

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060540.D
 Acq On : 30 Oct 2018 11:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 31 04:48:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	310023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	484089	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	410802	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	232953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	235425	49.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	4.29	113	228831	49.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	7.71	98	578260	50.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.51	95	255634	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	245522	46.267	ug/l	95
3) Chloromethane	1.13	50	155002	48.166	ug/l	97
4) Vinyl Chloride	1.18	62	177657	47.796	ug/l	97
5) Bromomethane	1.37	94	153617	52.588	ug/l	95
6) Chloroethane	1.43	64	96420	49.821	ug/l	95
7) Trichlorofluoromethane	1.54	101	444873	49.677	ug/l	97
8) Diethyl Ether	1.70	74	56642	50.432	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212042	53.678	ug/l	96
10) Methyl Iodide	1.96	142	343746	50.746	ug/l	97
11) Tert butyl alcohol	2.68	59	53667	284.910	ug/l	98
12) 1,1-Dichloroethene	1.85	96	166339	47.743	ug/l	92
13) Acrolein	2.09	56	46504	267.869	ug/l	99
14) Allyl chloride	2.19	41	288907	52.151	ug/l	90
15) Acrylonitrile	3.06	53	109635	229.280	ug/l	98
16) Acetone	2.34	43	241656	263.262	ug/l	99
17) Carbon Disulfide	1.84	76	183081	18.697	ug/l	99
18) Methyl Acetate	2.44	43	76284	51.868	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	384434	49.246	ug/l	99
20) Methylene Chloride	2.28	84	152608	48.350	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	174522	48.977	ug/l	96
22) Diisopropyl ether	2.92	45	529106	52.580	ug/l	97
23) Vinyl Acetate	3.33	43	902444	241.768	ug/l	99
24) 1,1-Dichloroethane	3.00	63	348743	48.028	ug/l	100
25) 2-Butanone	4.50	43	269934	240.114	ug/l	97
26) 2,2-Dichloropropane	3.75	77	219534	48.649	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	185509	43.175	ug/l	91
28) Bromochloromethane	3.88	49	119253	45.594	ug/l	92
29) Tetrahydrofuran	4.25	42	92818	231.226	ug/l	98
30) Chloroform	4.03	83	426996	46.562	ug/l	99
31) Cyclohexane	3.87	56	238932	46.084	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	367340	48.452	ug/l	97
36) 1,1-Dichloropropene	4.45	75	279801	46.390	ug/l	95
37) Ethyl Acetate	4.29	43	87722	44.925	ug/l #	93
38) Carbon Tetrachloride	4.17	117	416916	57.732	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	279237	45.844	ug/l	98
40) Benzene	4.81	78	571313	47.758	ug/l	98
41) Methacrylonitrile	4.92	41	52354	46.906	ug/l	91
42) 1,2-Dichloroethane	5.12	62	263098	47.365	ug/l	93
43) Isopropyl Acetate	7.11	43	114974	48.646	ug/l #	91
44) Trichloroethene	5.67	130	181137	46.842	ug/l	93
45) 1,2-Dichloropropane	6.40	63	145610	48.776	ug/l	92
46) Dibromomethane	6.25	93	116229	49.581	ug/l	92
47) Bromodichloromethane	6.54	83	300822	50.010	ug/l	99
48) Methyl methacrylate	6.87	41	78183	47.959	ug/l	92
49) 1,4-Dioxane	6.86	88	14677	967.812	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	414936	242.367	ug/l	93
52) Toluene	7.78	92	368953	47.509	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	221965	47.238	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	280199	50.317	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	112827	48.488	ug/l	95
56) Ethyl methacrylate	8.75	69	125200	47.952	ug/l #	81
57) 1,3-Dichloropropane	9.00	76	195934	49.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	71956	267.400	ug/l	100
59) 2-Hexanone	9.63	43	312732	247.858	ug/l	94
60) Dibromochloromethane	8.86	129	183652	48.994	ug/l	100
61) 1,2-Dibromoethane	9.14	107	128548	47.715	ug/l	96
64) Tetrachloroethene	8.30	164	166688	48.001	ug/l	99
65) Chlorobenzene	9.94	112	405719	49.088	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	182099	48.351	ug/l	95
67) Ethyl Benzene	10.03	91	766038	48.508	ug/l	100
68) m/p-Xylenes	10.27	106	518091	96.062	ug/l	99
69) o-Xylene	10.82	106	284846	46.897	ug/l	94
70) Styrene	10.90	104	392266	45.808	ug/l	95
71) Bromoform	10.89	173	92911	47.829	ug/l #	95
73) Isopropylbenzene	11.23	105	886623	49.789	ug/l	100
74) N-amyl acetate	11.46	43	175478	49.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	135132	45.476	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	101446	45.384	ug/l	91
77) Bromobenzene	11.59	156	184960	47.208	ug/l	87
78) n-propylbenzene	11.69	91	1032249	48.872	ug/l	99
79) 2-Chlorotoluene	11.81	91	594026	46.989	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	714419	46.431	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	63534	65.072	ug/l	90
82) 4-Chlorotoluene	11.99	91	622231	47.473	ug/l	100
83) tert-Butylbenzene	12.21	119	746552	50.068	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	741936	47.471	ug/l	98
85) sec-Butylbenzene	12.39	105	981806	46.984	ug/l	99
86) p-Isopropyltoluene	12.54	119	816450	47.605	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	363427	46.469	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	354168	47.983	ug/l	98
89) n-Butylbenzene	12.91	91	844373	53.603	ug/l	96
90) Hexachloroethane	12.99	117	212953	48.106	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	346440	47.019	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26378	42.813	ug/l	86

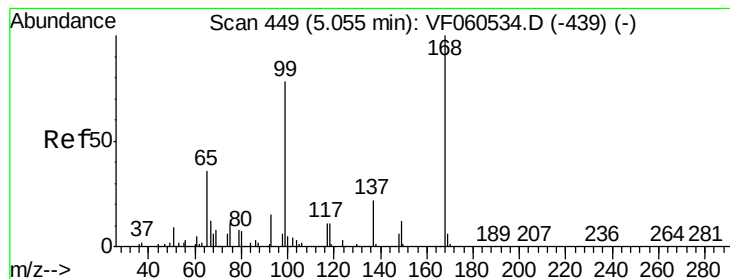
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	260187	47.144	ug/l	97
94) Hexachlorobutadiene	14.25	225	185834	47.557	ug/l	95
95) Naphthalene	14.52	128	458929	47.009	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	239328	45.559	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

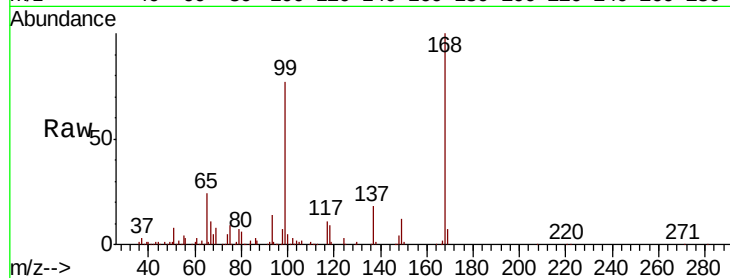
VSTDCCC050

Tot Ion:168 Resp: 310023

Ion Ratio Lower Upper

168 100

99 77.0 62.6 93.8

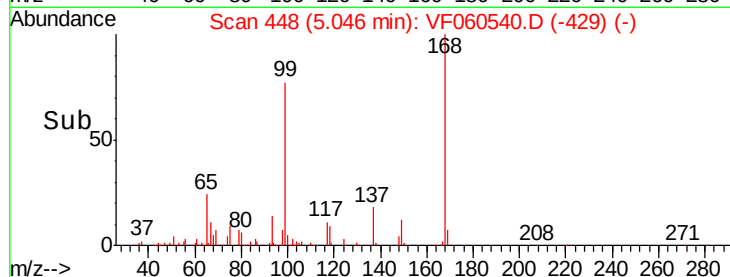


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

Time-->

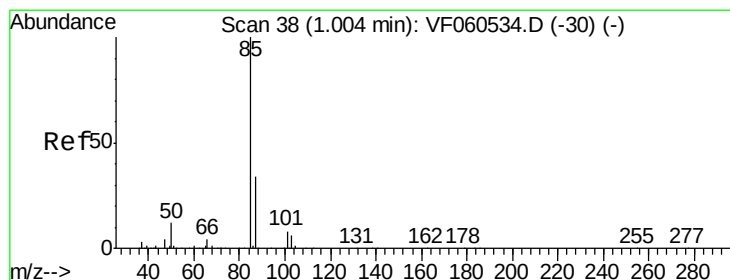


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 46.267 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060540.D

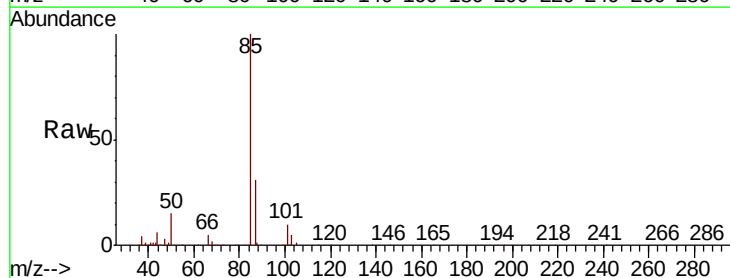
Acq: 30 Oct 2018 11:45

Tgt Ion: 85 Resp: 245522

Ion Ratio Lower Upper

85 100

87 30.8 16.9 50.7

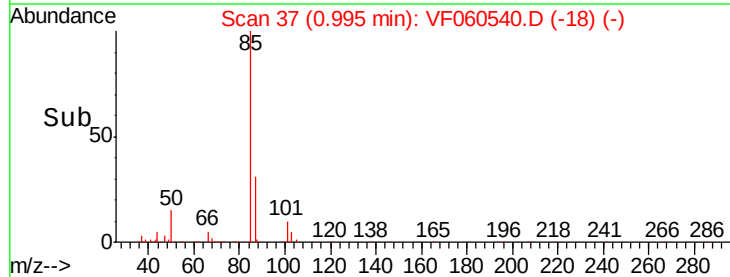


Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->

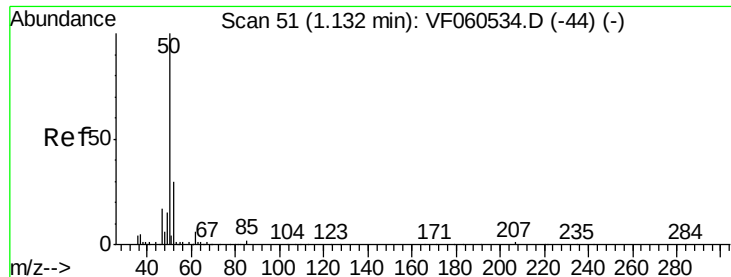


Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->



#3

Chloromethane

Concen: 48.166 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

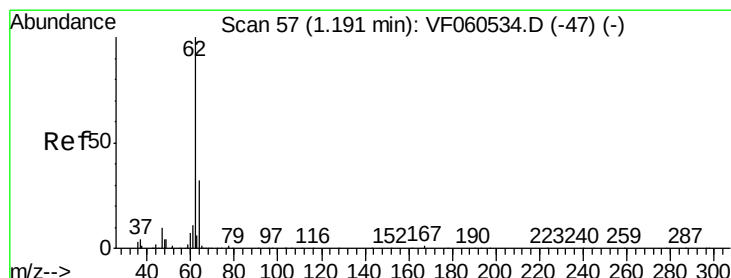
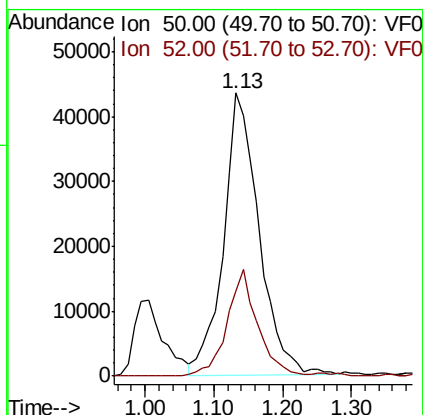
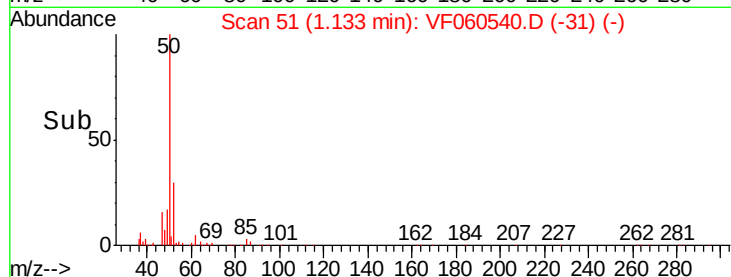
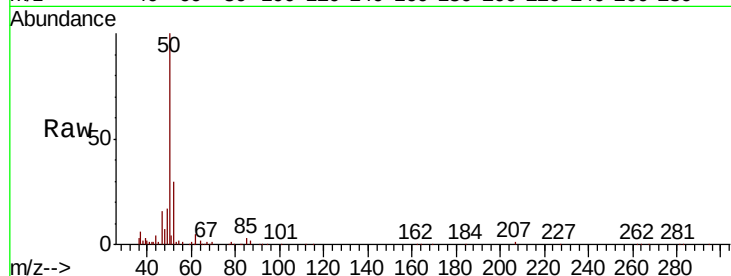
VSTDCCC050

Tot Ion: 50 Resp: 155002

Ion Ratio Lower Upper

50 100

52 30.1 22.8 34.2



#4

Vinyl Chloride

Concen: 47.796 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060540.D

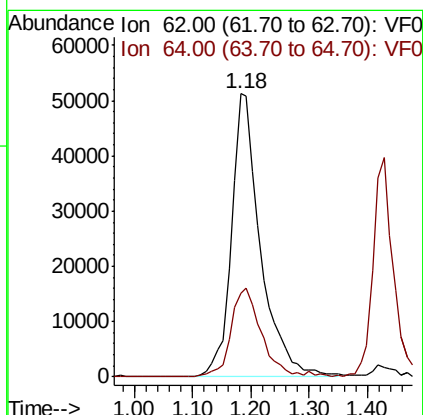
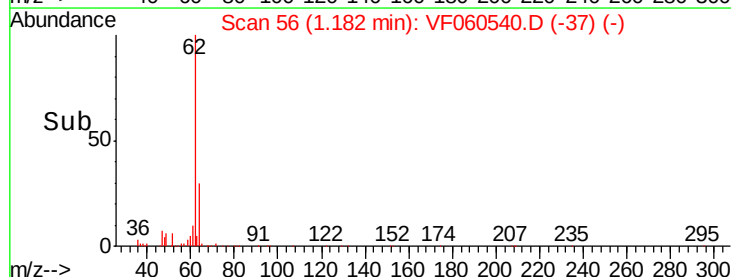
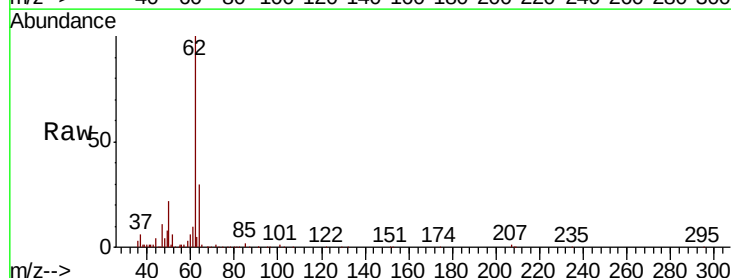
Acq: 30 Oct 2018 11:45

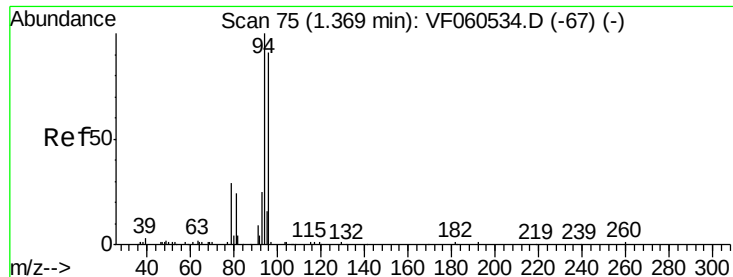
Tgt Ion: 62 Resp: 177657

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 52.588 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

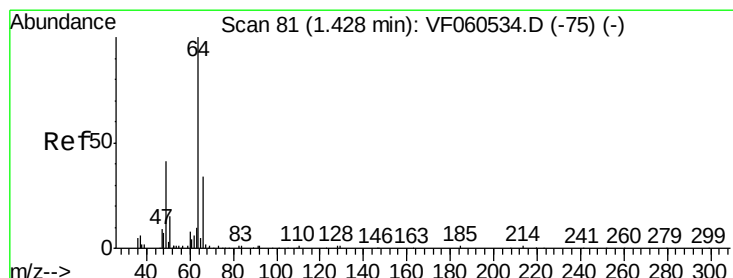
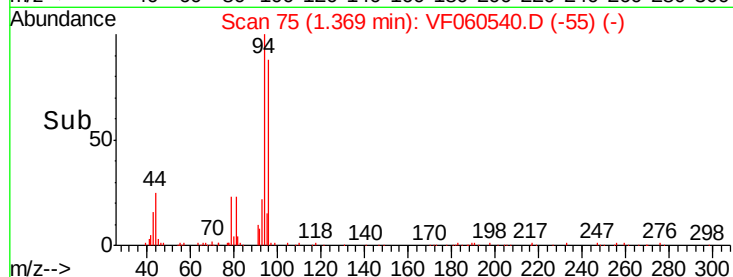
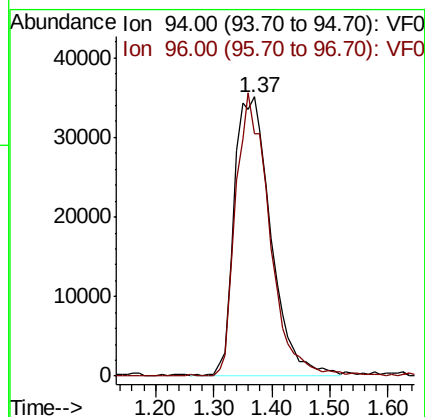
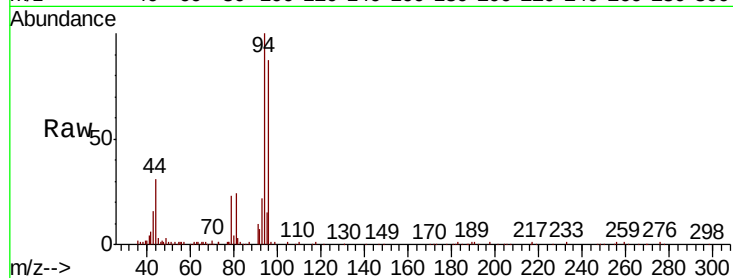
VSTDCCC050

Tot Ion: 94 Resp: 153617

Ion Ratio Lower Upper

94 100

96 86.8 73.2 109.8



#6

Chloroethane

Concen: 49.821 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060540.D

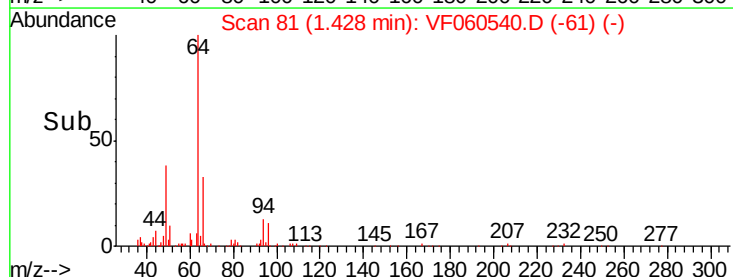
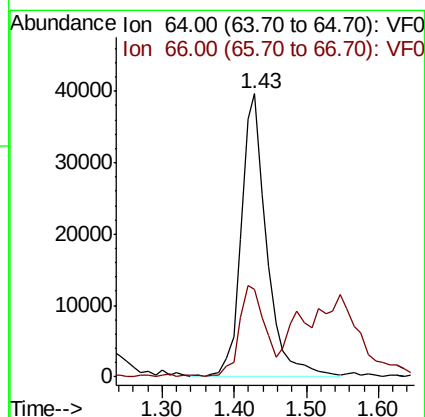
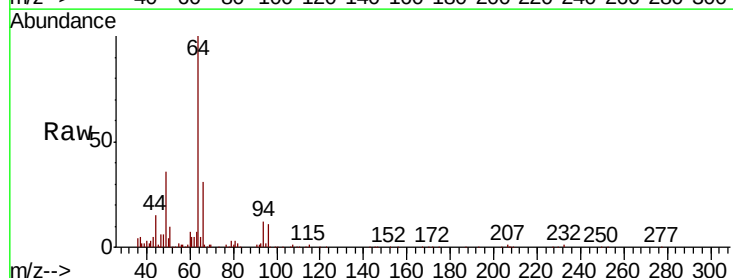
Acq: 30 Oct 2018 11:45

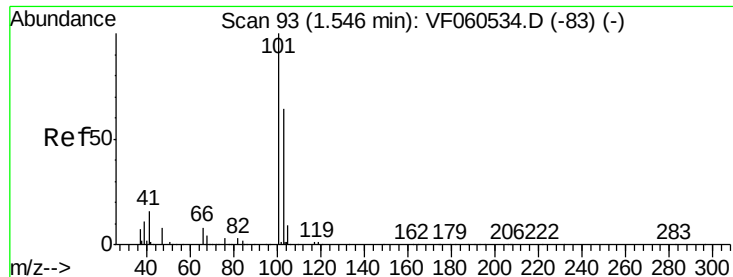
Tgt Ion: 64 Resp: 96420

Ion Ratio Lower Upper

64 100

66 31.0 27.1 40.7



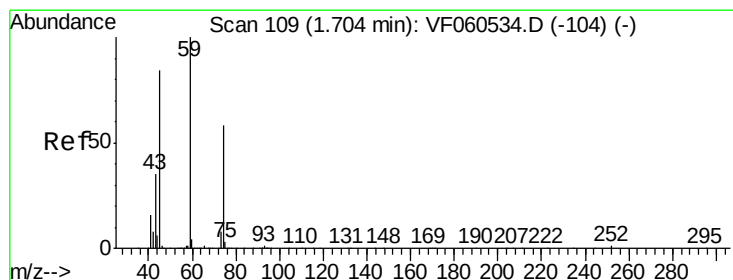
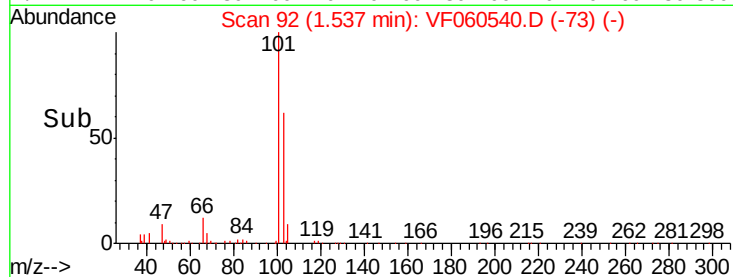
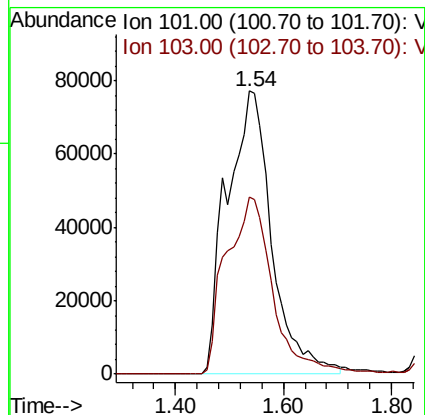
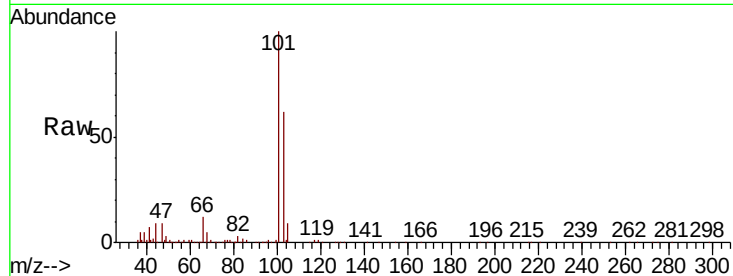


#7

Trichlorofluoromethane
 Concen: 49.677 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
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 VSTDCCC050

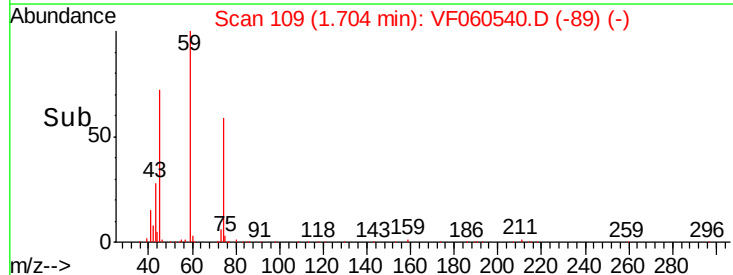
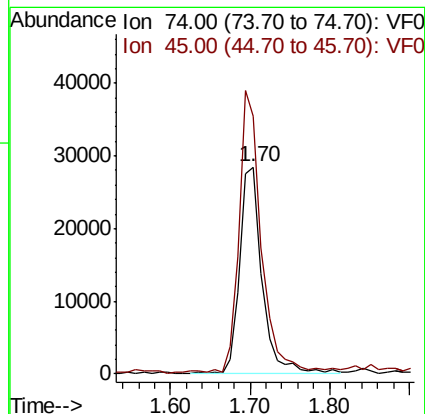
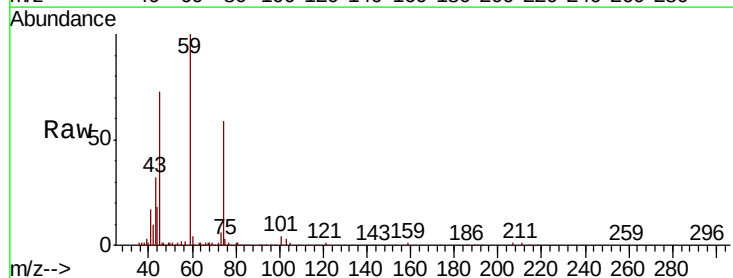
Tot Ion:101 Resp: 444873
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.6 77.4

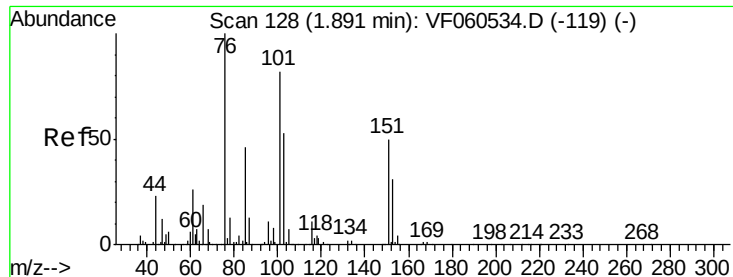


#8

Diethyl Ether
 Concen: 50.432 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion: 74 Resp: 56642
 Ion Ratio Lower Upper
 74 100
 45 124.3 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.678 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

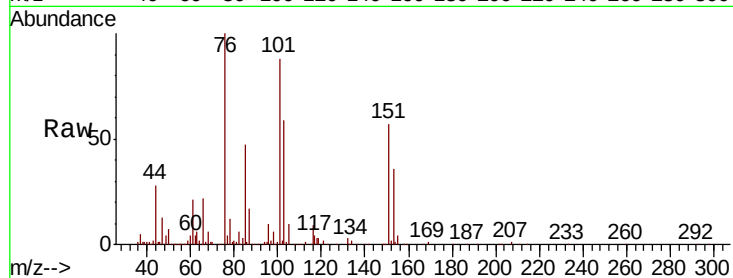
Tot Ion:101 Resp: 212042

Ion Ratio Lower Upper

101 100

85 52.7 44.6 67.0

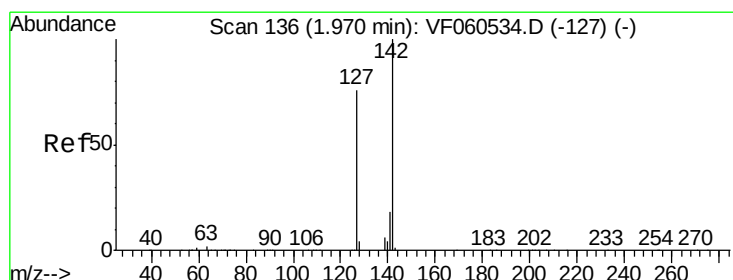
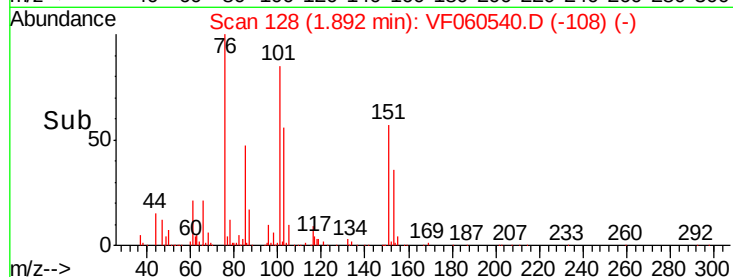
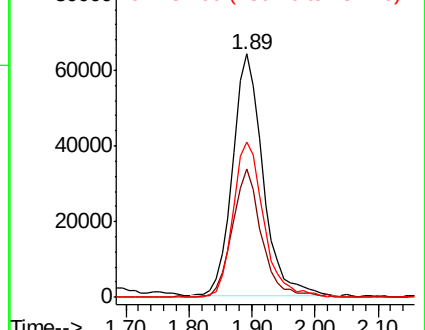
151 64.0 48.4 72.6



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: 50.746 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

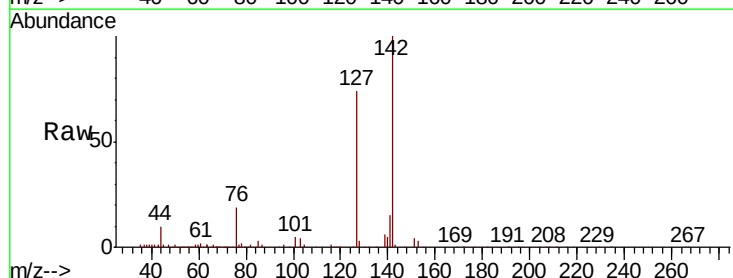
Tgt Ion:142 Resp: 343746

Ion Ratio Lower Upper

142 100

127 74.4 61.2 91.8

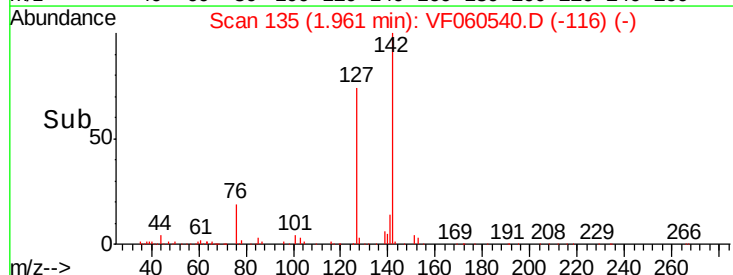
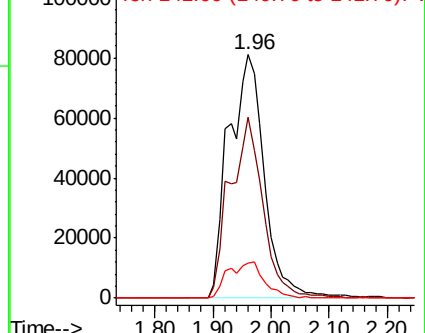
141 14.6 14.0 21.0

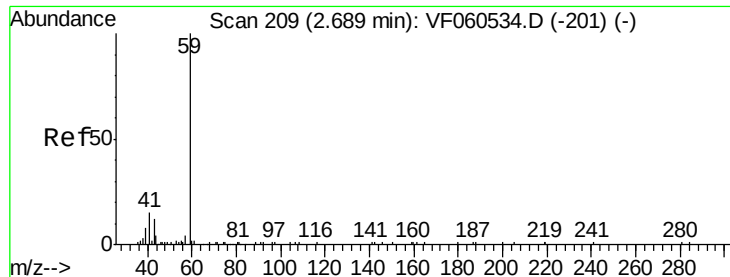


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



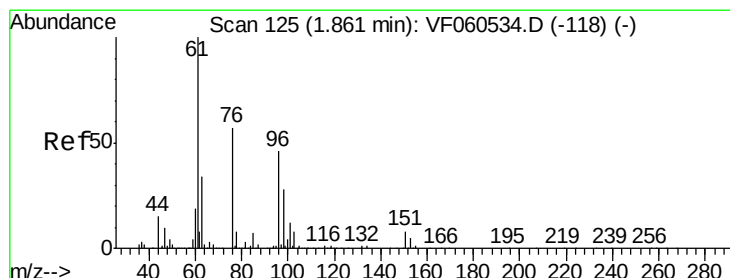
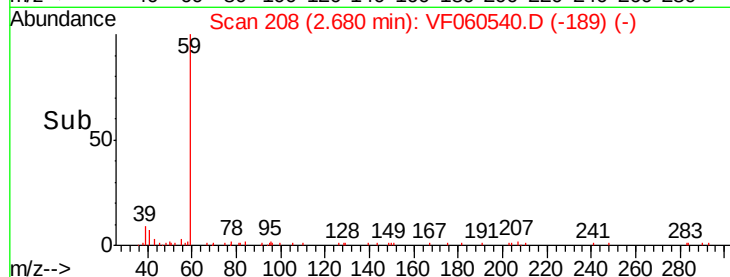
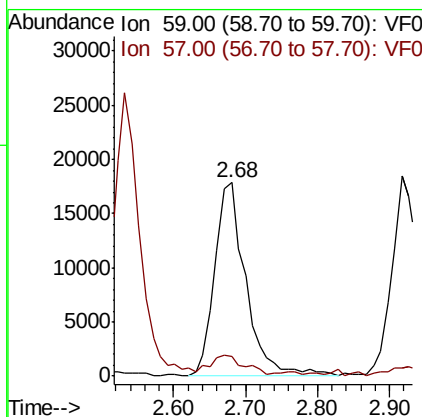
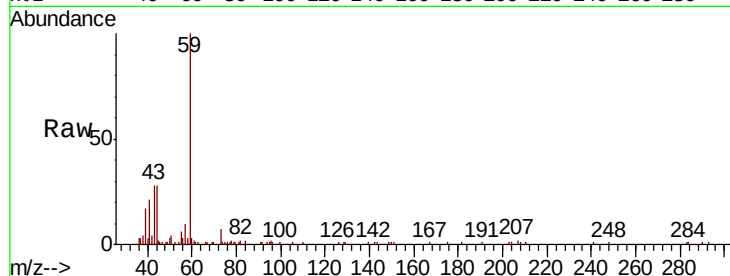


#11

Tert butyl alcohol
 Concen: 284.910 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

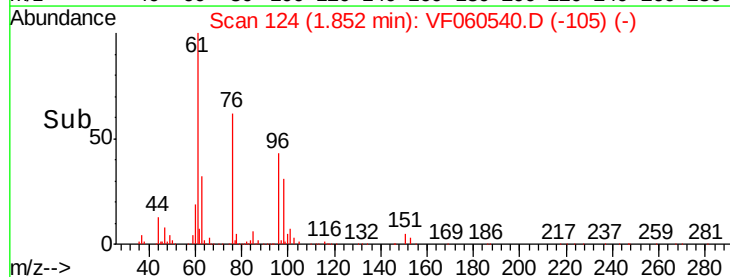
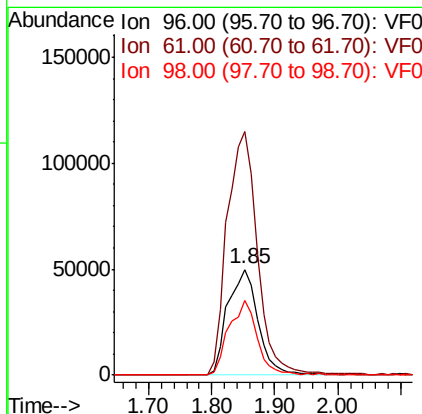
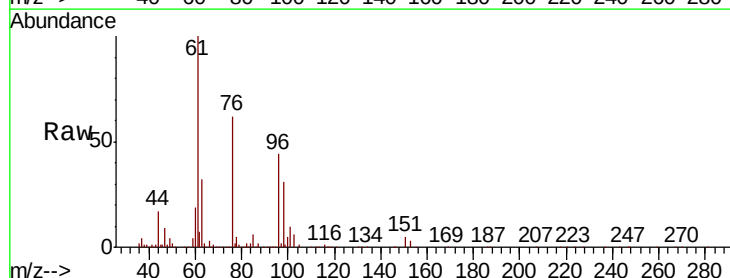
Tot Ion: 59 Resp: 53667
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.9 13.3

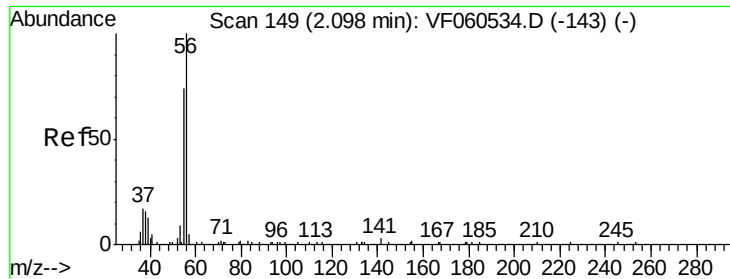


#12

1,1-Dichloroethene
 Concen: 47.743 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion: 96 Resp: 166339
 Ion Ratio Lower Upper
 96 100
 61 229.6 175.4 263.2
 98 70.2 48.9 73.3

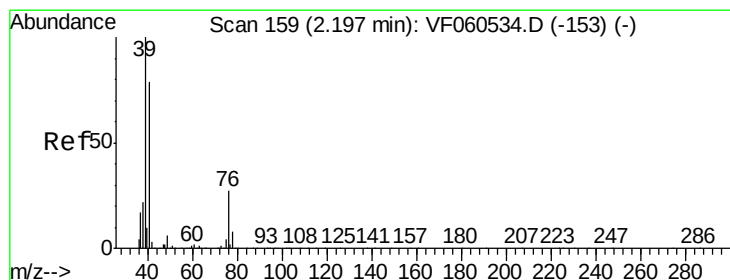
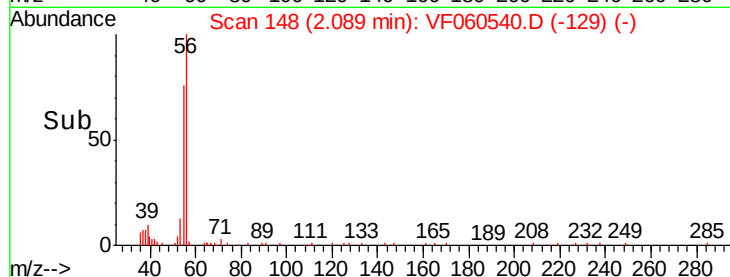
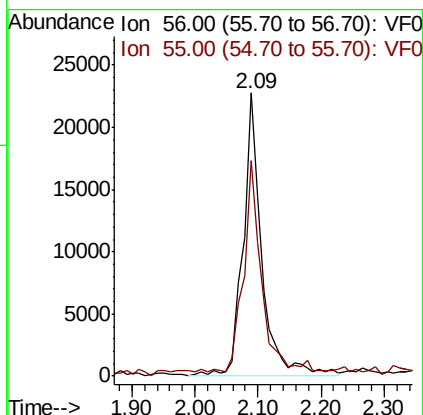
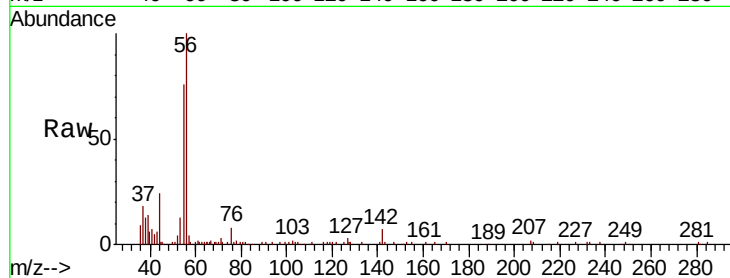




#13
Acrolein
Concen: 267.869 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

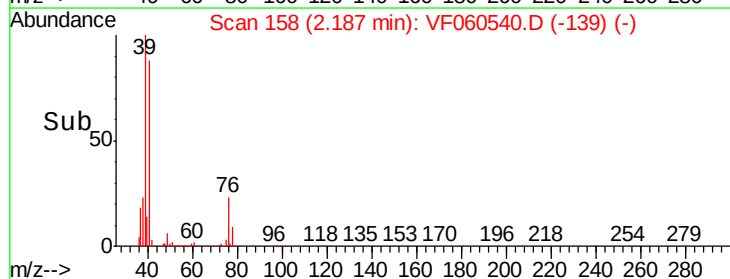
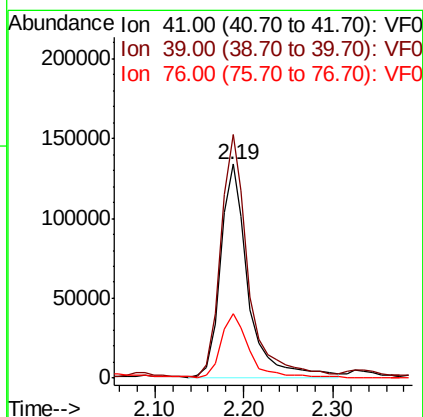
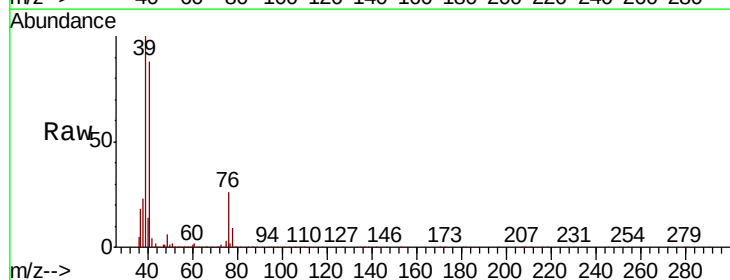
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

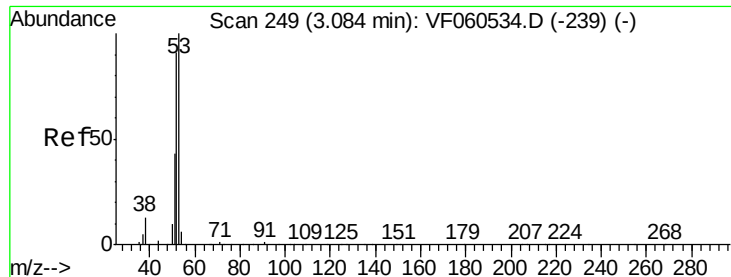
Tot Ion: 56 Resp: 46504
Ion Ratio Lower Upper
56 100
55 76.3 60.4 90.6



#14
Allyl chloride
Concen: 52.151 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 41 Resp: 288907
Ion Ratio Lower Upper
41 100
39 113.8 100.6 151.0
76 30.1 27.6 41.4





#15

Acrylonitrile

Concen: 229.280 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

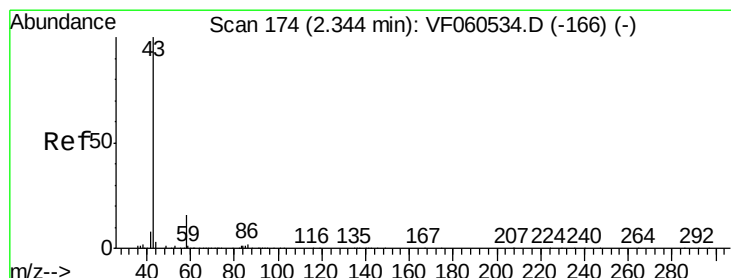
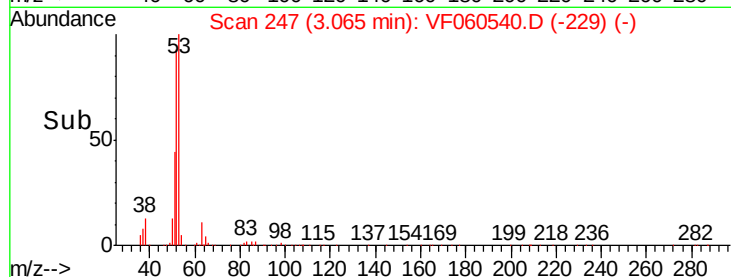
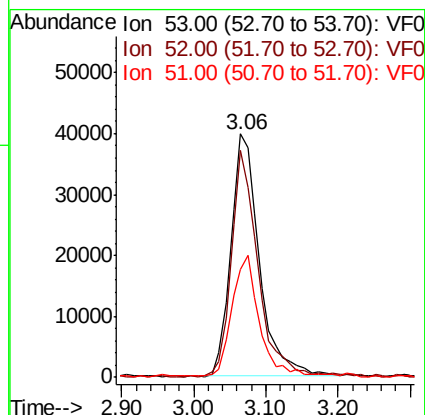
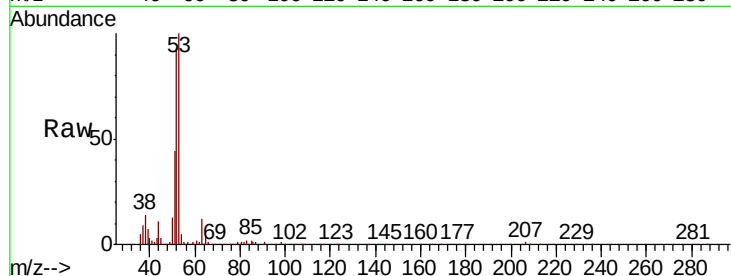
Tot Ion: 53 Resp: 109635

Ion Ratio Lower Upper

53 100

52 93.1 73.2 109.8

51 44.5 35.0 52.4



#16

Acetone

Concen: 263.262 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060540.D

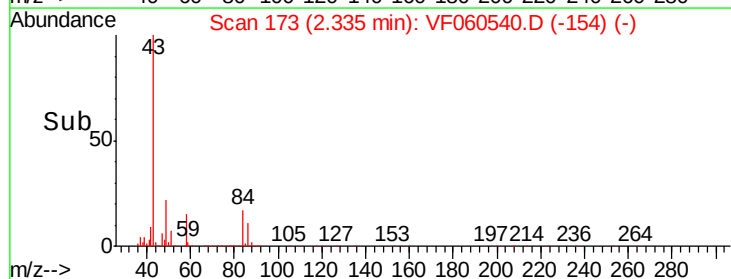
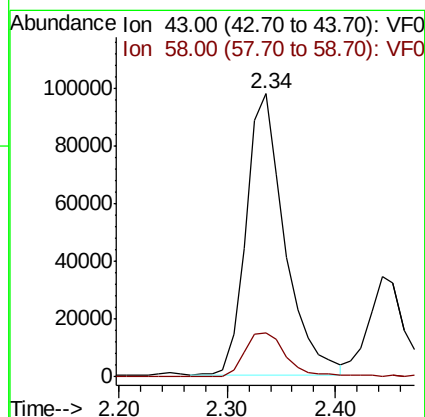
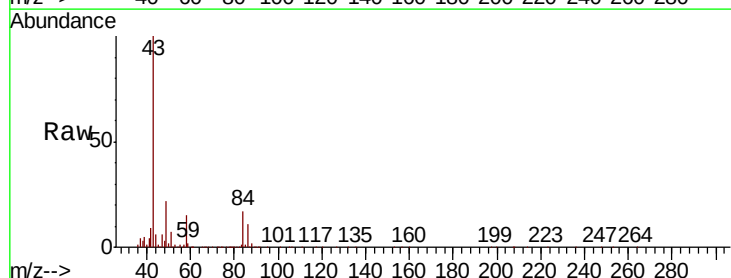
Acq: 30 Oct 2018 11:45

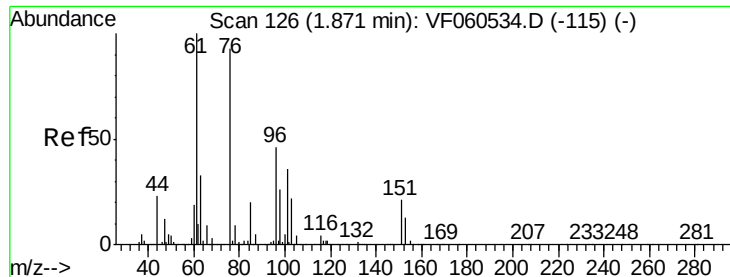
Tgt Ion: 43 Resp: 241656

Ion Ratio Lower Upper

43 100

58 15.4 12.8 19.2





#17

Carbon Disulfide

Concen: 18.697 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.03 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

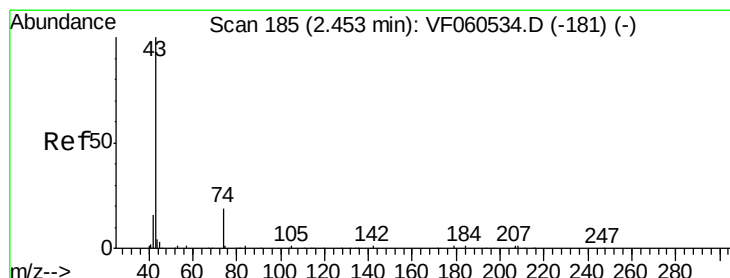
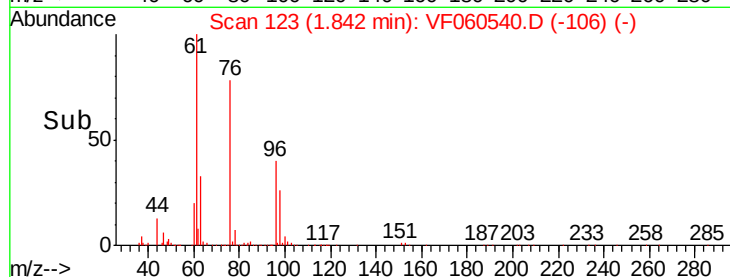
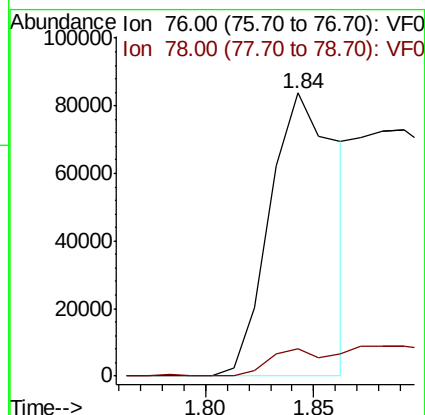
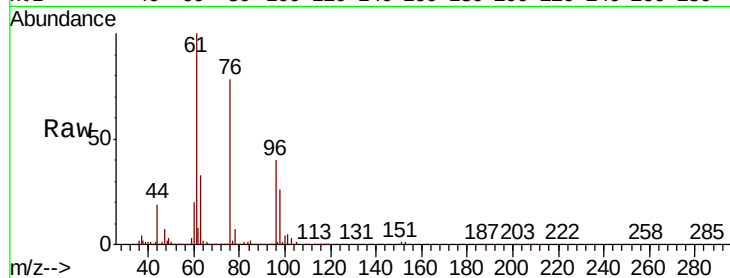
VSTDCCC050

Tot Ion: 76 Resp: 183081

Ion Ratio Lower Upper

76 100

78 9.6 8.0 12.0



#18

Methyl Acetate

Concen: 51.868 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060540.D

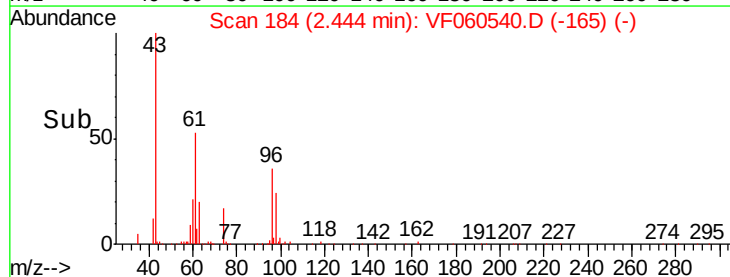
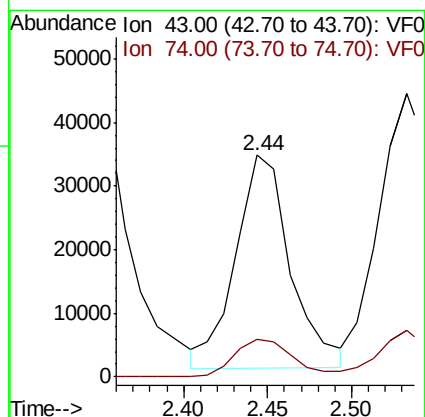
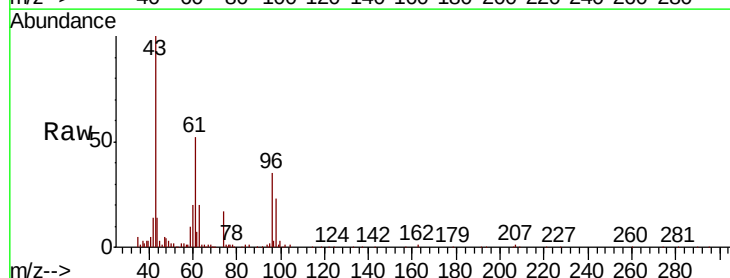
Acq: 30 Oct 2018 11:45

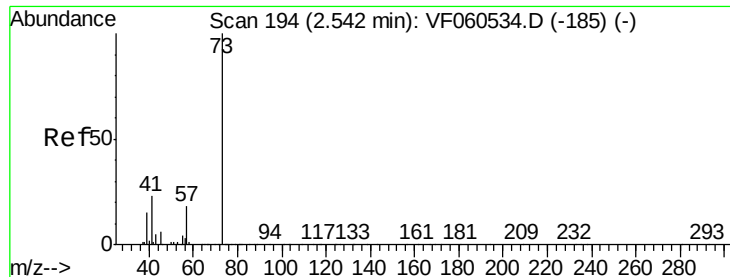
Tgt Ion: 43 Resp: 76284

Ion Ratio Lower Upper

43 100

74 17.0 13.5 20.3



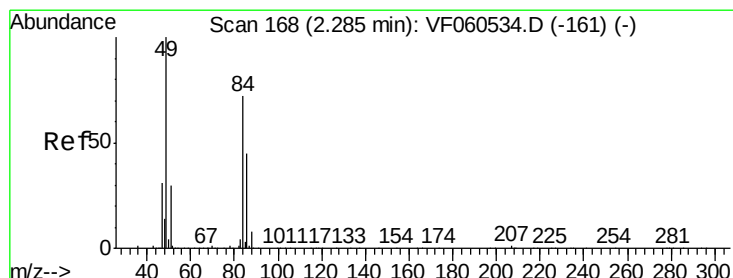
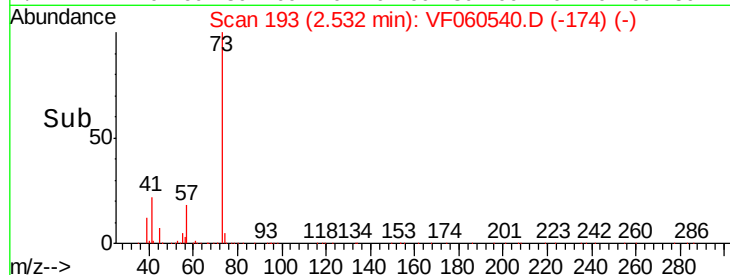
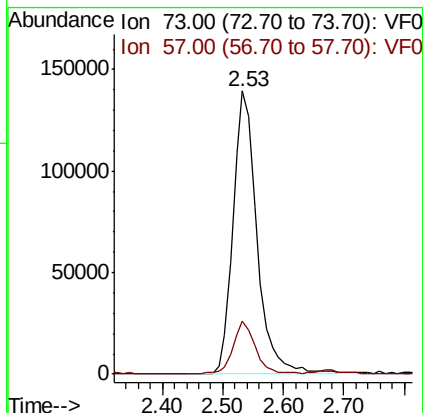
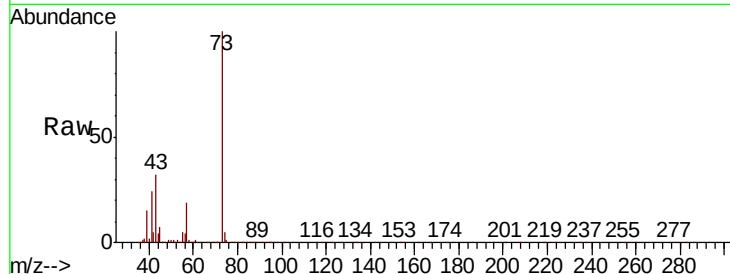


#19

Methyl tert-butyl Ether
 Concen: 49.246 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

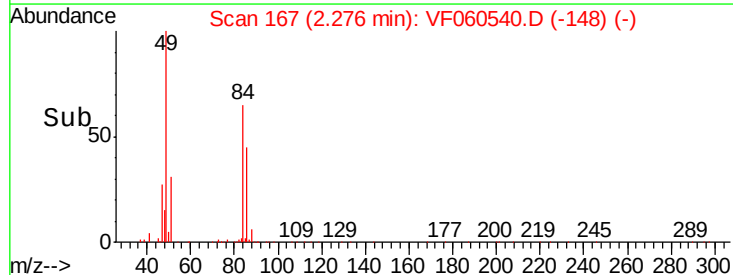
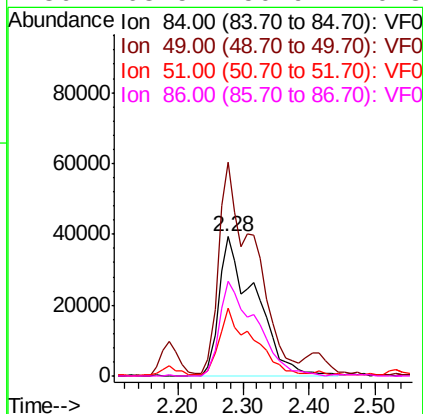
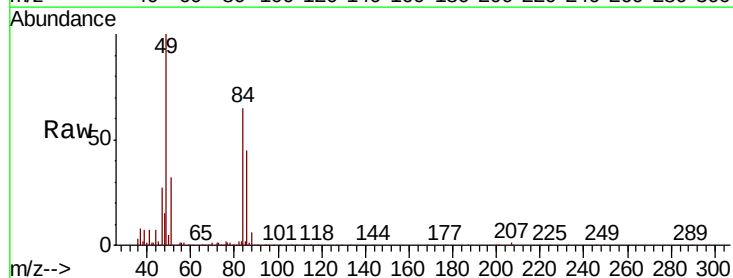
Tot Ion: 73 Resp: 384434
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.7 22.1

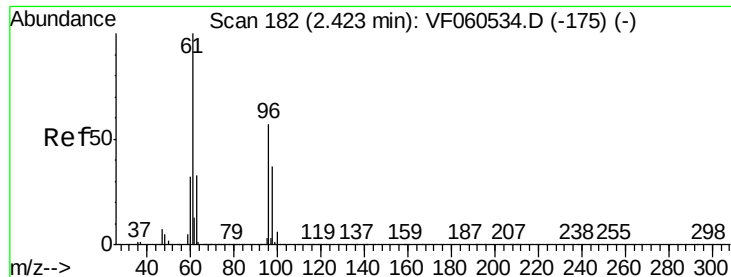


#20

Methylene Chloride
 Concen: 48.350 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion: 84 Resp: 152608
 Ion Ratio Lower Upper
 84 100
 49 153.7 115.4 173.0
 51 48.7 35.4 53.2
 86 68.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.977 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

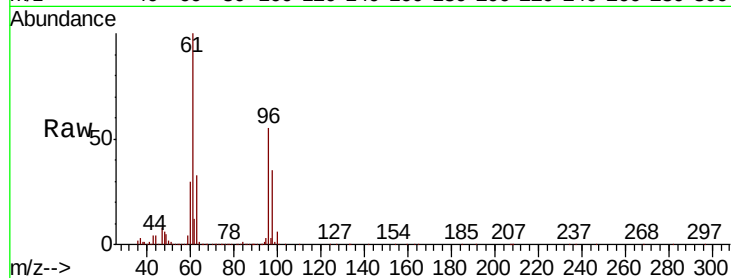
Tot Ion: 96 Resp: 174522

Ion Ratio Lower Upper

96 100

61 182.3 139.8 209.6

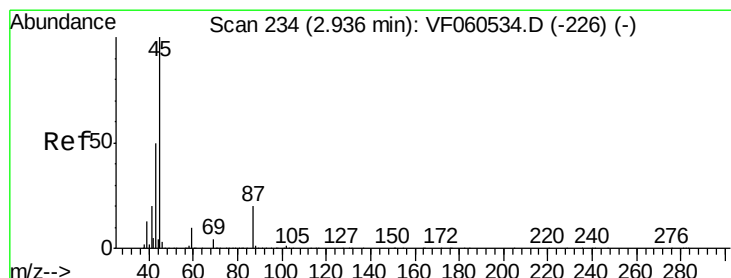
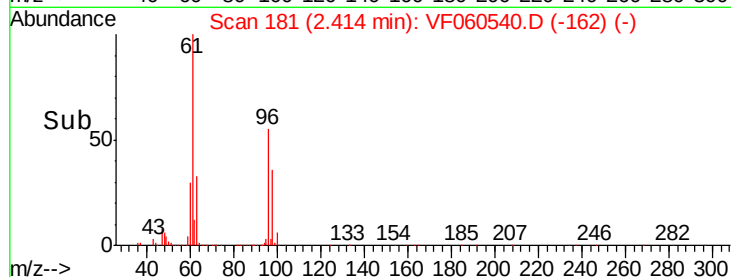
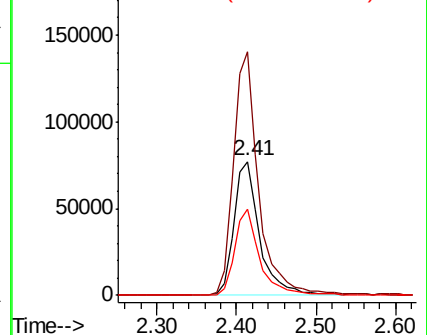
98 64.5 52.2 78.4



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: 52.580 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion: 45 Resp: 529106

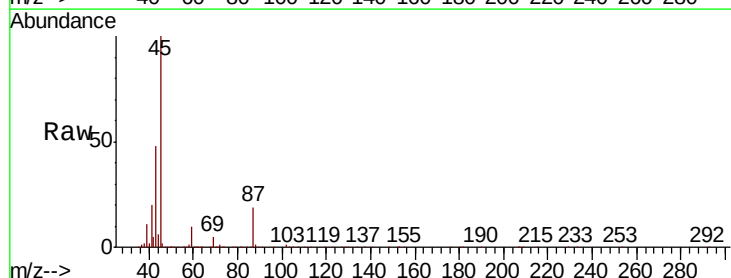
Ion Ratio Lower Upper

45 100

43 47.7 40.6 60.8

87 19.3 15.9 23.9

59 10.2 8.0 12.0

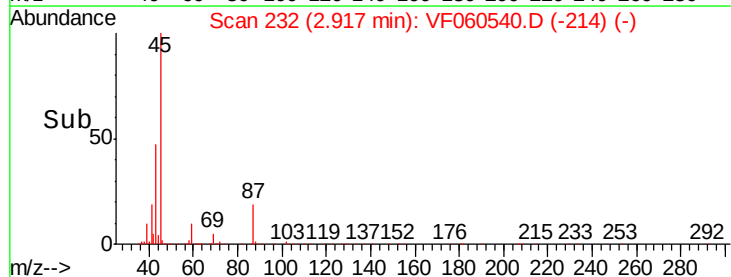
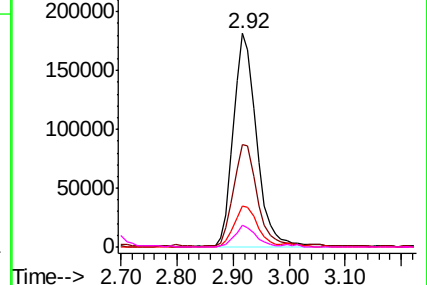


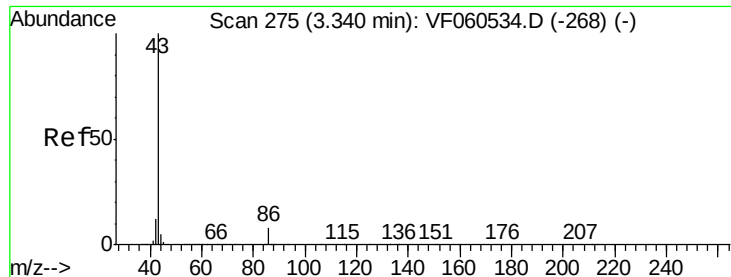
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 241.768 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

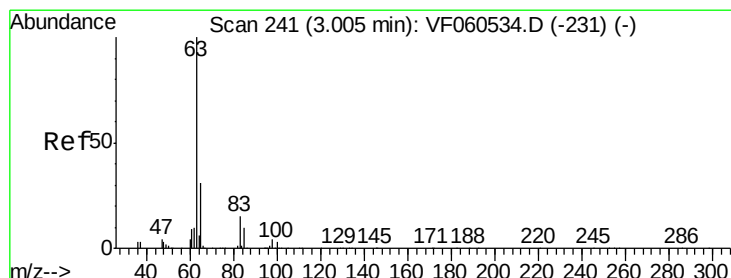
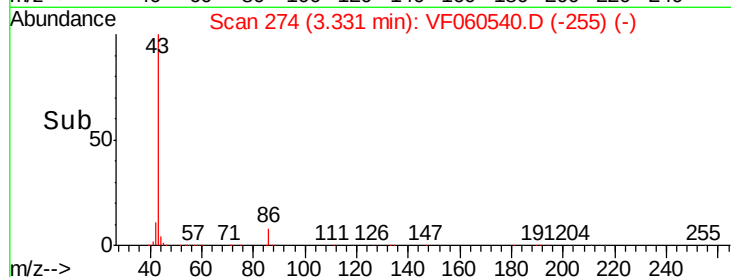
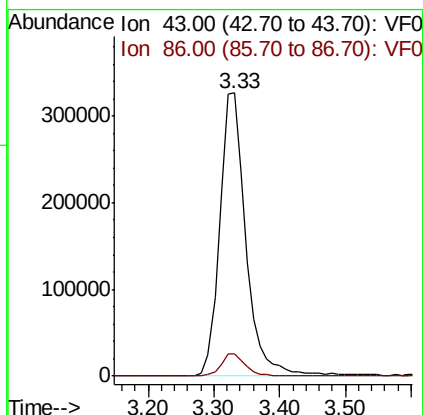
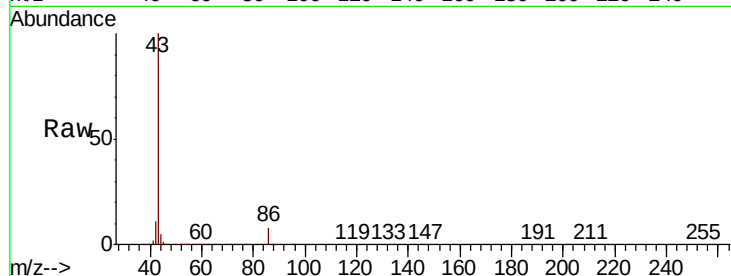
VSTDCCC050

Tot Ion: 43 Resp: 902444

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2



#24

1,1-Dichloroethane

Concen: 48.028 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

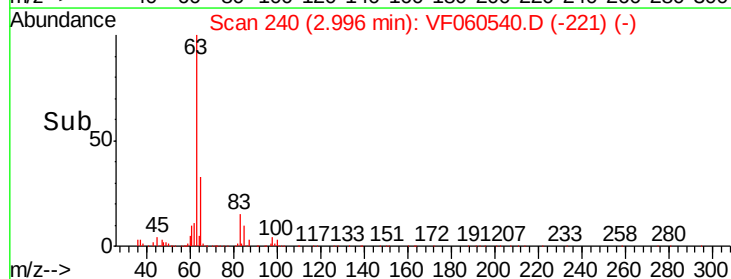
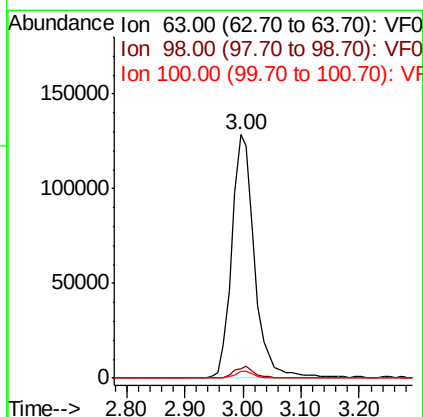
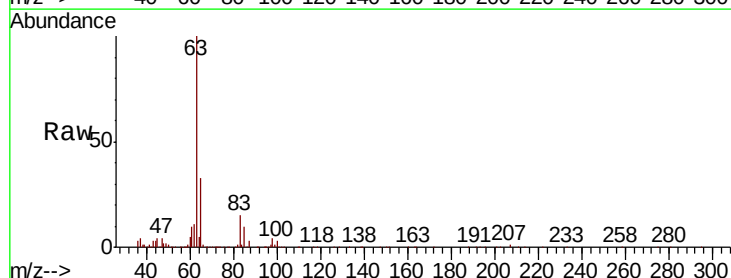
Tgt Ion: 63 Resp: 348743

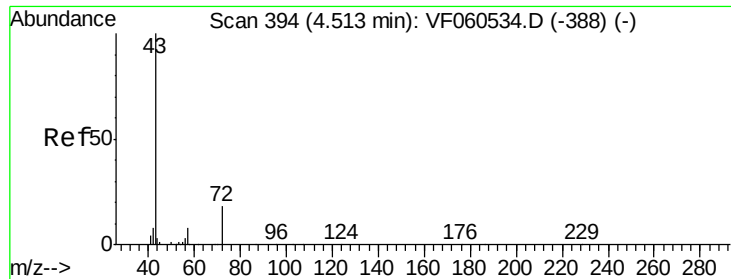
Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

100 2.7 1.4 4.0

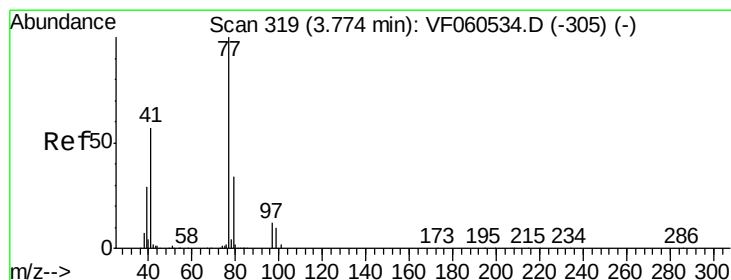
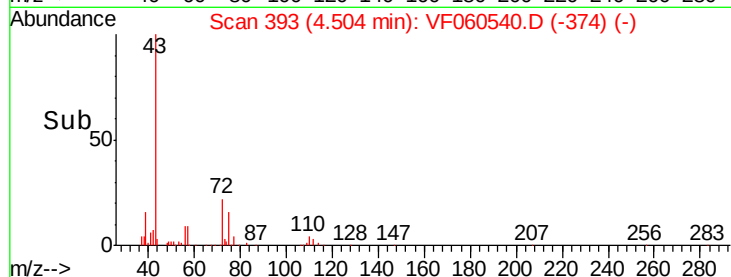
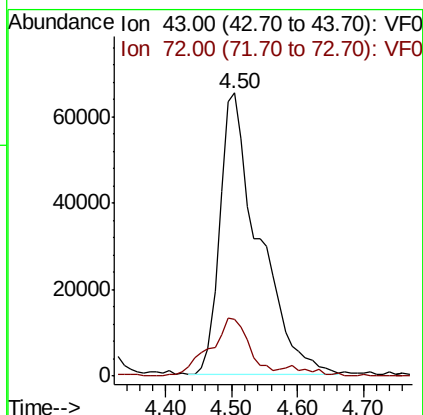
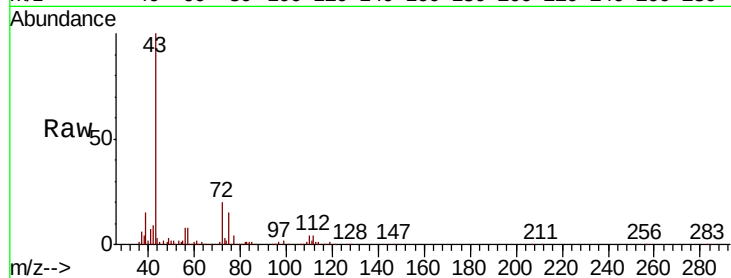




#25
2-Butanone
Concen: 240.114 ug/l
RT: 4.50 min Scan# 393
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

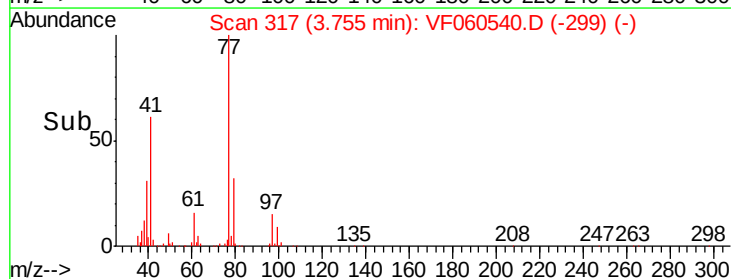
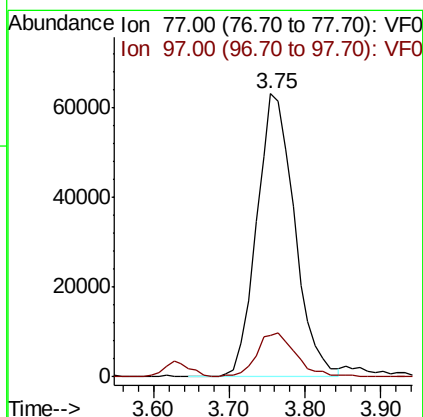
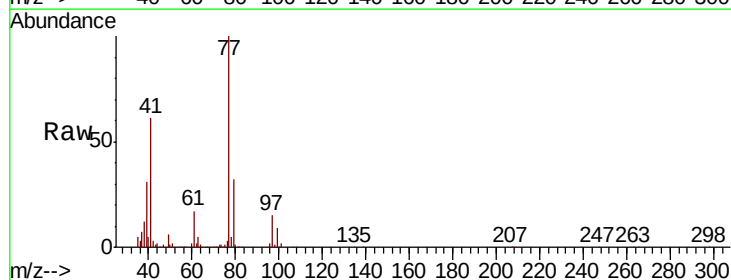
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

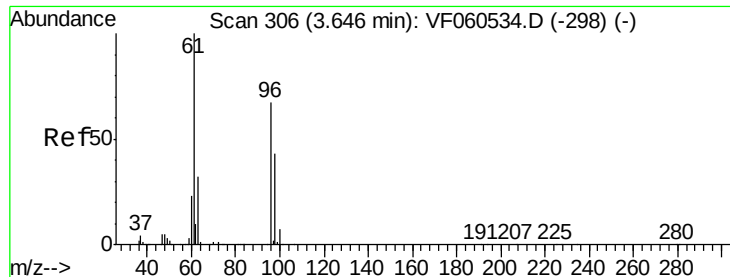
Tot Ion: 43 Resp: 269934
Ion Ratio Lower Upper
43 100
72 20.2 17.4 26.0



#26
2,2-Dichloropropane
Concen: 48.649 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 77 Resp: 219534
Ion Ratio Lower Upper
77 100
97 14.6 8.5 25.5



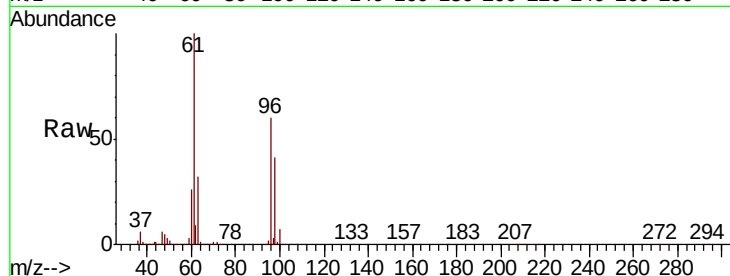


#27

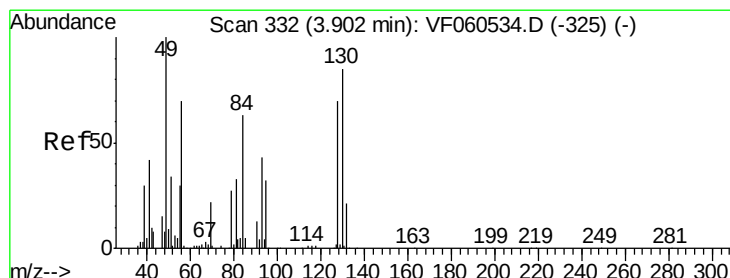
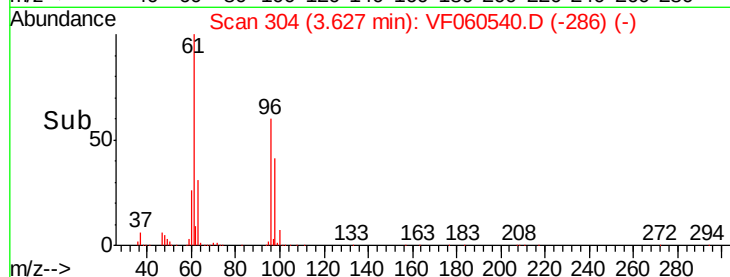
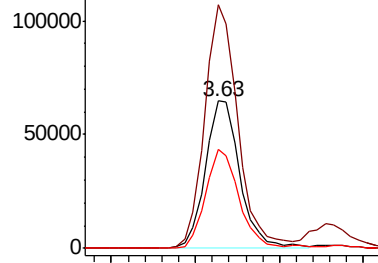
cis-1,2-Dichloroethene
 Concen: 43.175 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	300.8
98	67.1	0.0	128.4



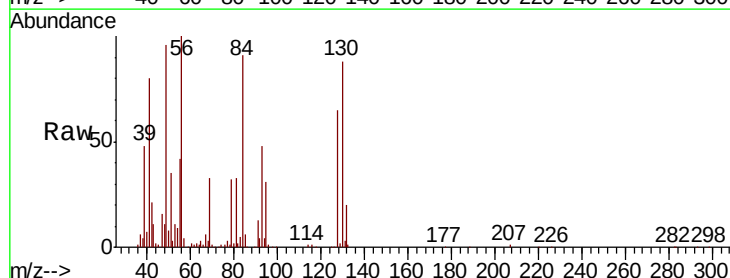
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



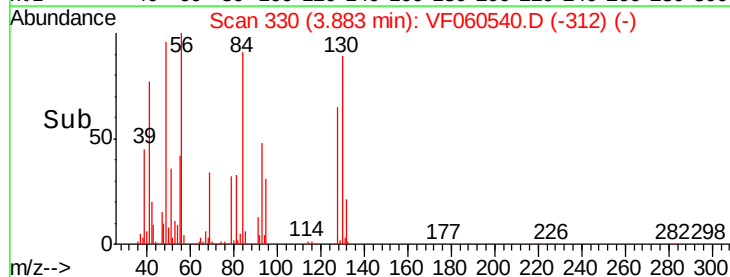
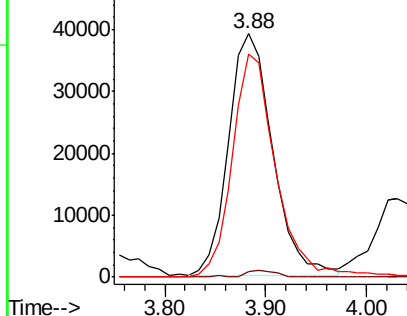
#28

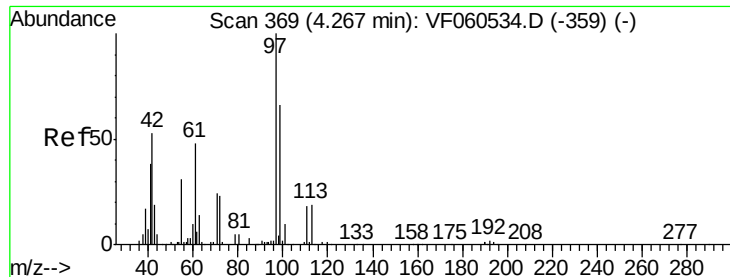
Bromochloromethane
 Concen: 45.594 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	91.8	67.5	101.3



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: 231.226 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

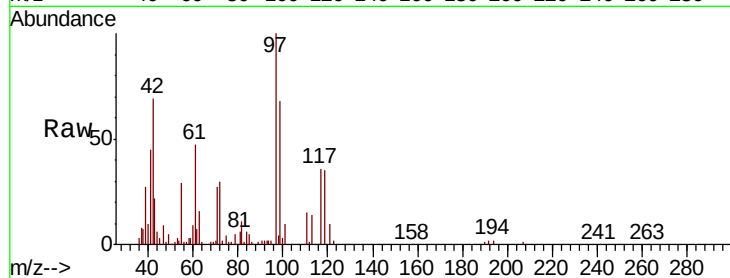
Tot Ion: 42 Resp: 92818

Ion Ratio Lower Upper

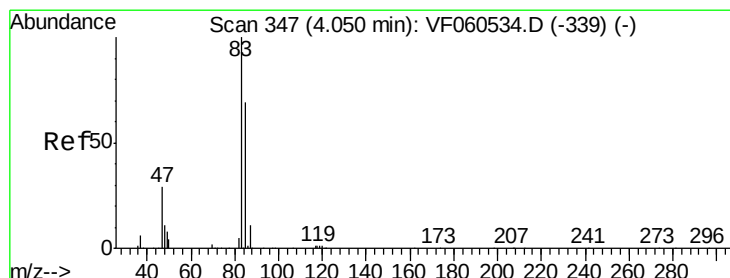
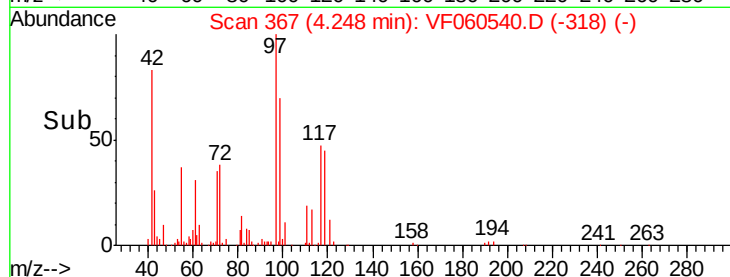
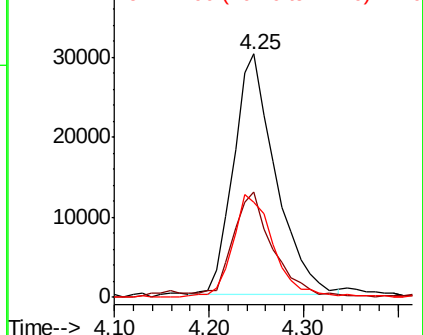
42 100

72 42.0 32.5 48.7

71 41.5 34.5 51.7



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: 46.562 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.02 min

Lab File: VF060540.D

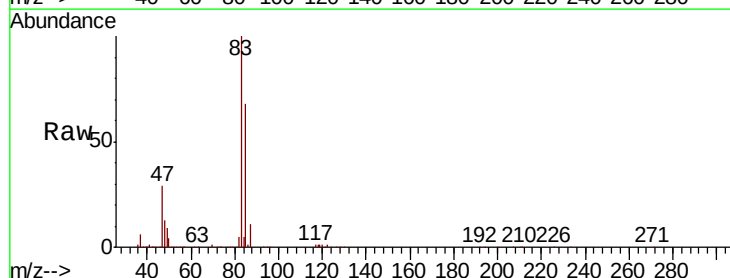
Acq: 30 Oct 2018 11:45

Tgt Ion: 83 Resp: 426996

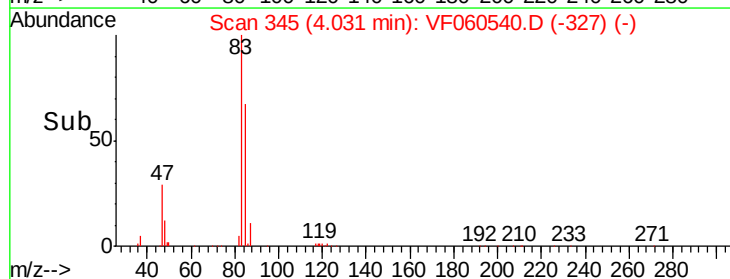
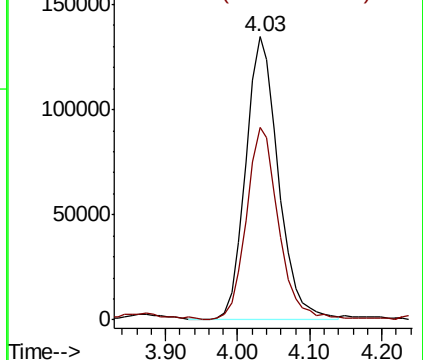
Ion Ratio Lower Upper

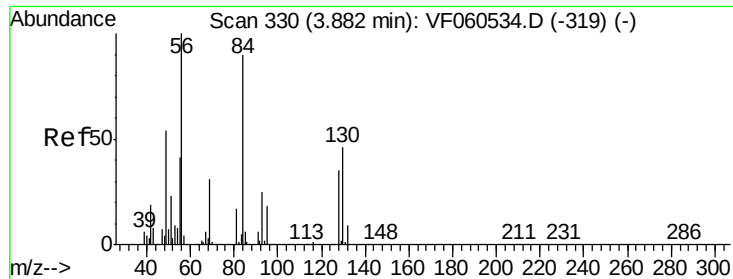
83 100

85 67.8 55.0 82.4



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

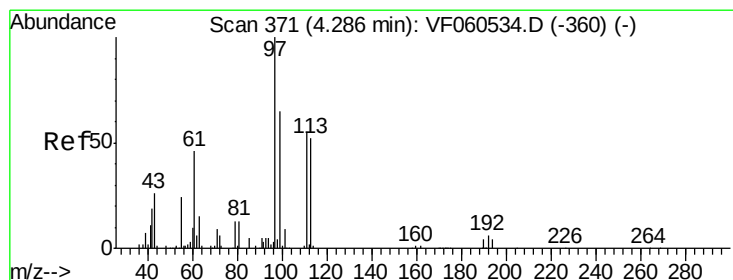
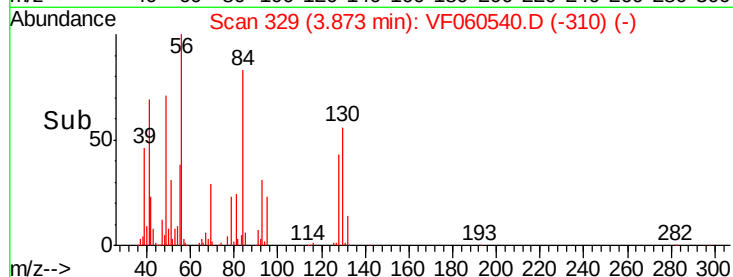
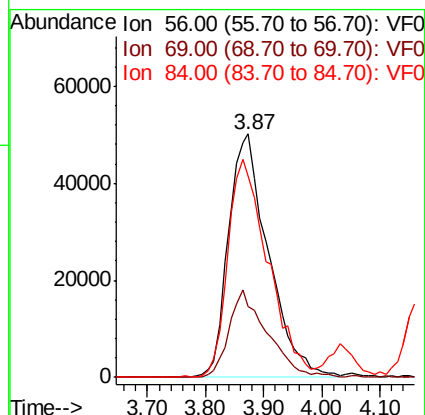
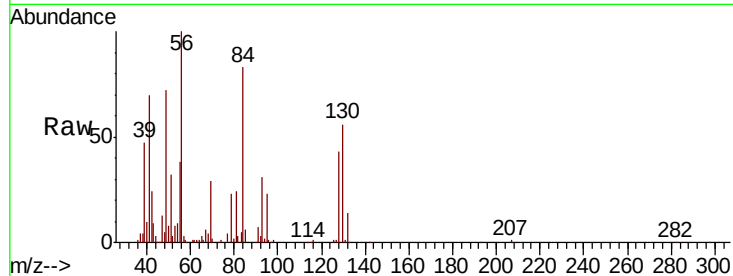




#31
Cyclohexane
Concen: 46.084 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

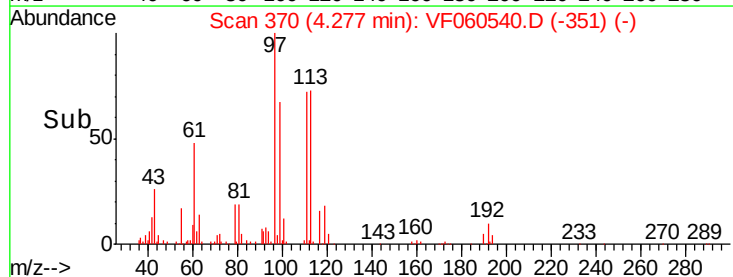
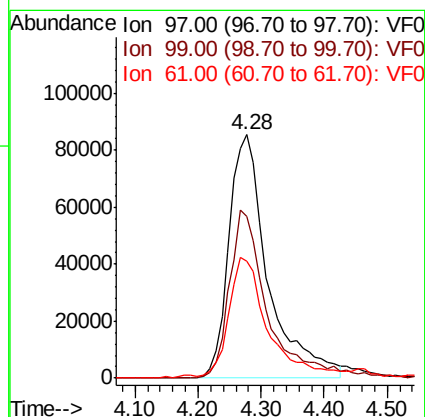
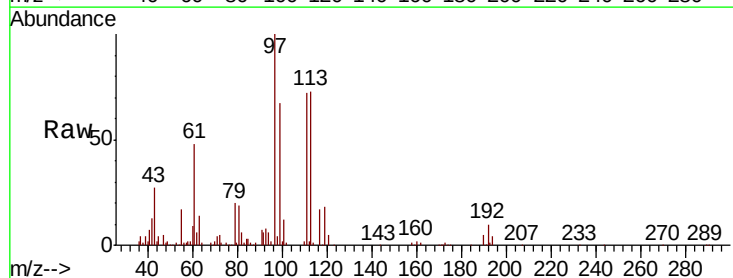
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

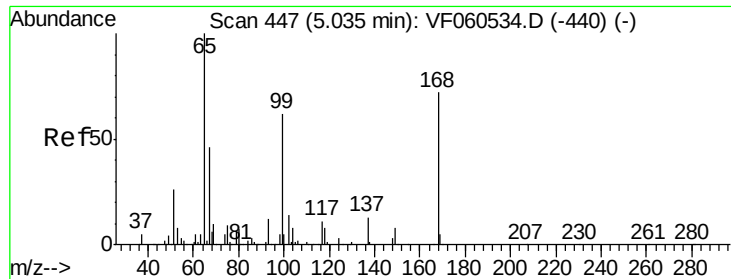
Tot Ion: 56 Resp: 238932
Ion Ratio Lower Upper
56 100
69 29.0 25.0 37.6
84 82.7 72.1 108.1



#32
1,1,1-Trichloroethane
Concen: 48.452 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 97 Resp: 367340
Ion Ratio Lower Upper
97 100
99 66.6 51.7 77.5
61 48.0 36.8 55.2

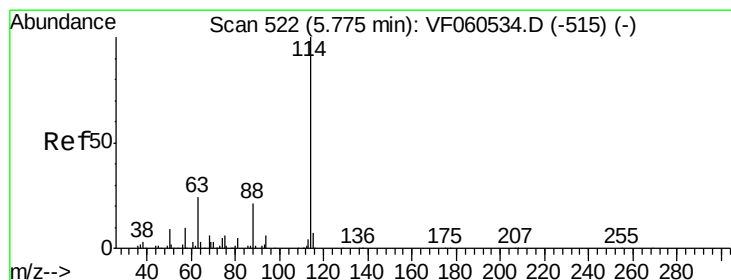
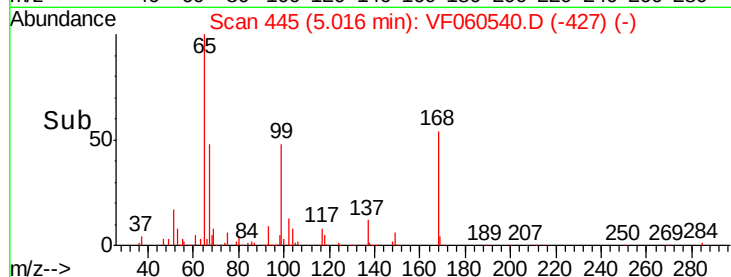
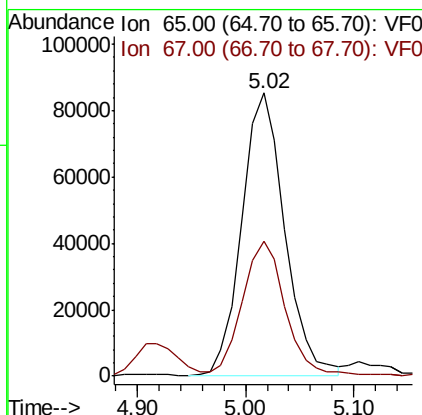
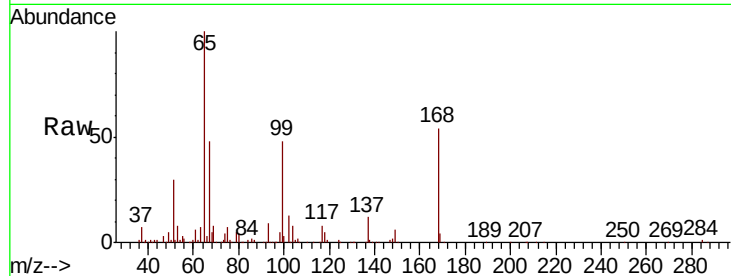




#33
 1,2-Dichloroethane-d4
 Concen: 49.232 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

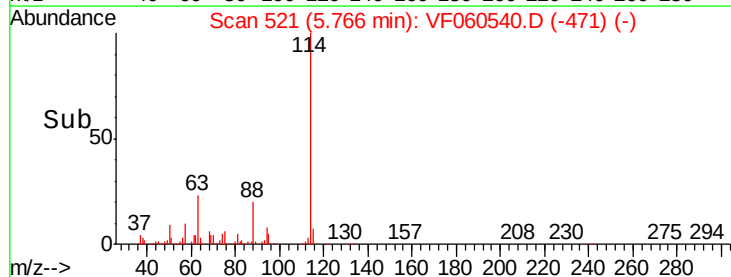
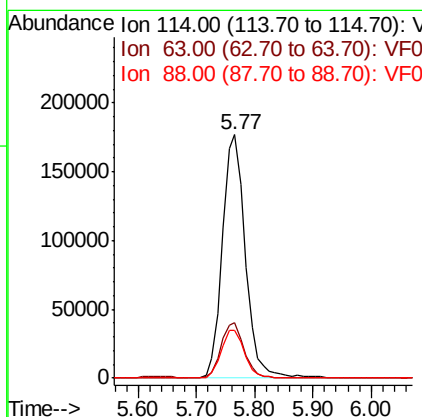
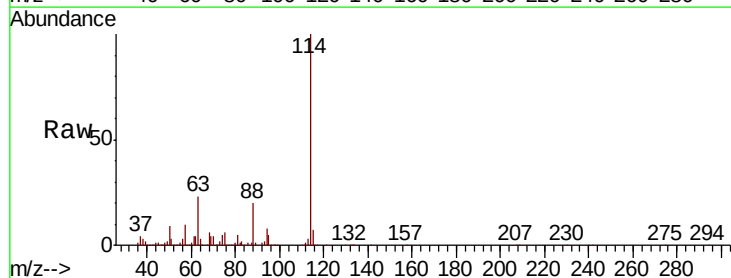
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

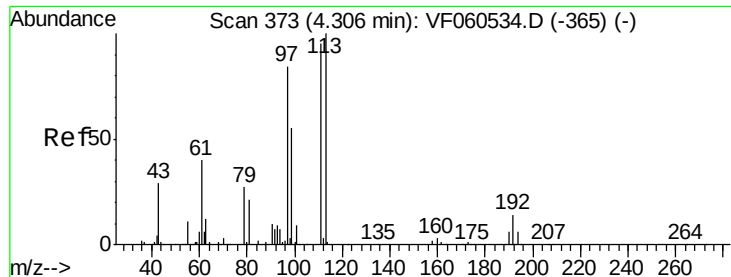
Tot Ion: 65 Resp: 235425
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion: 114 Resp: 484089
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 48.0
 88 19.9 0.0 42.0





#35

Dibromofluoromethane

Concen: 49.262 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

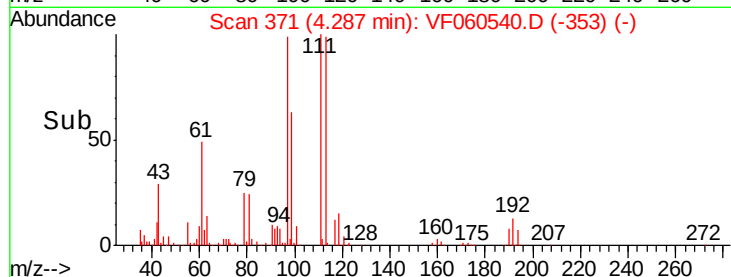
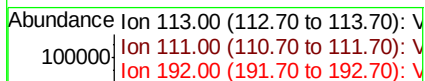
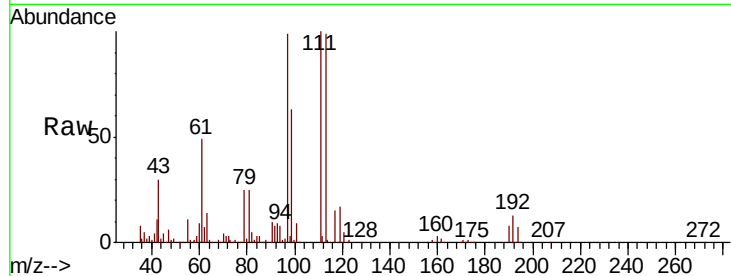
Tot Ion:113 Resp: 228831

Ion Ratio Lower Upper

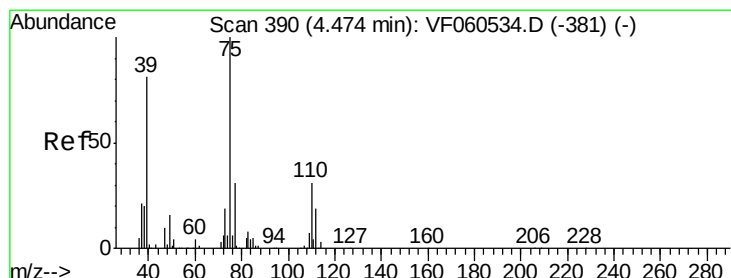
113 100

111 101.4 75.9 113.9

192 13.1 11.2 16.8



Time-->



#36

1,1-Dichloropropene

Concen: 46.390 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

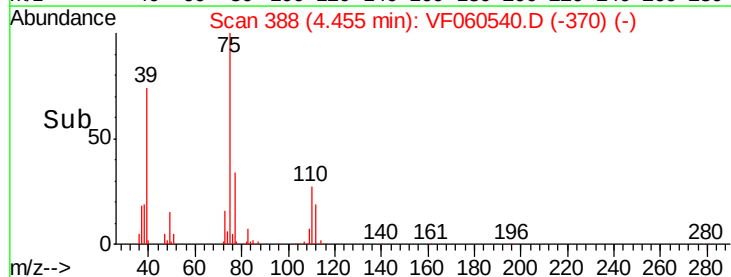
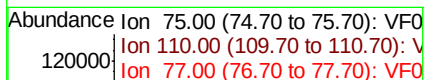
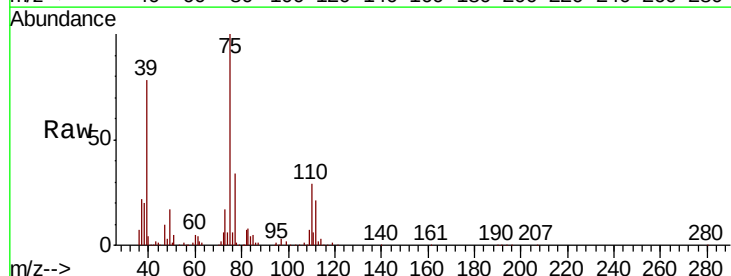
Tgt Ion: 75 Resp: 279801

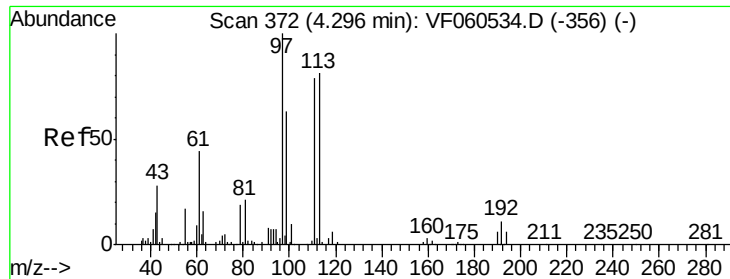
Ion Ratio Lower Upper

75 100

110 28.5 15.3 45.8

77 34.2 24.8 37.2

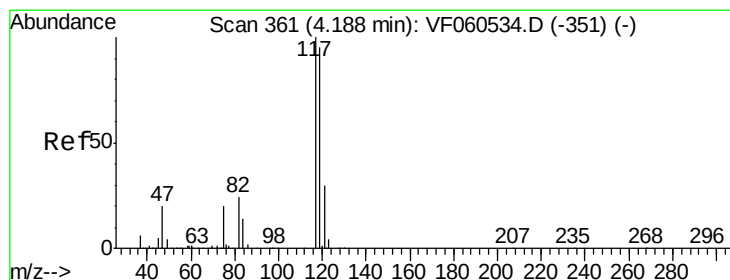
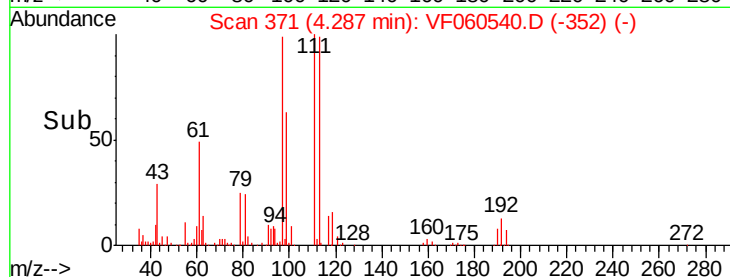
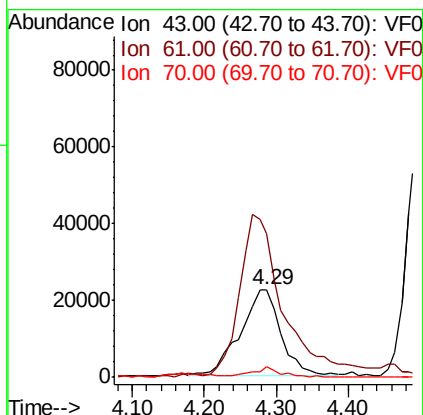
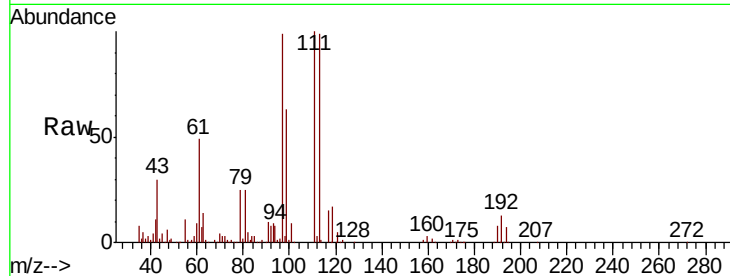




#37
Ethyl Acetate
Concen: 44.925 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

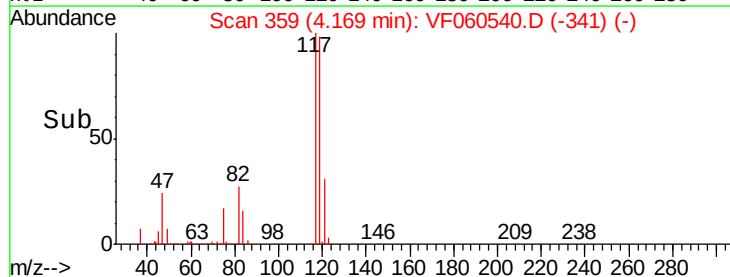
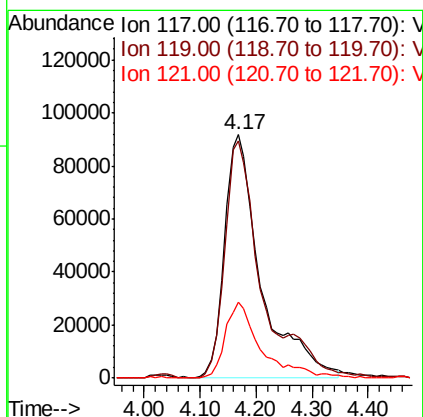
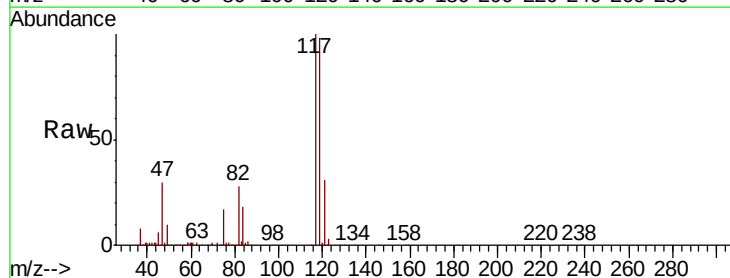
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

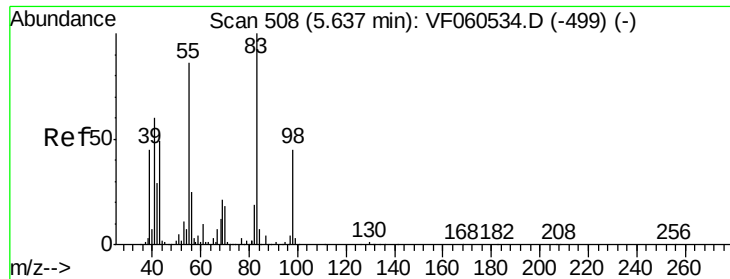
Tot Ion: 43 Resp: 87722
Ion Ratio Lower Upper
43 100
61 163.5 123.9 185.9
70 11.8 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 57.732 ug/l
RT: 4.17 min Scan# 359
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 117 Resp: 416916
Ion Ratio Lower Upper
117 100
119 97.6 76.5 114.7
121 31.4 24.3 36.5

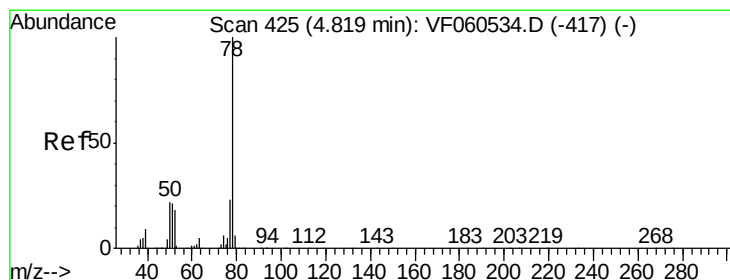
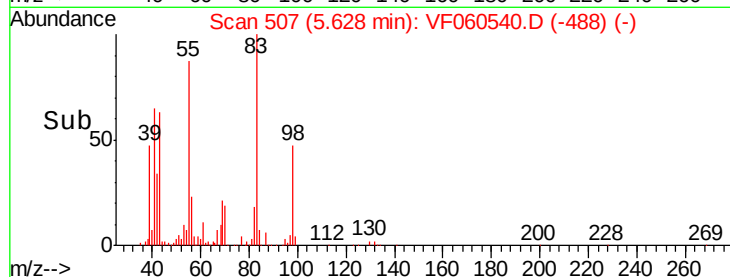
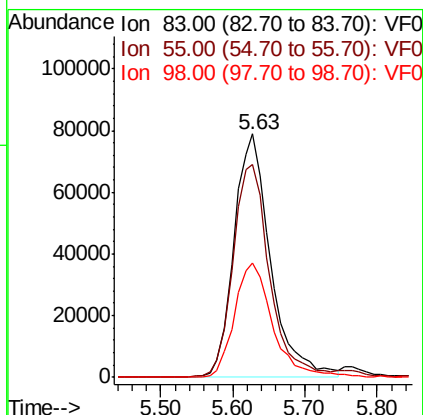
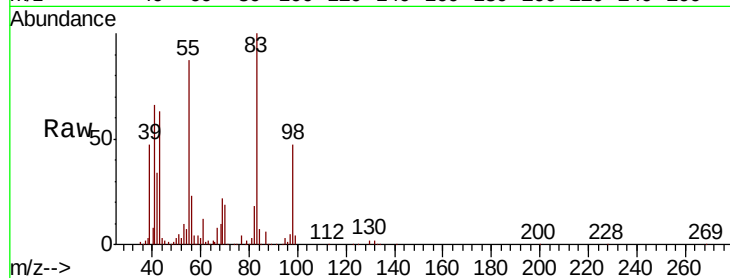




#39
Methylvlcyclohexane
Concen: 45.844 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

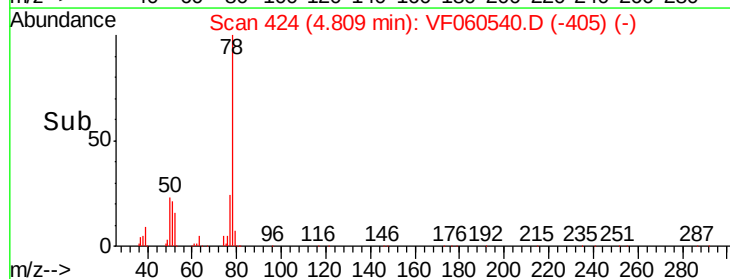
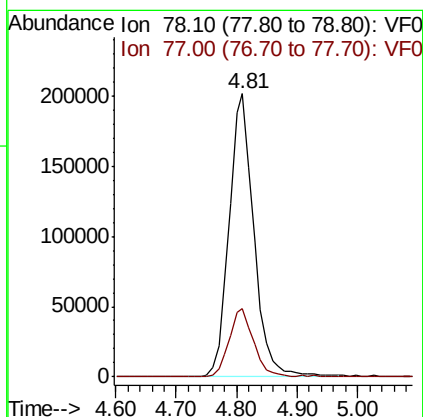
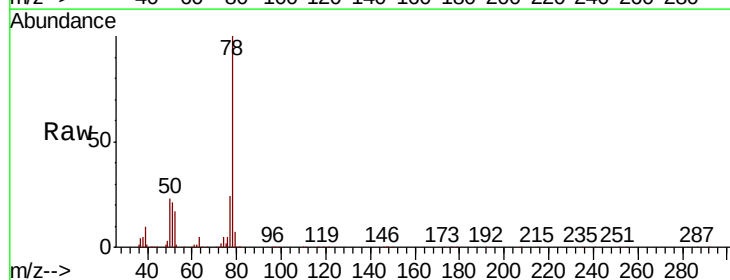
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

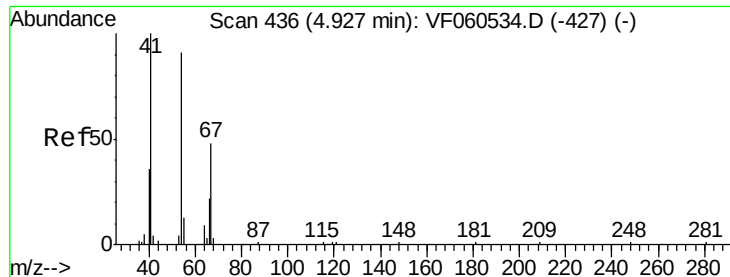
Tot Ion	83	Resp	279237
Ion Ratio	Lower	Upper	
83	100		
55	87.5	69.0	103.4
98	47.1	36.1	54.1



#40
Benzene
Concen: 47.758 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	78	Resp	571313
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.5	27.7

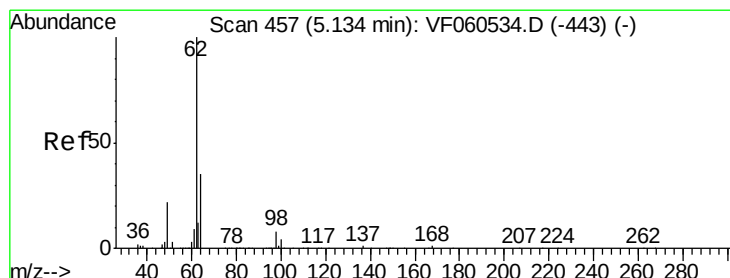
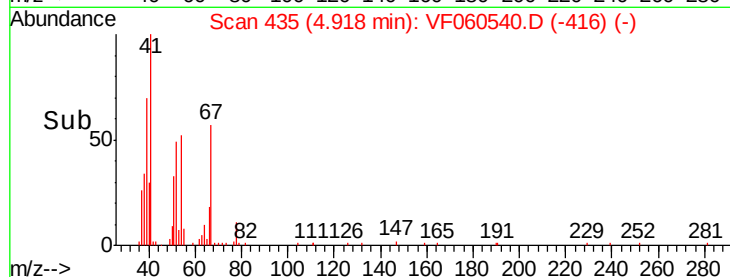
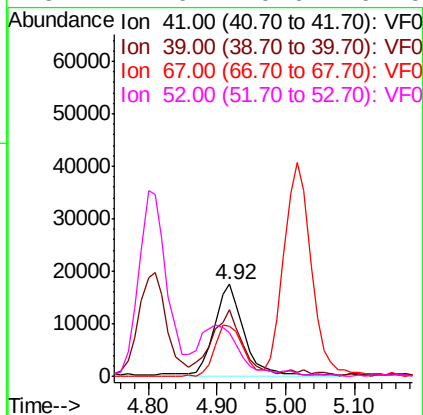
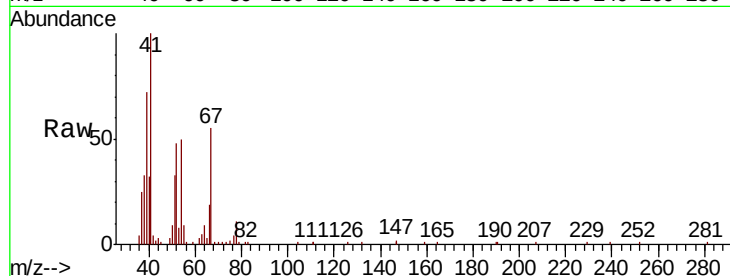




#41
Methacrylonitrile
Concen: 46.906 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

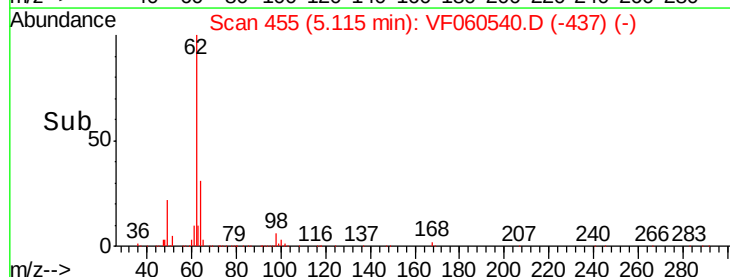
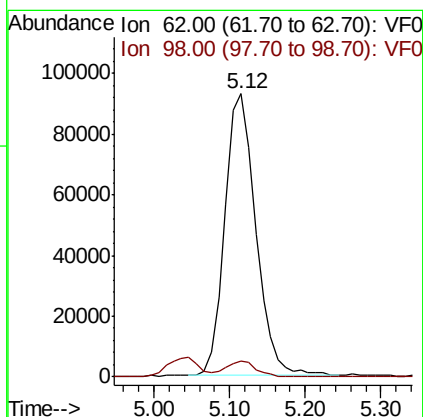
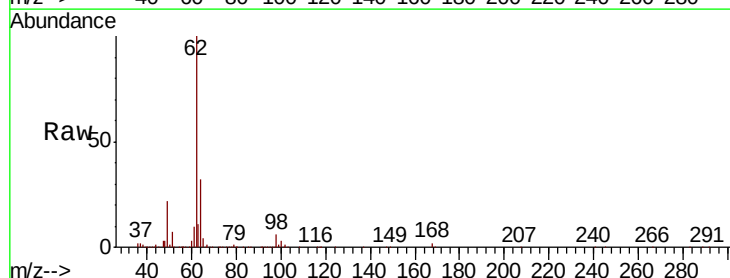
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

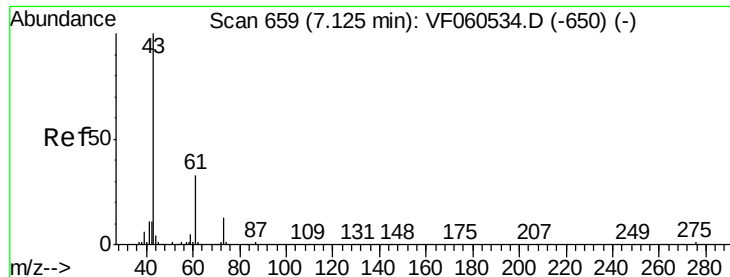
Tot Ion:	41	Resp:	52354
Ion	Ratio	Lower	Upper
41	100		
39	72.4	51.0	76.6
67	55.0	38.0	57.0
52	47.6	40.6	61.0



#42
1,2-Dichloroethane
Concen: 47.365 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion:	62	Resp:	263098
Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 48.646 ug/l

RT: 7.11 min Scan# 657

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

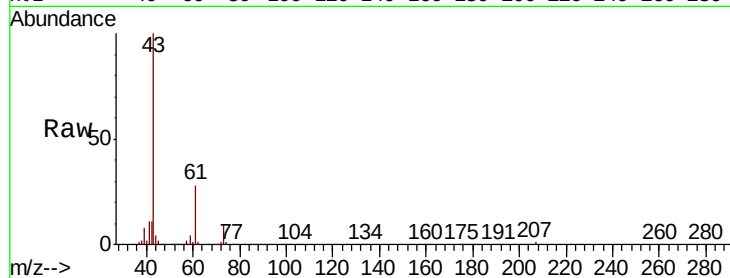
Tot Ion: 43 Resp: 114974

Ion Ratio Lower Upper

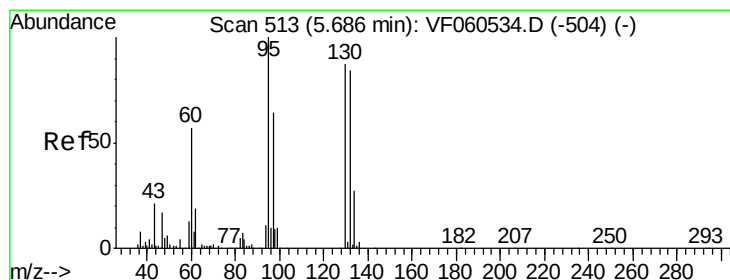
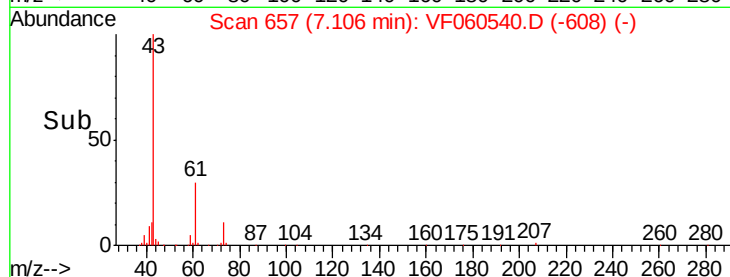
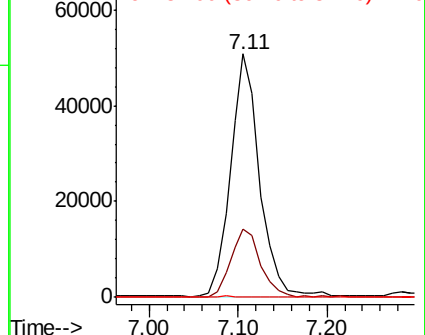
43 100

61 28.1 26.6 40.0

87 0.4 0.6 1.0#



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



#44

Trichloroethene

Concen: 46.842 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.02 min

Lab File: VF060540.D

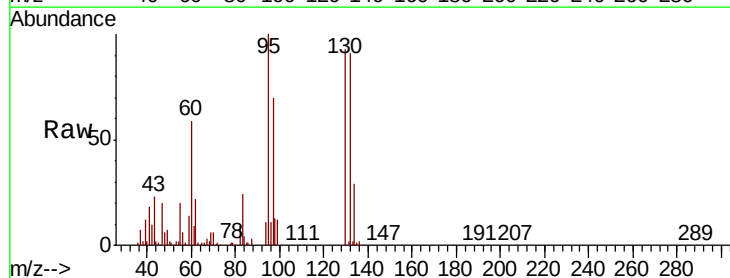
Acq: 30 Oct 2018 11:45

Tgt Ion:130 Resp: 181137

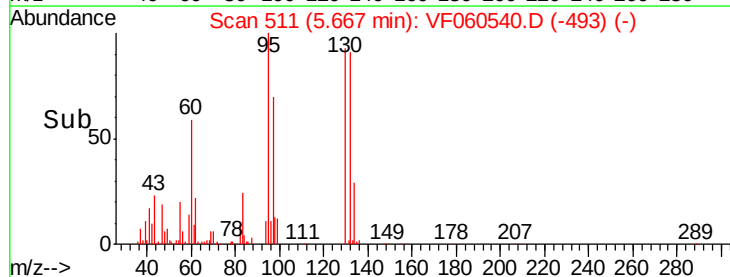
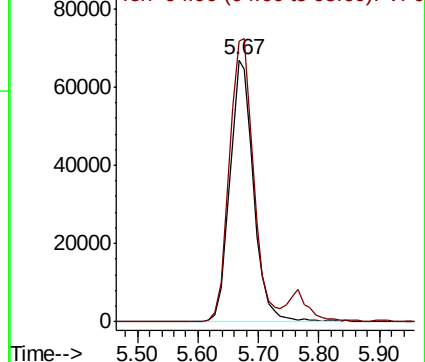
Ion Ratio Lower Upper

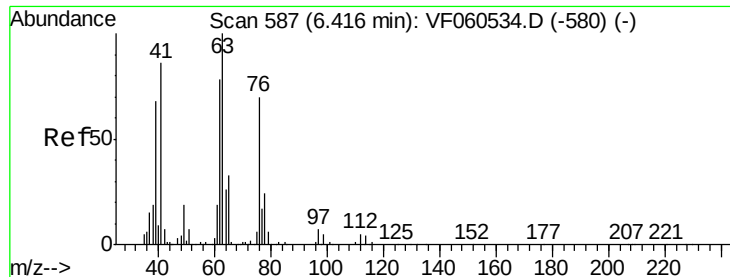
130 100

95 107.4 0.0 229.4



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





#45

1,2-Dichloropropane

Concen: 48.776 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

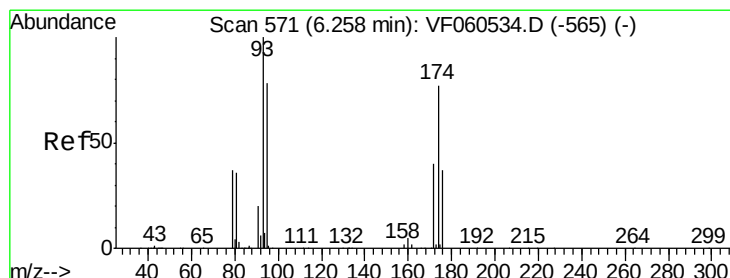
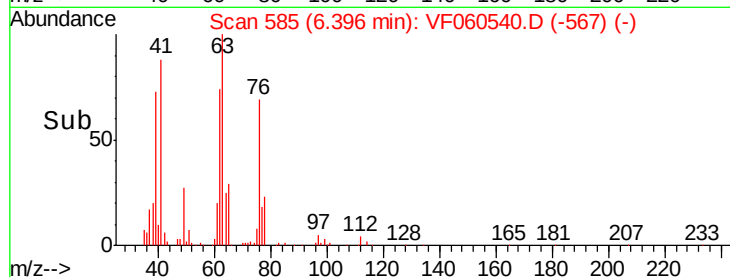
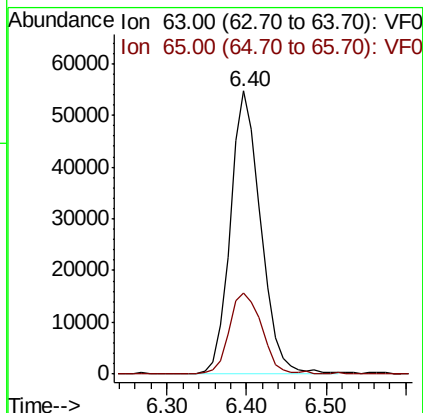
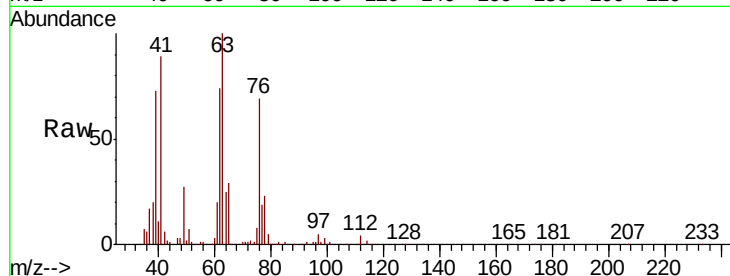
VSTDCCC050

Tot Ion: 63 Resp: 145610

Ion Ratio Lower Upper

63 100

65 28.6 26.5 39.7



#46

Dibromomethane

Concen: 49.581 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

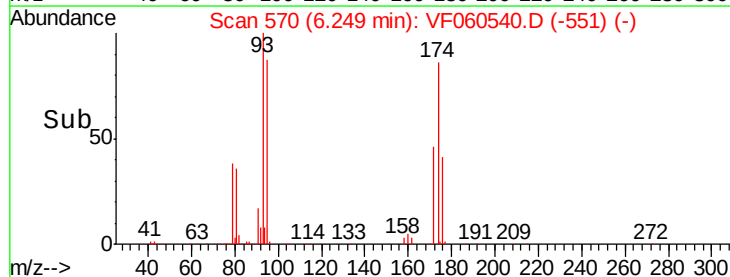
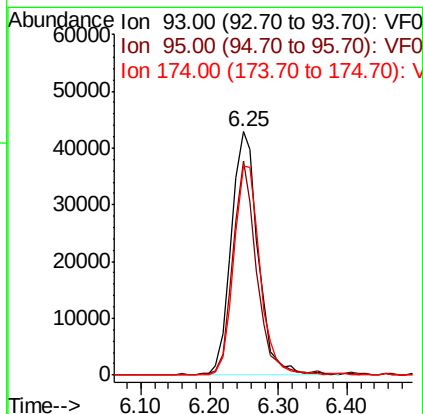
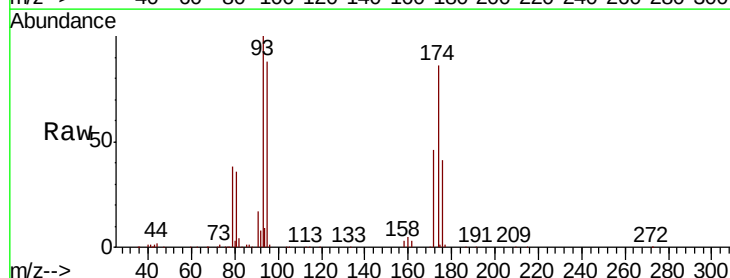
Tgt Ion: 93 Resp: 116229

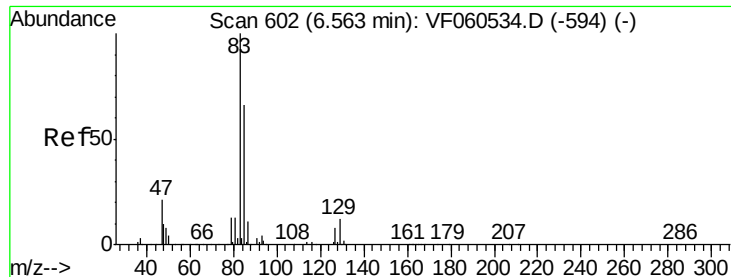
Ion Ratio Lower Upper

93 100

95 87.7 64.3 96.5

174 85.9 63.3 94.9





#47

Bromodichloromethane

Concen: 50.010 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

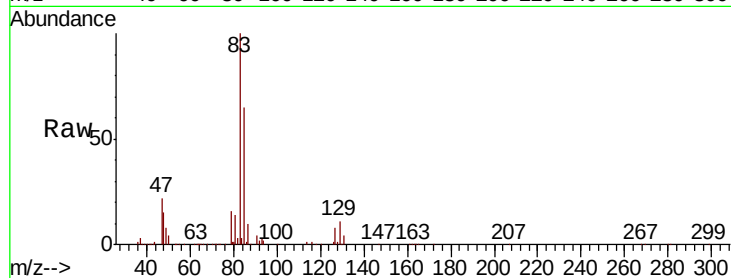
Tot Ion: 83 Resp: 300822

Ion Ratio Lower Upper

83 100

85 64.9 52.7 79.1

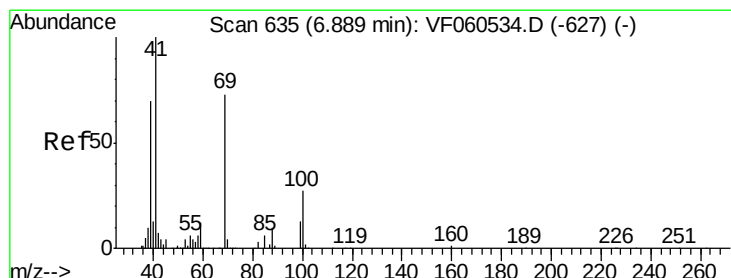
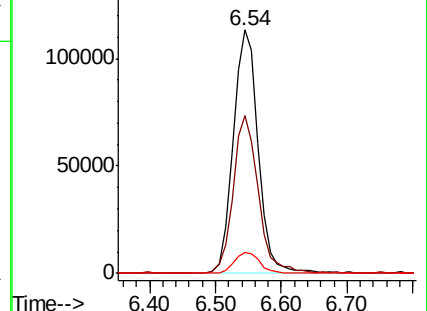
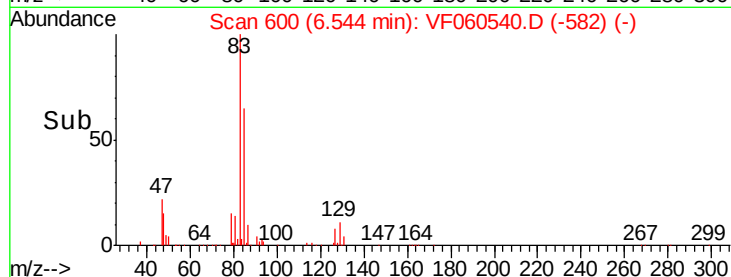
127 8.4 6.4 9.6



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: 47.959 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

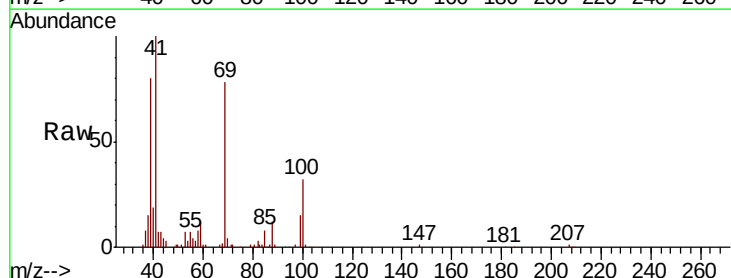
Tgt Ion: 41 Resp: 78183

Ion Ratio Lower Upper

41 100

69 77.8 58.4 87.6

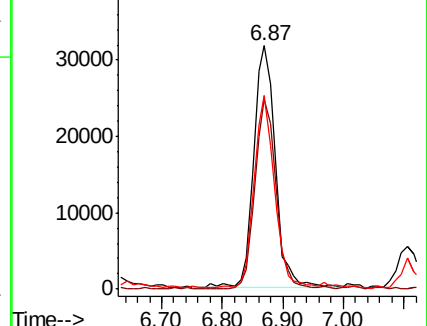
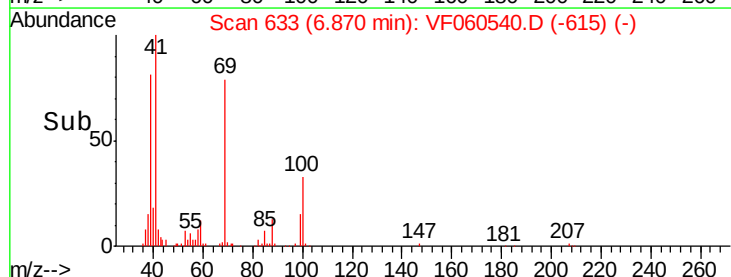
39 79.6 56.4 84.6

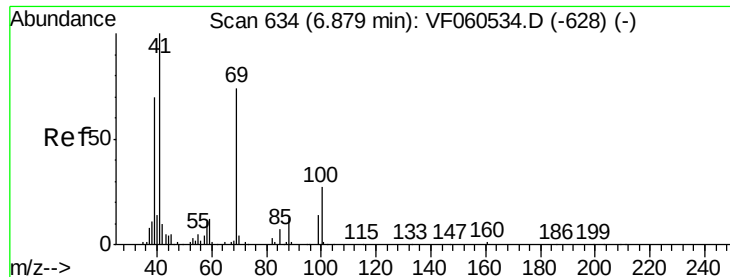


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 967.812 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

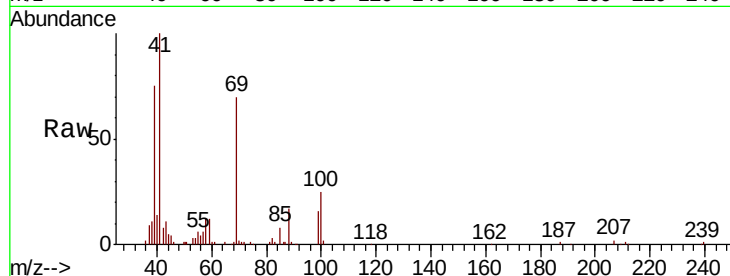
Tot Ion: 88 Resp: 14677

Ion Ratio Lower Upper

88 100

43 64.5 49.7 74.5

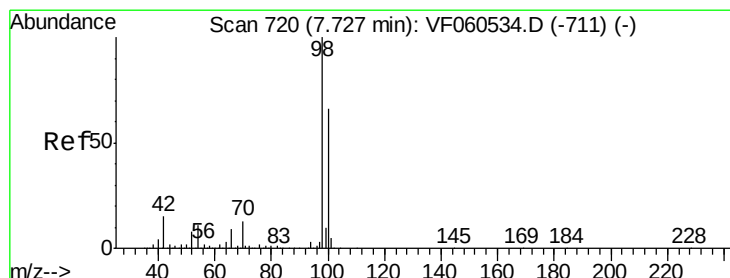
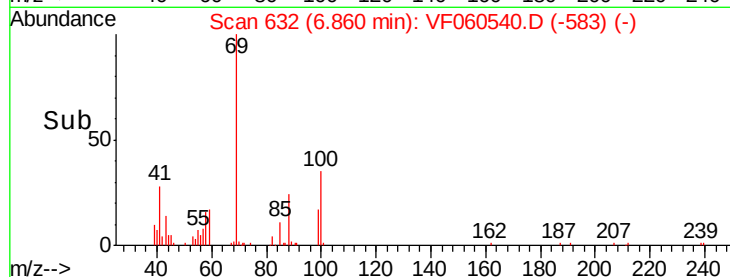
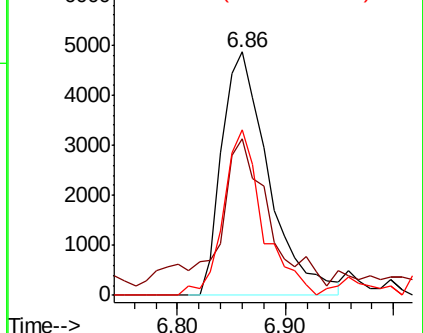
58 67.8 67.7 101.5



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: 50.973 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.02 min

Lab File: VF060540.D

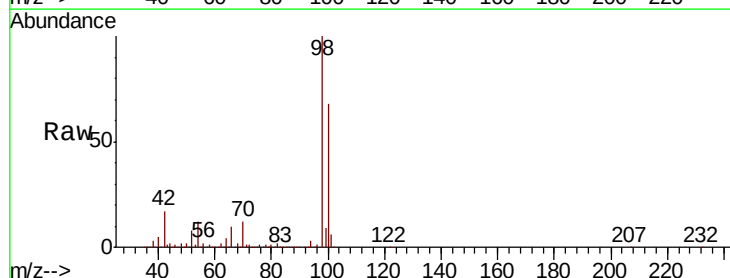
Acq: 30 Oct 2018 11:45

Tgt Ion: 98 Resp: 578260

Ion Ratio Lower Upper

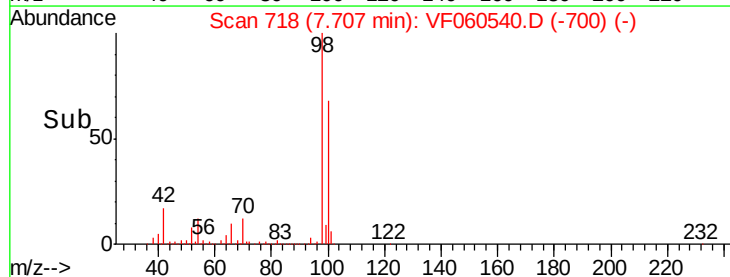
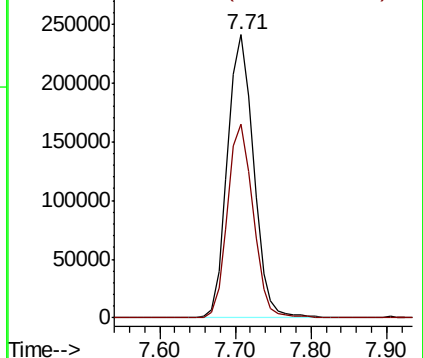
98 100

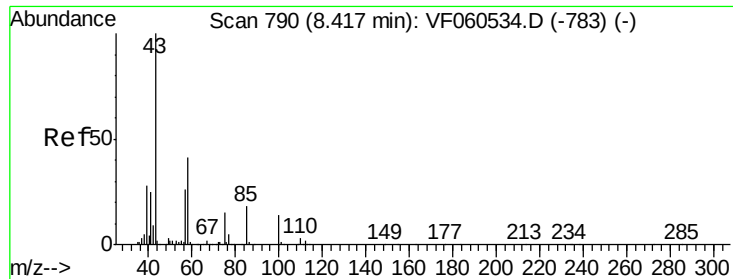
100 68.5 53.0 79.6



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: 242.367 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

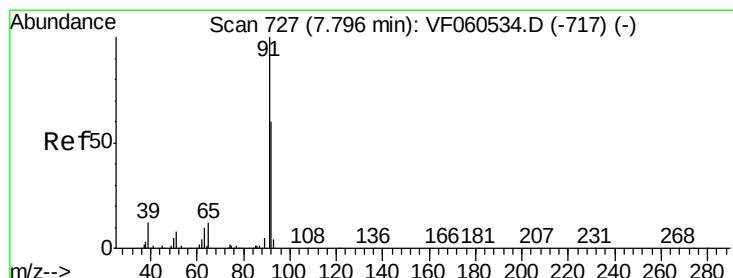
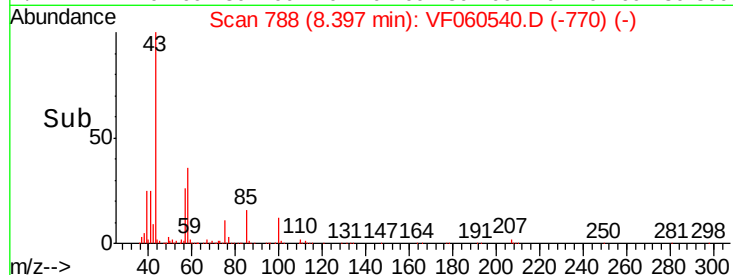
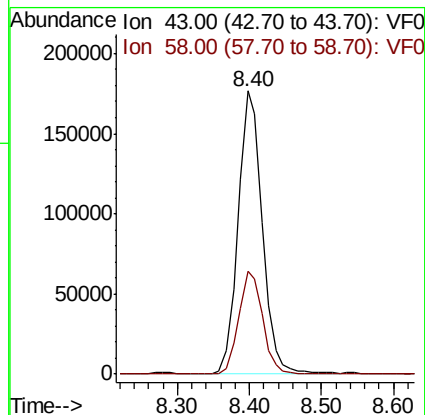
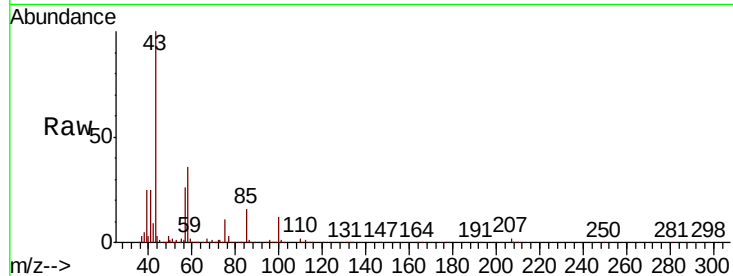
VSTDCCC050

Tot Ion: 43 Resp: 414936

Ion Ratio Lower Upper

43 100

58 36.3 32.6 49.0



#52

Toluene

Concen: 47.509 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060540.D

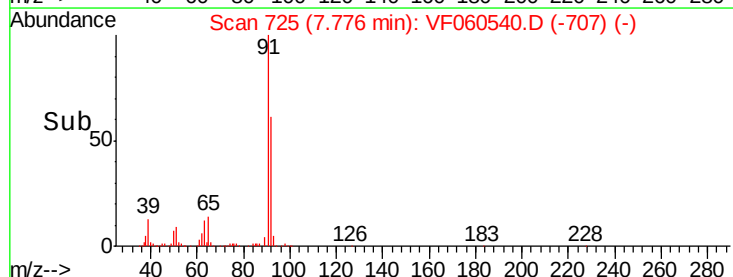
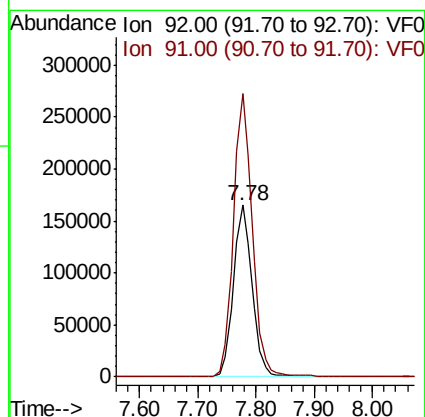
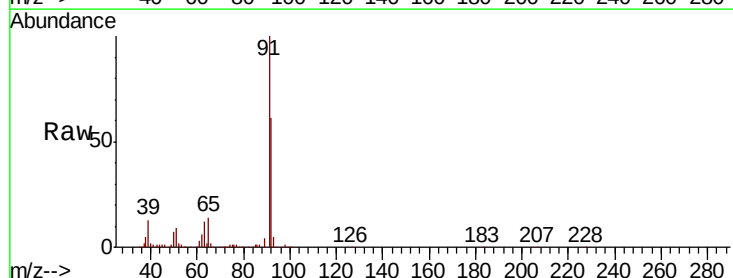
Acq: 30 Oct 2018 11:45

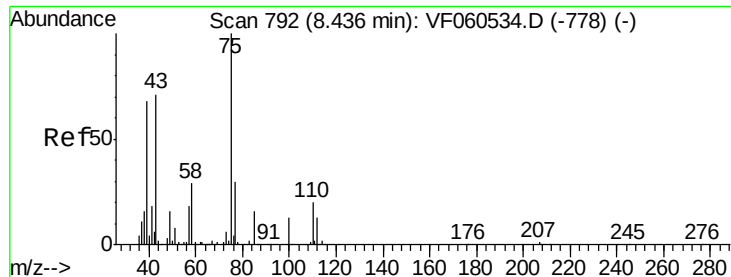
Tgt Ion: 92 Resp: 368953

Ion Ratio Lower Upper

92 100

91 164.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 47.238 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

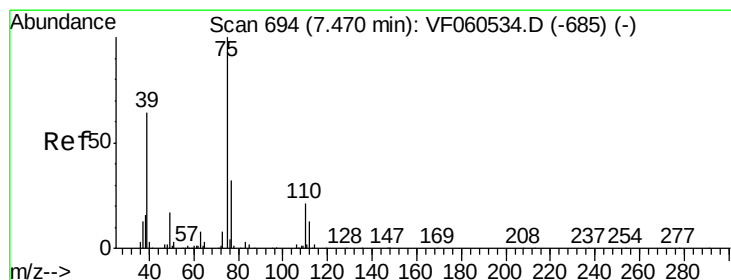
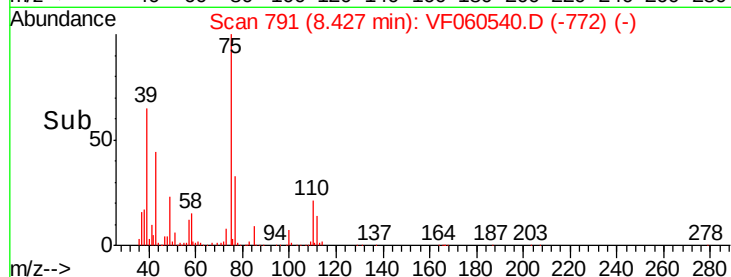
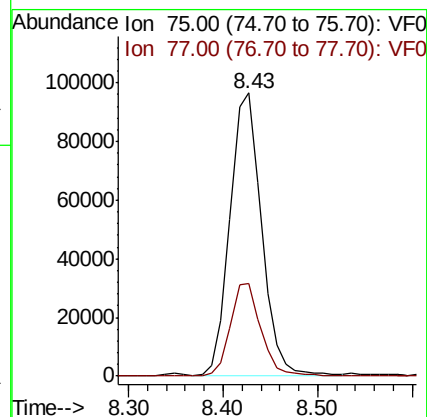
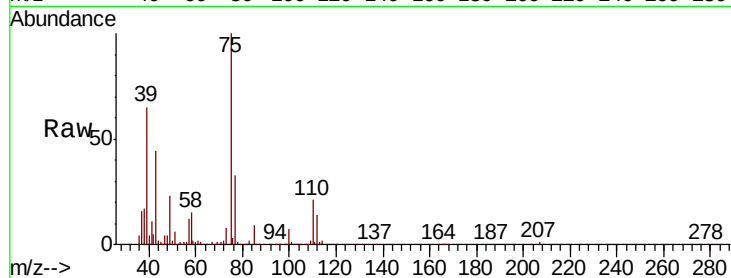
VSTDCCC050

Tot Ion: 75 Resp: 221965

Ion Ratio Lower Upper

75 100

77 32.8 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 50.317 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

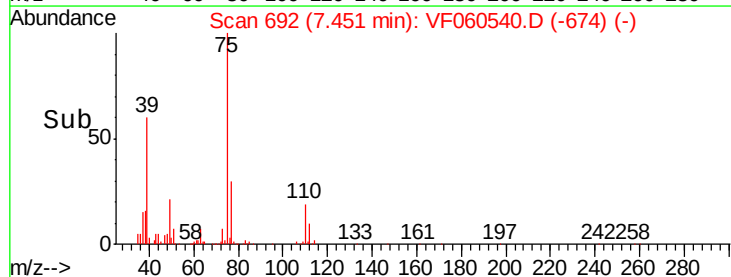
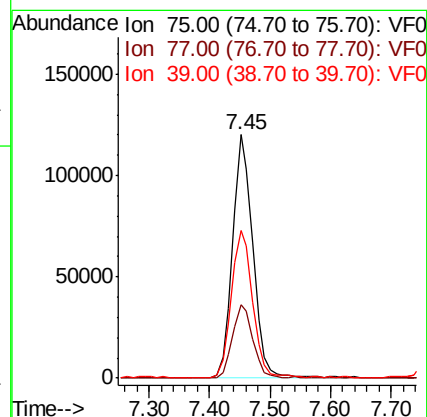
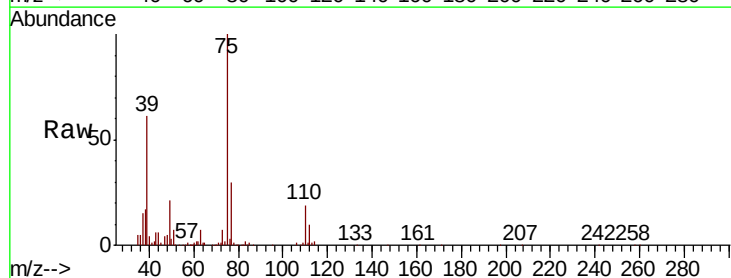
Tgt Ion: 75 Resp: 280199

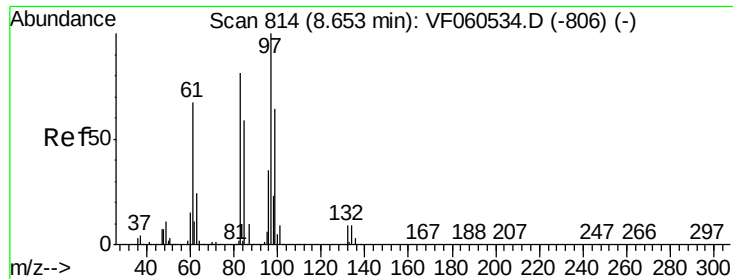
Ion Ratio Lower Upper

75 100

77 30.3 25.7 38.5

39 60.5 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 48.488 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 112827

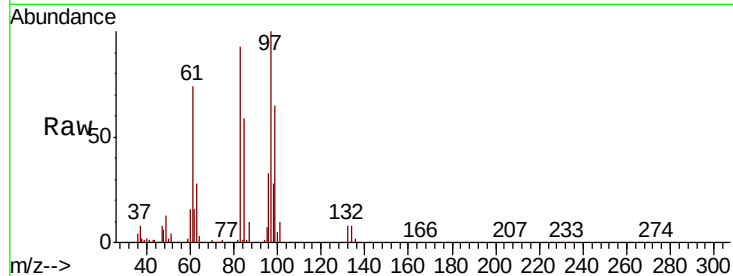
Ion Ratio Lower Upper

97 100

83 92.9 65.3 97.9

85 59.4 47.6 71.4

99 64.8 51.5 77.3

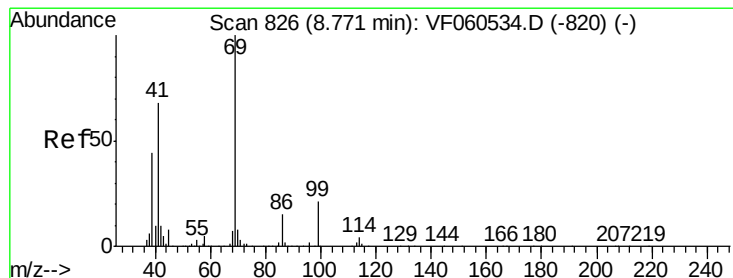
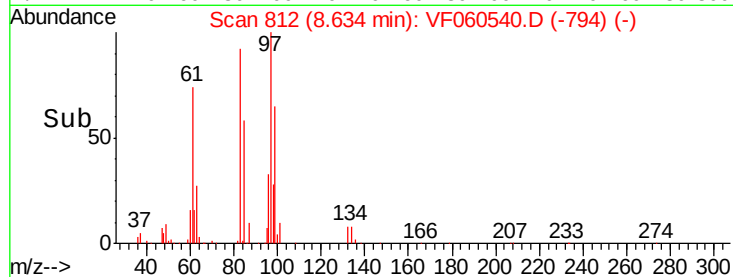
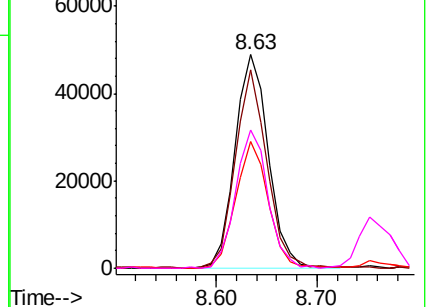


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 47.952 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

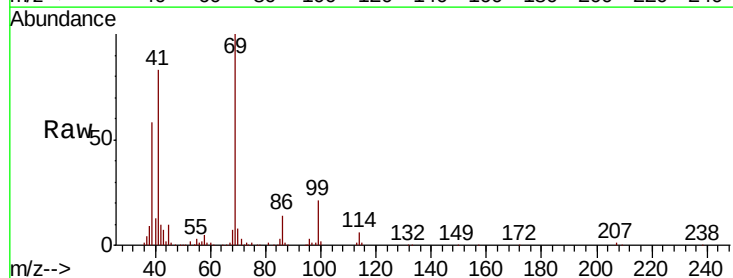
Tgt Ion: 69 Resp: 125200

Ion Ratio Lower Upper

69 100

41 83.1 55.0 82.6#

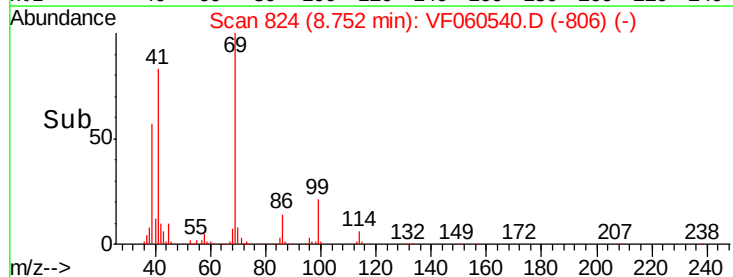
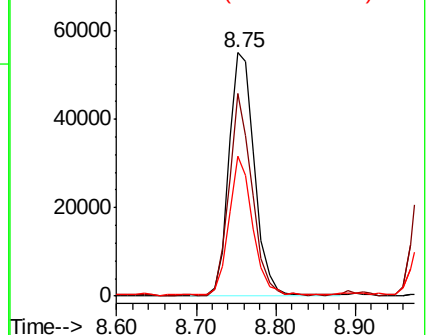
39 57.5 35.1 52.7#

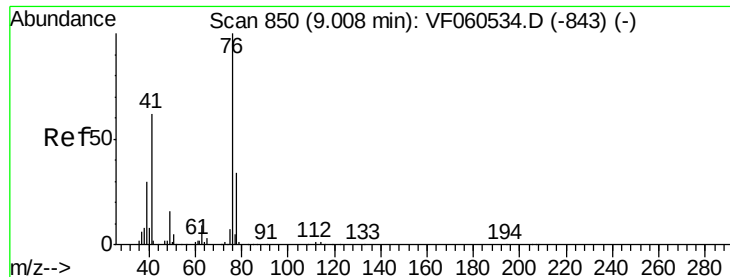


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.758 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

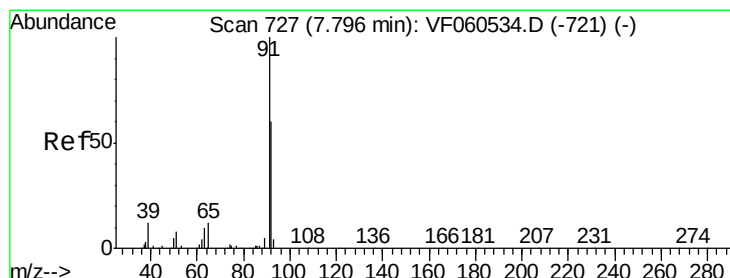
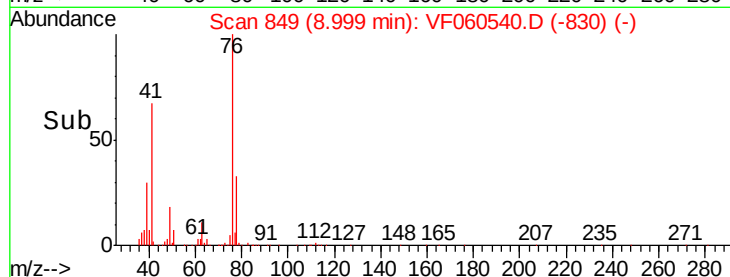
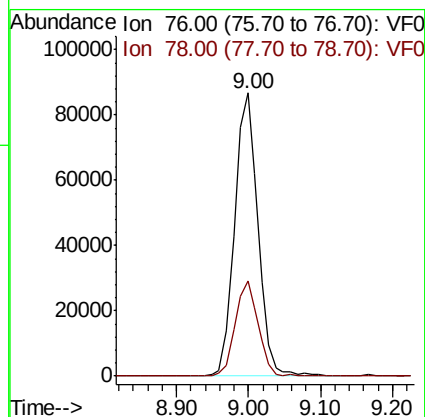
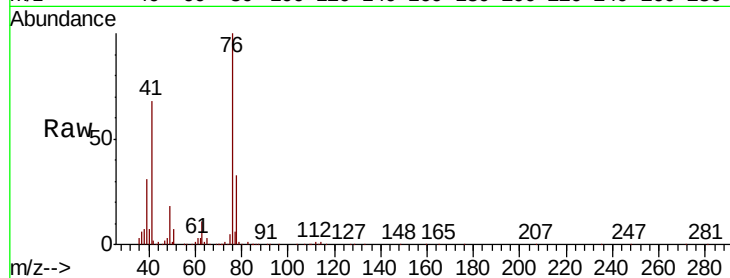
VSTDCCC050

Tot Ion: 76 Resp: 195934

Ion Ratio Lower Upper

76 100

78 33.4 27.3 40.9



#58

2-Chloroethyl Vinyl ether

Concen: 267.400 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060540.D

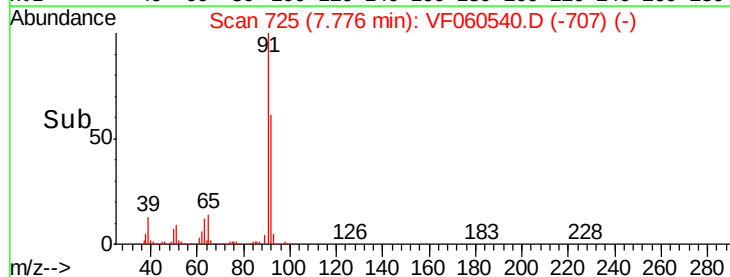
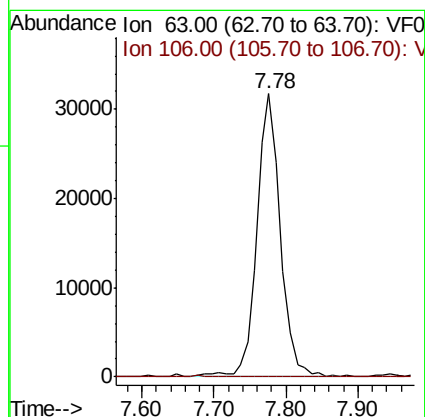
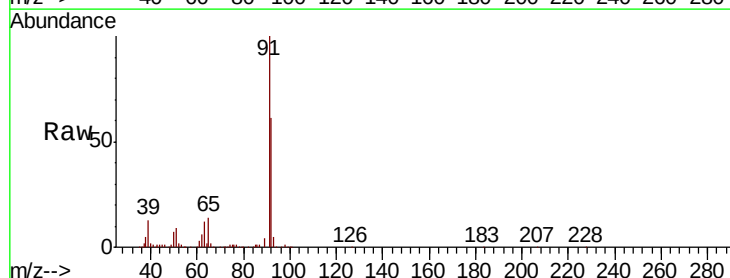
Acq: 30 Oct 2018 11:45

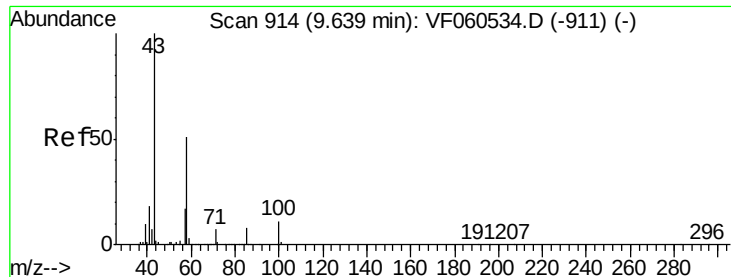
Tgt Ion: 63 Resp: 71956

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

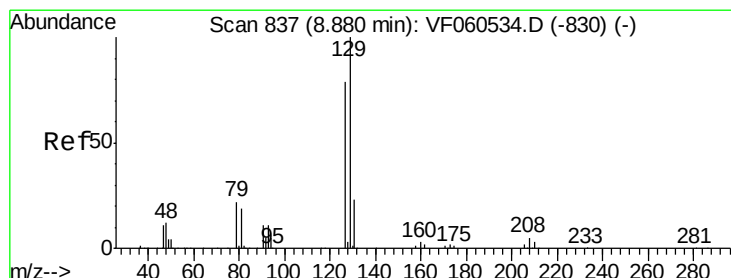
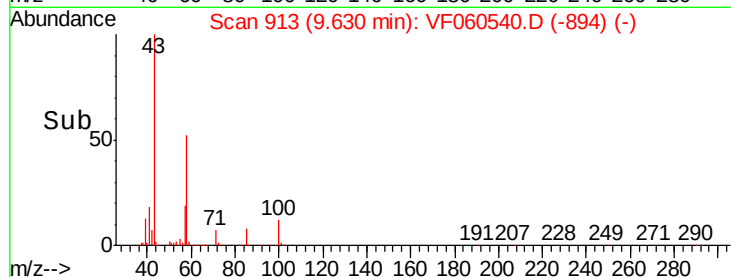
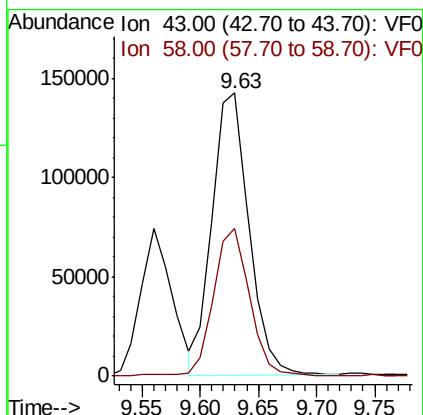
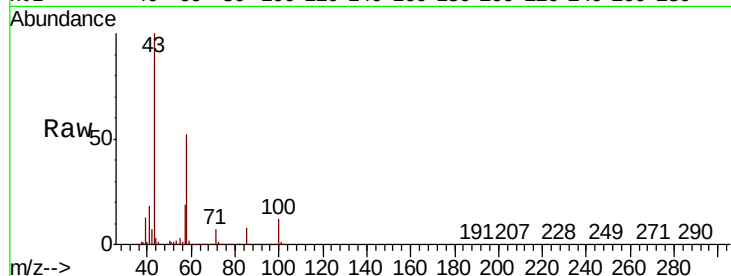




#59
2-Hexanone
Concen: 247.858 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

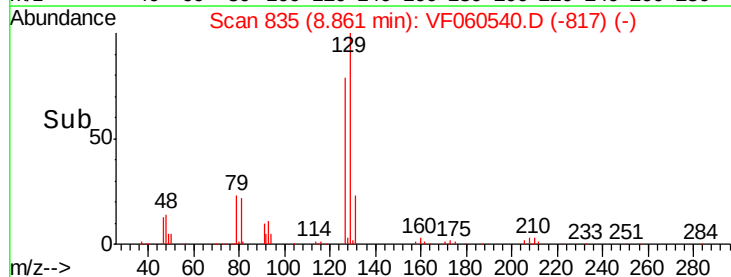
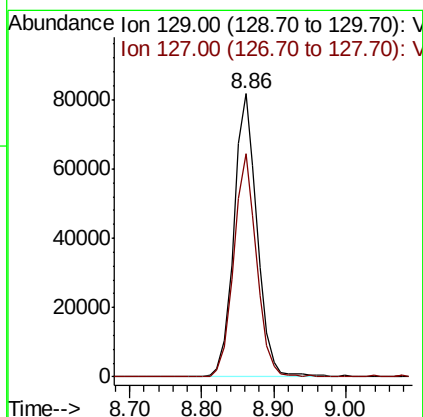
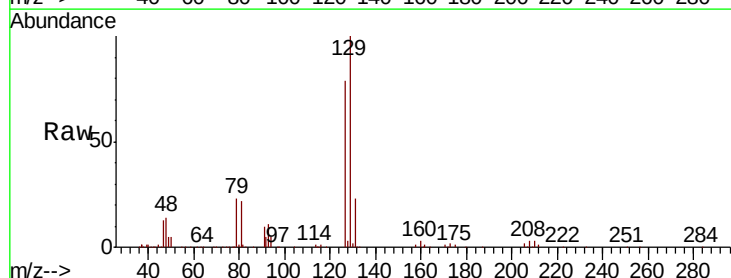
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

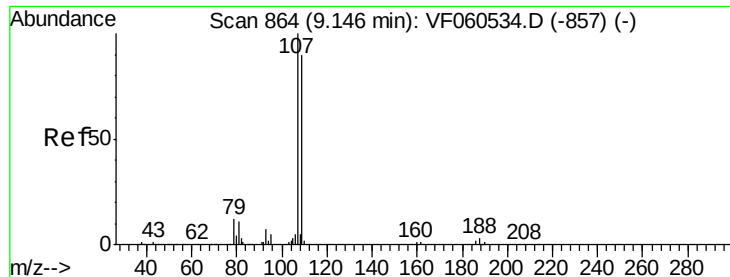
Tot Ion: 43 Resp: 312732
Ion Ratio Lower Upper
43 100
58 52.4 24.1 72.3



#60
Dibromochloromethane
Concen: 48.994 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 129 Resp: 183652
Ion Ratio Lower Upper
129 100
127 78.9 39.6 119.0





#61

1,2-Dibromoethane

Concen: 47.715 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

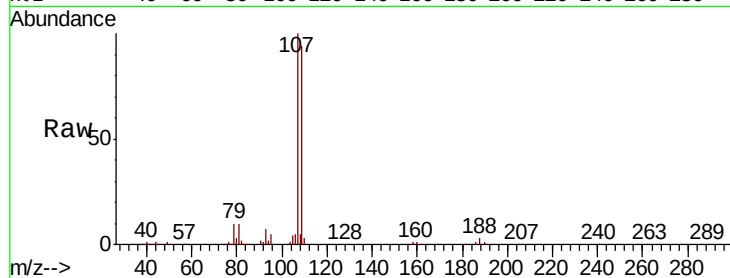
VSTDCCC050

Tot Ion:107 Resp: 128548

Ion Ratio Lower Upper

107 100

109 93.6 72.2 108.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

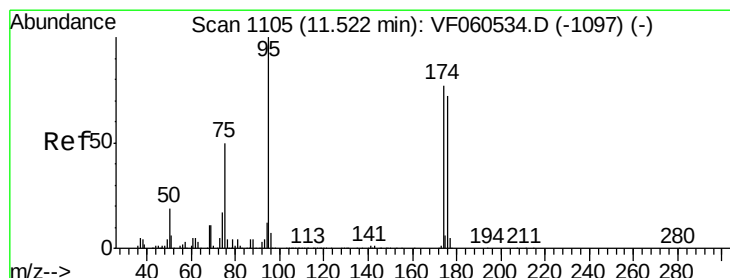
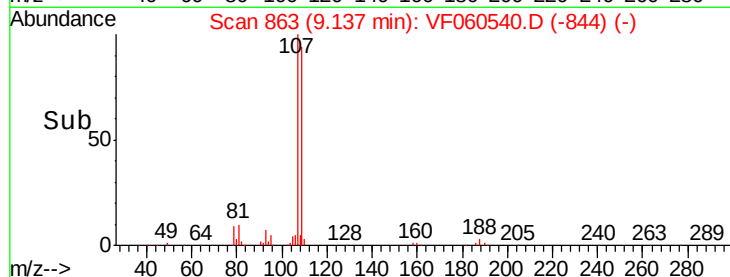
20000

10000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 48.905 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

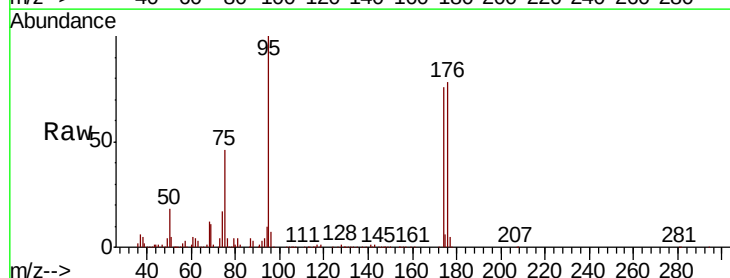
Tgt Ion: 95 Resp: 255634

Ion Ratio Lower Upper

95 100

174 76.3 0.0 153.8

176 78.2 0.0 143.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

200000

150000

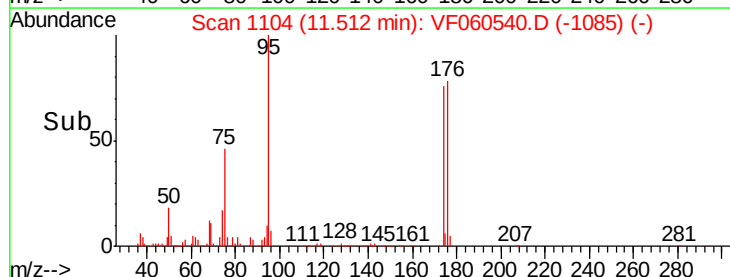
100000

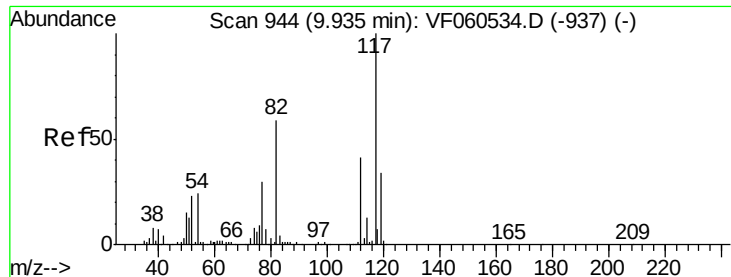
50000

0

11.40 11.50 11.60 11.70

Time-->

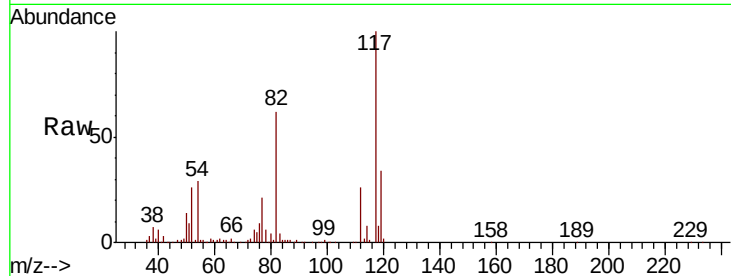




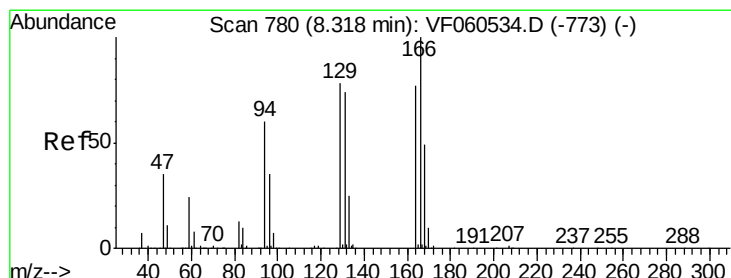
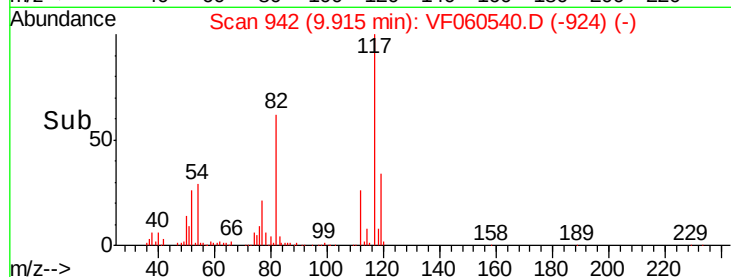
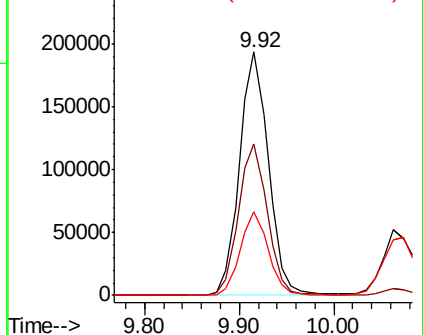
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 410802
Ion Ratio Lower Upper
117 100
82 62.4 47.6 71.4
119 34.3 27.3 40.9

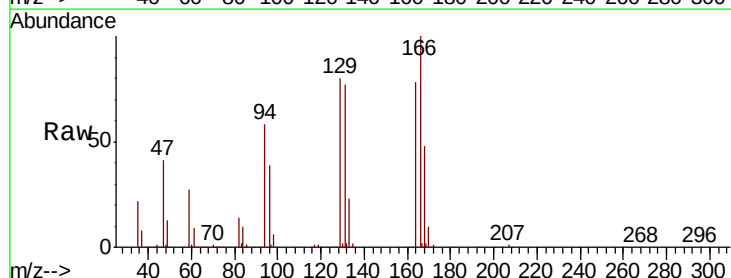


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

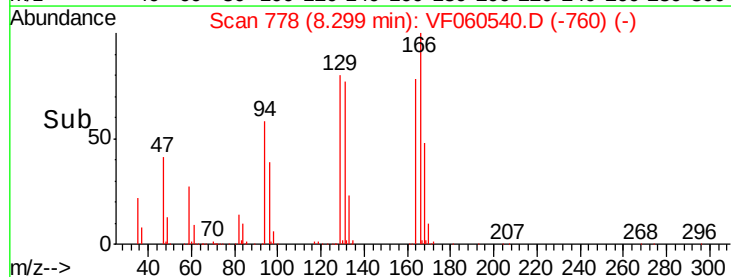
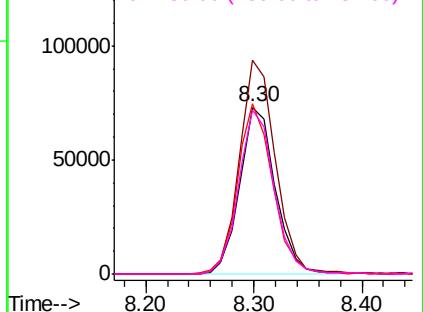


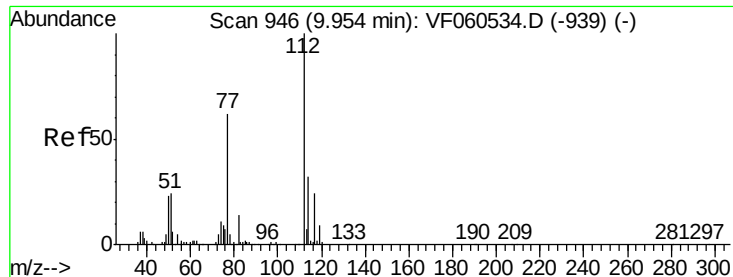
#64
Tetrachloroethene
Concen: 48.001 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion:164 Resp: 166688
Ion Ratio Lower Upper
164 100
166 127.9 103.4 155.2
129 101.7 80.7 121.1
131 97.9 76.3 114.5



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: 49.088 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

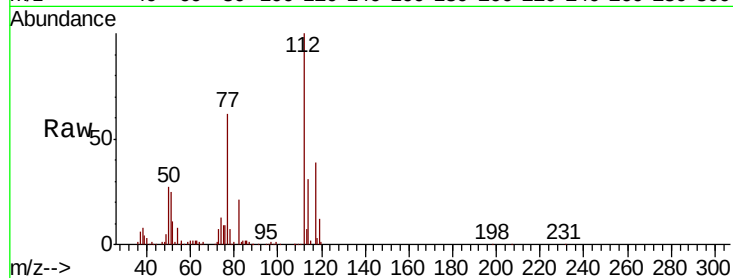
VSTDCCC050

Tot Ion:112 Resp: 405719

Ion Ratio Lower Upper

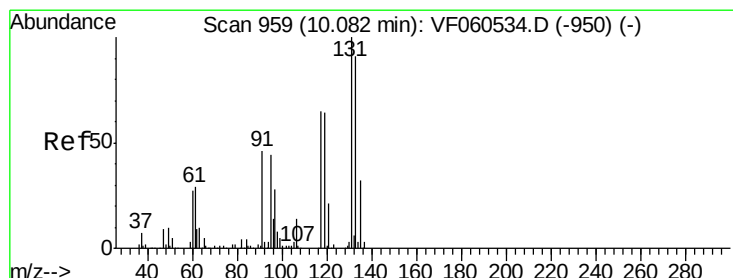
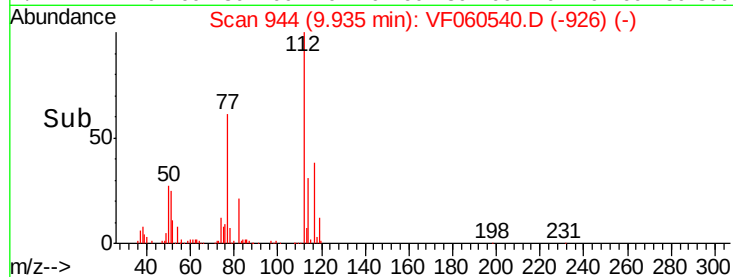
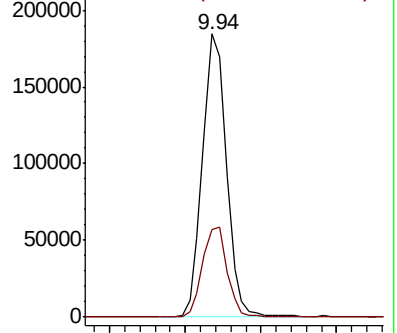
112 100

114 30.9 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.351 ug/l

RT: 10.06 min Scan# 957

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

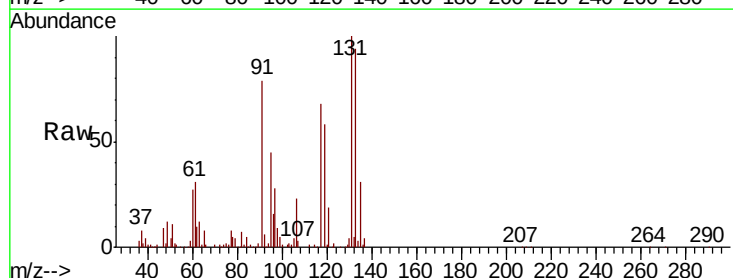
Tgt Ion:131 Resp: 182099

Ion Ratio Lower Upper

131 100

133 93.9 45.8 137.3

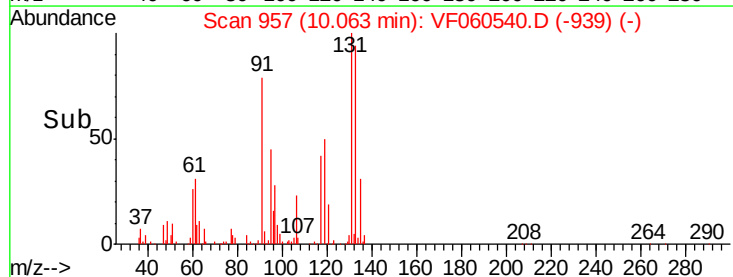
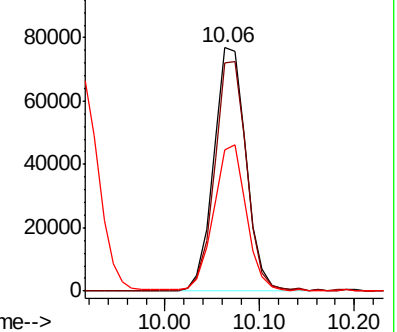
119 57.9 32.4 97.0

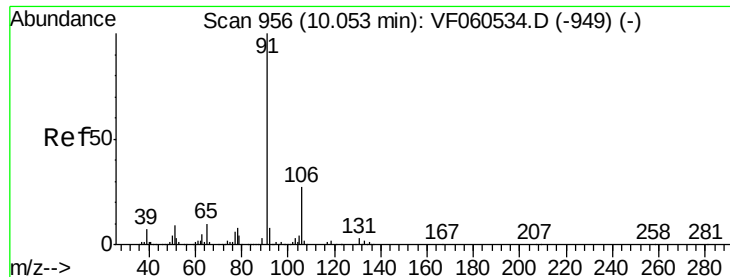


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 48.508 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

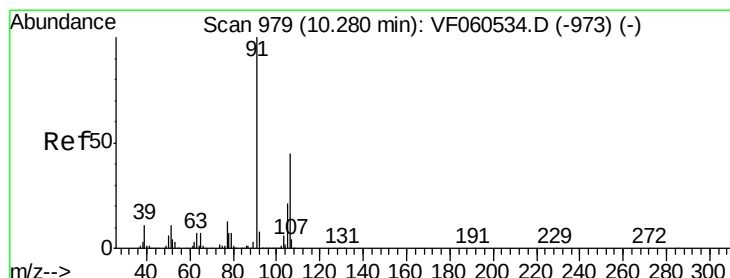
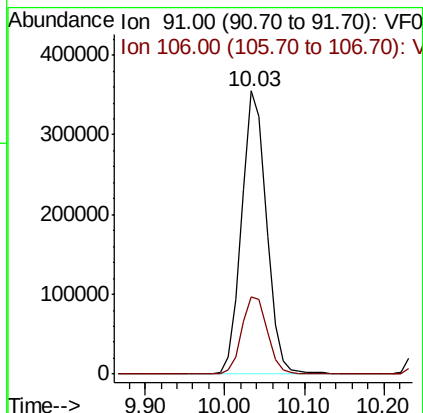
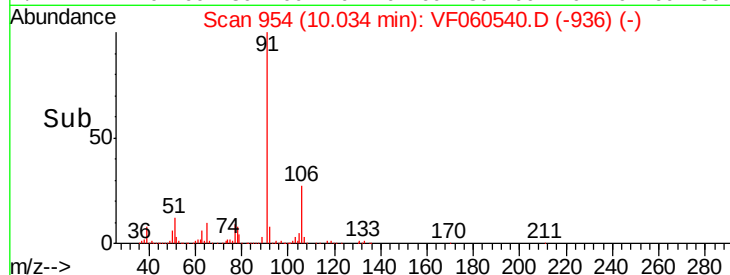
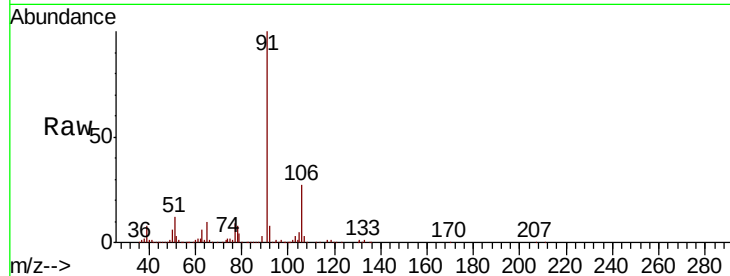
VSTDCCC050

Tot Ion: 91 Resp: 766038

Ion Ratio Lower Upper

91 100

106 27.3 21.9 32.9



#68

m/p-Xylenes

Concen: 96.062 ug/l

RT: 10.27 min Scan# 978

Delta R.T. -0.01 min

Lab File: VF060540.D

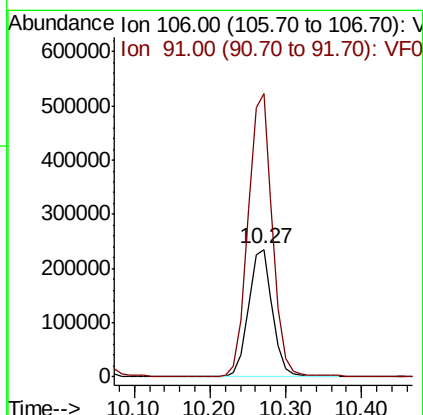
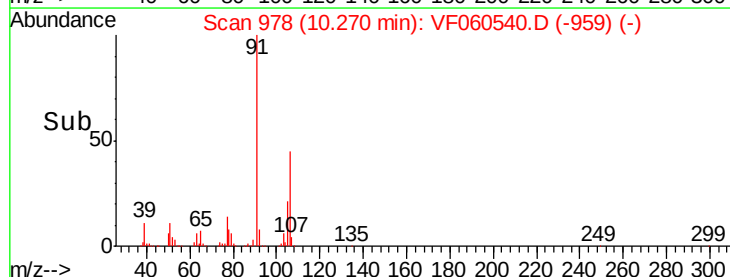
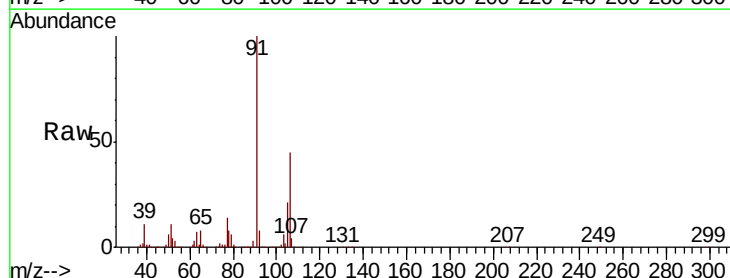
Acq: 30 Oct 2018 11:45

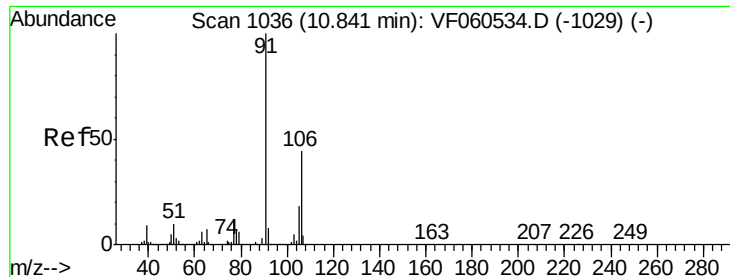
Tgt Ion: 106 Resp: 518091

Ion Ratio Lower Upper

106 100

91 221.7 176.2 264.2

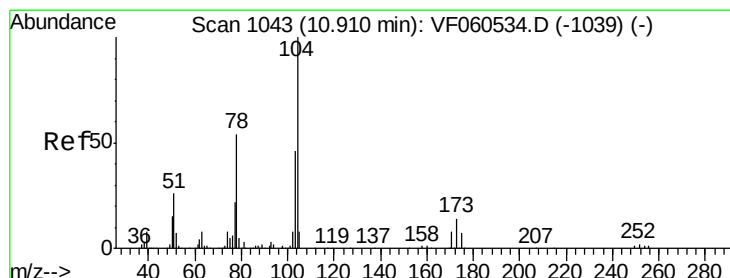
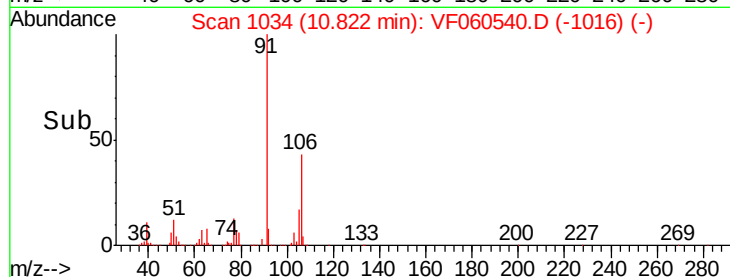
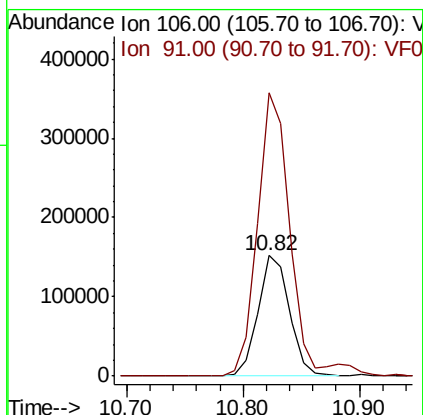
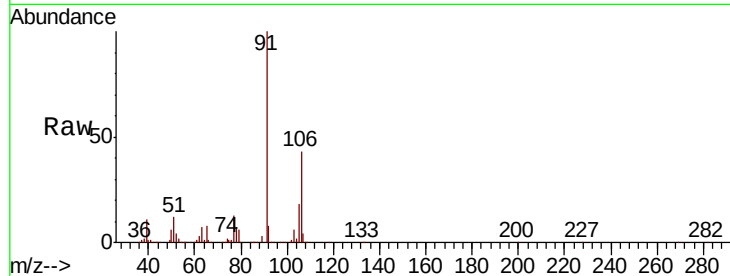




#69
o-Xylene
Concen: 46.897 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

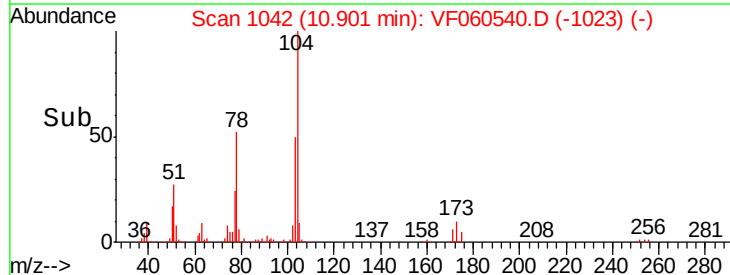
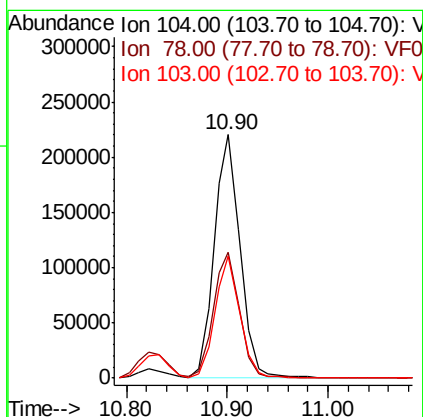
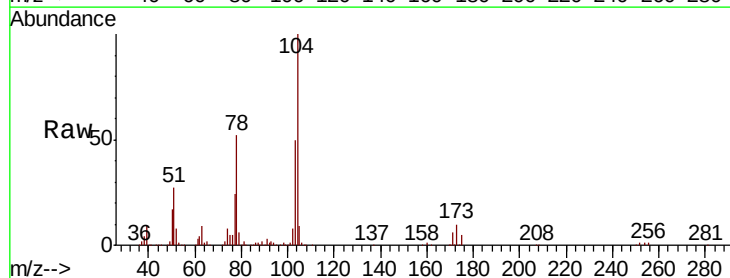
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

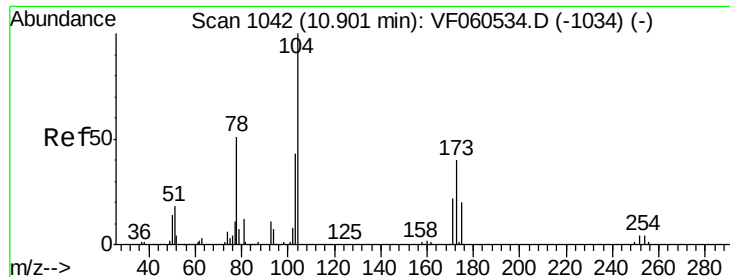
Tot Ion:106 Resp: 284846
Ion Ratio Lower Upper
106 100
91 235.0 112.9 338.8



#70
Styrene
Concen: 45.808 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion:104 Resp: 392266
Ion Ratio Lower Upper
104 100
78 51.9 43.4 65.2
103 50.3 36.9 55.3





#71

Bromoform

Concen: 47.829 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

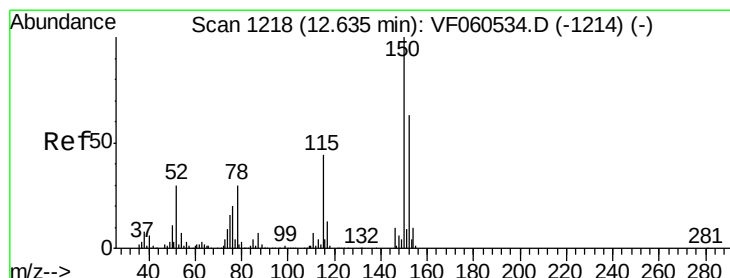
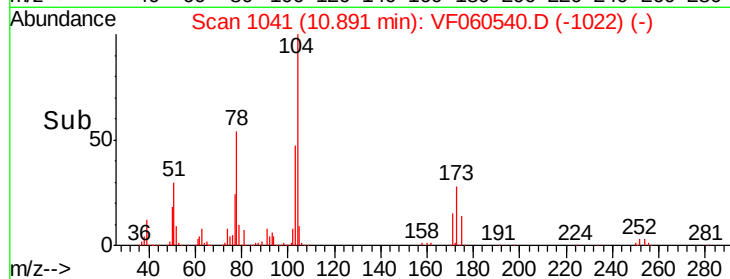
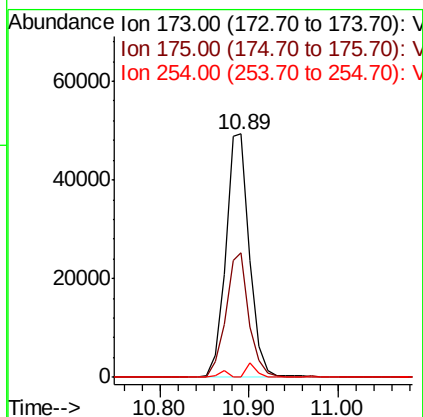
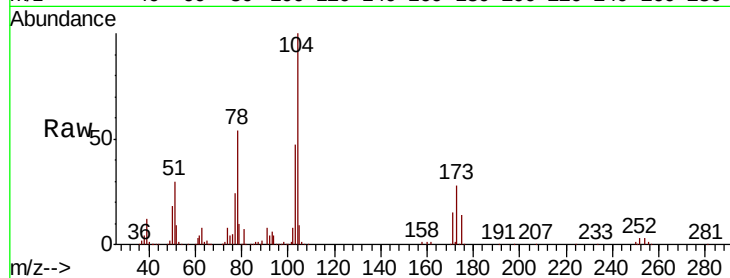
Tot Ion:173 Resp: 92911

Ion Ratio Lower Upper

173 100

175 51.0 25.7 77.0

254 0.0 7.8 11.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

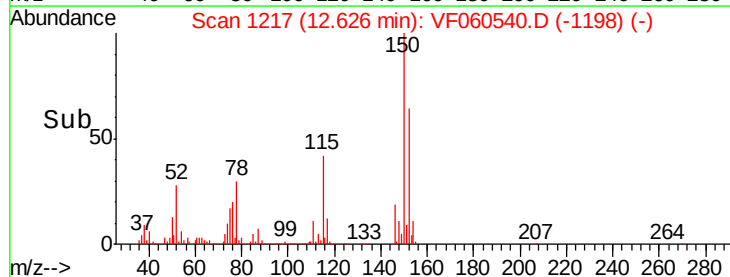
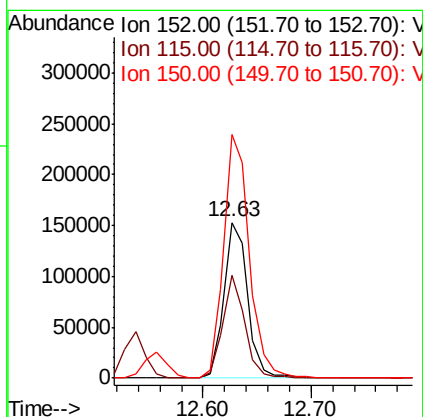
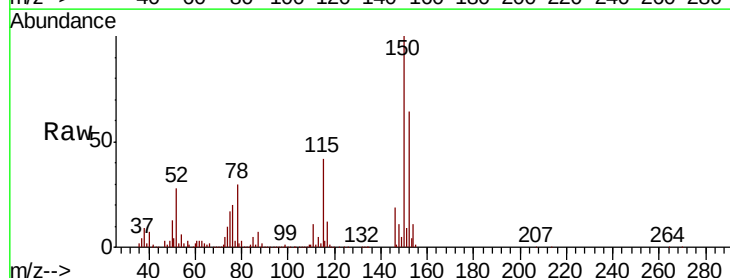
Tgt Ion:152 Resp: 232953

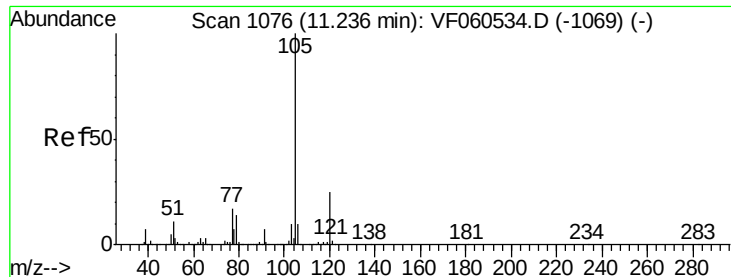
Ion Ratio Lower Upper

152 100

115 66.5 34.7 104.1

150 156.5 0.0 318.4





#73

Isopropylbenzene

Concen: 49.789 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

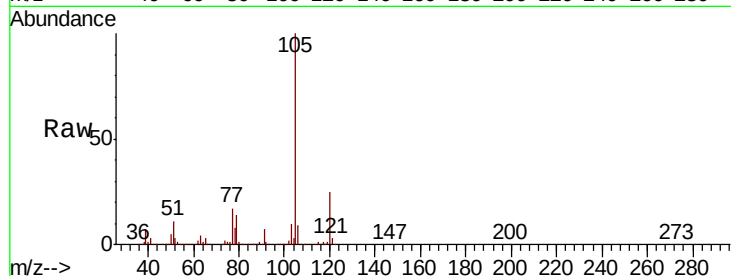
VSTDCCC050

Tot Ion:105 Resp: 886623

Ion Ratio Lower Upper

105 100

120 24.7 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

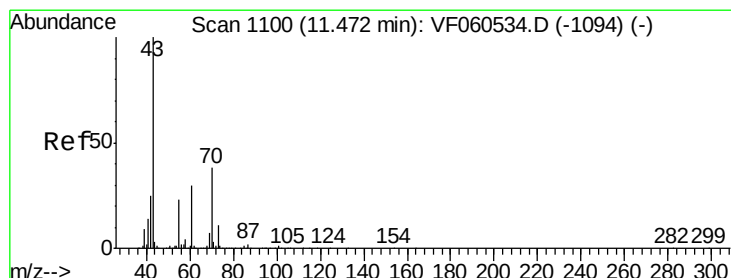
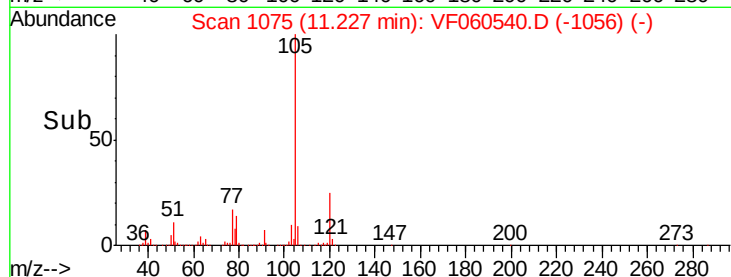
0

11.23

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 49.207 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion: 43 Resp: 175478

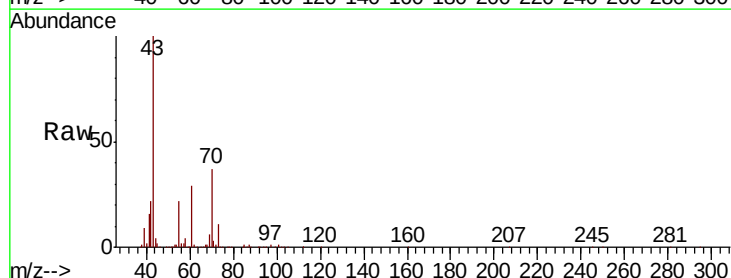
Ion Ratio Lower Upper

43 100

70 37.1 30.8 46.2

55 22.1 18.2 27.4

61 28.5 23.8 35.8



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

150000

100000

50000

0

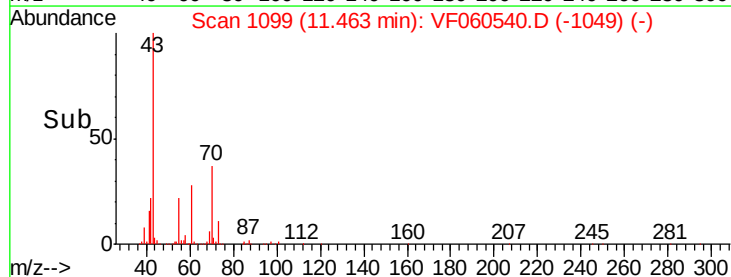
11.46

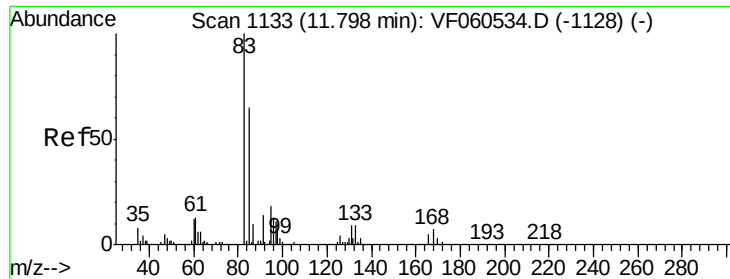
11.40

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.476 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

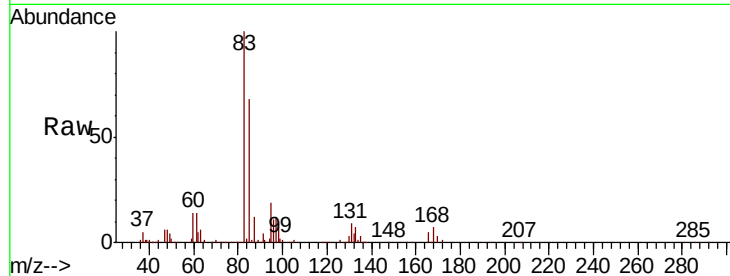
Tot Ion: 83 Resp: 135132

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

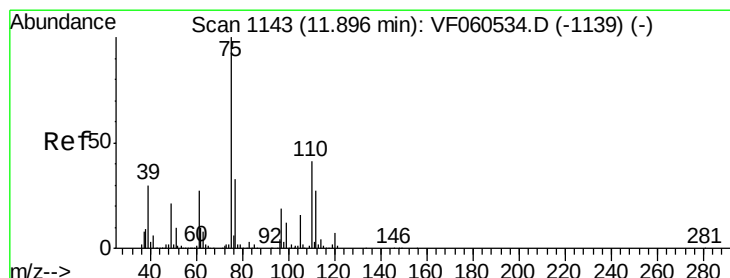
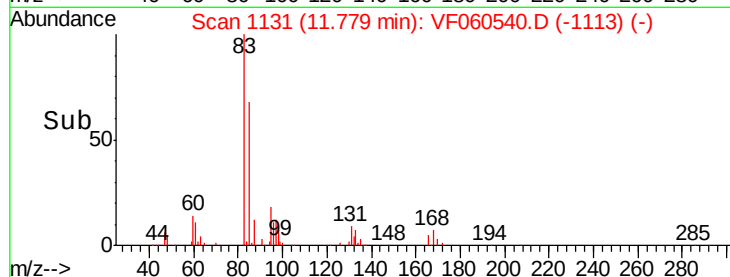
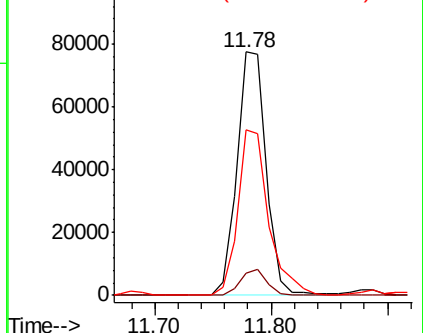
85 68.2 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 45.384 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060540.D

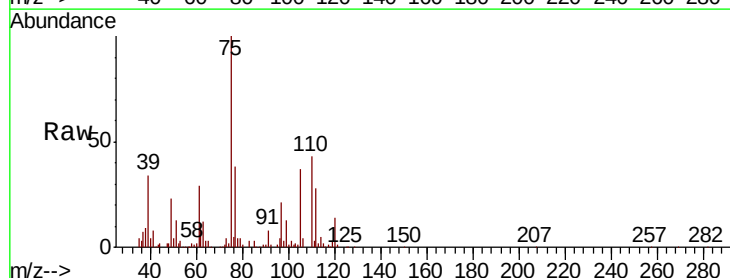
Acq: 30 Oct 2018 11:45

Tgt Ion: 75 Resp: 101446

Ion Ratio Lower Upper

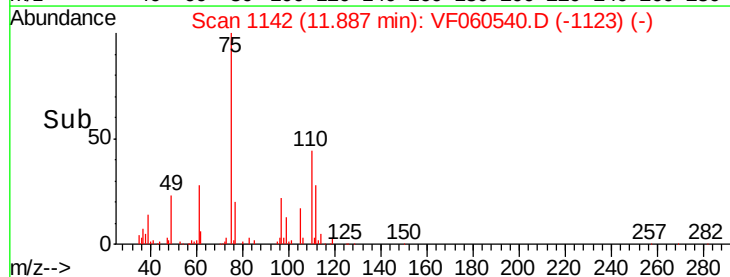
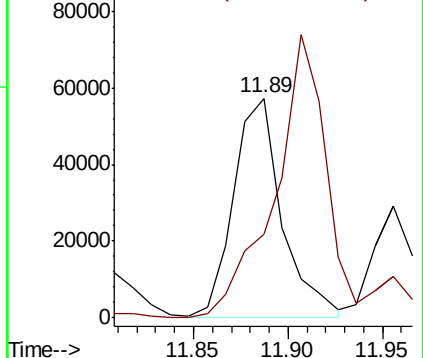
75 100

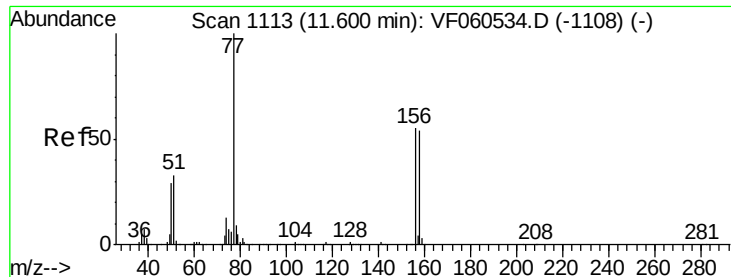
77 38.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.208 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

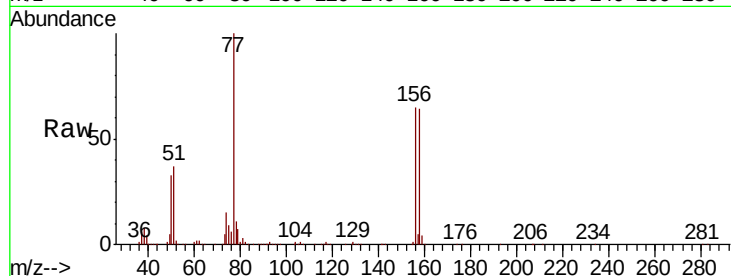
Tot Ion:156 Resp: 184960

Ion Ratio Lower Upper

156 100

77 155.0 91.3 274.1

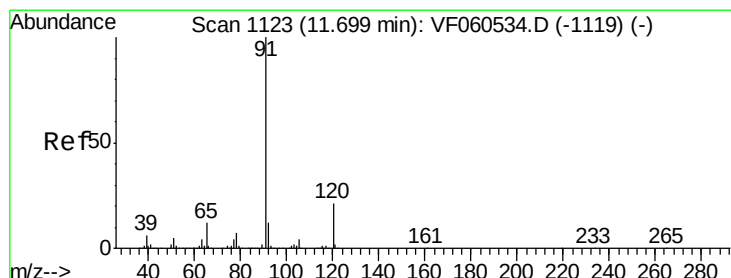
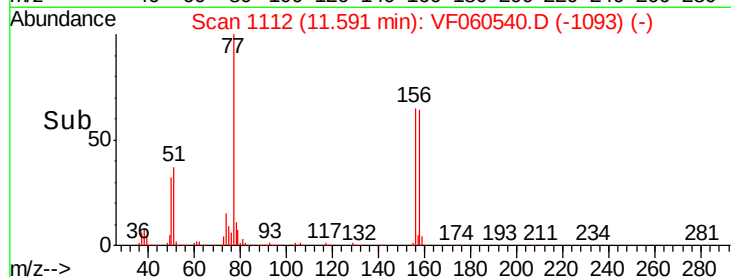
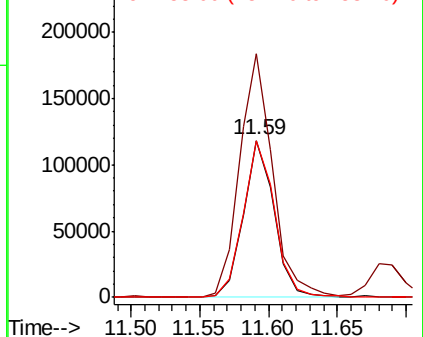
158 99.3 49.3 147.9



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: 48.872 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060540.D

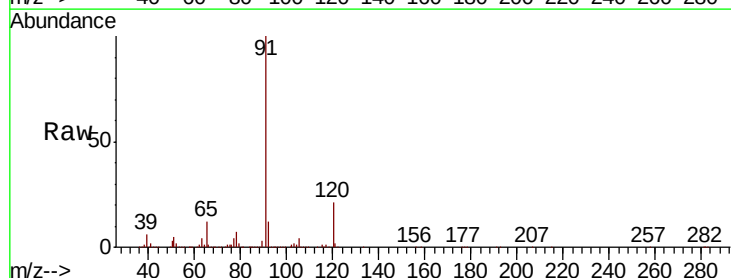
Acq: 30 Oct 2018 11:45

Tgt Ion: 91 Resp: 1032249

Ion Ratio Lower Upper

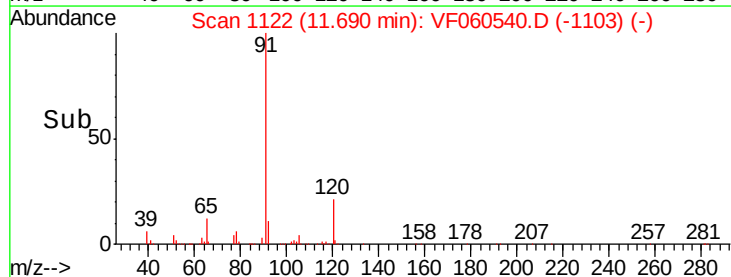
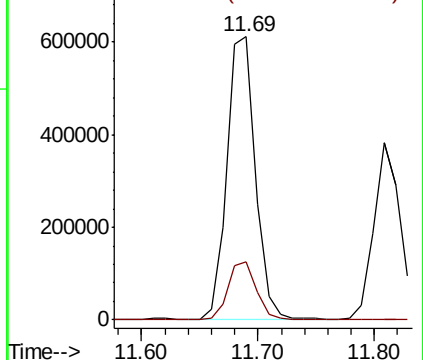
91 100

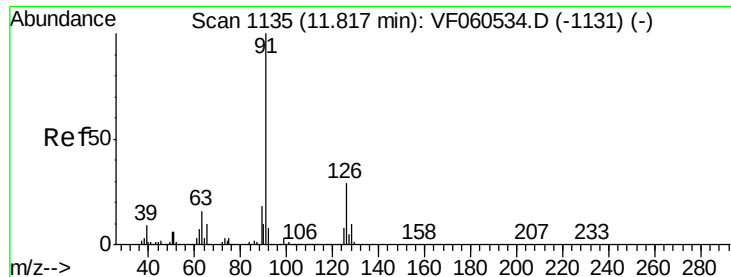
120 20.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.989 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

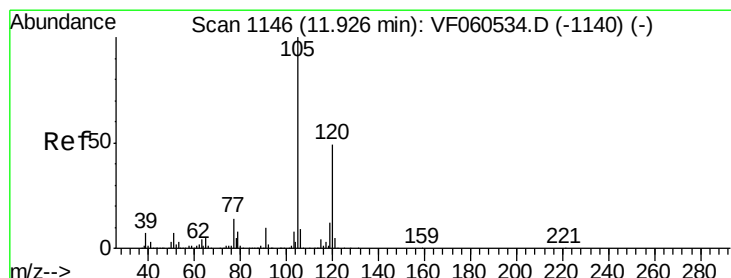
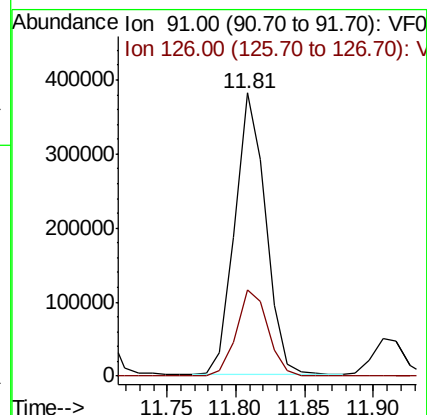
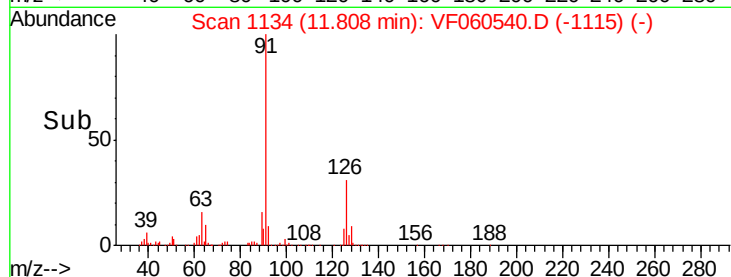
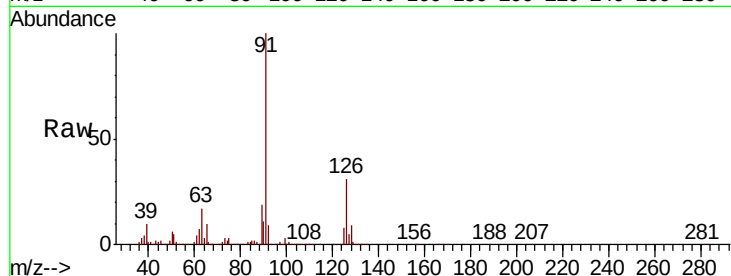
VSTDCCC050

Tot Ion: 91 Resp: 594026

Ion Ratio Lower Upper

91 100

126 30.7 14.2 42.8



#80

1,3,5-Trimethylbenzene

Concen: 46.431 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF060540.D

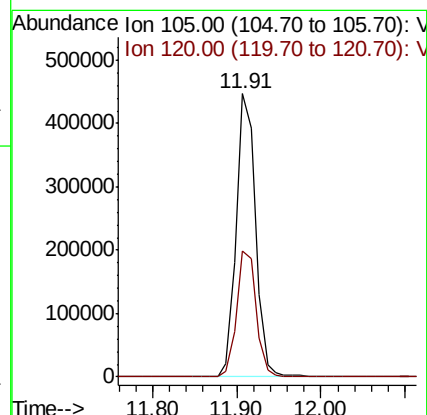
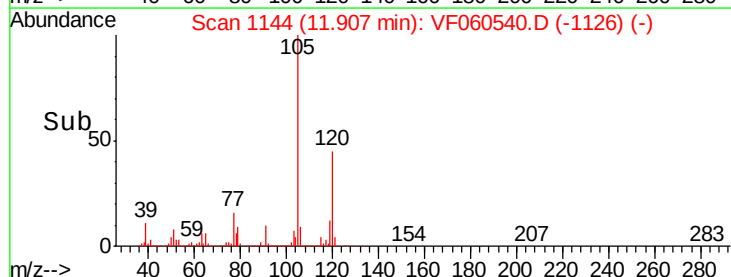
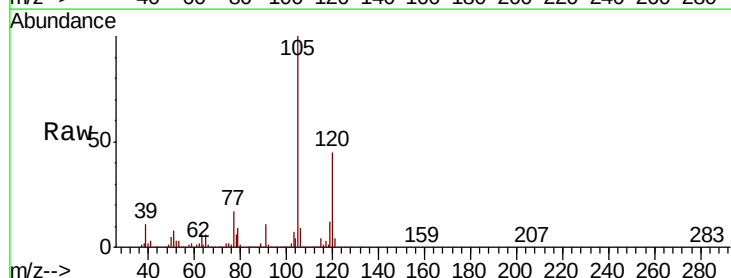
Acq: 30 Oct 2018 11:45

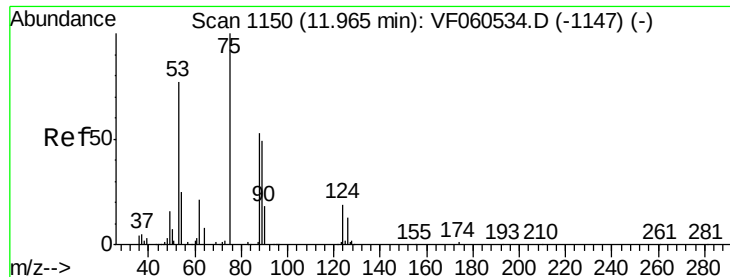
Tgt Ion:105 Resp: 714419

Ion Ratio Lower Upper

105 100

120 44.7 24.3 73.0

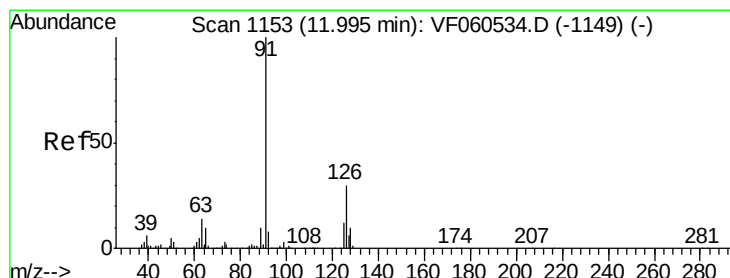
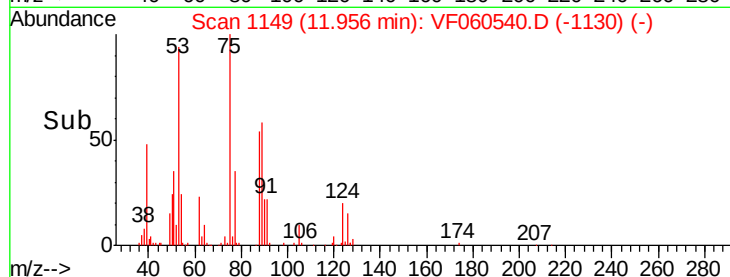
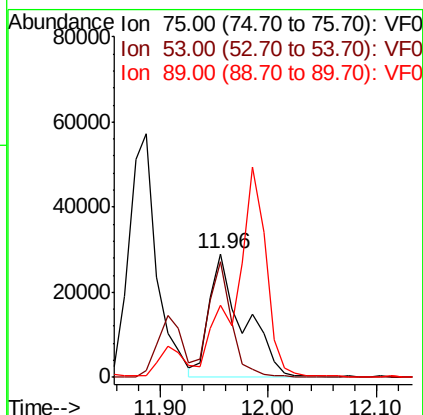
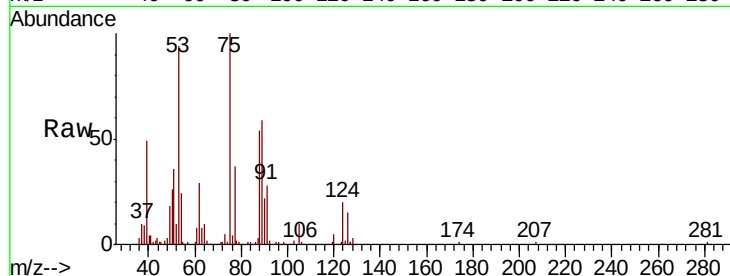




#81
trans-1,4-Dichloro-2-butene
Concen: 65.072 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

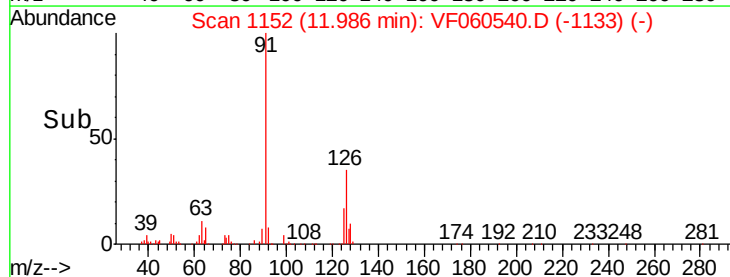
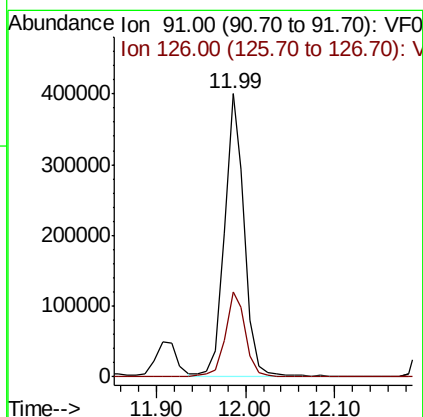
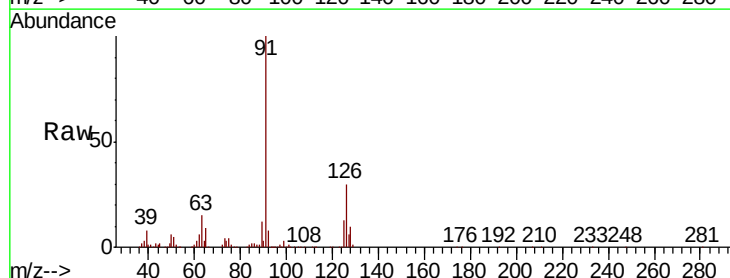
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

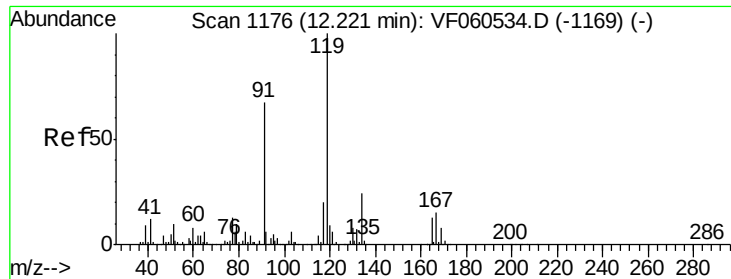
Tot Ion: 75 Resp: 63534
Ion Ratio Lower Upper
75 100
53 94.0 65.8 98.6
89 58.8 44.0 66.0



#82
4-Chlorotoluene
Concen: 47.473 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 91 Resp: 622231
Ion Ratio Lower Upper
91 100
126 30.1 15.1 45.3

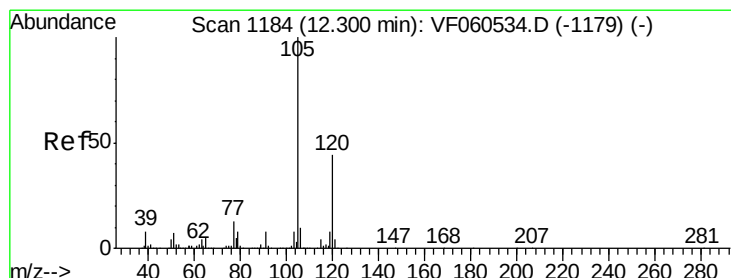
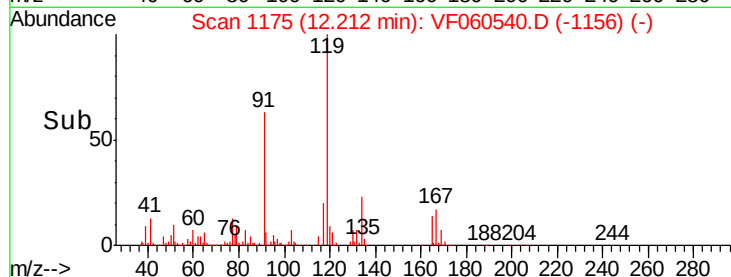
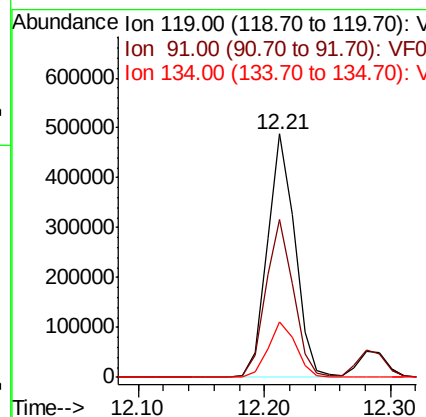
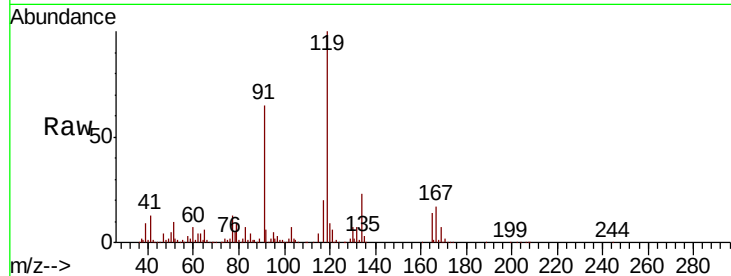




#83
 tert-Butylbenzene
 Concen: 50.068 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

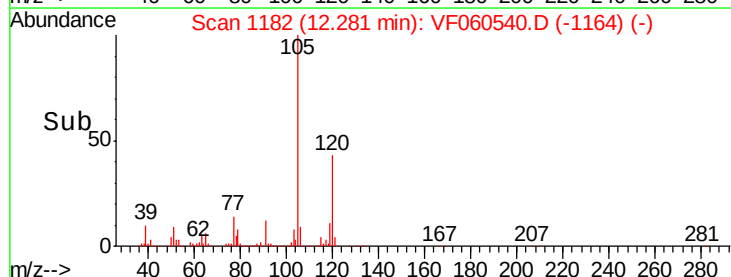
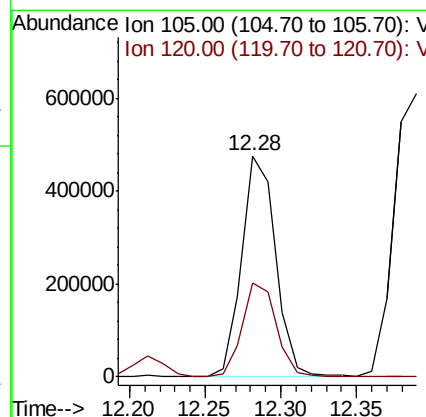
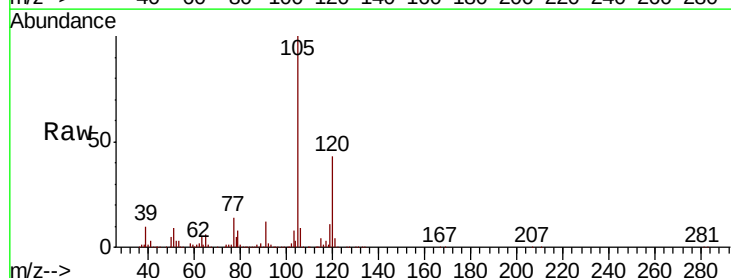
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

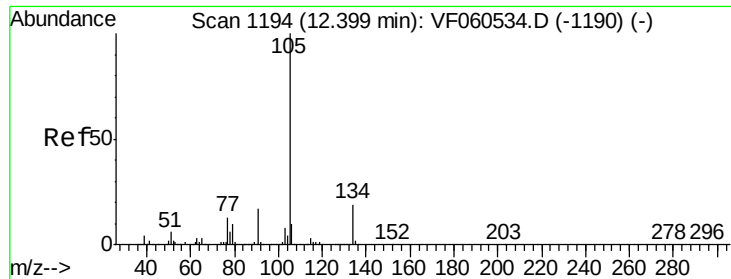
Tot Ion:119 Resp: 746552
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.6 100.8
 134 23.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.471 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion:105 Resp: 741936
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.0 66.0

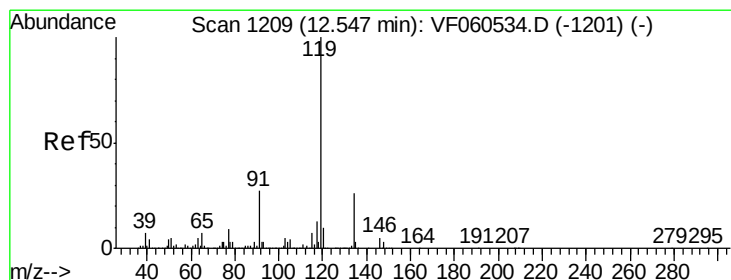
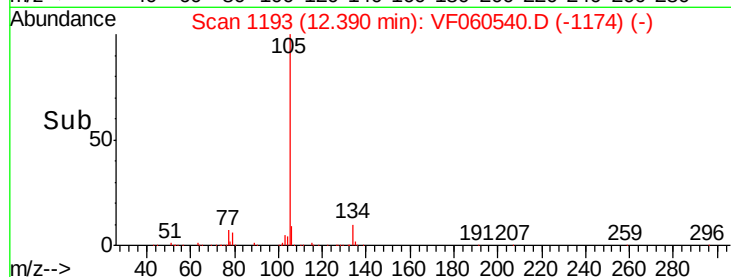
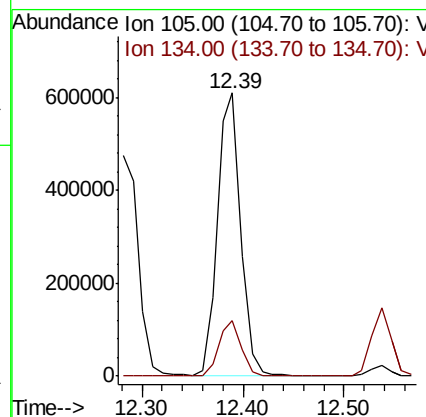
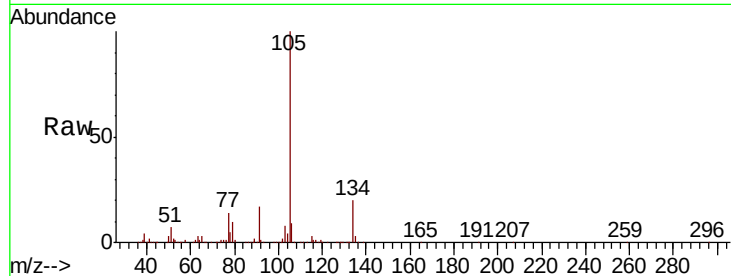




#85
 sec-Butylbenzene
 Concen: 46.984 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

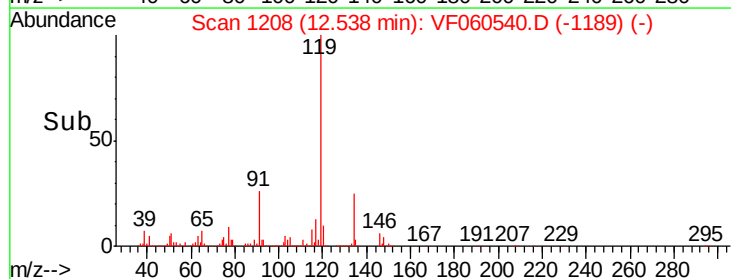
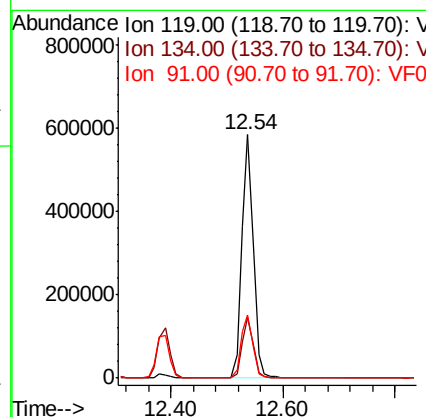
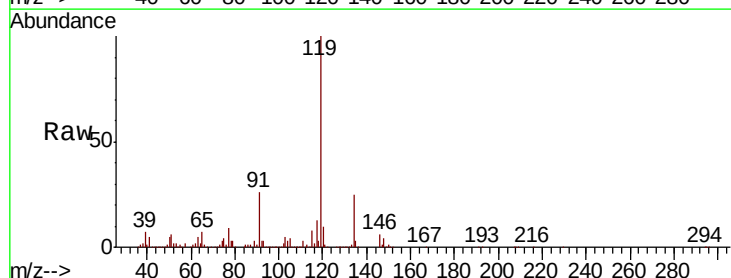
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

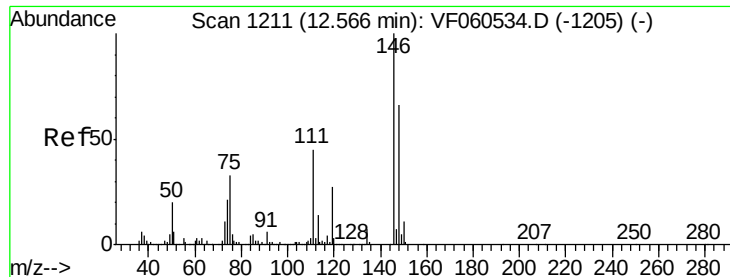
Tot Ion:105 Resp: 981806
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 47.605 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion:119 Resp: 816450
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.1 39.1
 91 25.9 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 46.469 ug/l

RT: 12.56 min Scan# 1210

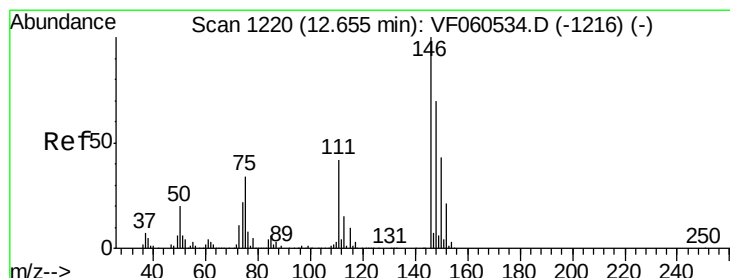
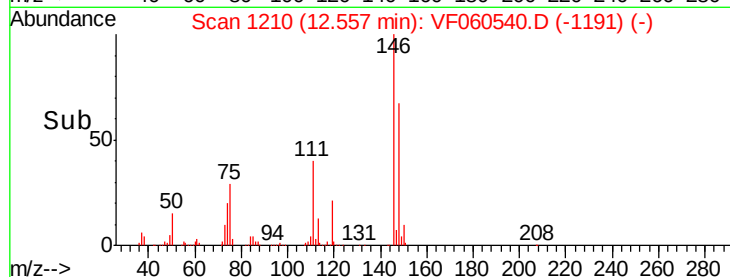
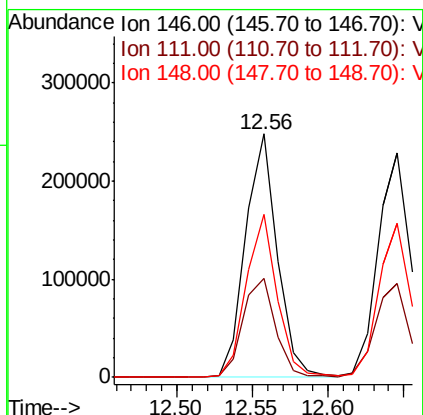
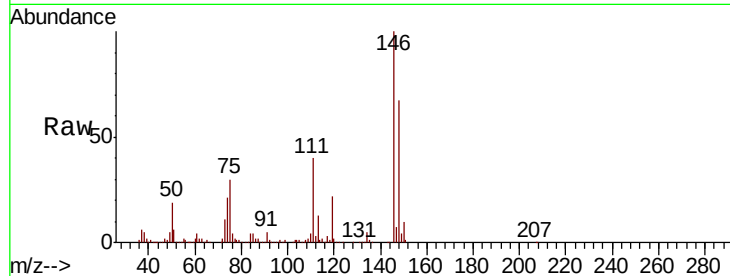
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	22.6	67.7
148	66.7	33.1	99.3



#88

1,4-Dichlorobenzene

Concen: 47.983 ug/l

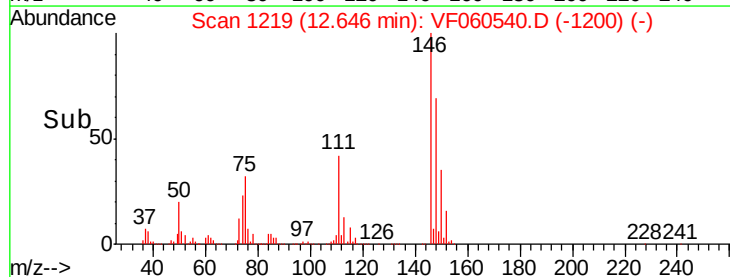
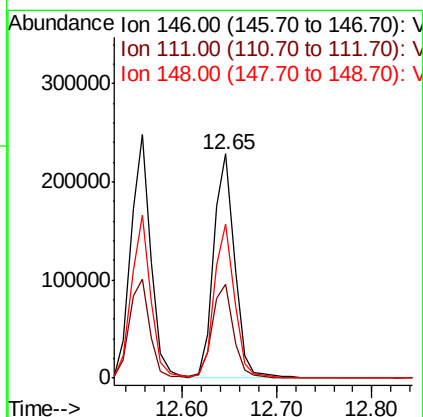
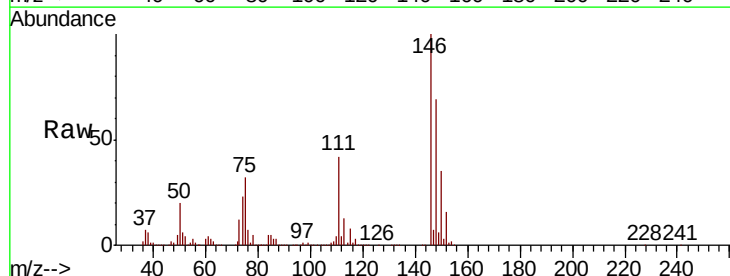
RT: 12.65 min Scan# 1219

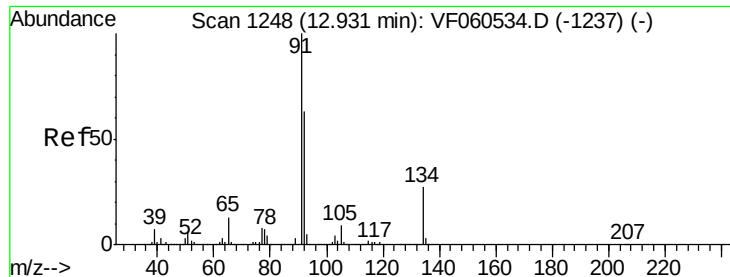
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	68.6	35.1	105.5

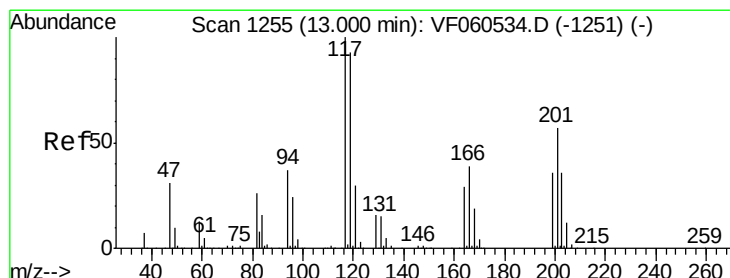
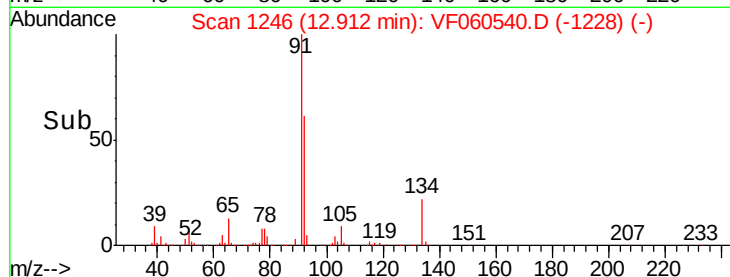
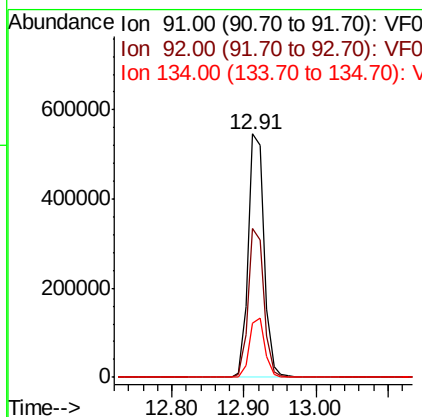
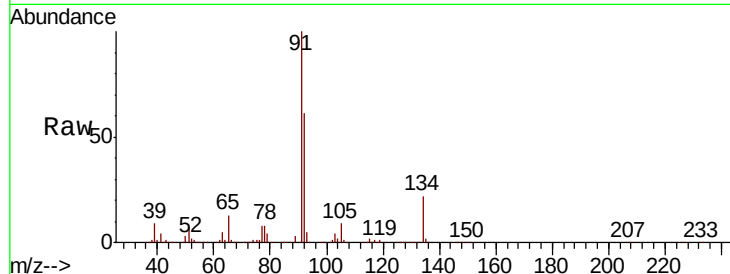




#89
n-Butylbenzene
Concen: 53.603 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

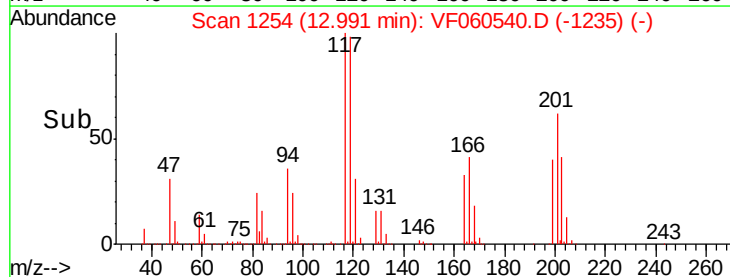
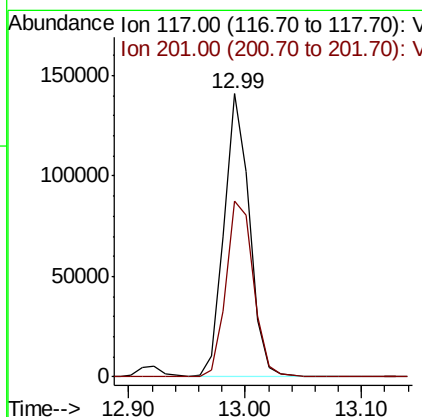
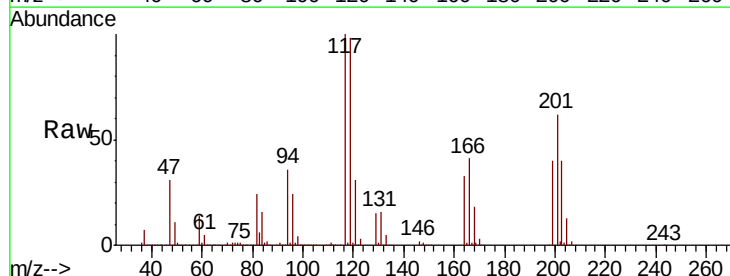
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

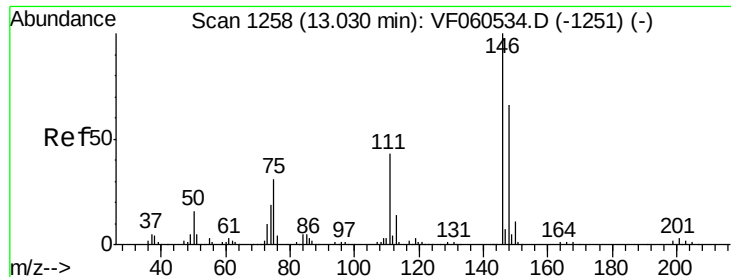
Tot Ion: 91 Resp: 844373
Ion Ratio Lower Upper
91 100
92 61.0 31.3 93.9
134 22.4 13.3 39.8



#90
Hexachloroethane
Concen: 48.106 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 117 Resp: 212953
Ion Ratio Lower Upper
117 100
201 62.1 28.2 84.7





#91

1,2-Dichlorobenzene

Concen: 47.019 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

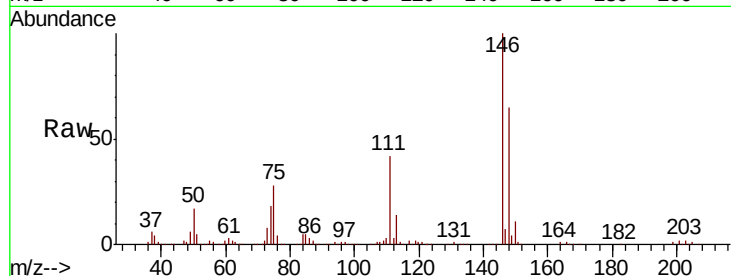
Tot Ion:146 Resp: 346440

Ion Ratio Lower Upper

146 100

111 41.6 21.5 64.5

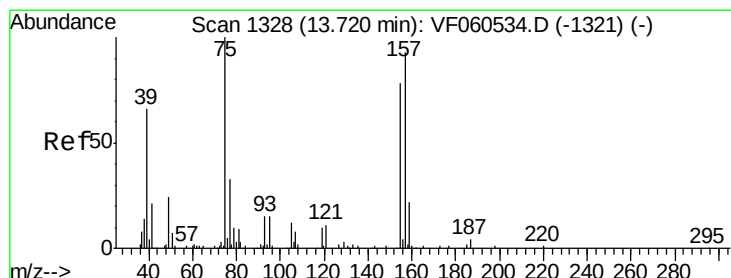
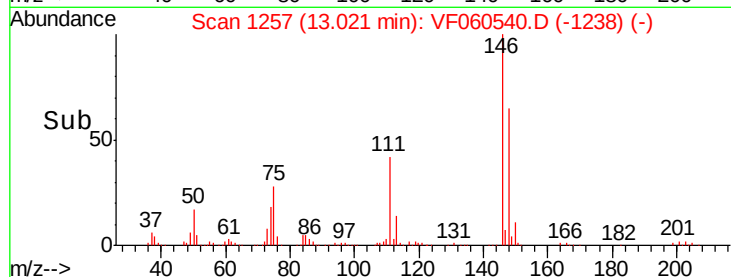
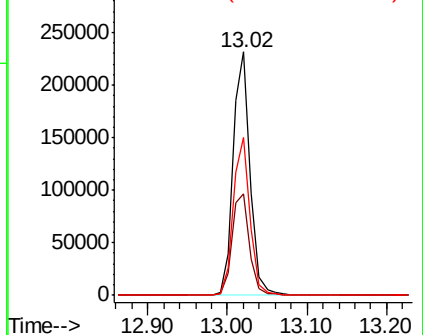
148 64.9 33.1 99.5



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: 42.813 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

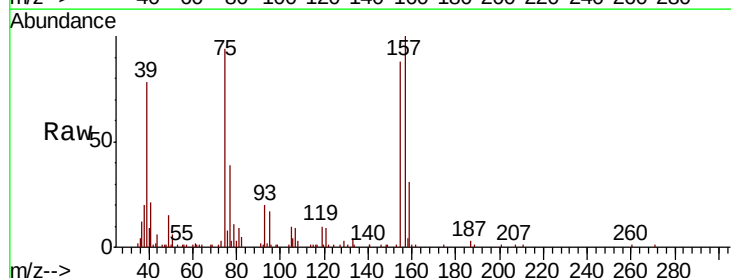
Tgt Ion: 75 Resp: 26378

Ion Ratio Lower Upper

75 100

155 93.5 40.8 122.5

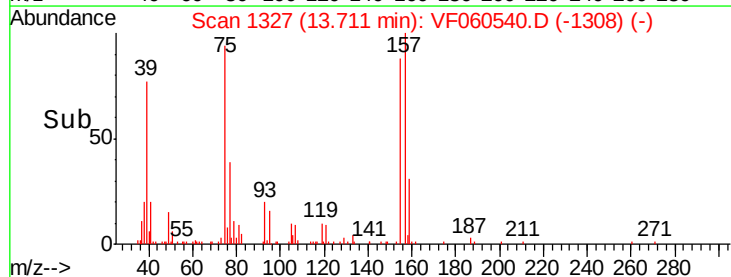
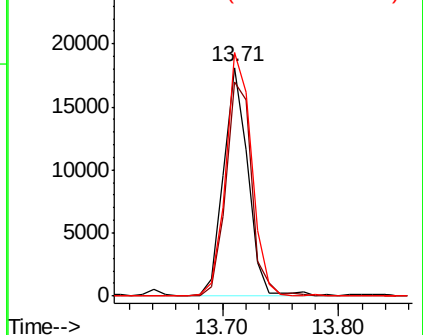
157 106.4 46.5 139.5

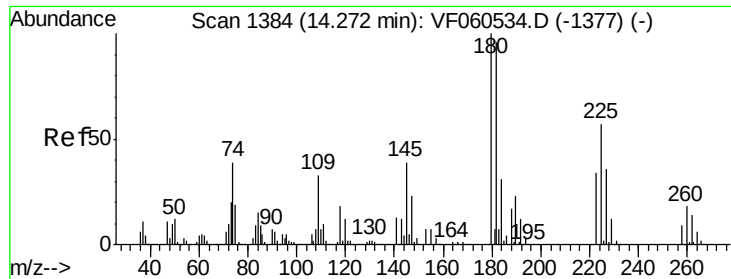


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

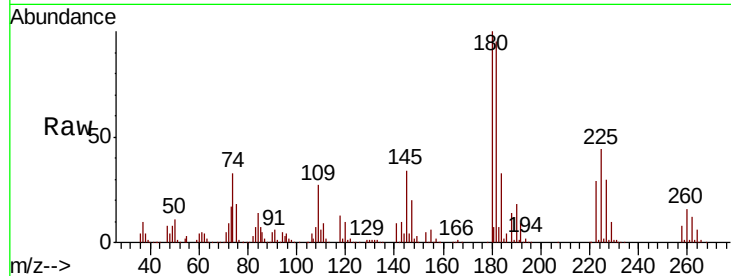




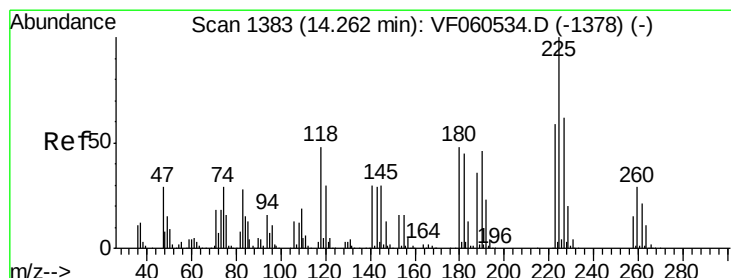
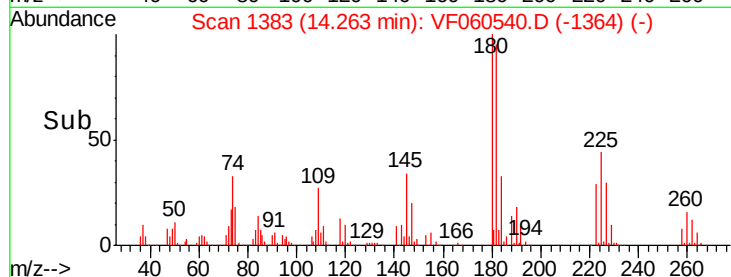
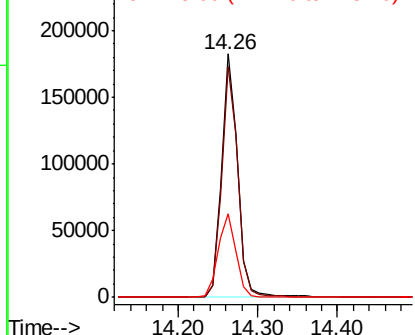
#93
 1,2,4-Trichlorobenzene
 Concen: 47.144 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 260187
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.1 144.3
 145 34.2 19.5 58.5

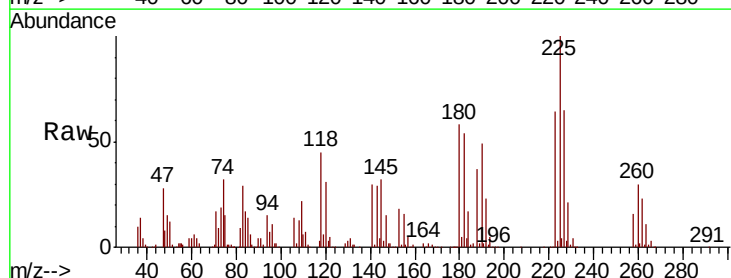


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

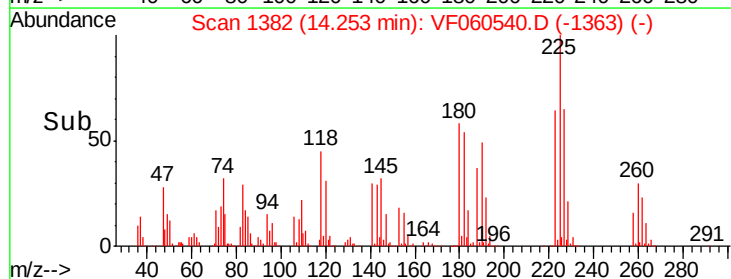
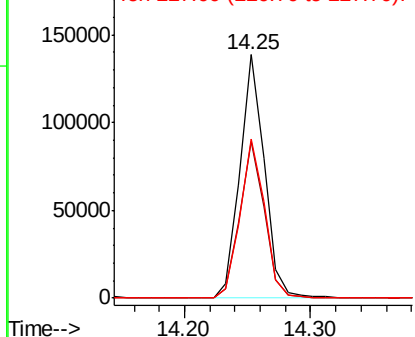


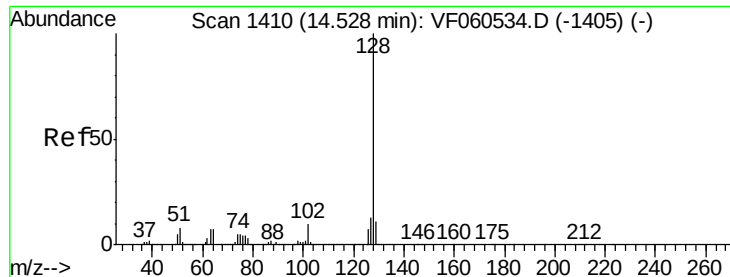
#94
 Hexachlorobutadiene
 Concen: 47.557 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion:225 Resp: 185834
 Ion Ratio Lower Upper
 225 100
 223 64.3 29.5 88.5
 227 65.4 31.3 93.8



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

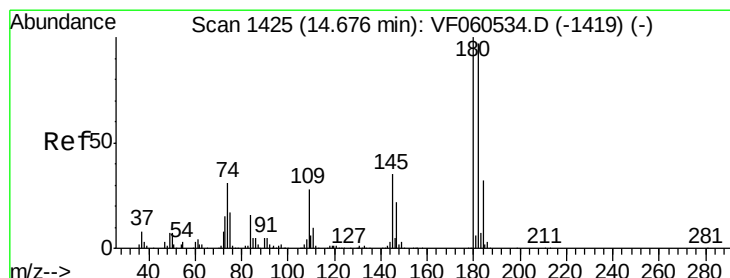
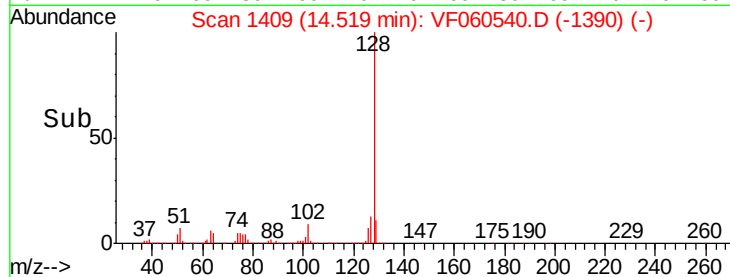
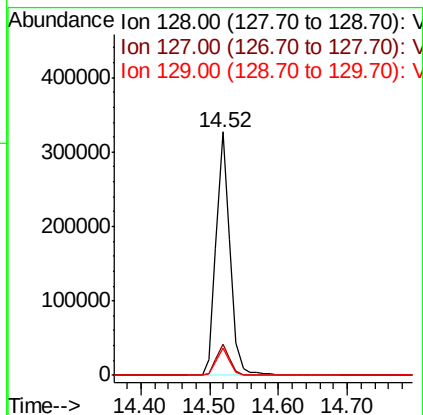
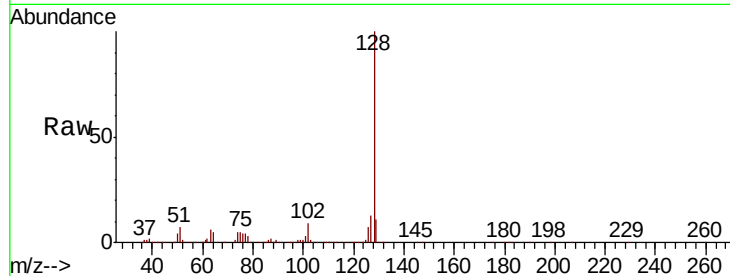




#95
Naphthalene
Concen: 47.009 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 458929
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 45.559 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion:180 Resp: 239328
Ion Ratio Lower Upper
180 100
182 94.3 48.7 146.1
145 30.6 17.3 52.0

