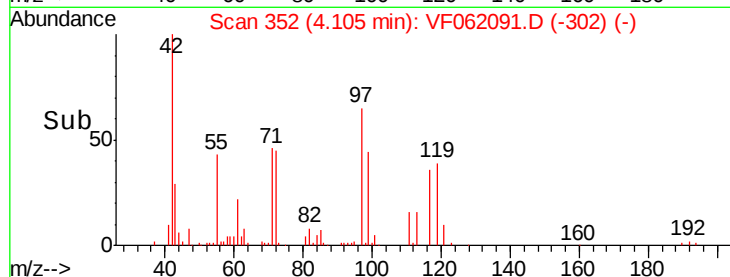
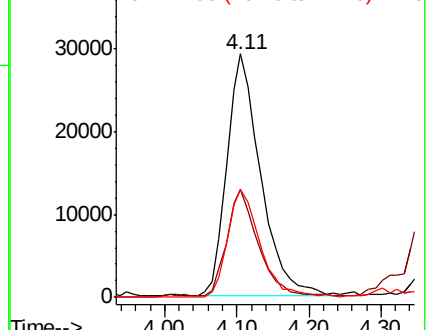
42 100

72 42.0 33.3 49.9

71 43.7 35.0 52.4



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: 58.164 ug/l

RT: 3.89 min Scan# 330

Delta R.T. -0.00 min

Lab File: VF062091.D

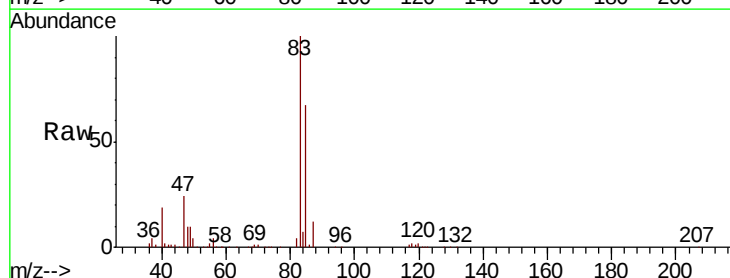
Acq: 22 Mar 2019 19:46

Tgt Ion: 83 Resp: 237753

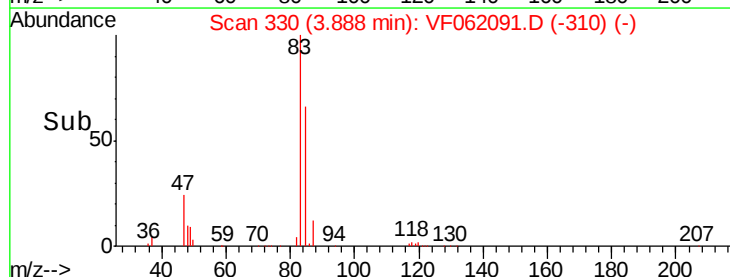
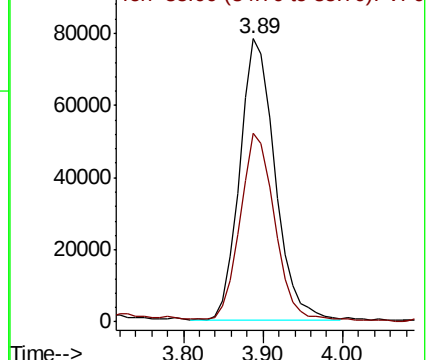
Ion Ratio Lower Upper

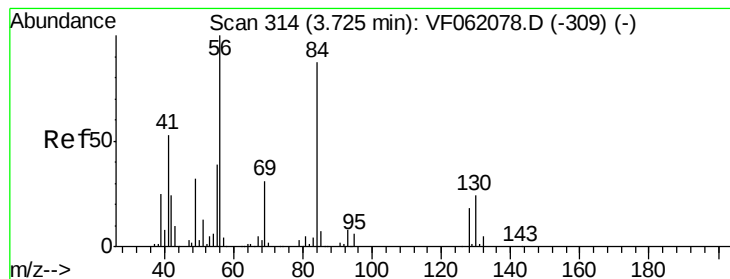
83 100

85 66.8 51.5 77.3



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





#31

Cyclohexane

Concen: 55.805 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

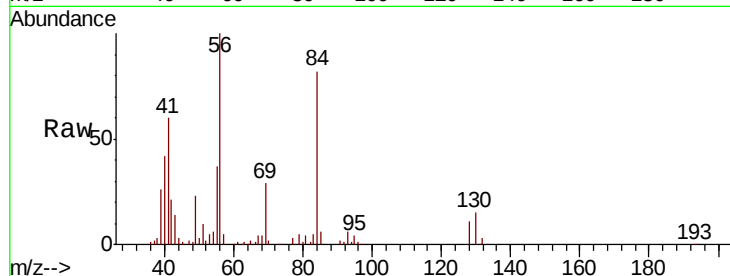
Tot Ion: 56 Resp: 225434

Ion Ratio Lower Upper

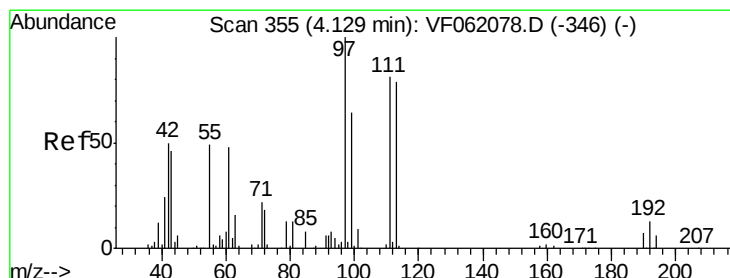
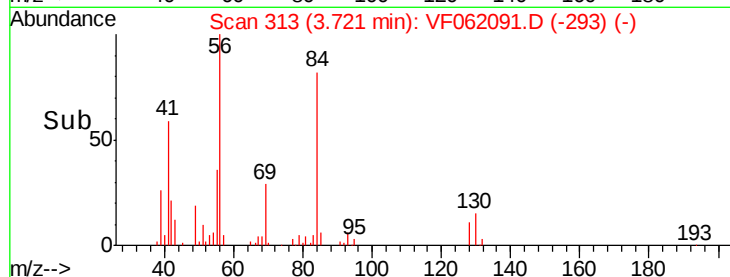
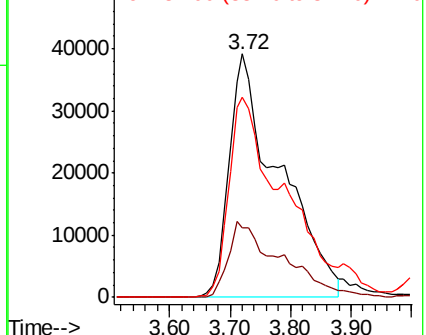
56 100

69 28.7 25.9 38.9

84 82.3 71.1 106.7



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: 66.922 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

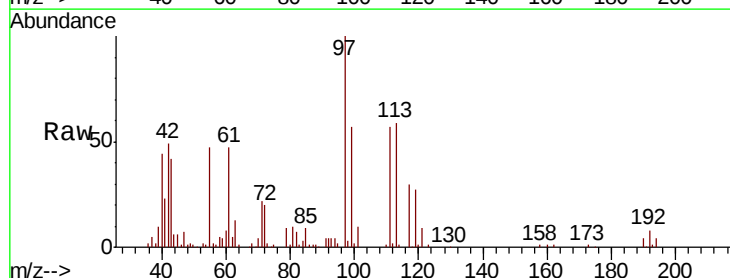
Tgt Ion: 97 Resp: 166405

Ion Ratio Lower Upper

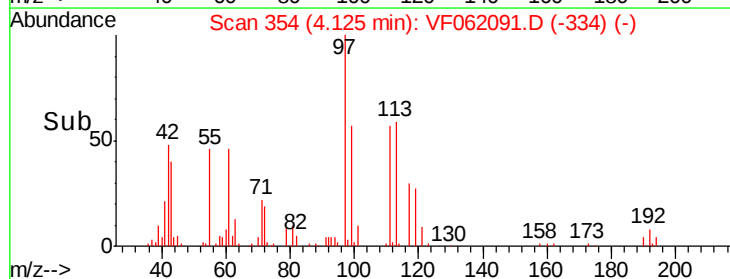
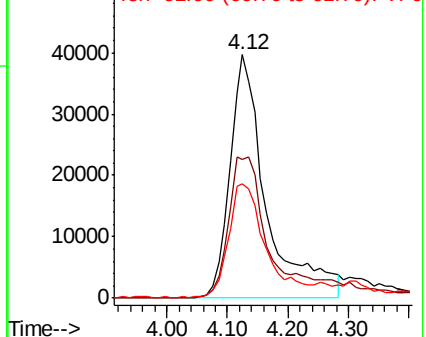
97 100

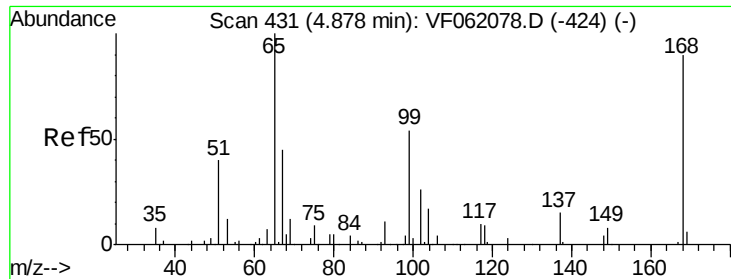
99 57.0 51.3 76.9

61 47.0 39.0 58.6



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

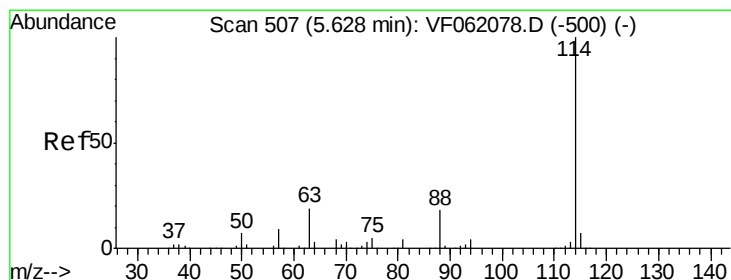
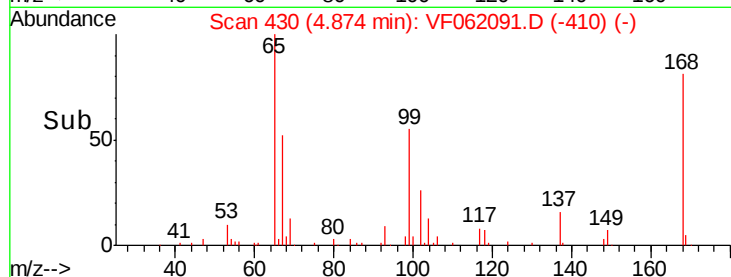
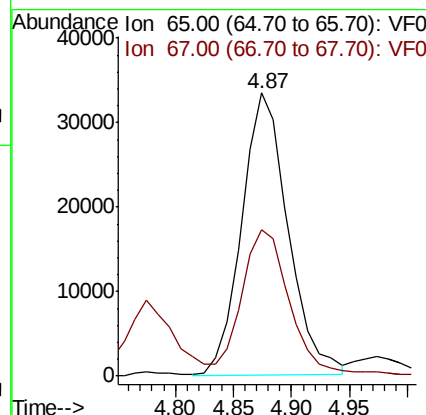
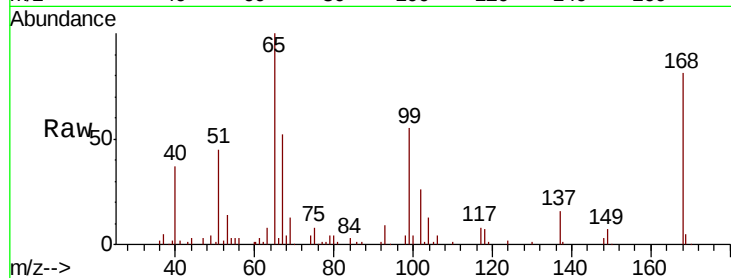




#33
 1,2-Dichloroethane-d4
 Concen: 51.926 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

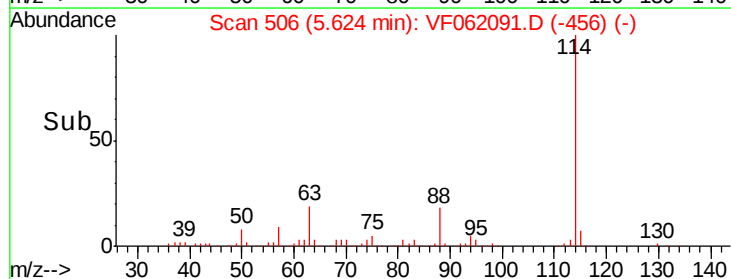
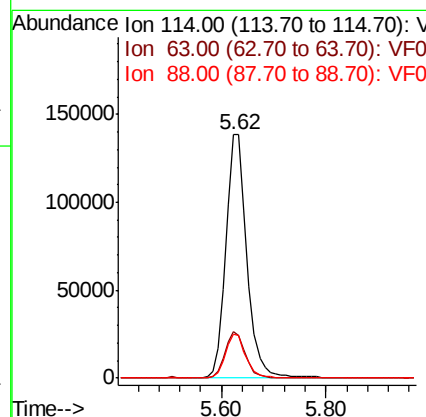
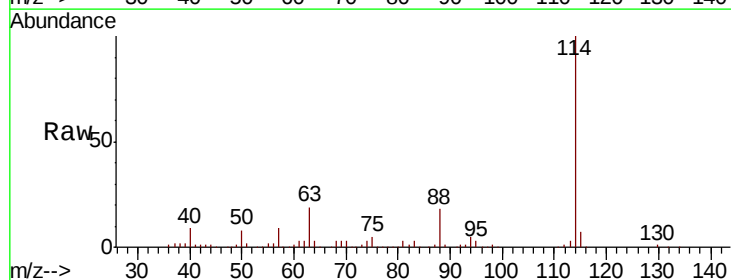
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

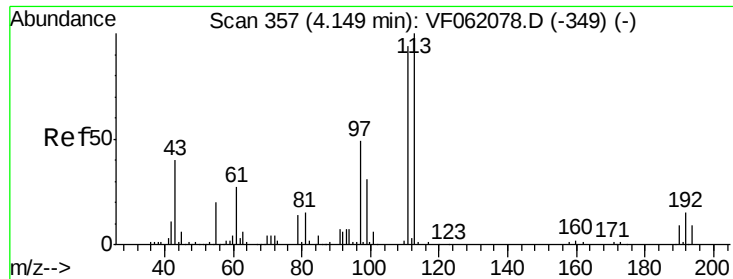
Tot Ion: 65 Resp: 92324
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion: 114 Resp: 386645
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 18.3 0.0 36.4

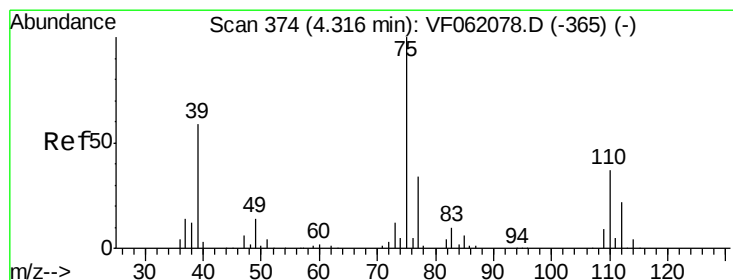
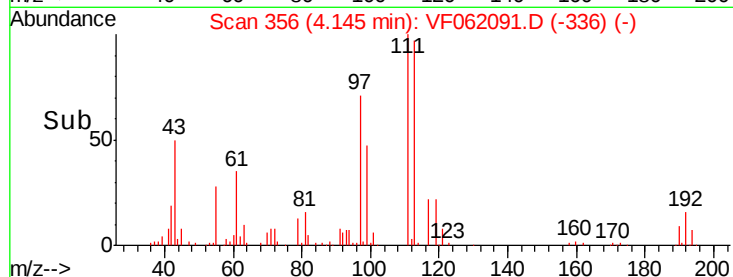
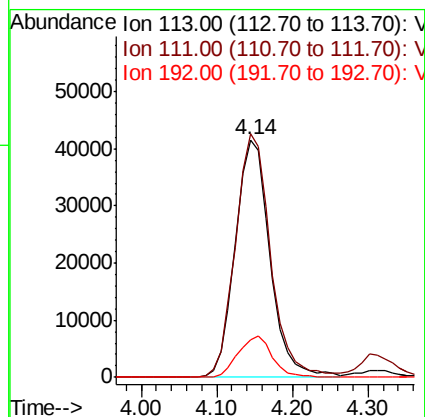
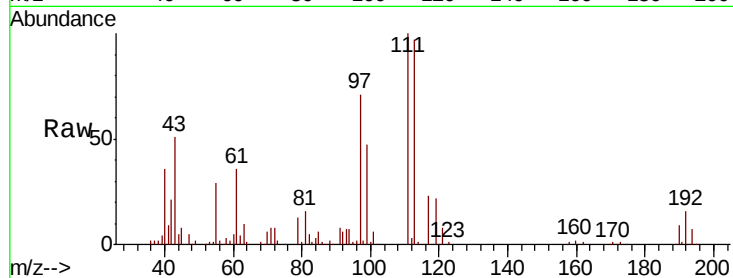




#35
Dibromofluoromethane
Concen: 50.527 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

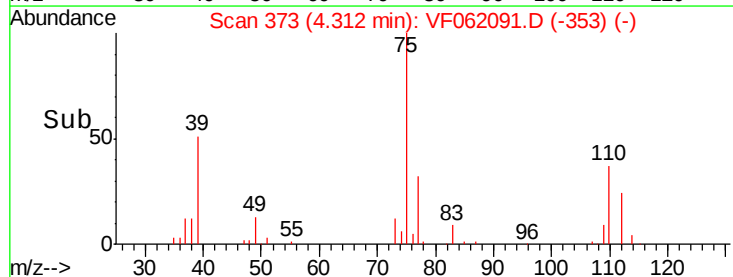
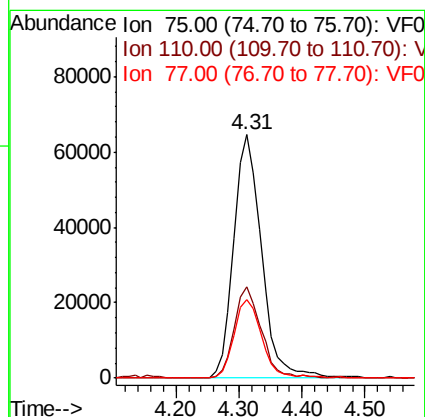
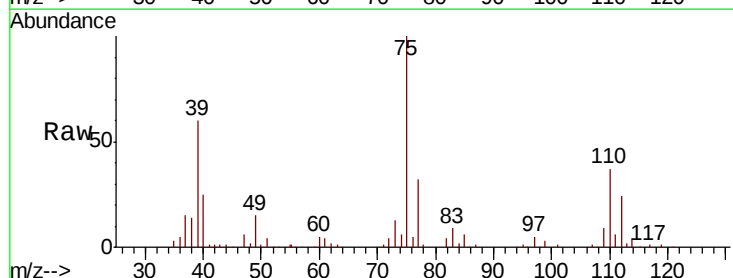
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

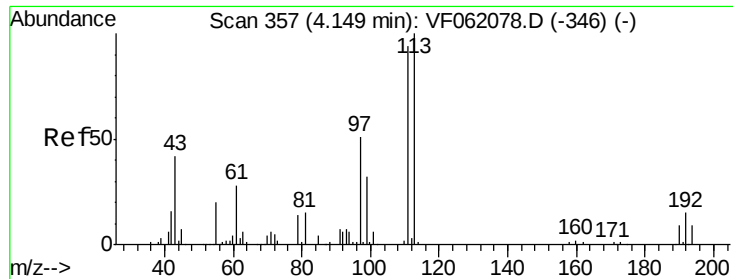
Tot Ion:113 Resp: 132153
Ion Ratio Lower Upper
113 100
111 102.6 75.4 113.0
192 16.0 12.3 18.5



#36
1,1-Dichloropropene
Concen: 53.621 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 75 Resp: 197475
Ion Ratio Lower Upper
75 100
110 37.3 18.5 55.5
77 32.0 27.4 41.0

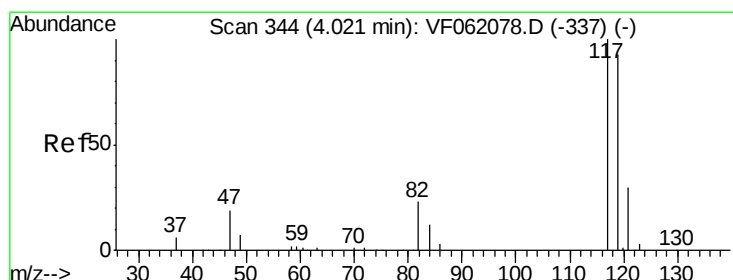
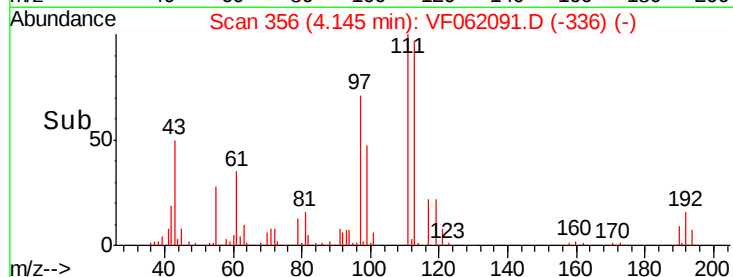
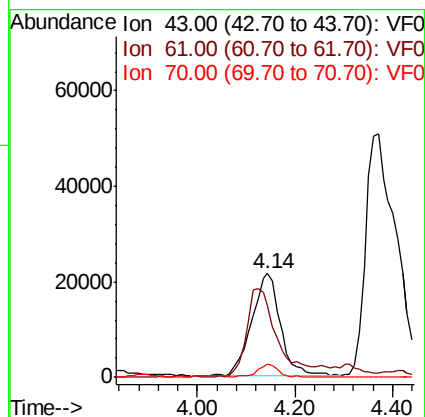
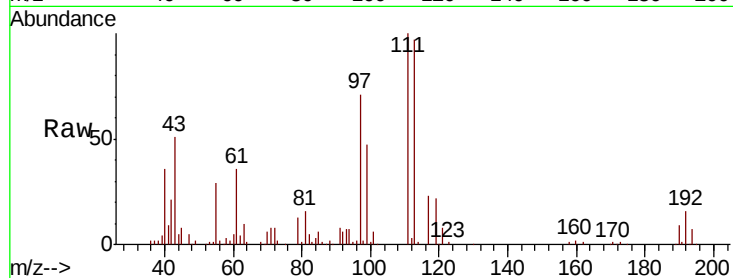




#37
Ethyl Acetate
Concen: 55.215 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

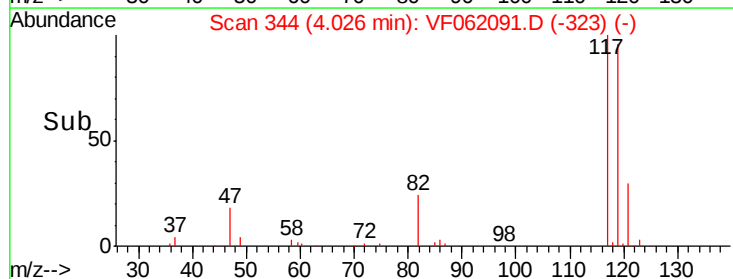
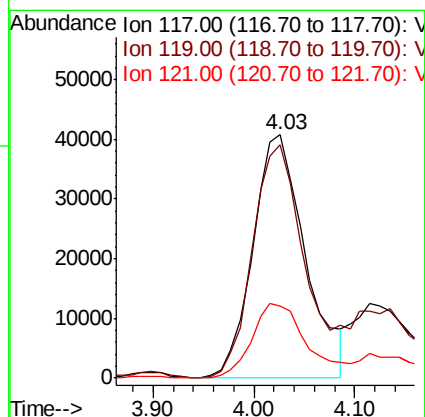
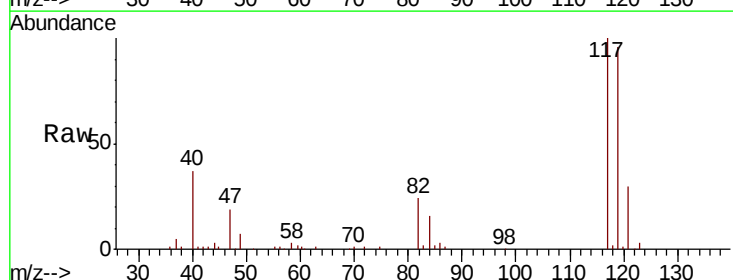
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

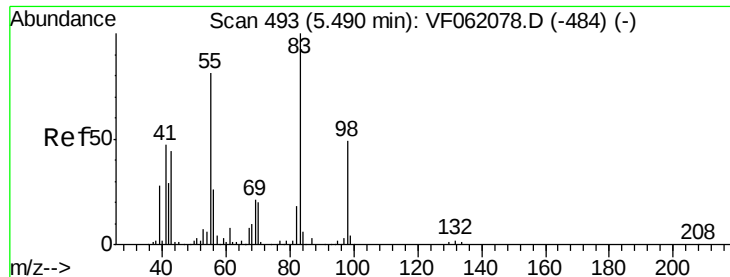
Tot Ion: 43 Resp: 88867
Ion Ratio Lower Upper
43 100
61 69.9 53.6 80.4
70 12.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 58.489 ug/l
RT: 4.03 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 117 Resp: 146811
Ion Ratio Lower Upper
117 100
119 95.7 74.7 112.1
121 29.8 23.6 35.4

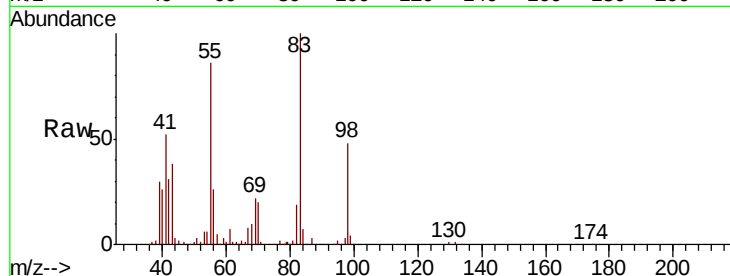




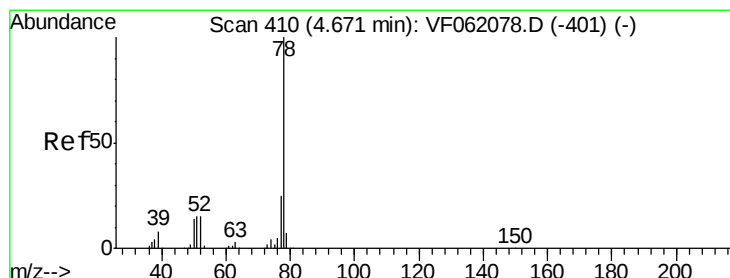
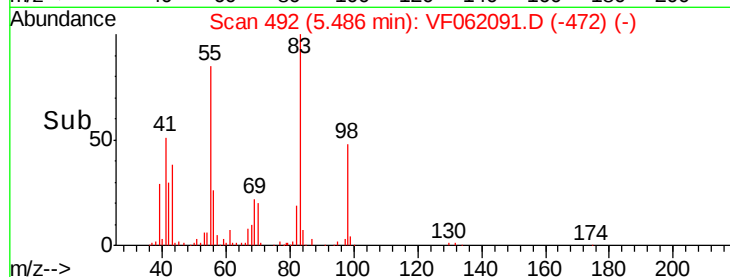
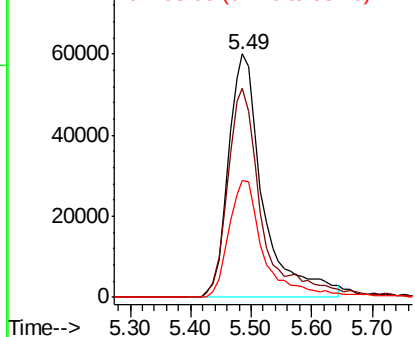
#39
Methvlcvclohexane
Concen: 55.663 ug/l
RT: 5.49 min Scan# 492
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 237920
Ion Ratio Lower Upper
83 100
55 85.6 64.5 96.7
98 48.2 39.1 58.7

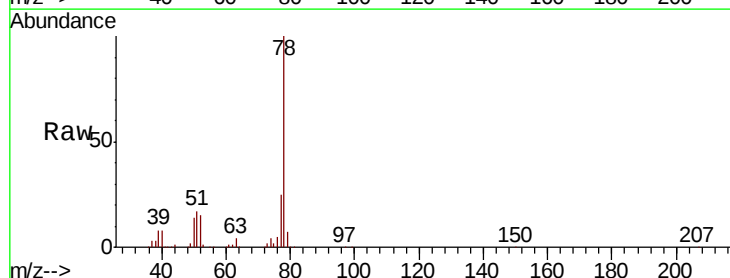


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

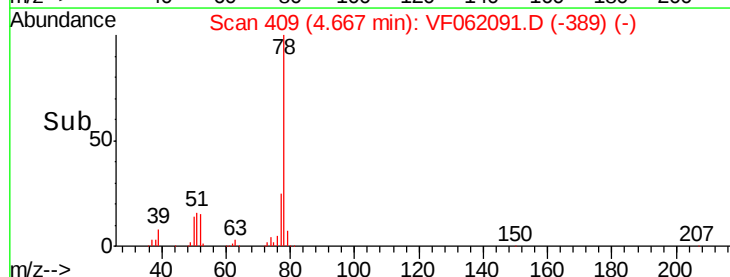
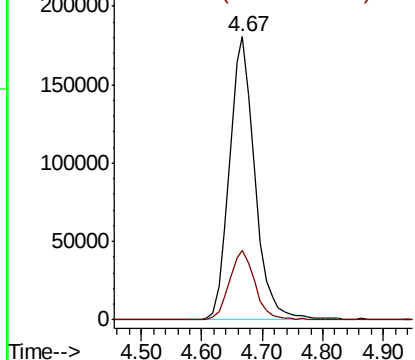


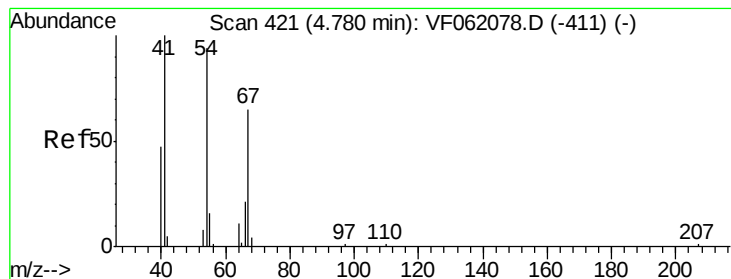
#40
Benzene
Concen: 53.441 ug/l
RT: 4.67 min Scan# 409
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 78 Resp: 527617
Ion Ratio Lower Upper
78 100
77 24.8 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 53.758 ug/l

RT: 4.78 min Scan# 420

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 45780

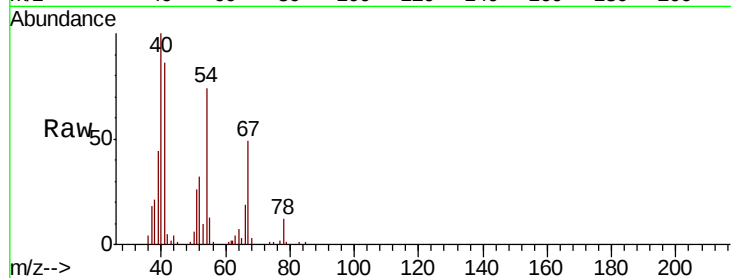
Ion Ratio Lower Upper

41 100

39 51.5 43.5 65.3

67 56.9 51.6 77.4

52 37.2 36.5 54.7



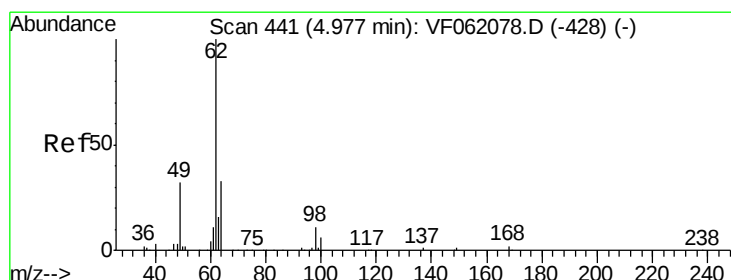
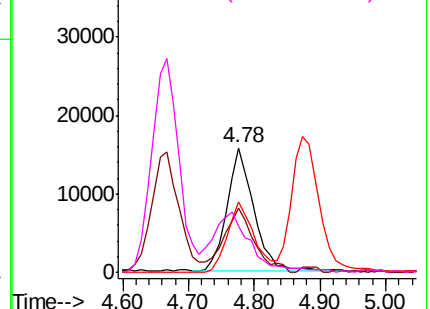
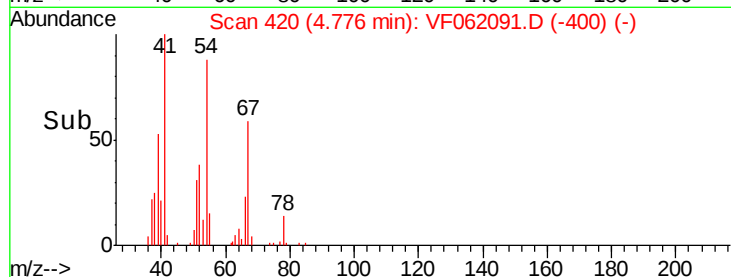
Abundance

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: 54.334 ug/l

RT: 4.97 min Scan# 440

Delta R.T. -0.00 min

Lab File: VF062091.D

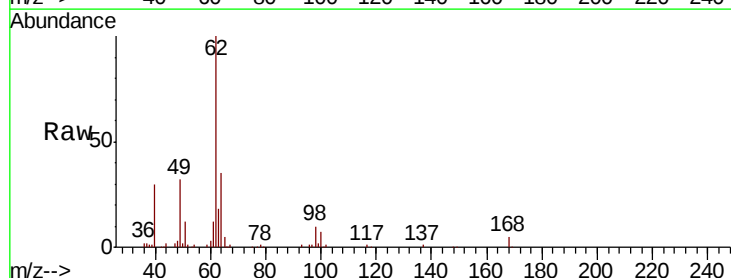
Acq: 22 Mar 2019 19:46

Tgt Ion: 62 Resp: 126852

Ion Ratio Lower Upper

62 100

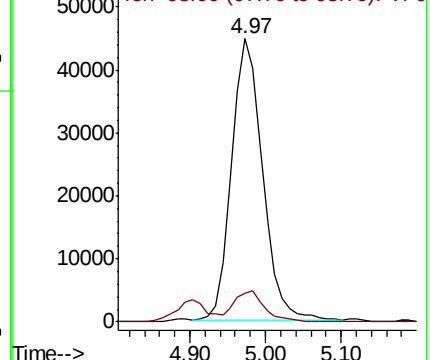
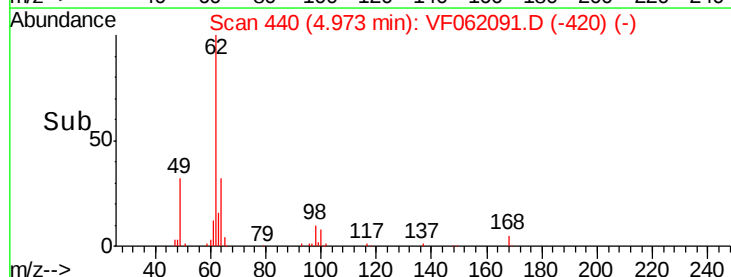
98 10.1 0.0 23.2

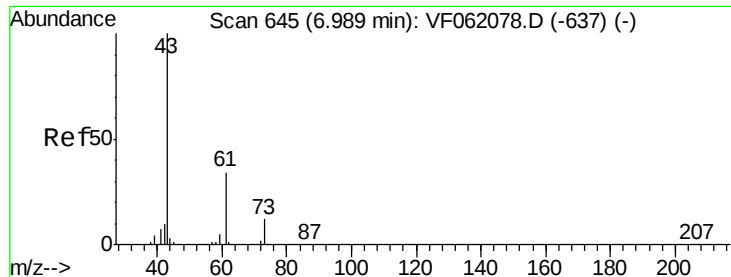


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 53.167 ug/l

RT: 6.98 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

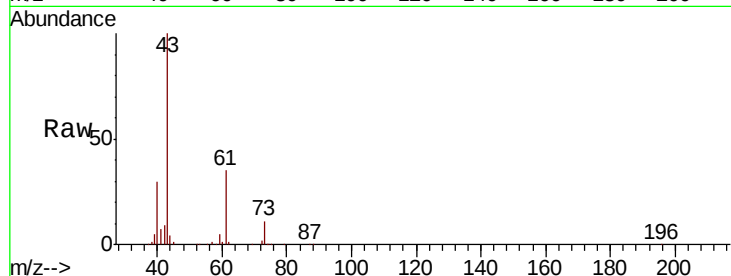
Tot Ion: 43 Resp: 103632

Ion Ratio Lower Upper

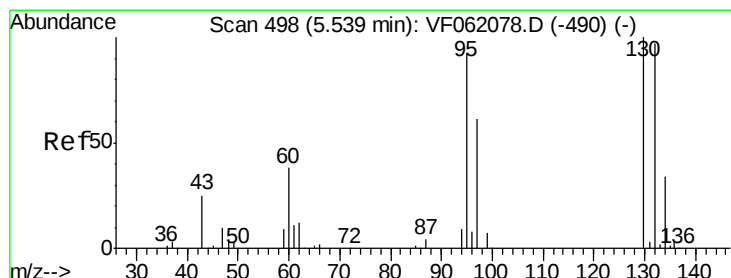
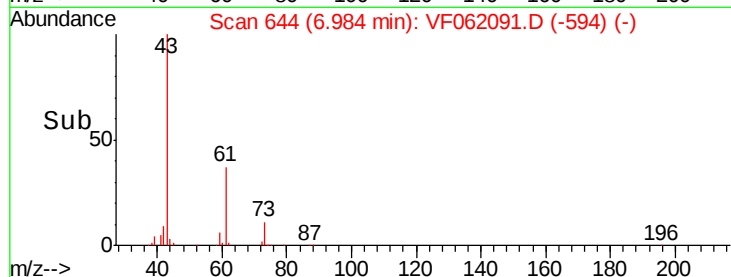
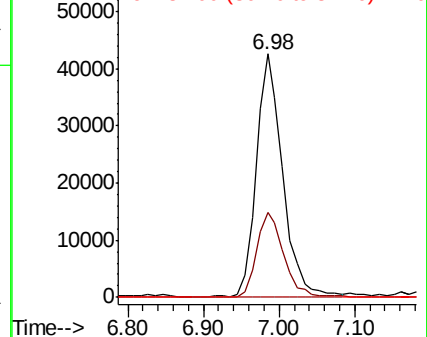
43 100

61 34.7 27.0 40.4

87 0.3 0.4 0.6#



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: 52.568 ug/l

RT: 5.53 min Scan# 497

Delta R.T. -0.00 min

Lab File: VF062091.D

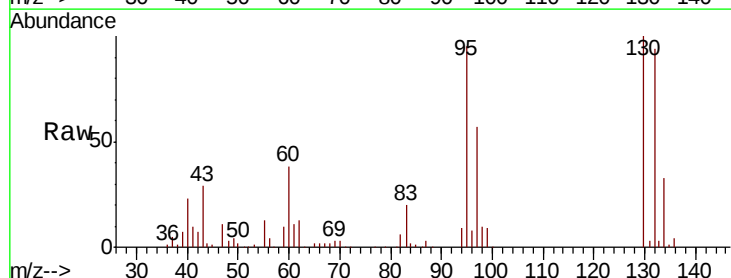
Acq: 22 Mar 2019 19:46

Tgt Ion:130 Resp: 158673

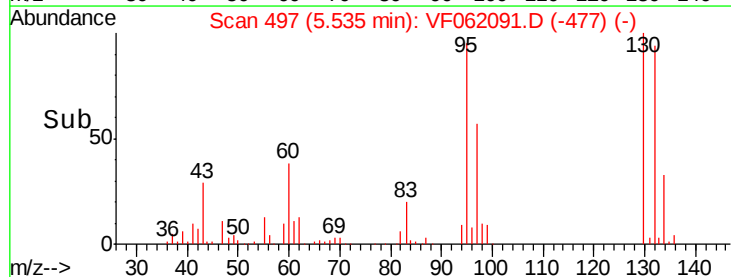
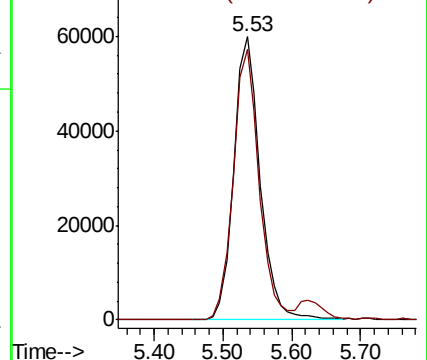
Ion Ratio Lower Upper

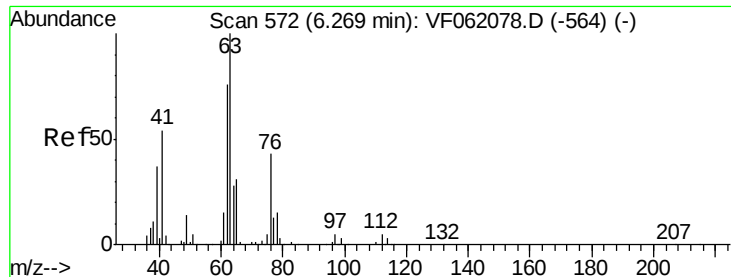
130 100

95 95.5 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 55.788 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

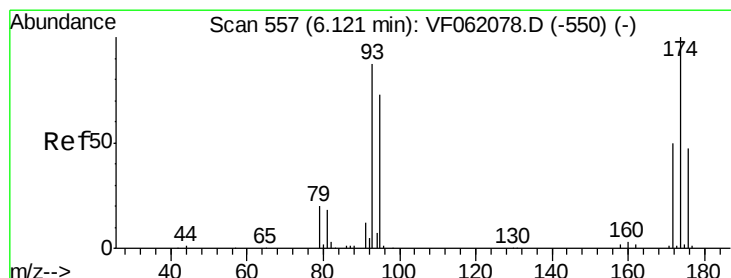
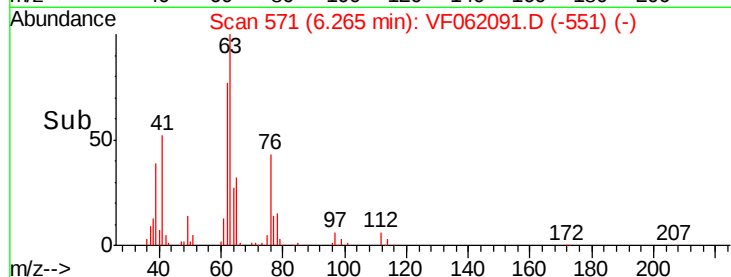
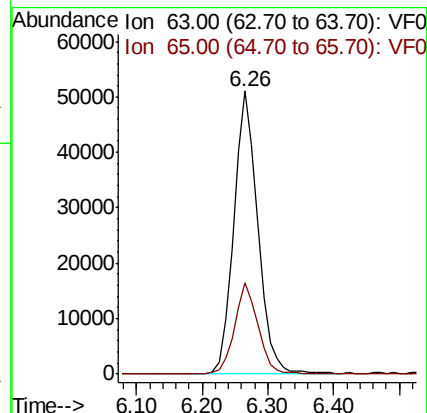
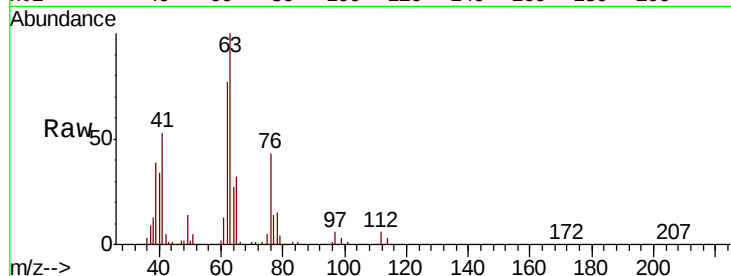
VSTDCCC050EC

Tot Ion: 63 Resp: 131369

Ion Ratio Lower Upper

63 100

65 32.4 24.9 37.3



#46

Dibromomethane

Concen: 55.918 ug/l

RT: 6.12 min Scan# 556

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

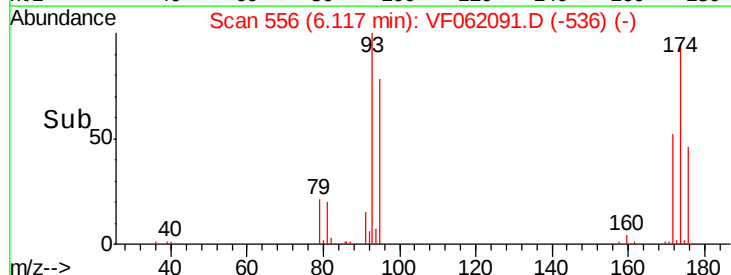
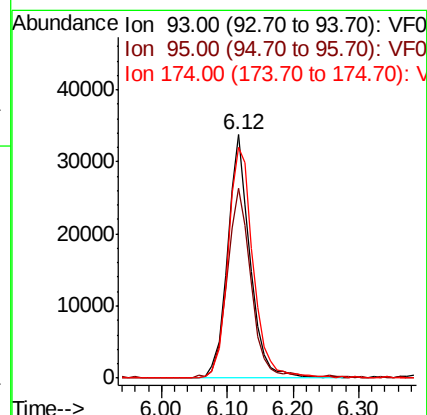
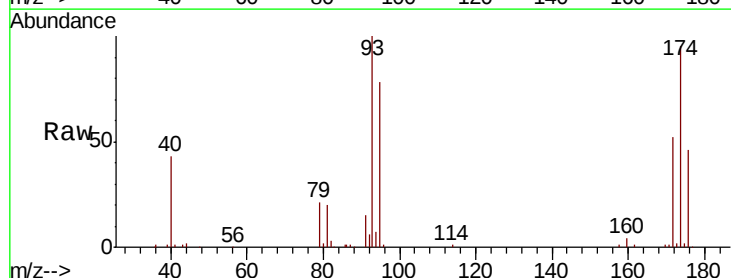
Tgt Ion: 93 Resp: 80509

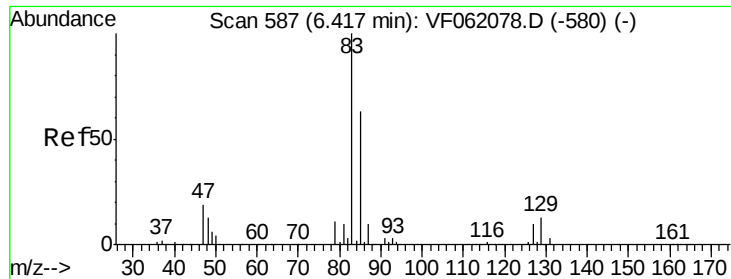
Ion Ratio Lower Upper

93 100

95 78.2 67.4 101.2

174 94.9 92.0 138.0





#47

Bromodichloromethane

Concen: 55.736 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

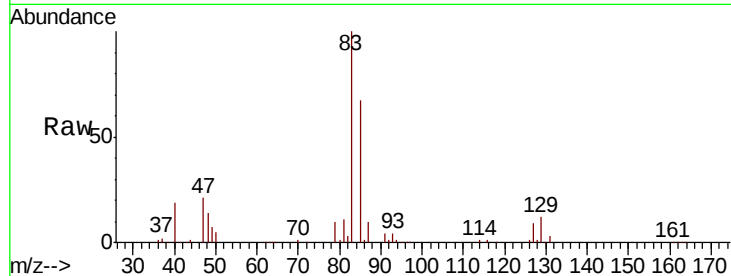
Tot Ion: 83 Resp: 177748

Ion Ratio Lower Upper

83 100

85 67.1 50.7 76.1

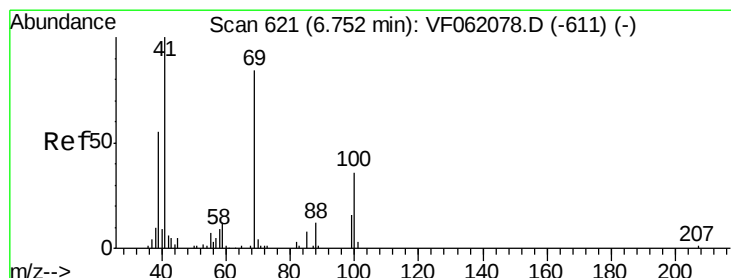
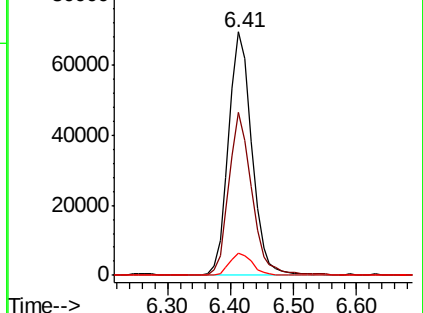
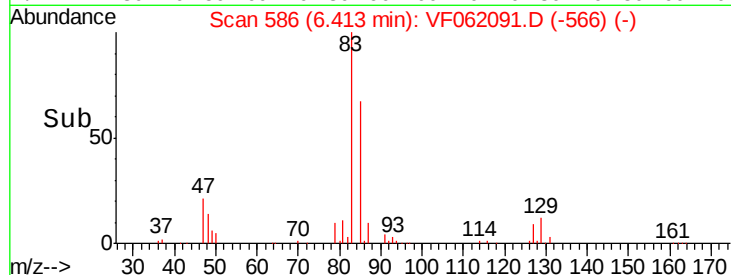
127 8.9 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 58.902 ug/l

RT: 6.75 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

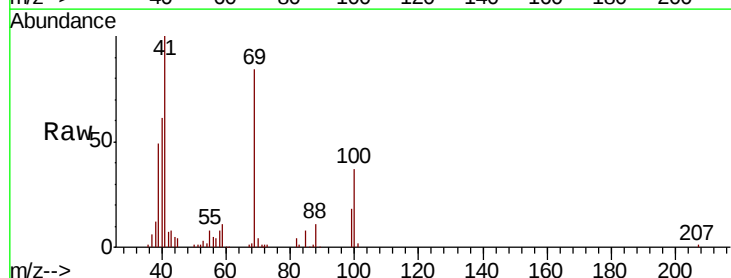
Tgt Ion: 41 Resp: 65370

Ion Ratio Lower Upper

41 100

69 84.1 66.6 100.0

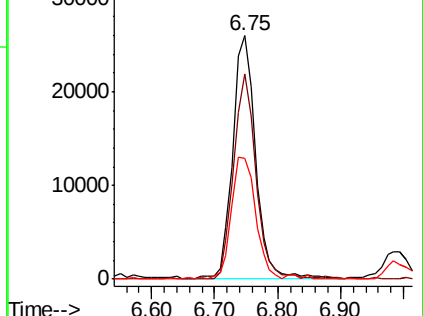
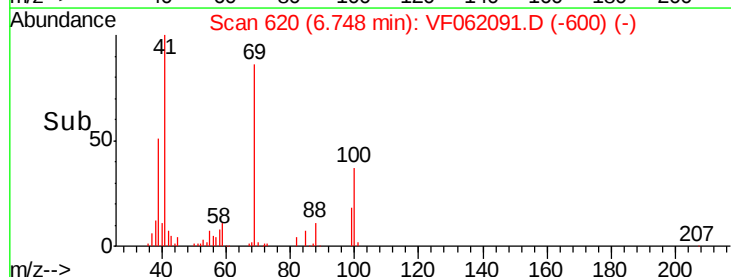
39 49.5 43.6 65.4

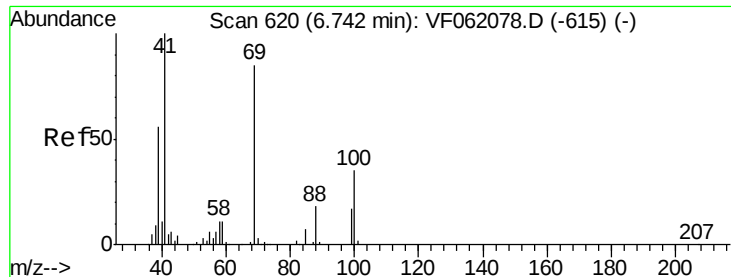


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

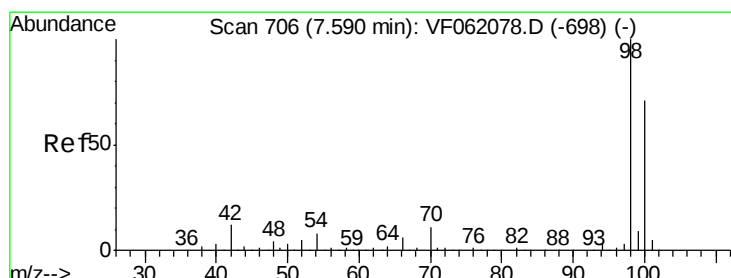
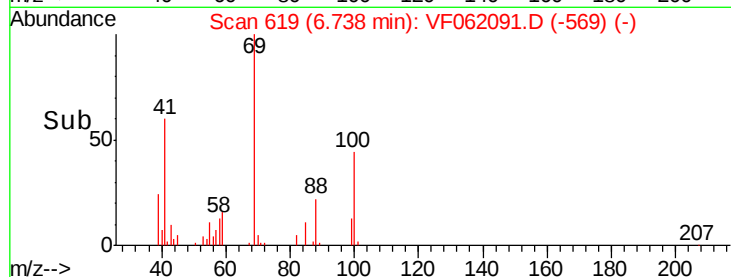
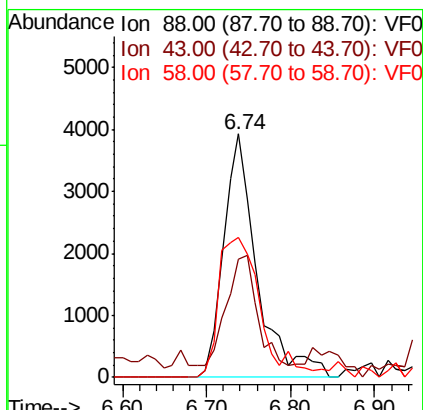
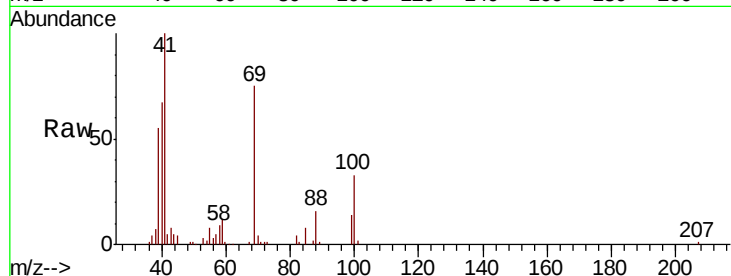




#49
1,4-Dioxane
Concen: 1107.397 ug/l
RT: 6.74 min Scan# 619
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

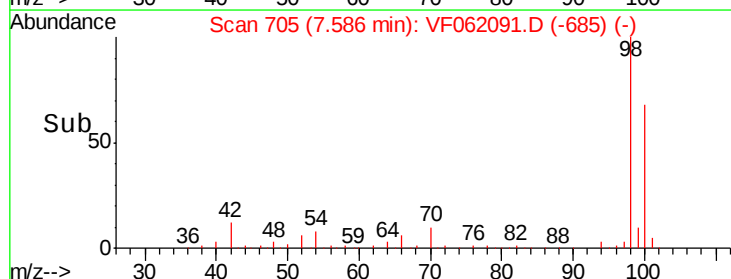
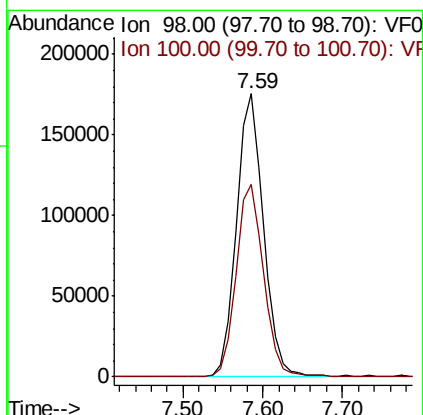
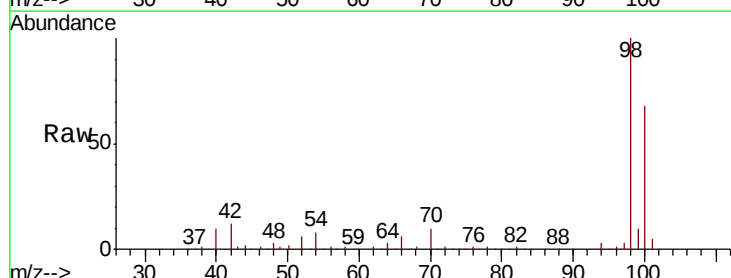
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

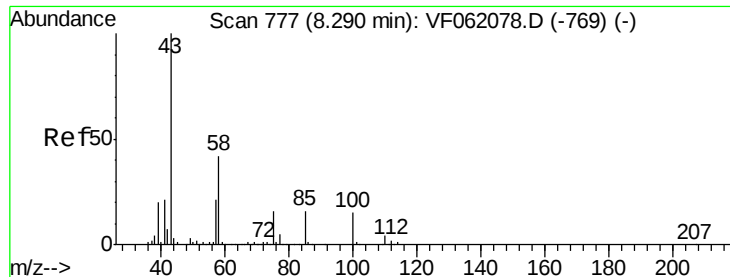
Tot Ion: 88 Resp: 10784
Ion Ratio Lower Upper
88 100
43 48.7 35.0 52.4
58 57.4 49.9 74.9



#50
Toluene-d8
Concen: 52.946 ug/l
RT: 7.59 min Scan# 705
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 98 Resp: 413369
Ion Ratio Lower Upper
98 100
100 68.2 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 276.222 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

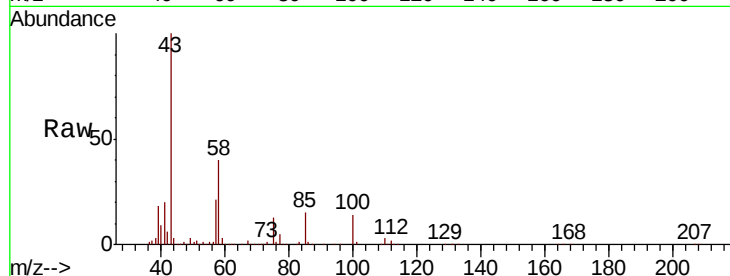
VSTDCCC050EC

Tot Ion: 43 Resp: 360359

Ion Ratio Lower Upper

43 100

58 40.2 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

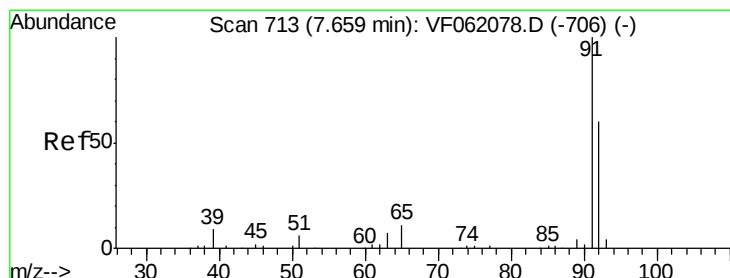
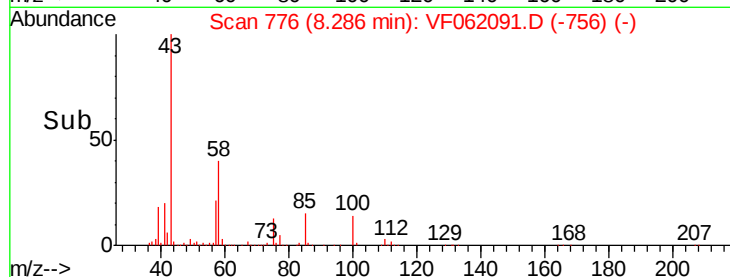
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 55.582 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.00 min

Lab File: VF062091.D

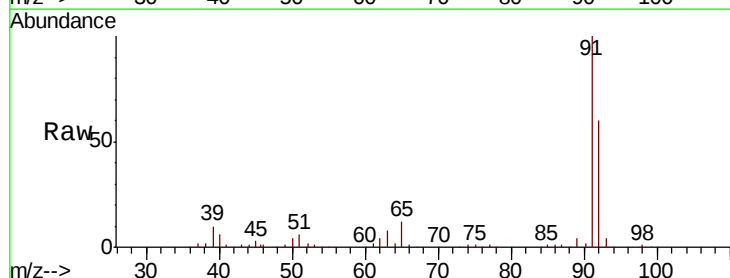
Acq: 22 Mar 2019 19:46

Tgt Ion: 92 Resp: 317843

Ion Ratio Lower Upper

92 100

91 166.2 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.65

250000

200000

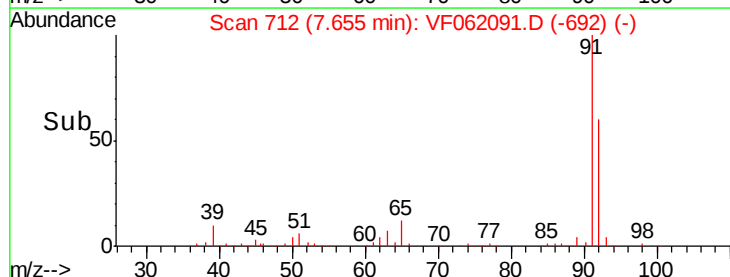
150000

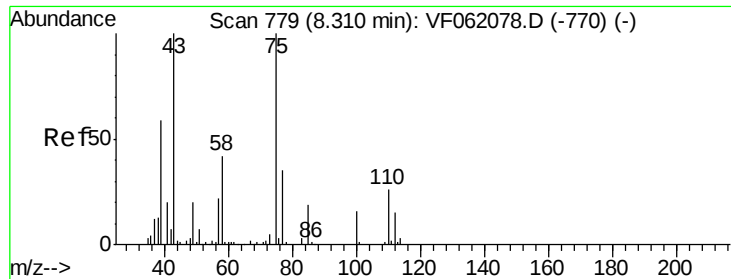
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.261 ug/l

RT: 8.31 min Scan# 778

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

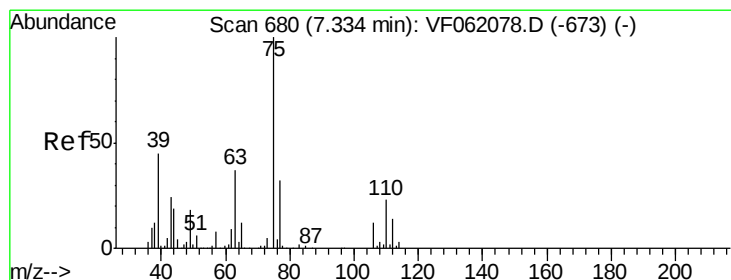
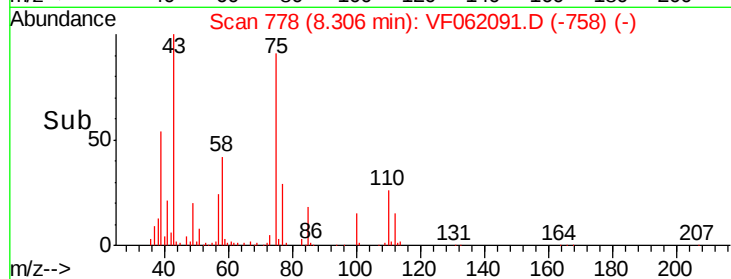
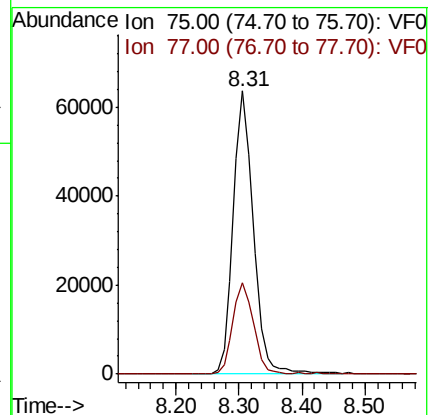
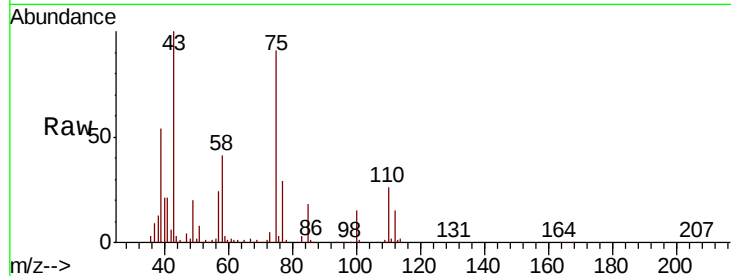
VSTDCCC050EC

Tot Ion: 75 Resp: 140851

Ion Ratio Lower Upper

75 100

77 32.2 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 56.940 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

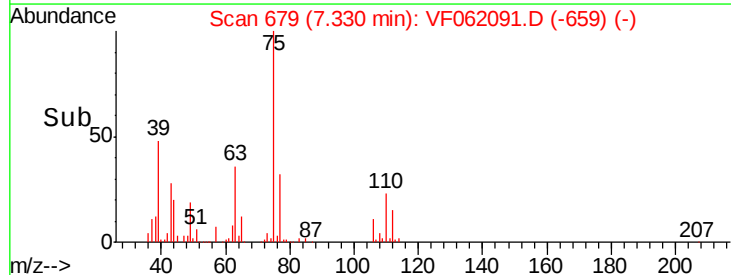
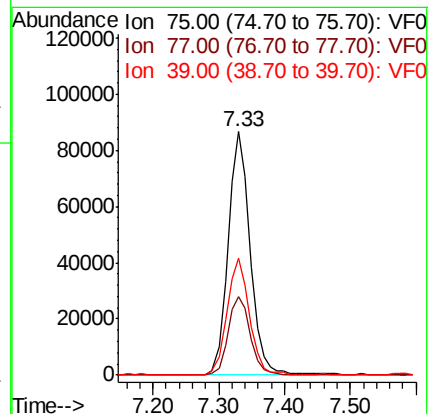
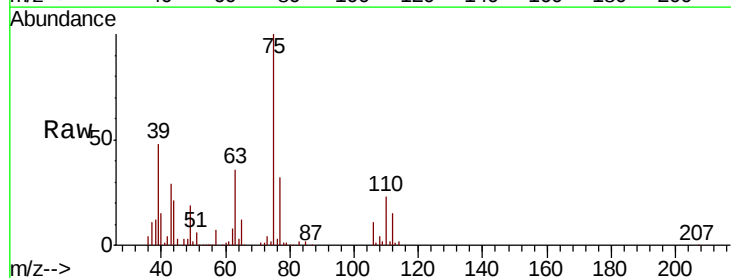
Tgt Ion: 75 Resp: 203964

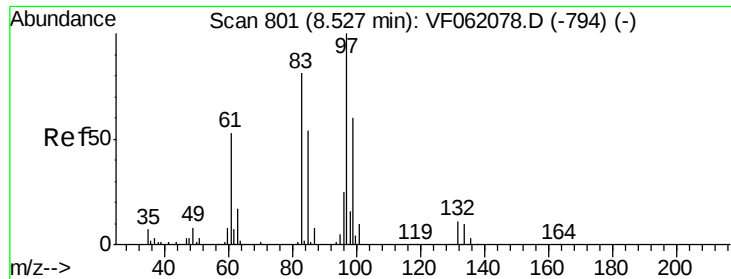
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 48.2 35.9 53.9

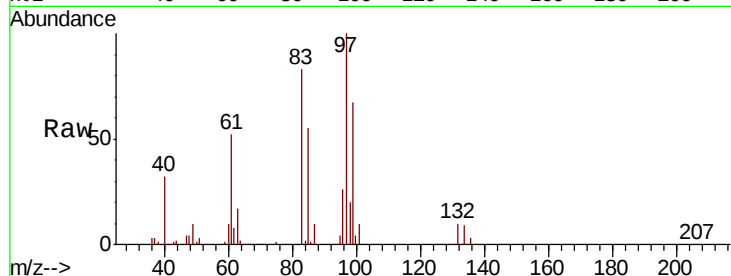




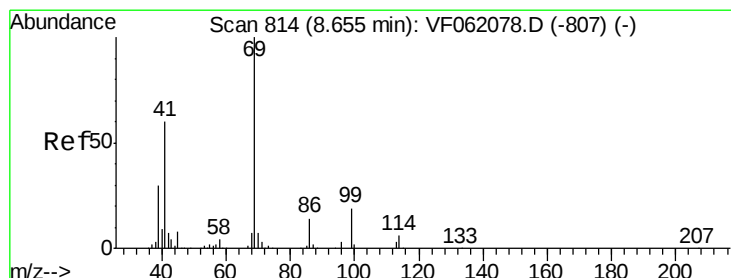
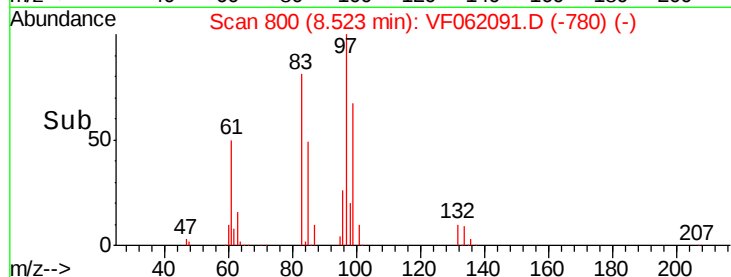
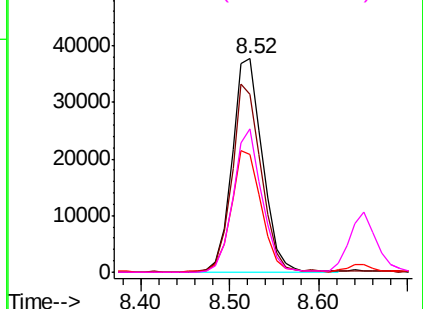
#55
 1,1,2-Trichloroethane
 Concen: 55.250 ug/l
 RT: 8.52 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	89742
Ion	Ratio	Lower	Upper
97	100		
83	83.5	64.6	97.0
85	55.2	43.6	65.4
99	67.0	48.2	72.2

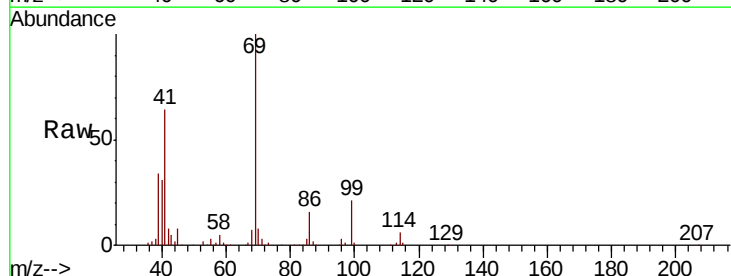


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

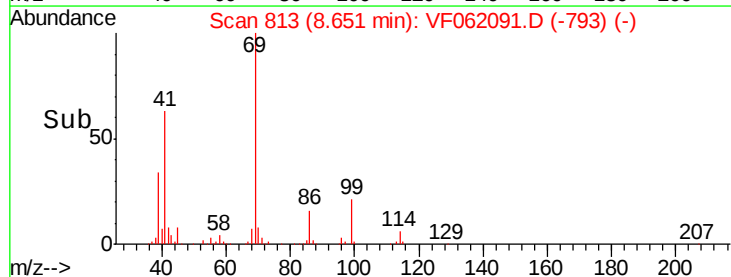
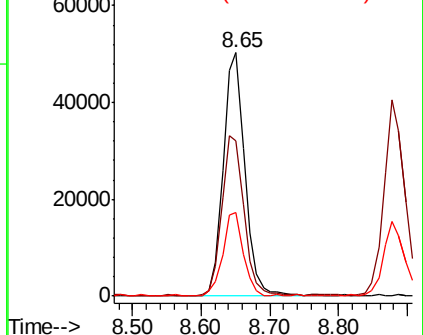


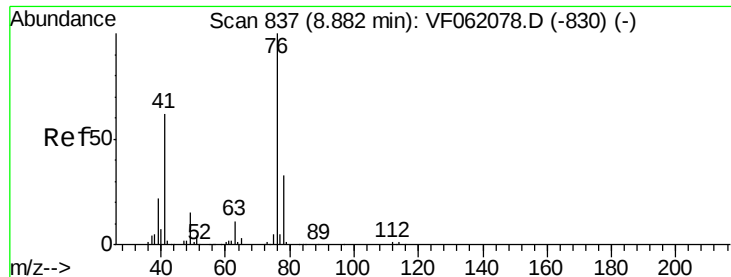
#56
 Ethyl methacrylate
 Concen: 56.520 ug/l
 RT: 8.65 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion:	69	Resp:	109487
Ion	Ratio	Lower	Upper
69	100		
41	63.7	48.2	72.2
39	34.4	24.0	36.0



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: 55.732 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

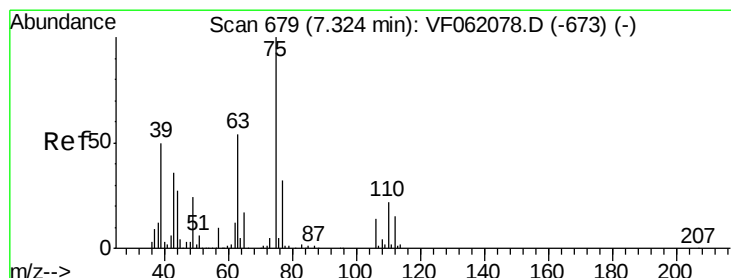
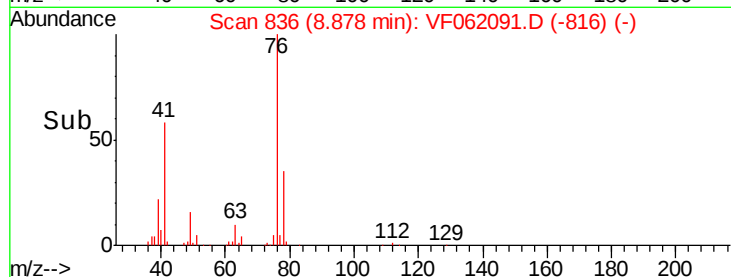
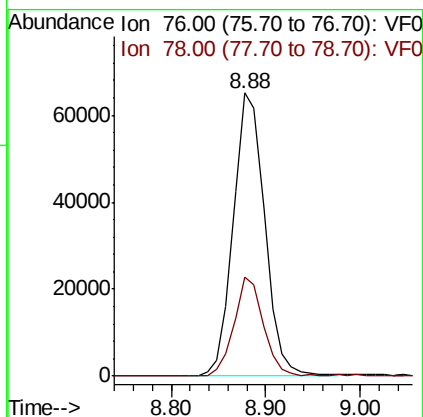
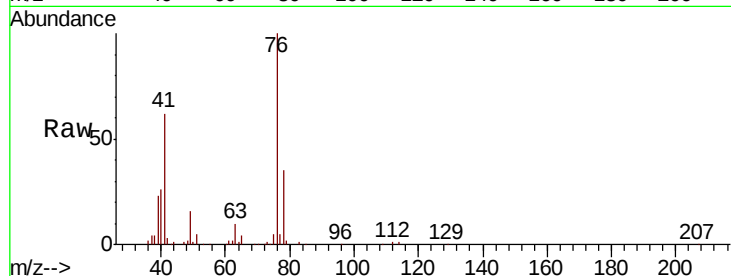
VSTDCCC050EC

Tot Ion: 76 Resp: 150244

Ion Ratio Lower Upper

76 100

78 35.1 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 271.824 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF062091.D

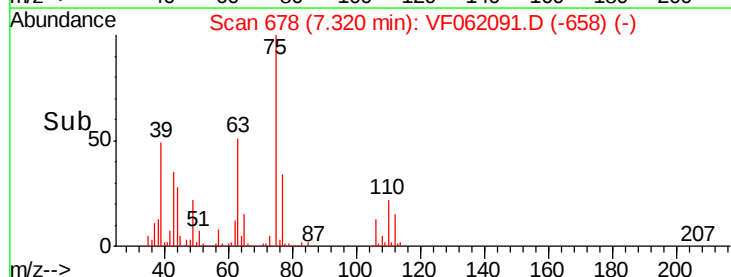
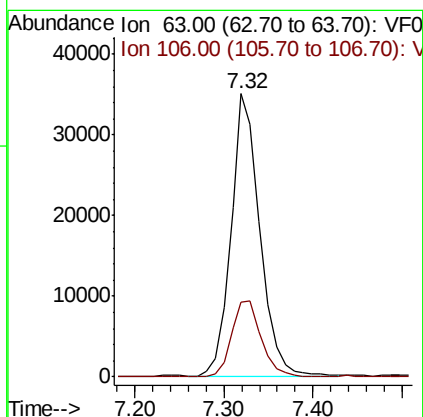
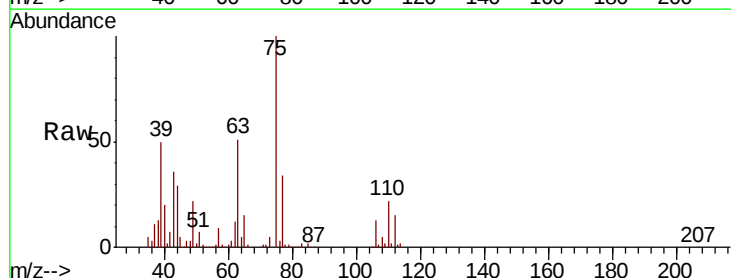
Acq: 22 Mar 2019 19:46

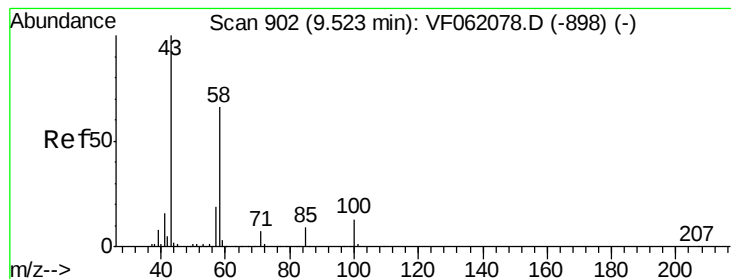
Tgt Ion: 63 Resp: 79902

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3





#59

2-Hexanone

Concen: 261.792 ug/l

RT: 9.52 min Scan# 901

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

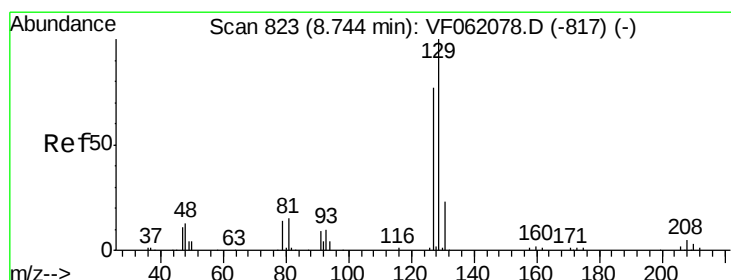
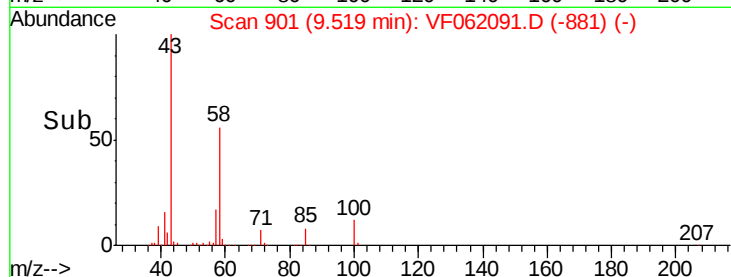
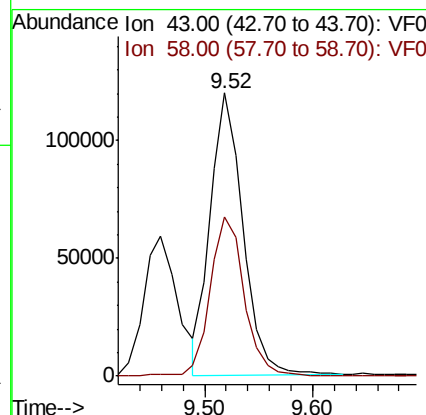
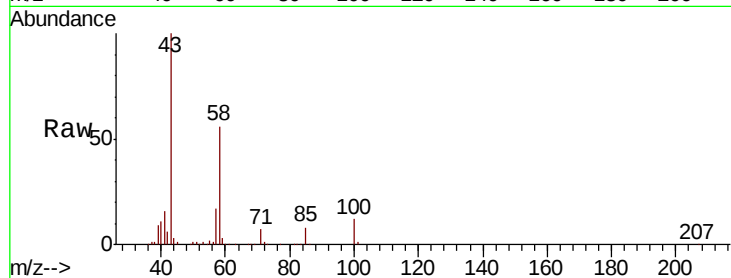
VSTDCCC050EC

Tot Ion: 43 Resp: 250313

Ion Ratio Lower Upper

43 100

58 56.1 28.8 86.4



#60

Dibromochloromethane

Concen: 56.920 ug/l

RT: 8.74 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062091.D

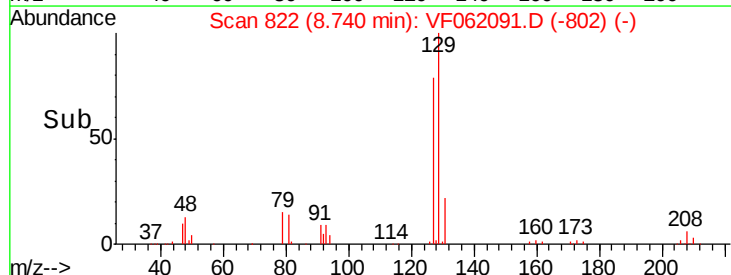
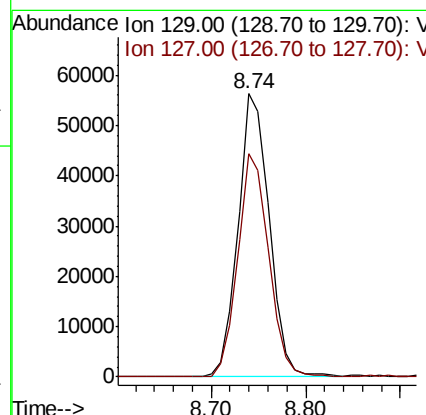
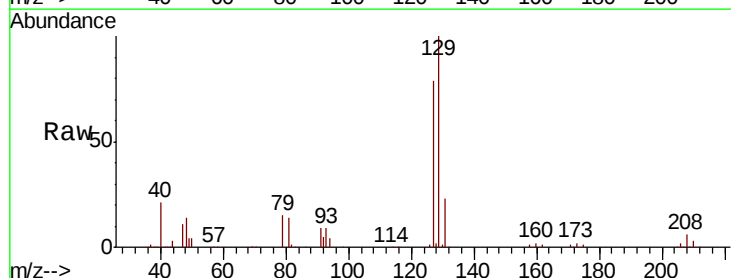
Acq: 22 Mar 2019 19:46

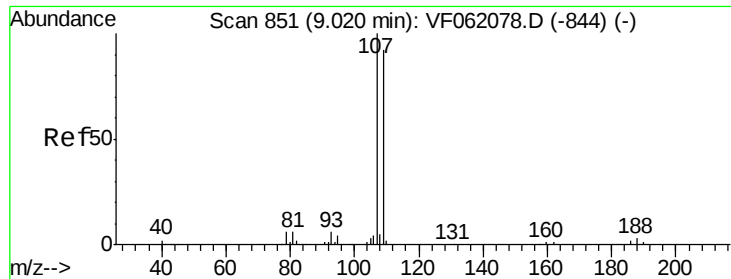
Tgt Ion: 129 Resp: 128529

Ion Ratio Lower Upper

129 100

127 79.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 59.112 ug/l

RT: 9.02 min Scan# 850

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

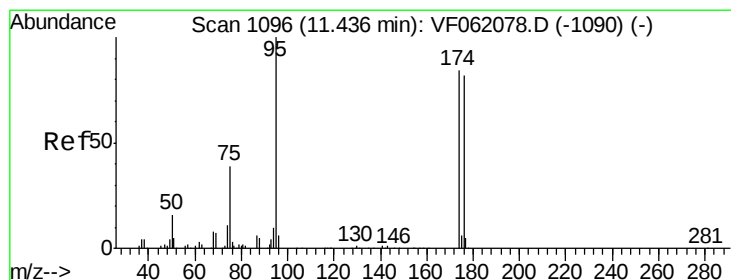
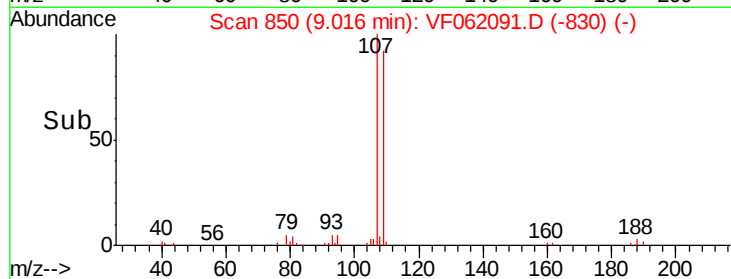
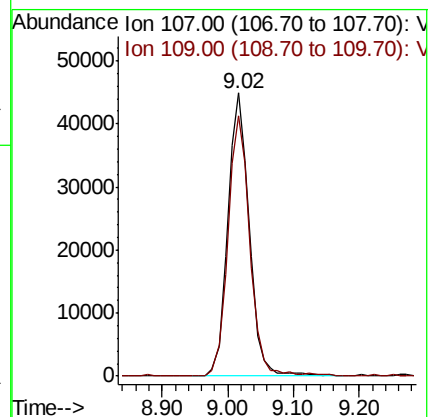
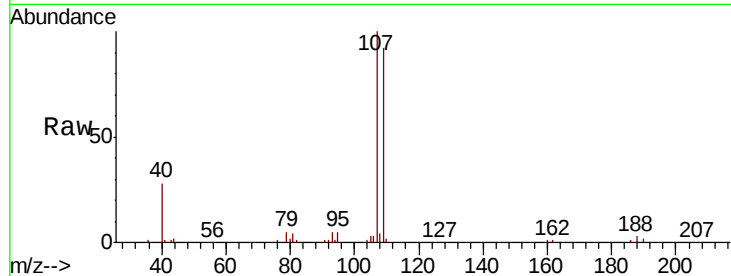
VSTDCCC050EC

Tot Ion:107 Resp: 102437

Ion Ratio Lower Upper

107 100

109 91.8 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 51.803 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

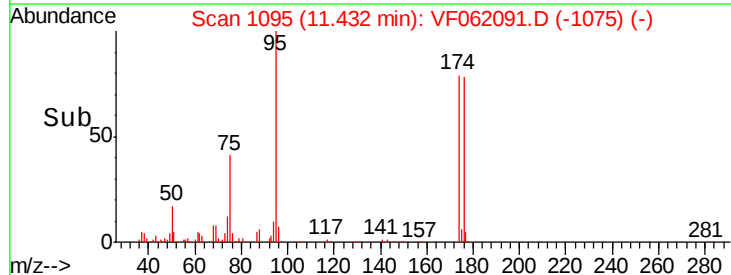
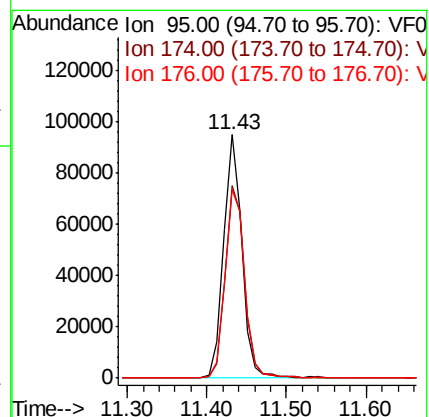
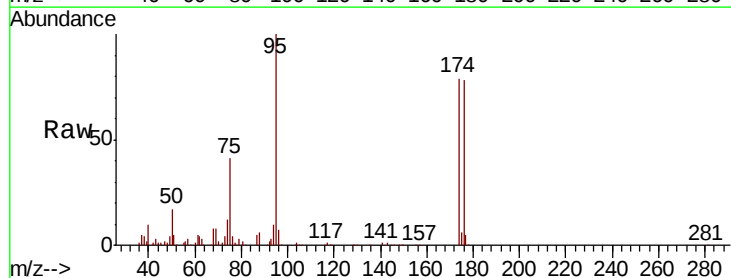
Tgt Ion: 95 Resp: 156136

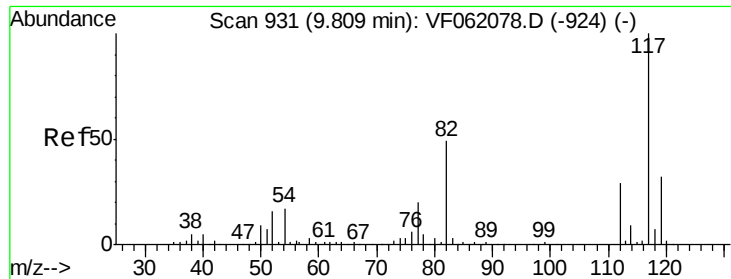
Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.2

176 77.7 0.0 164.2

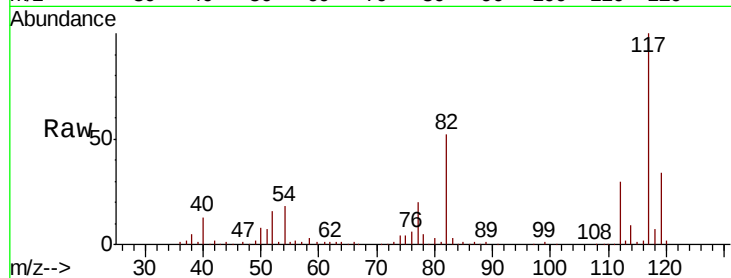




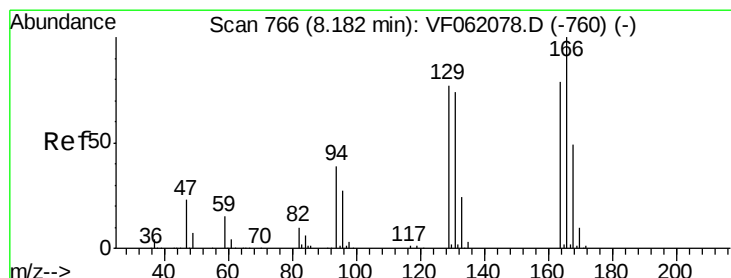
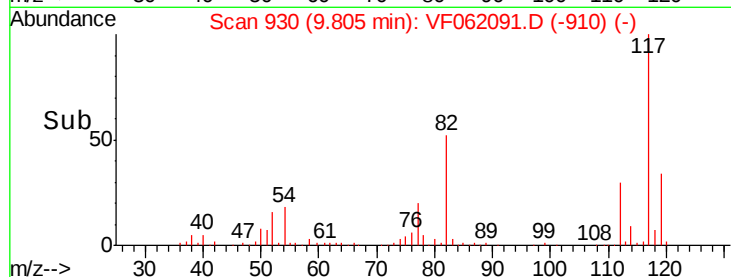
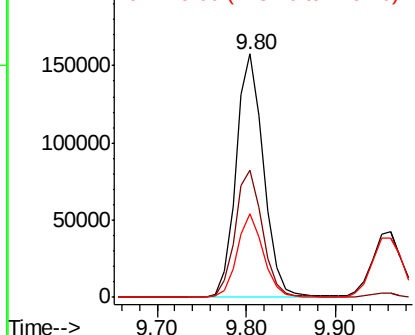
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 339870
Ion Ratio Lower Upper
117 100
82 52.2 39.2 58.8
119 34.1 25.4 38.2



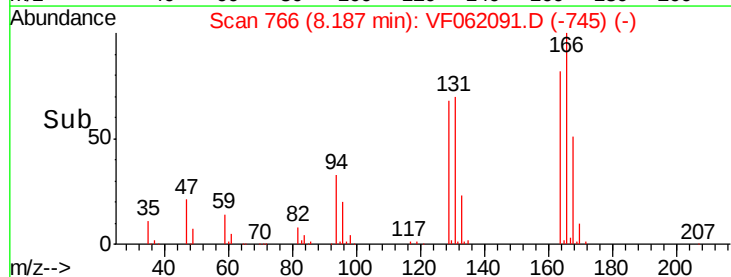
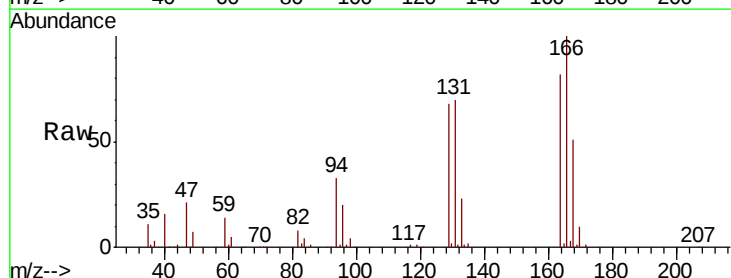
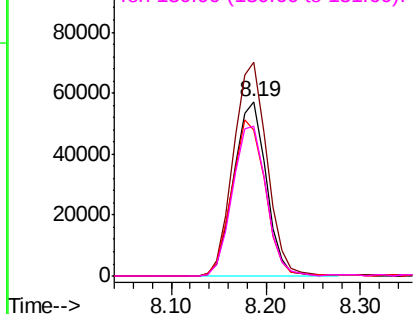
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

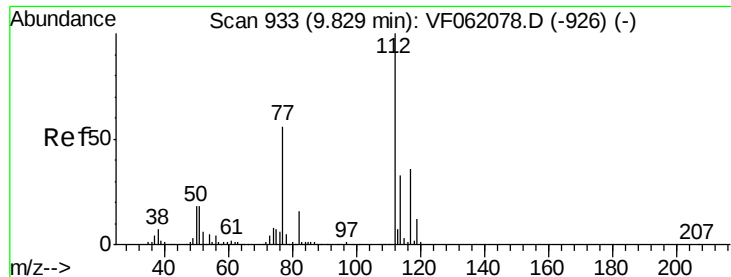


#64
Tetrachloroethene
Concen: 51.963 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion:164 Resp: 136444
Ion Ratio Lower Upper
164 100
166 122.7 100.9 151.3
129 83.7 77.9 116.9
131 86.1 74.6 112.0

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

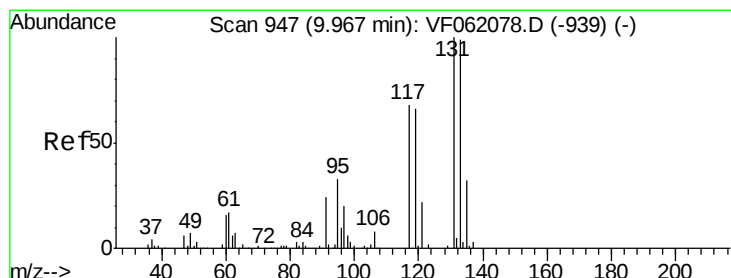
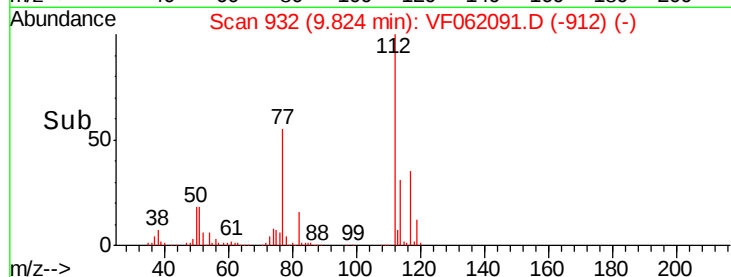
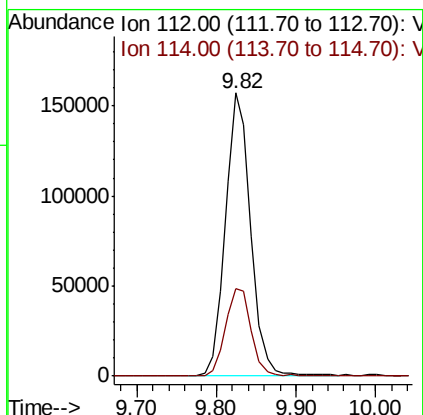
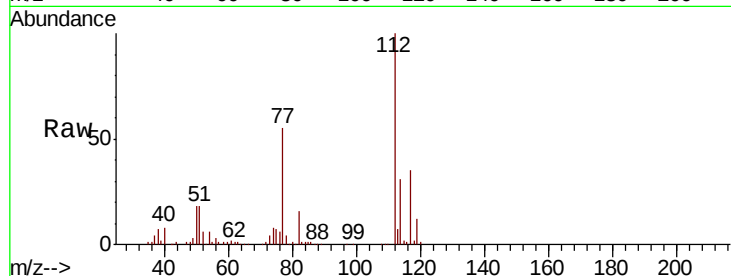




#65
Chlorobenzene
Concen: 55.089 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

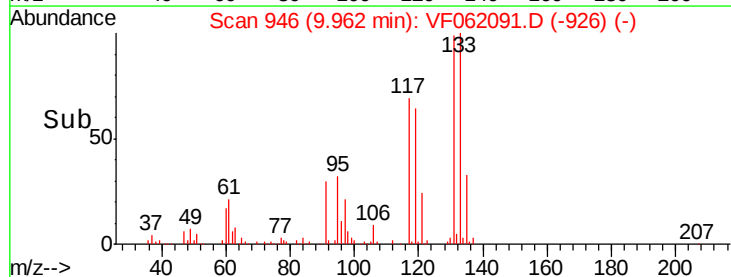
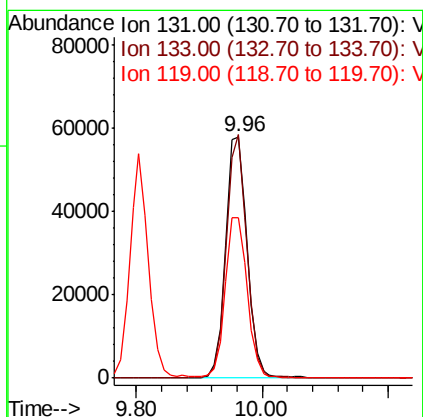
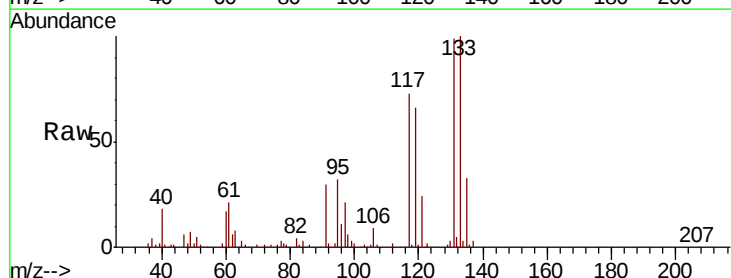
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

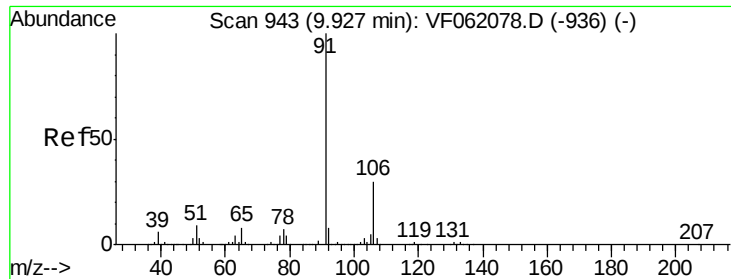
Tot Ion:112 Resp: 350325
Ion Ratio Lower Upper
112 100
114 31.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.388 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion:131 Resp: 136375
Ion Ratio Lower Upper
131 100
133 100.9 49.3 147.8
119 66.3 33.5 100.4

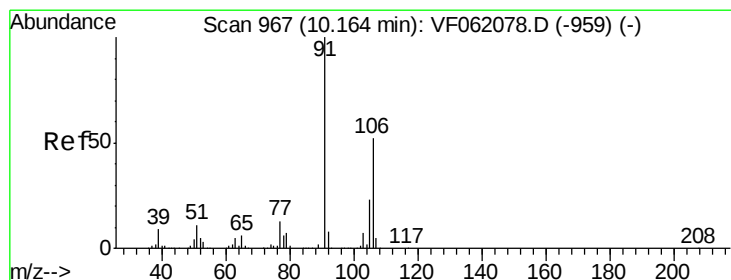
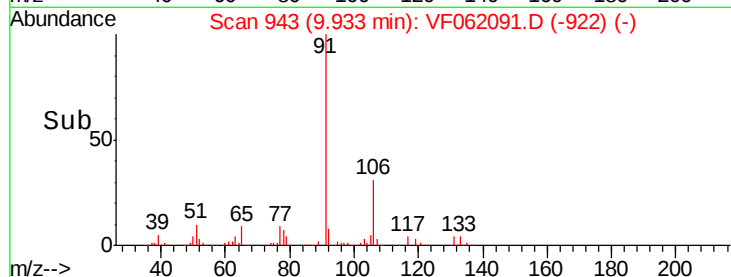
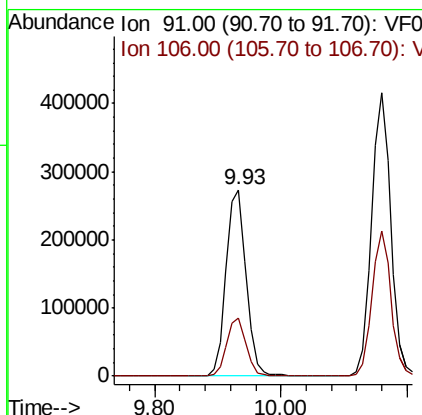
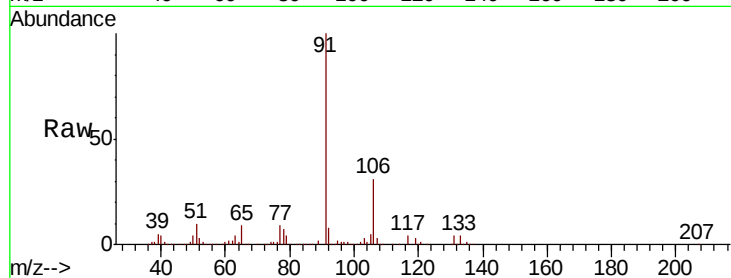




#67
Ethyl Benzene
Concen: 54.546 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

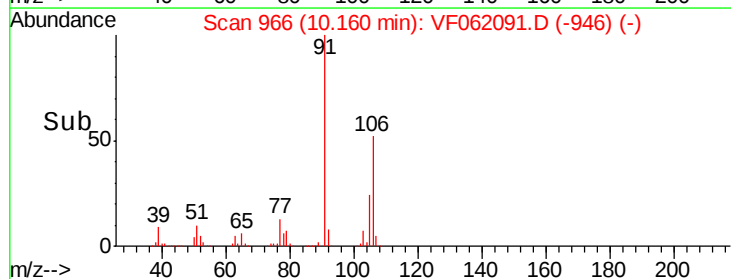
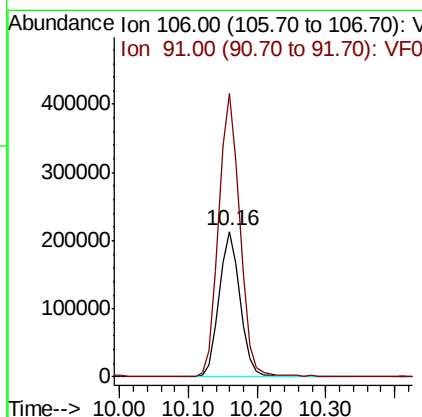
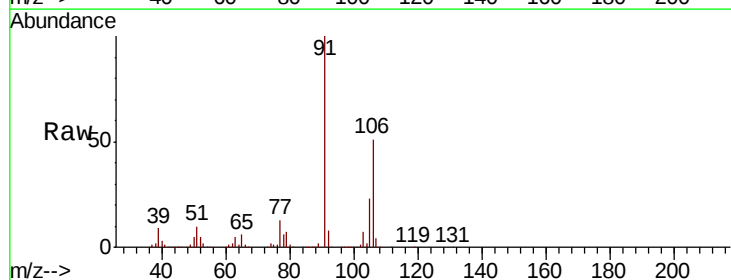
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

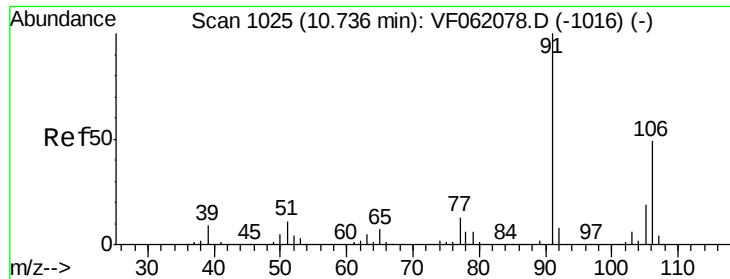
Tot Ion: 91 Resp: 603241
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0



#68
m/p-Xylenes
Concen: 109.050 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 106 Resp: 450757
Ion Ratio Lower Upper
106 100
91 194.4 154.4 231.6

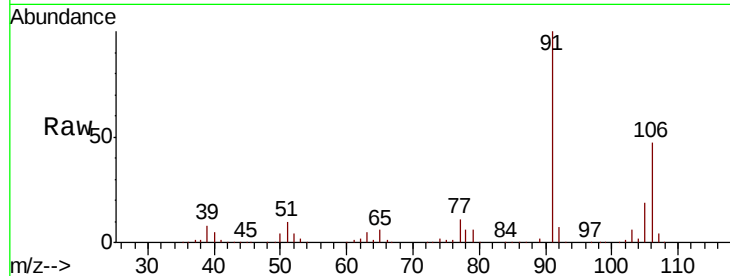




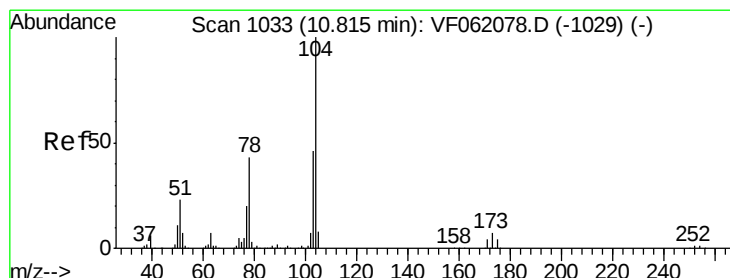
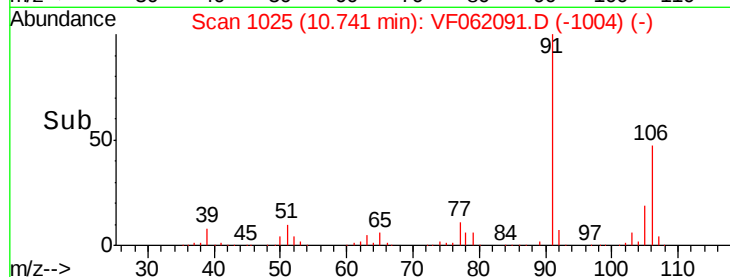
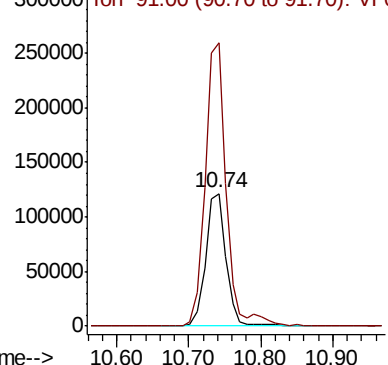
#69
o-Xylene
Concen: 54.947 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 237879
Ion Ratio Lower Upper
106 100
91 213.2 102.6 307.8

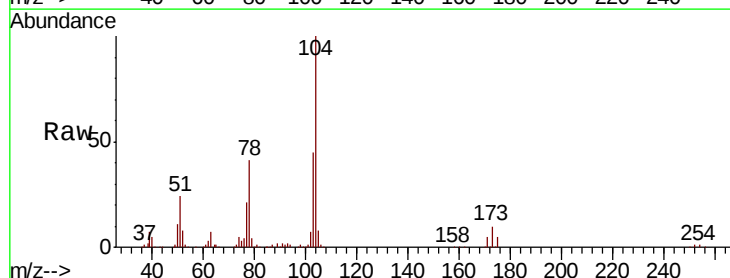


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

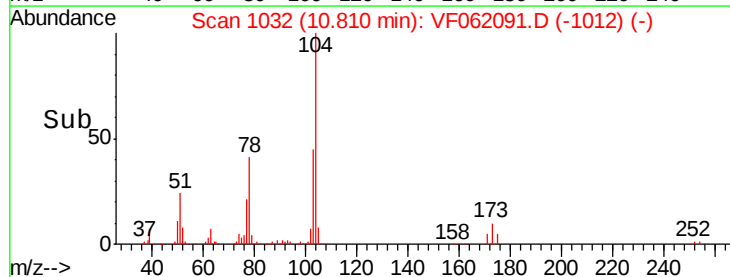
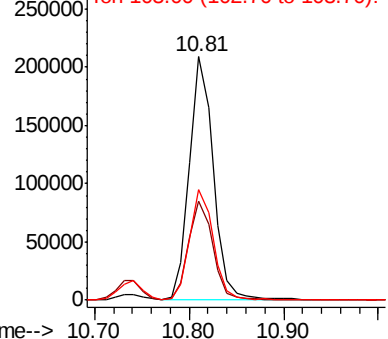


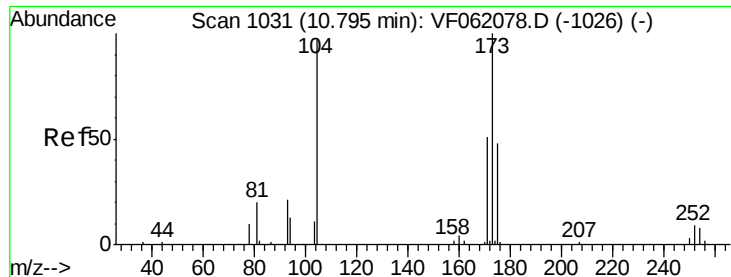
#70
Styrene
Concen: 56.245 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion:104 Resp: 368933
Ion Ratio Lower Upper
104 100
78 40.8 34.3 51.5
103 45.5 36.9 55.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.437 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

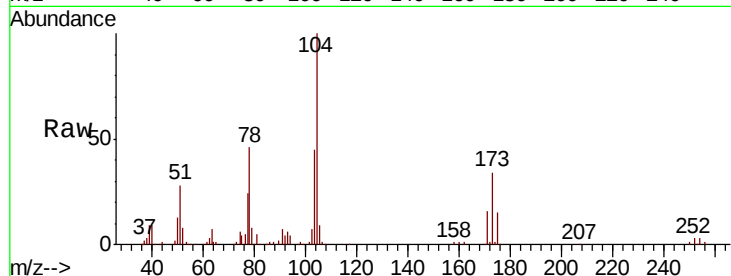
Tot Ion:173 Resp: 71124

Ion Ratio Lower Upper

173 100

175 44.9 24.1 72.4

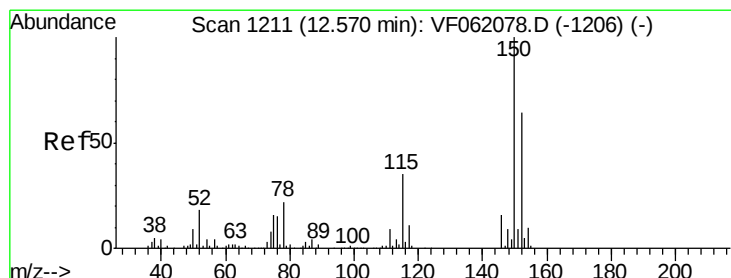
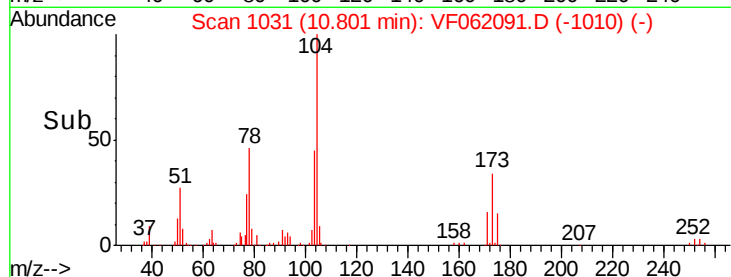
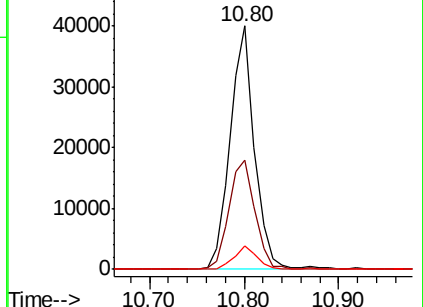
254 9.5 6.2 9.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

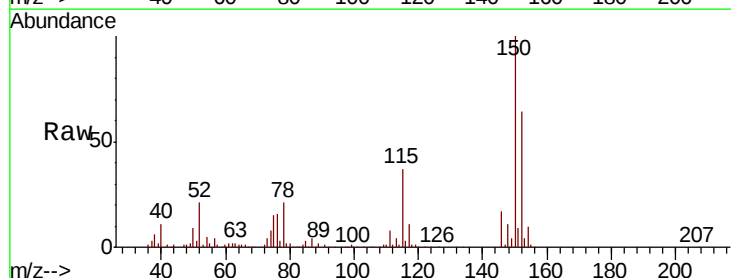
Tgt Ion:152 Resp: 170757

Ion Ratio Lower Upper

152 100

115 57.8 27.7 83.1

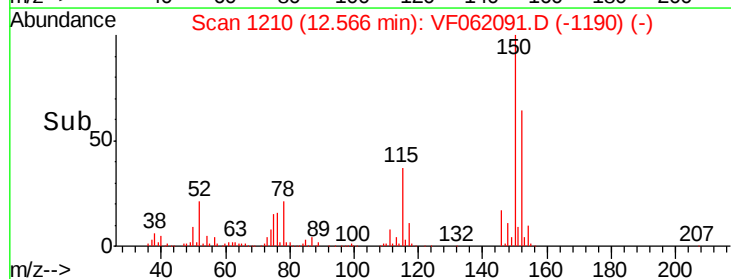
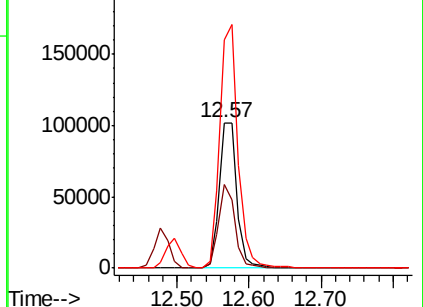
150 157.1 0.0 313.2

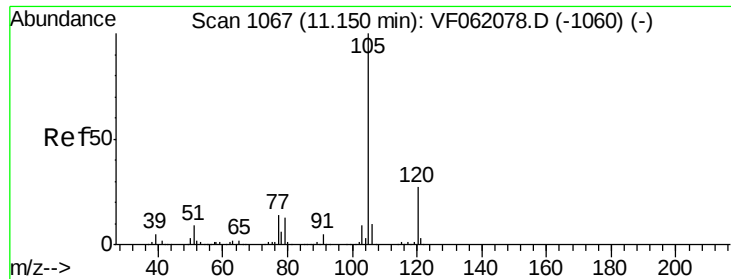


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 56.696 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

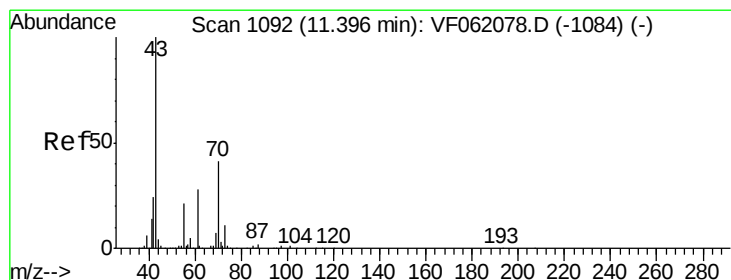
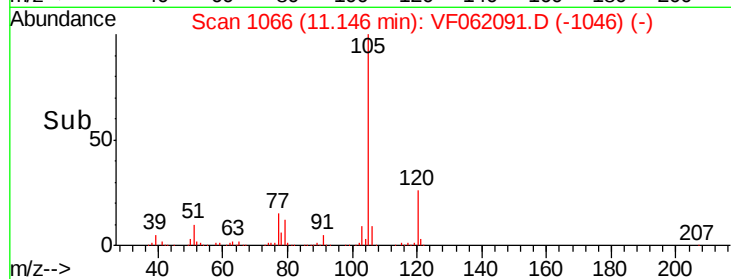
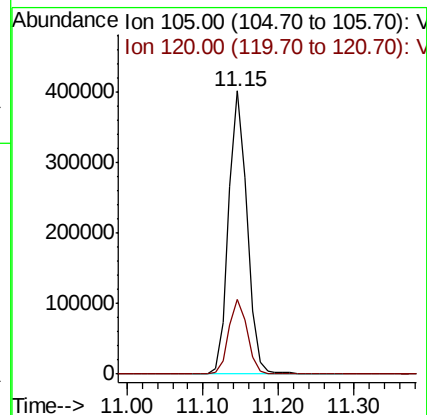
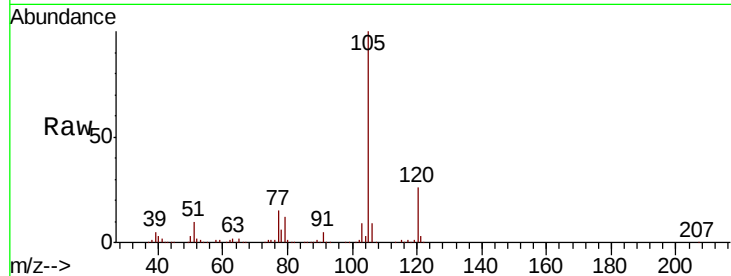
VSTDCCC050EC

Tot Ion:105 Resp: 681232

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



#74

N-ethyl acetate

Concen: 56.409 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion: 43 Resp: 161499

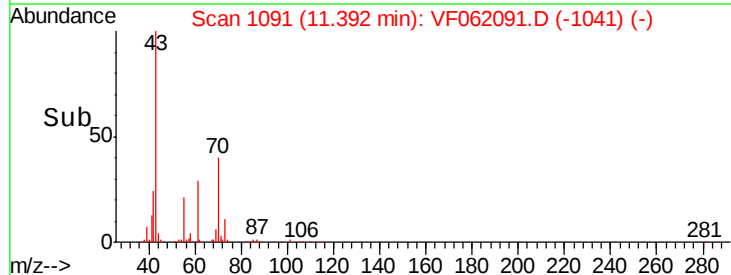
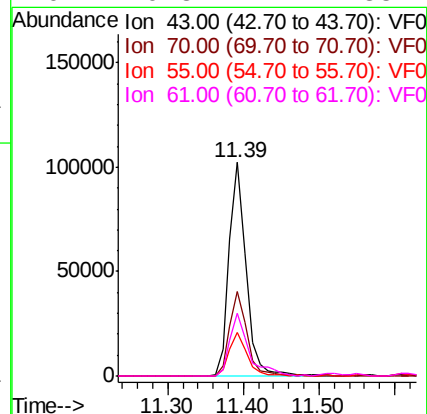
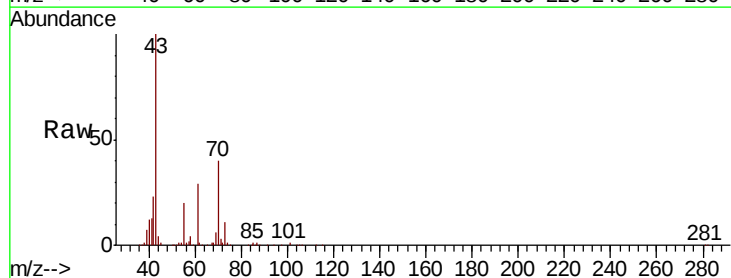
Ion Ratio Lower Upper

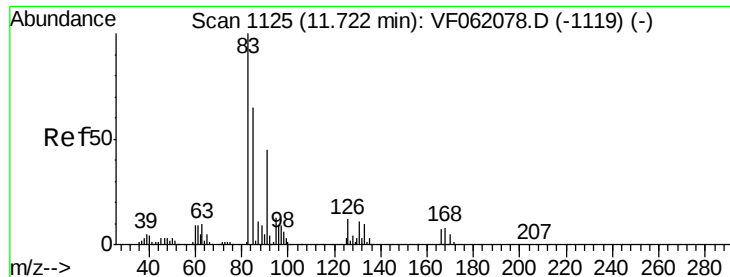
43 100

70 39.8 32.9 49.3

55 20.5 17.1 25.7

61 29.3 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.461 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

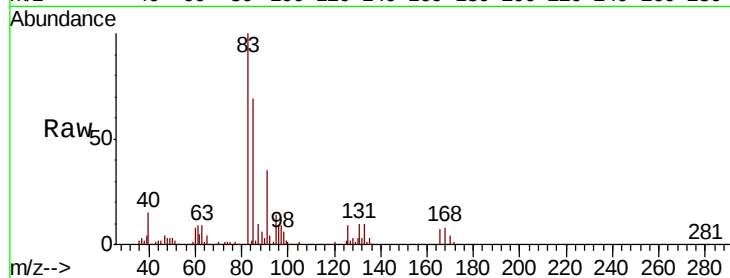
Tot Ion: 83 Resp: 114421

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

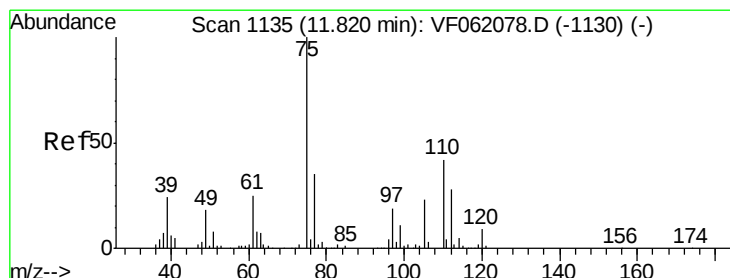
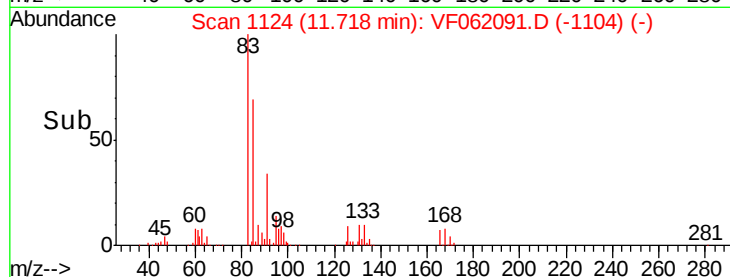
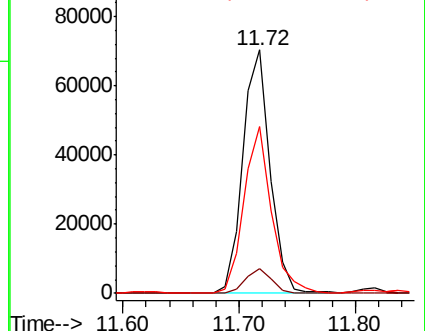
85 68.7 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 54.862 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF062091.D

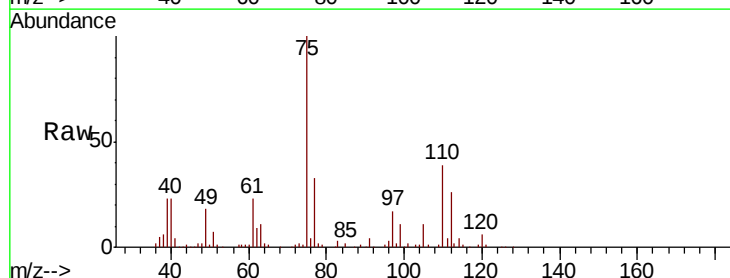
Acq: 22 Mar 2019 19:46

Tgt Ion: 75 Resp: 79655

Ion Ratio Lower Upper

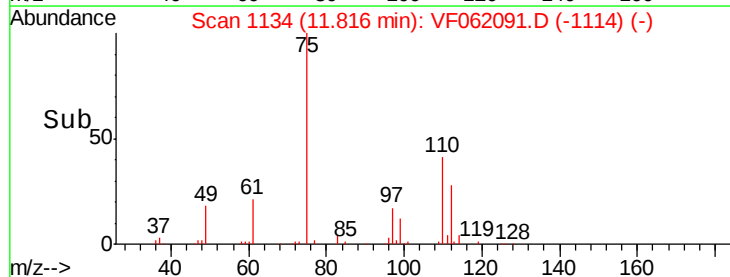
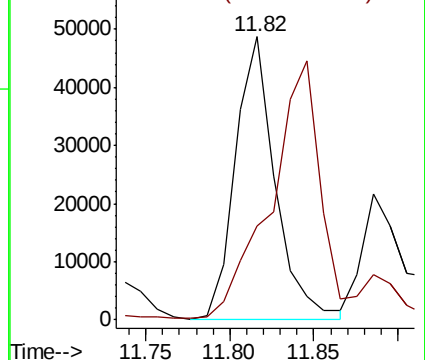
75 100

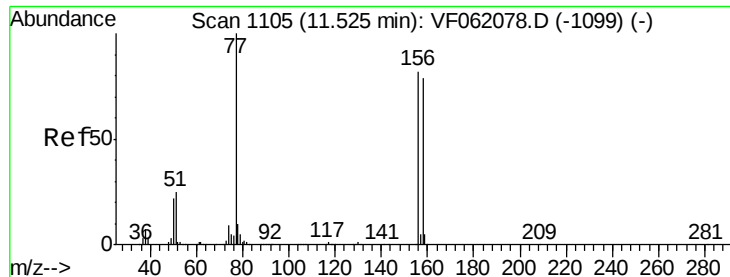
77 33.1 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.788 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

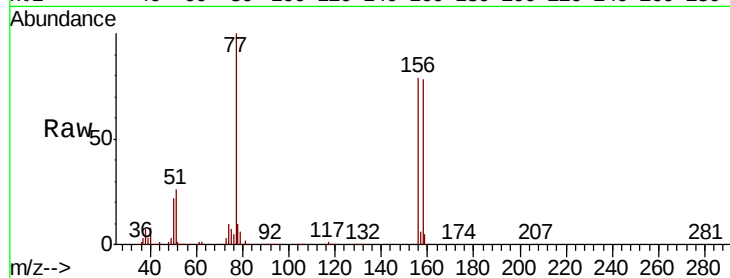
Tot Ion:156 Resp: 160834

Ion Ratio Lower Upper

156 100

77 126.2 61.3 183.9

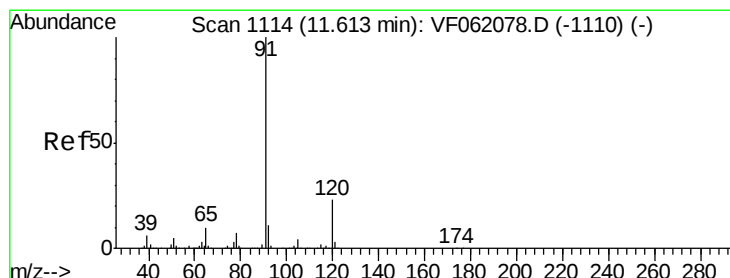
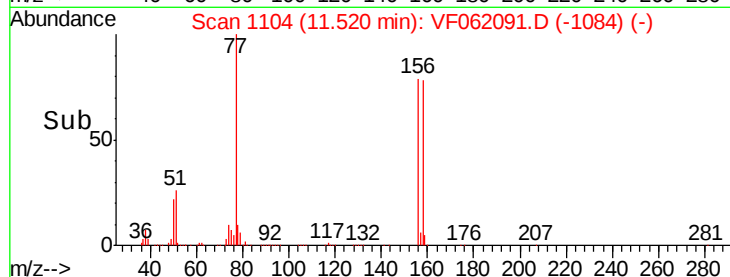
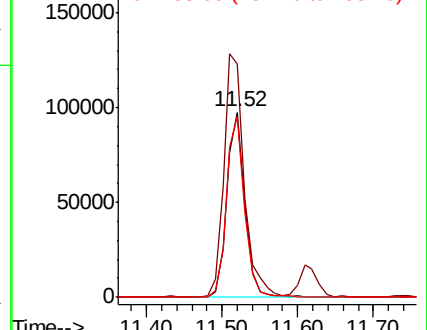
158 97.9 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.506 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062091.D

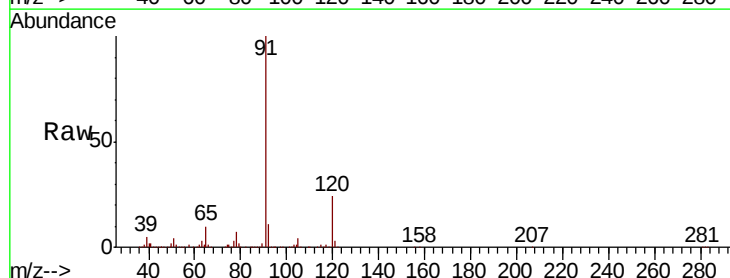
Acq: 22 Mar 2019 19:46

Tgt Ion: 91 Resp: 774440

Ion Ratio Lower Upper

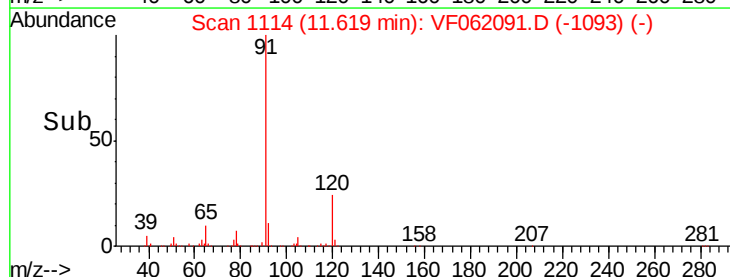
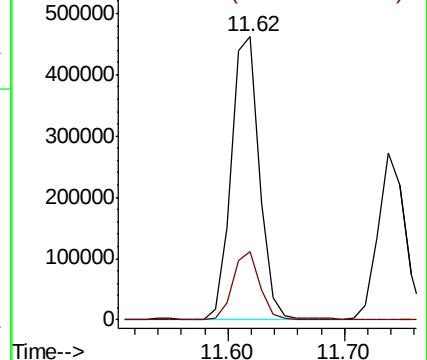
91 100

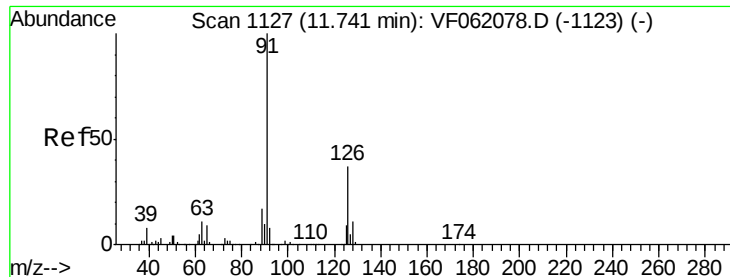
120 24.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.208 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

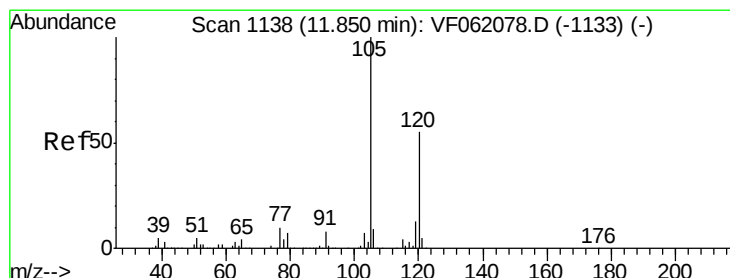
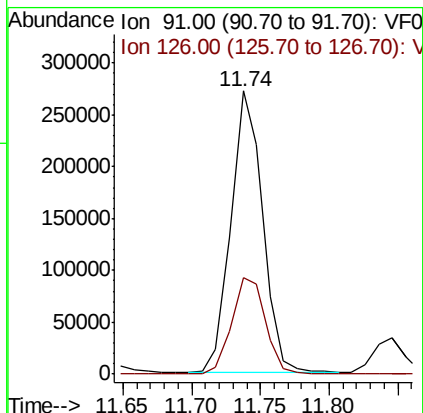
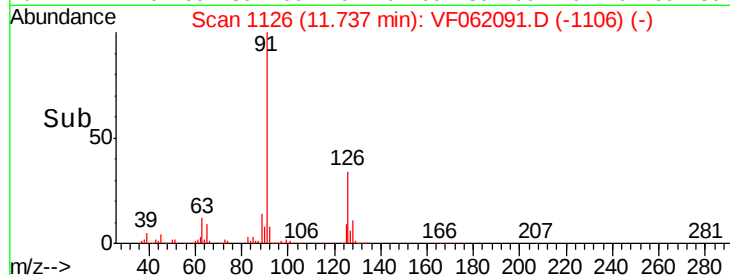
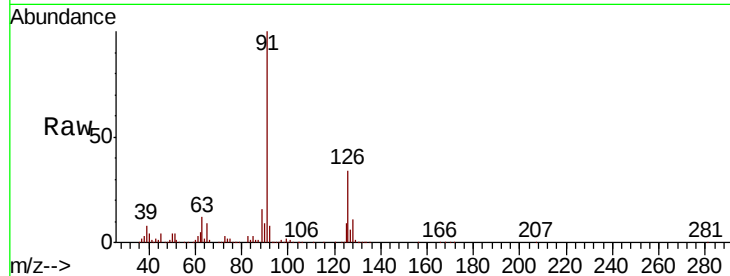
VSTDCCC050EC

Tot Ion: 91 Resp: 435892

Ion Ratio Lower Upper

91 100

126 34.0 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 55.198 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VF062091.D

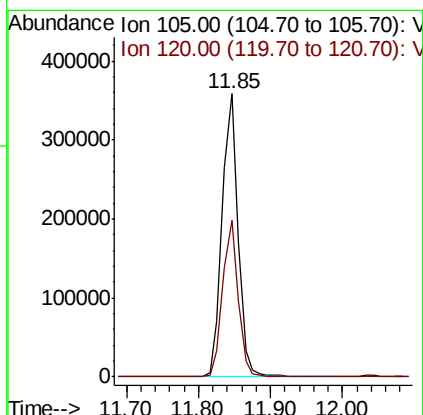
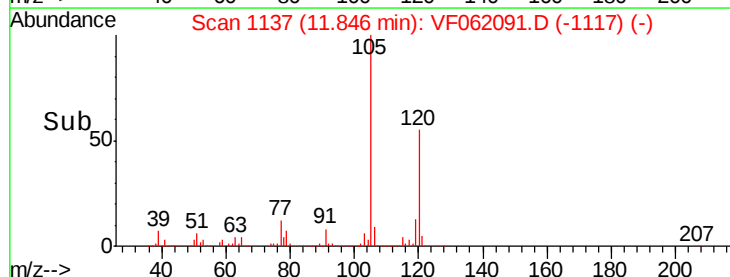
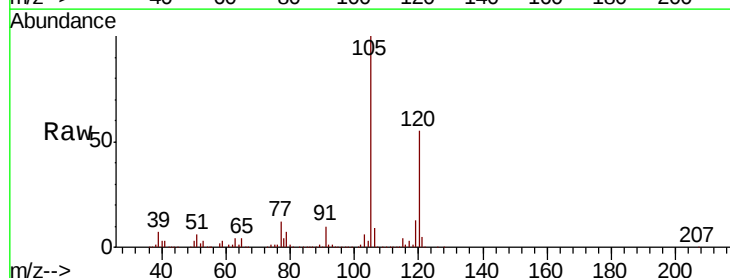
Acq: 22 Mar 2019 19:46

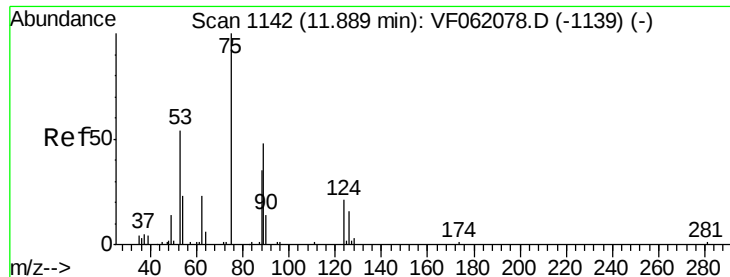
Tgt Ion: 105 Resp: 545535

Ion Ratio Lower Upper

105 100

120 55.2 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 72.592 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

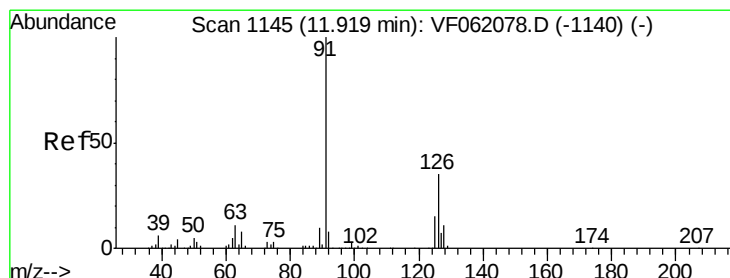
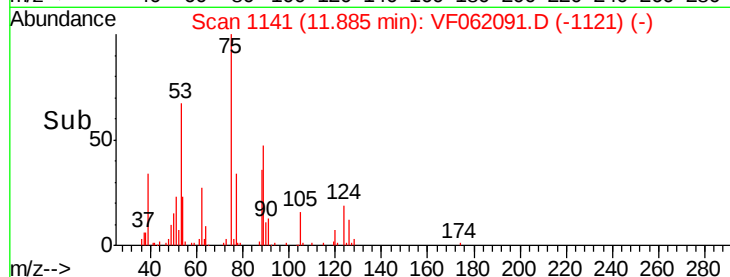
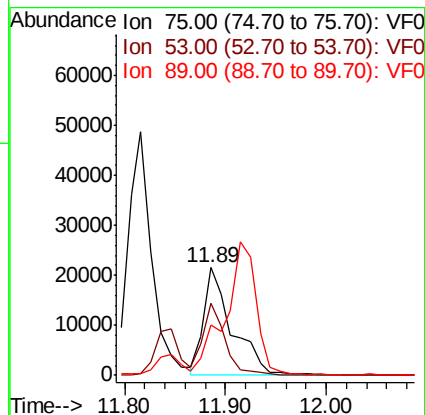
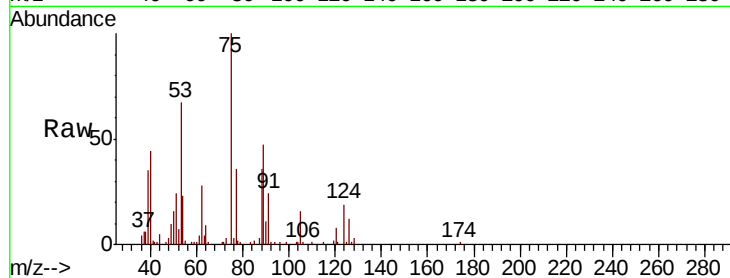
Tot Ion: 75 Resp: 42947

Ion Ratio Lower Upper

75 100

53 66.6 49.4 74.0

89 46.5 40.6 60.8



#82

4-Chlorotoluene

Concen: 55.602 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF062091.D

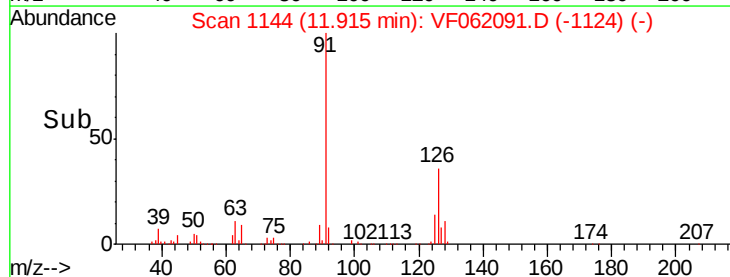
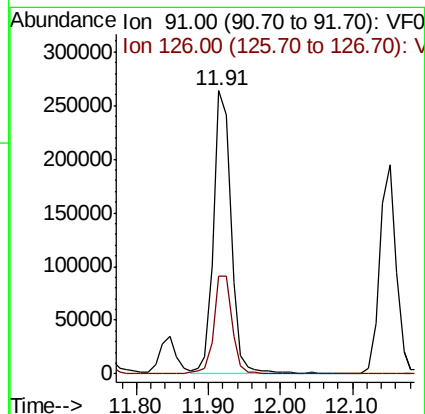
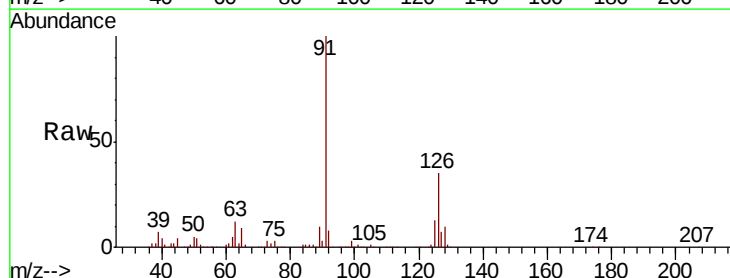
Acq: 22 Mar 2019 19:46

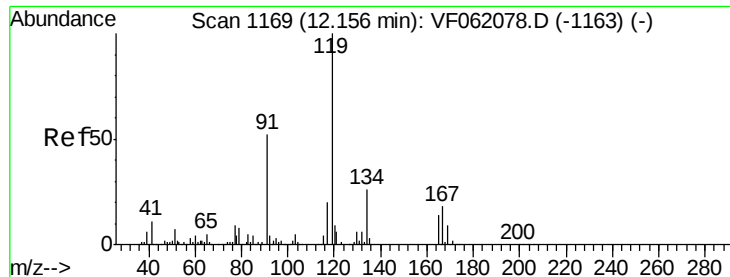
Tgt Ion: 91 Resp: 442113

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6

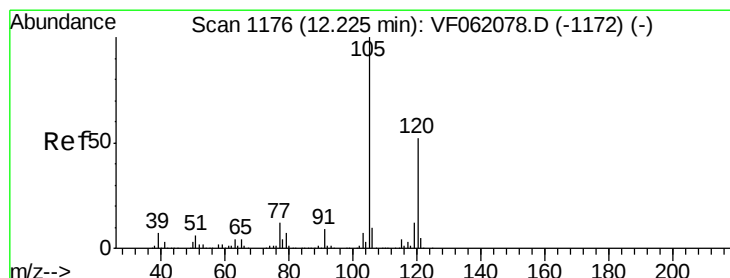
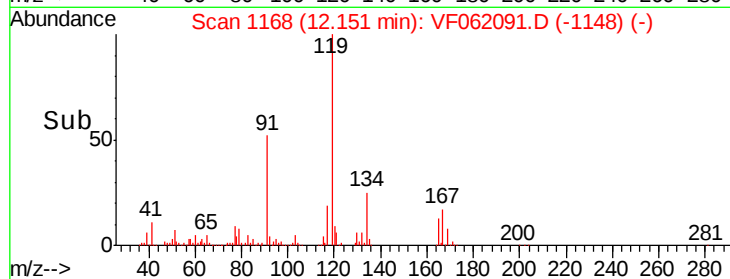
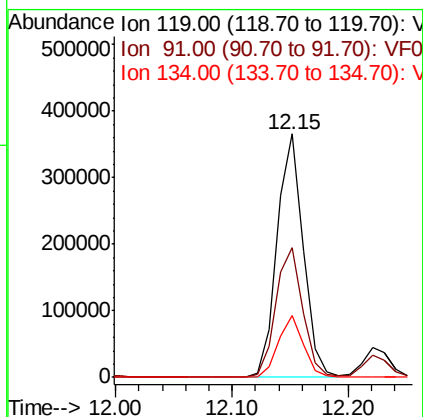
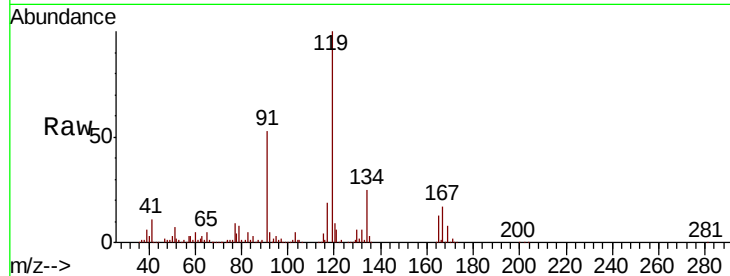




#83
 tert-Butylbenzene
 Concen: 55.062 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

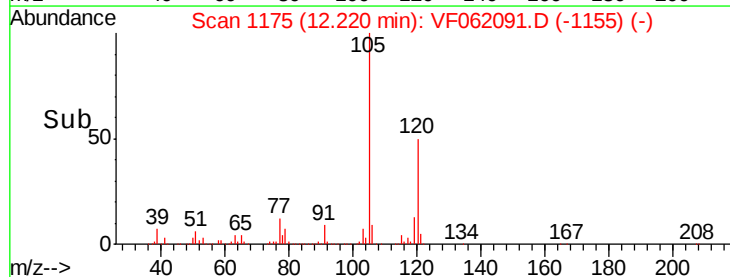
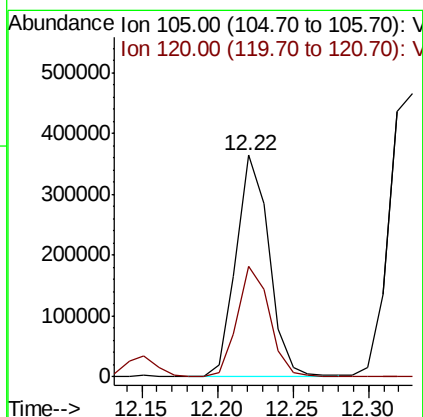
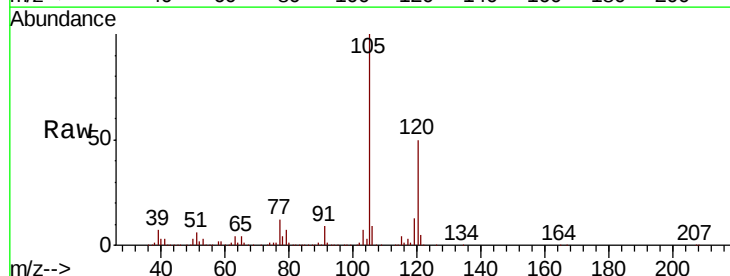
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

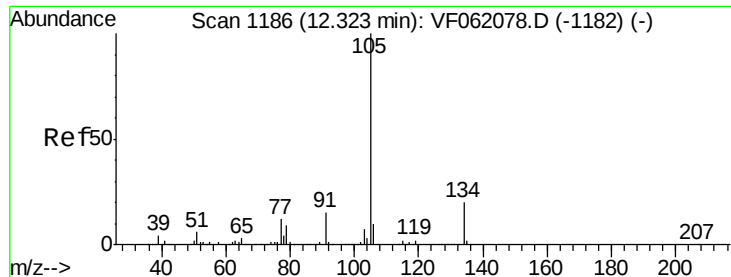
Tot Ion:119 Resp: 569670
 Ion Ratio Lower Upper
 119 100
 91 53.3 26.1 78.2
 134 25.2 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 57.134 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion:105 Resp: 553561
 Ion Ratio Lower Upper
 105 100
 120 50.1 26.1 78.2





#85

sec-Butylbenzene

Concen: 56.364 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

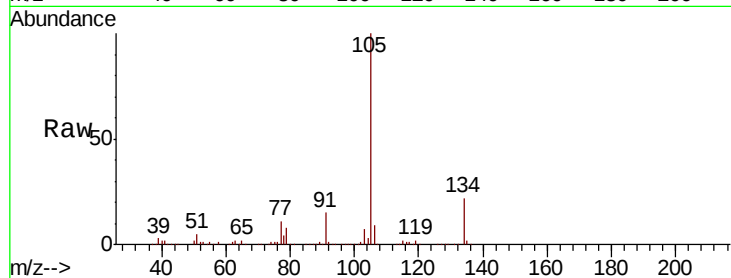
VSTDCCC050EC

Tot Ion:105 Resp: 754383

Ion Ratio Lower Upper

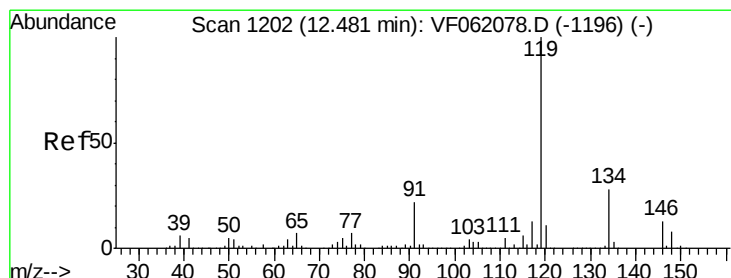
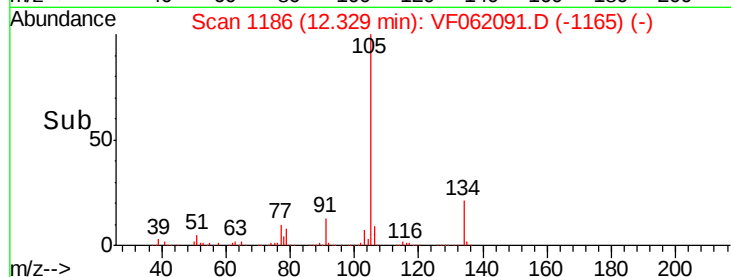
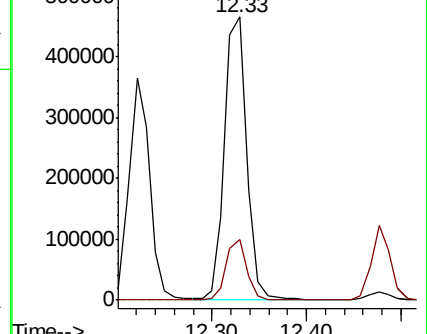
105 100

134 21.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.668 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

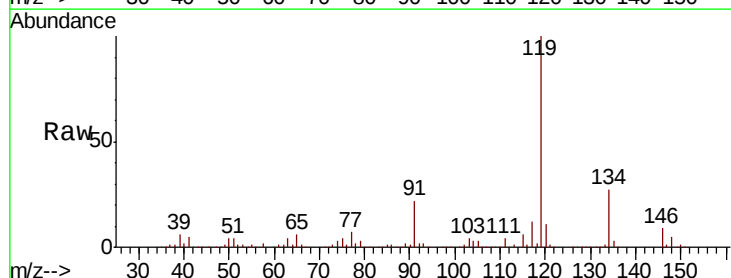
Tgt Ion:119 Resp: 657108

Ion Ratio Lower Upper

119 100

134 26.5 14.0 42.0

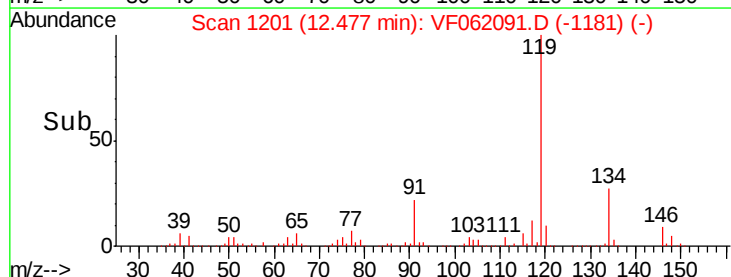
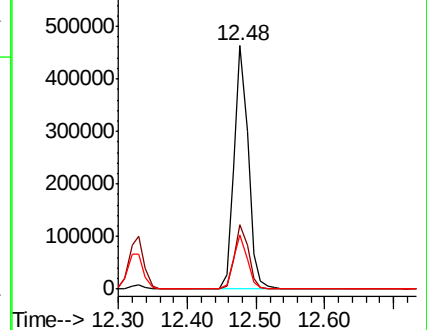
91 22.2 10.8 32.4

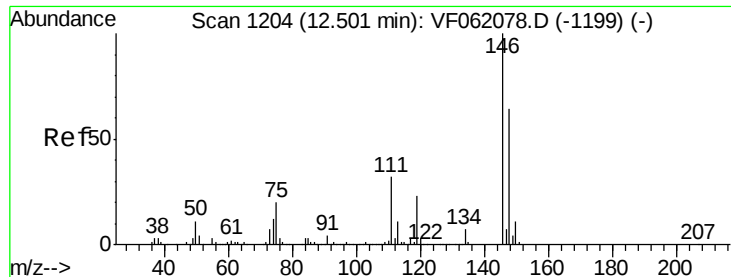


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

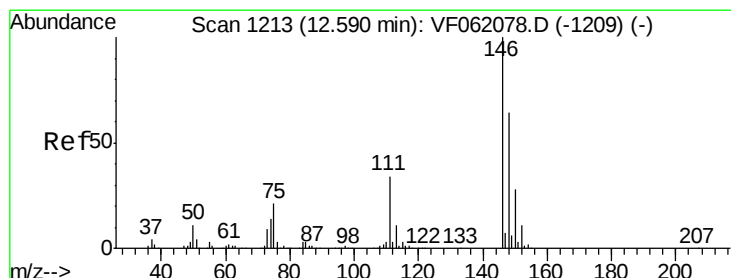
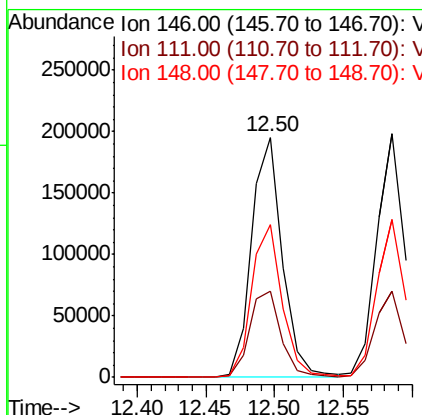
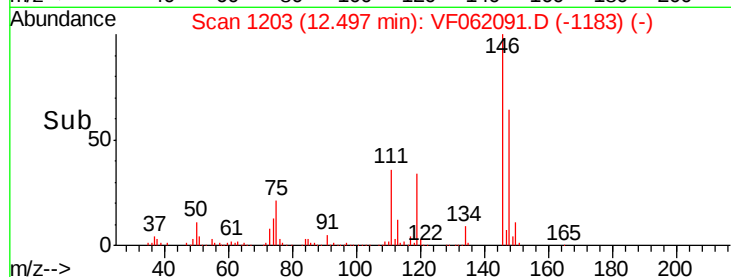
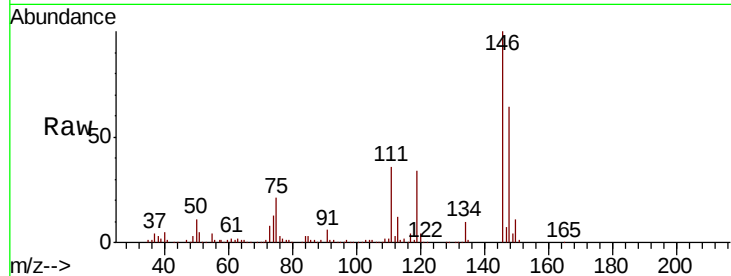




#87
 1,3-Dichlorobenzene
 Concen: 56.058 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

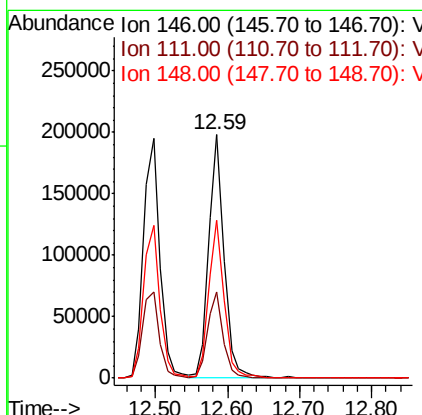
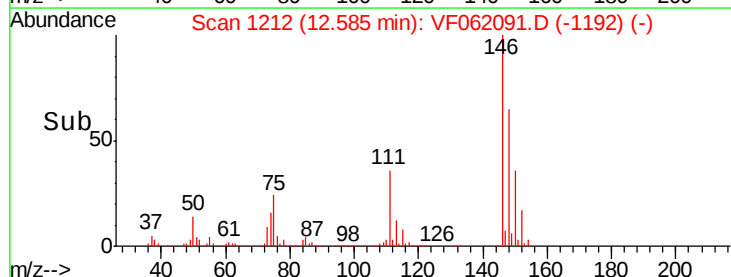
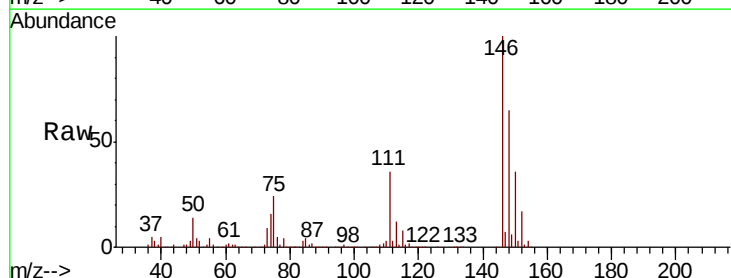
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

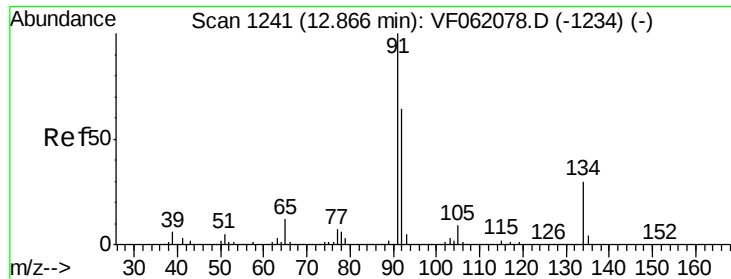
Tot Ion:146 Resp: 305741
 Ion Ratio Lower Upper
 146 100
 111 35.8 16.1 48.3
 148 63.5 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 55.124 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion:146 Resp: 293367
 Ion Ratio Lower Upper
 146 100
 111 35.7 16.9 50.6
 148 64.8 31.9 95.7

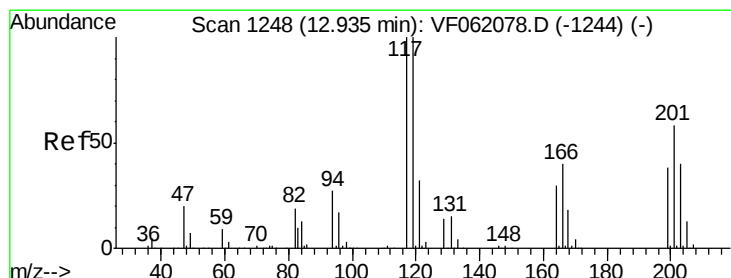
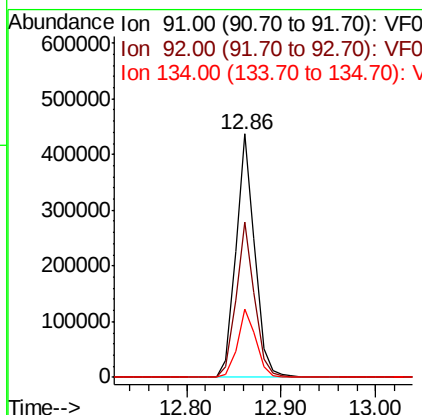
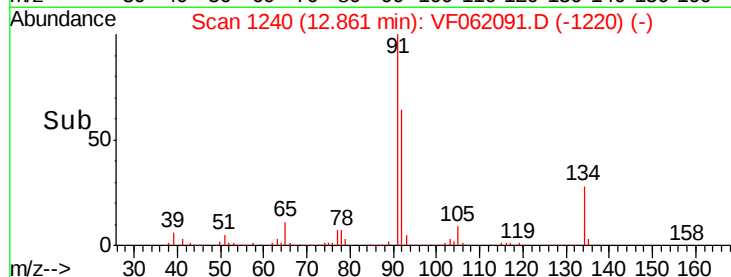
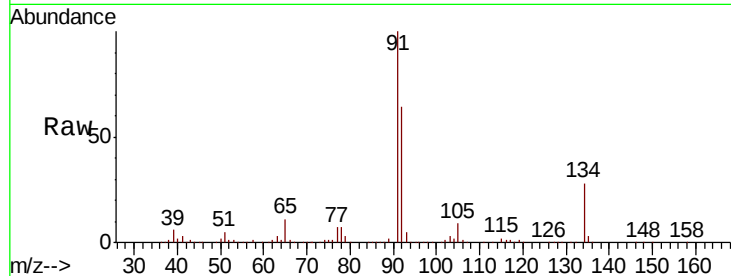




#89
n-Butylbenzene
Concen: 54.410 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

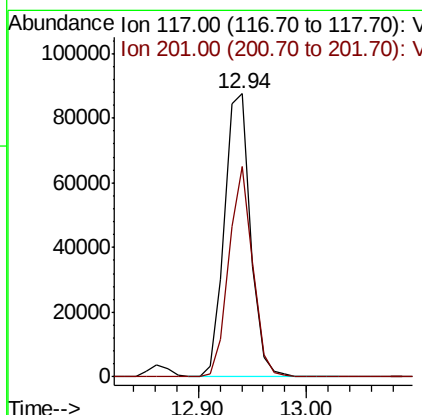
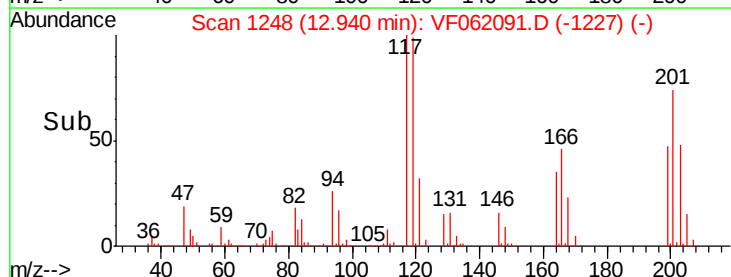
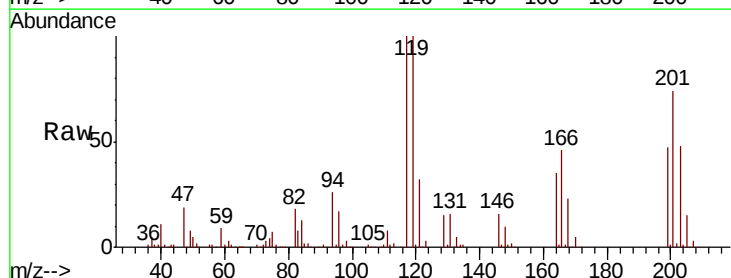
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

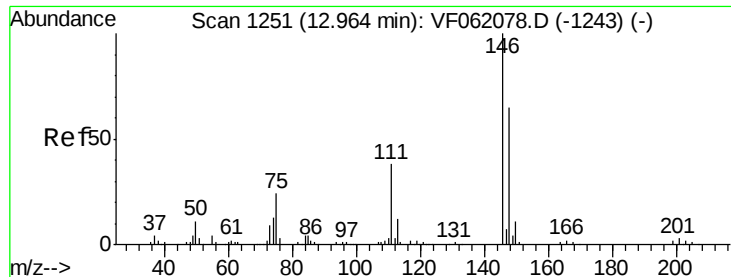
Tot Ion: 91 Resp: 601934
Ion Ratio Lower Upper
91 100
92 63.6 31.9 95.5
134 27.9 14.9 44.9



#90
Hexachloroethane
Concen: 53.412 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 117 Resp: 147475
Ion Ratio Lower Upper
117 100
201 74.1 28.7 86.1

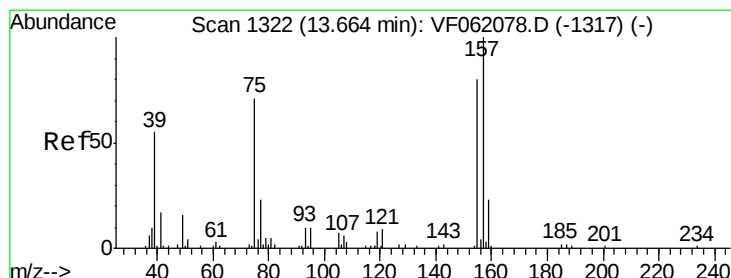
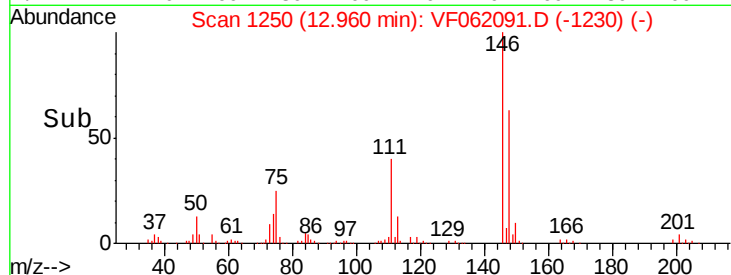
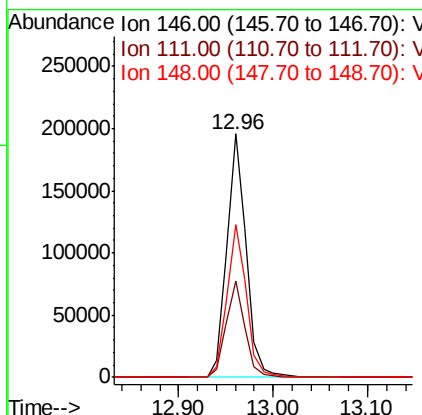
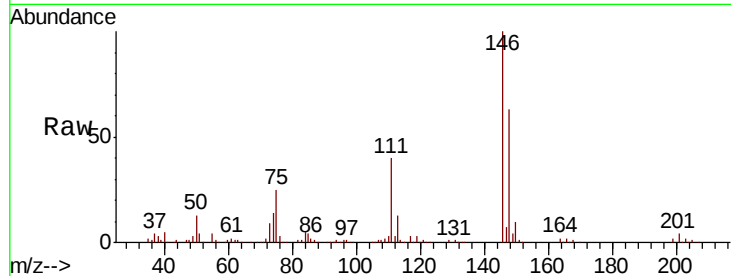




#91
 1,2-Dichlorobenzene
 Concen: 53.575 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

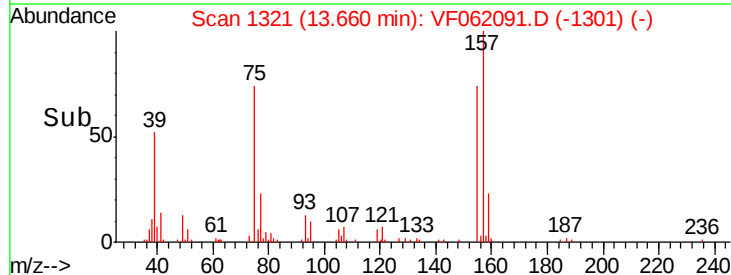
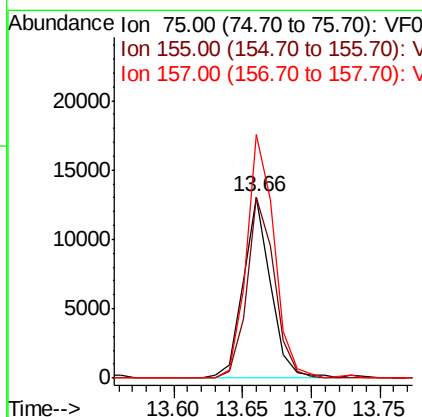
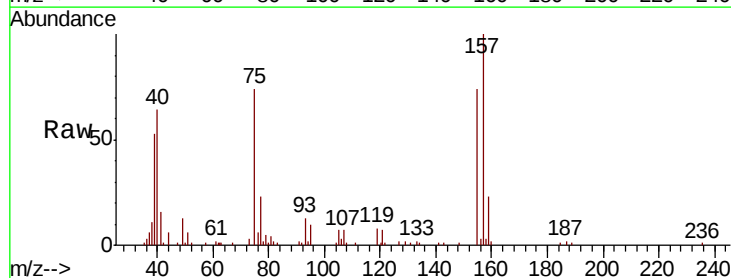
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

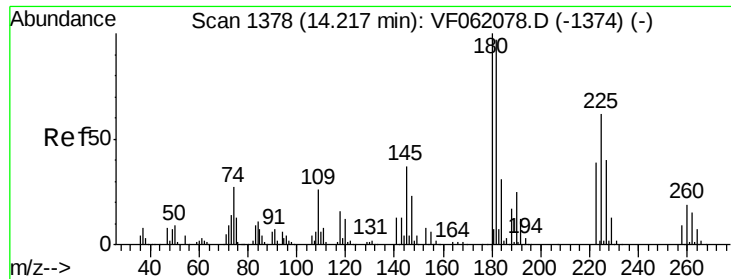
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	62.9	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.991 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	56.1	168.4
157	134.3	70.4	211.2

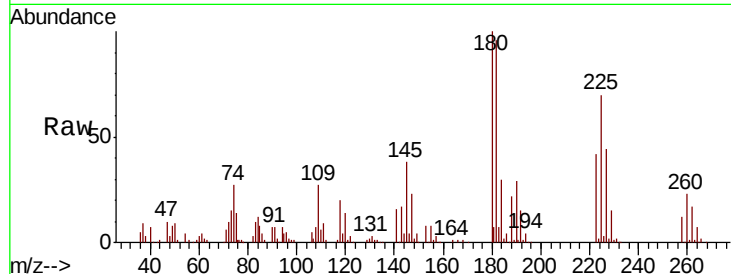




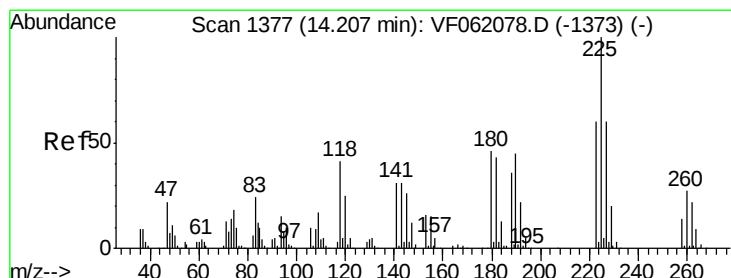
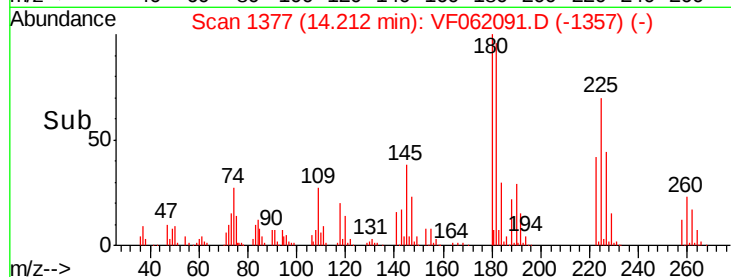
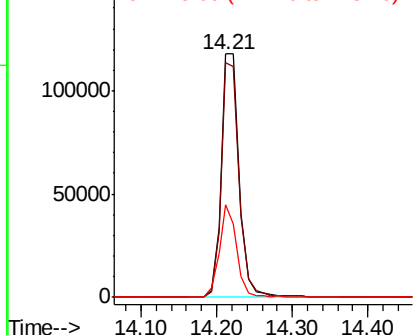
#93
 1,2,4-Trichlorobenzene
 Concen: 55.186 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 196970
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.7 146.1
 145 38.2 18.3 54.8

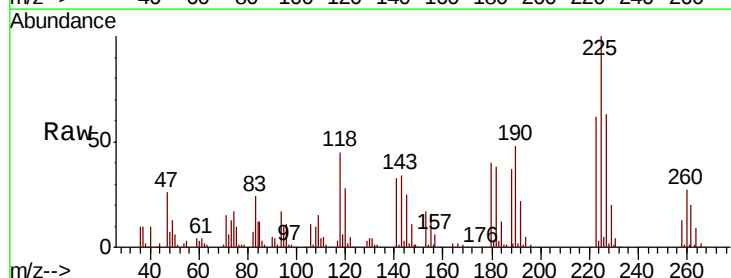


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

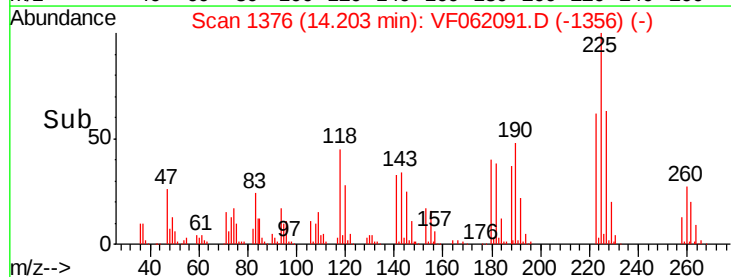
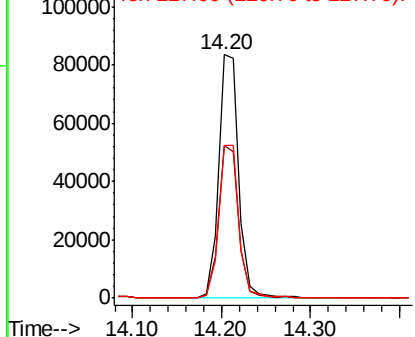


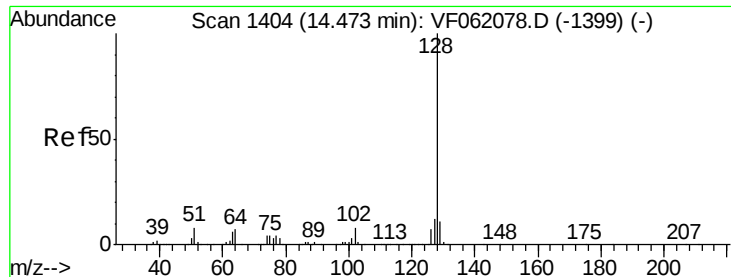
#94
 Hexachlorobutadiene
 Concen: 55.391 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion:225 Resp: 131453
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.0 90.0
 227 62.6 30.2 90.6



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





#95

Naphthalene

Concen: 57.471 ug/l

RT: 14.48 min Scan# 1404

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

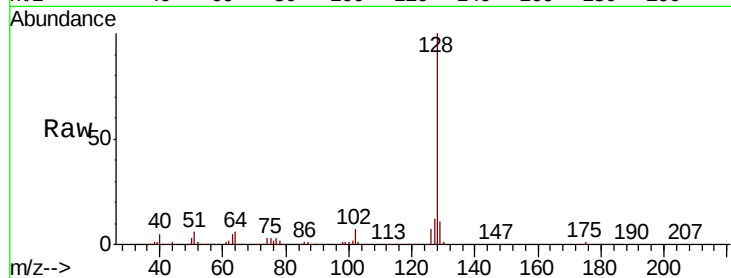
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 359467

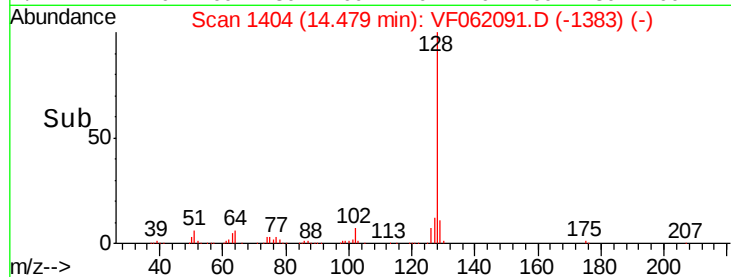
Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.5	14.3
129	10.9	8.7	13.1



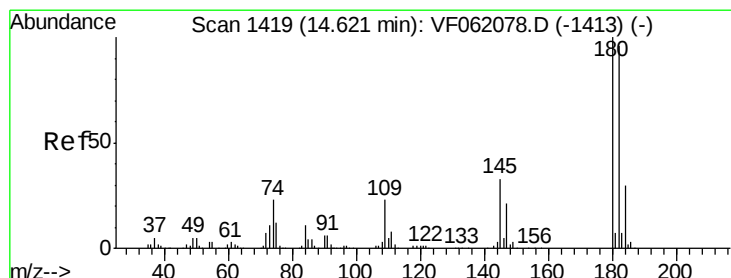
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 56.687 ug/l

RT: 14.62 min Scan# 1418

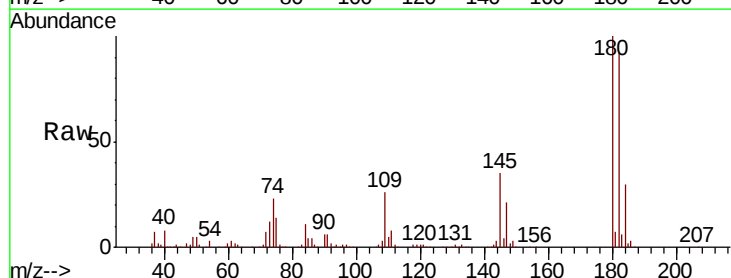
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:180 Resp: 189391

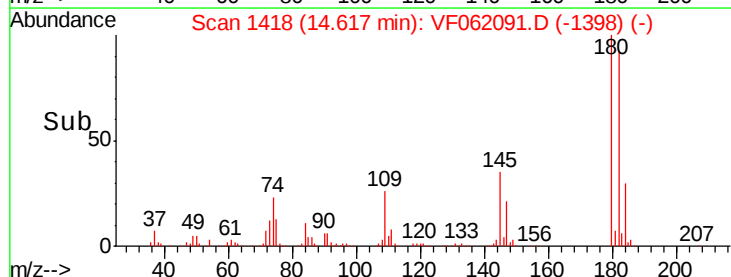
Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.9	143.7
145	35.3	16.6	49.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->