

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062142.D
 Acq On : 26 Mar 2019 13:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 27 05:14:06 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	4.85	168	265007	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	414300	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	343118	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	180677	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	96907	49.16	ug/l	-0.06
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	4.10	113	135880	48.48	ug/l	-0.05
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	7.53	98	407784	48.74	ug/l	-0.06
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.40	95	157370	48.73	ug/l	-0.04
Spiked Amount			Recovery	=	97.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	159804	47.071	ug/l	96
3) Chloromethane	1.09	50	168781	47.513	ug/l	100
4) Vinyl Chloride	1.14	62	157279	47.866	ug/l	99
5) Bromomethane	1.31	94	110791	46.906	ug/l	92
6) Chloroethane	1.39	64	83797	50.661	ug/l	100
7) Trichlorofluoromethane	1.48	101	207713	52.342	ug/l	96
8) Diethyl Ether	1.62	74	41273	45.531	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	134126	49.542	ug/l	95
10) Methyl Iodide	1.90	142	205789	40.000	ug/l	95
11) Tert butyl alcohol	2.56	59	25998	239.710	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	128579	50.335	ug/l	93
13) Acrolein	2.00	56	35247	270.261	ug/l	89
14) Allyl chloride	2.09	41	153256	56.194	ug/l	97
15) Acrylonitrile	2.92	53	86226	226.088	ug/l	99
16) Acetone	2.22	43	119213	287.358	ug/l	96
17) Carbon Disulfide	1.81	76	389781	50.039	ug/l	100
18) Methyl Acetate	2.33	43	47358	47.856	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	193804	48.003	ug/l	98
20) Methylene Chloride	2.17	84	52950	19.253	ug/l	98
21) trans-1,2-Dichloroethene	2.29	96	127644	51.934	ug/l	94
22) Diisopropyl ether	2.79	45	358051	50.074	ug/l	98
23) Vinyl Acetate	3.17	43	744249	254.216	ug/l	97
24) 1,1-Dichloroethane	2.86	63	215286	50.206	ug/l	100
25) 2-Butanone	4.32	43	220703	254.832	ug/l	97
26) 2,2-Dichloropropane	3.58	77	92814	53.385	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	156029	47.907	ug/l	98
28) Bromochloromethane	3.70	49	90733	51.789	ug/l	97
29) Tetrahydrofuran	4.05	42	83481	221.697	ug/l	98
30) Chloroform	3.84	83	228669	50.460	ug/l	95
31) Cyclohexane	3.67	56	214890	47.983	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	135867	49.287	ug/l	99
36) 1,1-Dichloropropene	4.26	75	189530	48.028	ug/l	98
37) Ethyl Acetate	4.09	43	77739	45.076	ug/l	92
38) Carbon Tetrachloride	3.97	117	139832	51.990	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215969	47.155	ug/l	95
40) Benzene	4.61	78	504159	47.657	ug/l	98
41) Methacrylonitrile	4.73	41	39924	43.752	ug/l	95
42) 1,2-Dichloroethane	4.92	62	126916	50.732	ug/l	96
43) Isopropyl Acetate	6.94	43	95002	45.486	ug/l	97
44) Trichloroethene	5.48	130	153944	47.596	ug/l	99
45) 1,2-Dichloropropane	6.22	63	126256	50.038	ug/l	90
46) Dibromomethane	6.07	93	73028	47.336	ug/l	96
47) Bromodichloromethane	6.37	83	162695	47.610	ug/l	99
48) Methyl methacrylate	6.69	41	54656	45.961	ug/l	97
49) 1,4-Dioxane	6.68	88	10370	993.802	ug/l	96
51) 4-Methyl-2-Pentanone	8.24	43	333417	238.510	ug/l	99
52) Toluene	7.60	92	305901	49.923	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	139229	51.901	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	188214	49.036	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	82966	47.669	ug/l	96
56) Ethyl methacrylate	8.60	69	96546	46.512	ug/l	96
57) 1,3-Dichloropropane	8.83	76	144340	49.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	79202	251.457	ug/l	94
59) 2-Hexanone	9.47	43	234231	228.620	ug/l	98
60) Dibromochloromethane	8.69	129	125313	51.792	ug/l	97
61) 1,2-Dibromoethane	8.97	107	91542	49.299	ug/l	98
64) Tetrachloroethene	8.13	164	132855	50.118	ug/l	94
65) Chlorobenzene	9.78	112	323261	50.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	131895	51.146	ug/l	99
67) Ethyl Benzene	9.88	91	566454	50.735	ug/l	98
68) m/p-Xylenes	10.11	106	417203	99.977	ug/l	97
69) o-Xylene	10.70	106	223376	51.109	ug/l	98
70) Styrene	10.77	104	325727	49.188	ug/l	98
71) Bromoform	10.75	173	64781	49.113	ug/l	99
73) Isopropylbenzene	11.11	105	618725	48.666	ug/l	100
74) N-amyl acetate	11.36	43	147916	48.828	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	106517	48.795	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	40651	26.461	ug/l	99
77) Bromobenzene	11.48	156	148759	47.892	ug/l	96
78) n-propylbenzene	11.58	91	723033	48.977	ug/l	96
79) 2-Chlorotoluene	11.70	91	402138	49.008	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	525960	50.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	40651	64.938	ug/l	100
82) 4-Chlorotoluene	11.88	91	405127	48.153	ug/l	98
83) tert-Butylbenzene	12.12	119	570760	52.138	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	516459	50.378	ug/l	100
85) sec-Butylbenzene	12.29	105	710842	50.195	ug/l	98
86) p-Isopropyltoluene	12.44	119	629468	51.304	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	285908	49.544	ug/l	94
88) 1,4-Dichlorobenzene	12.55	146	277279	49.240	ug/l	98
89) n-Butylbenzene	12.84	91	580962	49.631	ug/l	98
90) Hexachloroethane	12.90	117	153947	52.695	ug/l	83
91) 1,2-Dichlorobenzene	12.92	146	266133	49.113	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	16294	49.263	ug/l	81

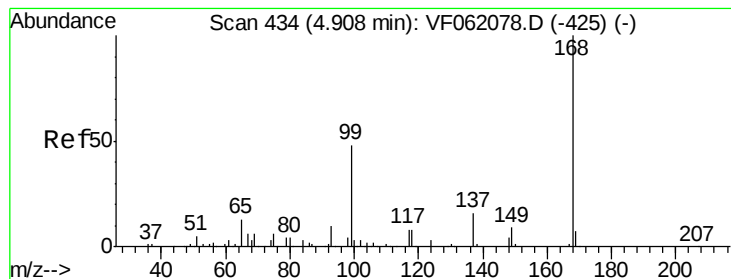
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	190702	50.496	ug/l	98
94) Hexachlorobutadiene	14.18	225	131994	52.565	ug/l	96
95) Naphthalene	14.44	128	328419	49.624	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	178518	50.499	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

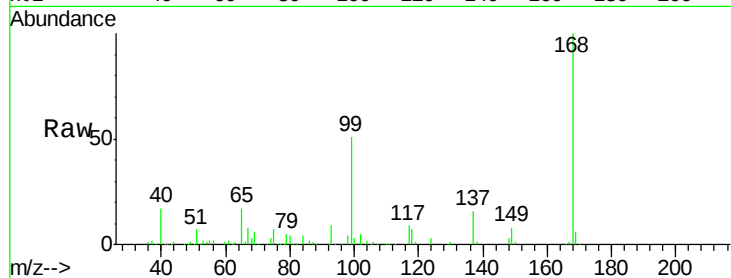
VSTDCCC050

Tot Ion:168 Resp: 265007

Ion Ratio Lower Upper

168 100

99 50.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

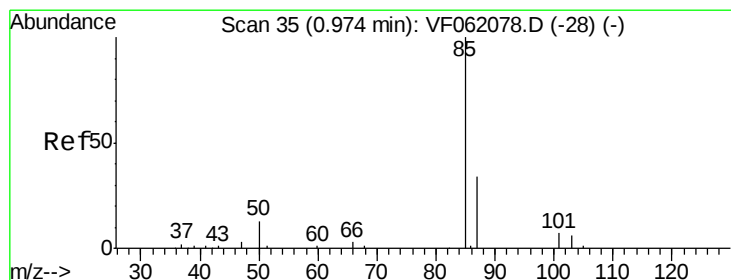
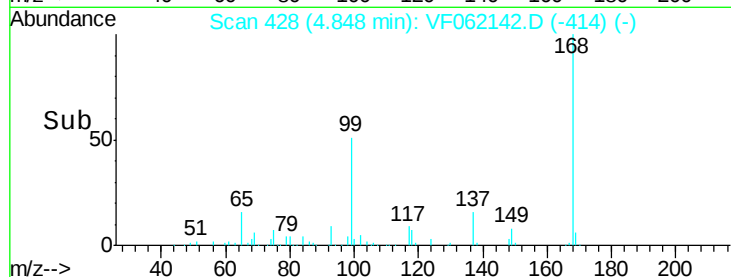
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 47.071 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062142.D

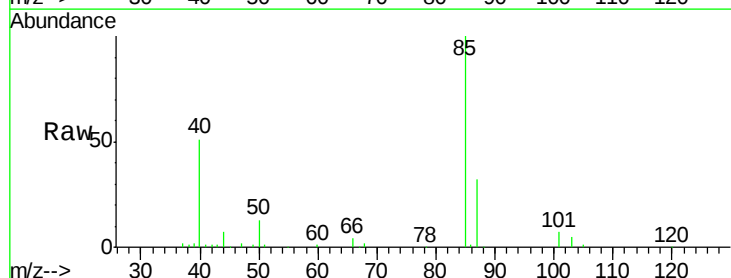
Acq: 26 Mar 2019 13:05

Tgt Ion: 85 Resp: 159804

Ion Ratio Lower Upper

85 100

87 31.6 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

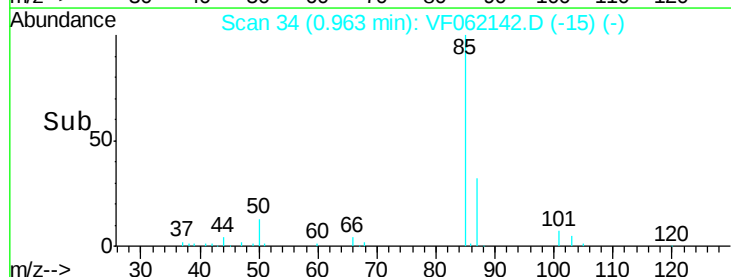
30000

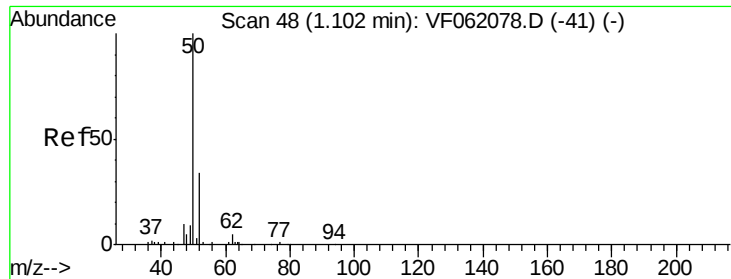
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20

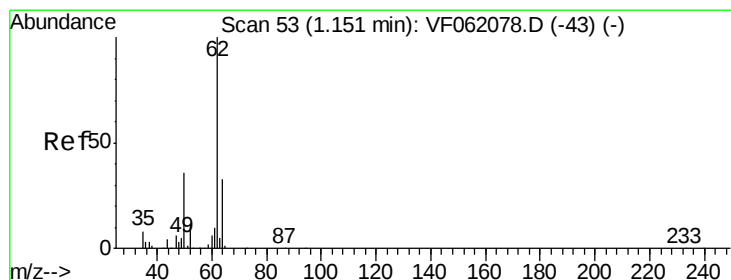
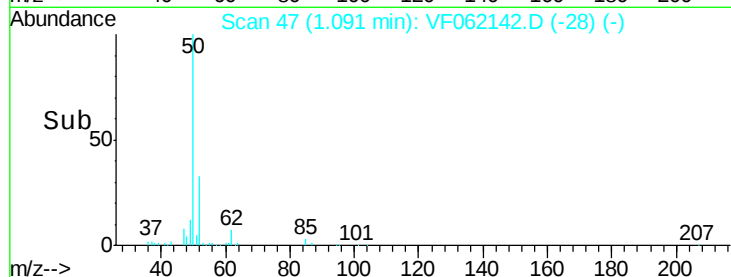
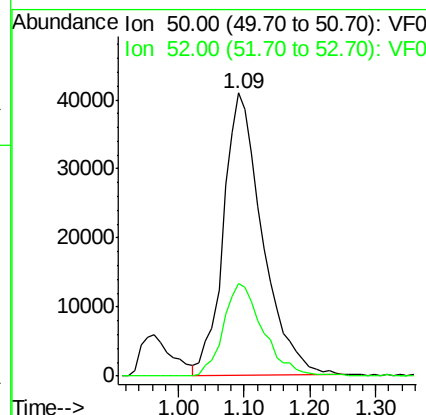
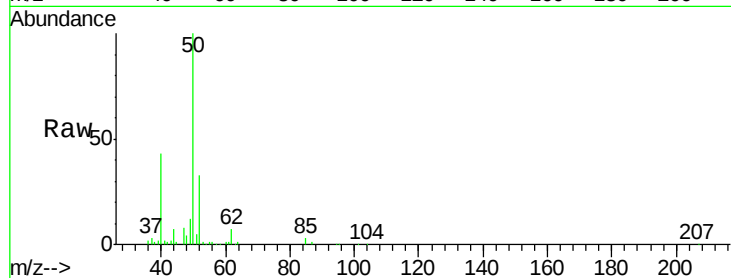




#3
Chloromethane
Concen: 47.513 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.01 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

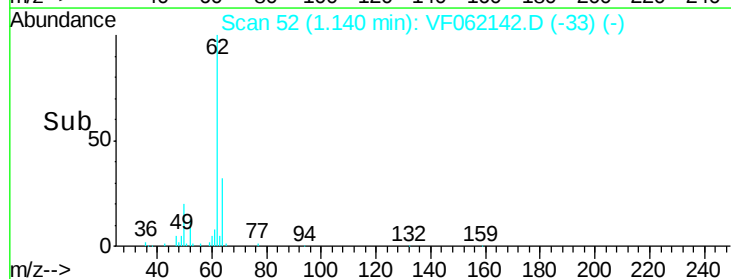
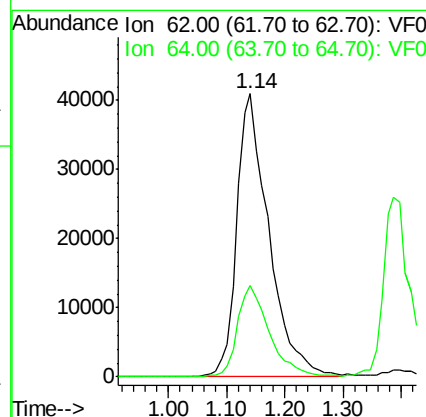
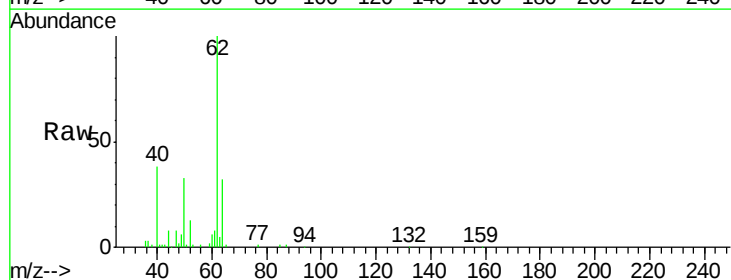
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

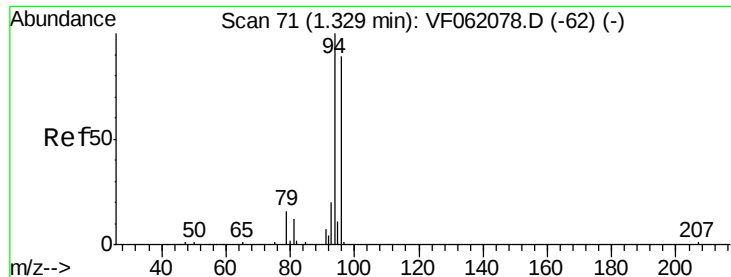
Tot Ion: 50 Resp: 168781
Ion Ratio Lower Upper
50 100
52 32.7 26.1 39.1



#4
Vinyl Chloride
Concen: 47.866 ug/l
RT: 1.14 min Scan# 52
Delta R.T. -0.01 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion: 62 Resp: 157279
Ion Ratio Lower Upper
62 100
64 32.1 26.2 39.2





#5

Bromomethane

Concen: 46.906 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

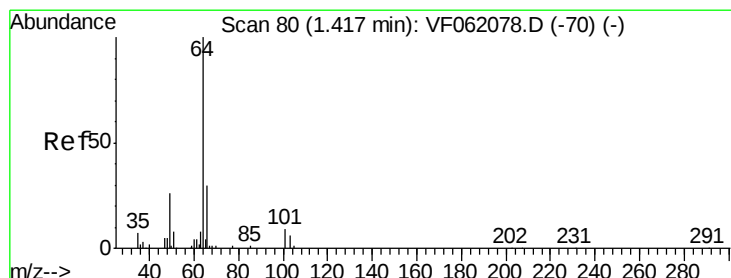
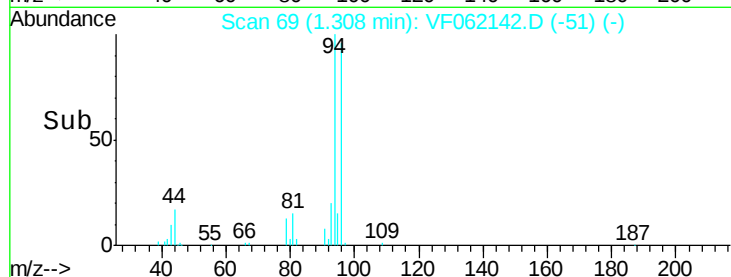
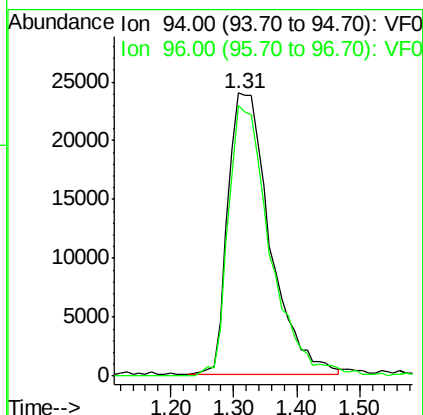
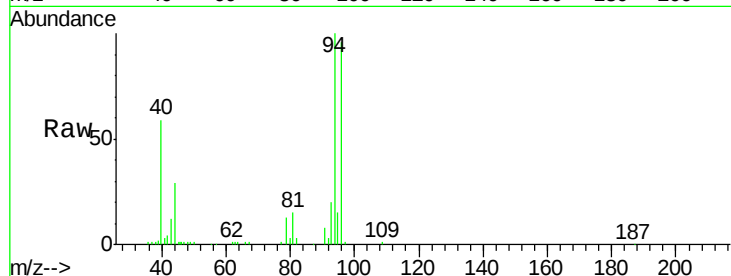
VSTDCCC050

Tot Ion: 94 Resp: 110791

Ion Ratio Lower Upper

94 100

96 95.6 70.9 106.3



#6

Chloroethane

Concen: 50.661 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062142.D

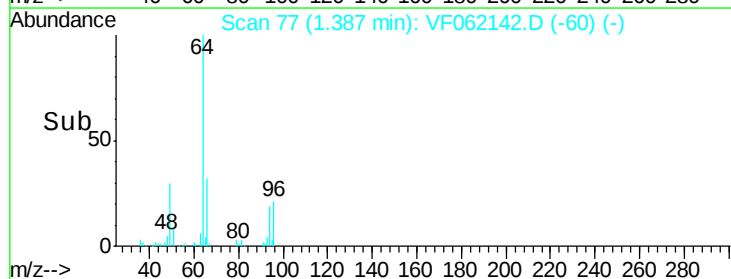
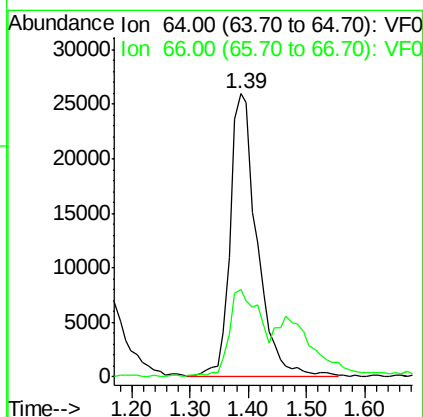
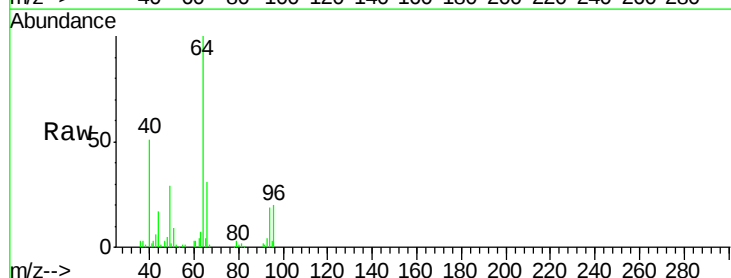
Acq: 26 Mar 2019 13:05

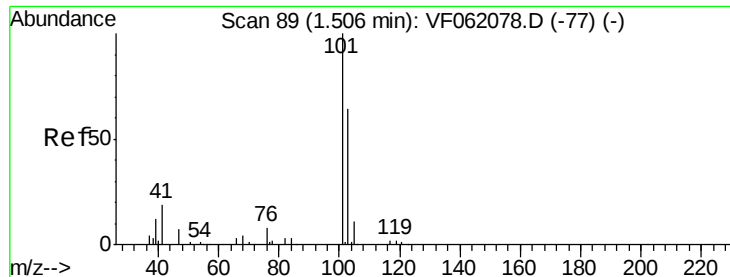
Tgt Ion: 64 Resp: 83797

Ion Ratio Lower Upper

64 100

66 30.8 24.5 36.7



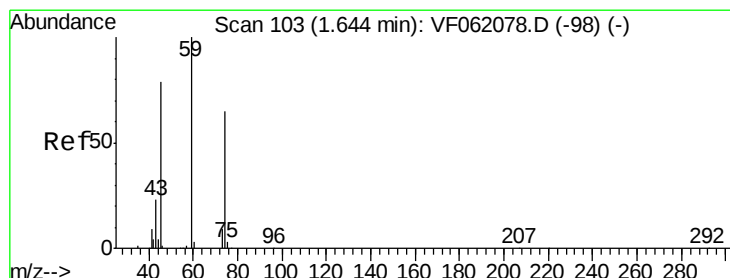
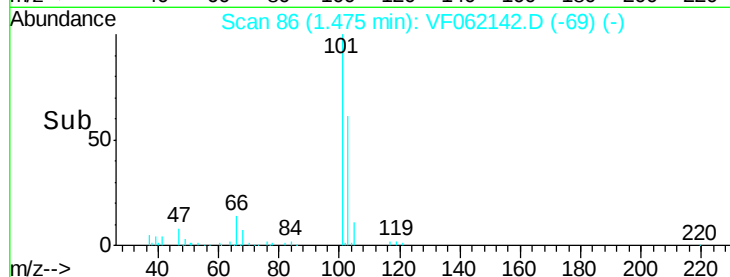
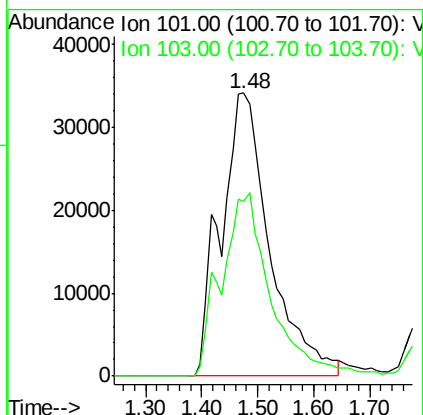
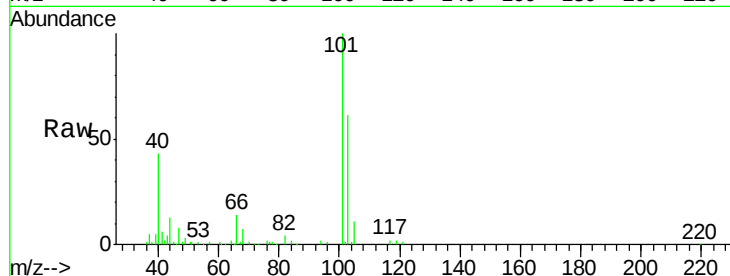


#7

Trichlorofluoromethane
Concen: 52.342 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Instrument :
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ClientSampleId :
VSTDCCC050

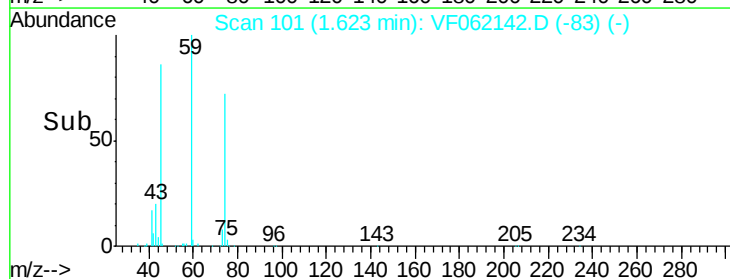
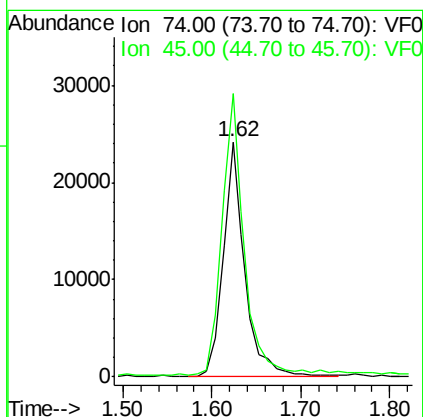
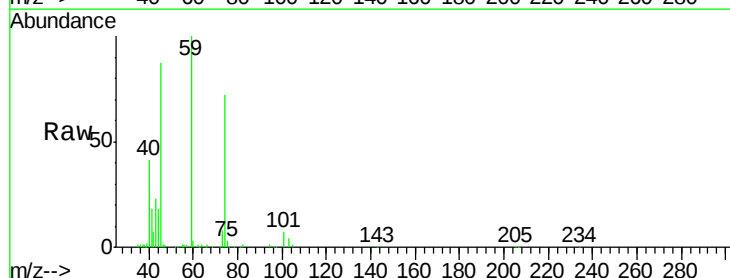
Tot Ion:101 Resp: 207713
Ion Ratio Lower Upper
101 100
103 61.5 51.5 77.3

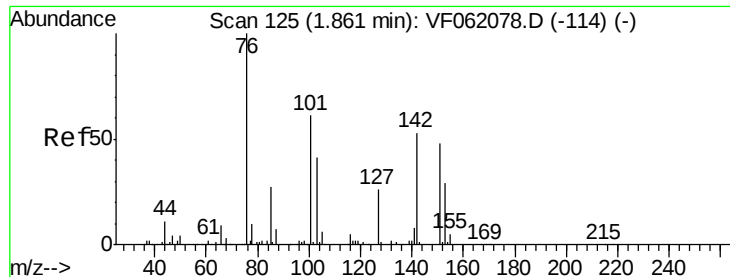


#8

Diethyl Ether
Concen: 45.531 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion: 74 Resp: 41273
Ion Ratio Lower Upper
74 100
45 120.5 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.542 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

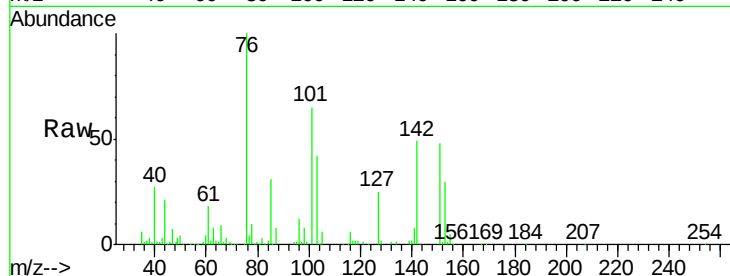
Tot Ion:101 Resp: 134126

Ion Ratio Lower Upper

101 100

85 46.9 34.6 52.0

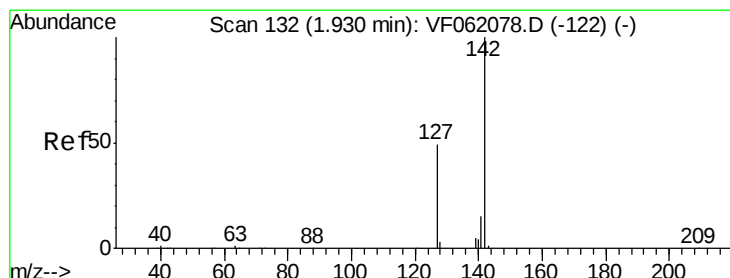
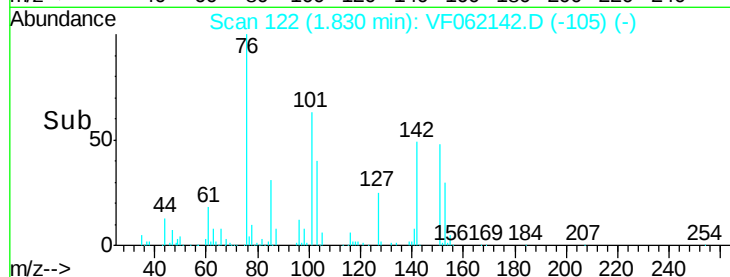
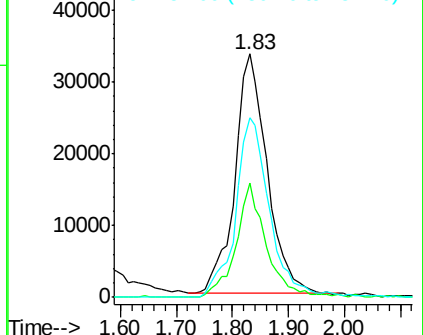
151 73.6 61.7 92.5



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: 40.000 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

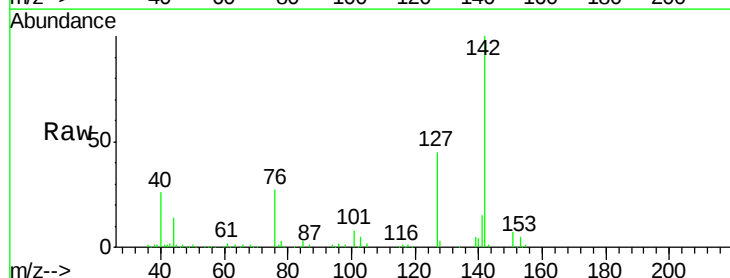
Tgt Ion:142 Resp: 205789

Ion Ratio Lower Upper

142 100

127 44.8 39.1 58.7

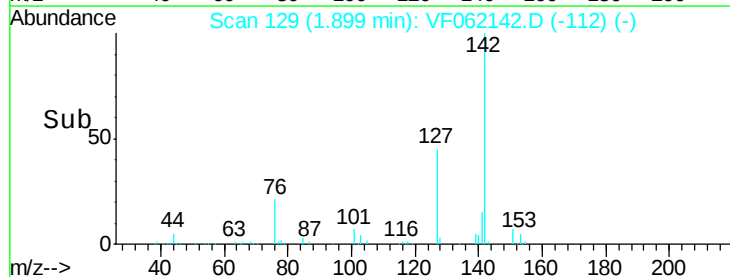
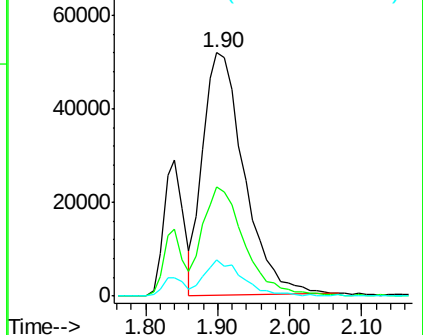
141 14.7 12.2 18.4

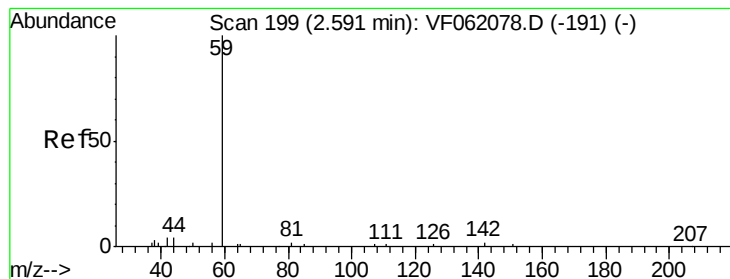


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



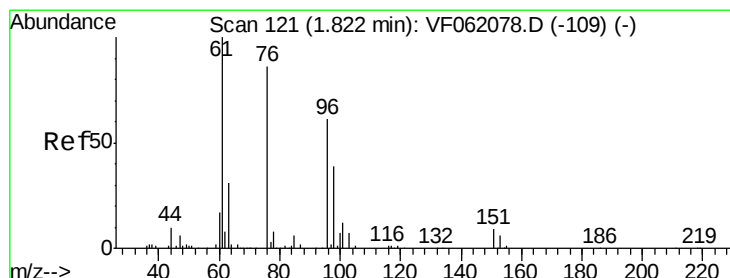
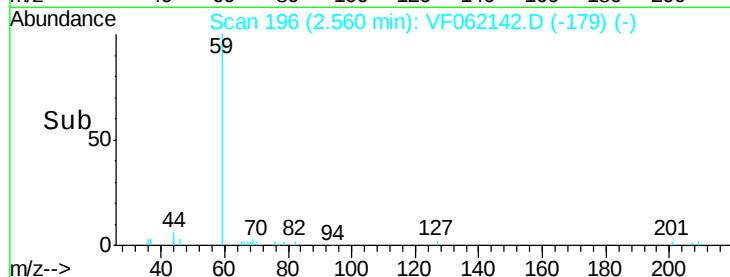
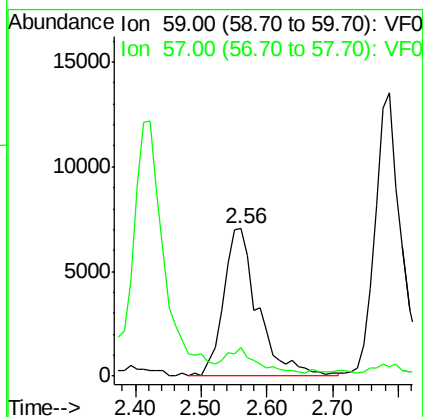
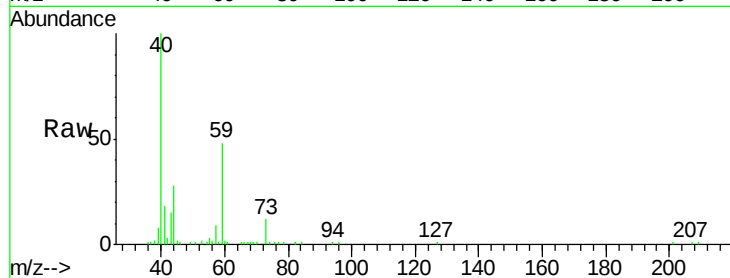


#11

Tert butyl alcohol
Concen: 239.710 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

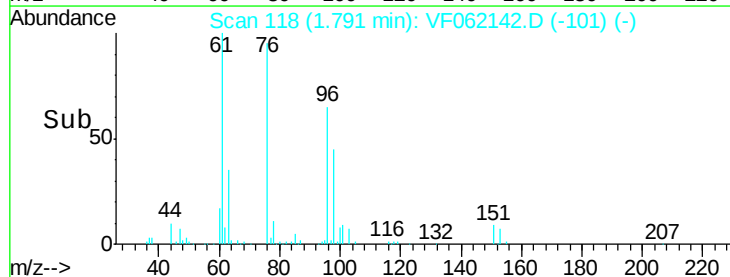
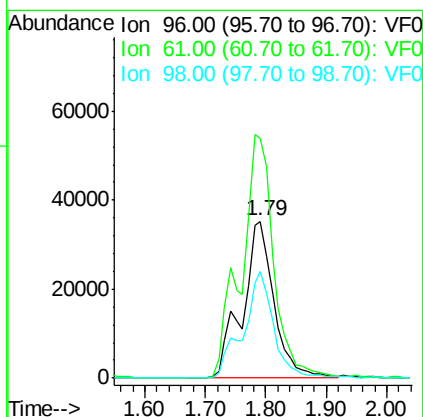
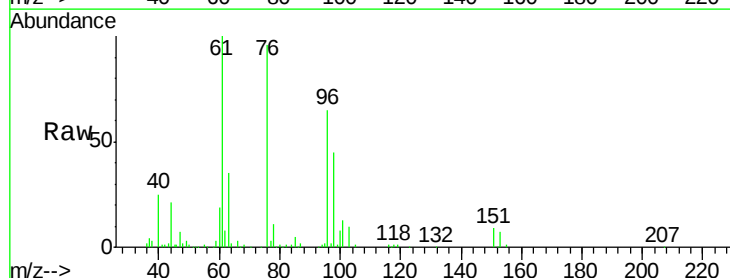
Tot Ion: 59 Resp: 25998
Ion Ratio Lower Upper
59 100
57 19.6 11.0 16.4#

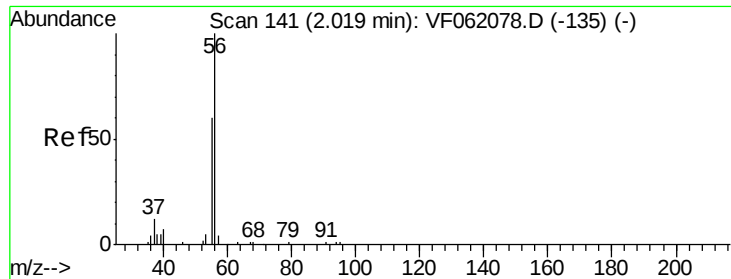


#12

1,1-Dichloroethene
Concen: 50.335 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion: 96 Resp: 128579
Ion Ratio Lower Upper
96 100
61 152.8 131.0 196.6
98 68.2 51.5 77.3





#13

Acrolein

Concen: 270.261 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

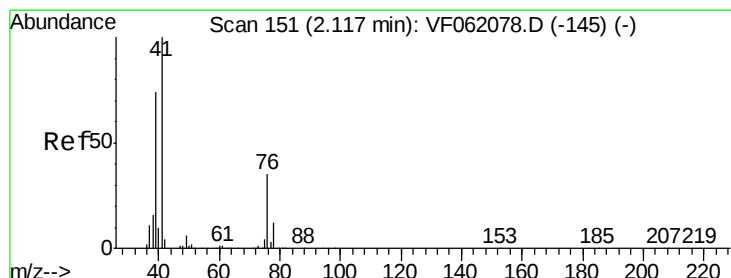
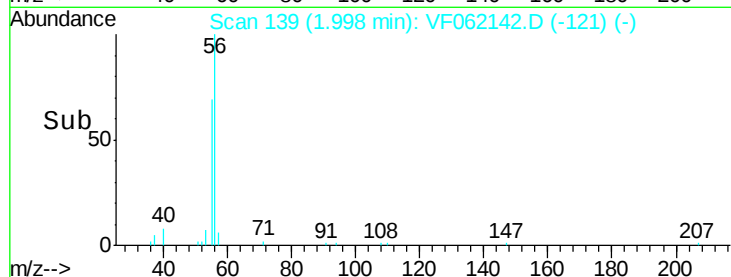
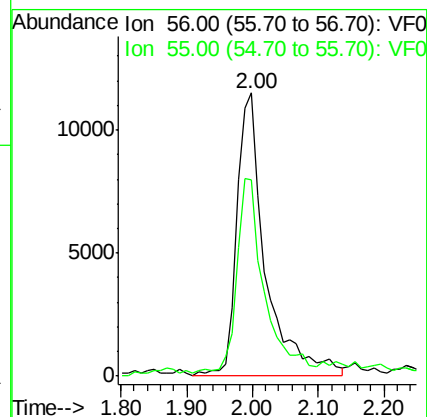
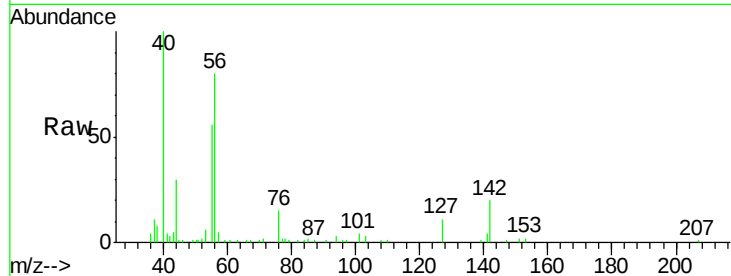
VSTDCCC050

Tot Ion: 56 Resp: 35247

Ion Ratio Lower Upper

56 100

55 69.6 49.0 73.4



#14

Allyl chloride

Concen: 56.194 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

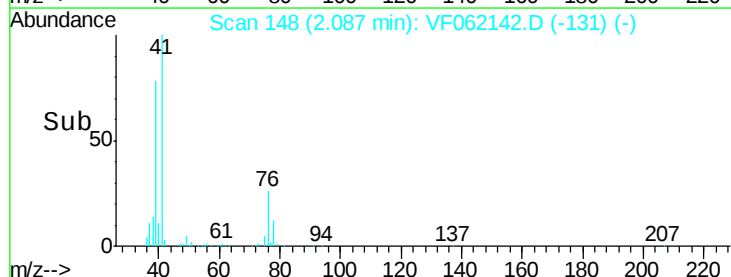
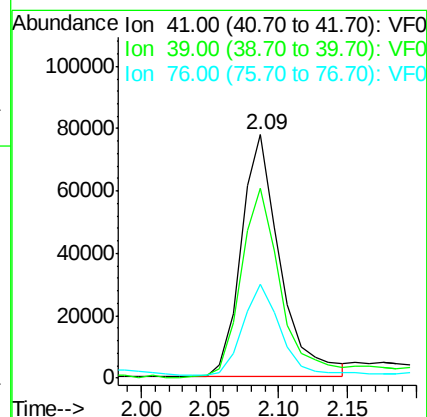
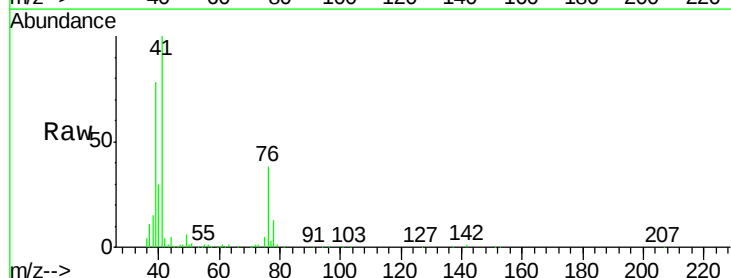
Tgt Ion: 41 Resp: 153256

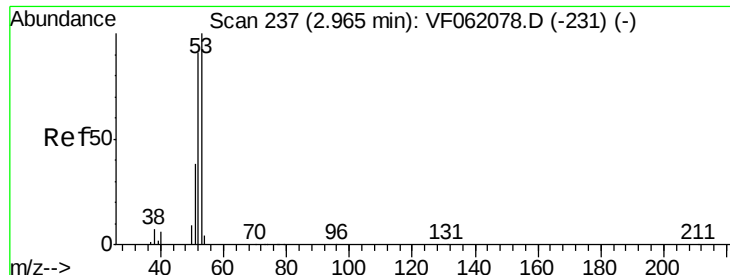
Ion Ratio Lower Upper

41 100

39 77.8 59.8 89.8

76 38.4 30.0 45.0





#15

Acrylonitrile

Concen: 226.088 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

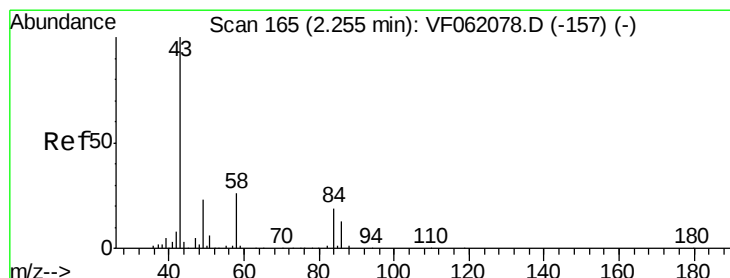
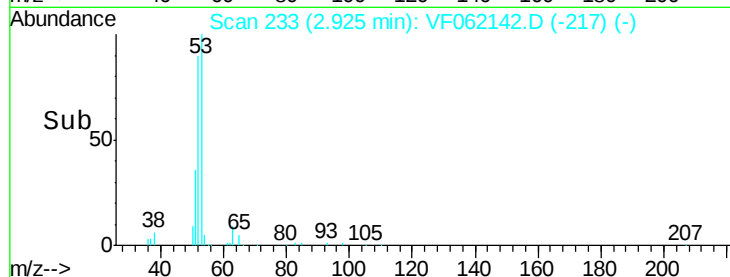
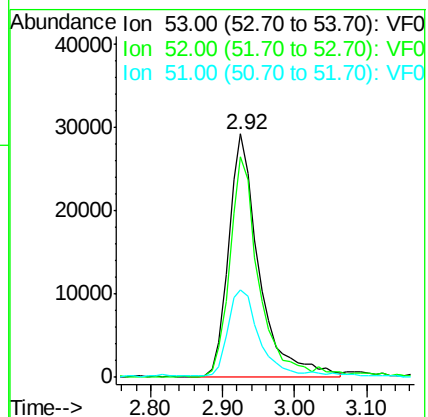
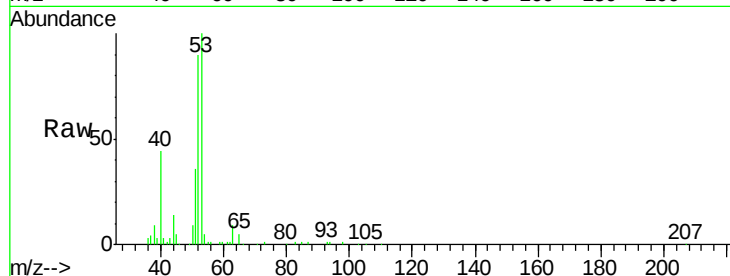
Tot Ion: 53 Resp: 86226

Ion Ratio Lower Upper

53 100

52 90.4 72.3 108.5

51 36.1 30.4 45.6



#16

Acetone

Concen: 287.358 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF062142.D

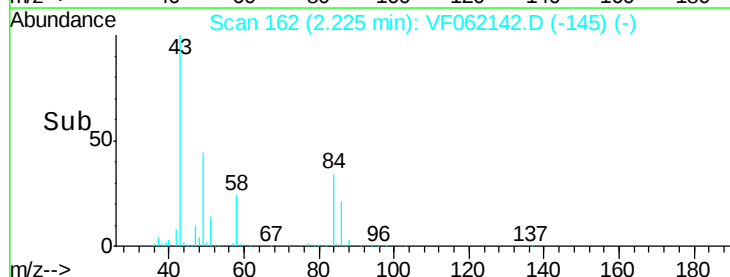
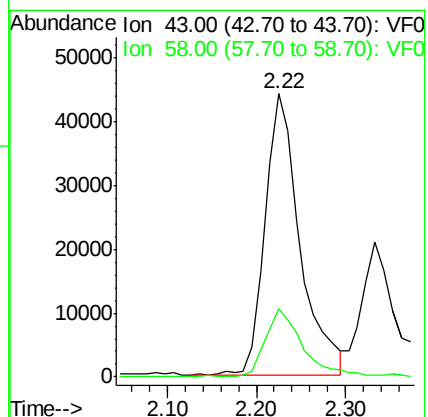
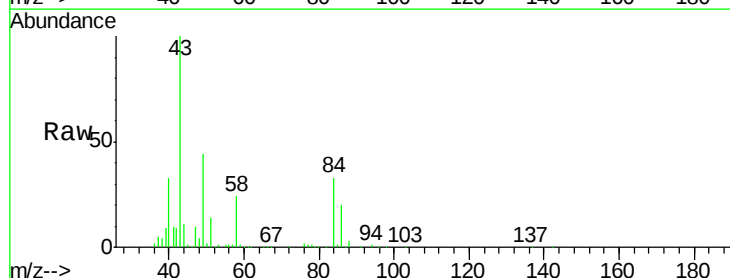
Acq: 26 Mar 2019 13:05

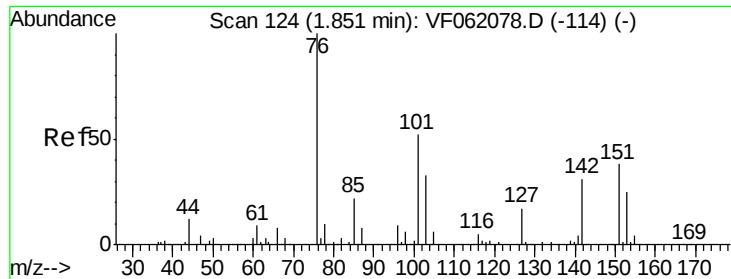
Tgt Ion: 43 Resp: 119213

Ion Ratio Lower Upper

43 100

58 24.0 20.8 31.2

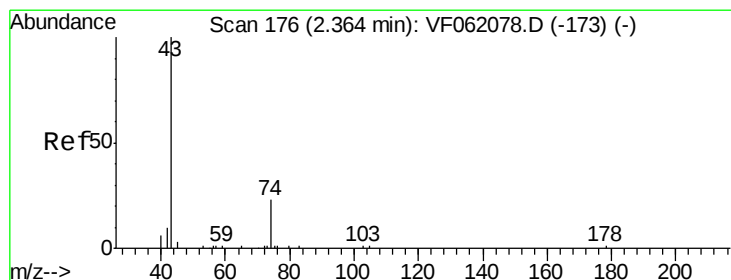
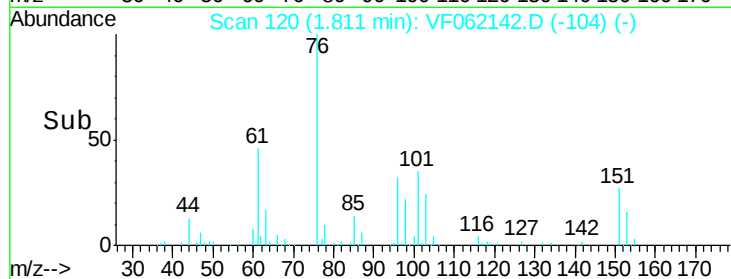
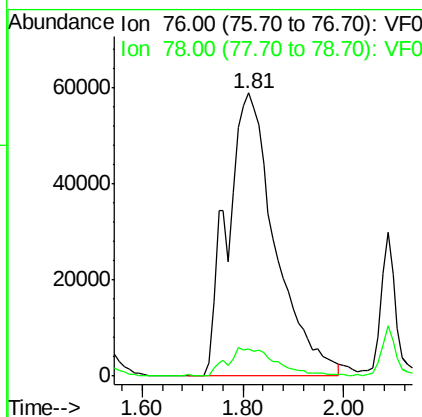
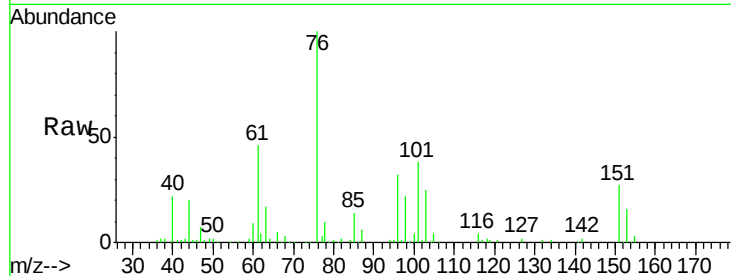




#17
Carbon Disulfide
Concen: 50.039 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

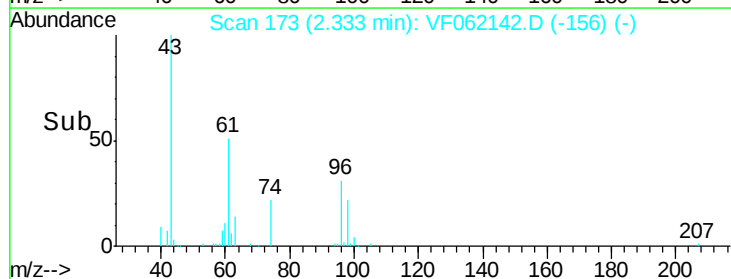
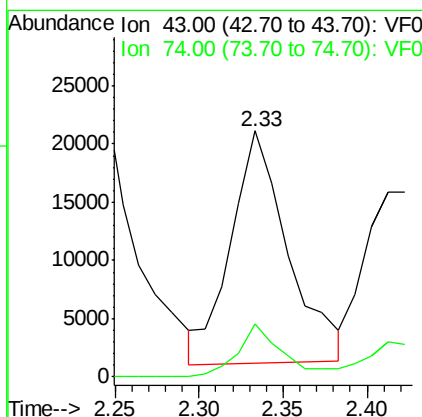
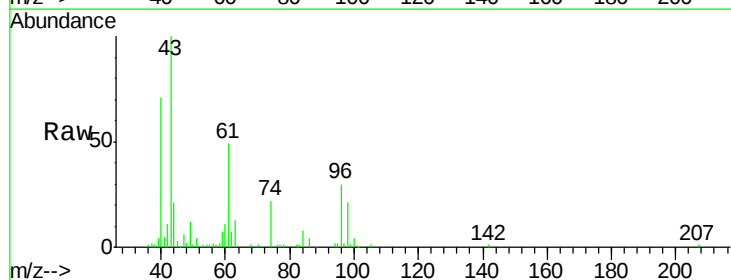
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

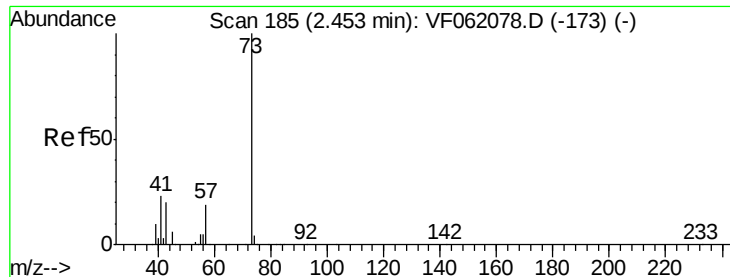
Tot Ion: 76 Resp: 389781
Ion Ratio Lower Upper
76 100
78 9.8 7.9 11.9



#18
Methyl Acetate
Concen: 47.856 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion: 43 Resp: 47358
Ion Ratio Lower Upper
43 100
74 21.8 16.3 24.5



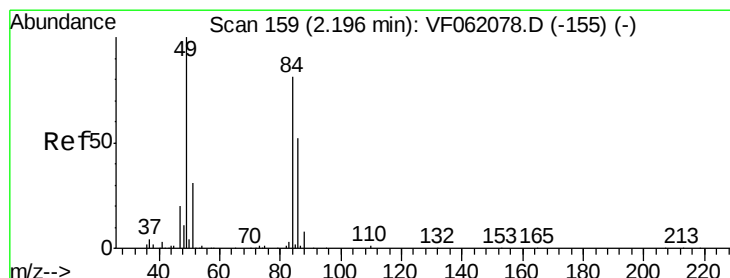
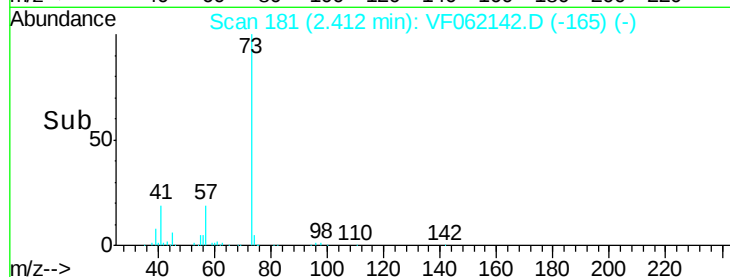
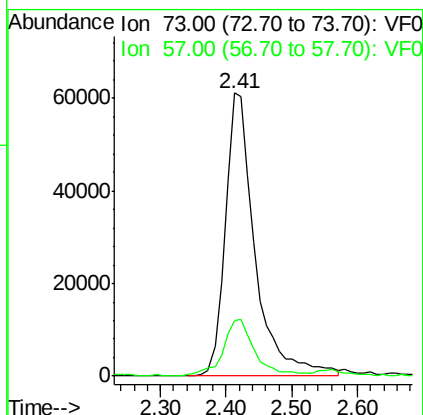
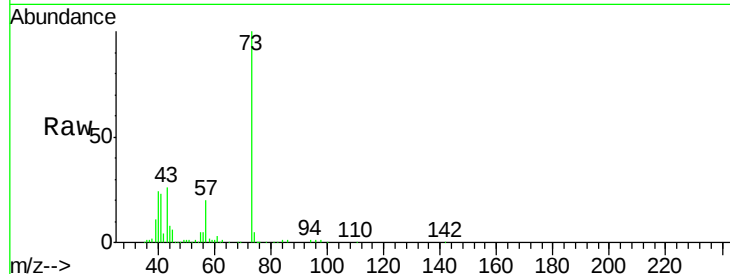


#19

Methyl tert-butyl Ether
Concen: 48.003 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.04 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

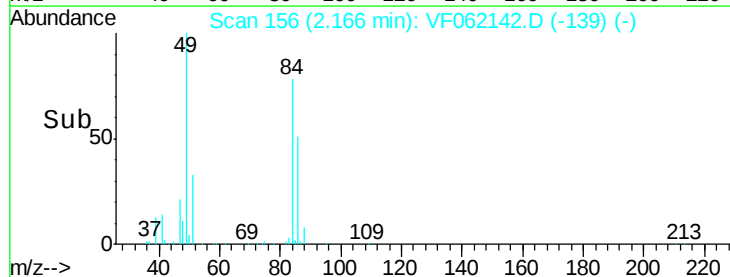
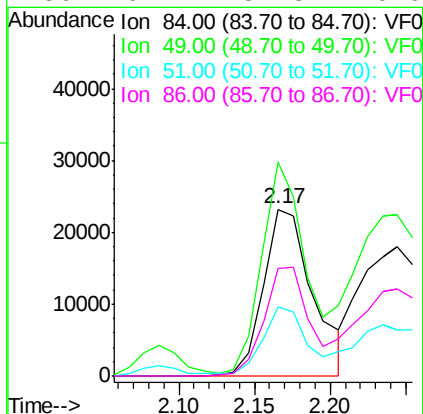
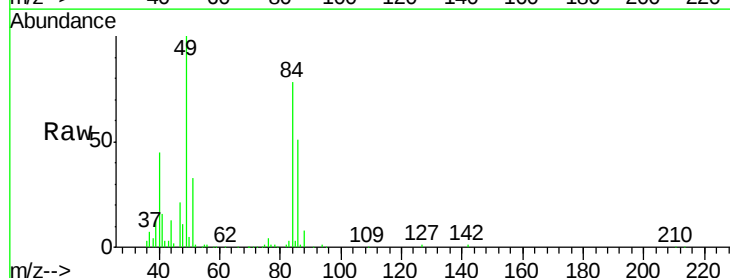
Tot Ion: 73 Resp: 193804
Ion Ratio Lower Upper
73 100
57 19.8 15.1 22.7

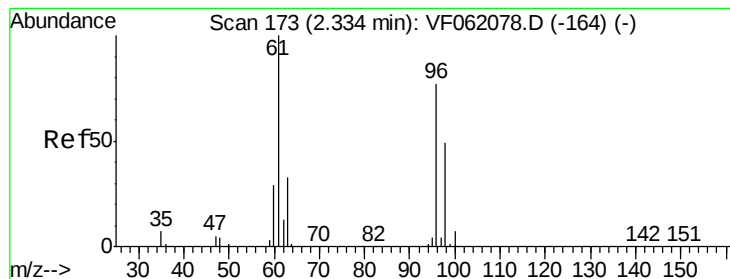


#20

Methylene Chloride
Concen: 19.253 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion: 84 Resp: 52950
Ion Ratio Lower Upper
84 100
49 128.0 100.4 150.6
51 41.6 31.0 46.6
86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.934 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

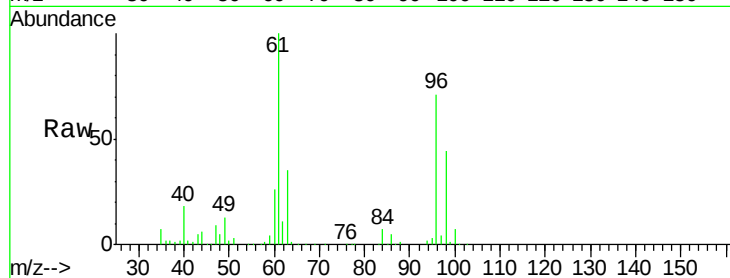
Tot Ion: 96 Resp: 127644

Ion Ratio Lower Upper

96 100

61 140.0 104.5 156.7

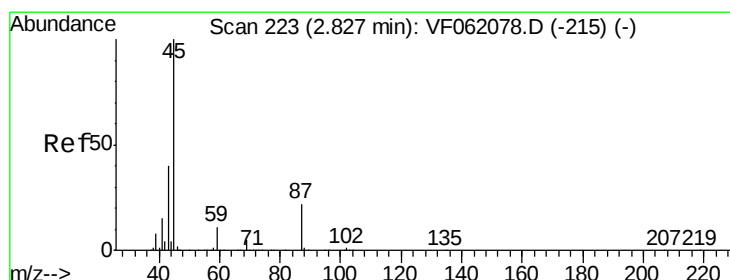
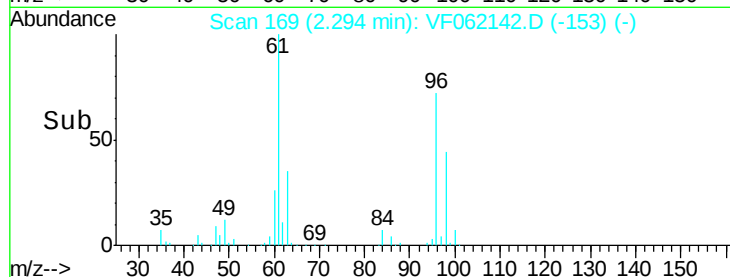
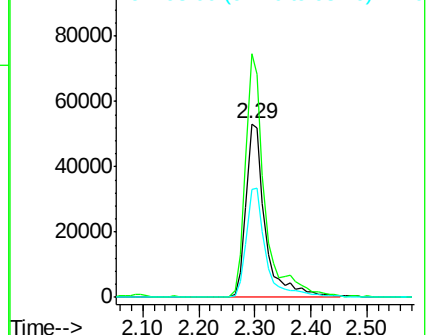
98 61.9 51.2 76.8



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: 50.074 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Tgt Ion: 45 Resp: 358051

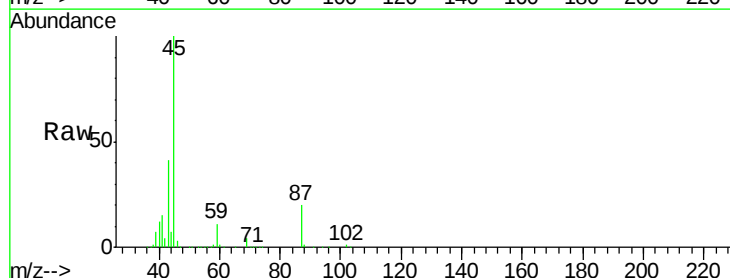
Ion Ratio Lower Upper

45 100

43 41.0 32.5 48.7

87 19.8 17.4 26.2

59 11.2 8.6 12.8

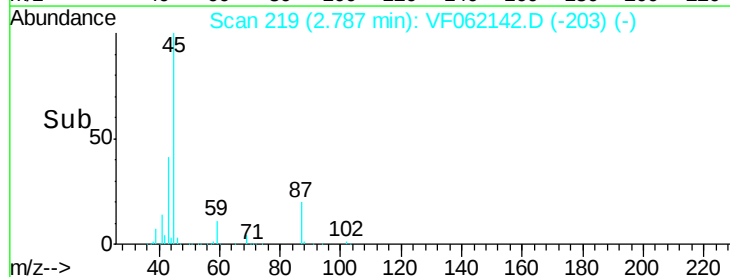
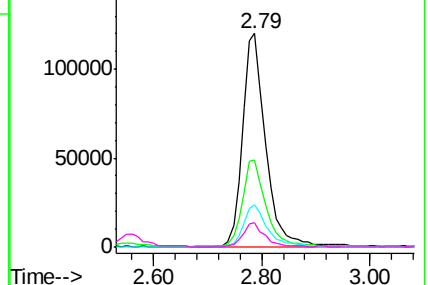


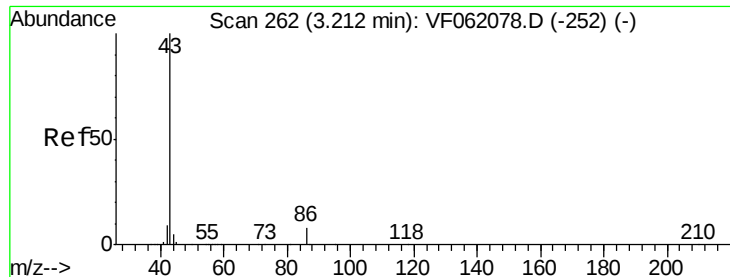
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 254.216 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

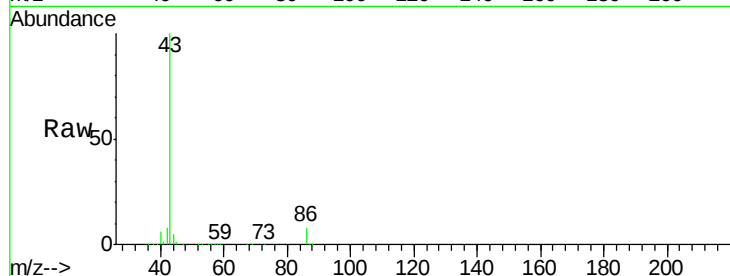
VSTDCCC050

Tot Ion: 43 Resp: 744249

Ion Ratio Lower Upper

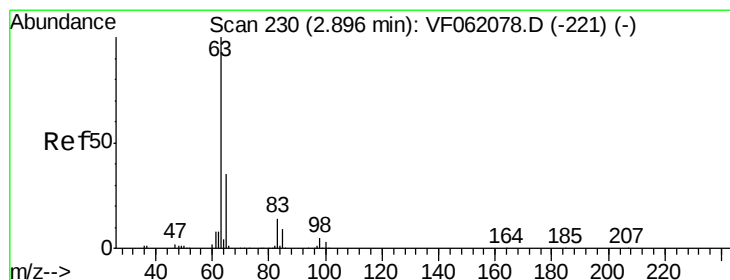
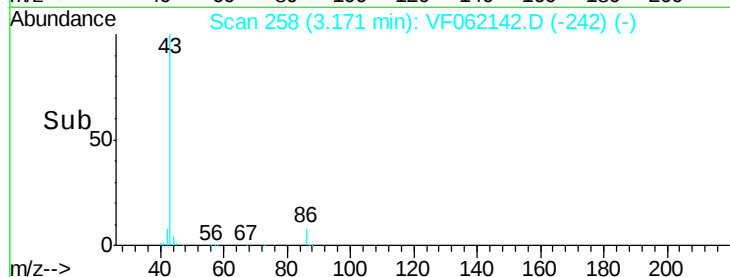
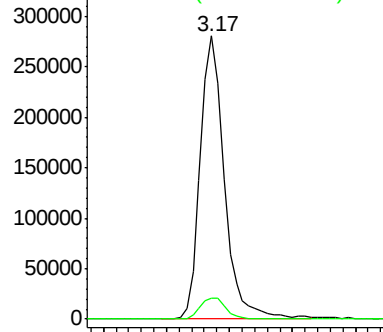
43 100

86 7.6 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: 50.206 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

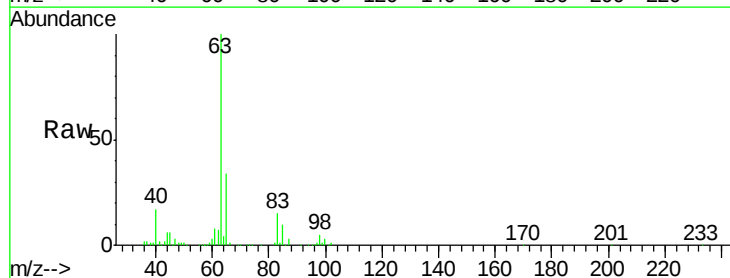
Tgt Ion: 63 Resp: 215286

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

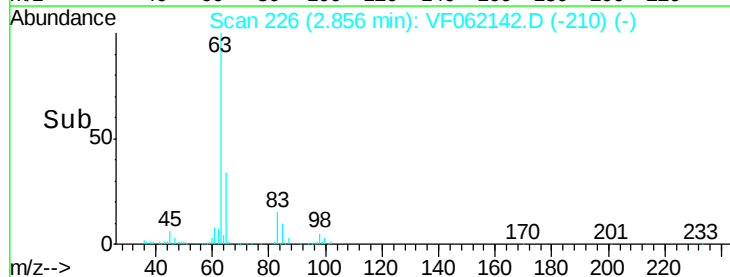
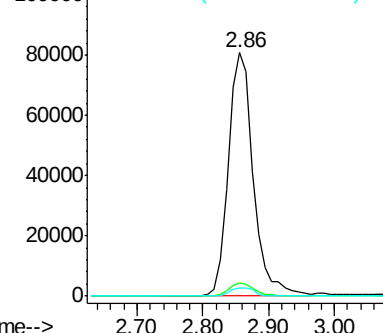
100 3.4 1.7 5.1

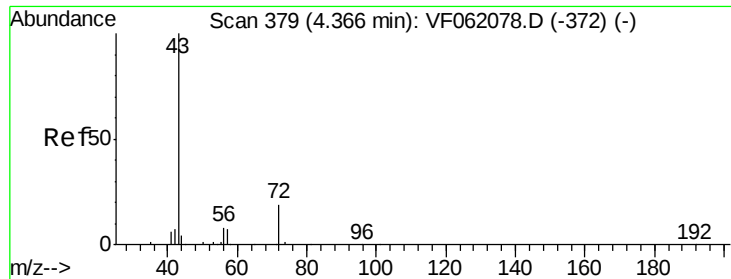


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 254.832 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

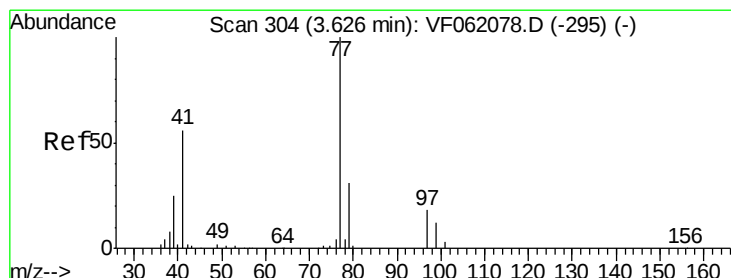
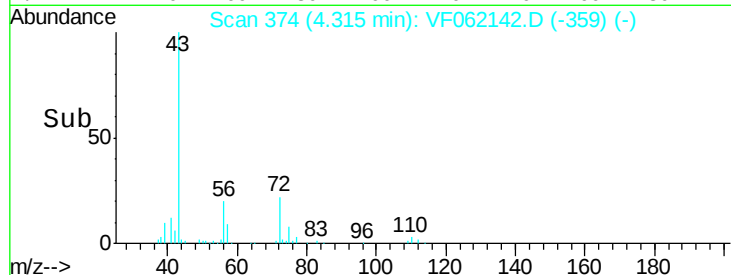
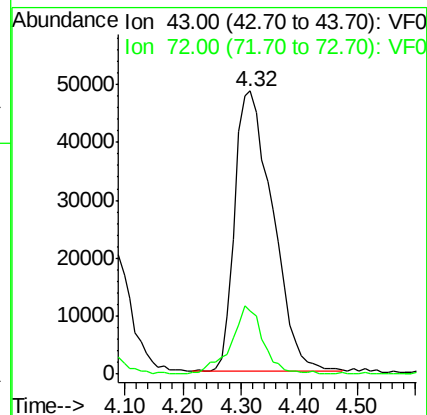
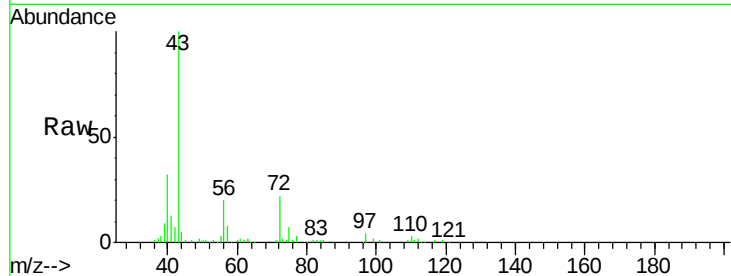
VSTDCCC050

Tot Ion: 43 Resp: 220703

Ion Ratio Lower Upper

43 100

72 22.4 16.7 25.1



#26

2,2-Dichloropropane

Concen: 53.385 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF062142.D

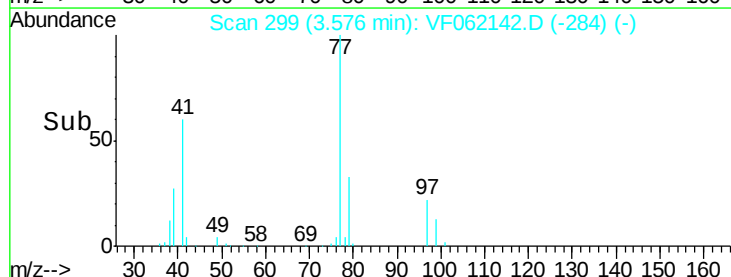
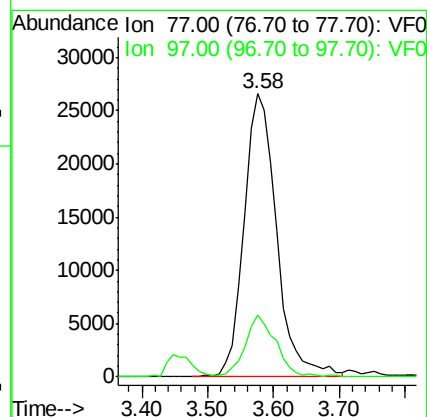
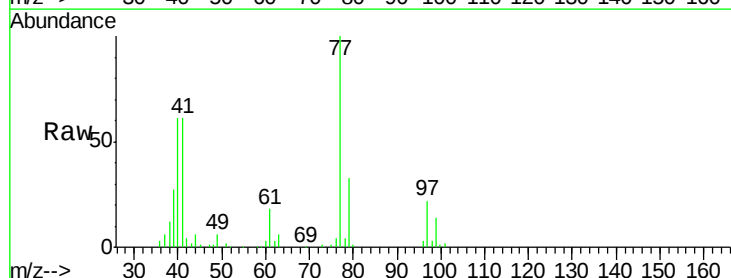
Acq: 26 Mar 2019 13:05

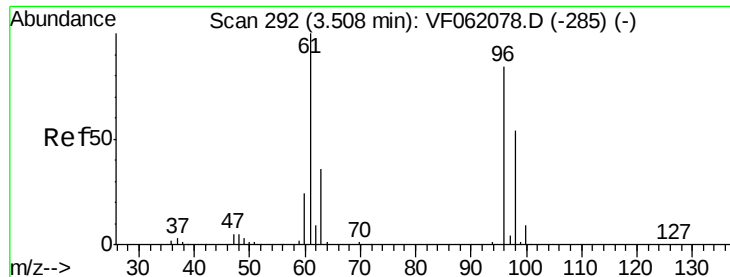
Tgt Ion: 77 Resp: 92814

Ion Ratio Lower Upper

77 100

97 21.9 10.3 30.9



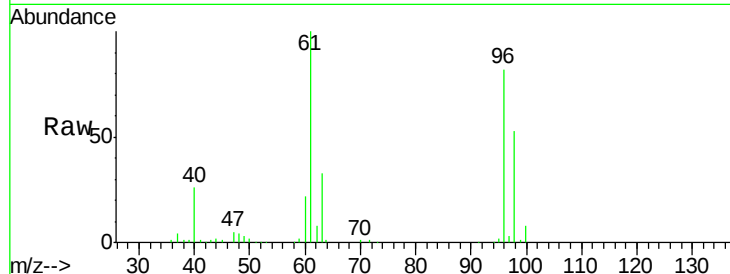


#27

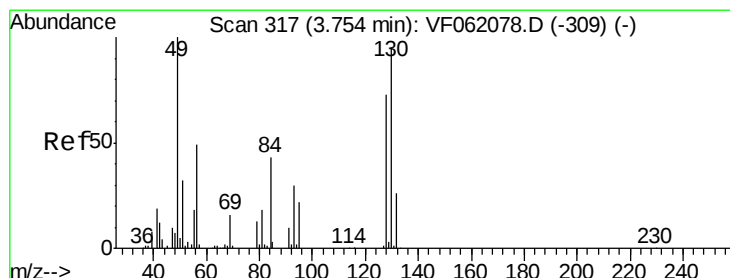
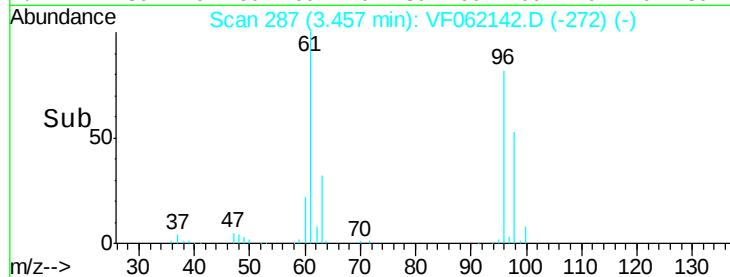
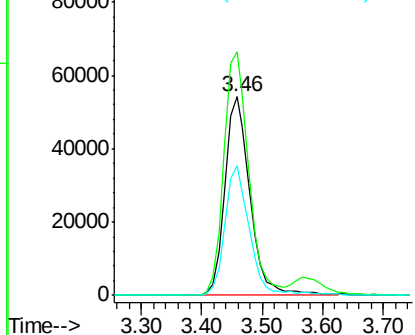
cis-1,2-Dichloroethene
 Concen: 47.907 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 156029
 Ion Ratio Lower Upper
 96 100
 61 122.5 0.0 239.0
 98 65.3 0.0 128.2



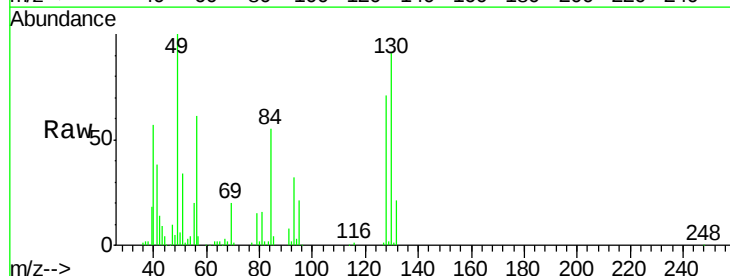
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



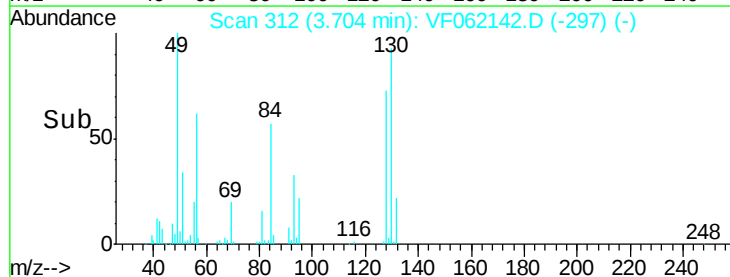
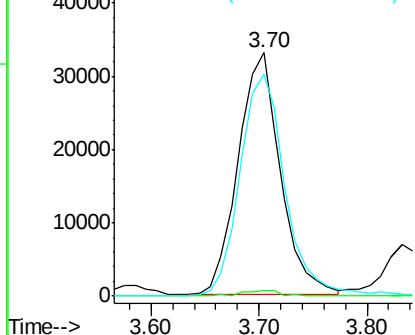
#28

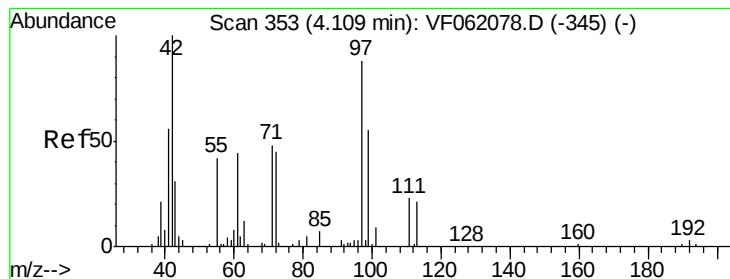
Bromochloromethane
 Concen: 51.789 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion: 49 Resp: 90733
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.6
 130 91.3 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: 221.697 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

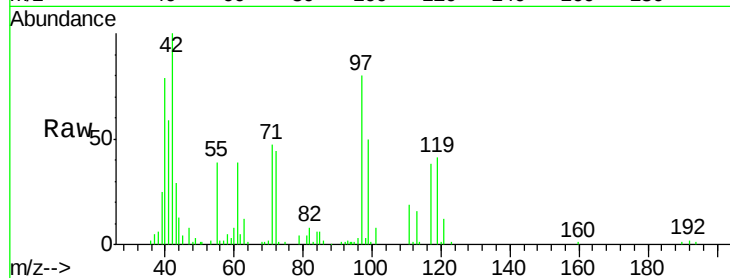
Tot Ion: 42 Resp: 83481

Ion Ratio Lower Upper

42 100

72 43.7 33.3 49.9

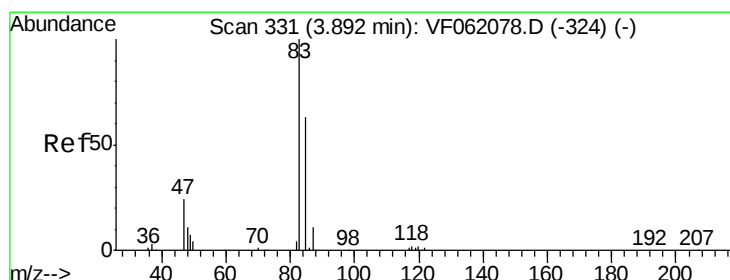
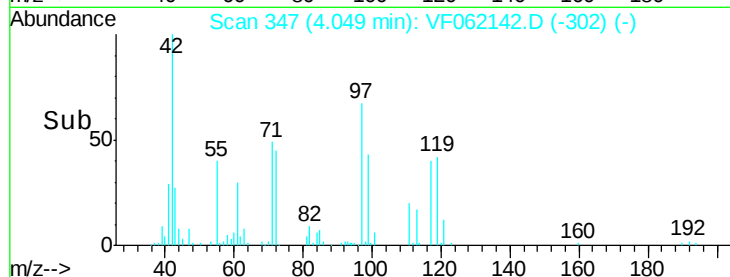
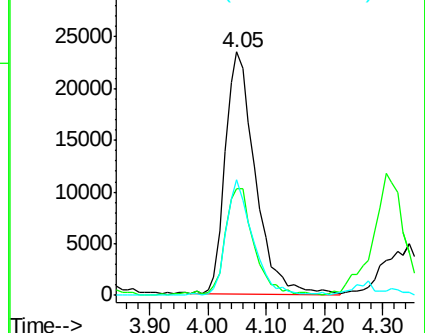
71 43.2 35.0 52.4



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: 50.460 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF062142.D

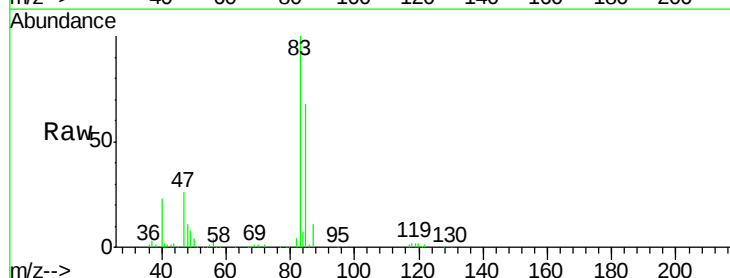
Acq: 26 Mar 2019 13:05

Tgt Ion: 83 Resp: 228669

Ion Ratio Lower Upper

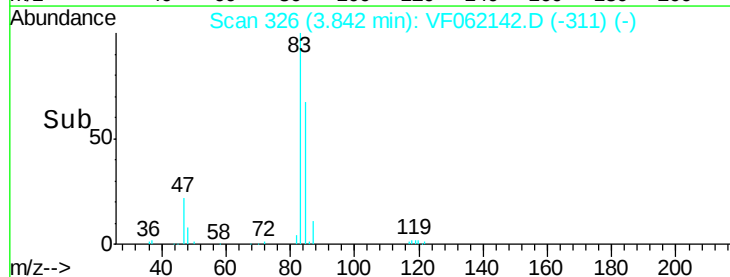
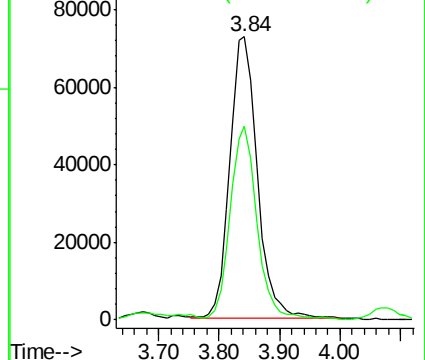
83 100

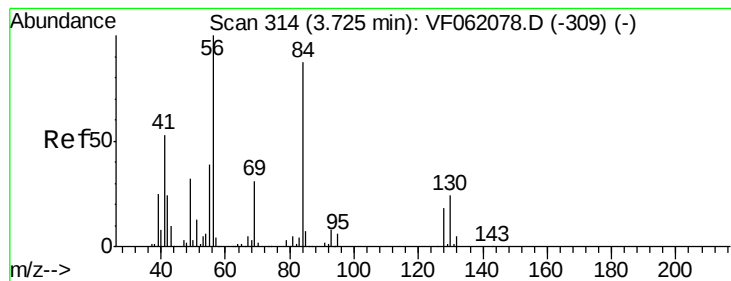
85 68.2 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 47.983 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

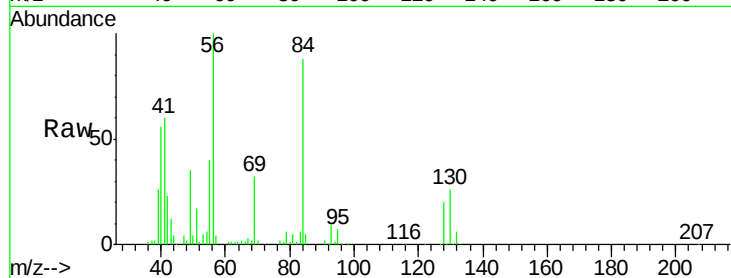
Tot Ion: 56 Resp: 214890

Ion Ratio Lower Upper

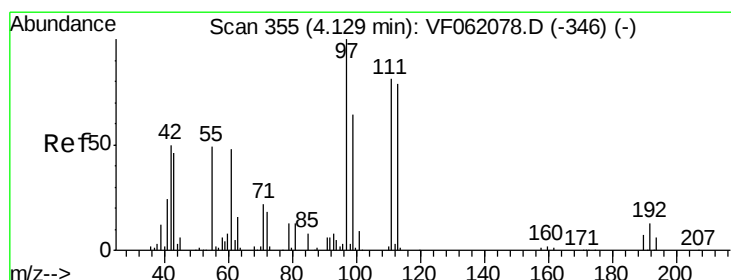
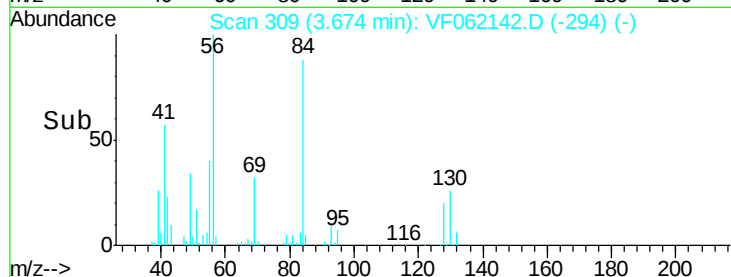
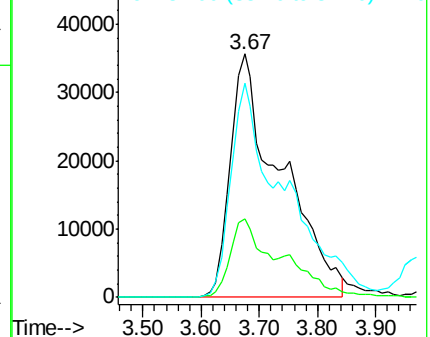
56 100

69 32.1 25.9 38.9

84 87.9 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: 49.287 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

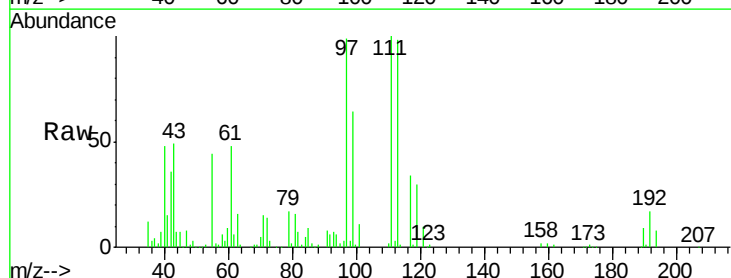
Tgt Ion: 97 Resp: 135867

Ion Ratio Lower Upper

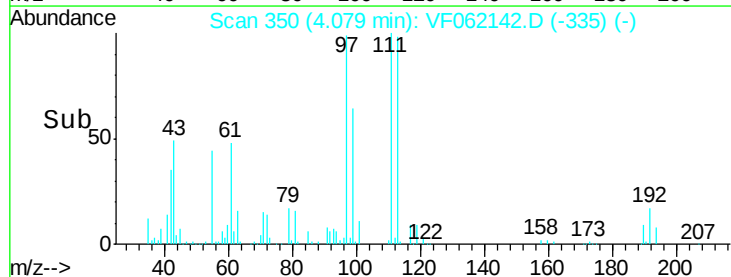
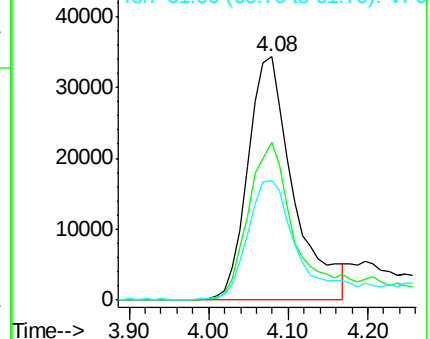
97 100

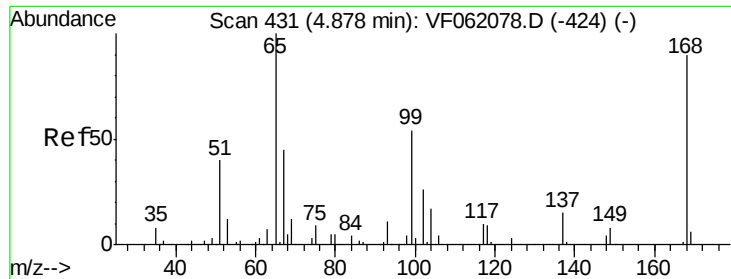
99 64.9 51.3 76.9

61 49.0 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

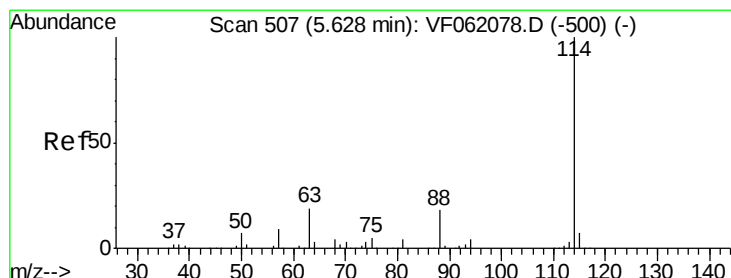
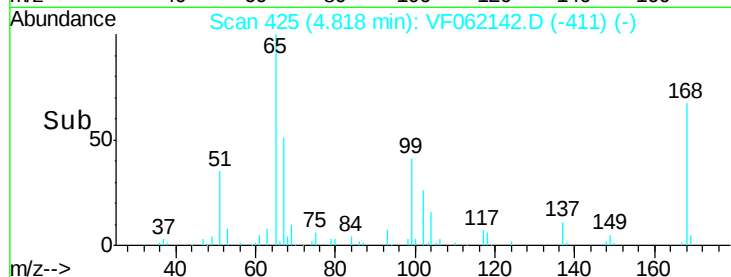
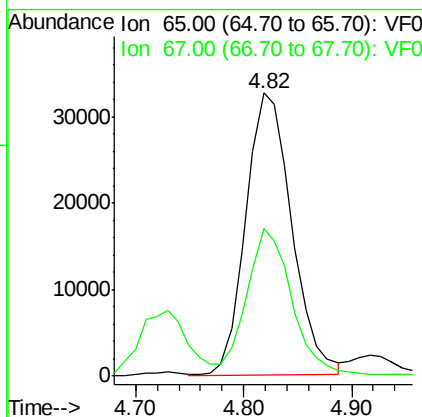
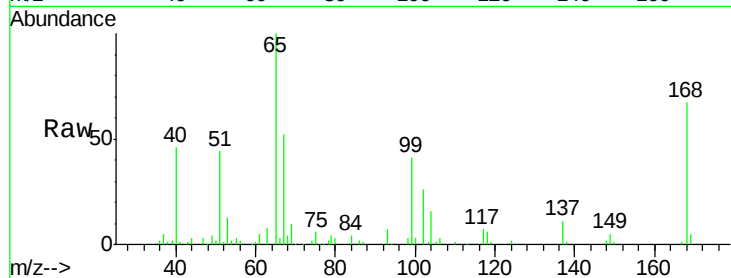




#33
 1,2-Dichloroethane-d4
 Concen: 49.163 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.06 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

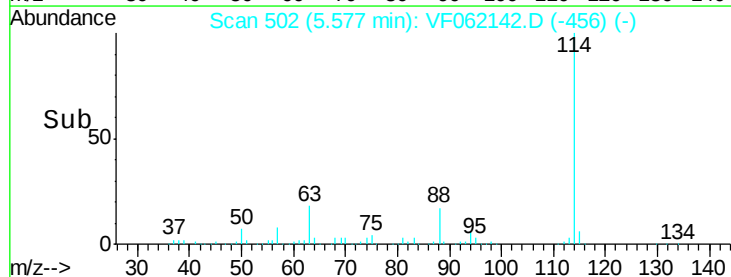
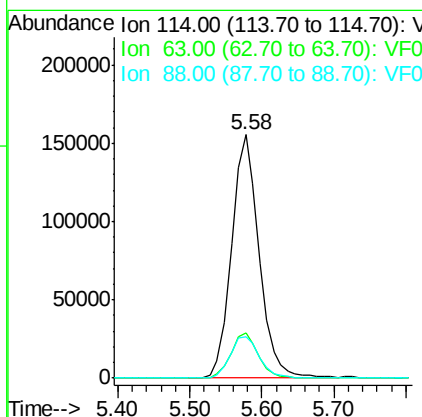
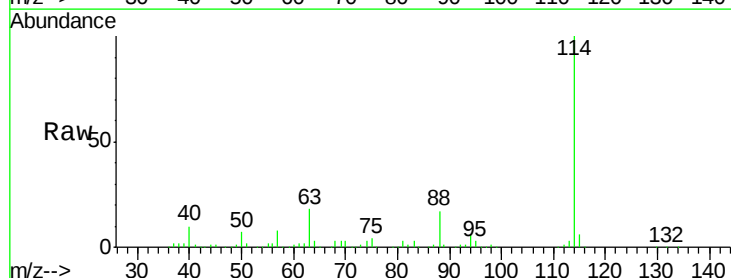
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

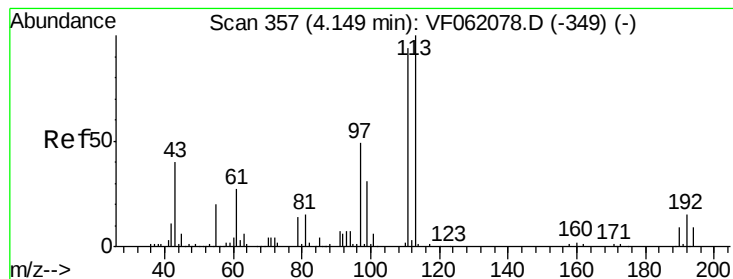
Tot Ion: 65 Resp: 96907
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion: 114 Resp: 414300
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.8
 88 16.9 0.0 36.4





#35

Dibromofluoromethane

Concen: 48.484 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

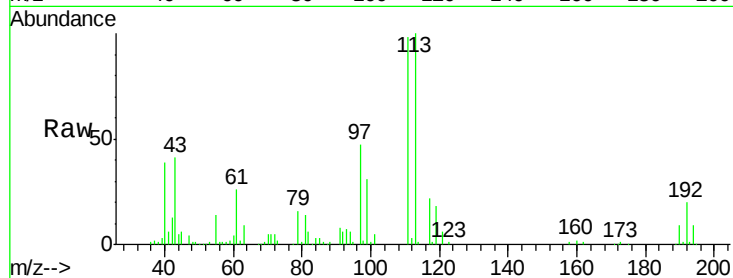
Tot Ion:113 Resp: 135880

Ion Ratio Lower Upper

113 100

111 98.0 75.4 113.0

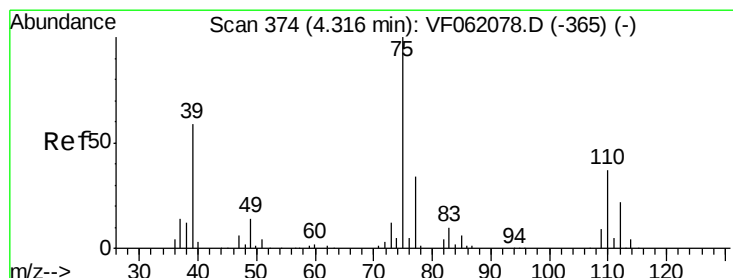
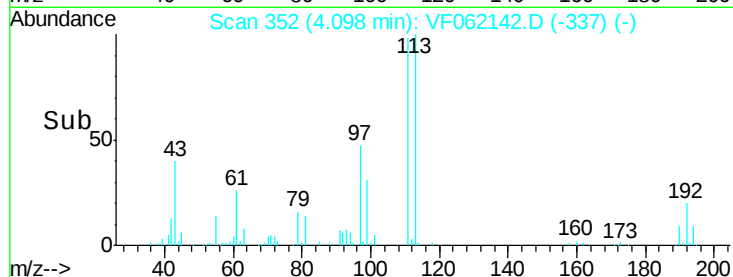
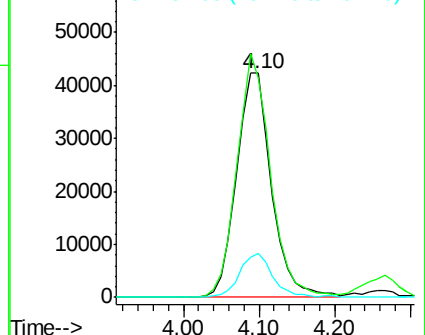
192 19.5 12.3 18.5#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.028 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

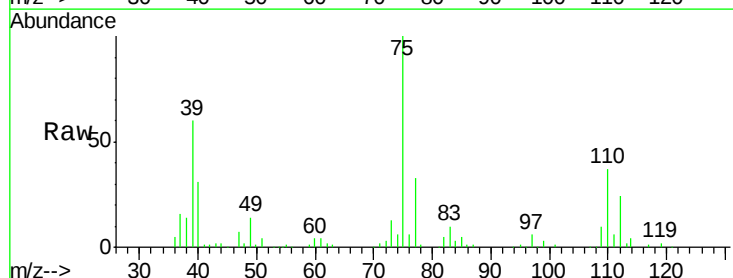
Tgt Ion: 75 Resp: 189530

Ion Ratio Lower Upper

75 100

110 36.6 18.5 55.5

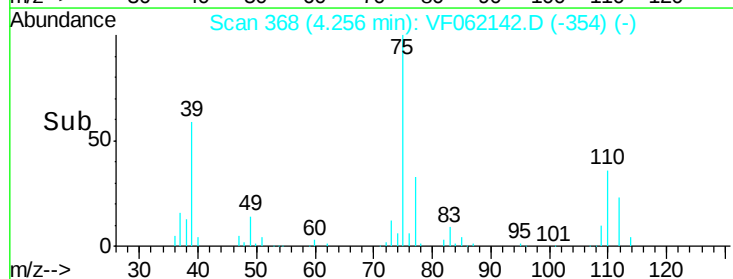
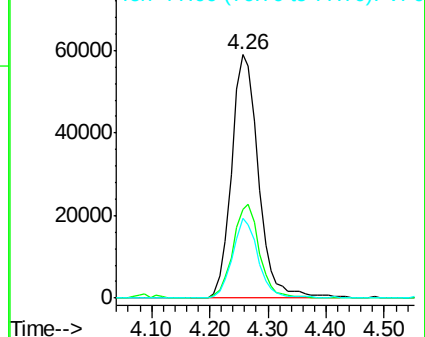
77 32.8 27.4 41.0

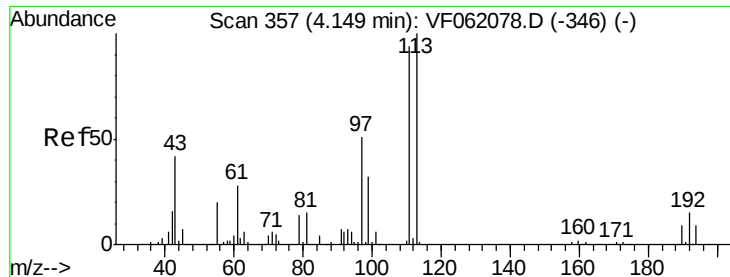


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 45.076 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

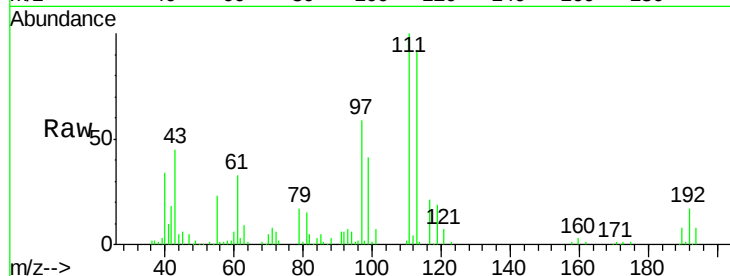
Tot Ion: 43 Resp: 77739

Ion Ratio Lower Upper

43 100

61 74.7 53.6 80.4

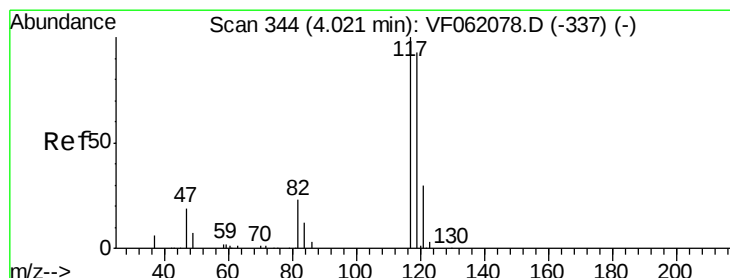
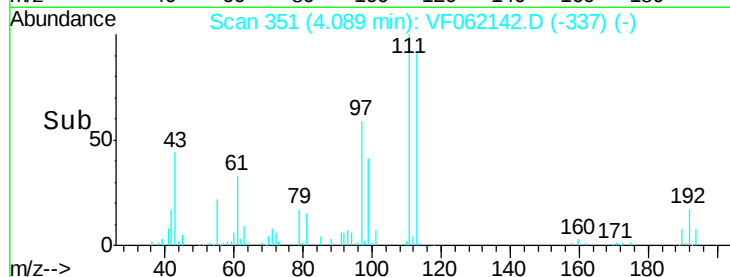
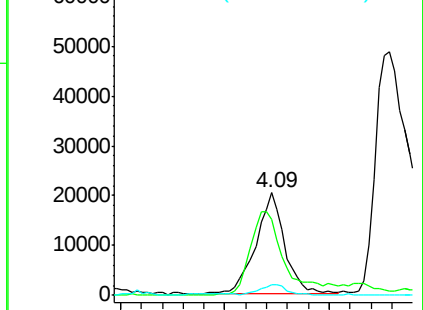
70 10.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 51.990 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

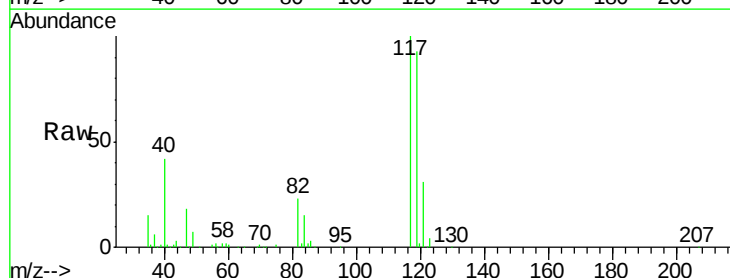
Tgt Ion: 117 Resp: 139832

Ion Ratio Lower Upper

117 100

119 93.3 74.7 112.1

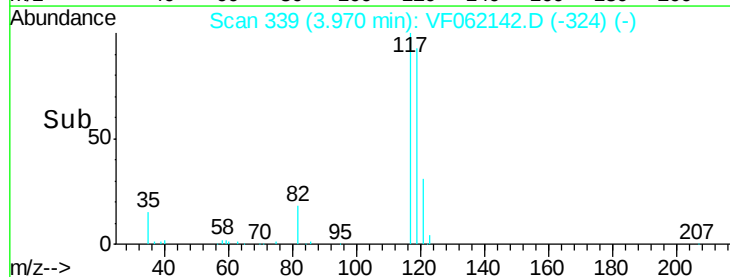
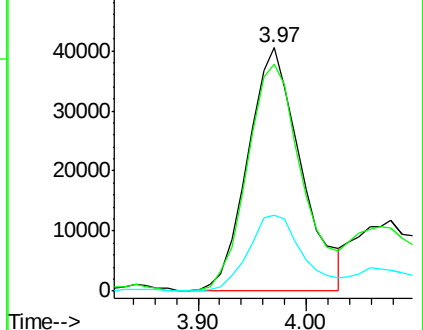
121 31.2 23.6 35.4

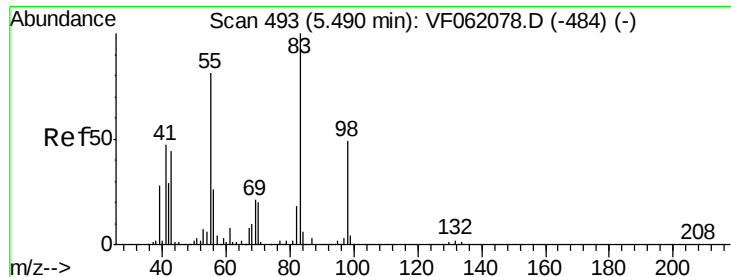


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

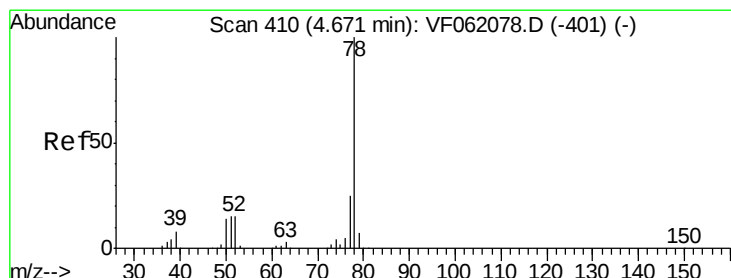
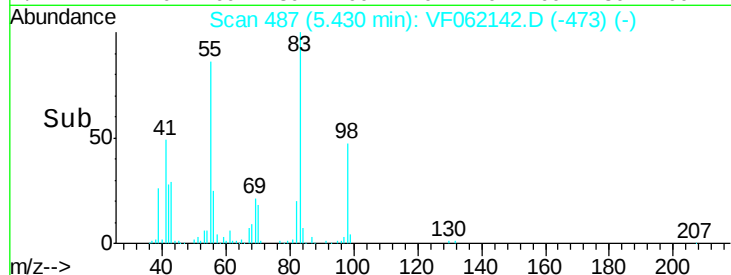
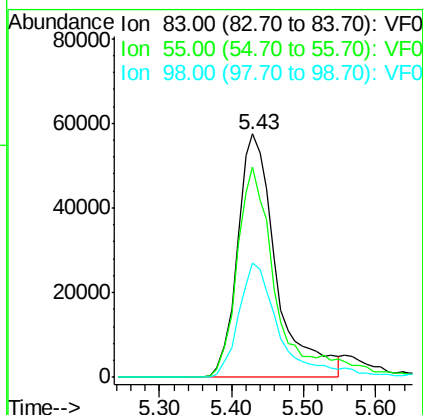
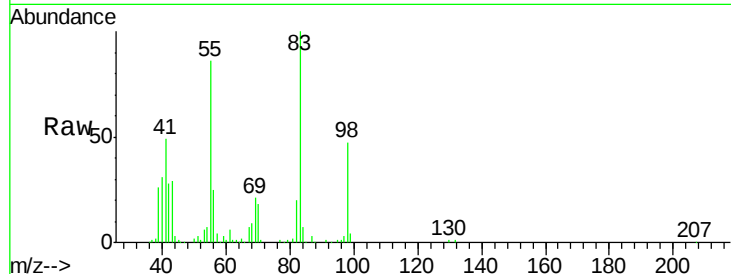




#39
Methvlcvclohexane
Concen: 47.155 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.06 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

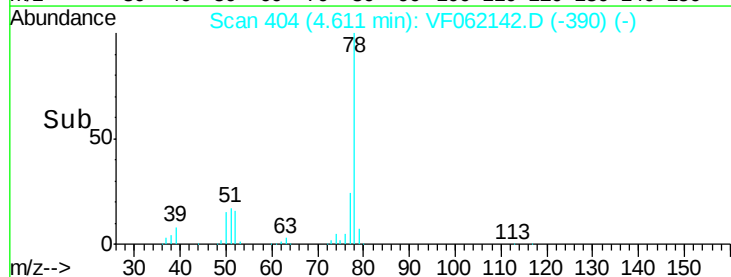
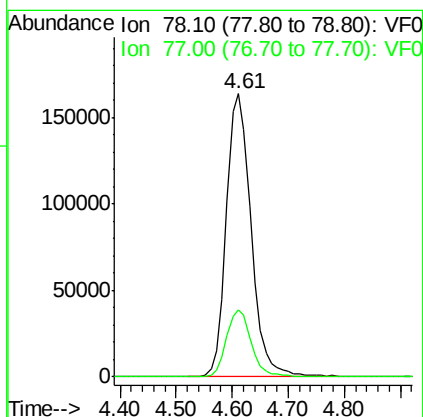
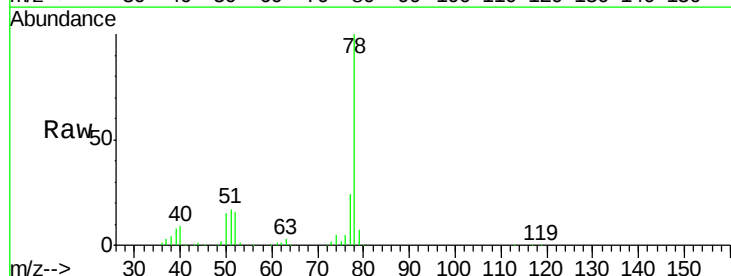
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

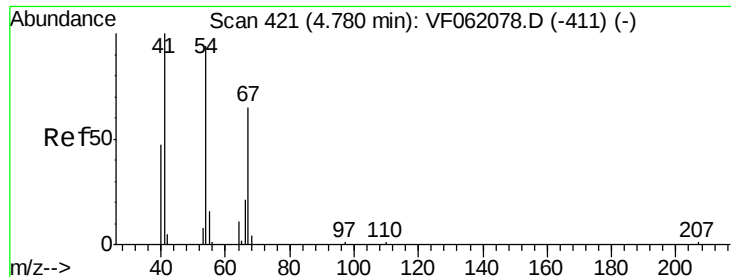
Tot Ion: 83 Resp: 215969
Ion Ratio Lower Upper
83 100
55 86.3 64.5 96.7
98 47.1 39.1 58.7



#40
Benzene
Concen: 47.657 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion: 78 Resp: 504159
Ion Ratio Lower Upper
78 100
77 23.9 19.8 29.6

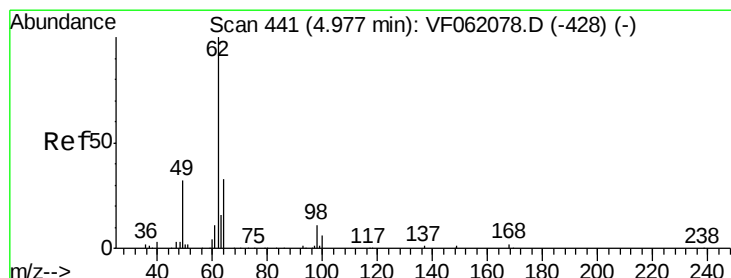
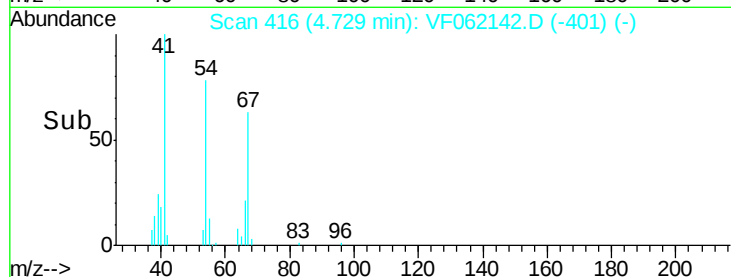
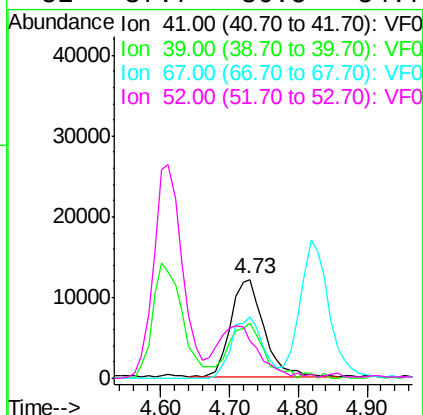
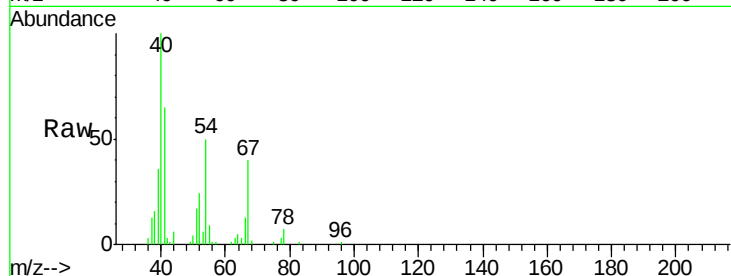




#41
Methacrylonitrile
Concen: 43.752 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

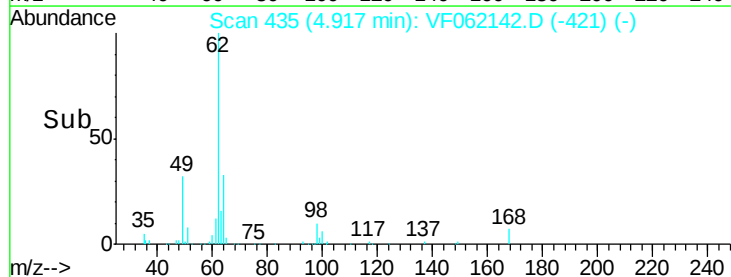
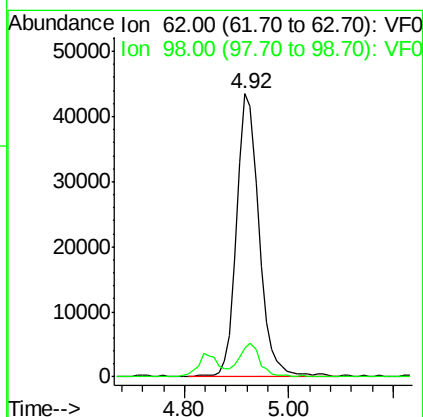
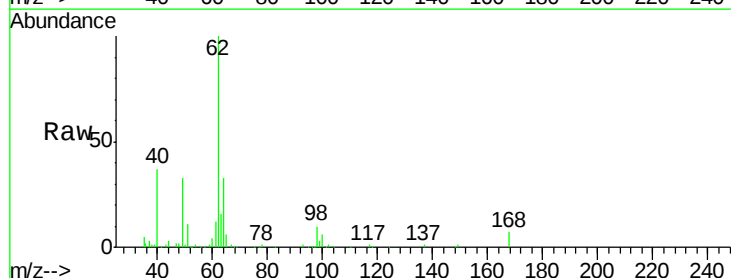
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

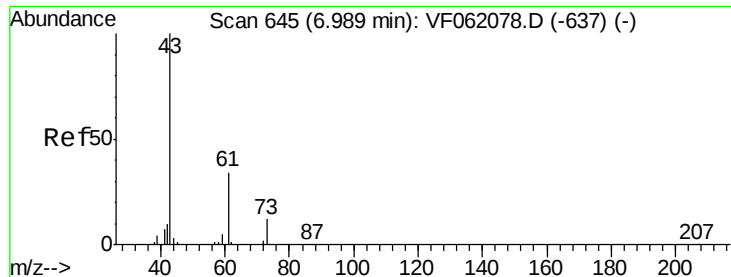
Tot Ion:	41	Resp:	39924
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.5	65.3
67	62.0	51.6	77.4
52	37.7	36.5	54.7



#42
1,2-Dichloroethane
Concen: 50.732 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.06 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion:	62	Resp:	126916
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	23.2



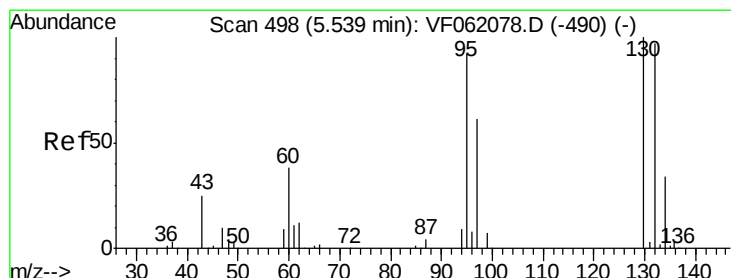
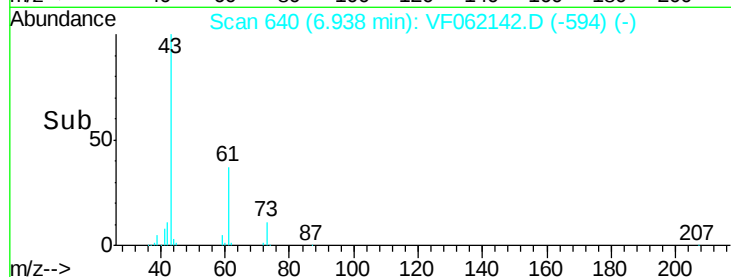
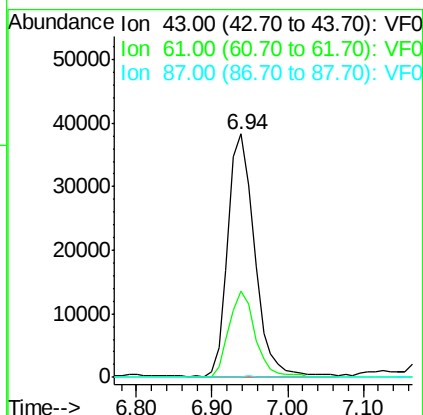
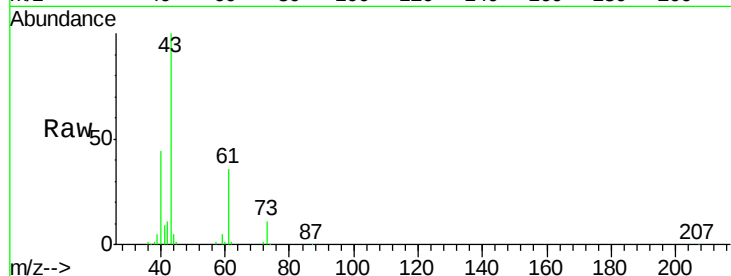


#43

Isopropyl Acetate
 Concen: 45.486 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

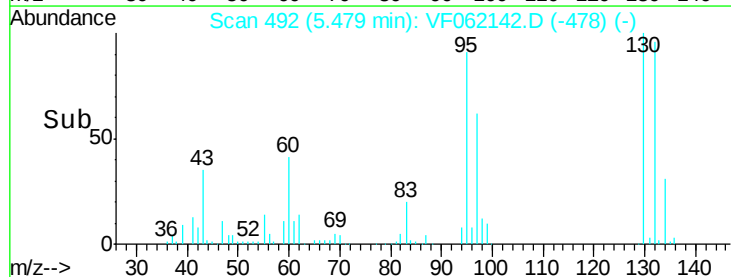
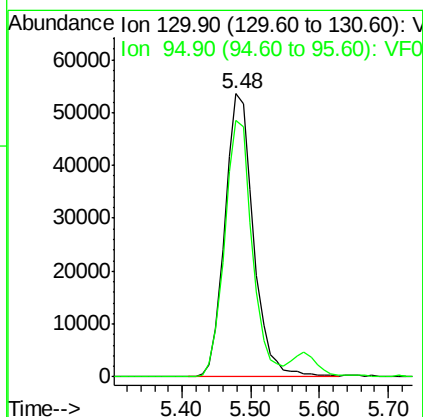
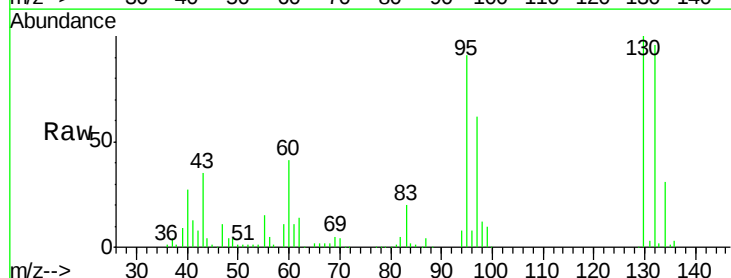
Tot Ion: 43 Resp: 95002
 Ion Ratio Lower Upper
 43 100
 61 35.6 27.0 40.4
 87 0.4 0.4 0.6

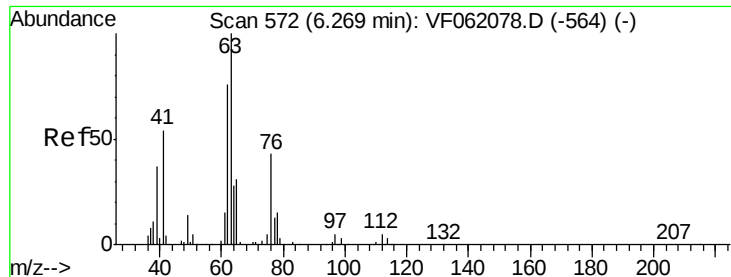


#44

Trichloroethene
 Concen: 47.596 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.06 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion: 130 Resp: 153944
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 183.4





#45

1,2-Dichloropropane

Concen: 50.038 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

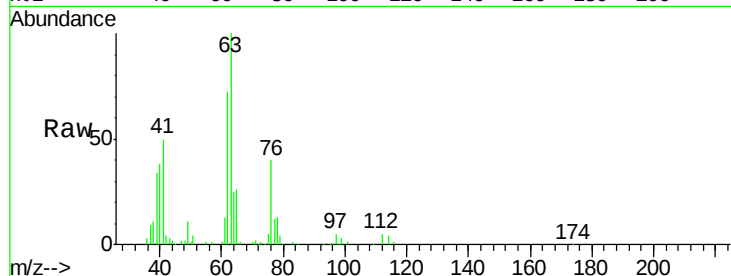
VSTDCCC050

Tot Ion: 63 Resp: 126256

Ion Ratio Lower Upper

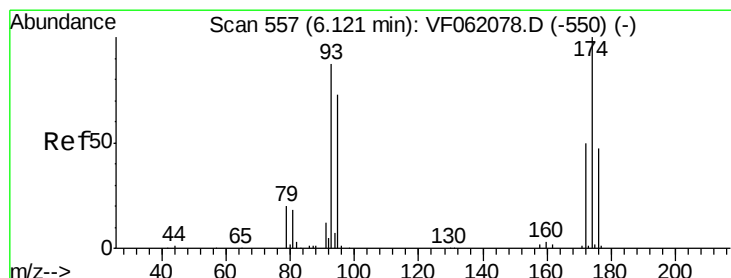
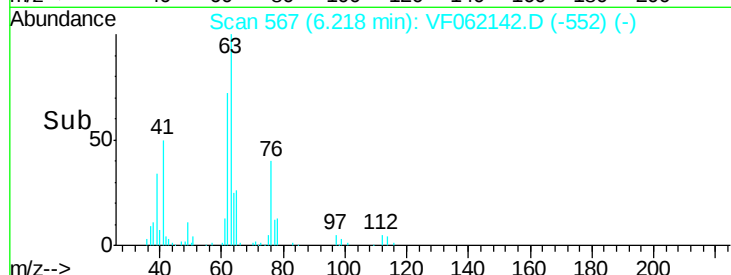
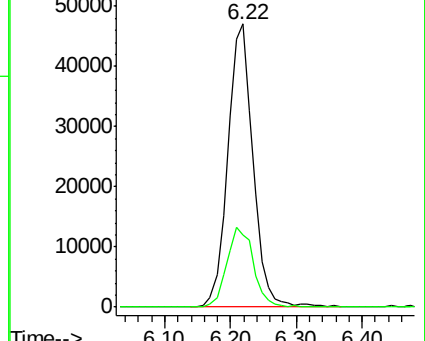
63 100

65 25.6 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.336 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

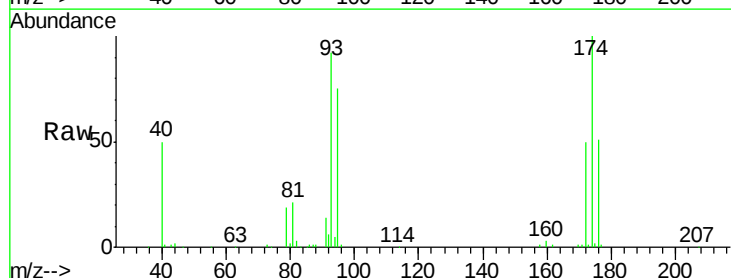
Tgt Ion: 93 Resp: 73028

Ion Ratio Lower Upper

93 100

95 82.4 67.4 101.2

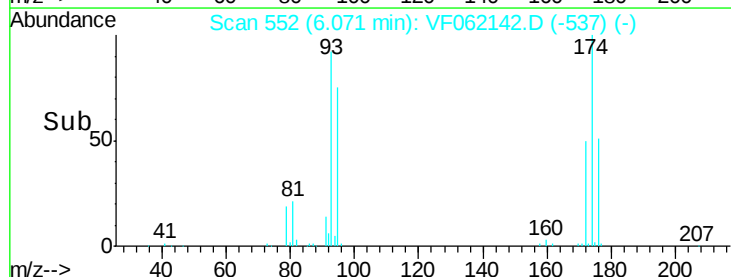
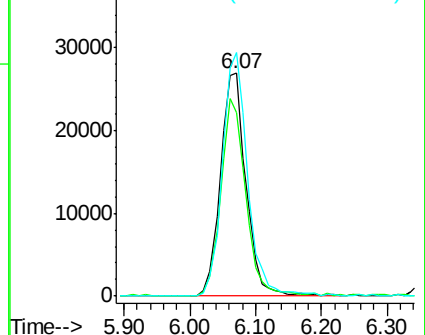
174 109.3 92.0 138.0

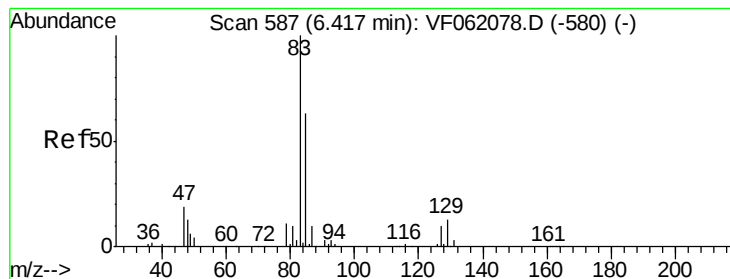


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 47.610 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

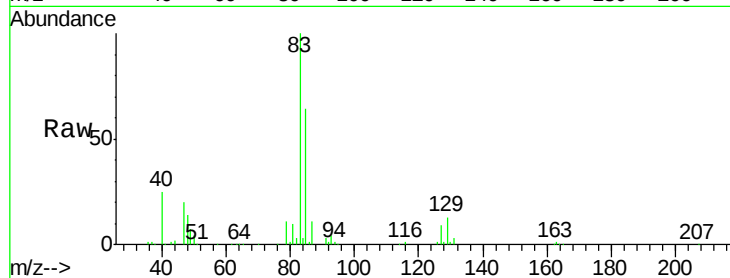
Tot Ion: 83 Resp: 162695

Ion Ratio Lower Upper

83 100

85 64.1 50.7 76.1

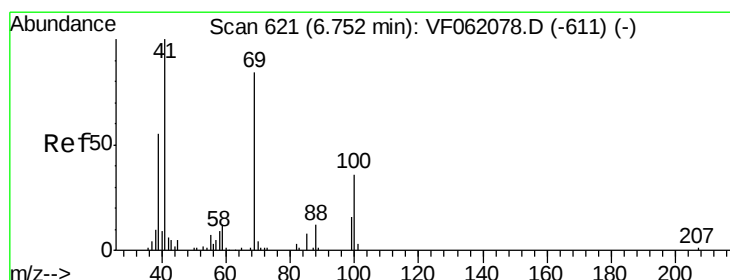
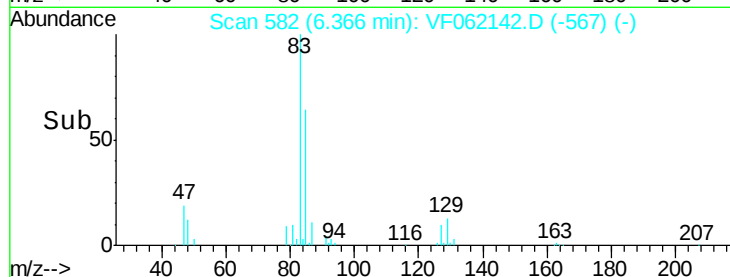
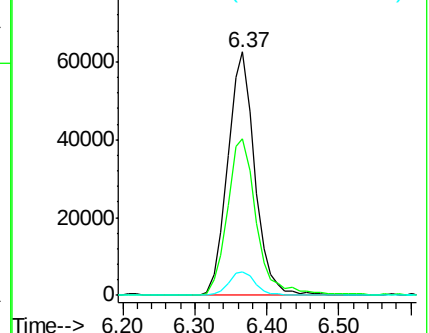
127 9.5 7.8 11.6



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: 45.961 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

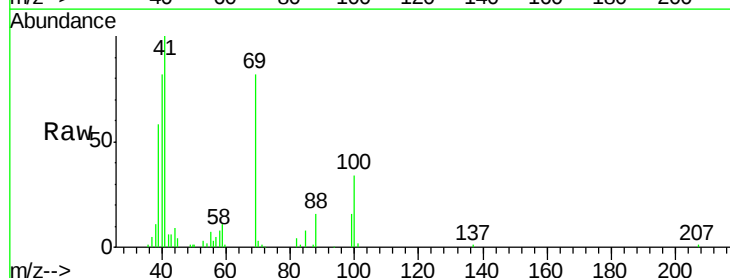
Tgt Ion: 41 Resp: 54656

Ion Ratio Lower Upper

41 100

69 81.9 66.6 100.0

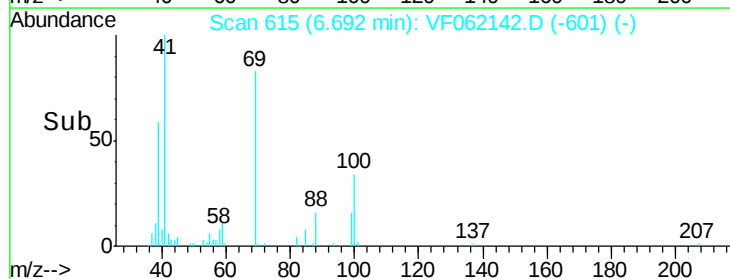
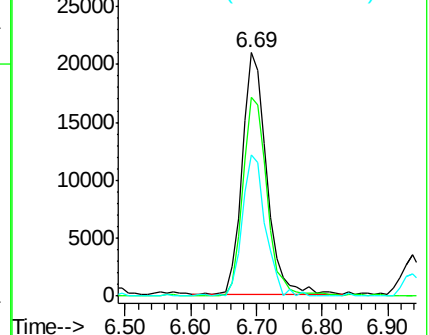
39 57.9 43.6 65.4

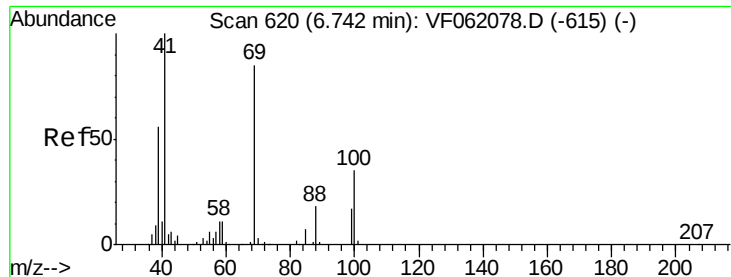


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 993.802 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

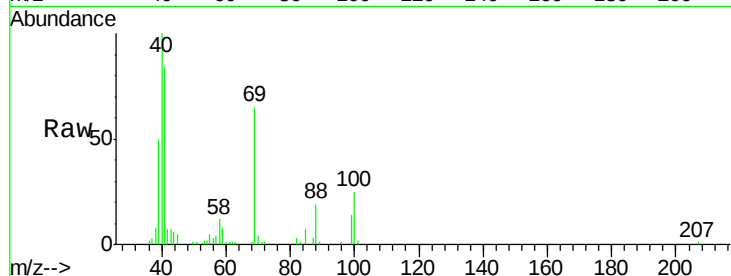
Tot Ion: 88 Resp: 10370

Ion Ratio Lower Upper

88 100

43 38.7 35.0 52.4

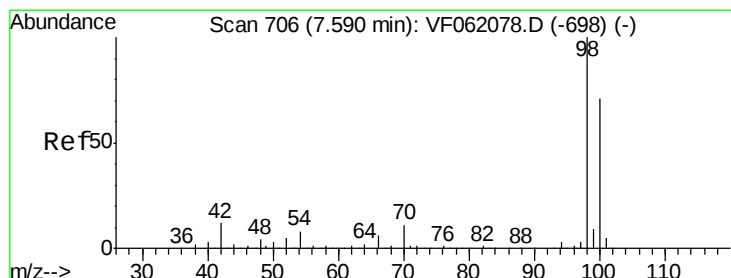
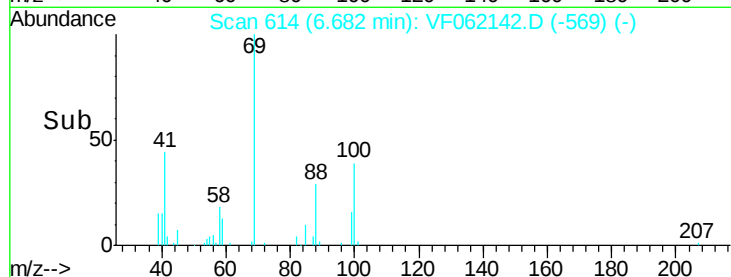
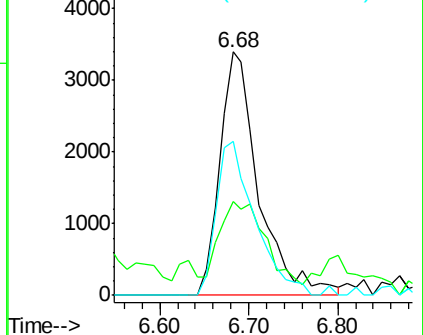
58 63.3 49.9 74.9



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.745 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.06 min

Lab File: VF062142.D

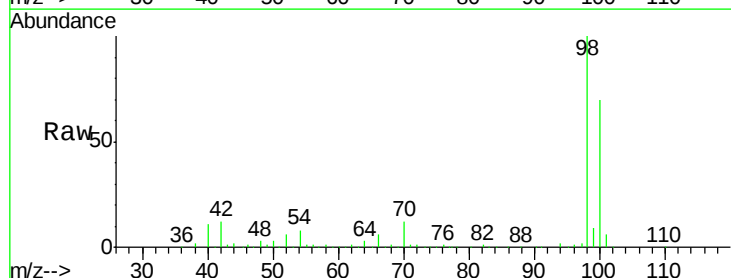
Acq: 26 Mar 2019 13:05

Tgt Ion: 98 Resp: 407784

Ion Ratio Lower Upper

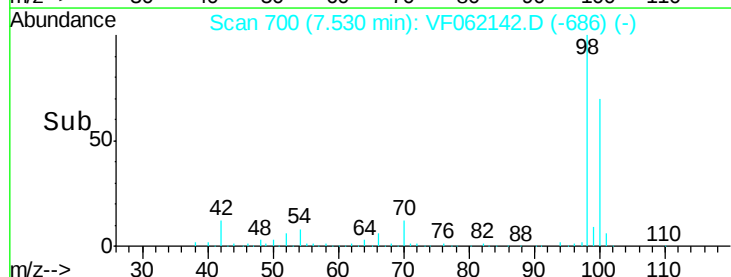
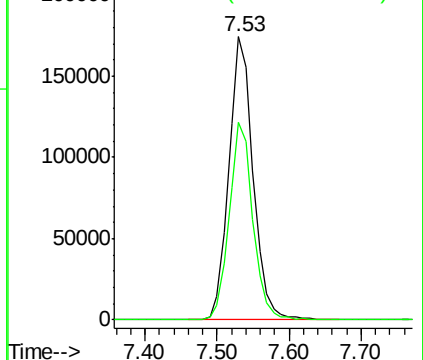
98 100

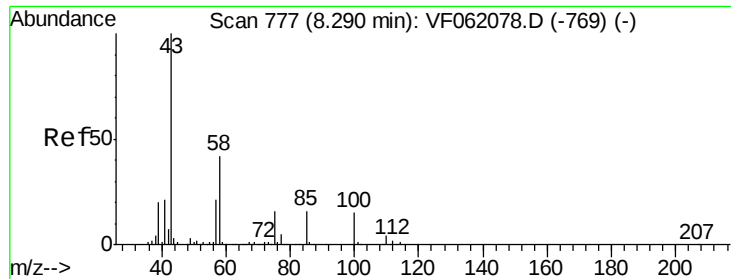
100 69.7 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 238.510 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

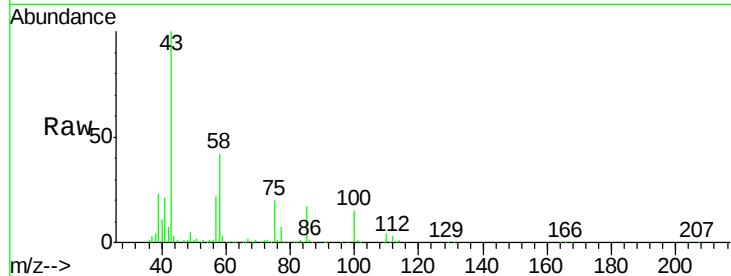
VSTDCCC050

Tot Ion: 43 Resp: 333417

Ion Ratio Lower Upper

43 100

58 41.8 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

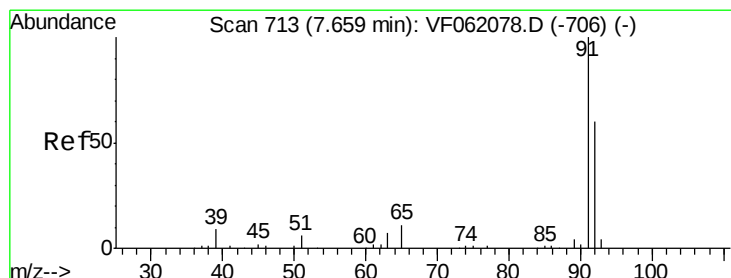
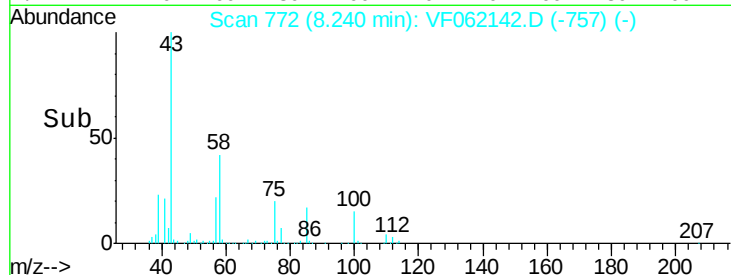
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.923 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.06 min

Lab File: VF062142.D

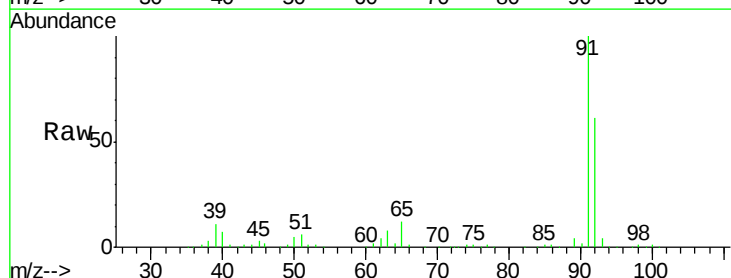
Acq: 26 Mar 2019 13:05

Tgt Ion: 92 Resp: 305901

Ion Ratio Lower Upper

92 100

91 163.7 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.60

200000

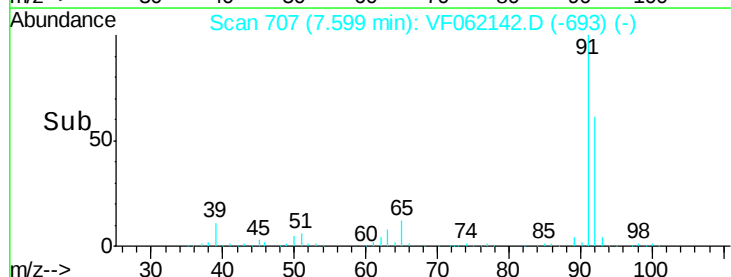
150000

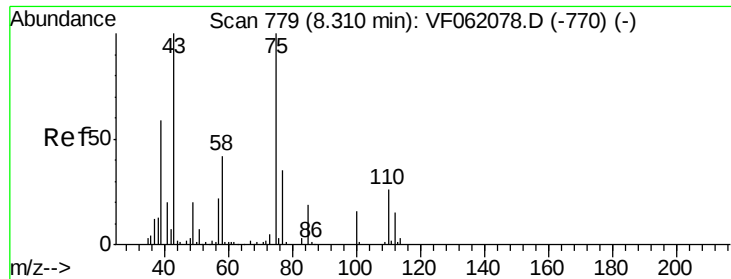
100000

50000

0

Time-->

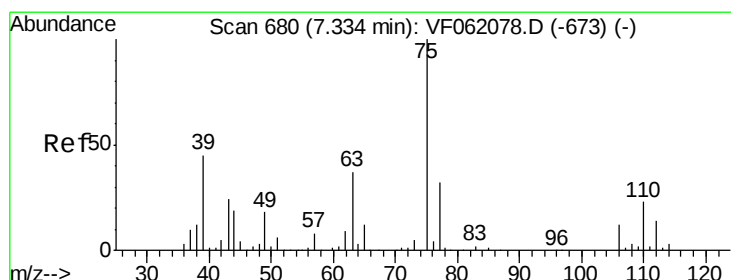
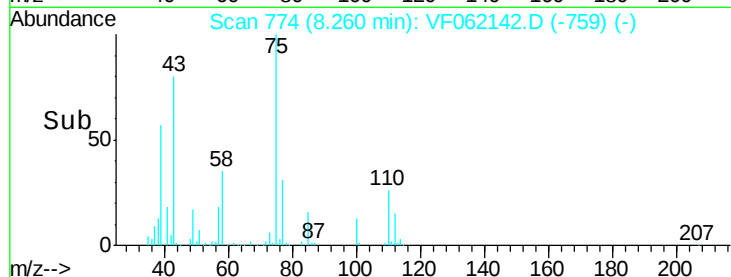
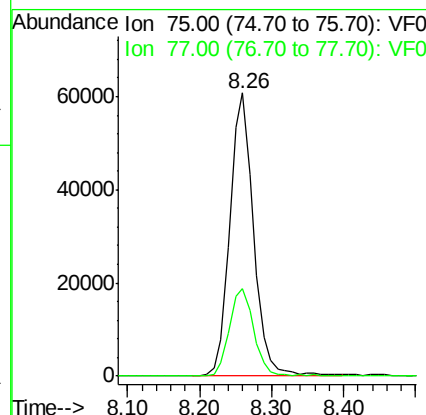
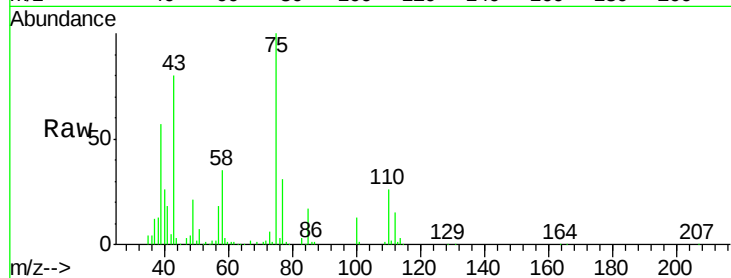




#53
 t-1,3-Dichloropropene
 Concen: 51.901 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

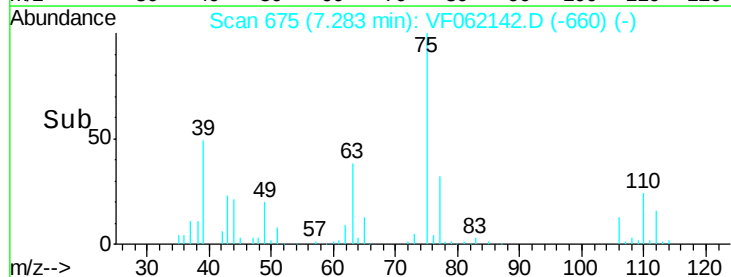
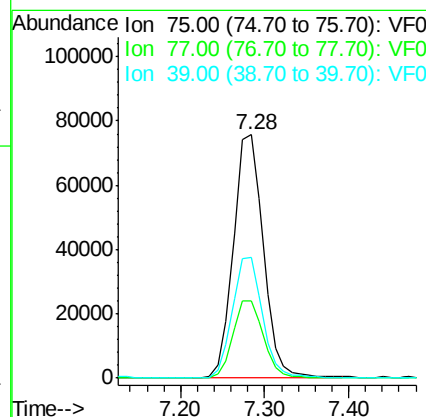
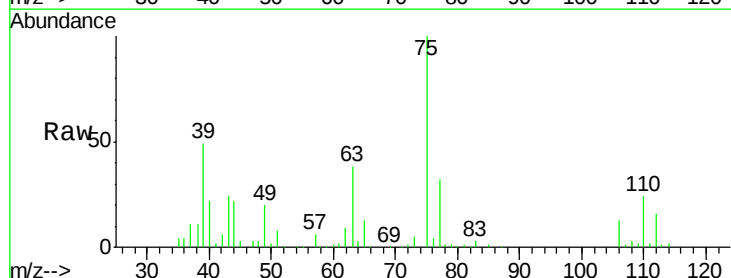
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

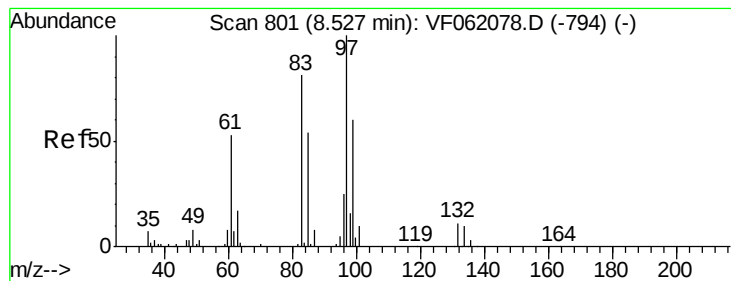
Tot Ion: 75 Resp: 139229
 Ion Ratio Lower Upper
 75 100
 77 31.1 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 49.036 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion: 75 Resp: 188214
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.6
 39 49.5 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 47.669 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 82966

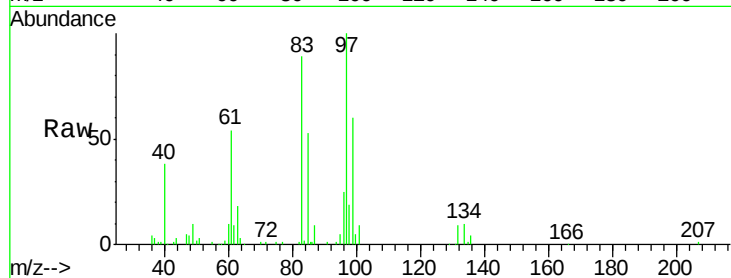
Ion Ratio Lower Upper

97 100

83 88.6 64.6 97.0

85 52.9 43.6 65.4

99 60.1 48.2 72.2

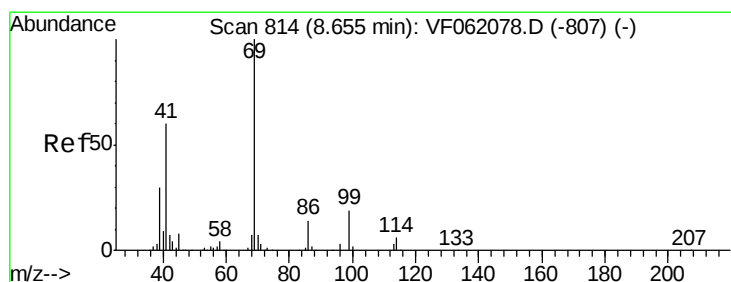
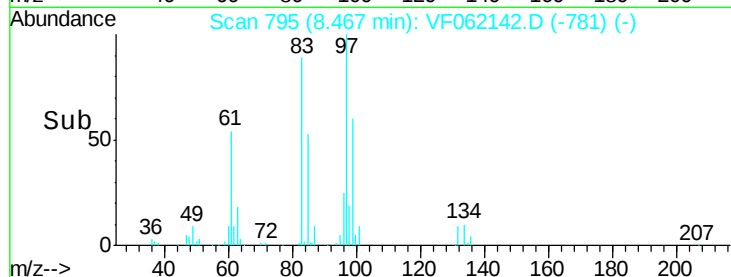
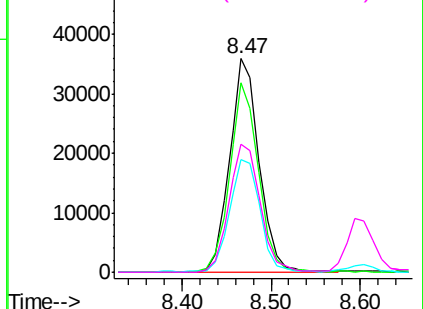


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 46.512 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

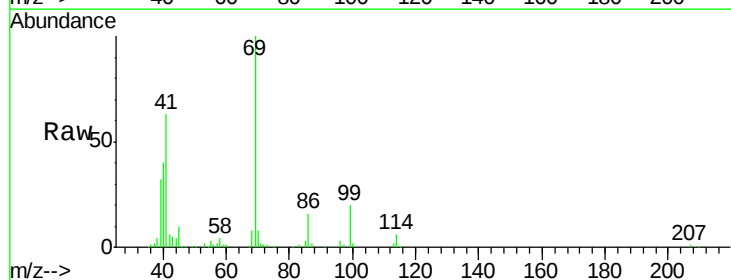
Tgt Ion: 69 Resp: 96546

Ion Ratio Lower Upper

69 100

41 63.2 48.2 72.2

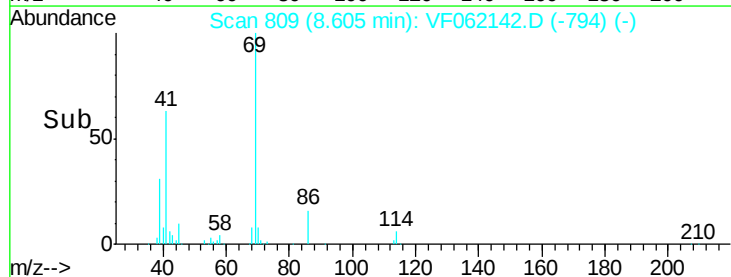
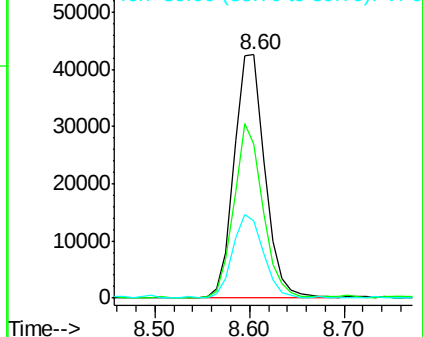
39 32.0 24.0 36.0

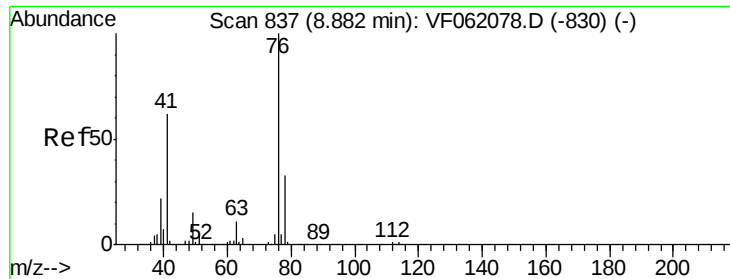


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

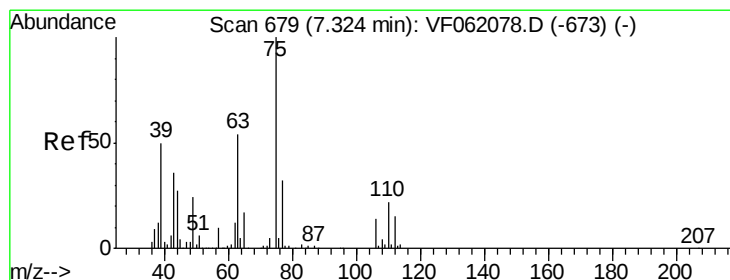
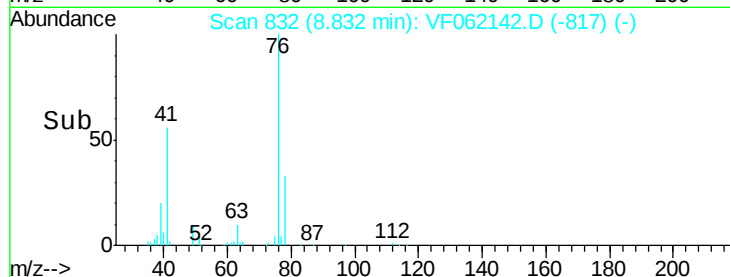
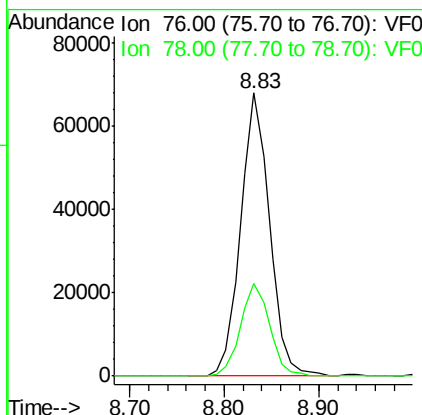
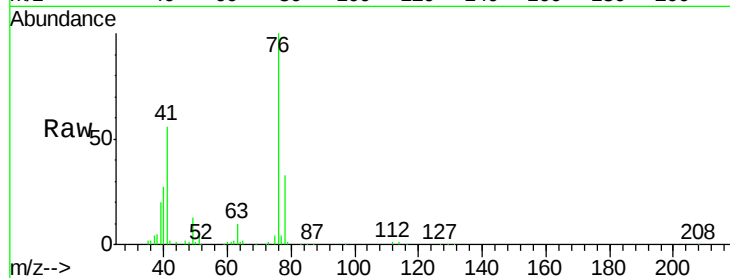




#57
 1,3-Dichloropropane
 Concen: 49.968 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

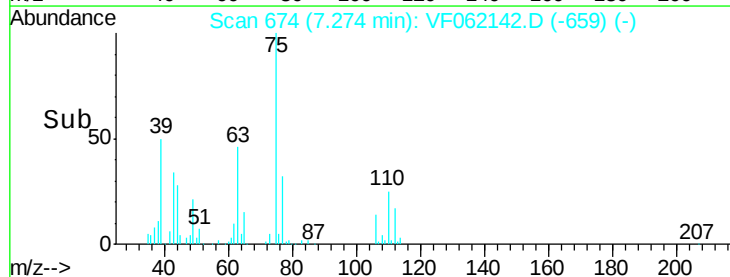
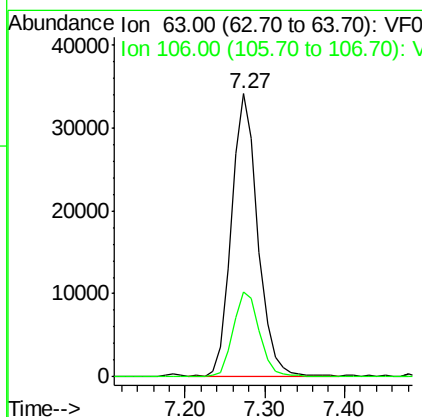
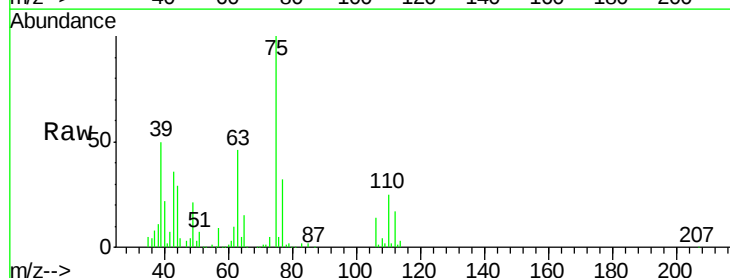
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

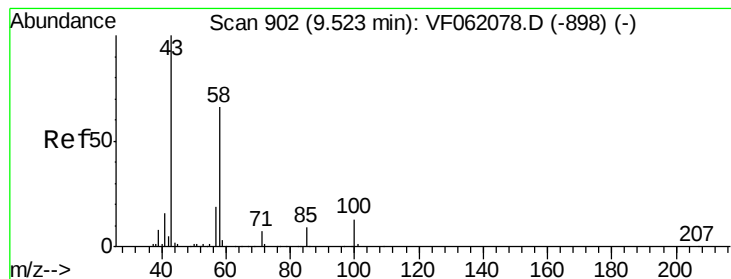
Tot Ion: 76 Resp: 144340
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.457 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.05 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion: 63 Resp: 79202
 Ion Ratio Lower Upper
 63 100
 106 30.0 21.5 32.3





#59

2-Hexanone

Concen: 228.620 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

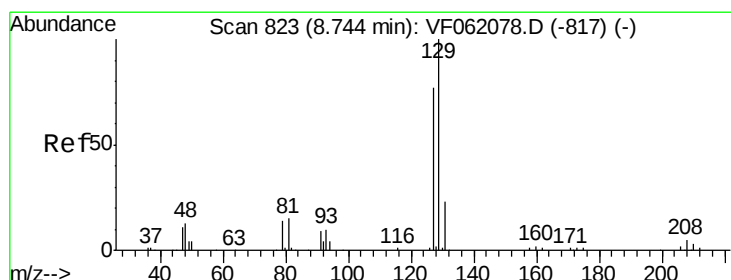
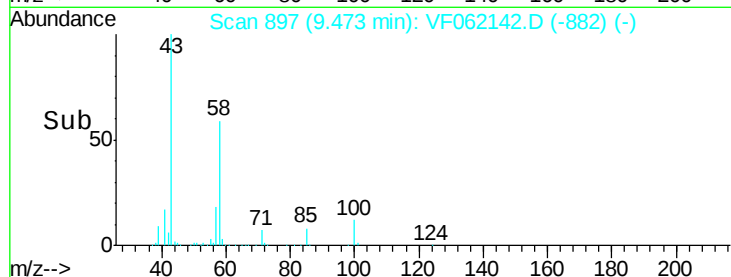
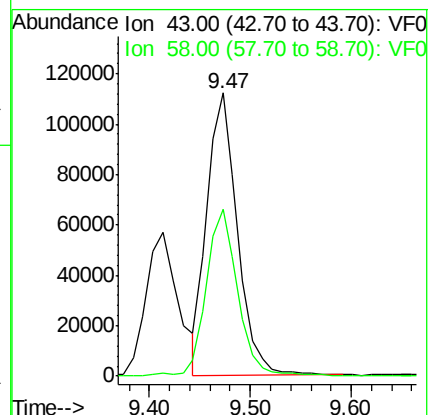
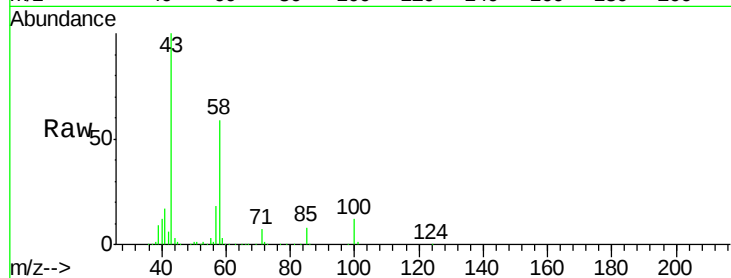
VSTDCCC050

Tot Ion: 43 Resp: 234231

Ion Ratio Lower Upper

43 100

58 58.9 28.8 86.4



#60

Dibromochloromethane

Concen: 51.792 ug/l

RT: 8.69 min Scan# 818

Delta R.T. -0.05 min

Lab File: VF062142.D

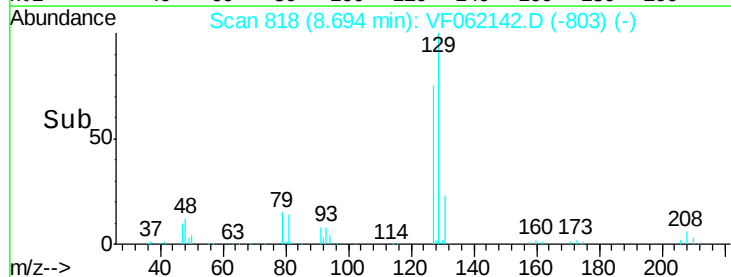
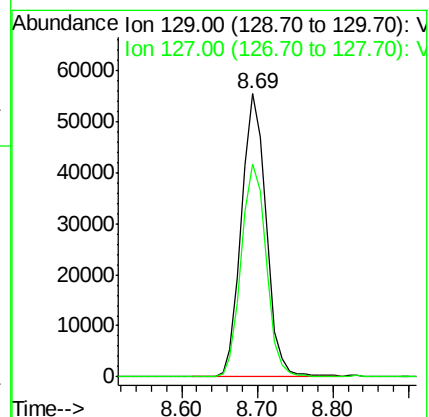
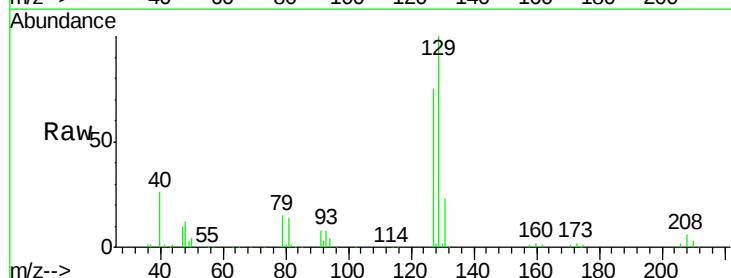
Acq: 26 Mar 2019 13:05

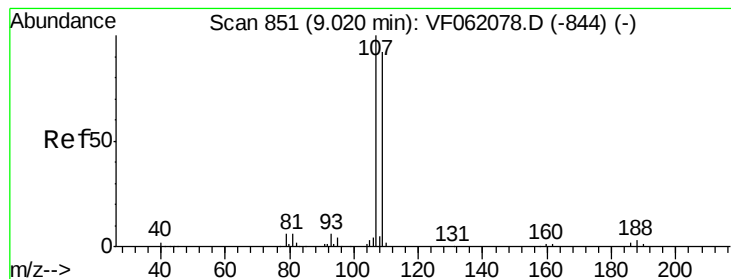
Tgt Ion: 129 Resp: 125313

Ion Ratio Lower Upper

129 100

127 75.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 49.299 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

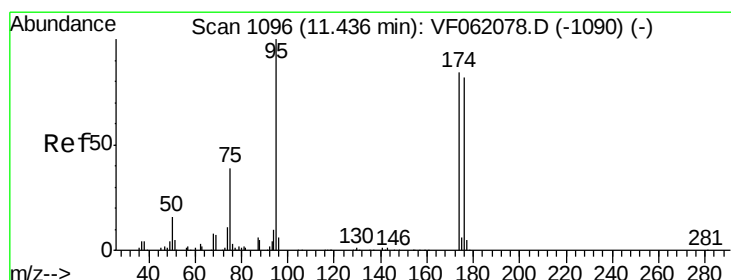
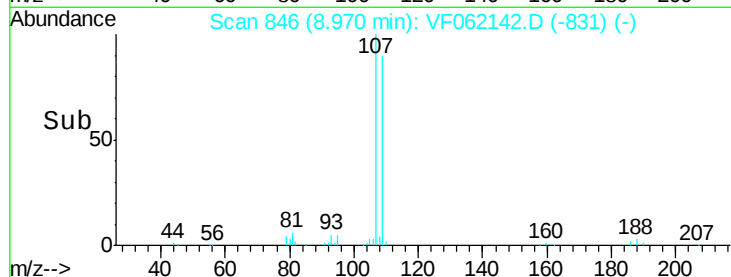
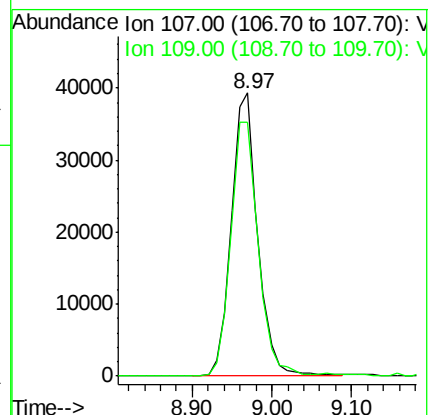
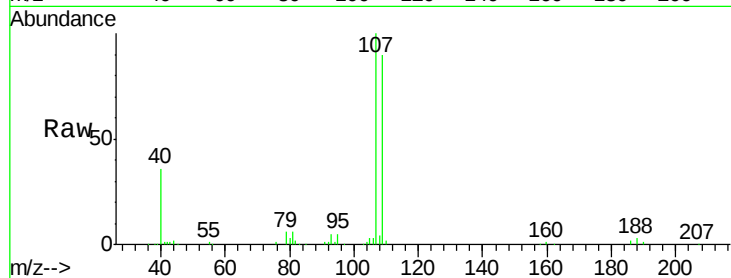
VSTDCCC050

Tot Ion:107 Resp: 91542

Ion Ratio Lower Upper

107 100

109 89.9 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 48.727 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

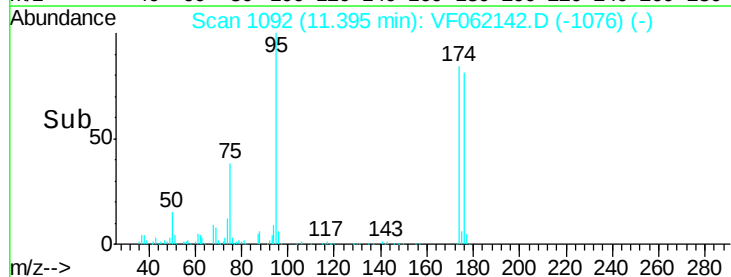
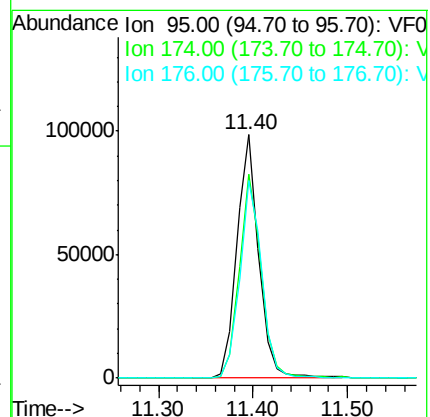
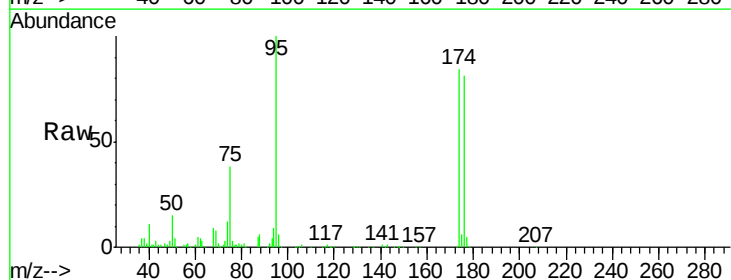
Tgt Ion: 95 Resp: 157370

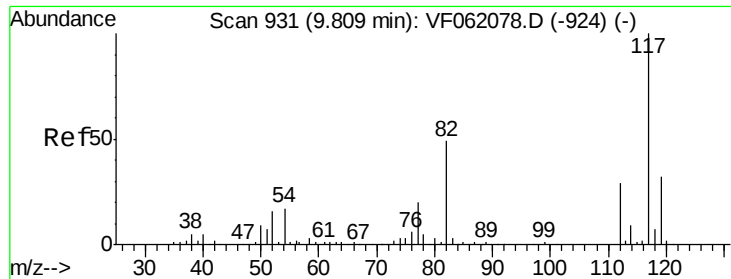
Ion Ratio Lower Upper

95 100

174 84.0 0.0 168.2

176 81.1 0.0 164.2

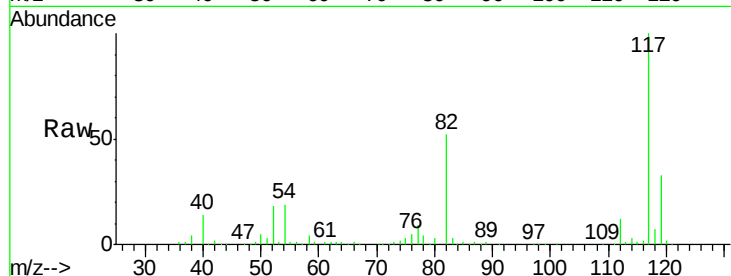




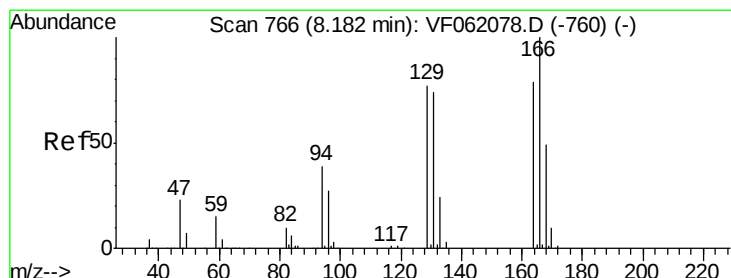
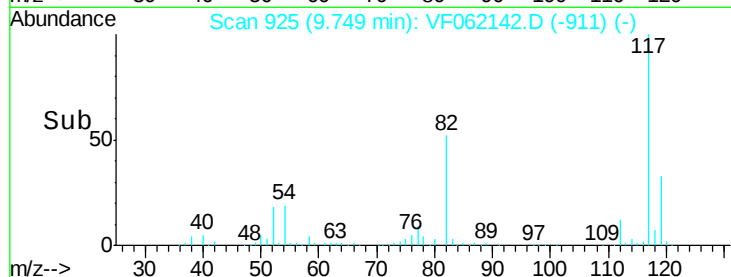
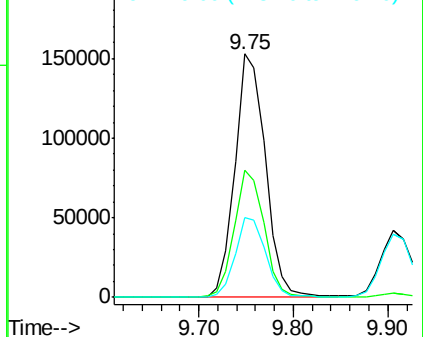
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 343118
Ion Ratio Lower Upper
117 100
82 52.1 39.2 58.8
119 32.6 25.4 38.2

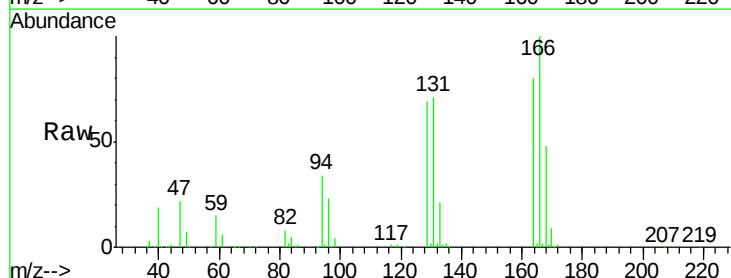


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

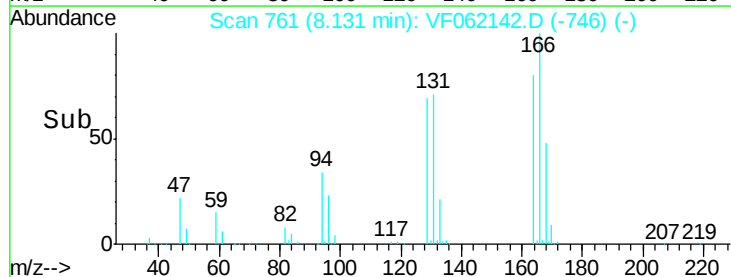
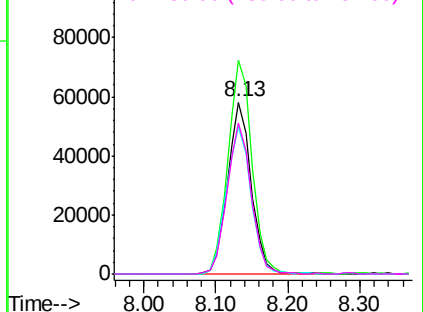


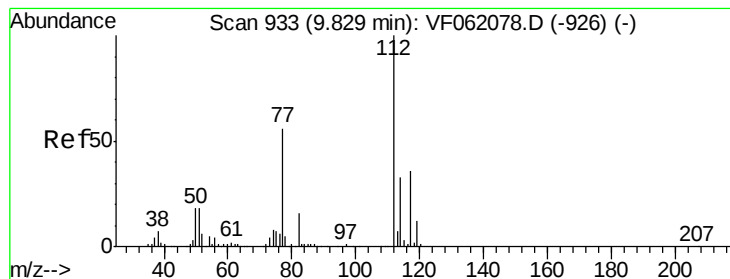
#64
Tetrachloroethene
Concen: 50.118 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion:164 Resp: 132855
Ion Ratio Lower Upper
164 100
166 124.4 100.9 151.3
129 85.4 77.9 116.9
131 88.1 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: 50.352 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

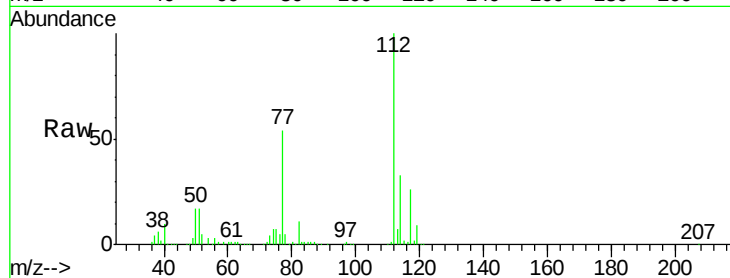
VSTDCCC050

Tot Ion:112 Resp: 323261

Ion Ratio Lower Upper

112 100

114 33.0 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

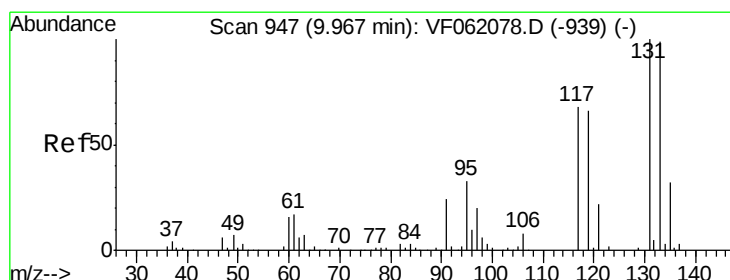
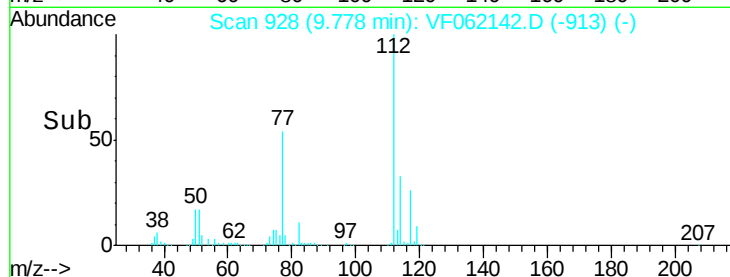
100000

50000

0

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.146 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.06 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

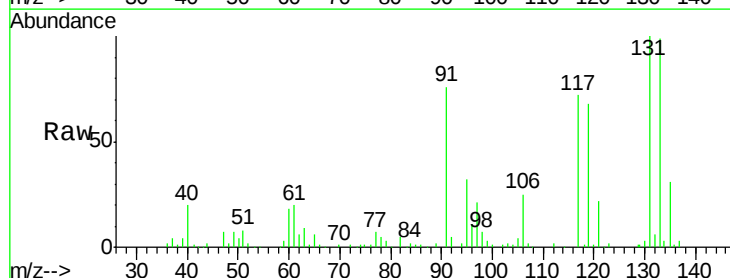
Tgt Ion:131 Resp: 131895

Ion Ratio Lower Upper

131 100

133 99.0 49.3 147.8

119 68.1 33.5 100.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

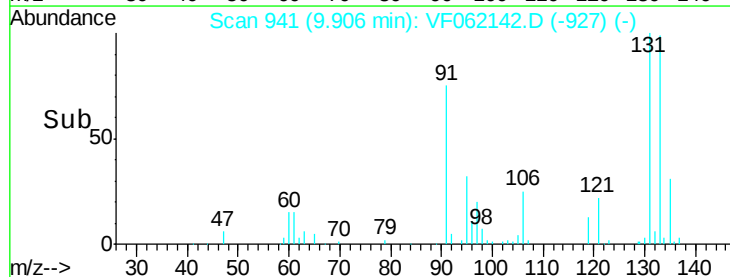
40000

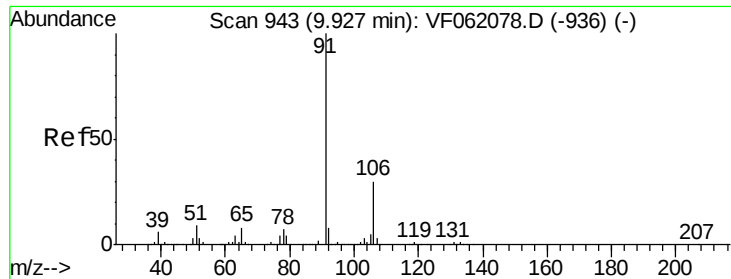
20000

0

9.80 9.90 10.00

Time-->





#67

Ethyl Benzene

Concen: 50.735 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

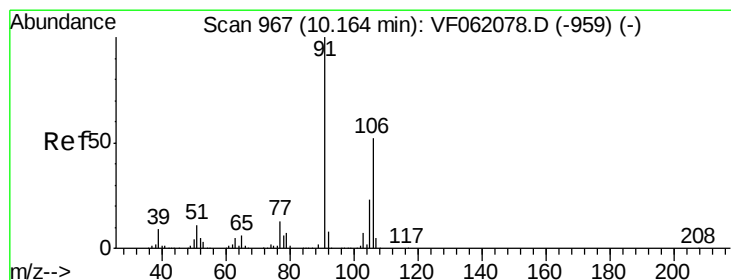
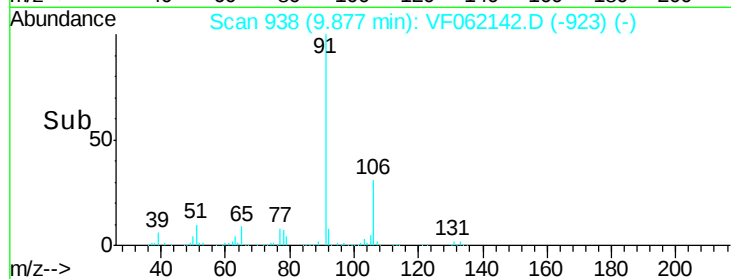
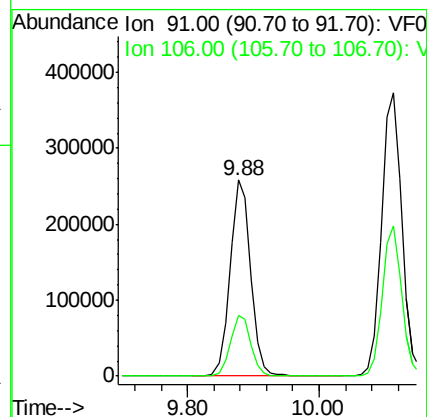
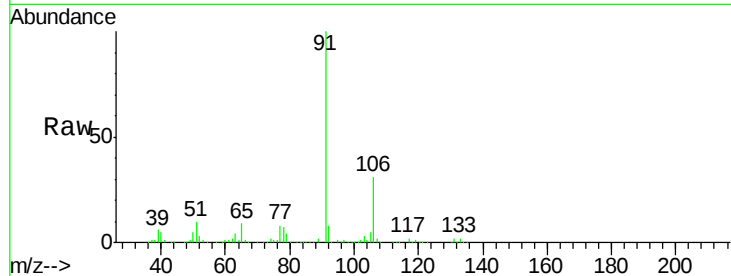
VSTDCCC050

Tot Ion: 91 Resp: 566454

Ion Ratio Lower Upper

91 100

106 30.8 24.0 36.0



#68

m/p-Xylenes

Concen: 99.977 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF062142.D

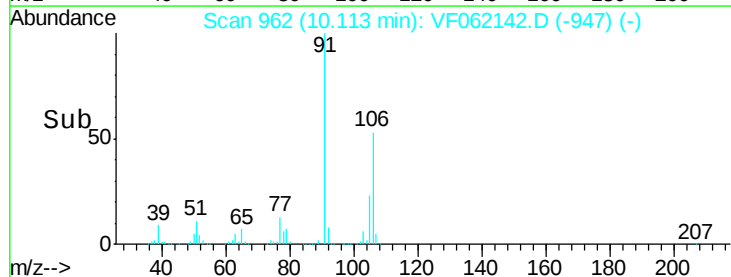
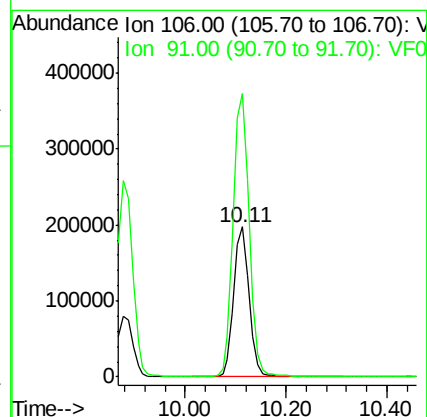
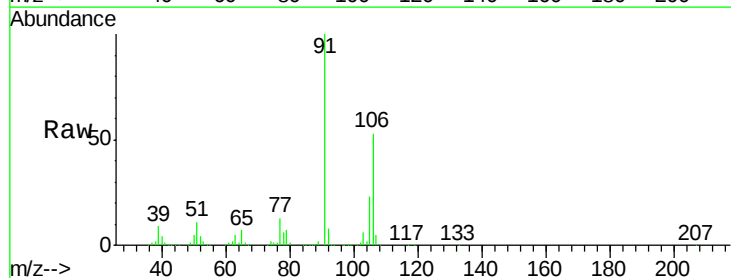
Acq: 26 Mar 2019 13:05

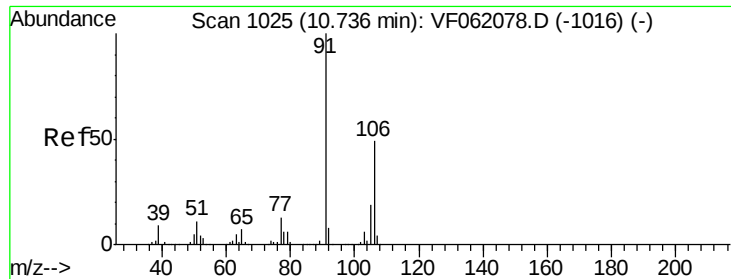
Tgt Ion: 106 Resp: 417203

Ion Ratio Lower Upper

106 100

91 189.1 154.4 231.6

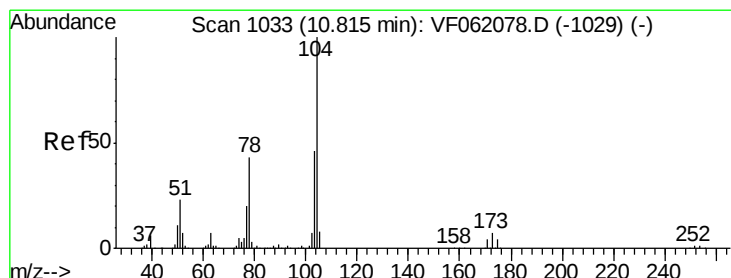
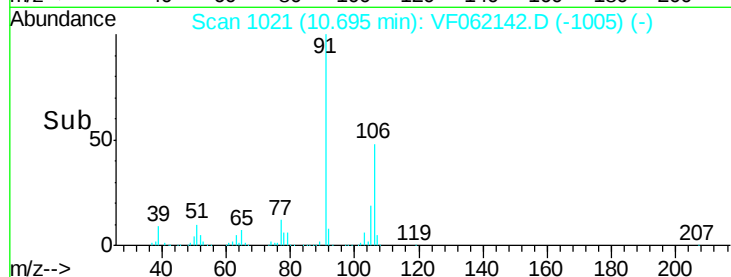
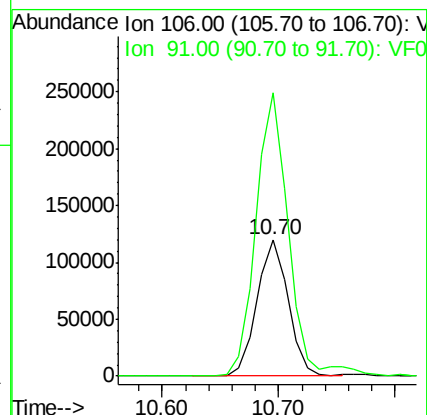
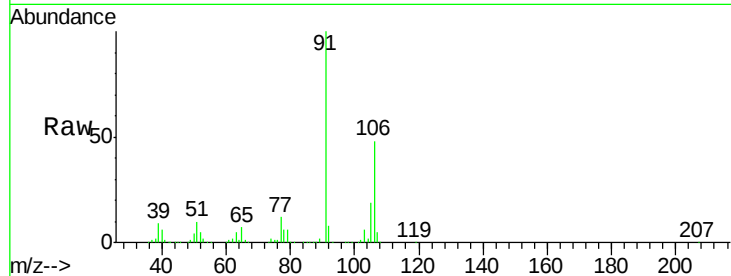




#69
o-Xylene
Concen: 51.109 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.04 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

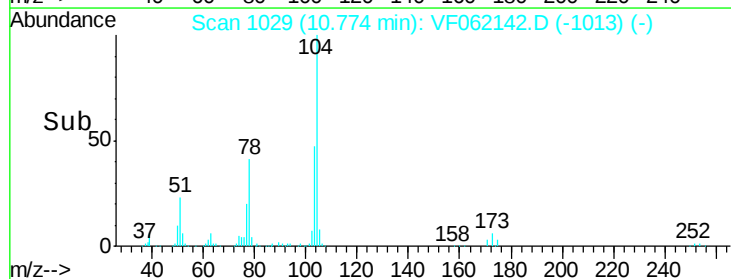
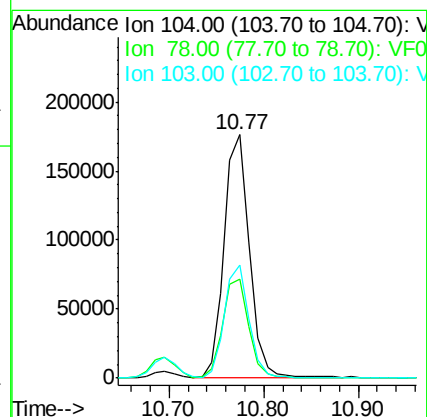
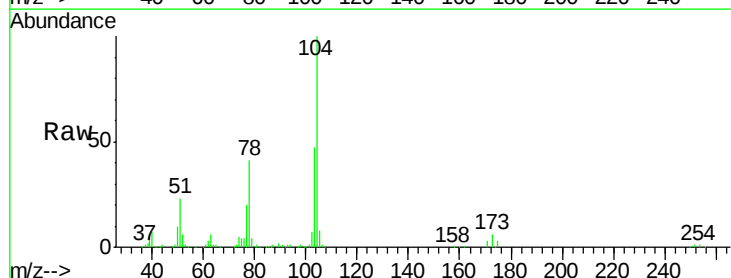
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

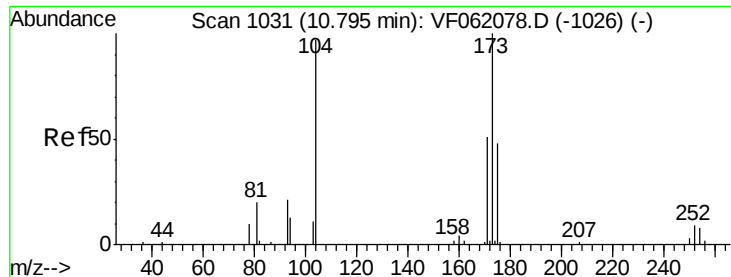
Tot Ion:106 Resp: 223376
Ion Ratio Lower Upper
106 100
91 207.7 102.6 307.8



#70
Styrene
Concen: 49.188 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion:104 Resp: 325727
Ion Ratio Lower Upper
104 100
78 40.8 34.3 51.5
103 46.7 36.9 55.3





#71

Bromoform

Concen: 49.113 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

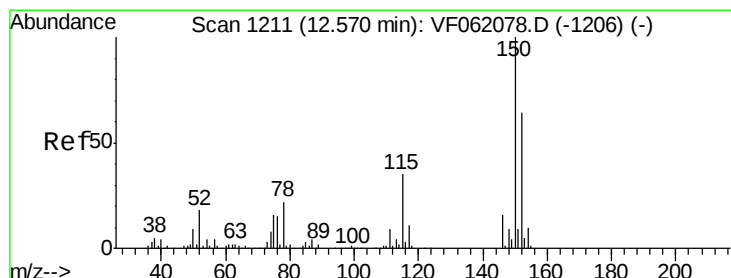
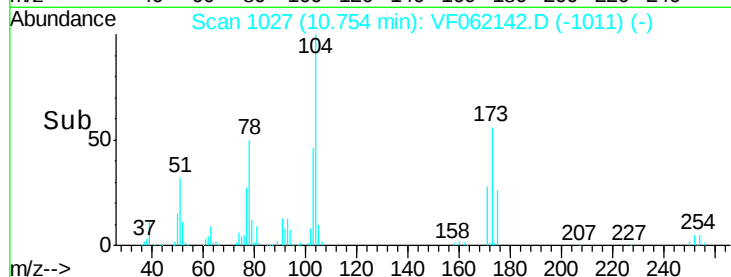
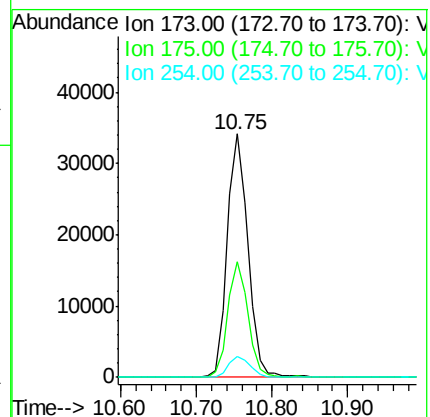
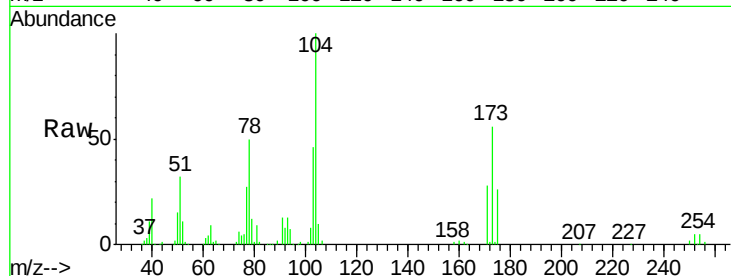
Tot Ion:173 Resp: 64781

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.4

254 8.8 6.2 9.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

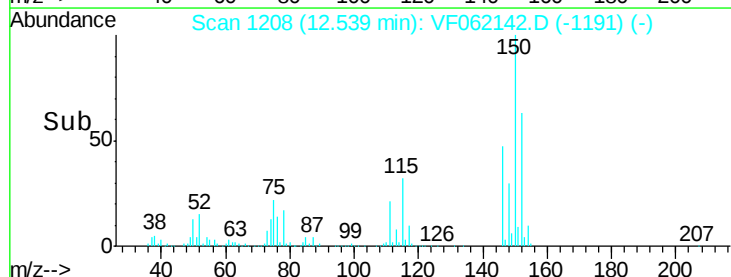
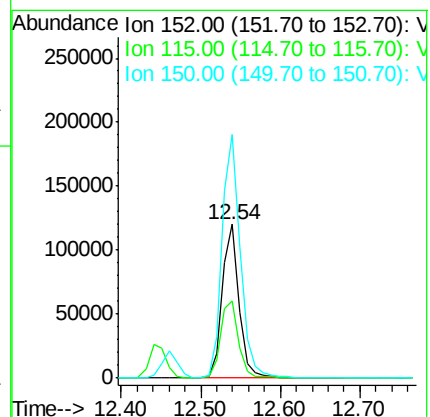
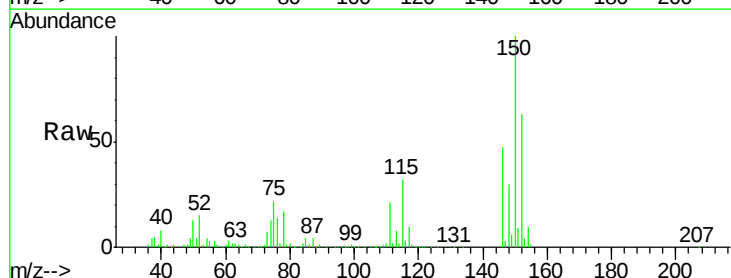
Tgt Ion:152 Resp: 180677

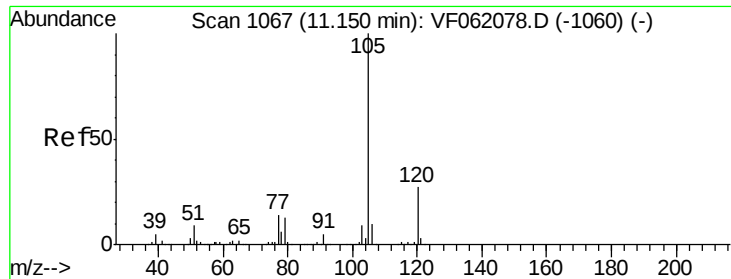
Ion Ratio Lower Upper

152 100

115 50.1 27.7 83.1

150 158.7 0.0 313.2





#73

Isopropylbenzene

Concen: 48.666 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

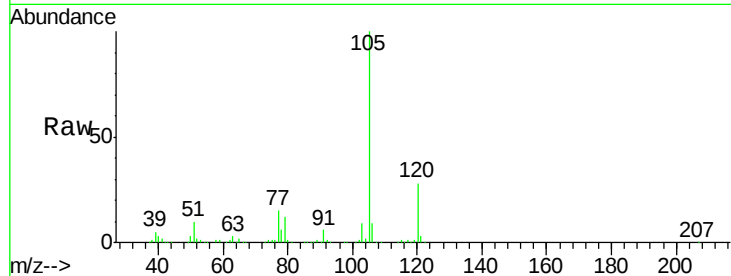
VSTDCCC050

Tot Ion:105 Resp: 618725

Ion Ratio Lower Upper

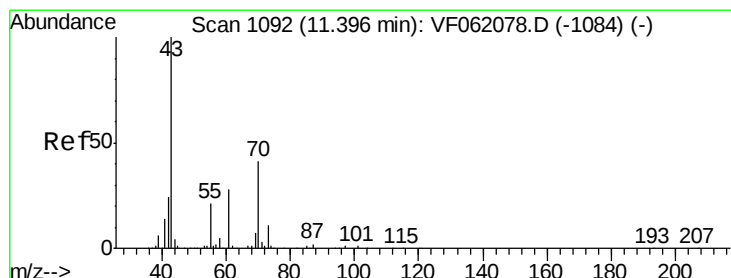
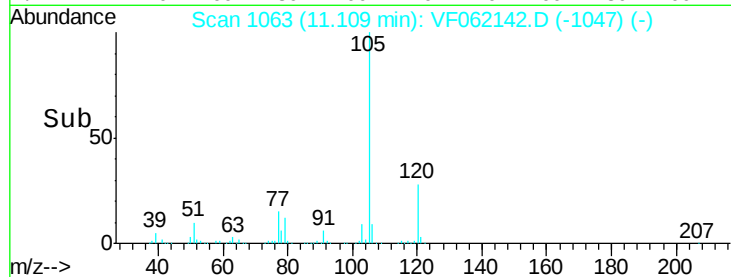
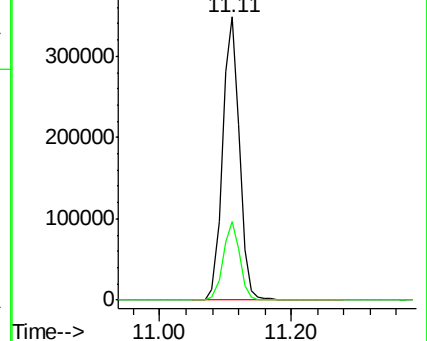
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.828 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Tgt Ion: 43 Resp: 147916

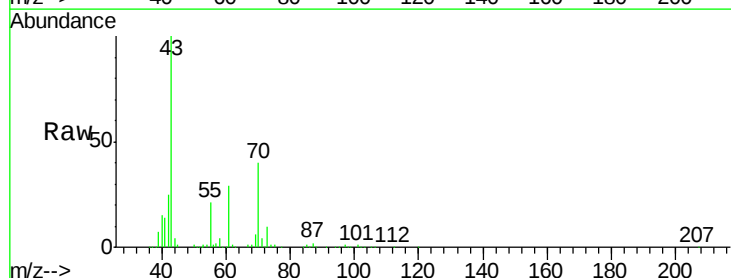
Ion Ratio Lower Upper

43 100

70 39.8 32.9 49.3

55 21.3 17.1 25.7

61 29.2 22.2 33.2

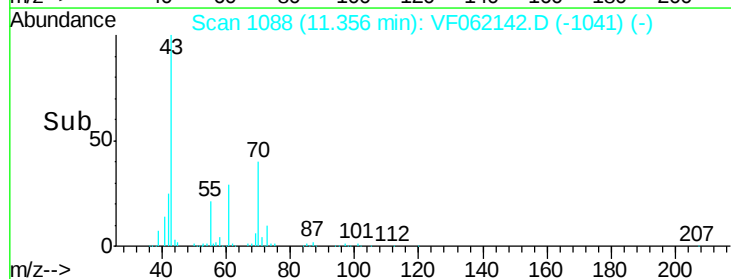
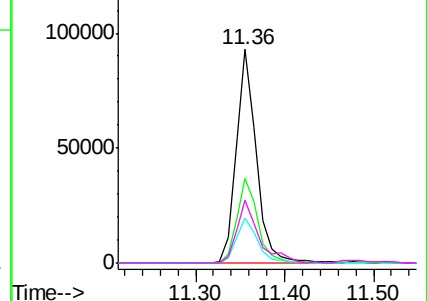


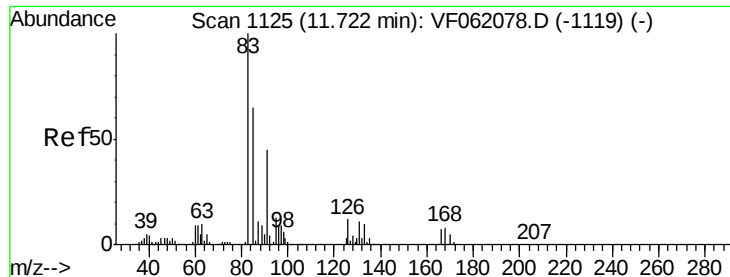
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.795 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

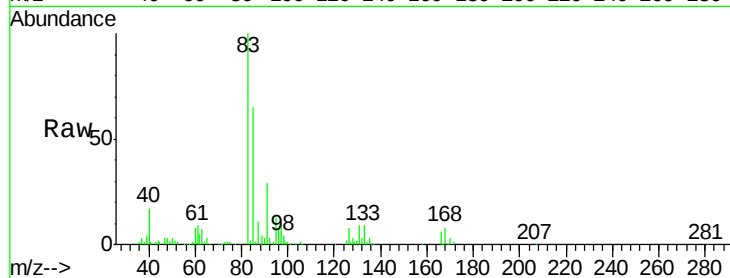
Tot Ion: 83 Resp: 106517

Ion Ratio Lower Upper

83 100

131 9.3 5.3 15.8

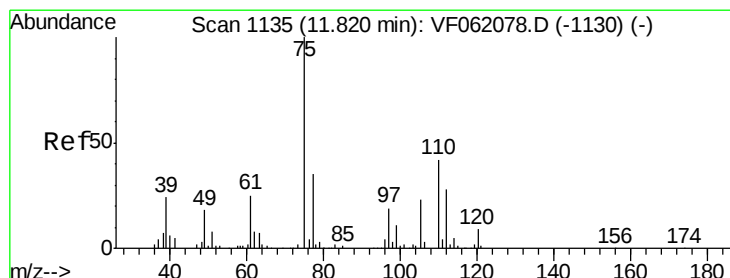
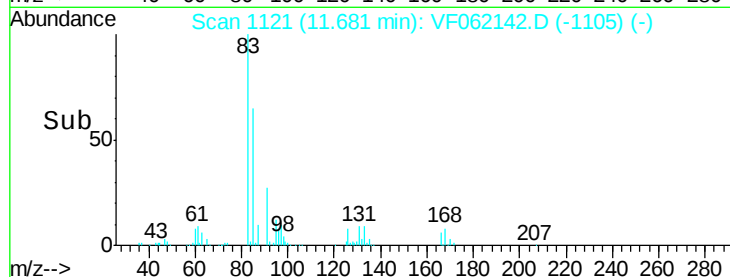
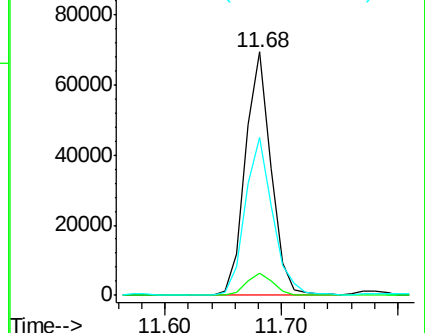
85 64.6 32.6 98.0



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: 26.461 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VF062142.D

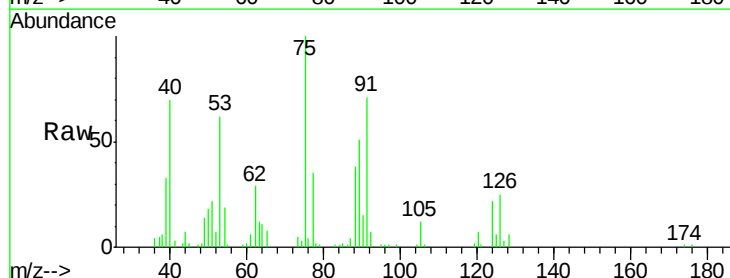
Acq: 26 Mar 2019 13:05

Tgt Ion: 75 Resp: 40651

Ion Ratio Lower Upper

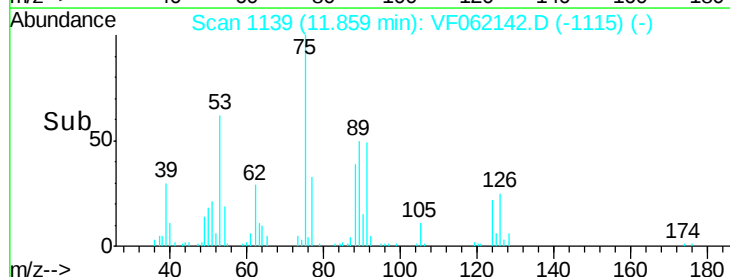
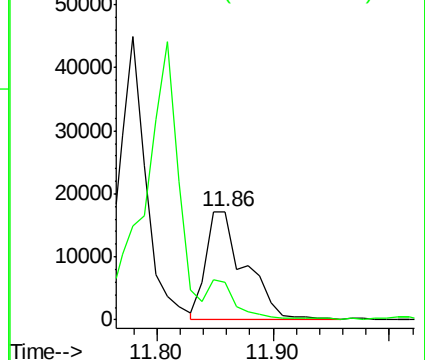
75 100

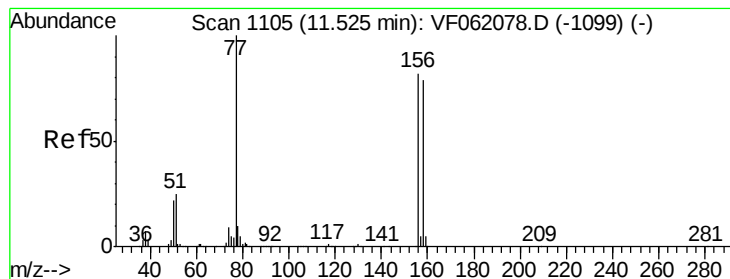
77 34.6 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.892 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

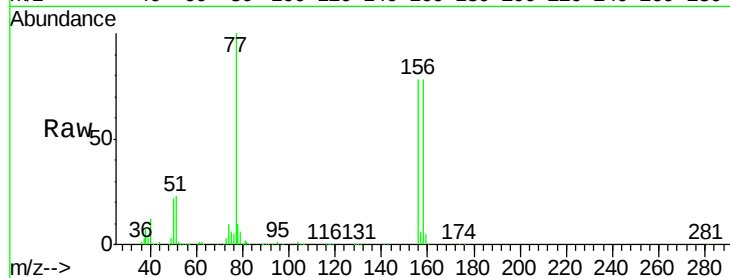
Tot Ion:156 Resp: 148759

Ion Ratio Lower Upper

156 100

77 128.3 61.3 183.9

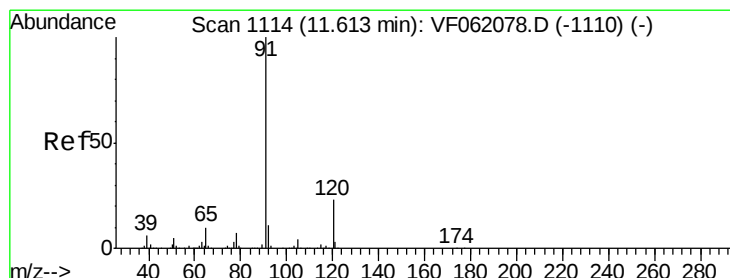
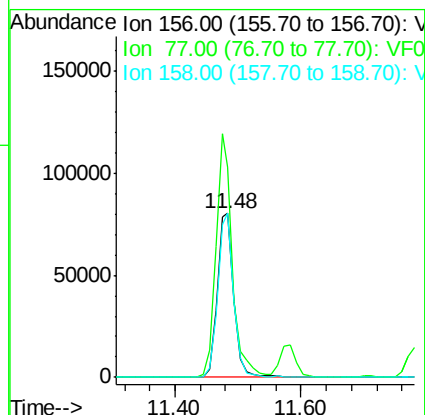
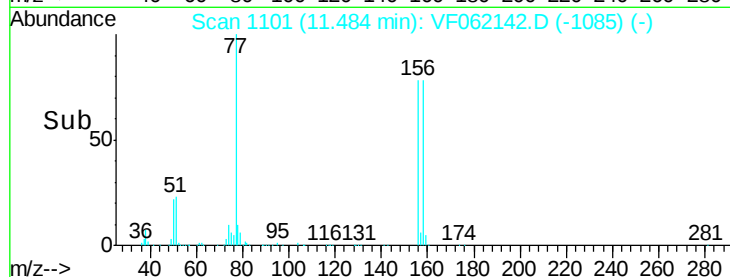
158 100.4 48.6 145.9



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: 48.977 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062142.D

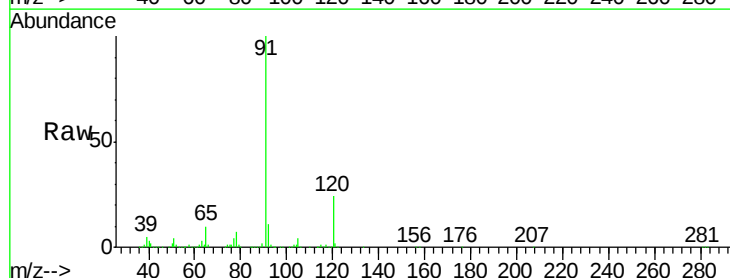
Acq: 26 Mar 2019 13:05

Tgt Ion: 91 Resp: 723033

Ion Ratio Lower Upper

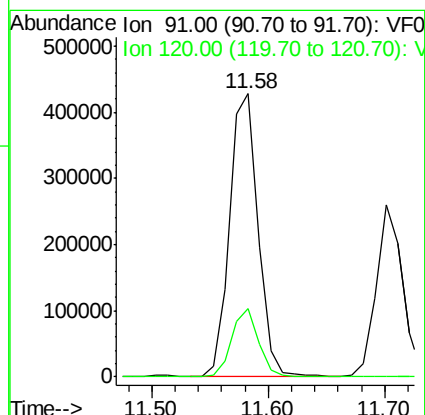
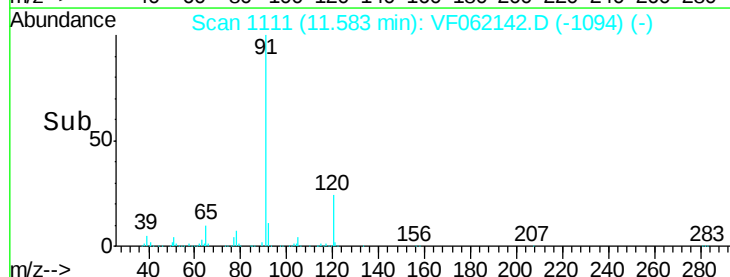
91 100

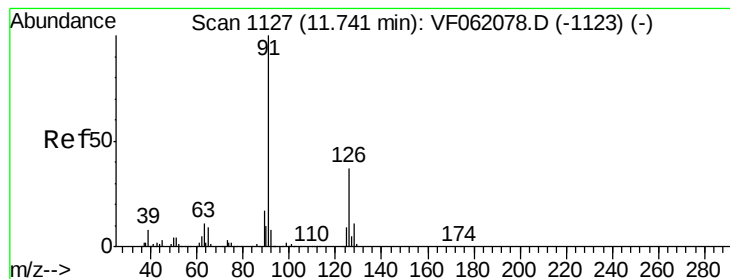
120 24.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.008 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

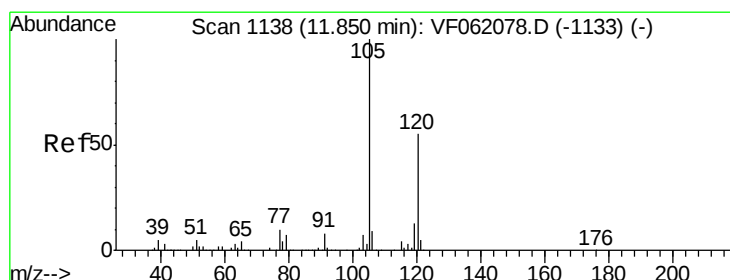
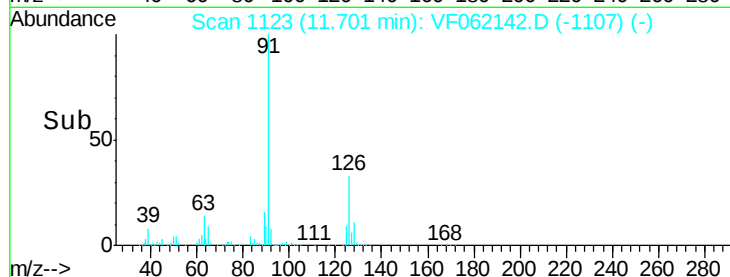
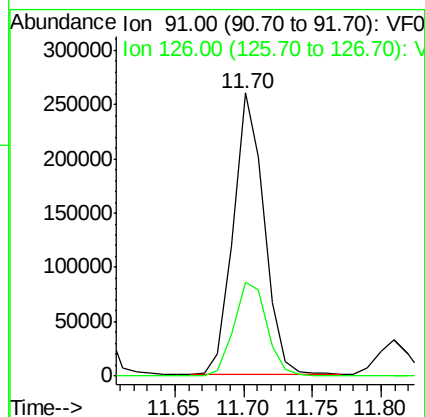
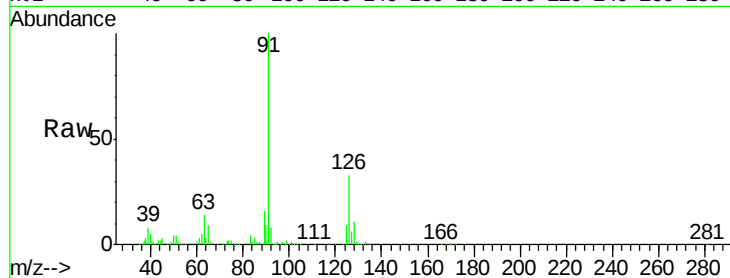
VSTDCCC050

Tot Ion: 91 Resp: 402138

Ion Ratio Lower Upper

91 100

126 33.3 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 50.295 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF062142.D

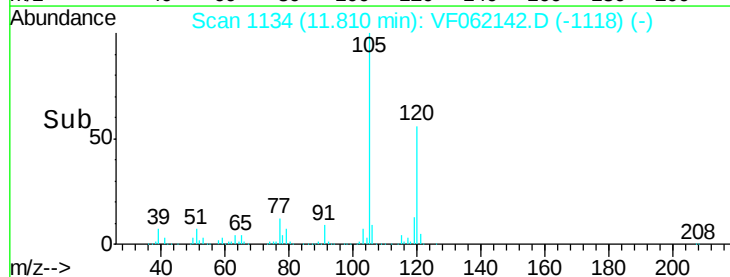
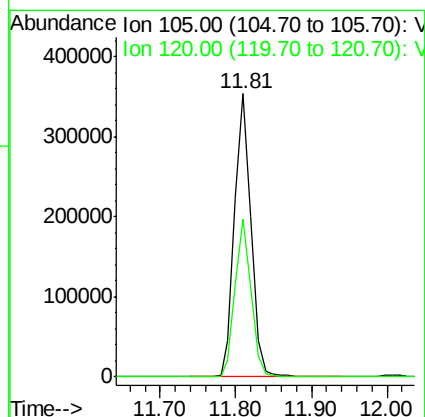
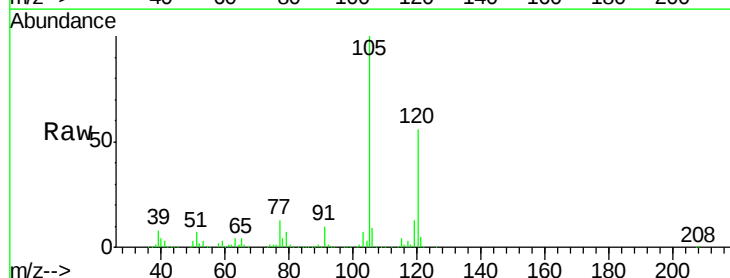
Acq: 26 Mar 2019 13:05

Tgt Ion: 105 Resp: 525960

Ion Ratio Lower Upper

105 100

120 55.8 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 64.938 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

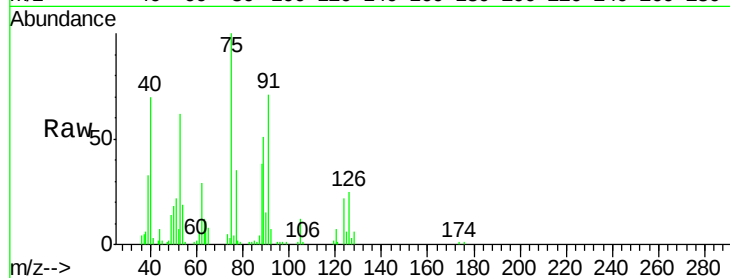
Tot Ion: 75 Resp: 40651

Ion Ratio Lower Upper

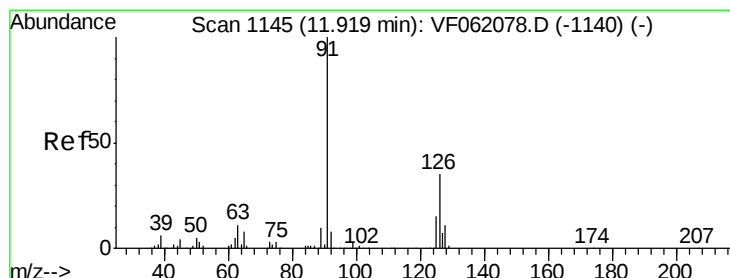
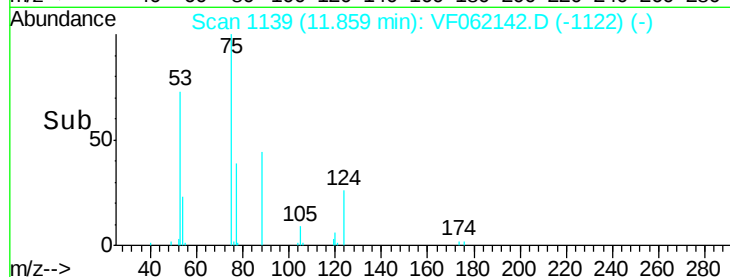
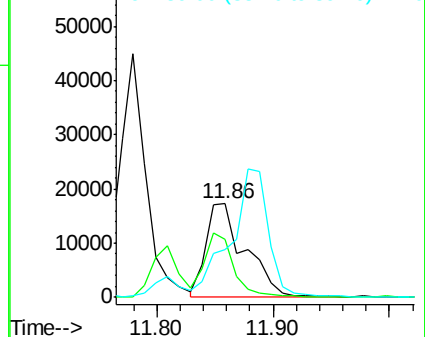
75 100

53 61.5 49.4 74.0

89 50.8 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 48.153 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.04 min

Lab File: VF062142.D

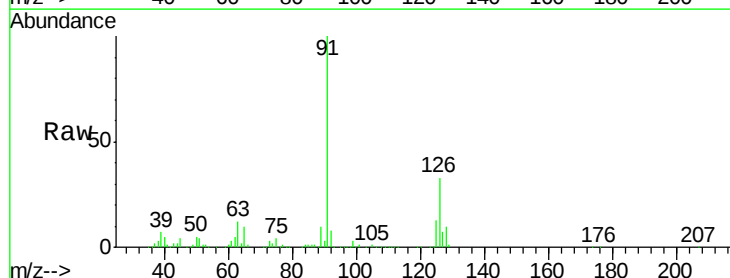
Acq: 26 Mar 2019 13:05

Tgt Ion: 91 Resp: 405127

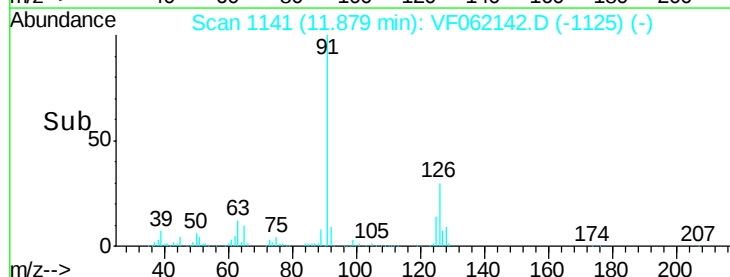
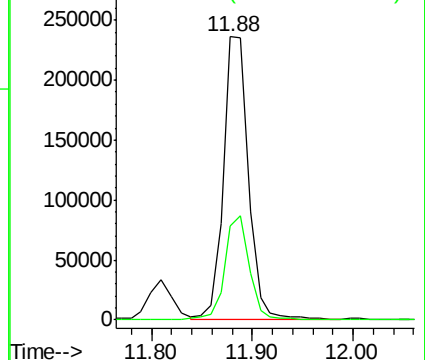
Ion Ratio Lower Upper

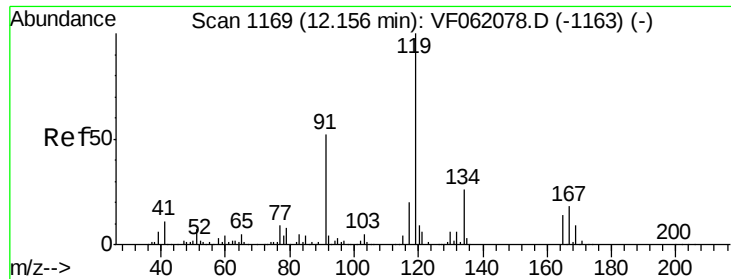
91 100

126 33.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

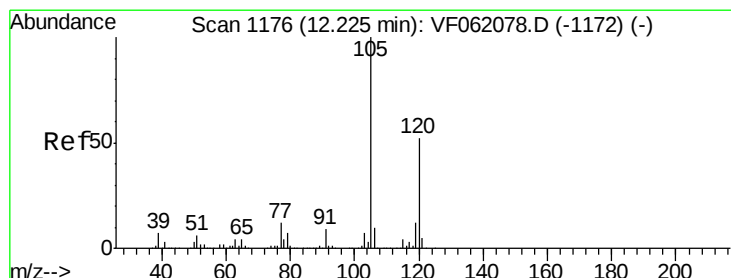
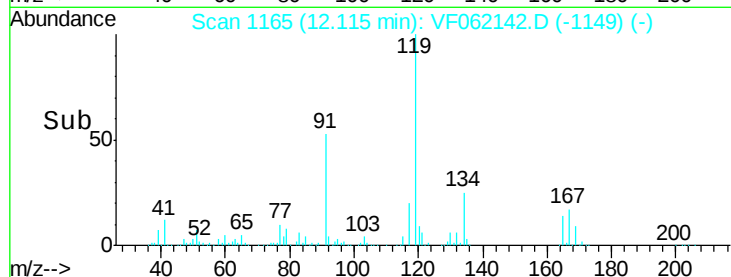
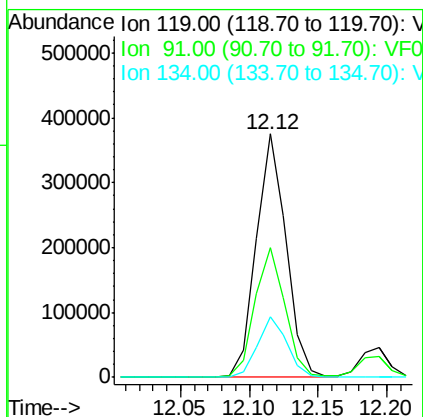
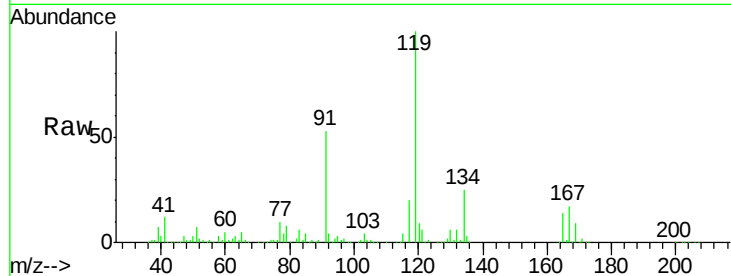




#83
tert-Butylbenzene
Concen: 52.138 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.04 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

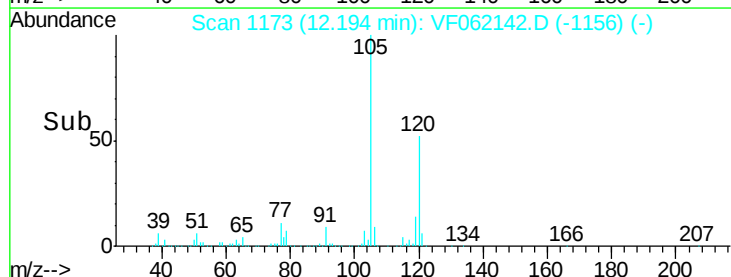
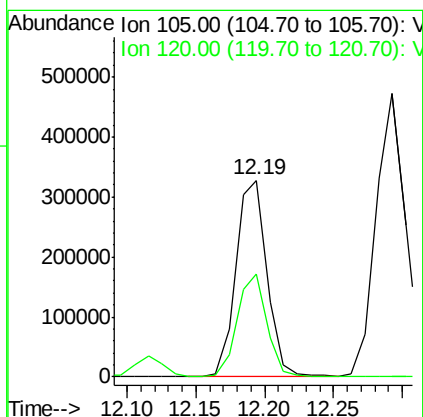
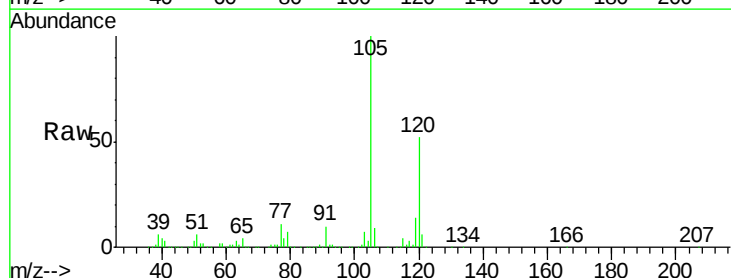
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

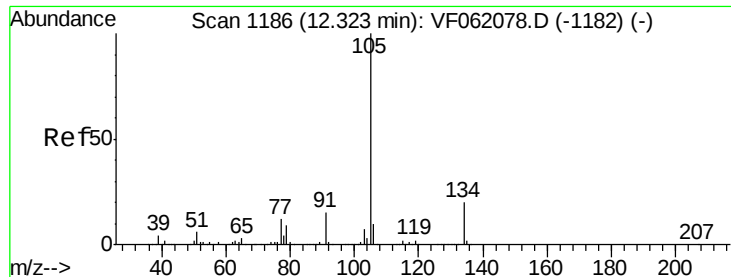
Tot Ion:119 Resp: 570760
Ion Ratio Lower Upper
119 100
91 53.2 26.1 78.2
134 25.0 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 50.378 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion:105 Resp: 516459
Ion Ratio Lower Upper
105 100
120 52.2 26.1 78.2





#85

sec-Butylbenzene

Concen: 50.195 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

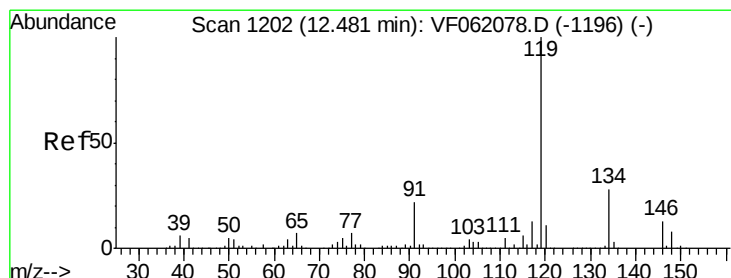
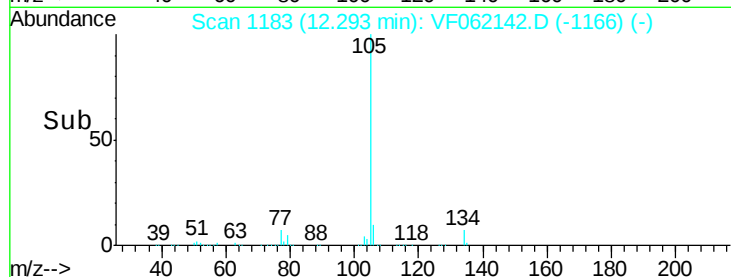
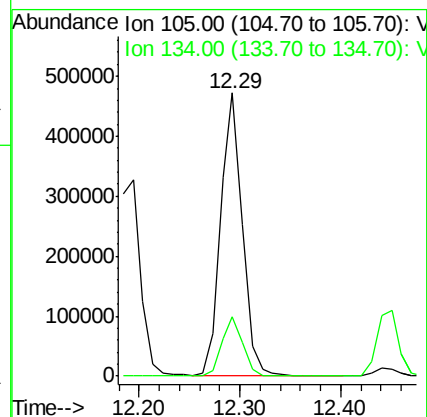
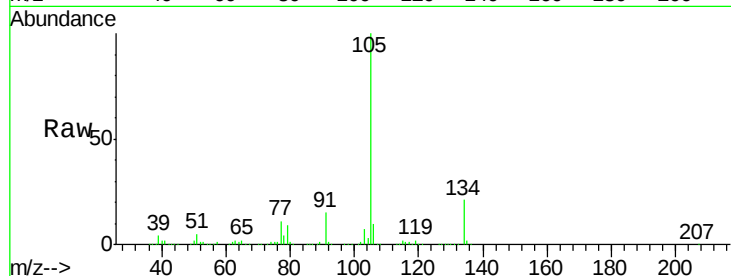
VSTDCCC050

Tot Ion:105 Resp: 710842

Ion Ratio Lower Upper

105 100

134 21.2 10.2 30.4



#86

p-Isopropyltoluene

Concen: 51.304 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

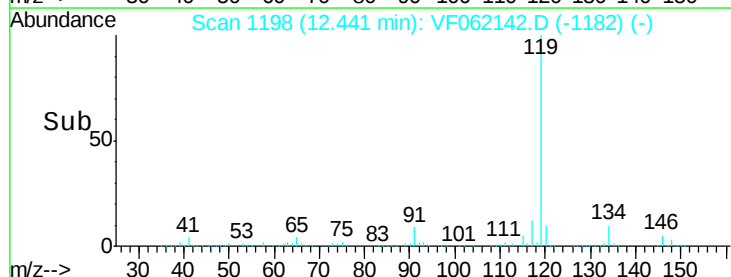
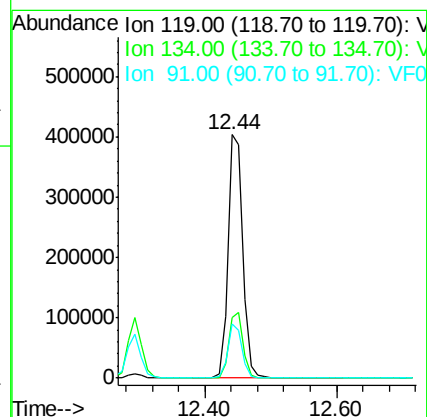
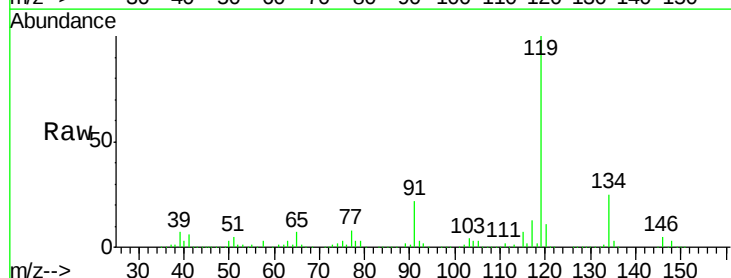
Tgt Ion:119 Resp: 629468

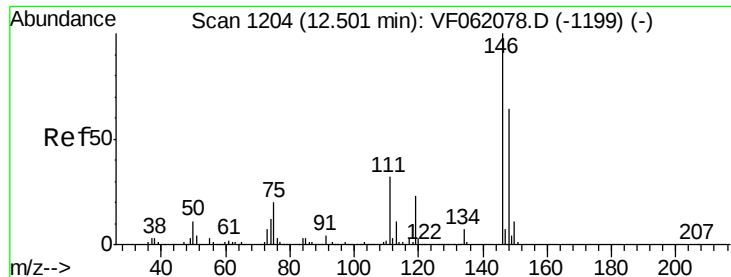
Ion Ratio Lower Upper

119 100

134 25.1 14.0 42.0

91 22.1 10.8 32.4

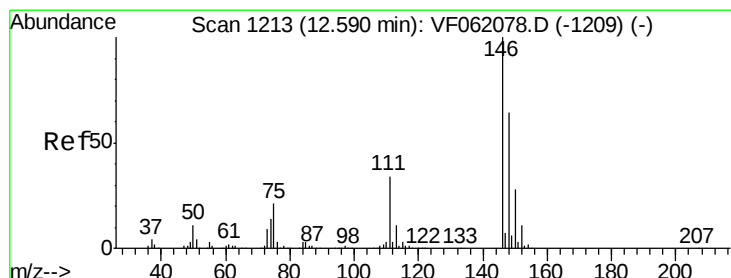
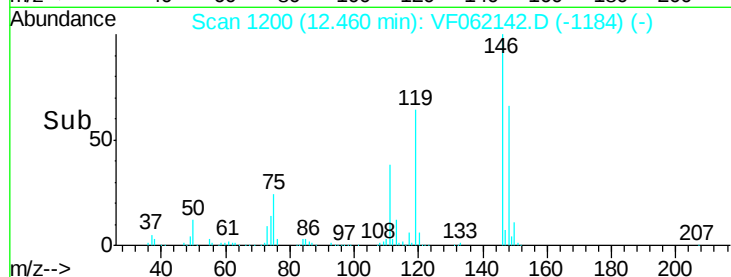
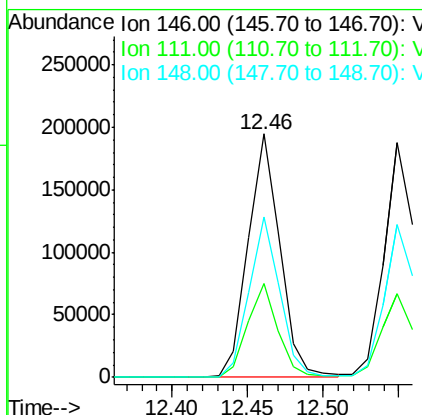
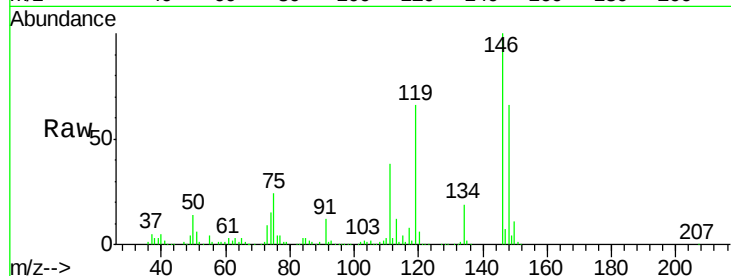




#87
 1,3-Dichlorobenzene
 Concen: 49.544 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

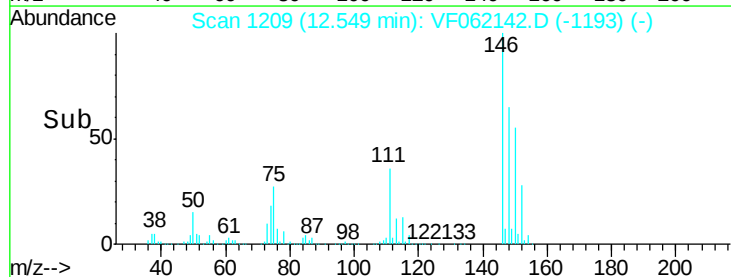
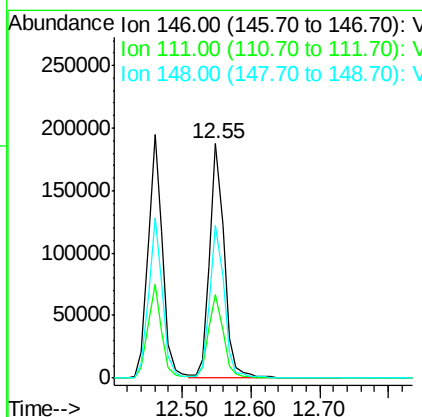
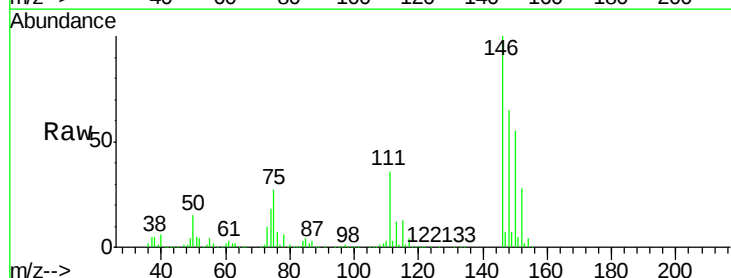
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

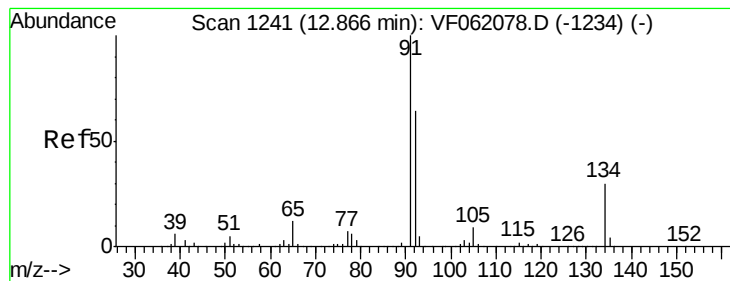
Tot Ion:146 Resp: 285908
 Ion Ratio Lower Upper
 146 100
 111 38.3 16.1 48.3
 148 66.1 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 49.240 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion:146 Resp: 277279
 Ion Ratio Lower Upper
 146 100
 111 36.0 16.9 50.6
 148 65.0 31.9 95.7





#89

n-Butylbenzene

Concen: 49.631 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

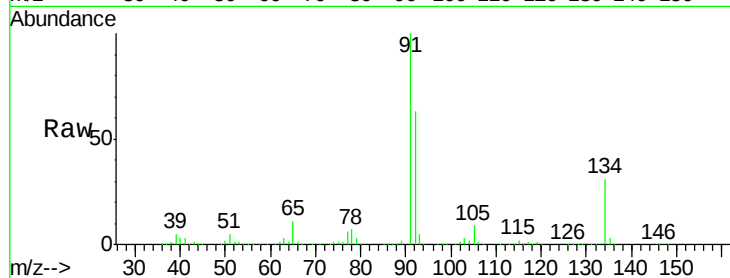
Tot Ion: 91 Resp: 580962

Ion Ratio Lower Upper

91 100

92 62.6 31.9 95.5

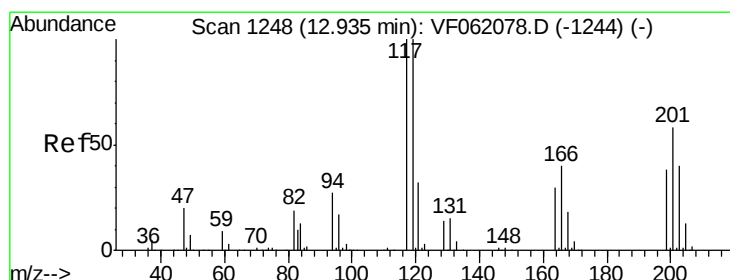
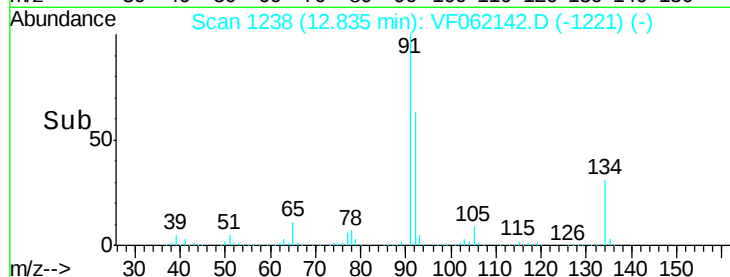
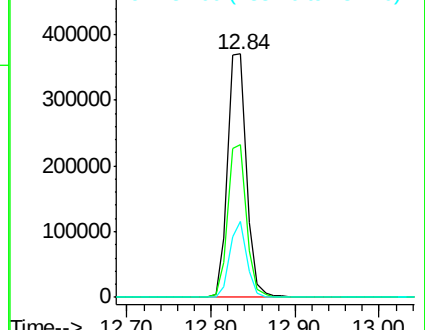
134 31.4 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.695 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF062142.D

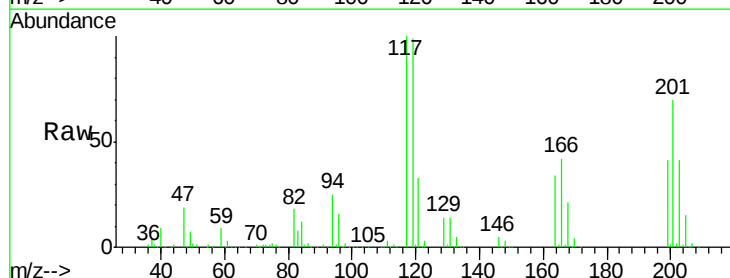
Acq: 26 Mar 2019 13:05

Tgt Ion: 117 Resp: 153947

Ion Ratio Lower Upper

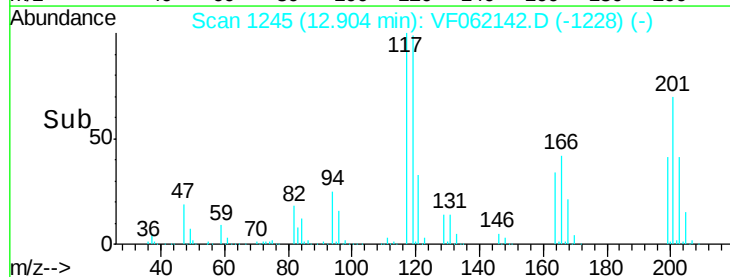
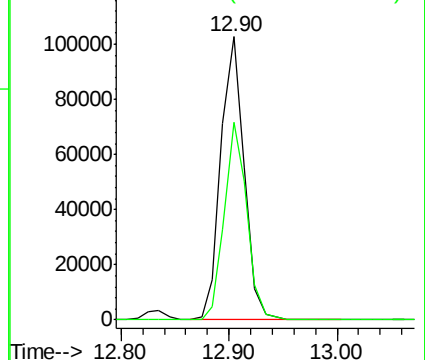
117 100

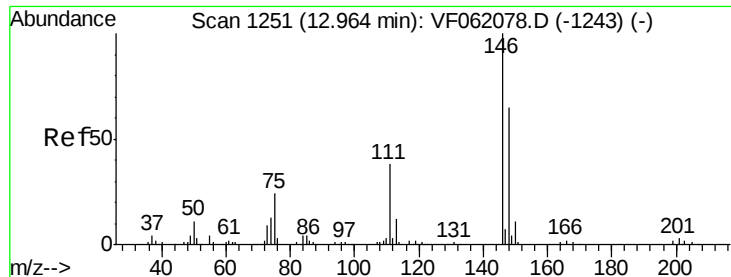
201 69.7 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 49.113 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.04 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

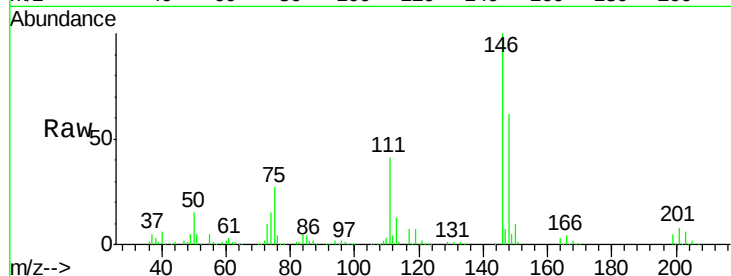
Tot Ion:146 Resp: 266133

Ion Ratio Lower Upper

146 100

111 41.0 19.1 57.3

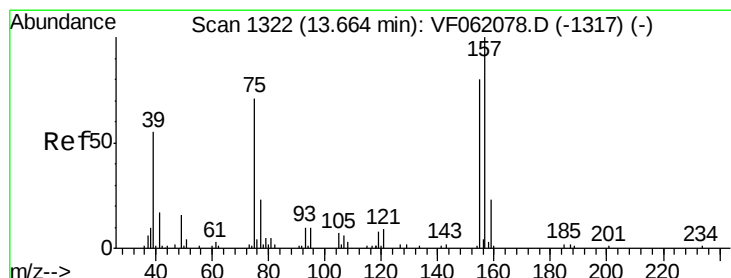
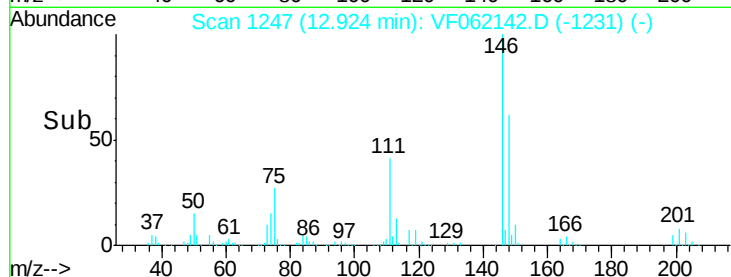
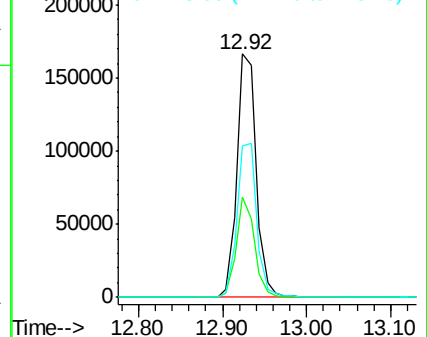
148 62.1 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.263 ug/l

RT: 13.63 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VF062142.D

Acq: 26 Mar 2019 13:05

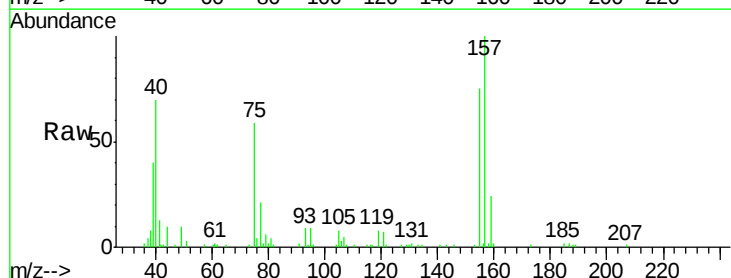
Tgt Ion: 75 Resp: 16294

Ion Ratio Lower Upper

75 100

155 127.2 56.1 168.4

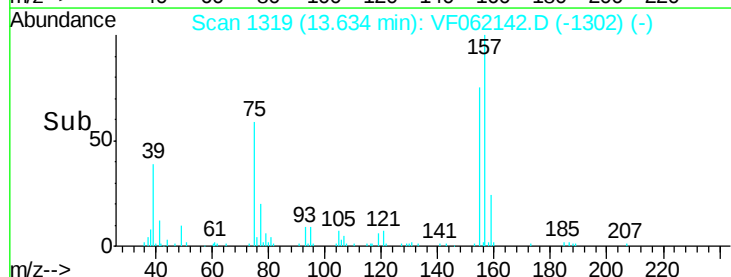
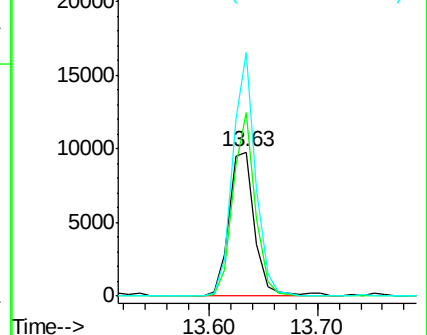
157 168.7 70.4 211.2

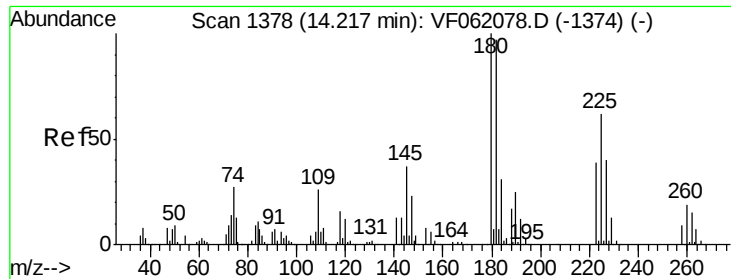


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

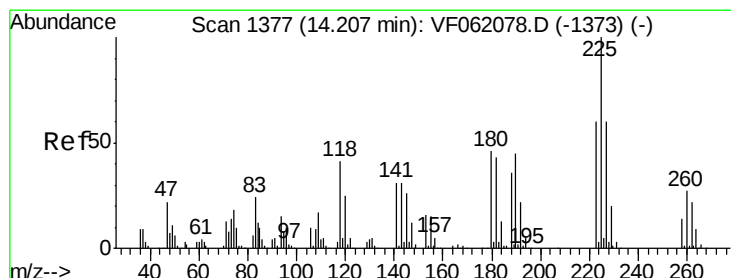
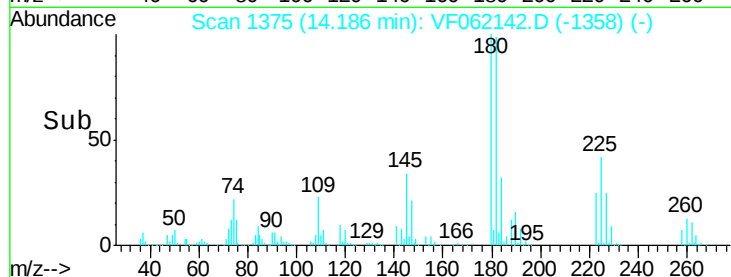
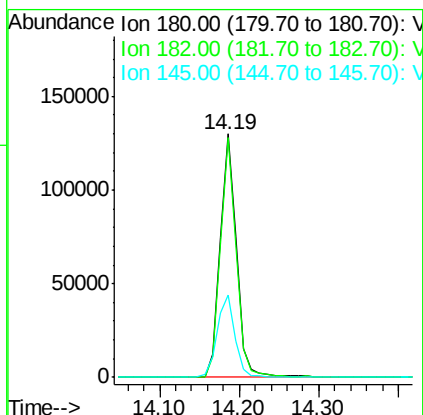
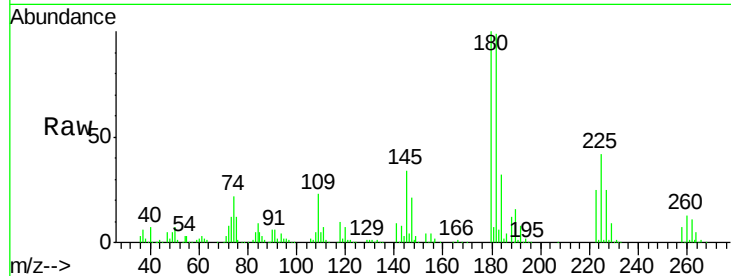




#93
 1,2,4-Trichlorobenzene
 Concen: 50.496 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

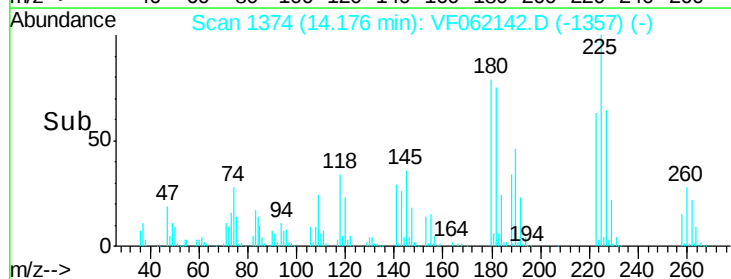
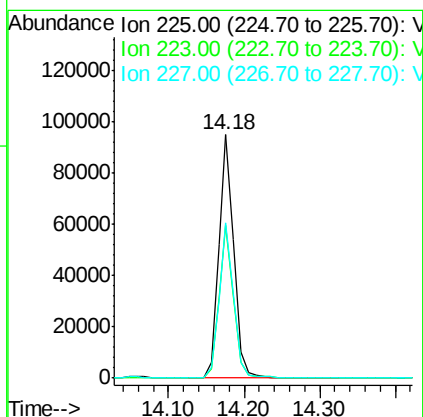
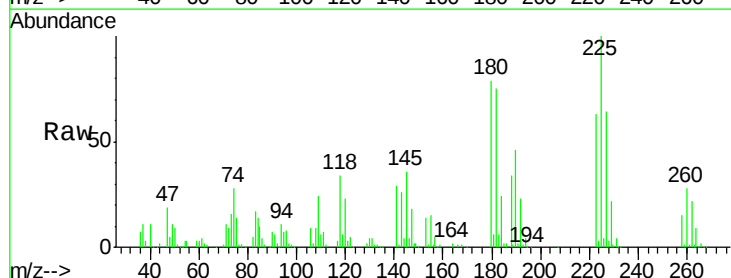
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

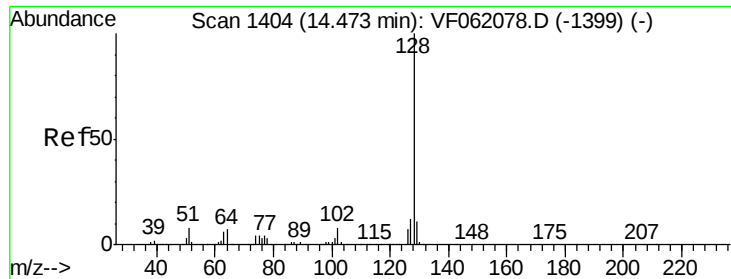
Tot Ion:180 Resp: 190702
 Ion Ratio Lower Upper
 180 100
 182 98.7 48.7 146.1
 145 33.8 18.3 54.8



#94
 Hexachlorobutadiene
 Concen: 52.565 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF062142.D
 Acq: 26 Mar 2019 13:05

Tgt Ion:225 Resp: 131994
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.0 90.0
 227 64.0 30.2 90.6

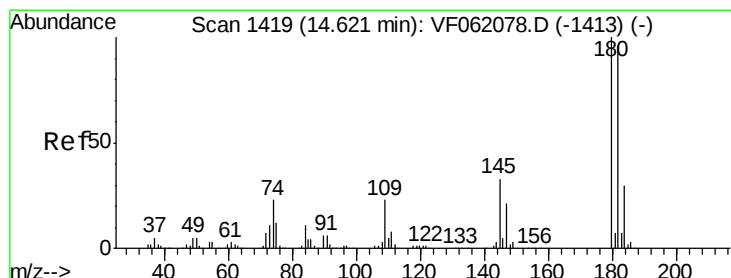
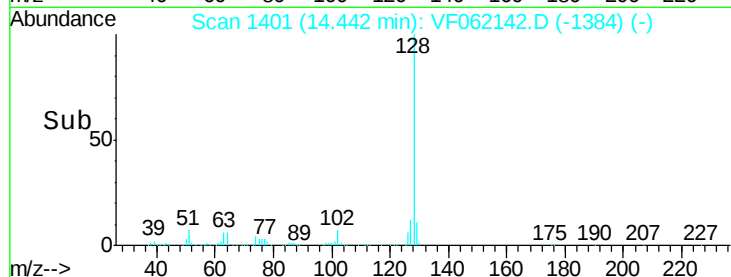
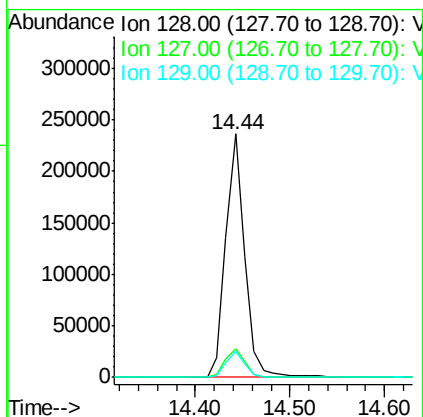
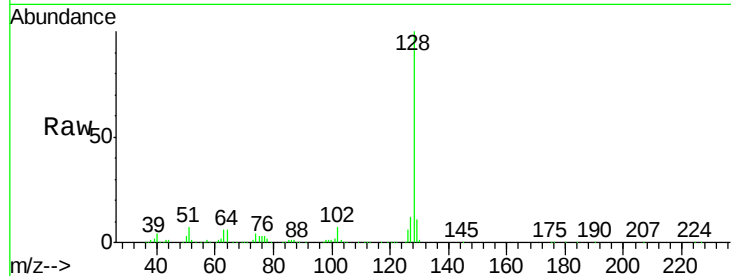




#95
Naphthalene
Concen: 49.624 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 328419
Ion Ratio Lower Upper
128 100
127 11.8 9.5 14.3
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.499 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF062142.D
Acq: 26 Mar 2019 13:05

Tgt Ion:180 Resp: 178518
Ion Ratio Lower Upper
180 100
182 96.4 47.9 143.7
145 31.3 16.6 49.7

