

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
 Data File : VF060202.D
 Acq On : 6 Sep 2018 14:06
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 07 02:00:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	142135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	200562	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	213872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	139640	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	249192	100.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.80%	
35) Dibromofluoromethane	4.30	113	197402	100.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.70%	
50) Toluene-d8	7.71	98	487614	100.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.20%	
62) 4-Bromofluorobenzene	11.51	95	275166	99.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	259844	99.810	ug/l	99
3) Chloromethane	1.07	50	139809	97.755	ug/l	99
4) Vinyl Chloride	1.12	62	115178	105.957	ug/l	98
5) Bromomethane	1.32	94	95456	97.485	ug/l	96
6) Chloroethane	1.40	64	75515	106.616	ug/l	100
7) Trichlorofluoromethane	1.49	101	304030	99.385	ug/l	97
8) Diethyl Ether	1.70	74	46114	101.168	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.86	101	151973	101.072	ug/l	98
10) Methyl Iodide	1.93	142	126564	96.157	ug/l #	94
11) Tert butyl alcohol	2.70	59	47040	429.120	ug/l	97
12) 1,1-Dichloroethene	1.83	96	100502	99.170	ug/l	91
13) Acrolein	2.10	56	25210	433.624	ug/l #	76
14) Allyl chloride	2.19	41	154830	101.827	ug/l	97
15) Acrylonitrile	3.08	53	84148	450.588	ug/l #	88
16) Acetone	2.35	43	220925	411.160	ug/l	100
17) Carbon Disulfide	1.84	76	319351	107.771	ug/l	99
18) Methyl Acetate	2.46	43	82065	94.422	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	339163	101.368	ug/l	97
20) Methylene Chloride	2.28	84	113500	70.063	ug/l	90
21) trans-1,2-Dichloroethene	2.41	96	110032	106.617	ug/l	92
22) Diisopropyl ether	2.93	45	379470	99.346	ug/l	97
23) Vinyl Acetate	3.33	43	870674	651.435	ug/l	99
24) 1,1-Dichloroethane	3.01	63	249160	100.334	ug/l	99
25) 2-Butanone	4.51	43	293365	428.815	ug/l	95
26) 2,2-Dichloropropane	3.75	77	359840	119.676	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	140910	105.311	ug/l	97
28) Bromochloromethane	3.89	49	76083	90.884	ug/l #	80
29) Tetrahydrofuran	4.26	42	98065	430.559	ug/l	98
30) Chloroform	4.04	83	377548	102.958	ug/l	98
31) Cyclohexane	3.85	56	168501	100.458	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	371781	102.160	ug/l	97
36) 1,1-Dichloropropene	4.45	75	242753	104.289	ug/l	98
37) Ethyl Acetate	4.30	43	111282	86.877	ug/l #	81
38) Carbon Tetrachloride	4.17	117	352856	108.404	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	205026	104.254	ug/l	98
40) Benzene	4.81	78	439836	106.228	ug/l	100
41) Methacrylonitrile	4.93	41	52547	86.461	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	312803	102.876	ug/l	100
43) Isopropyl Acetate	7.12	43	139390	101.546	ug/l #	97
44) Trichloroethene	5.67	130	161521	94.653	ug/l	95
45) 1,2-Dichloropropane	6.40	63	122277	103.258	ug/l #	87
46) Dibromomethane	6.25	93	113743	107.486	ug/l	94
47) Bromodichloromethane	6.54	83	307648	107.630	ug/l	95
48) Methyl methacrylate	6.87	41	112372	103.400	ug/l	95
49) 1,4-Dioxane	6.88	88	10135	413.021	ug/l	92
51) 4-Methyl-2-Pentanone	8.41	43	575219	471.631	ug/l	99
52) Toluene	7.78	92	311372	96.958	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	269413	112.955	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	281195	114.894	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	118273	97.973	ug/l	99
56) Ethyl methacrylate	8.76	69	143225	105.363	ug/l	97
57) 1,3-Dichloropropane	9.00	76	212643	100.050	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	72608	501.106	ug/l	100
59) 2-Hexanone	9.63	43	435111	473.712	ug/l	99
60) Dibromochloromethane	8.86	129	211068	106.087	ug/l	95
61) 1,2-Dibromoethane	9.14	107	149651	103.912	ug/l	93
64) Tetrachloroethene	8.30	164	209000	84.010	ug/l	100
65) Chlorobenzene	9.94	112	425054	96.435	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	192196	98.818	ug/l	98
67) Ethyl Benzene	10.03	91	806431	98.654	ug/l	97
68) m/p-Xylenes	10.27	106	527757	192.667	ug/l	97
69) o-Xylene	10.82	106	292230	99.410	ug/l	95
70) Styrene	10.90	104	433982	97.606	ug/l	97
71) Bromoform	10.88	173	122352	107.709	ug/l #	100
73) Isopropylbenzene	11.23	105	911903	94.696	ug/l	98
74) N-amyl acetate	11.46	43	203166	126.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	139449	96.415	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	133557	87.306	ug/l	84
77) Bromobenzene	11.59	156	236892	94.290	ug/l	85
78) n-propylbenzene	11.69	91	1056936	91.968	ug/l	94
79) 2-Chlorotoluene	11.81	91	647242	93.104	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	776227	91.541	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	36935	74.824	ug/l	91
82) 4-Chlorotoluene	11.99	91	702097	91.097	ug/l	98
83) tert-Butylbenzene	12.21	119	744728	96.938	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	818668	94.730	ug/l	99
85) sec-Butylbenzene	12.39	105	976963	92.602	ug/l	97
86) p-Isopropyltoluene	12.54	119	896844	95.017	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	422958	92.430	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	441003	97.644	ug/l	98
89) n-Butylbenzene	12.92	91	881263	96.842	ug/l	95
90) Hexachloroethane	12.99	117	201642	105.013	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	404116	92.553	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	41854	113.483	ug/l	82

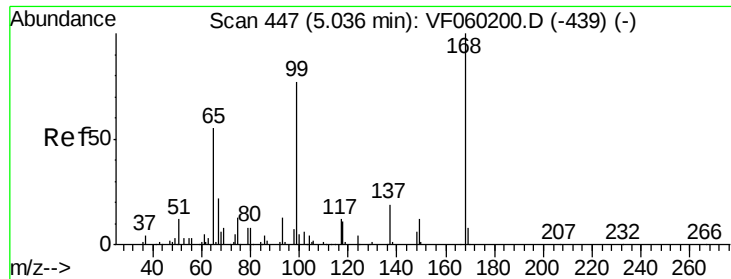
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	328672	97.618	ug/l	98
94) Hexachlorobutadiene	14.25	225	233162	96.788	ug/l	99
95) Naphthalene	14.52	128	542338	115.233	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	322734	102.384	ug/l	97

(#) = 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: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

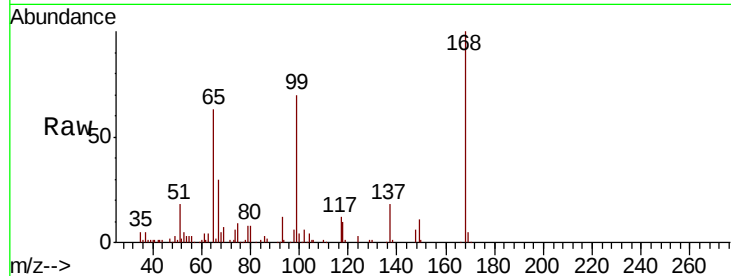
VSTDIC100

Tgt Ion:168 Resp: 142135

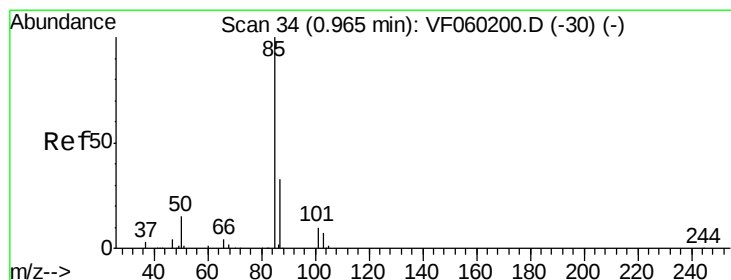
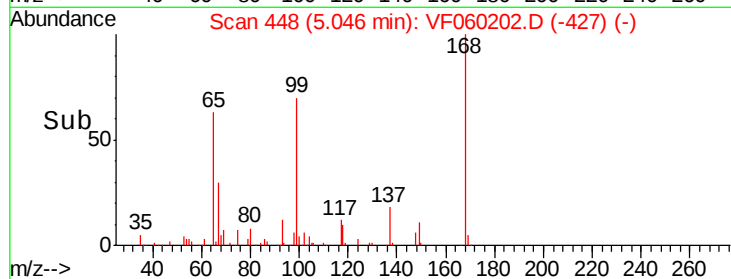
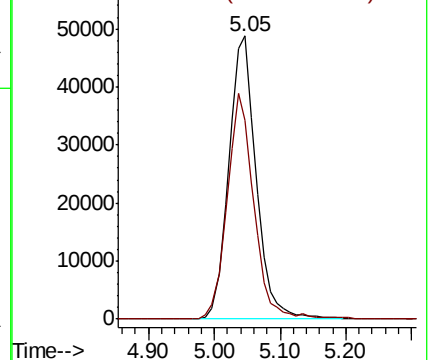
Ion Ratio Lower Upper

168 100

99 70.4 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 99.810 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF060202.D

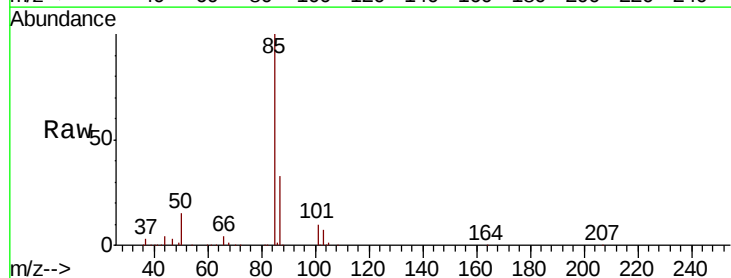
Acq: 6 Sep 2018 14:06

Tgt Ion: 85 Resp: 259844

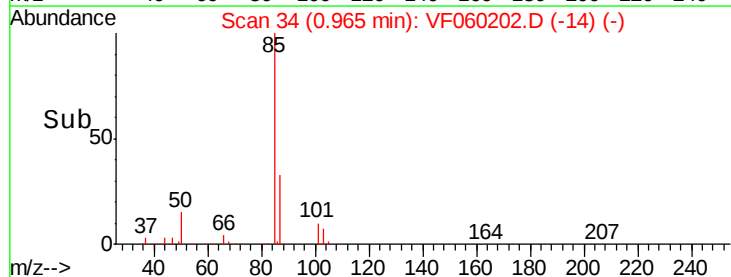
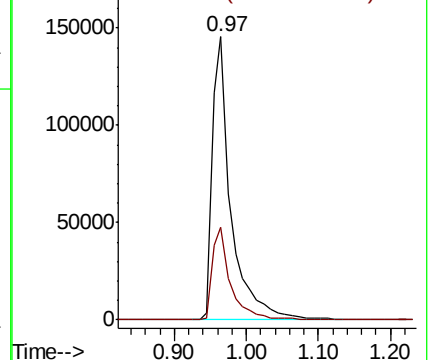
Ion Ratio Lower Upper

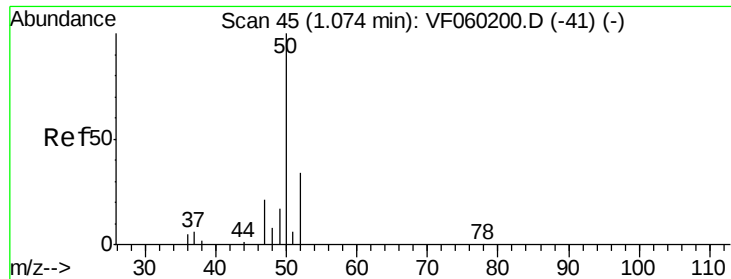
85 100

87 32.9 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 97.755 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

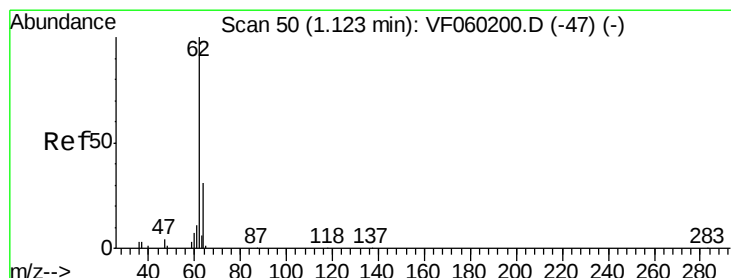
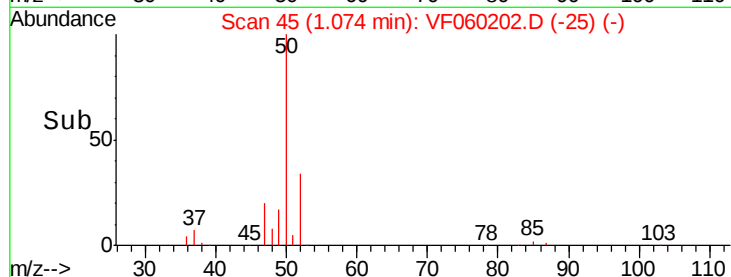
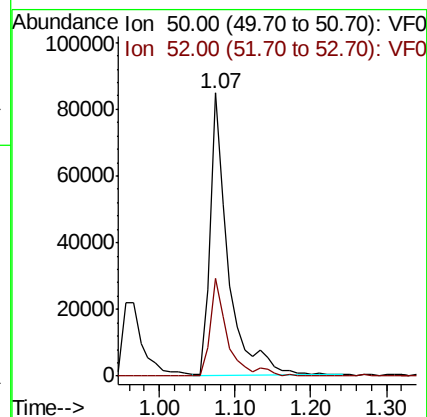
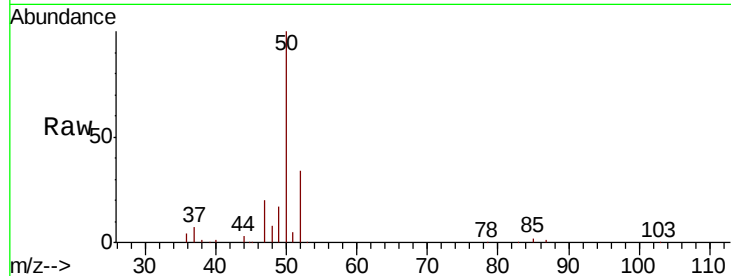
VSTDIC100

Tgt Ion: 50 Resp: 139809

Ion Ratio Lower Upper

50 100

52 34.4 26.9 40.3



#4

Vinyl Chloride

Concen: 105.957 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060202.D

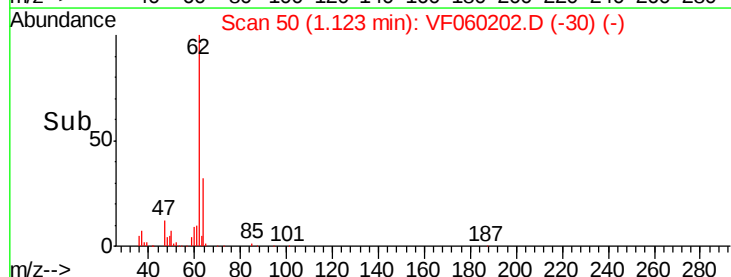
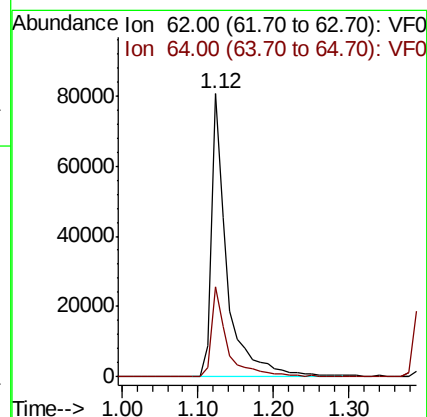
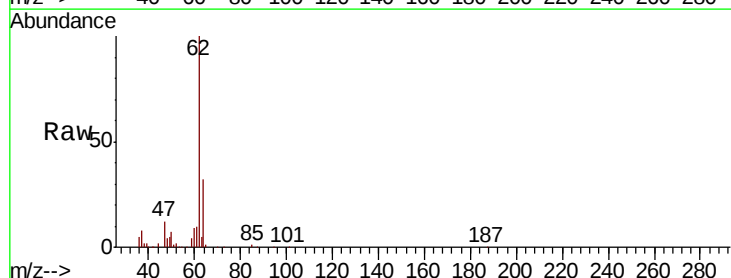
Acq: 6 Sep 2018 14:06

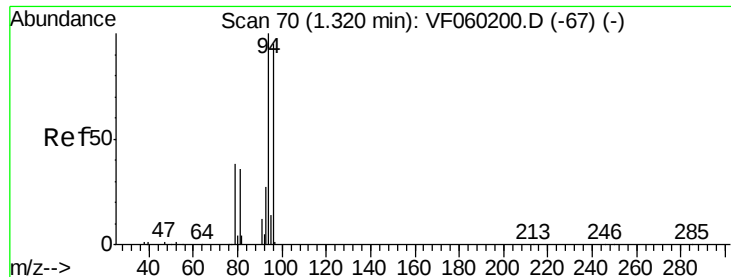
Tgt Ion: 62 Resp: 115178

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 97.485 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

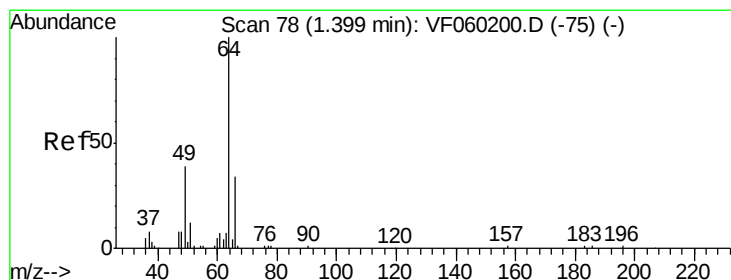
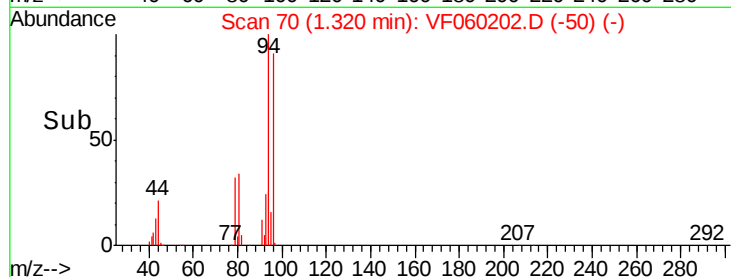
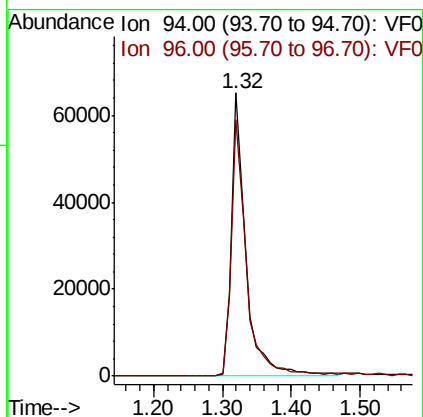
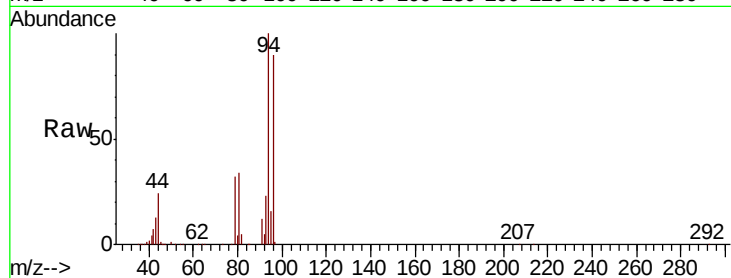
VSTDIC100

Tgt Ion: 94 Resp: 95456

Ion Ratio Lower Upper

94 100

96 90.5 75.8 113.6



#6

Chloroethane

Concen: 106.616 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060202.D

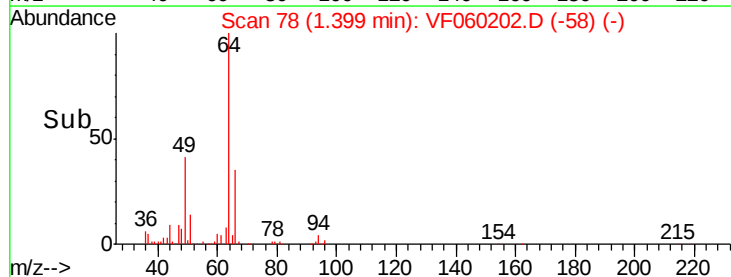
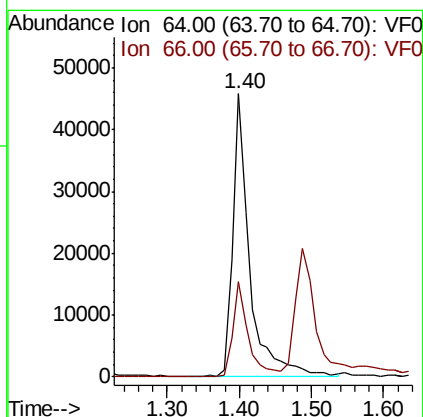
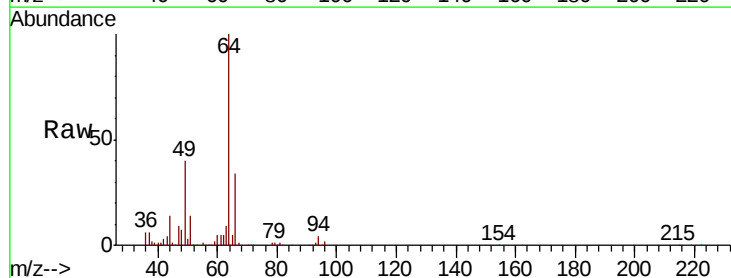
Acq: 6 Sep 2018 14:06

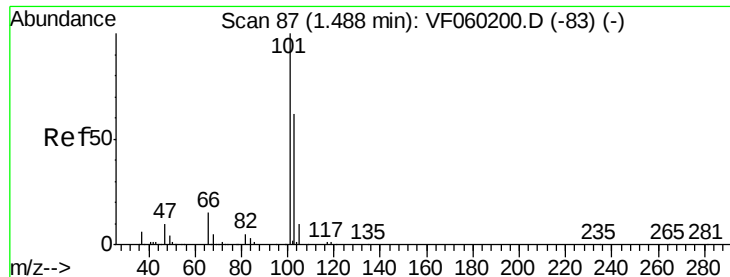
Tgt Ion: 64 Resp: 75515

Ion Ratio Lower Upper

64 100

66 33.8 27.1 40.7





#7

Trichlorofluoromethane

Concen: 99.385 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

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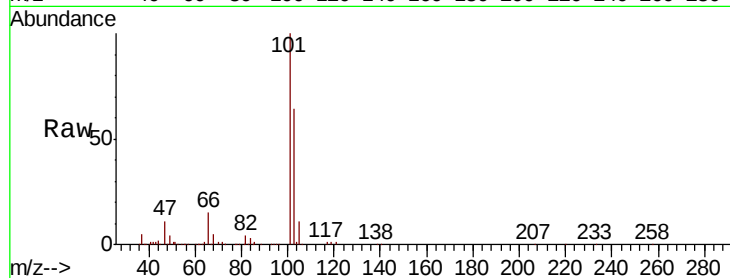
VSTDIC100

Tgt Ion: 101 Resp: 304030

Ion Ratio Lower Upper

101 100

103 64.1 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

100000

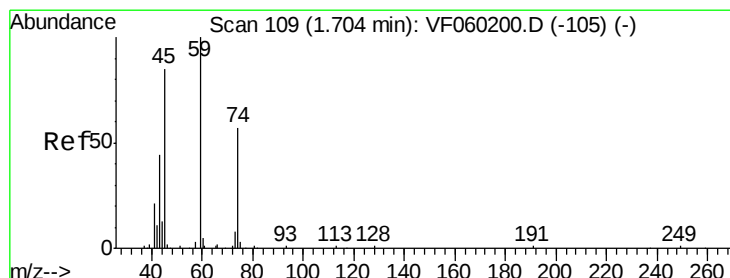
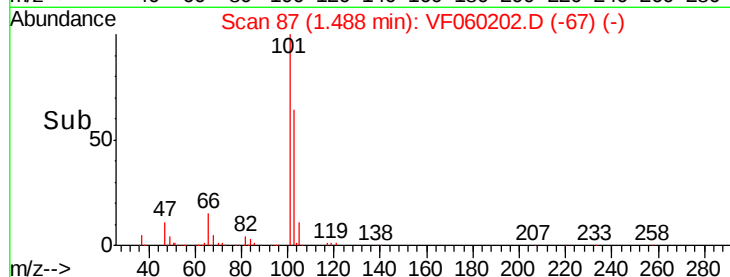
50000

0

1.49

1.40 1.50 1.60 1.70

Time-->



#8

Diethyl Ether

Concen: 101.168 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060202.D

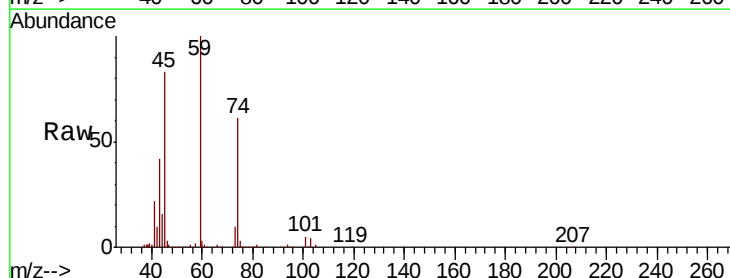
Acq: 6 Sep 2018 14:06

Tgt Ion: 74 Resp: 46114

Ion Ratio Lower Upper

74 100

45 136.0 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

40000

30000

20000

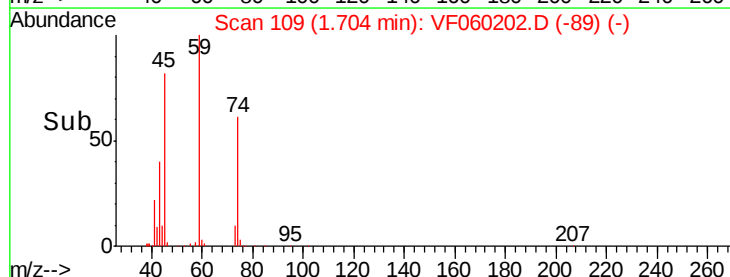
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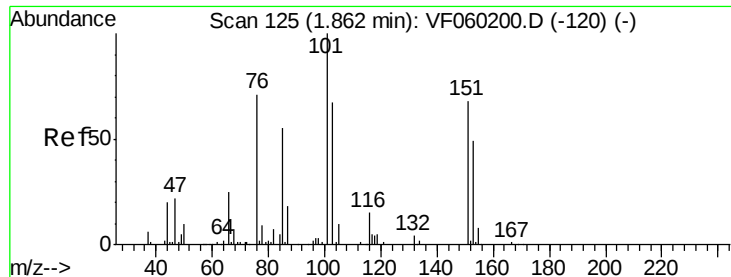
0

1.70

1.65 1.70 1.75 1.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.072 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

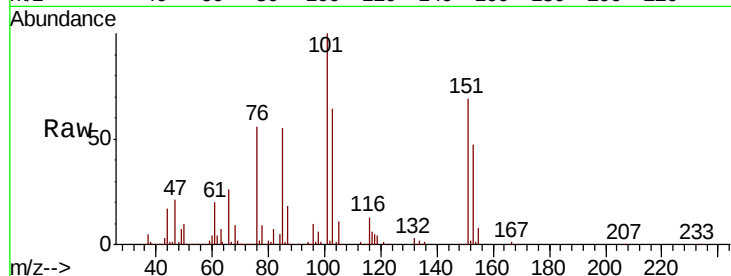
Tgt Ion:101 Resp: 151973

Ion Ratio Lower Upper

101 100

85 54.6 43.0 64.4

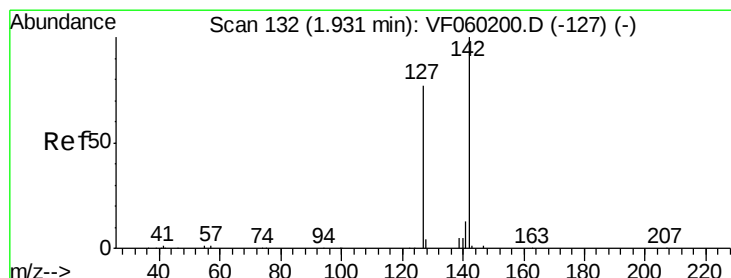
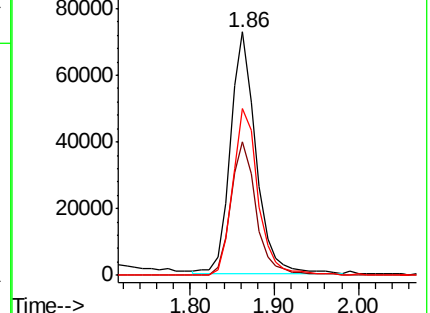
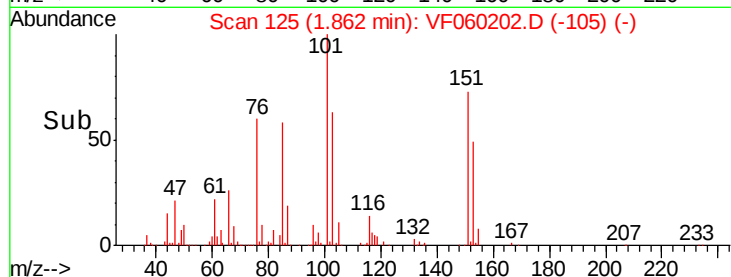
151 68.6 53.6 80.4



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: 96.157 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

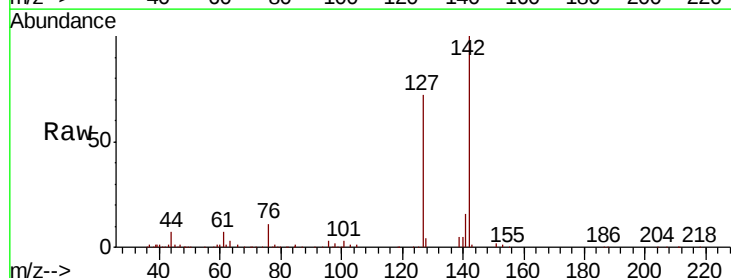
Tgt Ion:142 Resp: 126564

Ion Ratio Lower Upper

142 100

127 71.7 61.1 91.7

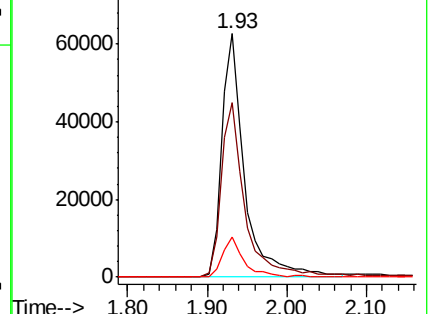
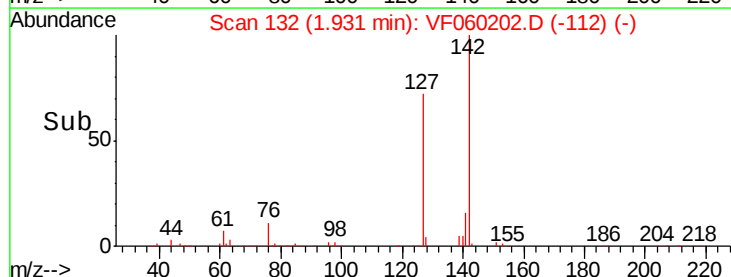
141 16.4 10.6 15.8#

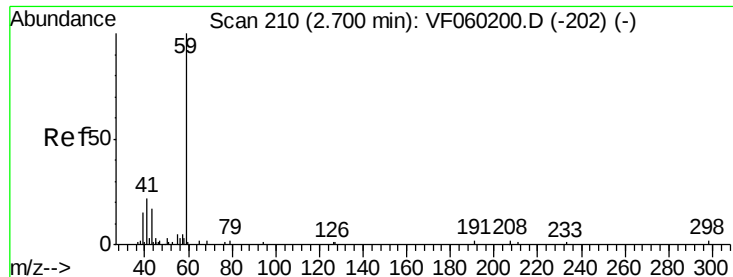


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

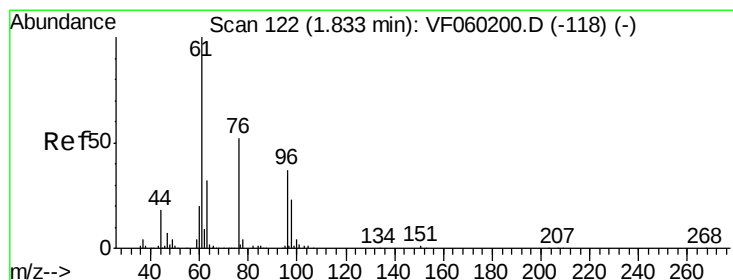
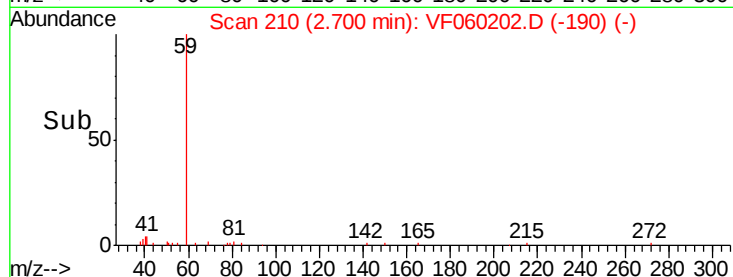
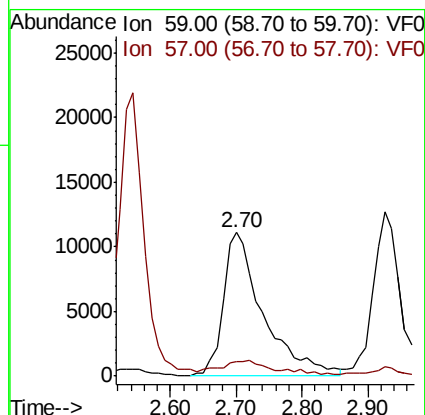
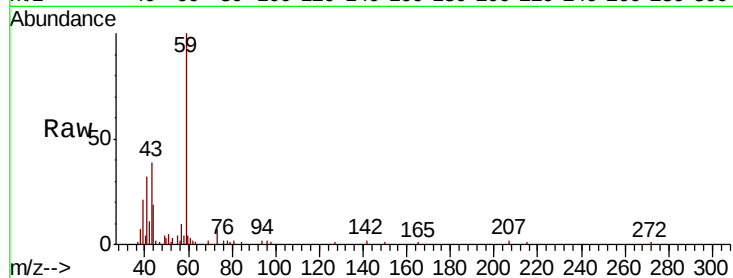




#11
Tert butyl alcohol
Concen: 429.120 ug/l
RT: 2.70 min Scan# 210
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

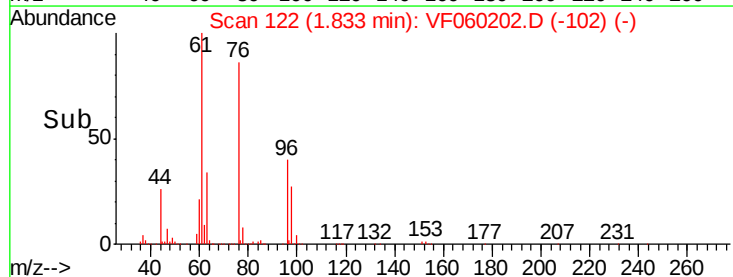
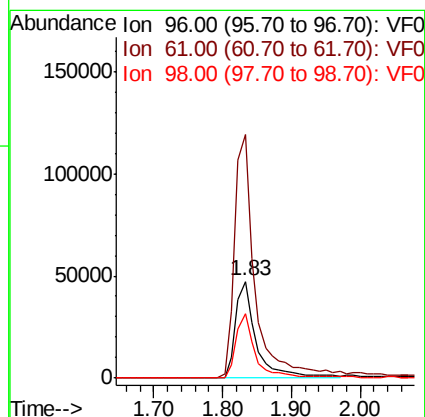
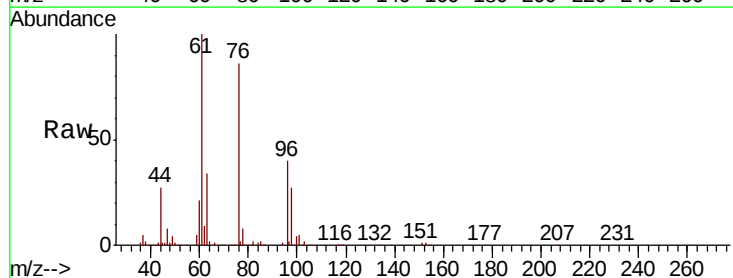
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

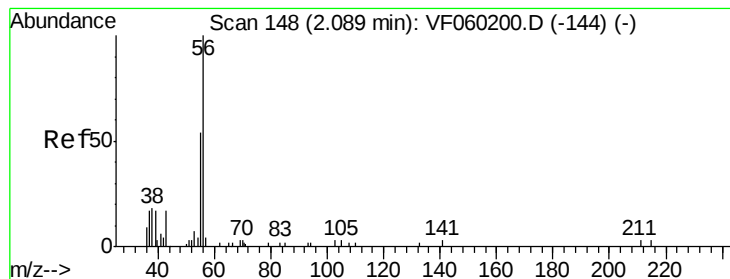
Tgt Ion: 59 Resp: 47040
Ion Ratio Lower Upper
59 100
57 10.2 7.2 10.8



#12
1,1-Dichloroethene
Concen: 99.170 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 96 Resp: 100502
Ion Ratio Lower Upper
96 100
61 250.9 214.6 321.8
98 66.9 50.7 76.1





#13

Acrolein

Concen: 433.624 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

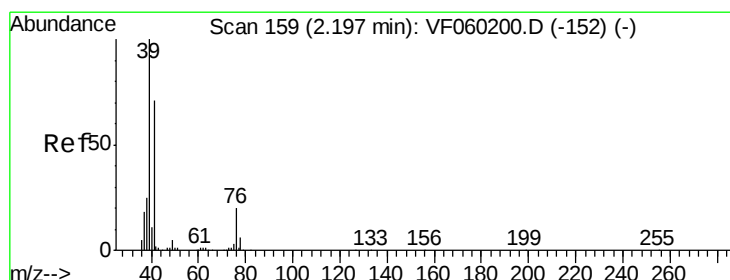
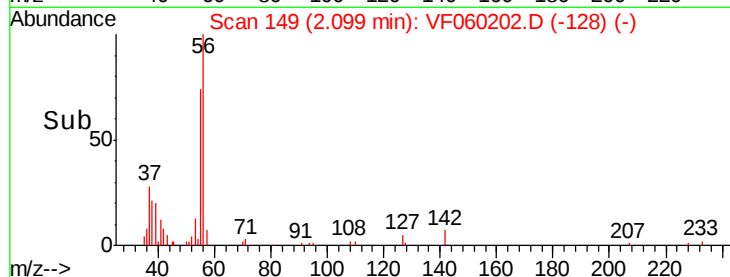
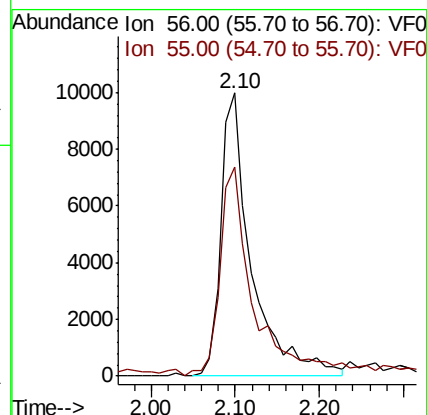
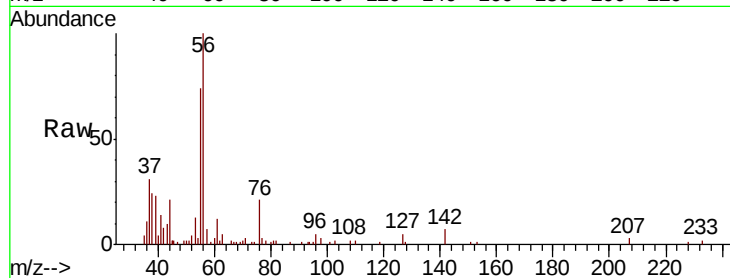
VSTDIC100

Tgt Ion: 56 Resp: 25210

Ion Ratio Lower Upper

56 100

55 74.0 45.1 67.7#



#14

Allyl chloride

Concen: 101.827 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

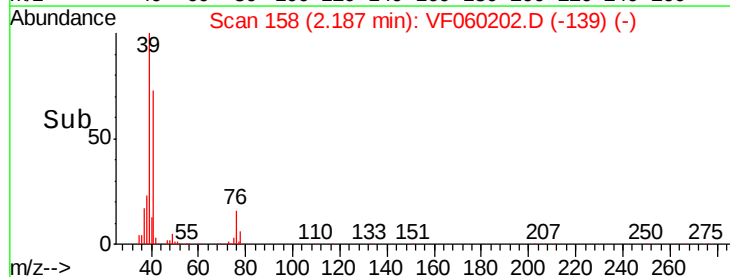
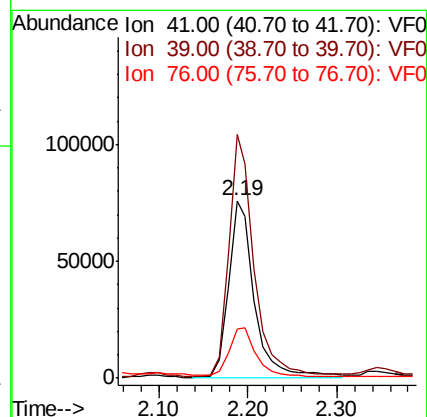
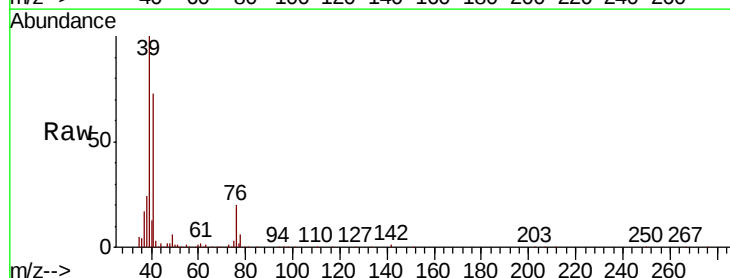
Tgt Ion: 41 Resp: 154830

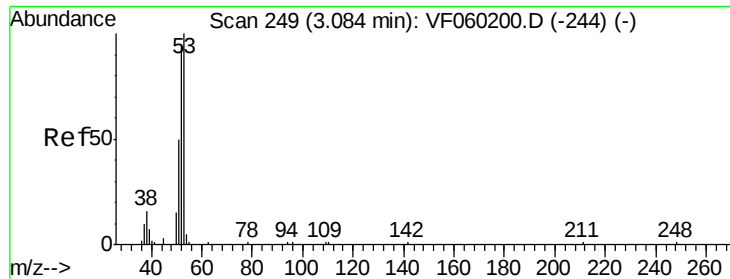
Ion Ratio Lower Upper

41 100

39 137.1 112.2 168.2

76 27.8 23.2 34.8





#15

Acrylonitrile

Concen: 450.588 ug/l

RT: 3.08 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

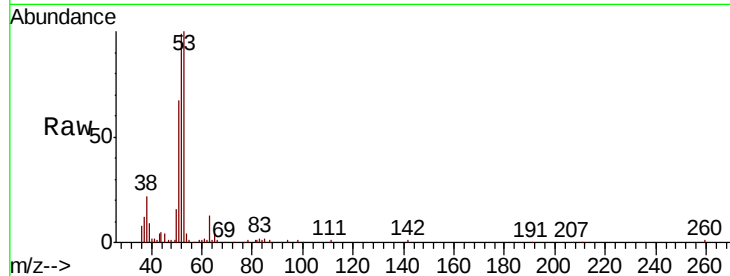
Tgt Ion: 53 Resp: 84148

Ion Ratio Lower Upper

53 100

52 99.0 75.0 112.6

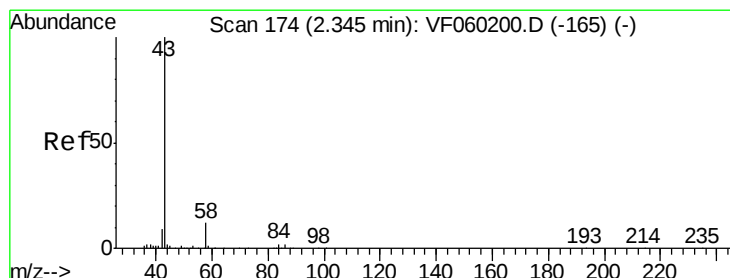
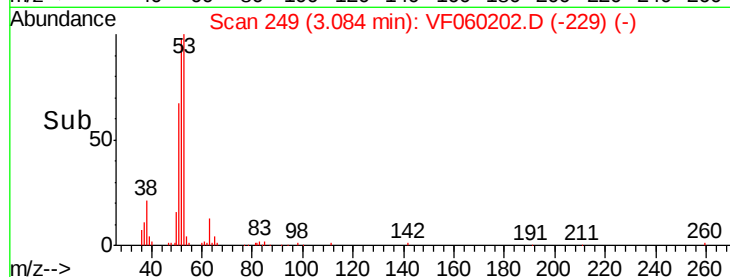
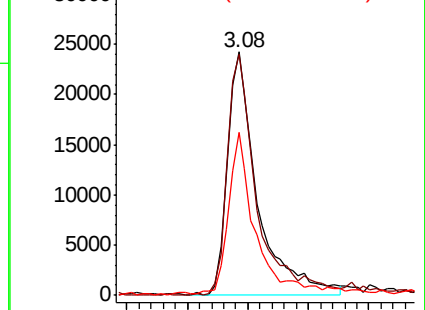
51 67.0 39.9 59.9#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 411.160 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060202.D

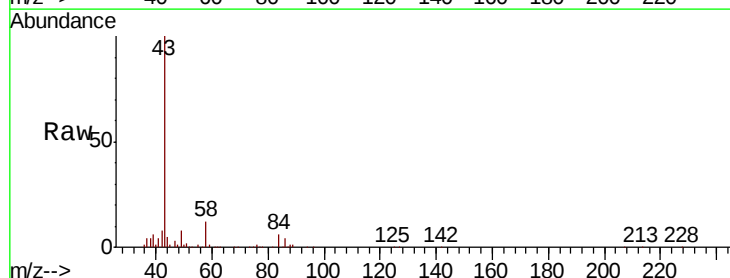
Acq: 6 Sep 2018 14:06

Tgt Ion: 43 Resp: 220925

Ion Ratio Lower Upper

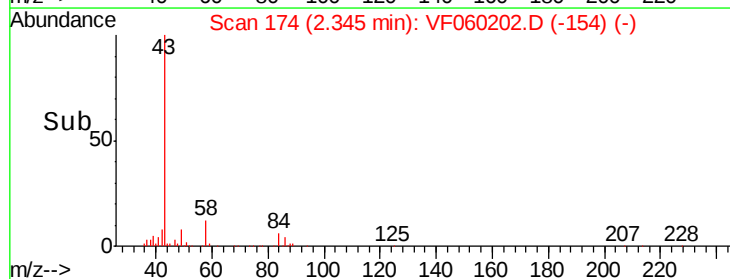
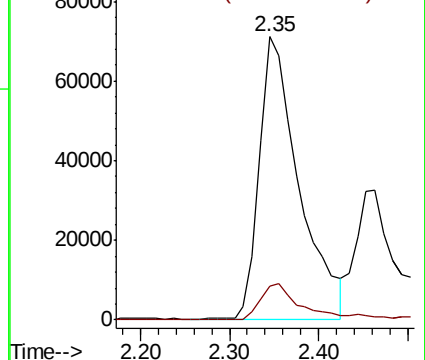
43 100

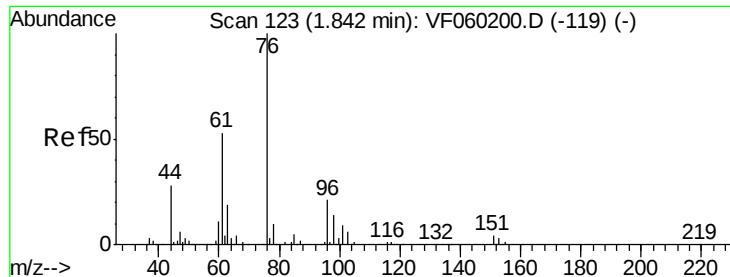
58 12.1 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

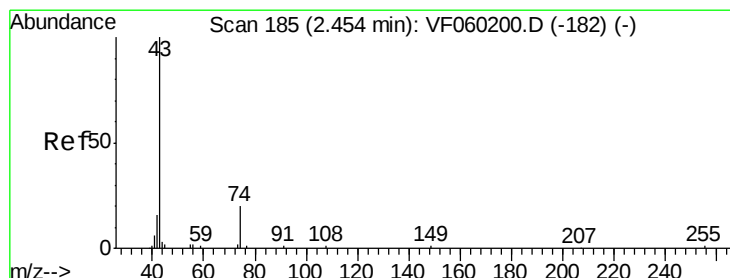
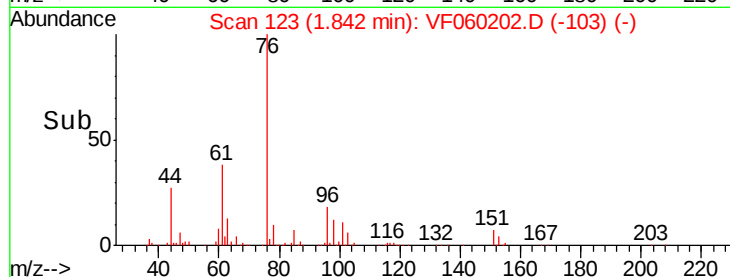
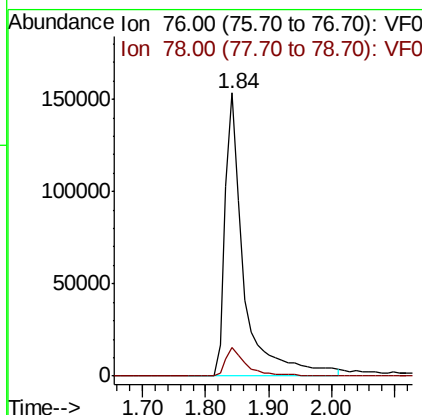
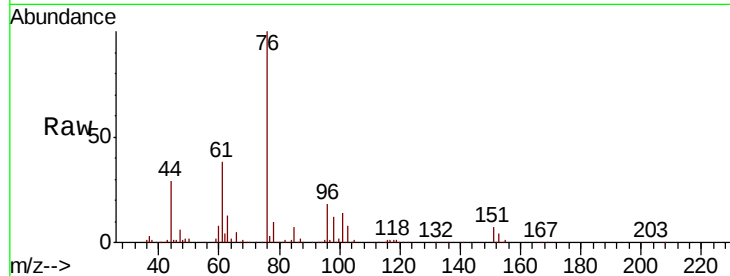




#17
Carbon Disulfide
Concen: 107.771 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

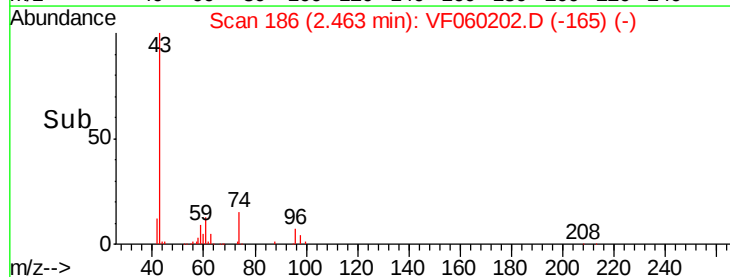
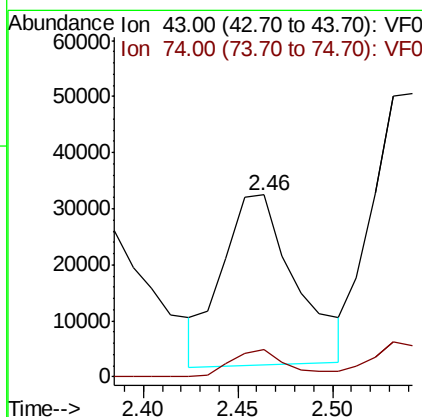
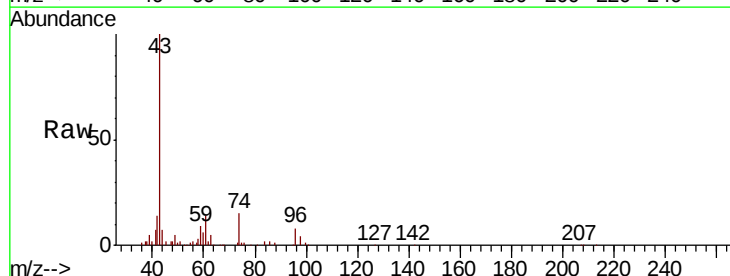
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

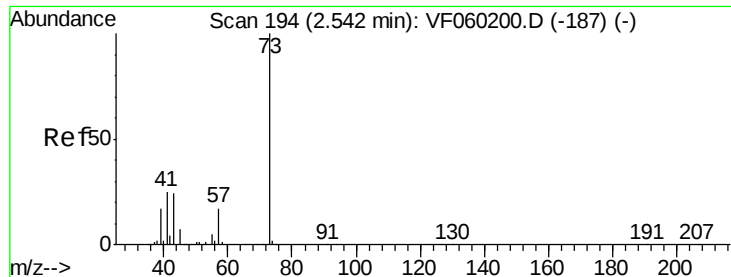
Tgt Ion: 76 Resp: 319351
Ion Ratio Lower Upper
76 100
78 10.2 8.5 12.7



#18
Methyl Acetate
Concen: 94.422 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 43 Resp: 82065
Ion Ratio Lower Upper
43 100
74 14.9 11.9 17.9



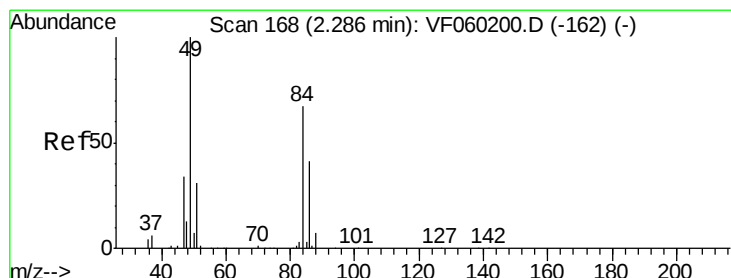
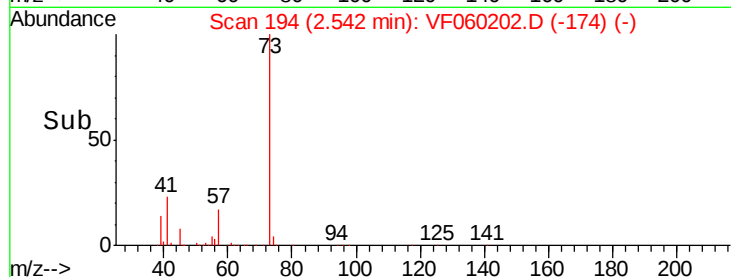
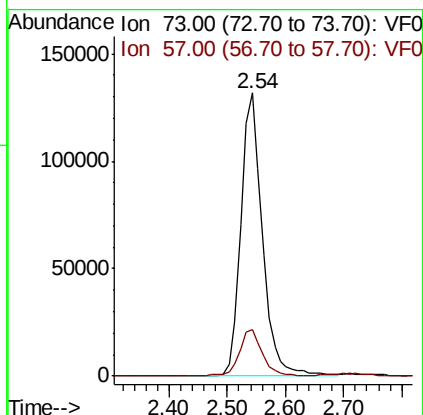
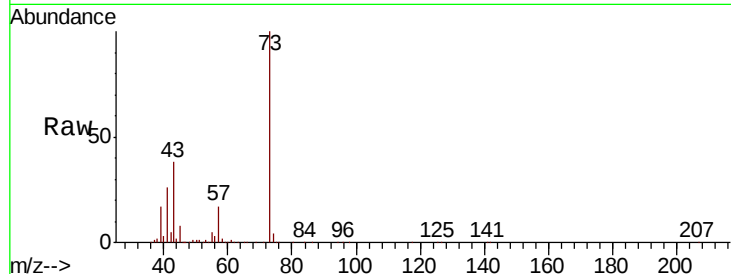


#19

Methyl tert-butyl Ether
 Concen: 101.368 ug/l
 RT: 2.54 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

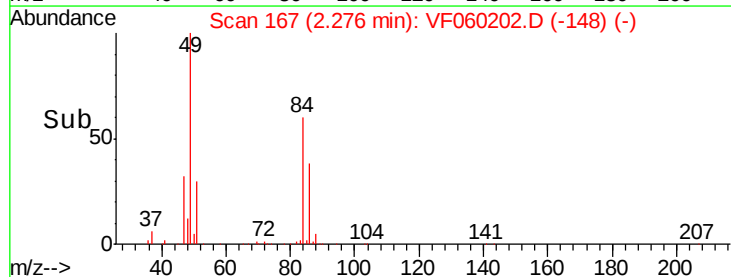
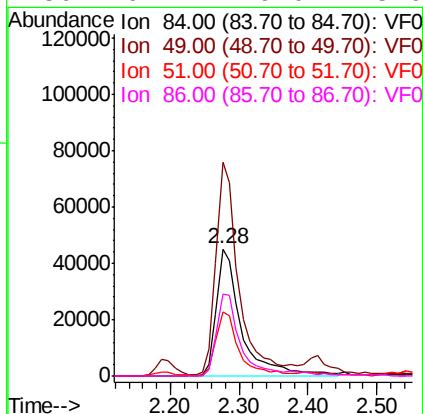
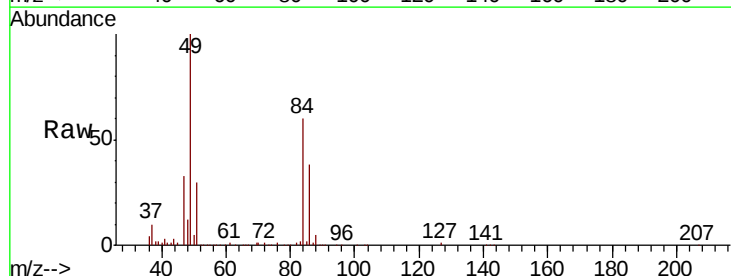
Tgt Ion: 73 Resp: 339163
 Ion Ratio Lower Upper
 73 100
 57 16.6 14.3 21.5

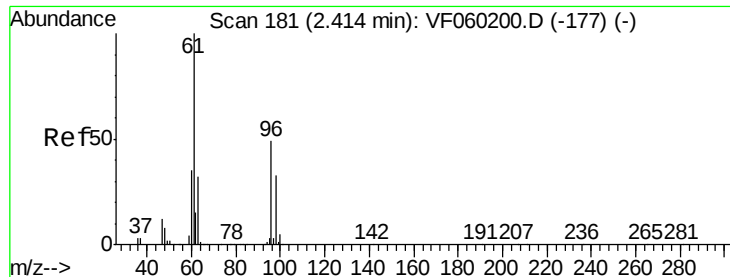


#20

Methylene Chloride
 Concen: 70.063 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion: 84 Resp: 113500
 Ion Ratio Lower Upper
 84 100
 49 168.0 120.1 180.1
 51 50.7 37.0 55.6
 86 64.1 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 106.617 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

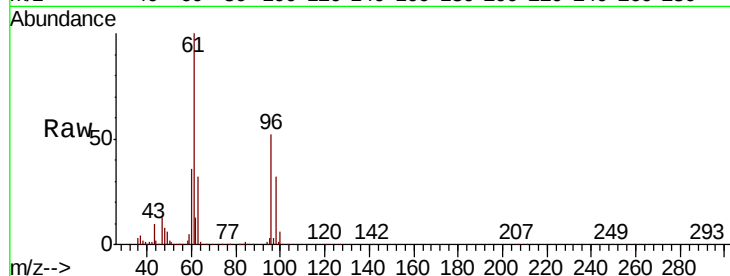
Tgt Ion: 96 Resp: 110032

Ion Ratio Lower Upper

96 100

61 190.9 163.1 244.7

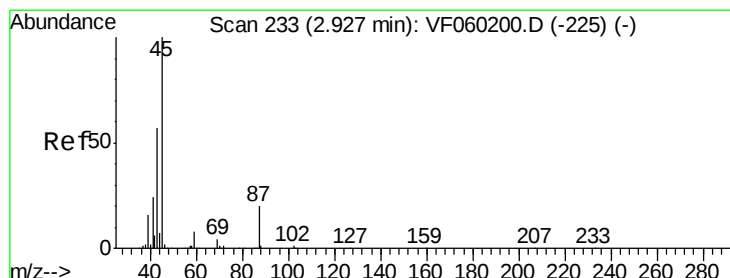
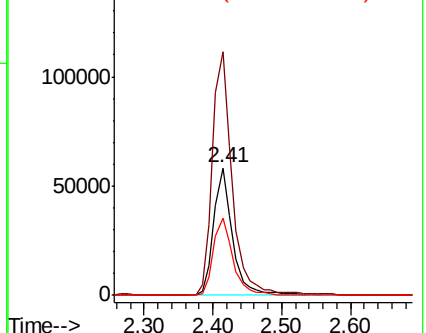
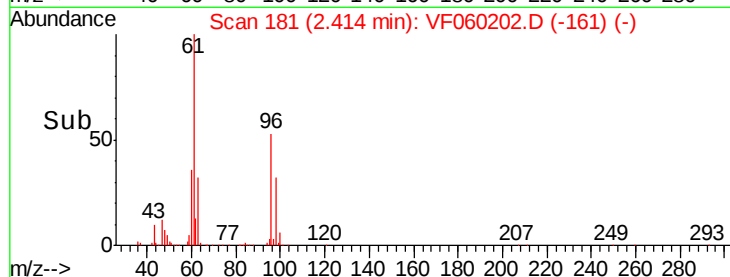
98 60.7 54.1 81.1



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: 99.346 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Tgt Ion: 45 Resp: 379470

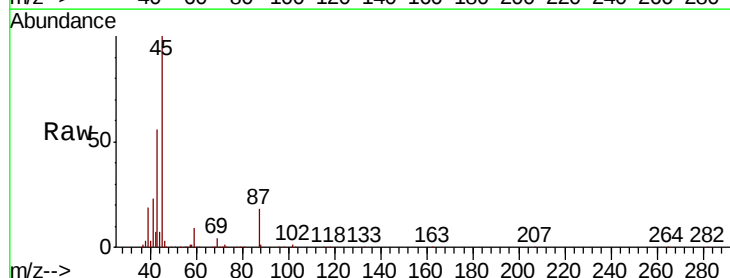
Ion Ratio Lower Upper

45 100

43 55.8 46.2 69.4

87 17.9 16.1 24.1

59 9.2 6.5 9.7

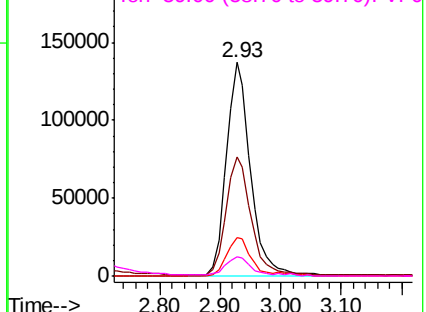
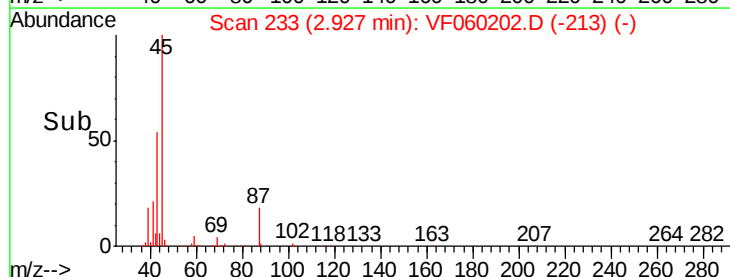


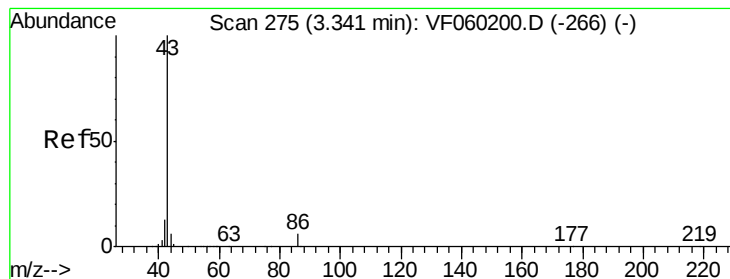
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 651.435 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

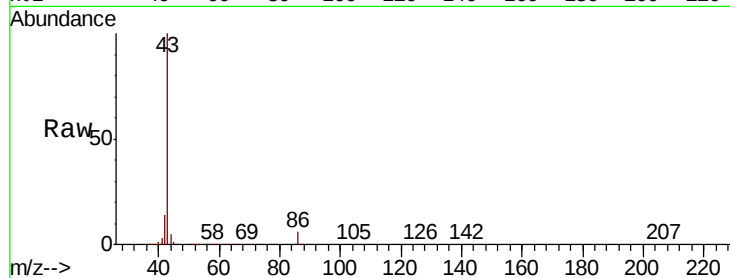
VSTDIC100

Tgt Ion: 43 Resp: 870674

Ion Ratio Lower Upper

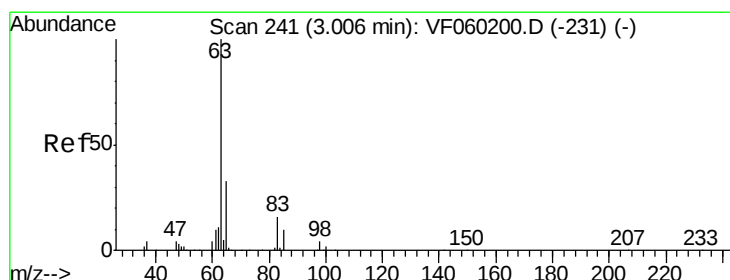
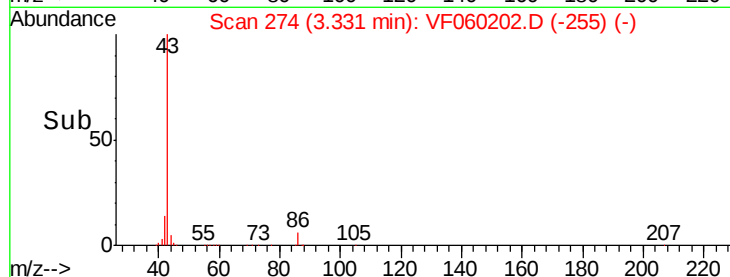
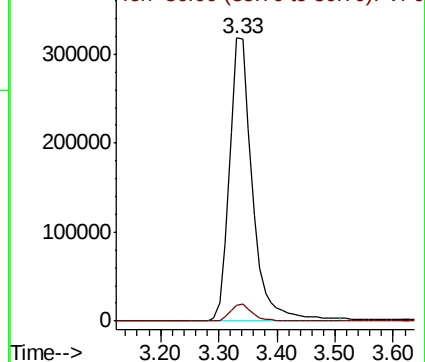
43 100

86 5.8 4.8 7.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 100.334 ug/l

RT: 3.01 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

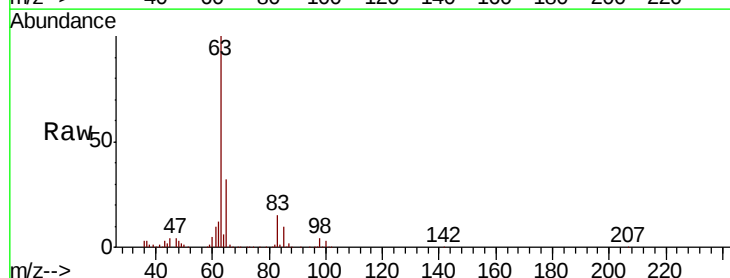
Tgt Ion: 63 Resp: 249160

Ion Ratio Lower Upper

63 100

98 3.7 1.9 5.7

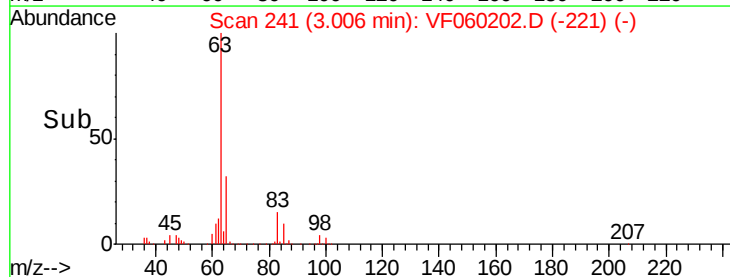
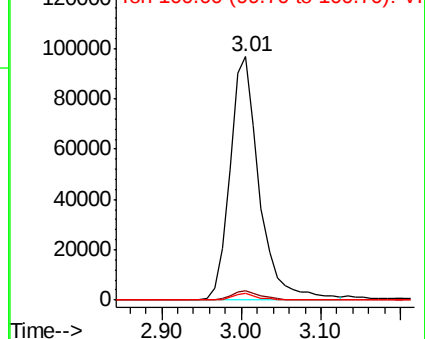
100 2.6 1.1 3.1

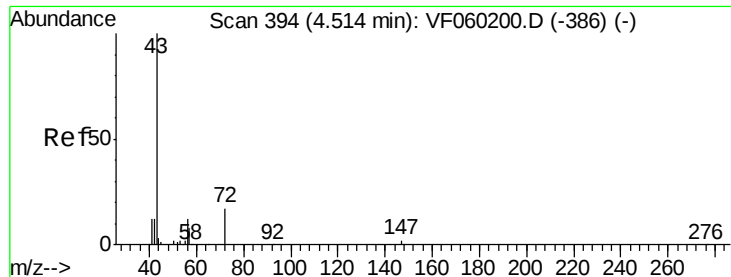


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 428.815 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

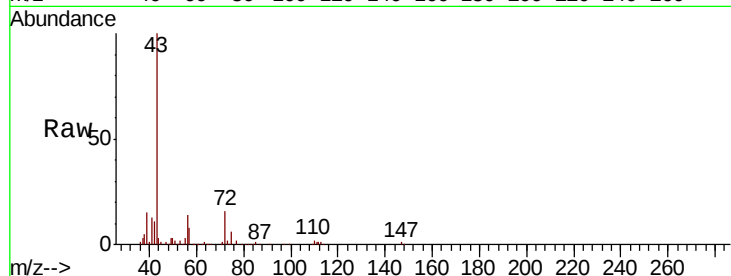
VSTDIC100

Tgt Ion: 43 Resp: 293365

Ion Ratio Lower Upper

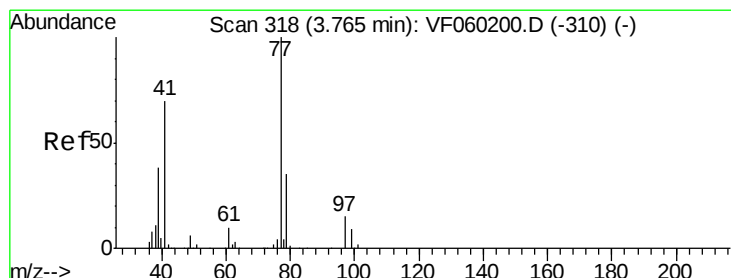
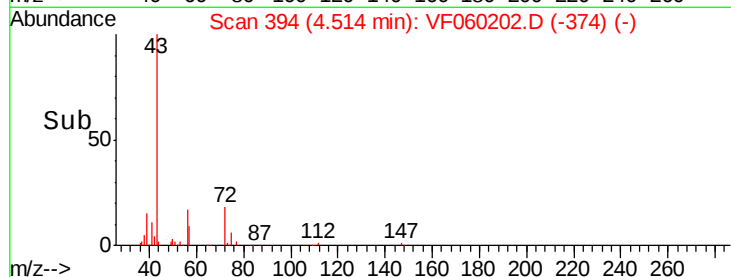
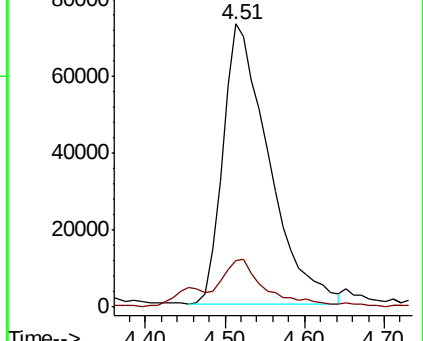
43 100

72 16.4 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 119.676 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF060202.D

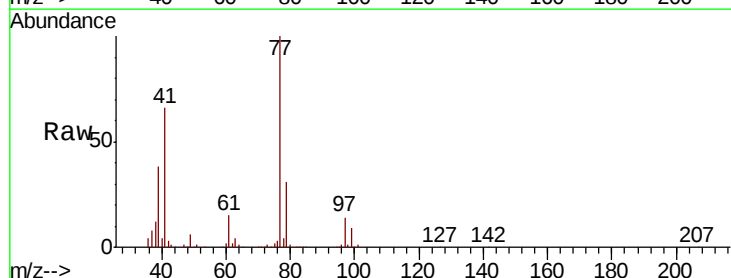
Acq: 6 Sep 2018 14:06

Tgt Ion: 77 Resp: 359840

Ion Ratio Lower Upper

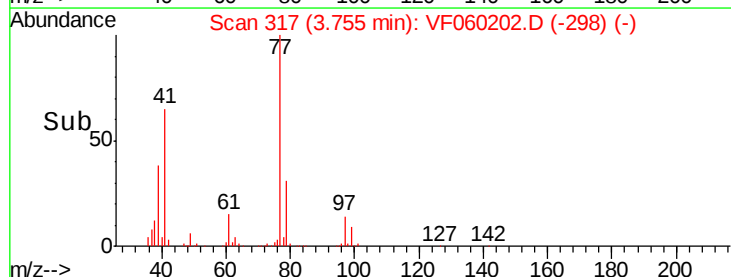
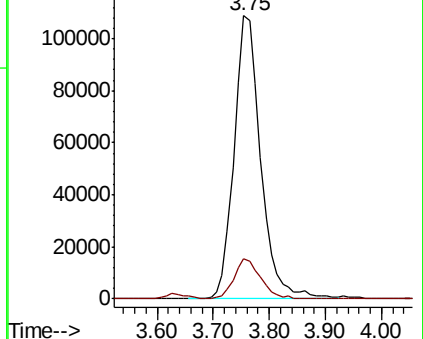
77 100

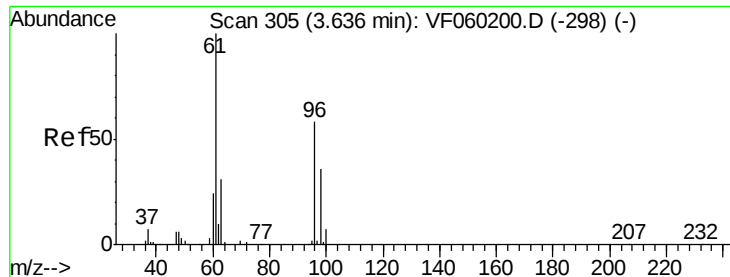
97 14.1 7.5 22.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



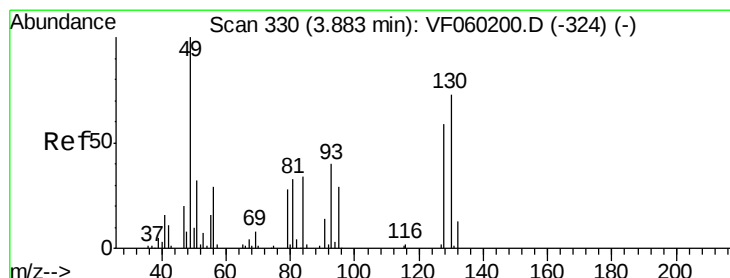
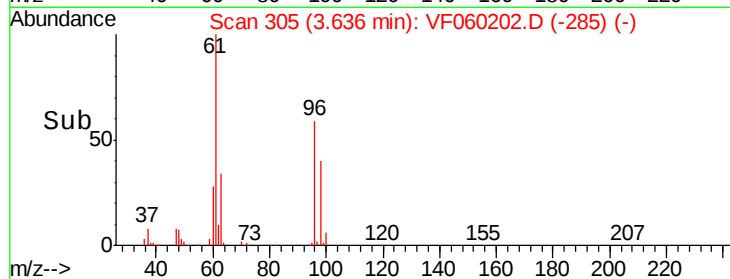
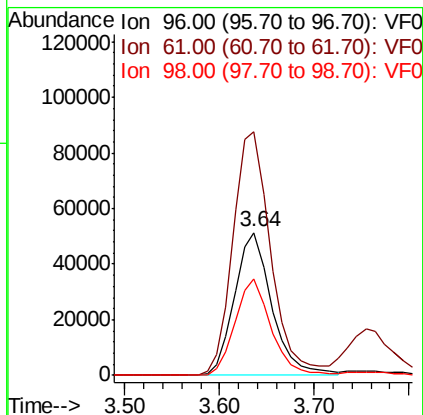
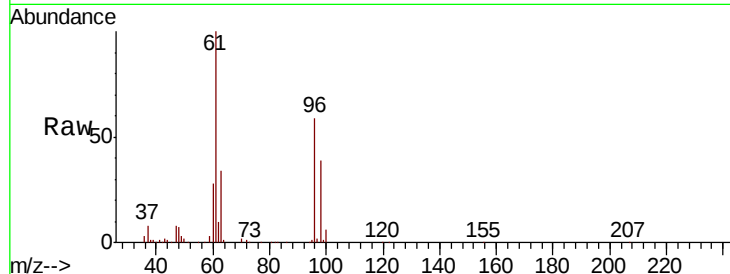


#27

cis-1,2-Dichloroethene
 Concen: 105.311 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

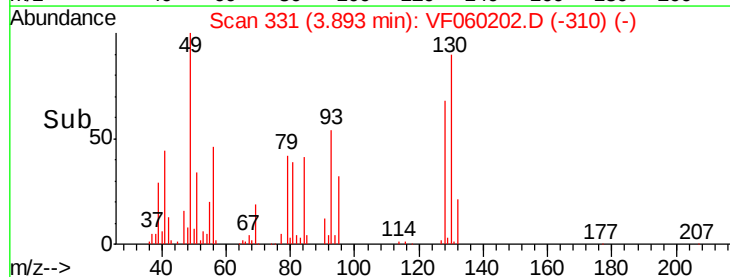
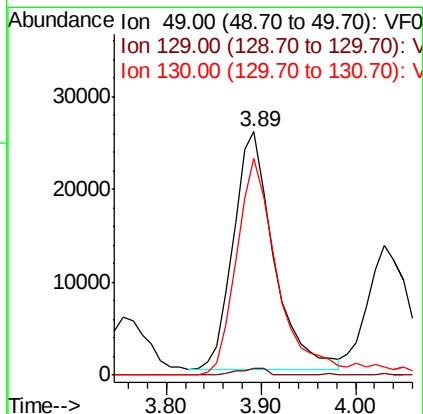
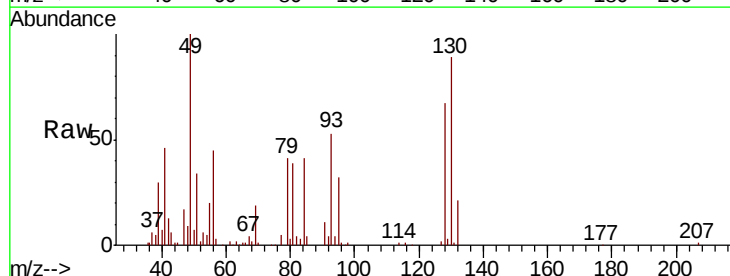
Tgt Ion	Resp	Lower	Upper
96	140910		
61	170.2	0.0	345.2
98	67.2	0.0	124.6

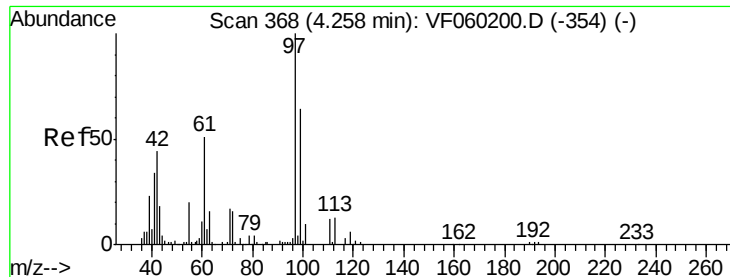


#28

Bromochloromethane
 Concen: 90.884 ug/l
 RT: 3.89 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion	Resp	Lower	Upper
49	76083		
129	2.8	0.0	0.0#
130	88.8	57.8	86.6#





#29

Tetrahydrofuran

Concen: 430.559 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

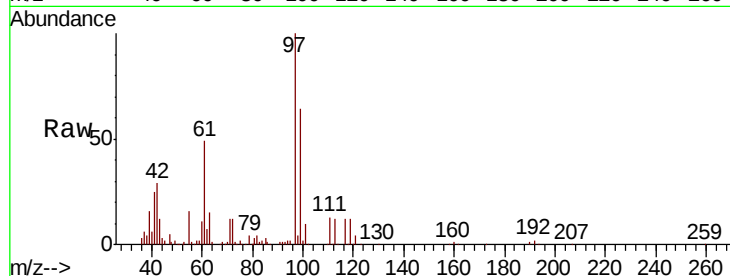
Tgt Ion: 42 Resp: 98065

Ion Ratio Lower Upper

42 100

72 35.7 27.4 41.0

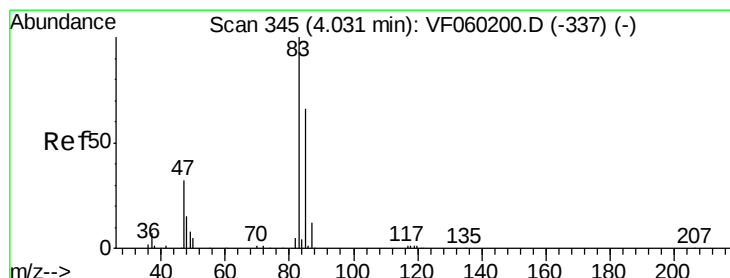
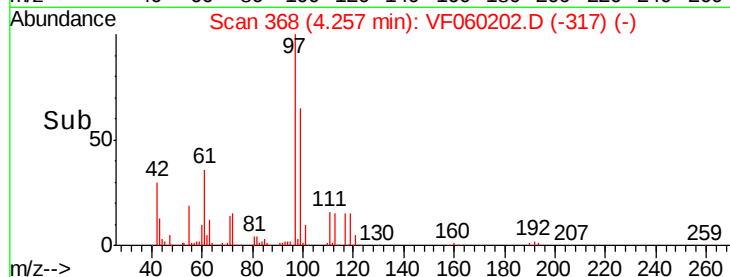
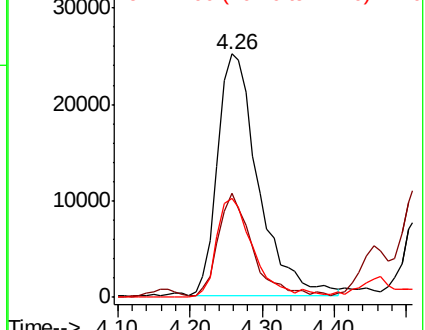
71 36.1 28.5 42.7



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: 102.958 ug/l

RT: 4.04 min Scan# 346

Delta R.T. 0.01 min

Lab File: VF060202.D

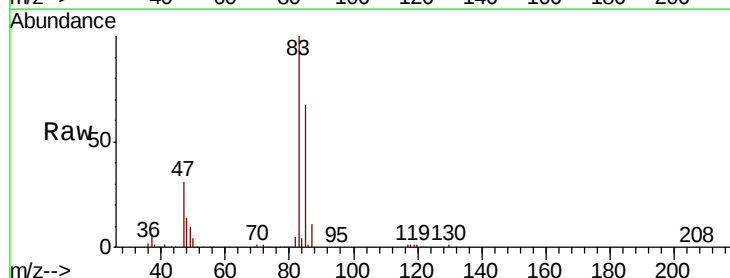
Acq: 6 Sep 2018 14:06

Tgt Ion: 83 Resp: 377548

Ion Ratio Lower Upper

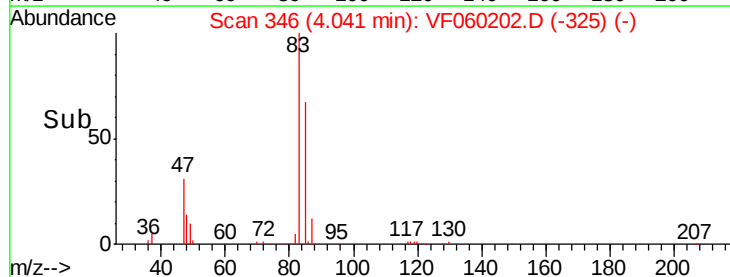
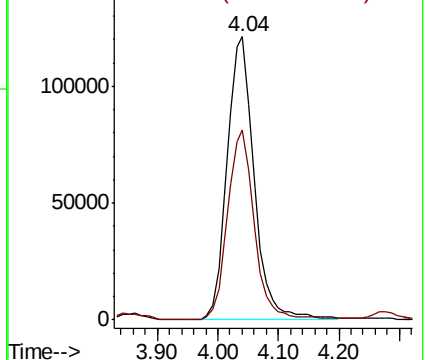
83 100

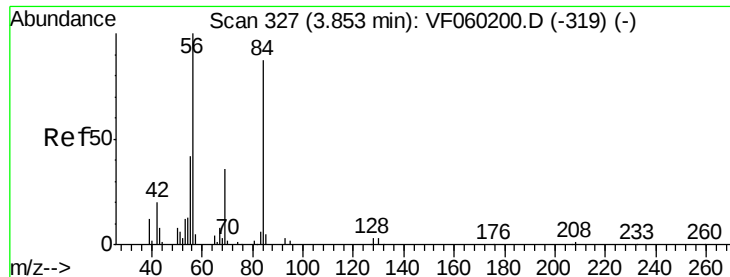
85 67.3 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

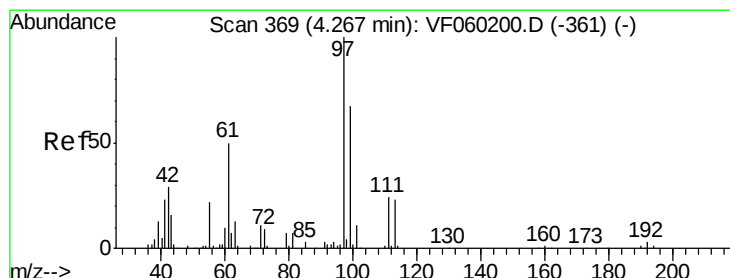
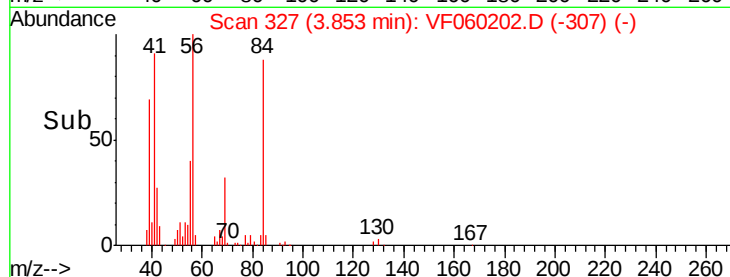
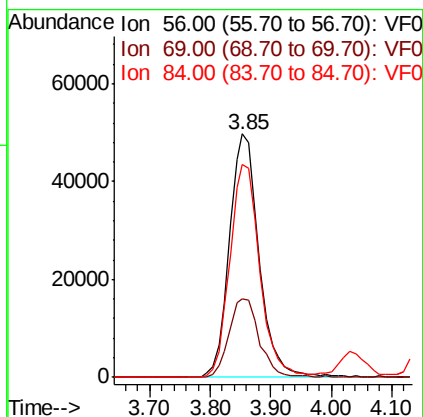
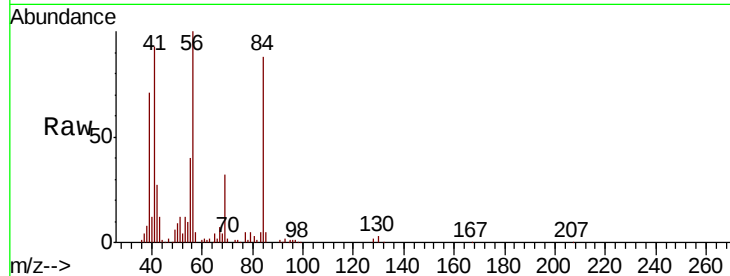




#31
Cyclohexane
Concen: 100.458 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

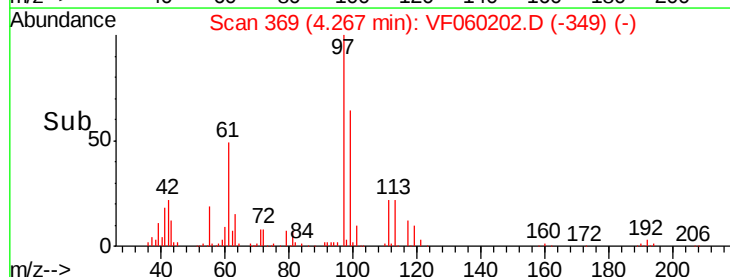
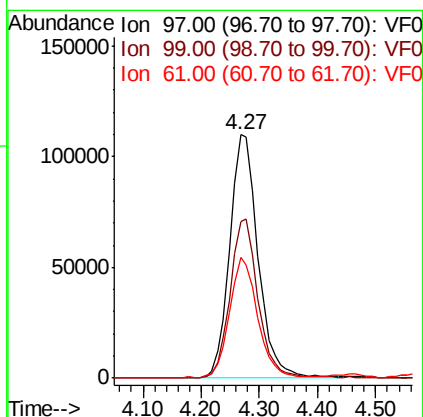
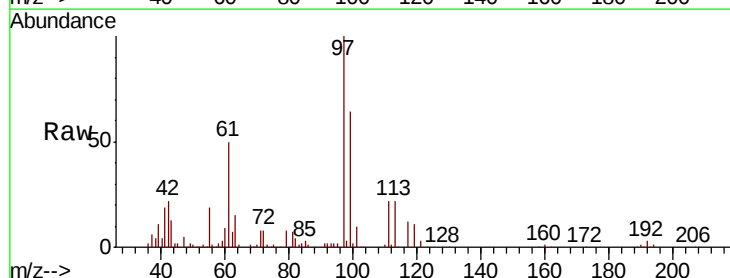
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

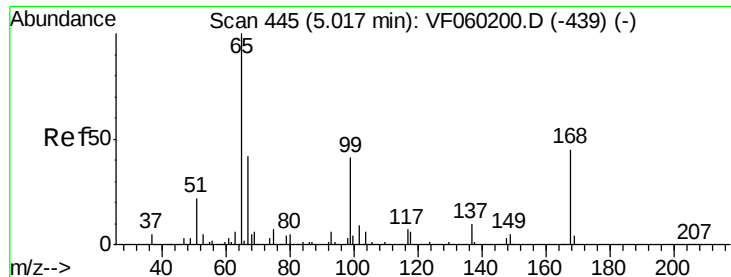
Tgt Ion: 56 Resp: 168501
Ion Ratio Lower Upper
56 100
69 32.2 28.7 43.1
84 87.7 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 102.160 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 97 Resp: 371781
Ion Ratio Lower Upper
97 100
99 64.1 53.5 80.3
61 49.6 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 100.895 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

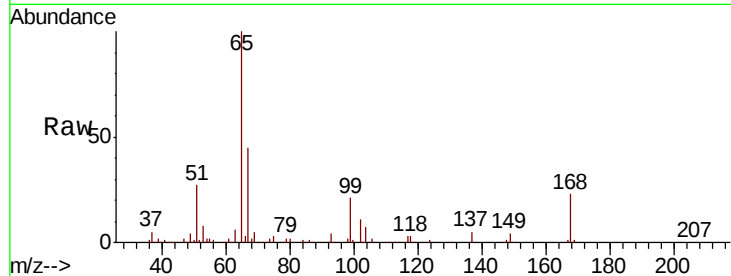
VSTDIC100

Tgt Ion: 65 Resp: 249192

Ion Ratio Lower Upper

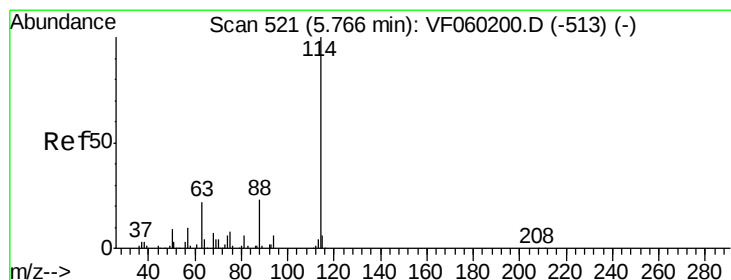
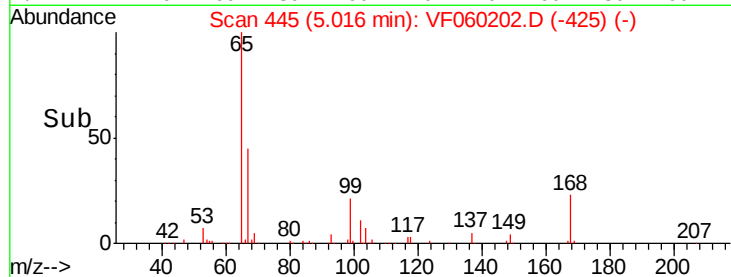
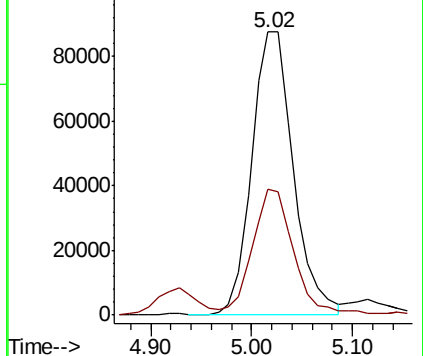
65 100

67 44.7 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

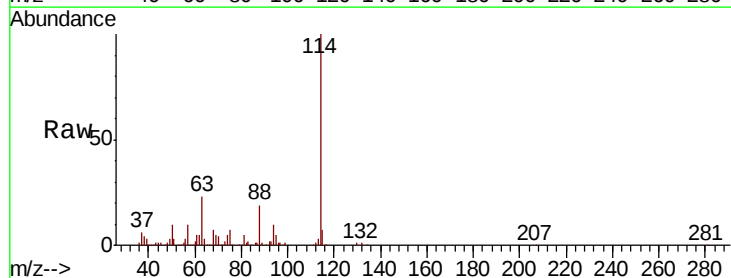
Tgt Ion: 114 Resp: 200562

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

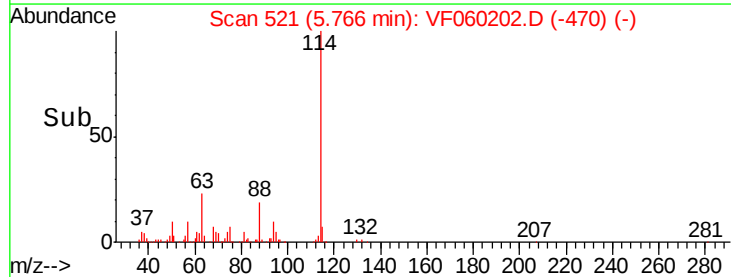
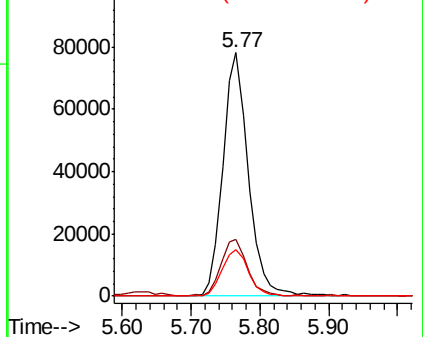
88 19.0 0.0 46.4

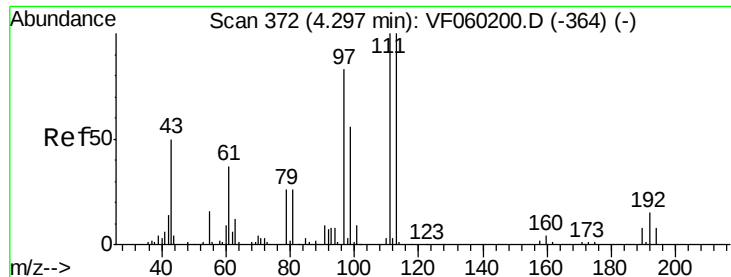


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

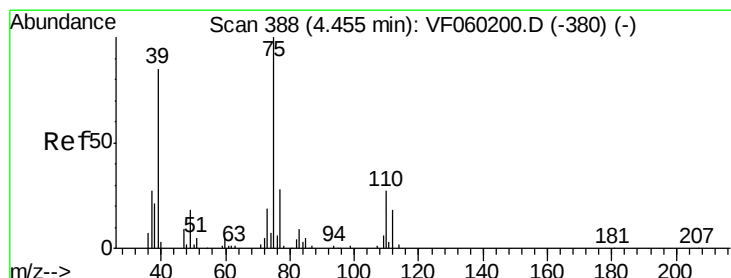
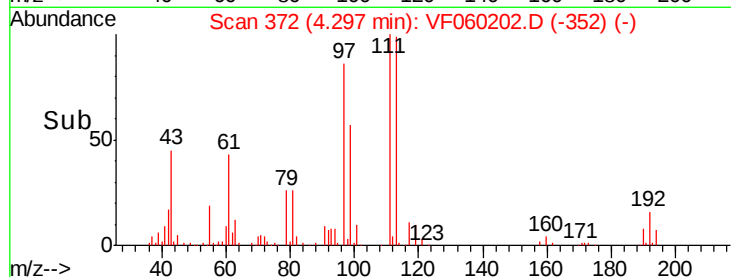
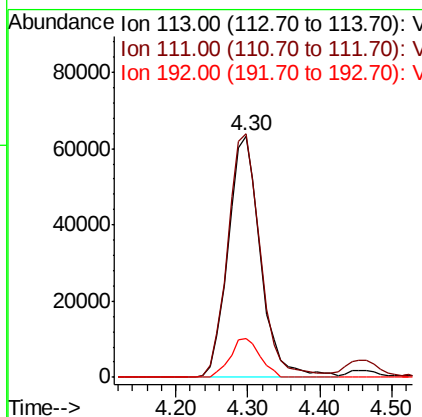
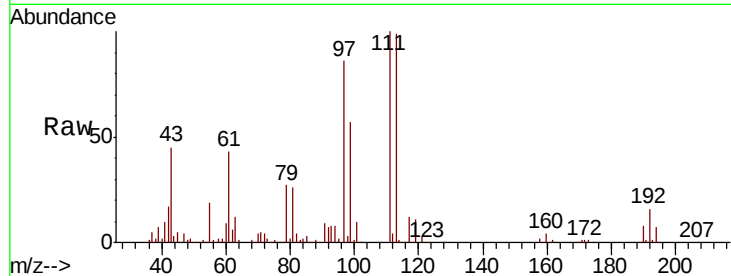




#35
 Dibromofluoromethane
 Concen: 100.848 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

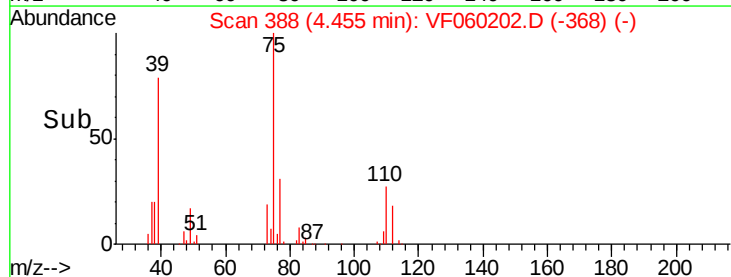
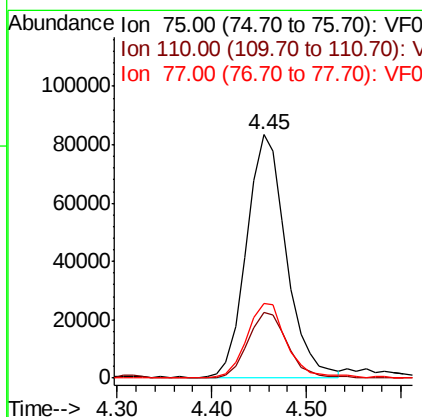
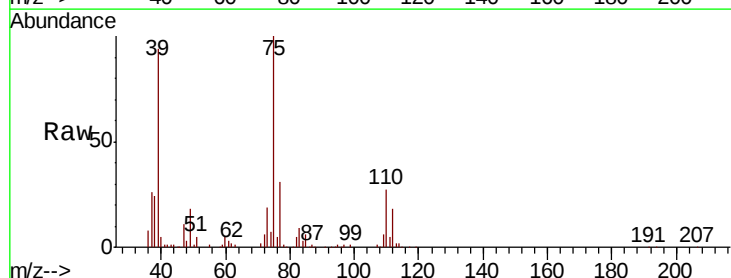
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

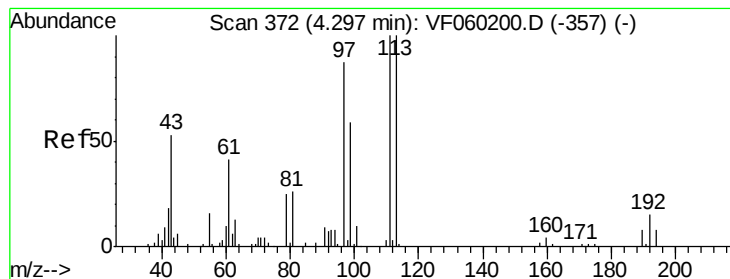
Tgt Ion: 113 Resp: 197402
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.2 120.2
 192 16.4 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 104.289 ug/l
 RT: 4.45 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion: 75 Resp: 242753
 Ion Ratio Lower Upper
 75 100
 110 27.0 13.6 40.7
 77 30.8 22.7 34.1





#37

Ethyl Acetate

Concen: 86.877 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

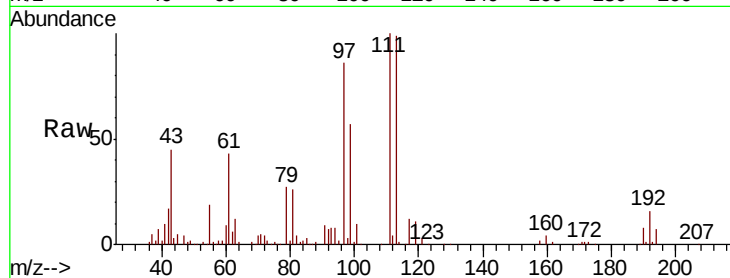
Tgt Ion: 43 Resp: 111282

Ion Ratio Lower Upper

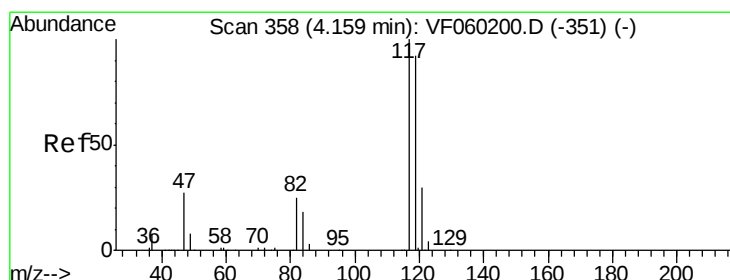
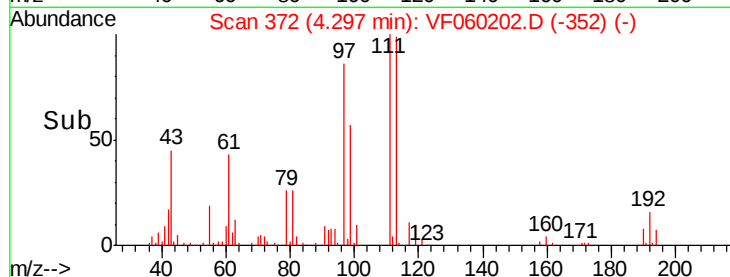
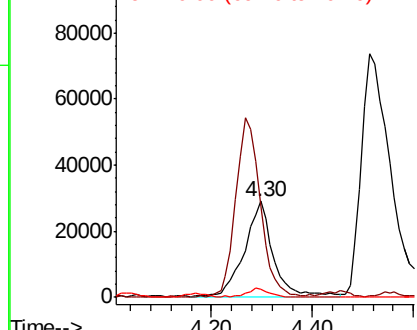
43 100

61 95.0 61.6 92.4#

70 8.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 108.404 ug/l

RT: 4.17 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

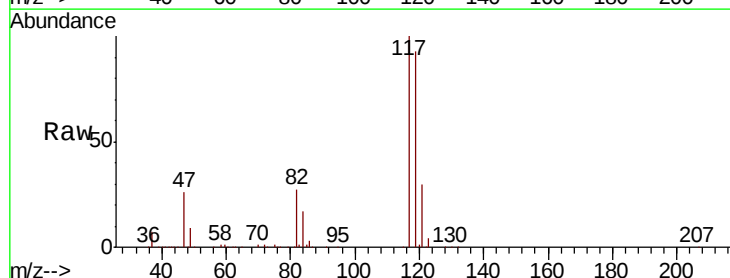
Tgt Ion: 117 Resp: 352856

Ion Ratio Lower Upper

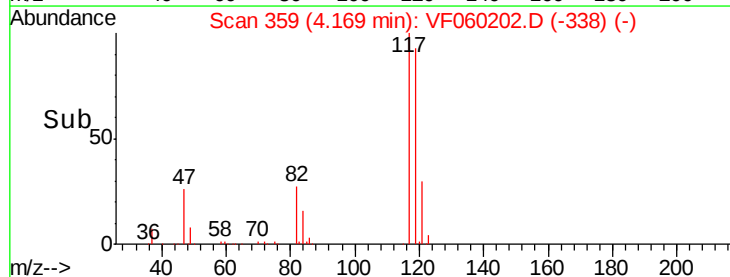
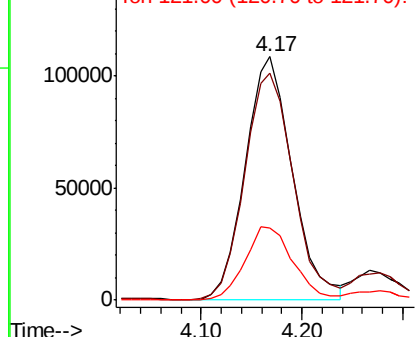
117 100

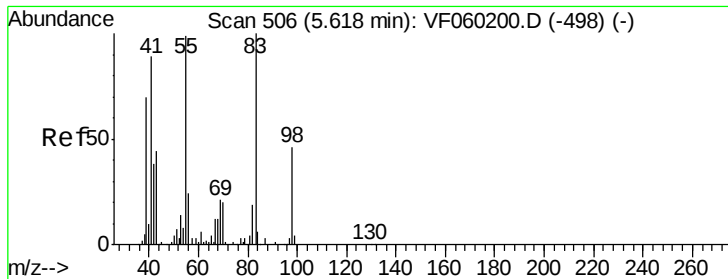
119 93.3 73.0 109.6

121 29.5 23.9 35.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

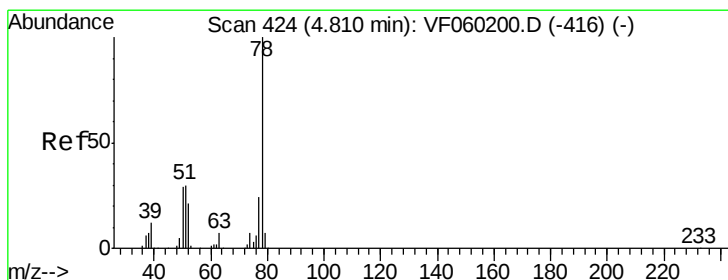
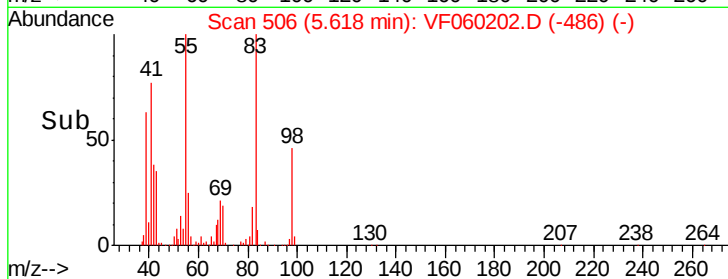
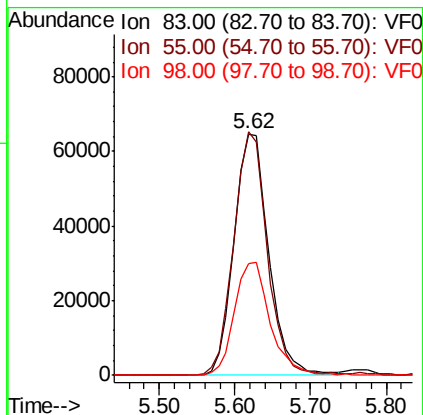
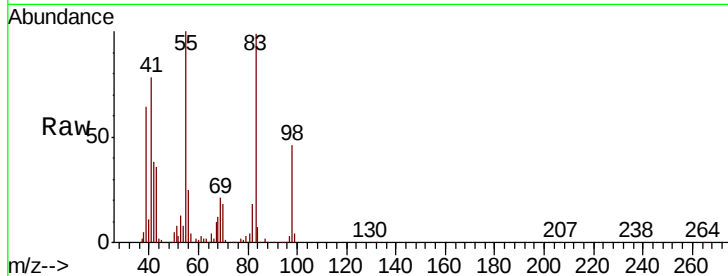




#39
Methylcyclohexane
Concen: 104.254 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

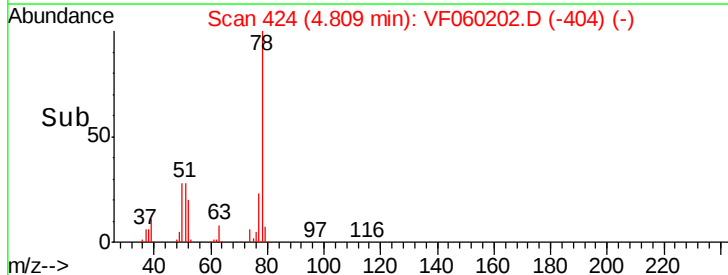
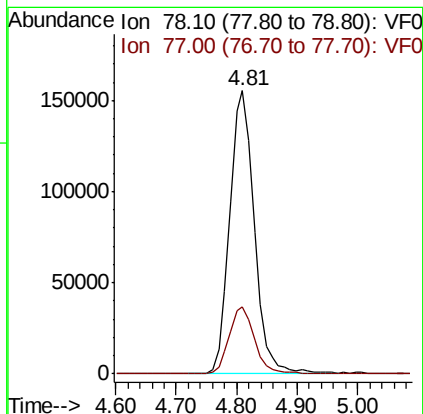
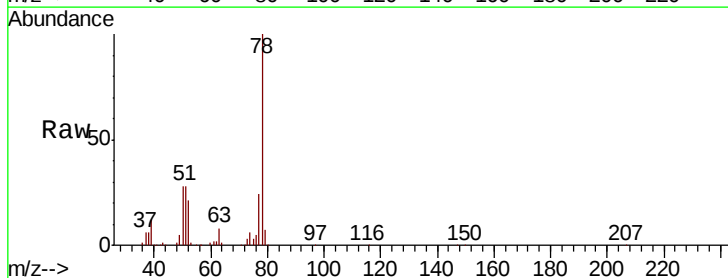
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

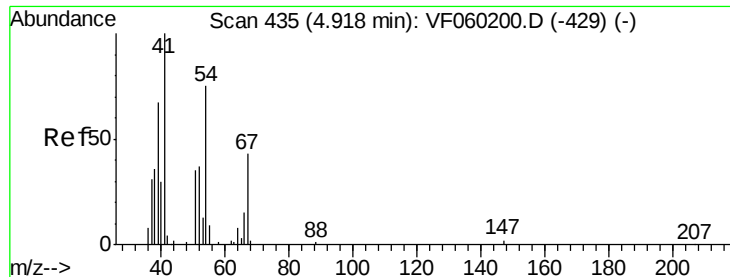
Tgt Ion: 83 Resp: 205026
Ion Ratio Lower Upper
83 100
55 100.8 79.0 118.4
98 46.1 36.7 55.1



#40
Benzene
Concen: 106.228 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 78 Resp: 439836
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

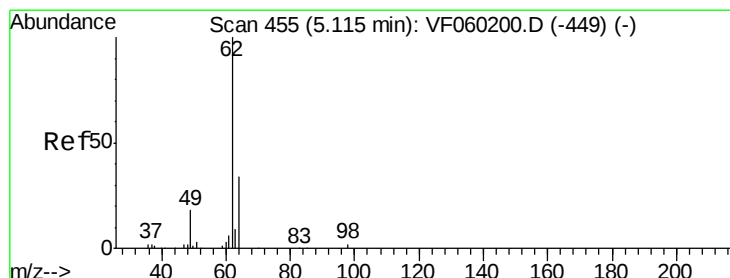
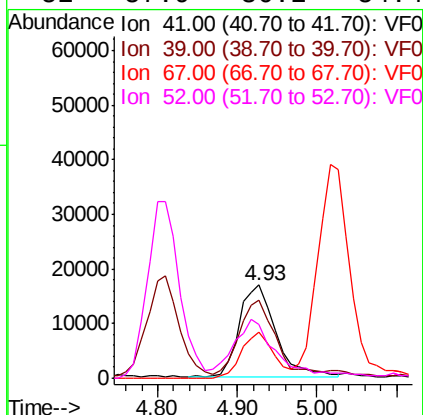
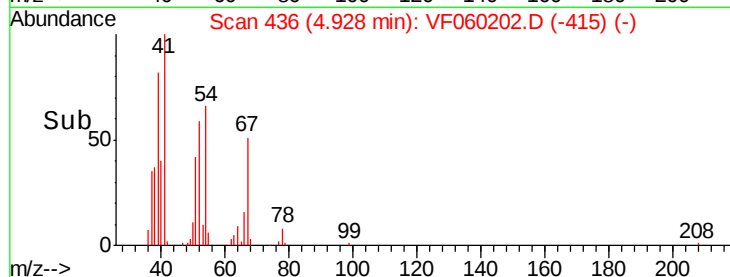
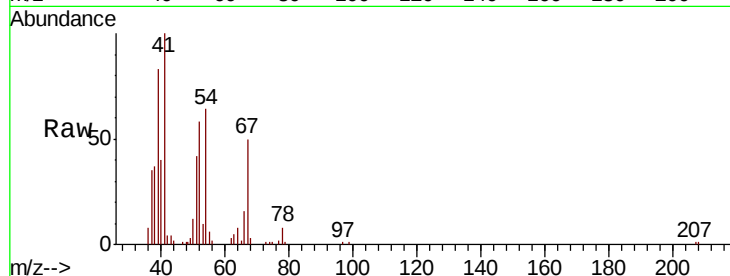




#41
Methacrylonitrile
Concen: 86.461 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

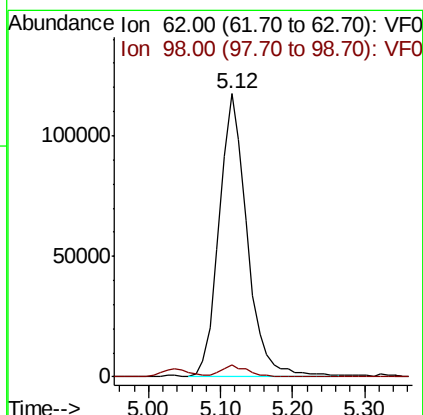
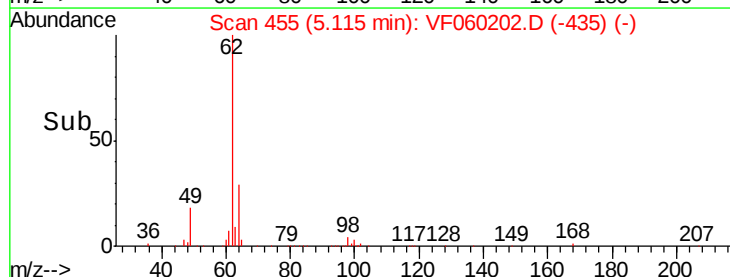
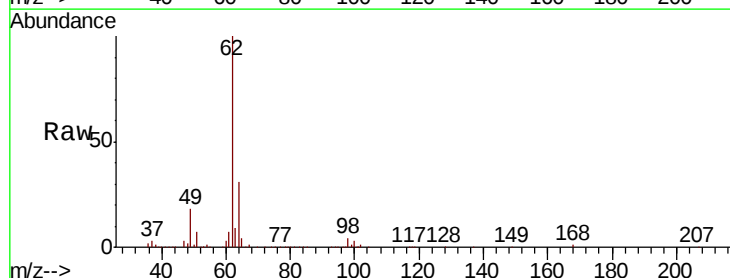
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

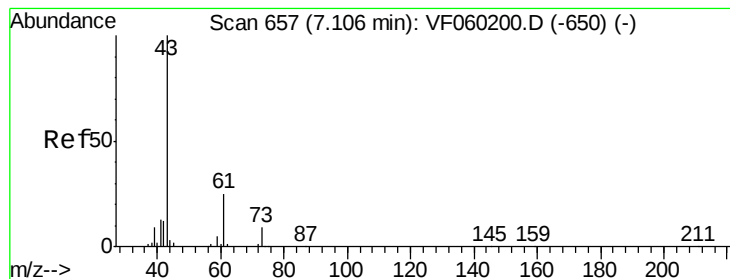
Tgt Ion:	41	Resp:	52547
Ion	Ratio	Lower	Upper
41	100		
39	83.4	57.4	86.2
67	50.1	34.6	52.0
52	57.9	36.2	54.4



#42
1,2-Dichloroethane
Concen: 102.876 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion:	62	Resp:	312803
Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	8.8





#43

Isopropyl Acetate

Concen: 101.546 ug/l

RT: 7.12 min Scan# 658

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

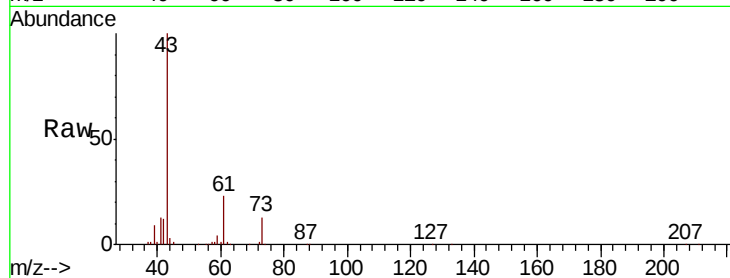
Tgt Ion: 43 Resp: 139390

Ion Ratio Lower Upper

43 100

61 23.4 19.9 29.9

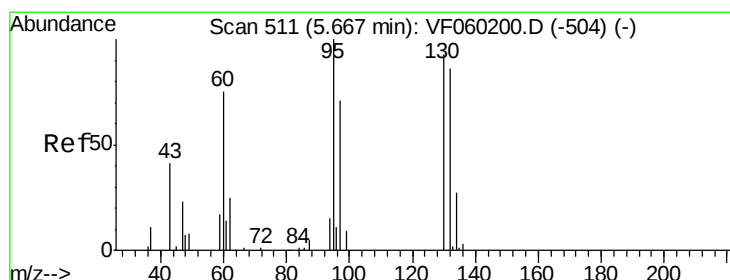
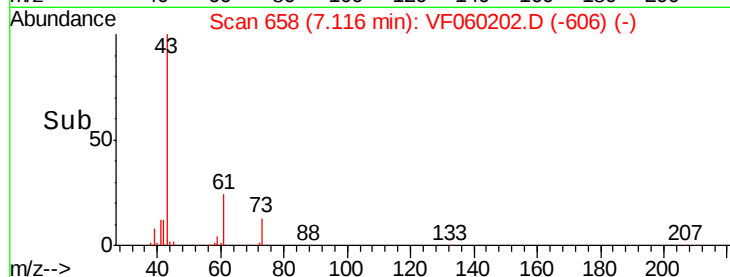
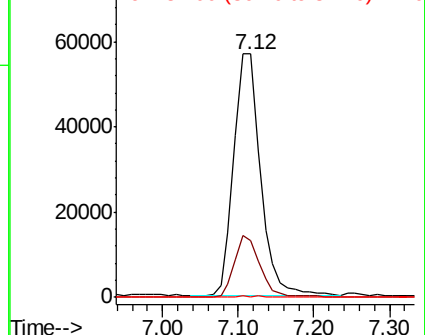
87 0.3 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 94.653 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.00 min

Lab File: VF060202.D

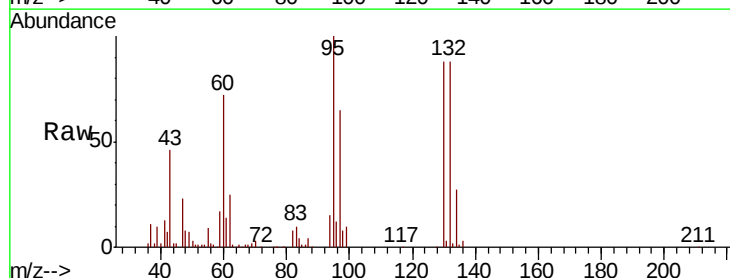
Acq: 6 Sep 2018 14:06

Tgt Ion: 130 Resp: 161521

Ion Ratio Lower Upper

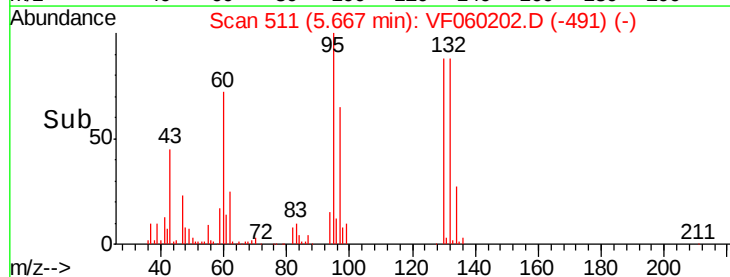
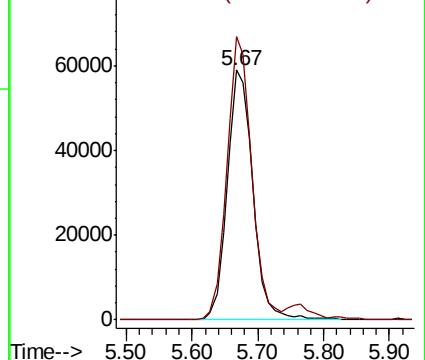
130 100

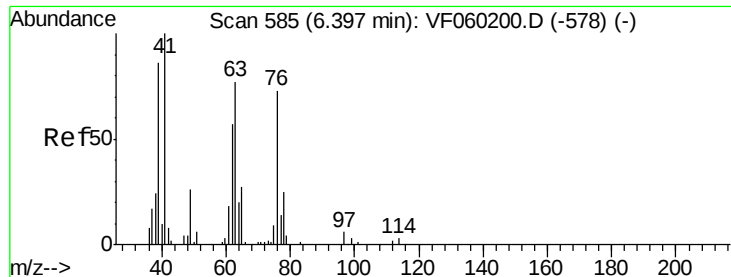
95 113.4 0.0 215.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 103.258 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

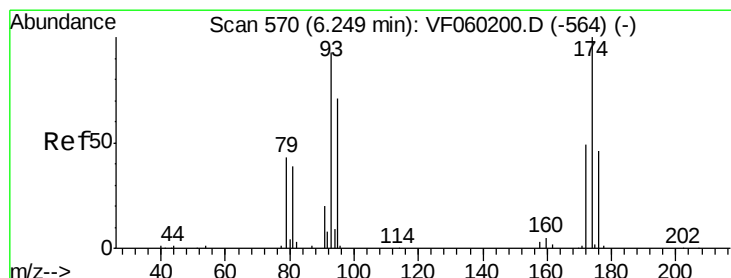
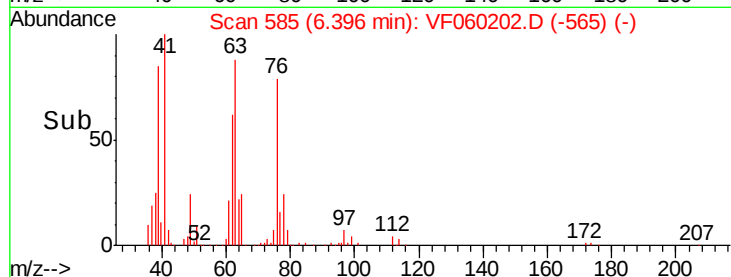
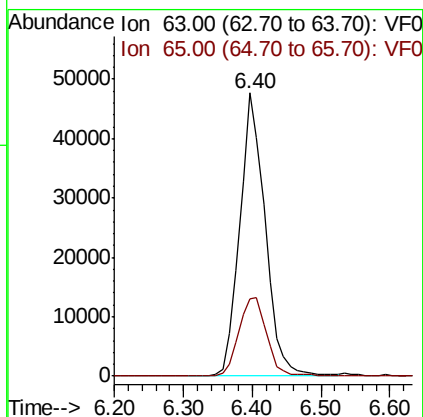
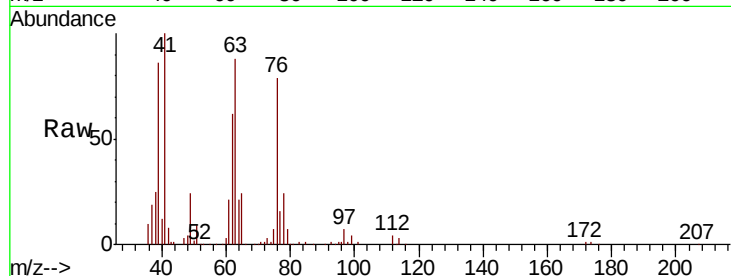
VSTDIC100

Tgt Ion: 63 Resp: 122277

Ion Ratio Lower Upper

63 100

65 27.4 27.9 41.9#



#46

Dibromomethane

Concen: 107.486 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

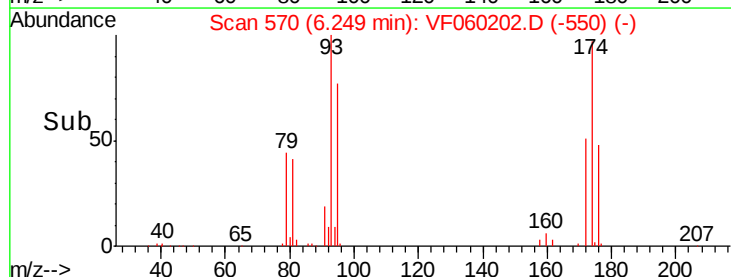
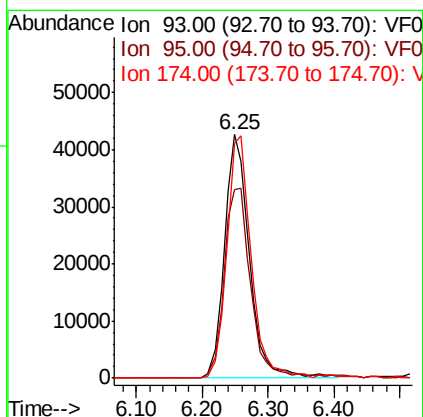
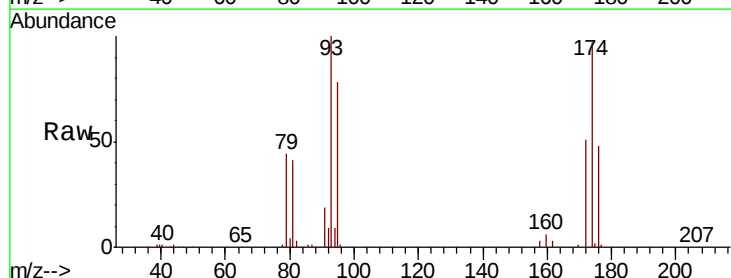
Tgt Ion: 93 Resp: 113743

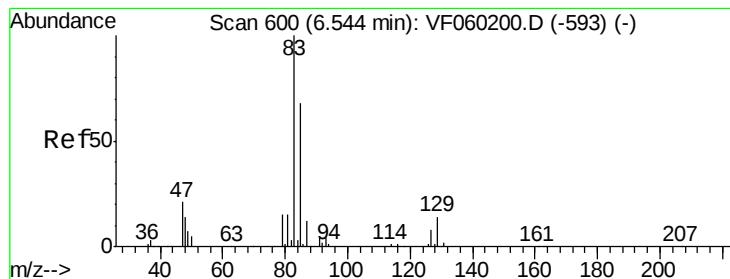
Ion Ratio Lower Upper

93 100

95 77.5 61.4 92.2

174 96.6 85.9 128.9





#47

Bromodichloromethane

Concen: 107.630 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

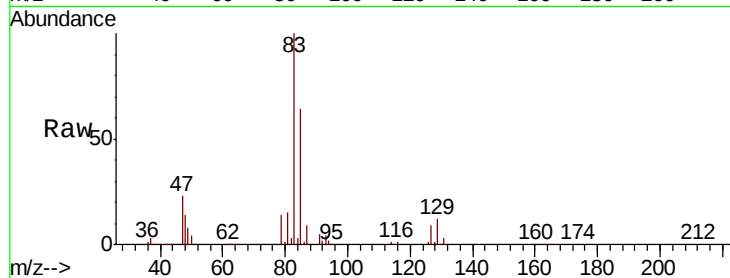
Tgt Ion: 83 Resp: 307648

Ion Ratio Lower Upper

83 100

85 63.6 54.0 81.0

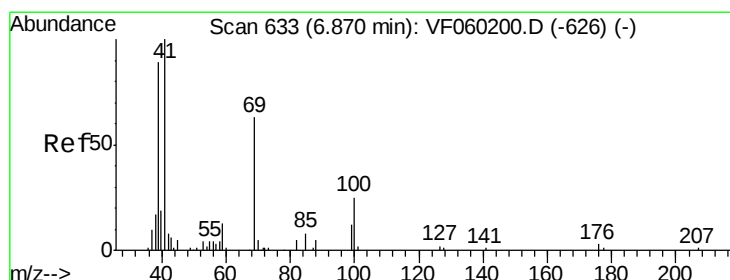
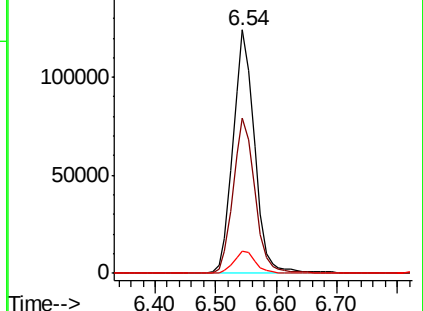
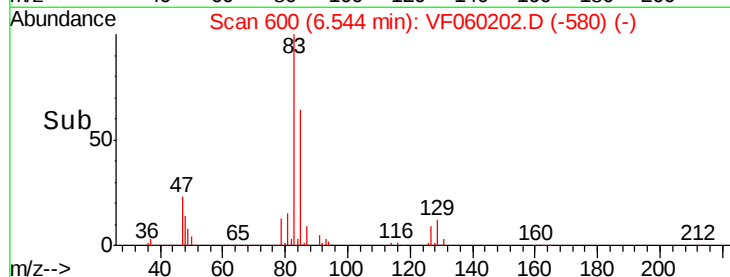
127 9.1 6.6 9.8



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: 103.400 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

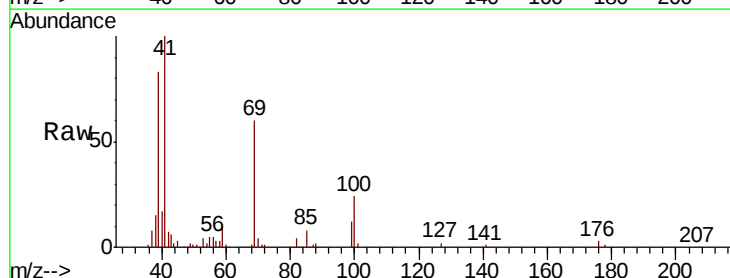
Tgt Ion: 41 Resp: 112372

Ion Ratio Lower Upper

41 100

69 59.5 50.4 75.6

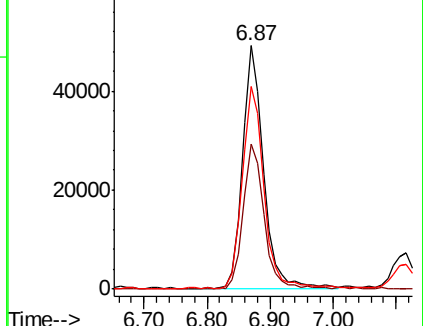
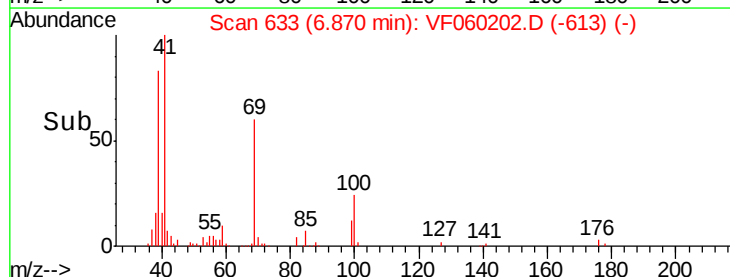
39 83.0 70.6 106.0

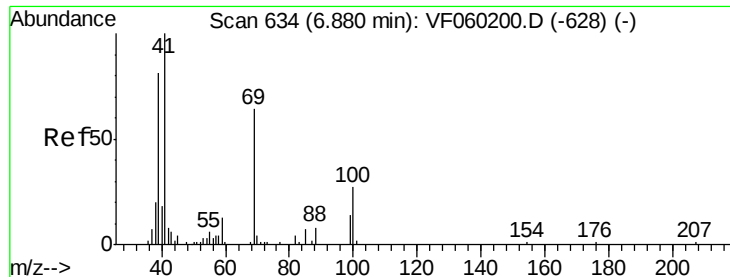


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

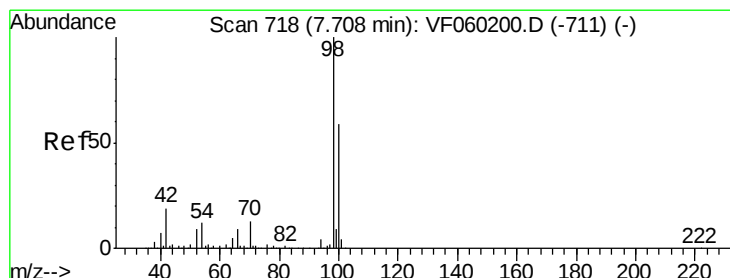
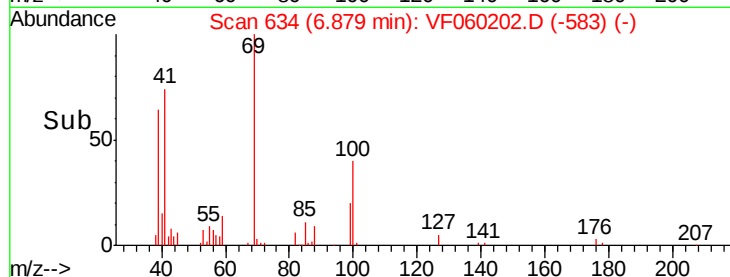
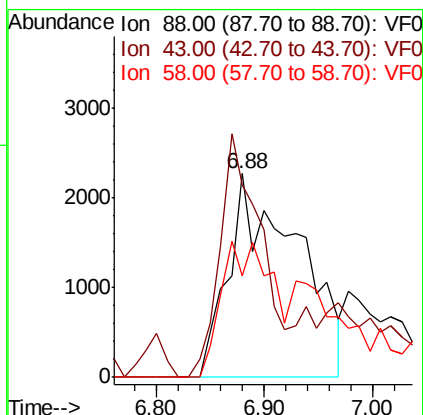
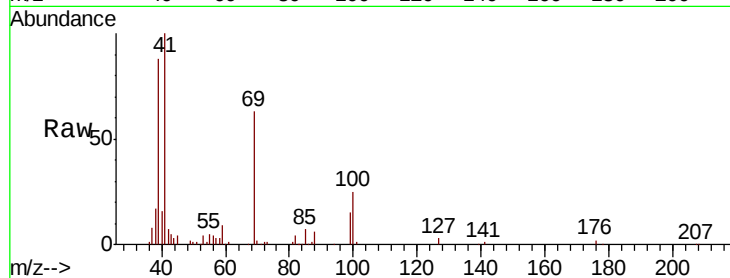




#49
1,4-Dioxane
Concen: 413.021 ug/l
RT: 6.88 min Scan# 634
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

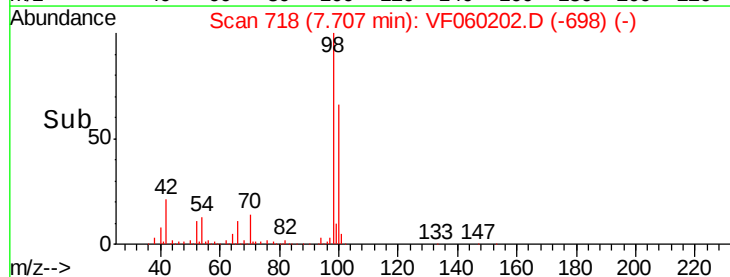
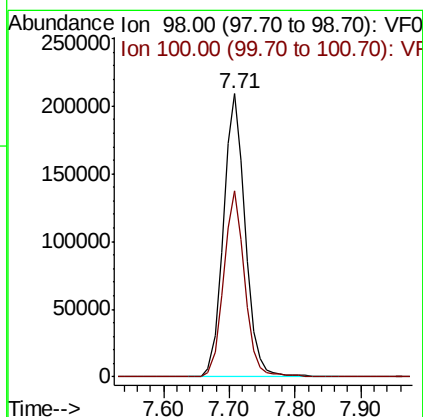
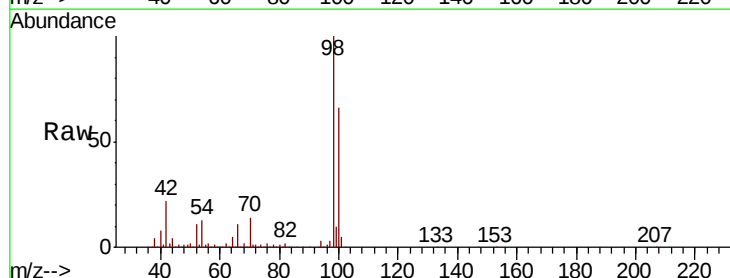
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

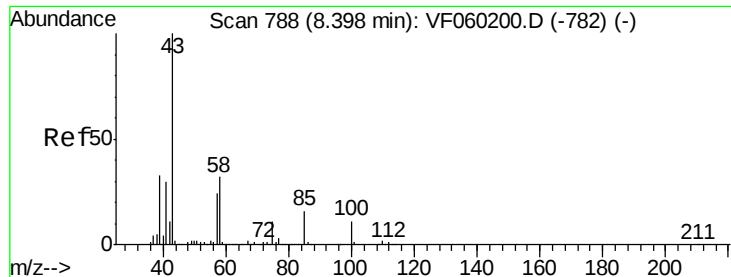
Tgt Ion: 88 Resp: 10135
Ion Ratio Lower Upper
88 100
43 94.6 68.1 102.1
58 49.5 38.1 57.1



#50
Toluene-d8
Concen: 100.096 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 98 Resp: 487614
Ion Ratio Lower Upper
98 100
100 66.0 47.4 71.0





#51

4-Methyl-2-Pentanone

Concen: 471.631 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

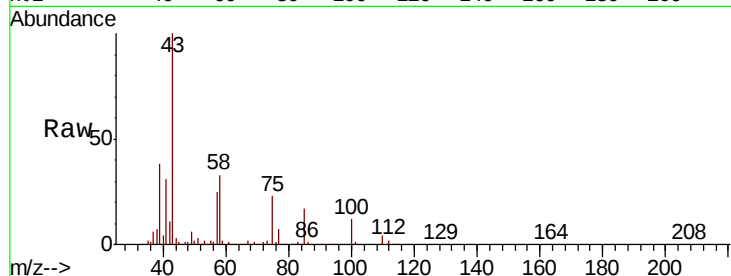
VSTDIC100

Tgt Ion: 43 Resp: 575219

Ion Ratio Lower Upper

43 100

58 32.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

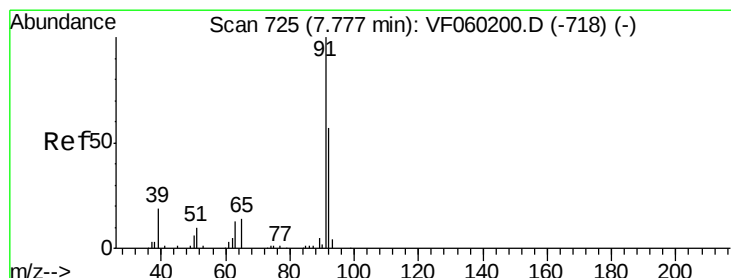
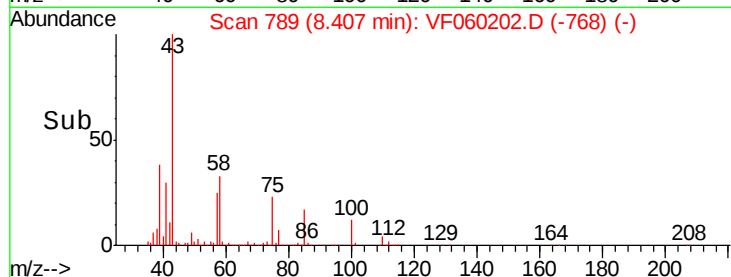
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 96.958 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060202.D

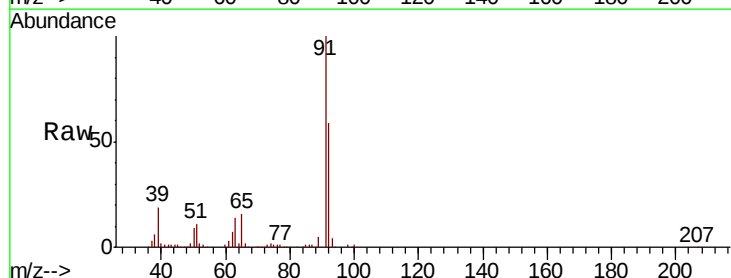
Acq: 6 Sep 2018 14:06

Tgt Ion: 92 Resp: 311372

Ion Ratio Lower Upper

92 100

91 170.5 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

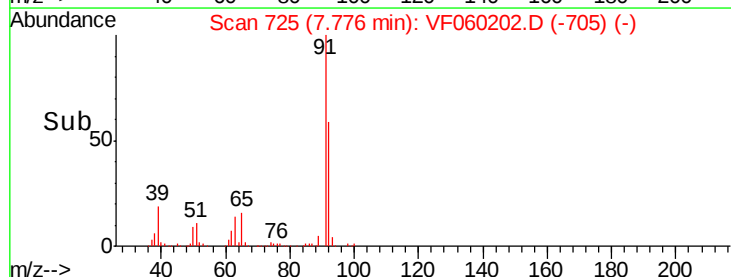
100000

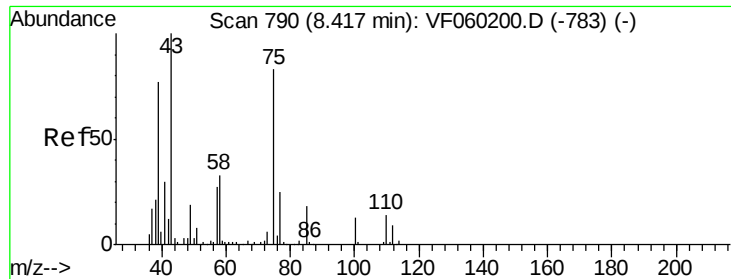
50000

0

7.60 7.70 7.80 7.90 8.00

Time-->

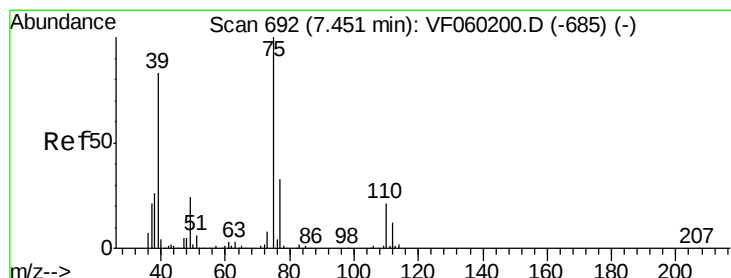
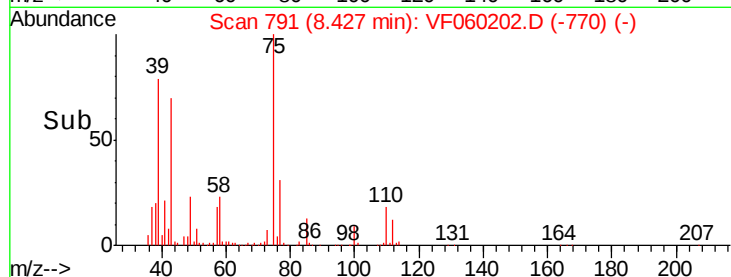
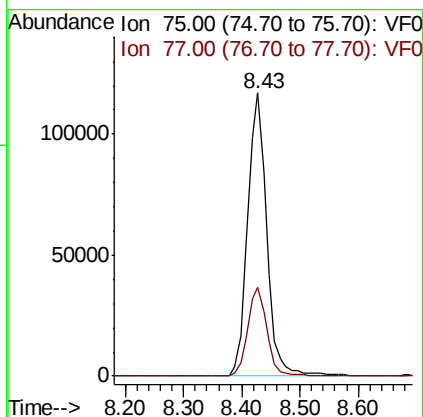
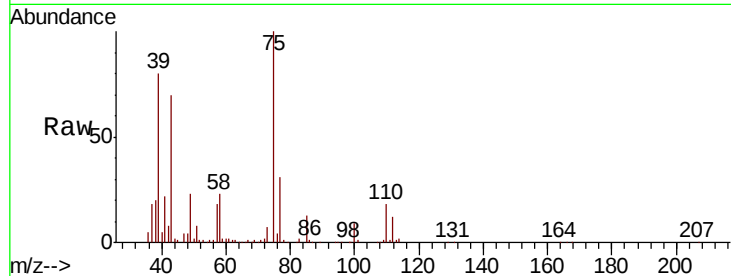




#53
 t-1,3-Dichloropropene
 Concen: 112.955 ug/l
 RT: 8.43 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

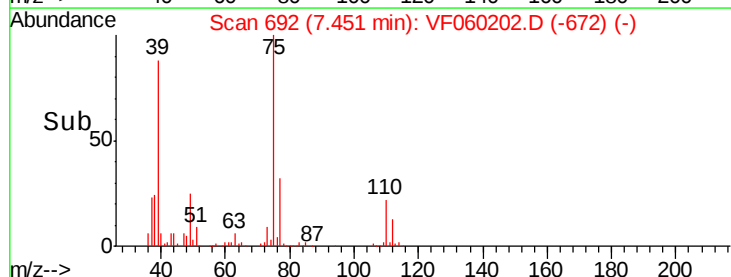
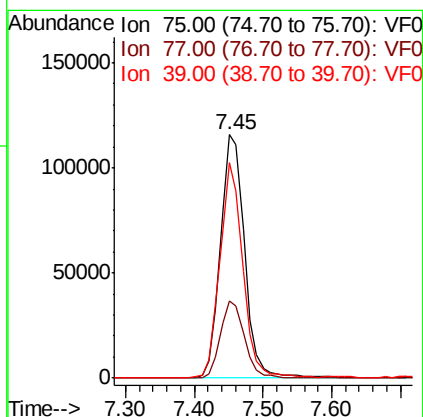
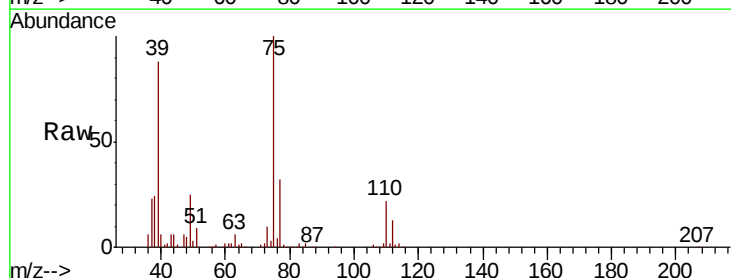
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

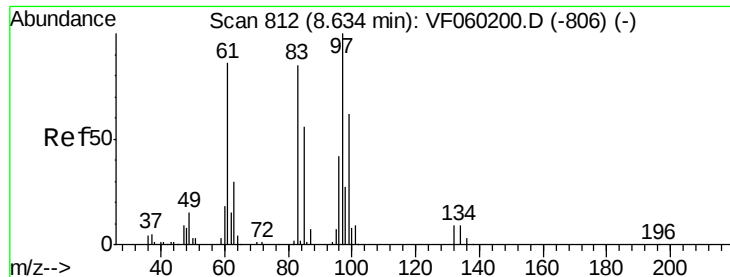
Tgt Ion: 75 Resp: 269413
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 114.894 ug/l
 RT: 7.45 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion: 75 Resp: 281195
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.6 39.8
 39 88.3 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 97.973 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 118273

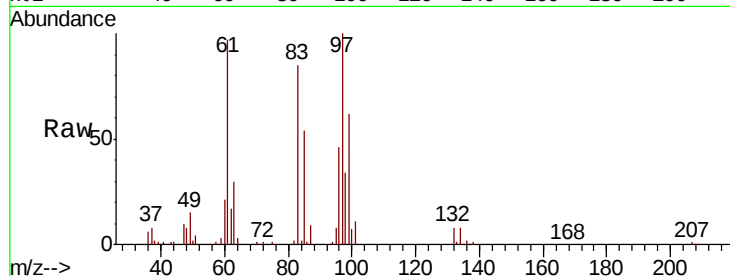
Ion Ratio Lower Upper

97 100

83 84.5 68.1 102.1

85 54.4 44.6 66.8

99 61.9 49.8 74.8

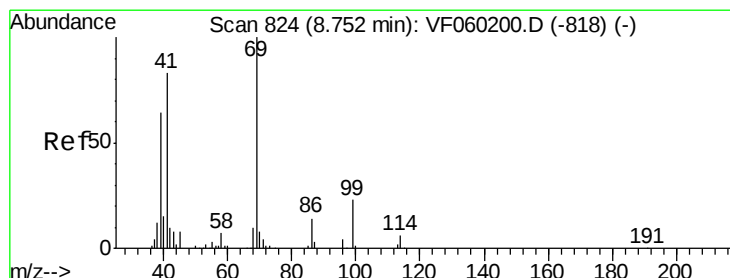
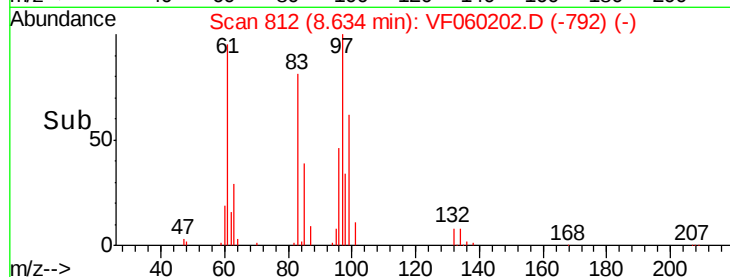
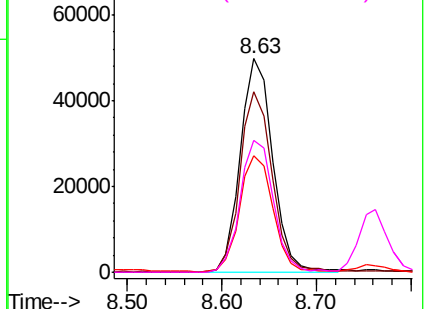


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 105.363 ug/l

RT: 8.76 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

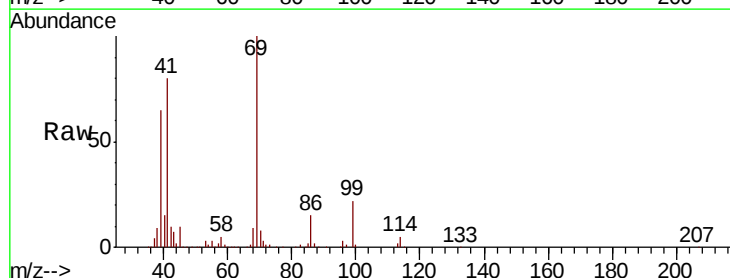
Tgt Ion: 69 Resp: 143225

Ion Ratio Lower Upper

69 100

41 79.9 66.6 100.0

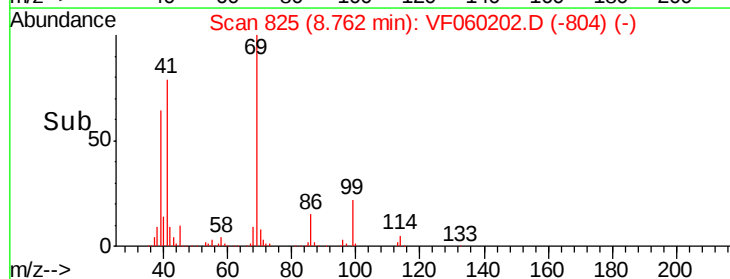
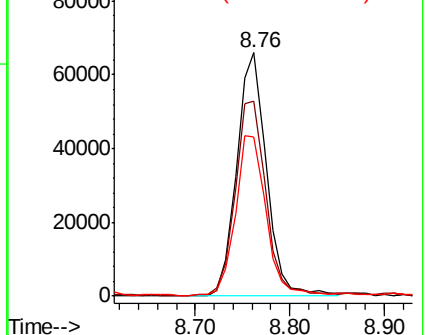
39 65.1 51.5 77.3

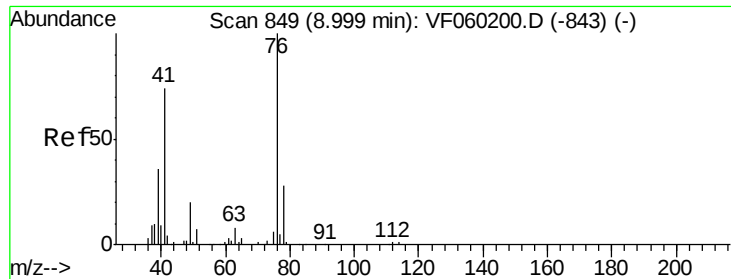


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

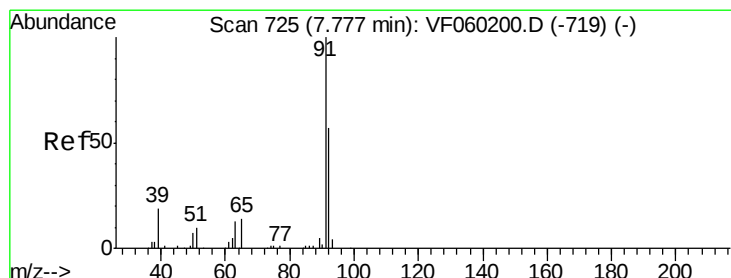
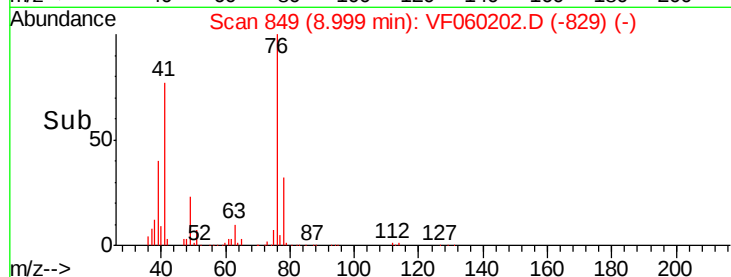
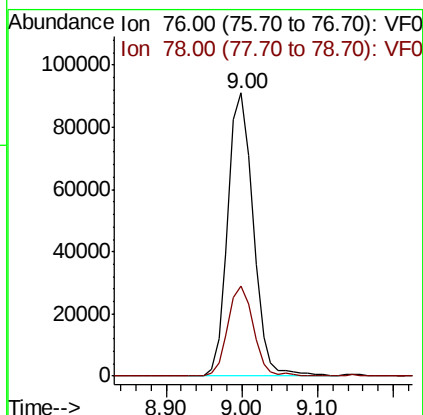
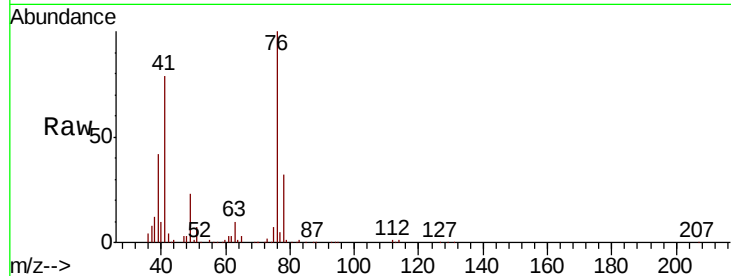




#57
 1,3-Dichloropropane
 Concen: 100.050 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

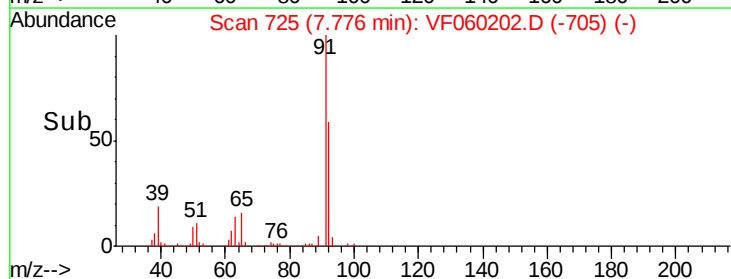
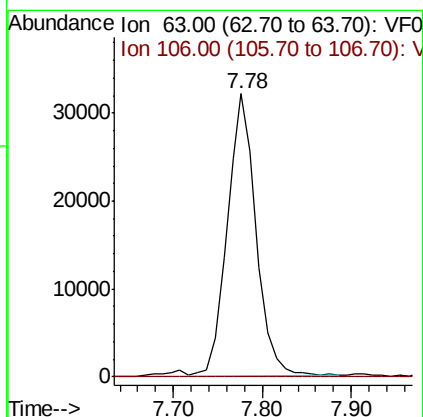
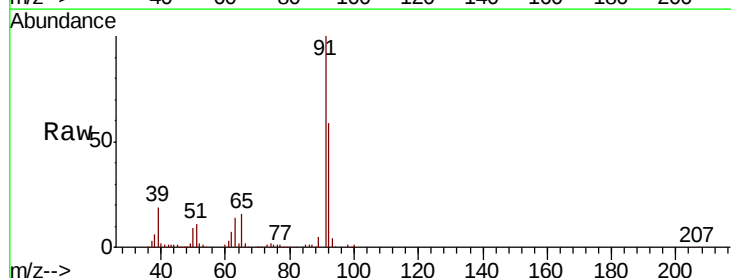
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

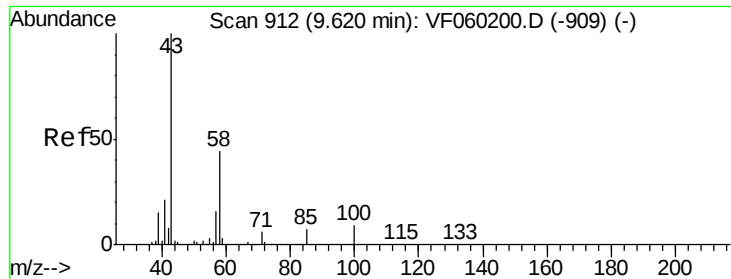
Tgt Ion: 76 Resp: 212643
 Ion Ratio Lower Upper
 76 100
 78 31.7 22.8 34.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 501.106 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion: 63 Resp: 72608
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

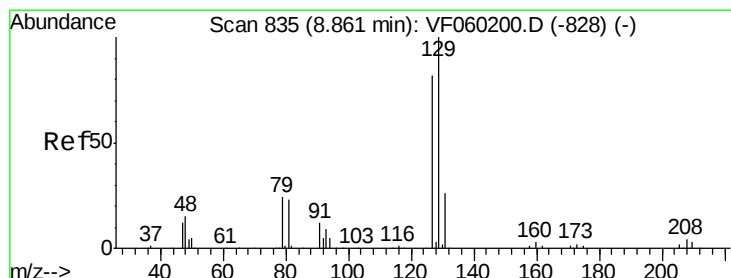
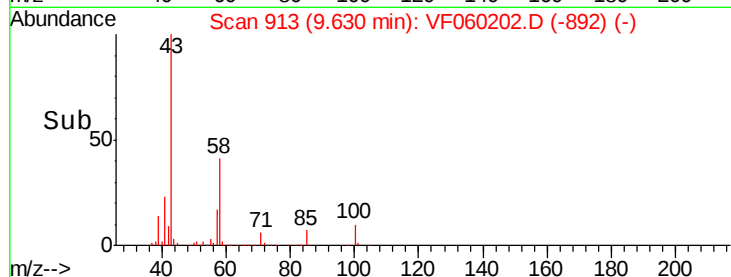
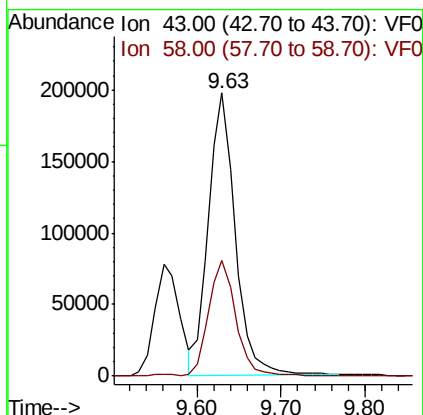
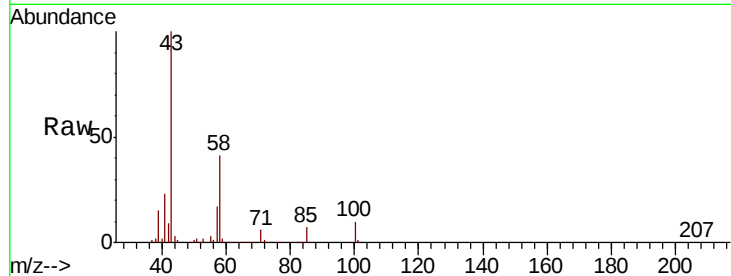




#59
2-Hexanone
Concen: 473.712 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

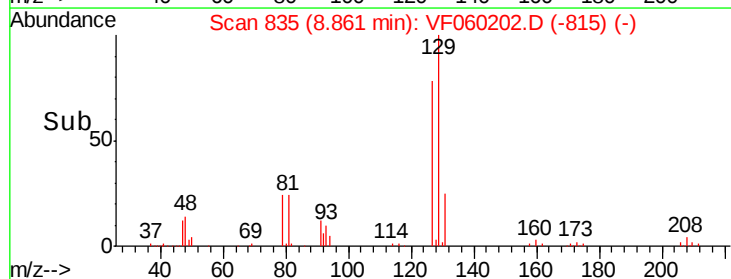
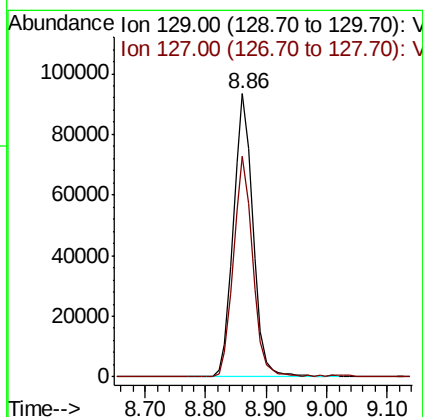
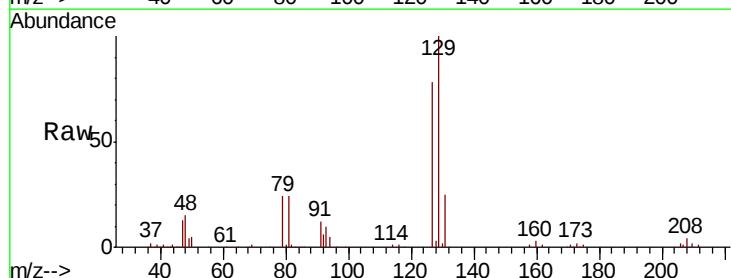
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

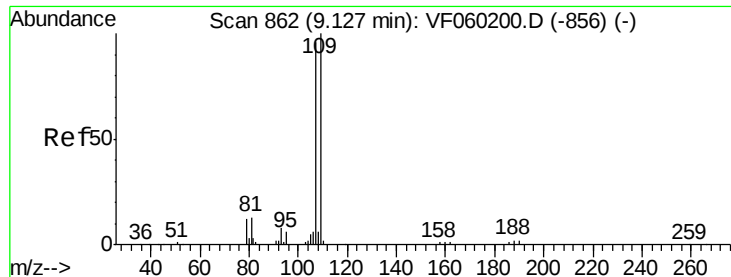
Tgt Ion: 43 Resp: 435111
Ion Ratio Lower Upper
43 100
58 41.1 20.8 62.5



#60
Dibromochloromethane
Concen: 106.087 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 129 Resp: 211068
Ion Ratio Lower Upper
129 100
127 77.8 40.9 122.8





#61

1,2-Dibromoethane

Concen: 103.912 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

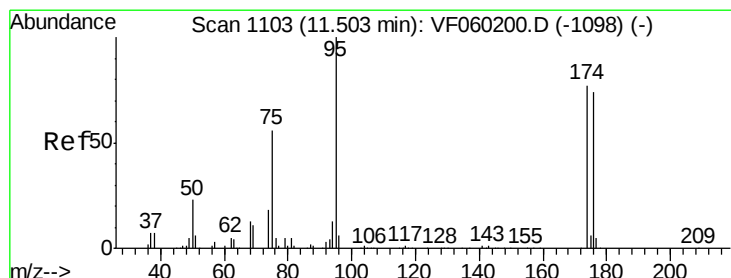
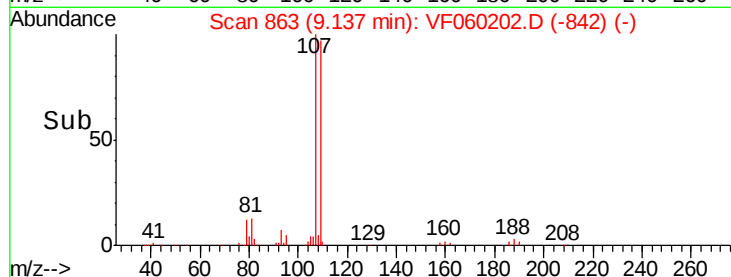
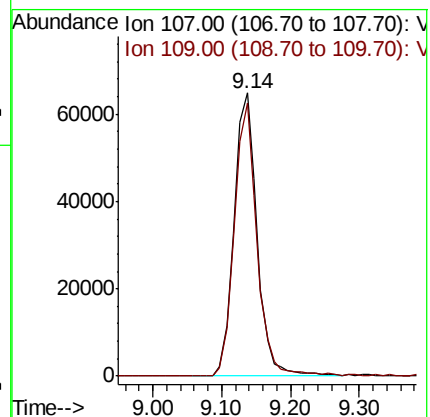
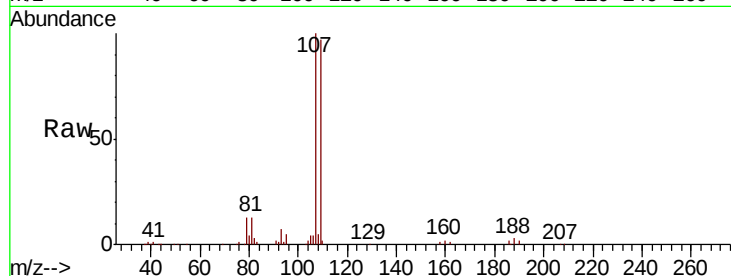
VSTDIC100

Tgt Ion: 107 Resp: 149651

Ion Ratio Lower Upper

107 100

109 96.5 83.0 124.4



#62

4-Bromofluorobenzene

Concen: 99.760 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

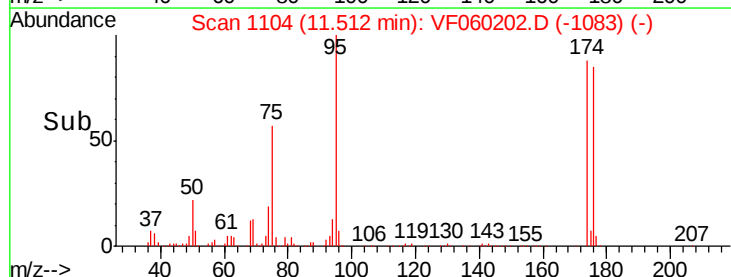
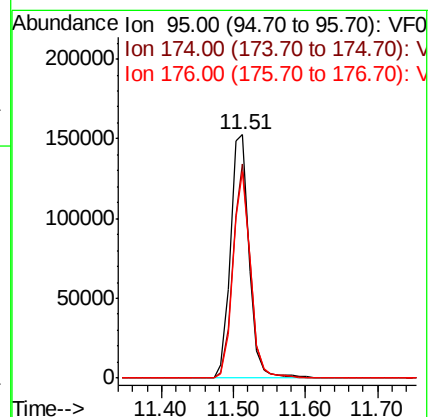
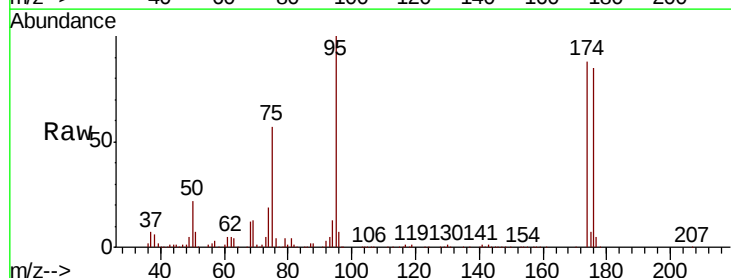
Tgt Ion: 95 Resp: 275166

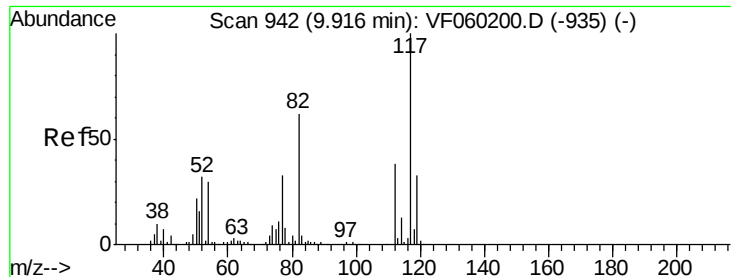
Ion Ratio Lower Upper

95 100

174 88.2 0.0 153.2

176 84.8 0.0 147.2

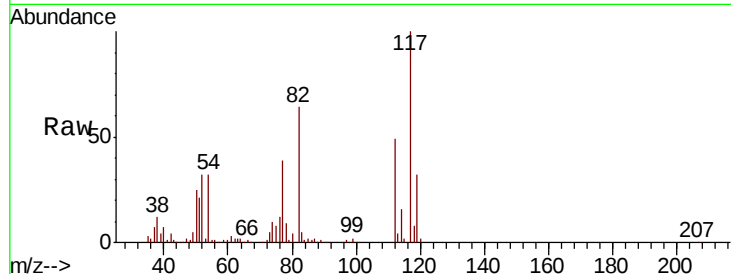




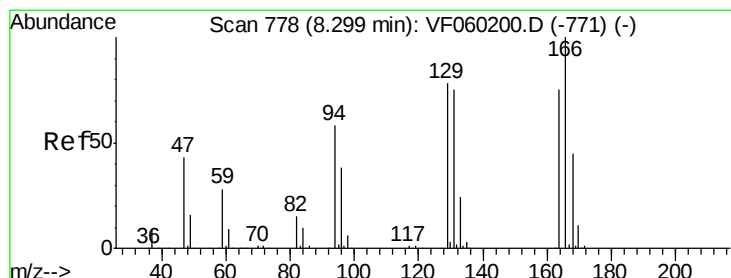
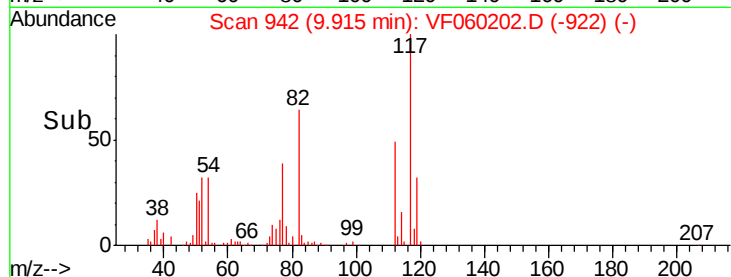
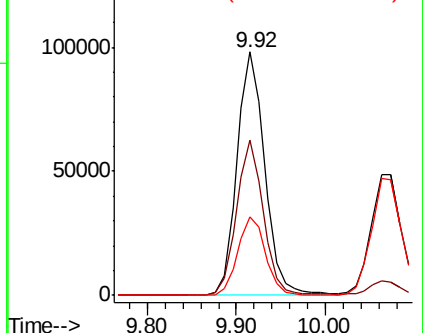
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 213872
Ion Ratio Lower Upper
117 100
82 63.6 49.3 73.9
119 32.2 26.5 39.7

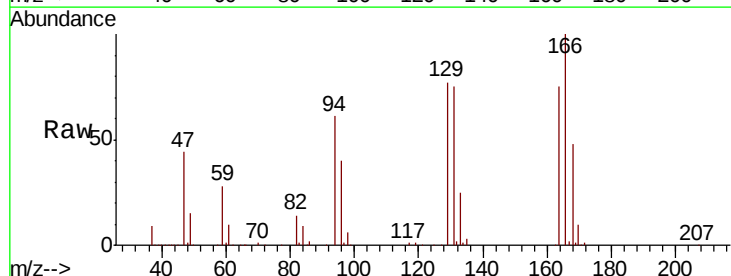


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

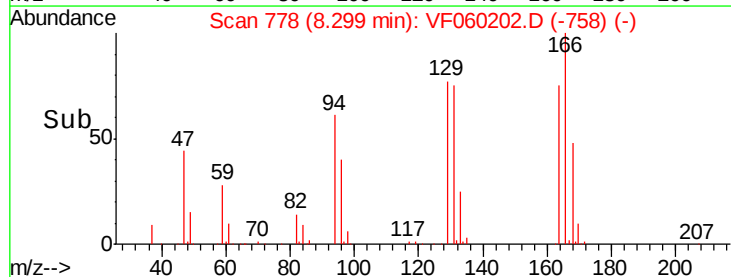
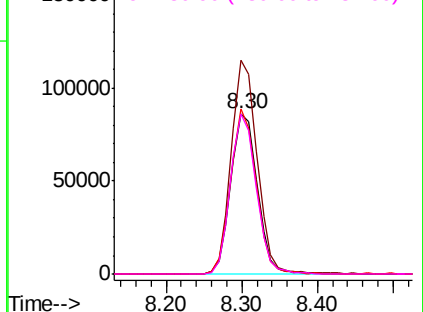


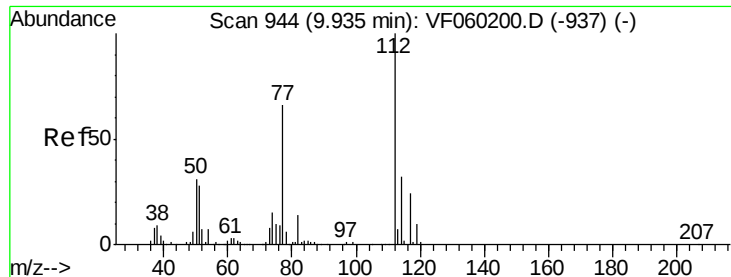
#64
Tetrachloroethene
Concen: 84.010 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion:164 Resp: 209000
Ion Ratio Lower Upper
164 100
166 133.2 107.0 160.4
129 103.1 83.0 124.6
131 99.9 79.8 119.8



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

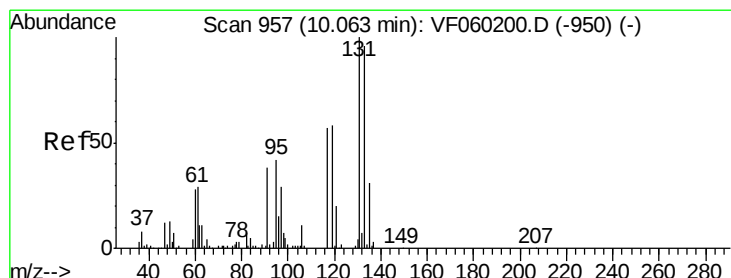
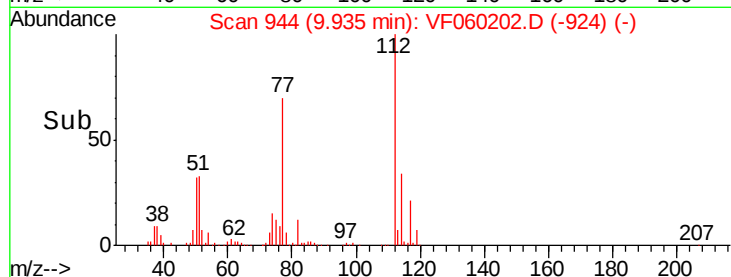
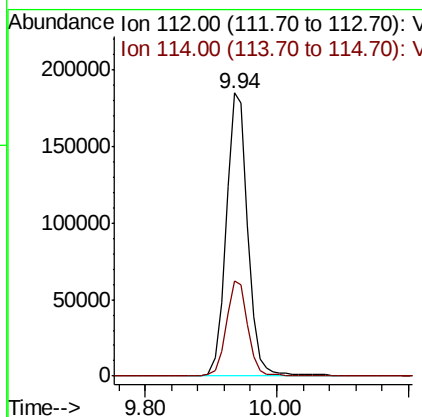
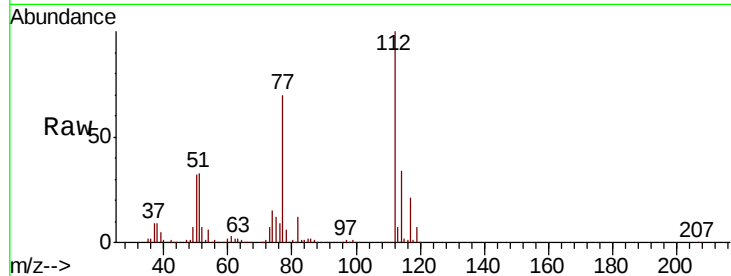




#65
Chlorobenzene
Concen: 96.435 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

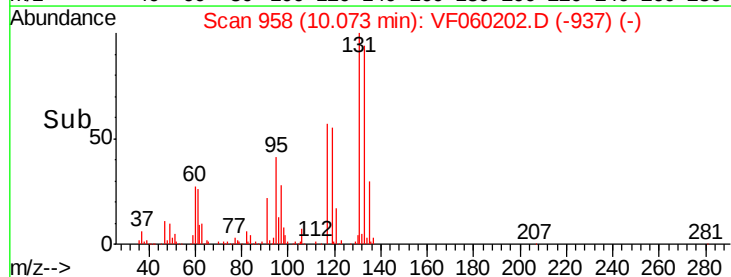
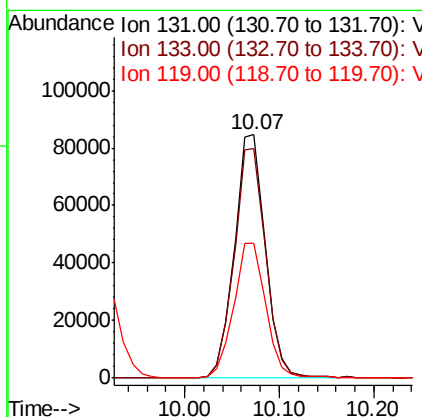
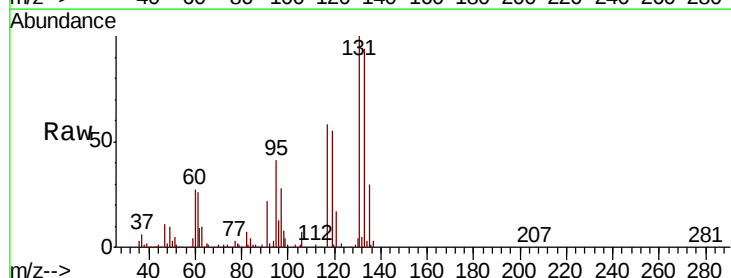
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

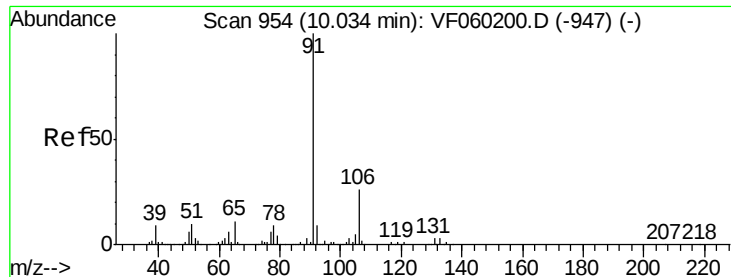
Tgt Ion:112 Resp: 425054
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 98.818 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion:131 Resp: 192196
Ion Ratio Lower Upper
131 100
133 94.4 47.9 143.8
119 55.2 29.0 87.0





#67

Ethyl Benzene

Concen: 98.654 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

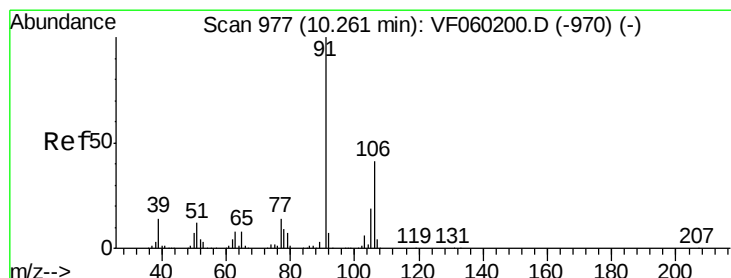
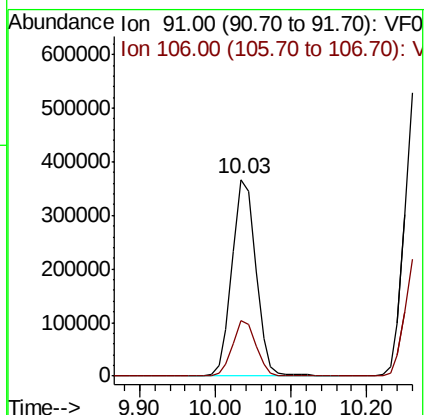
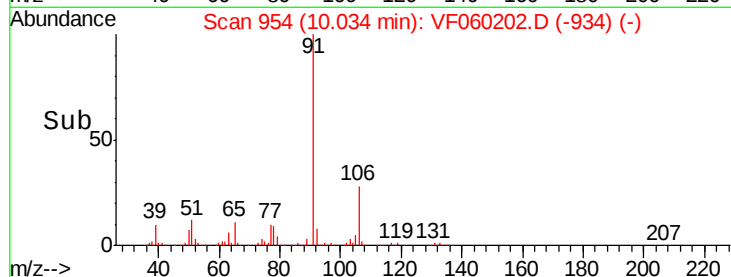
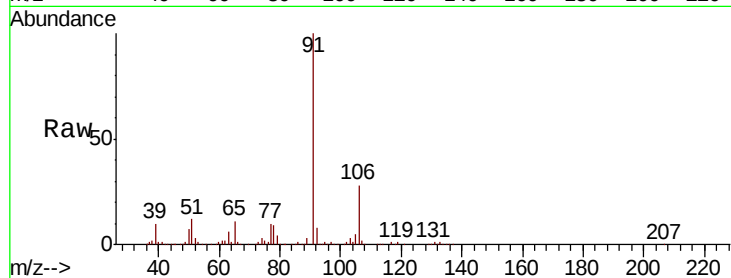
VSTDIC100

Tgt Ion: 91 Resp: 806431

Ion Ratio Lower Upper

91 100

106 27.9 21.1 31.7



#68

m/p-Xylenes

Concen: 192.667 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060202.D

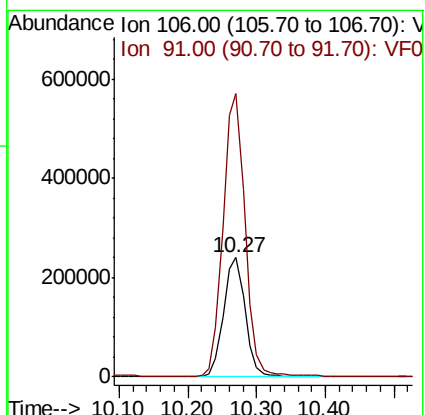
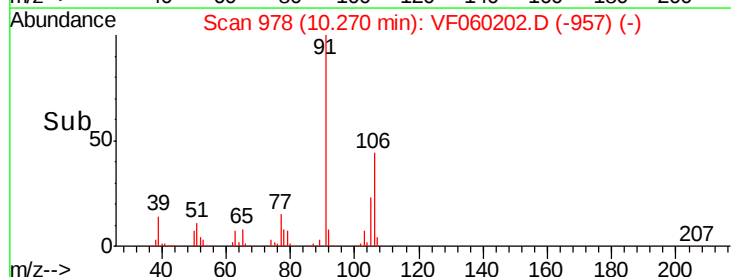
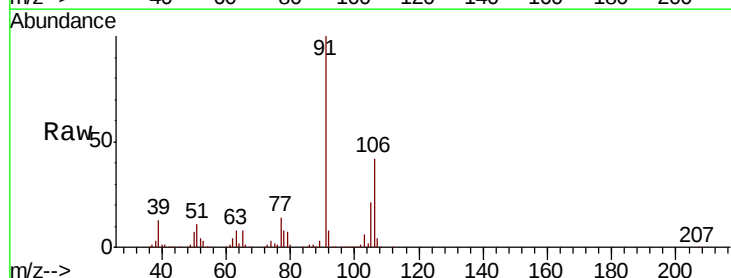
Acq: 6 Sep 2018 14:06

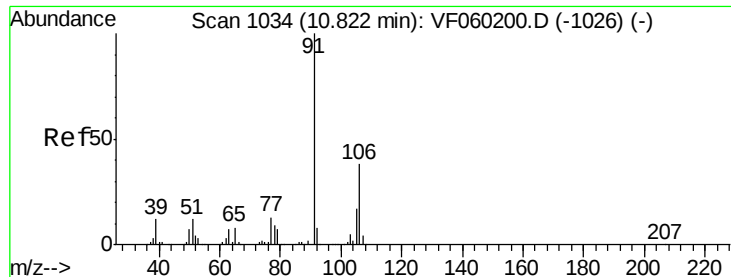
Tgt Ion: 106 Resp: 527757

Ion Ratio Lower Upper

106 100

91 237.5 194.6 291.8

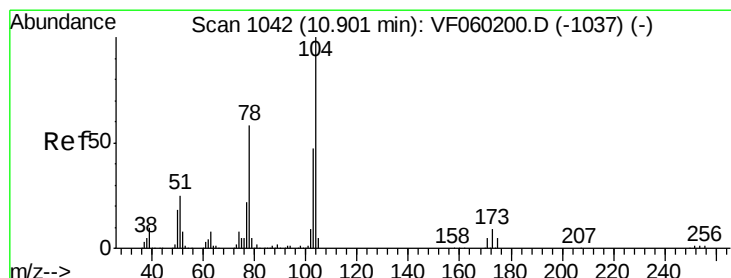
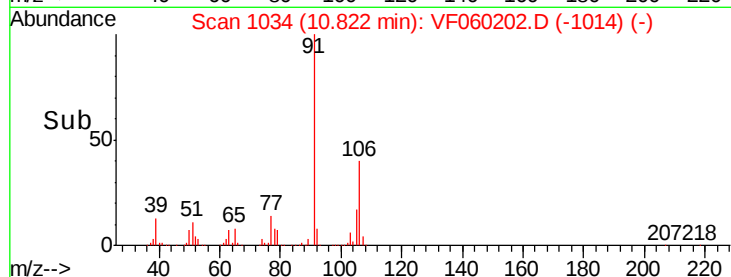
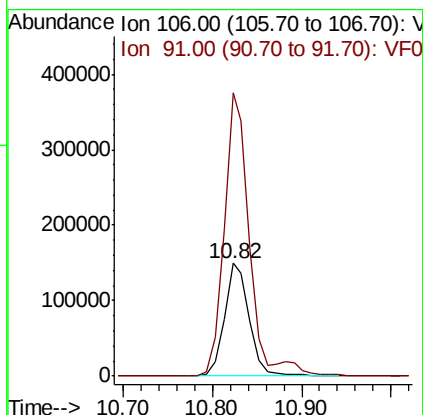
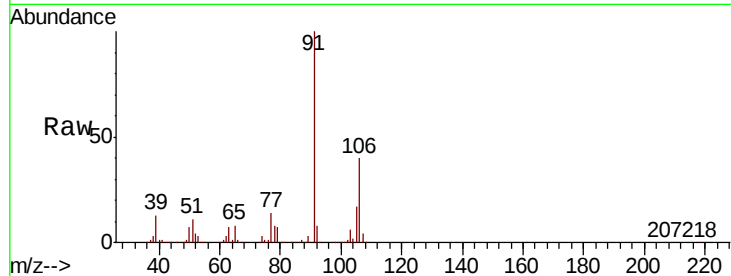




#69
o-Xylene
Concen: 99.410 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

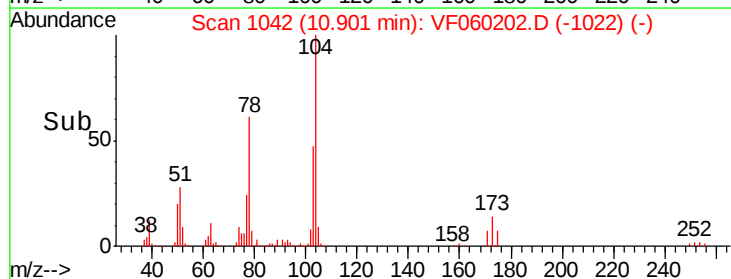
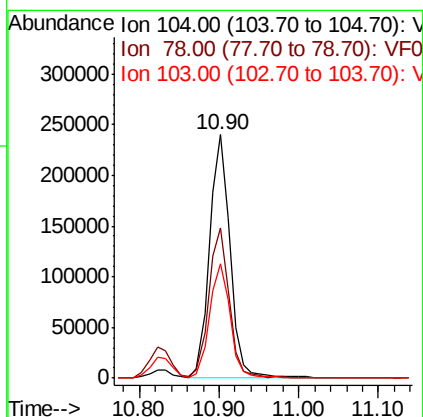
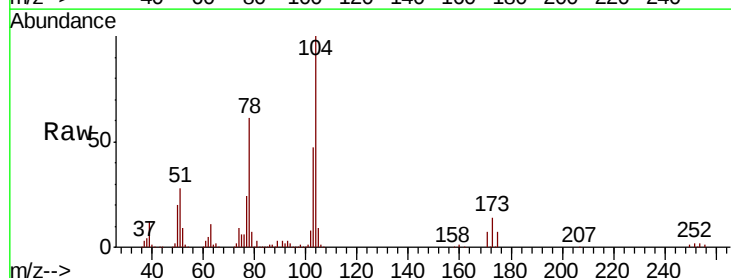
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

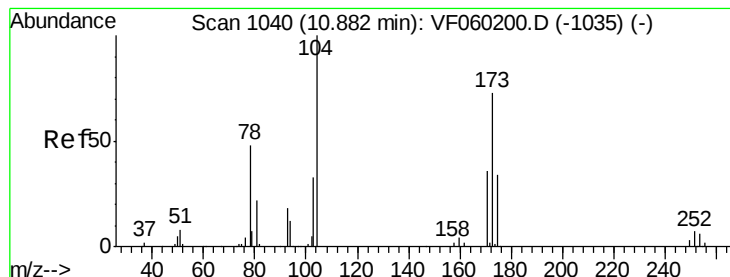
Tgt Ion:106 Resp: 292230
Ion Ratio Lower Upper
106 100
91 251.3 130.5 391.5



#70
Styrene
Concen: 97.606 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion:104 Resp: 433982
Ion Ratio Lower Upper
104 100
78 61.5 47.1 70.7
103 47.0 38.6 57.8





#71

Bromoform

Concen: 107.709 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

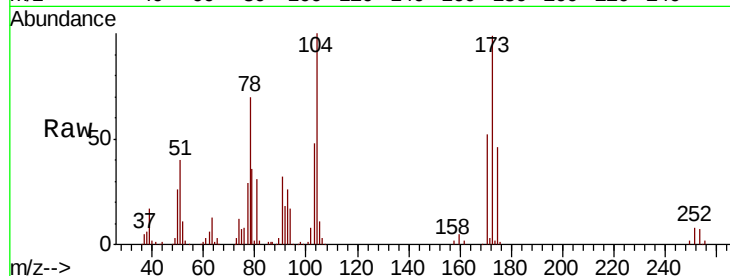
Tgt Ion:173 Resp: 122352

Ion Ratio Lower Upper

173 100

175 46.2 23.1 69.3

254 0.2 0.2 0.4#

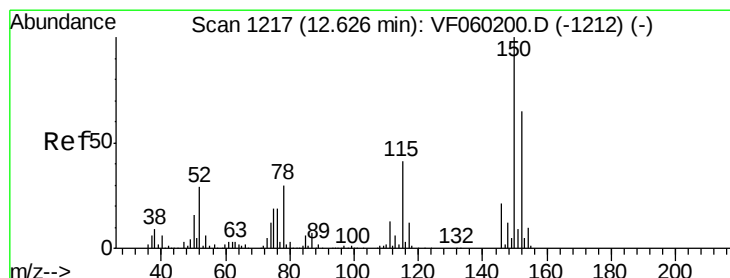
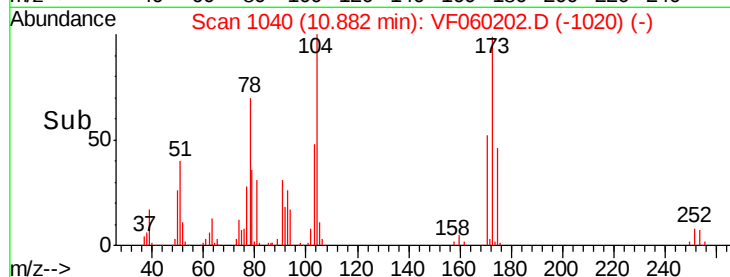
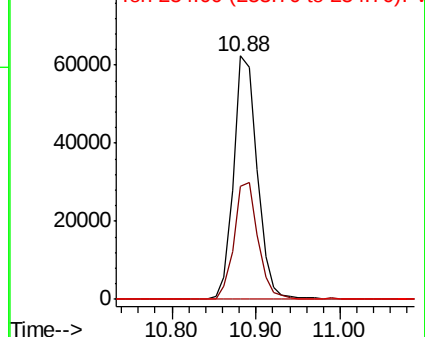


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

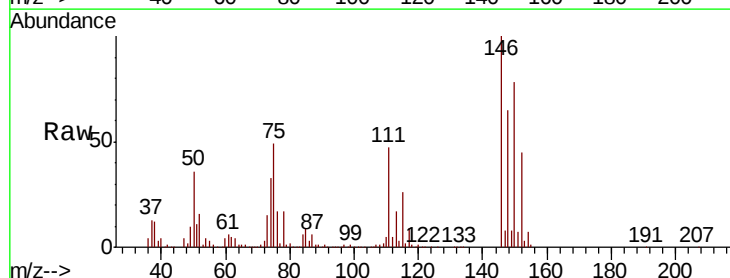
Tgt Ion:152 Resp: 139640

Ion Ratio Lower Upper

152 100

115 58.0 31.5 94.5

150 175.8 0.0 310.4

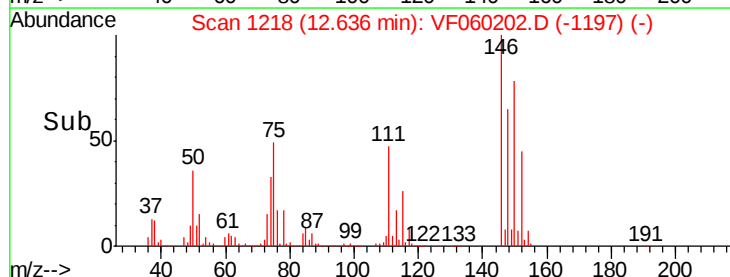
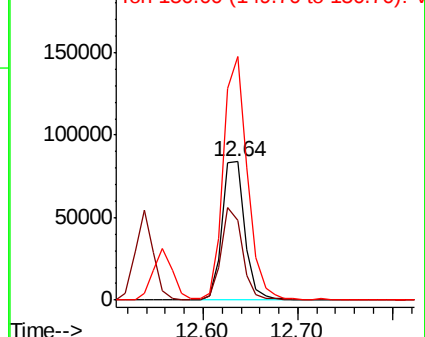


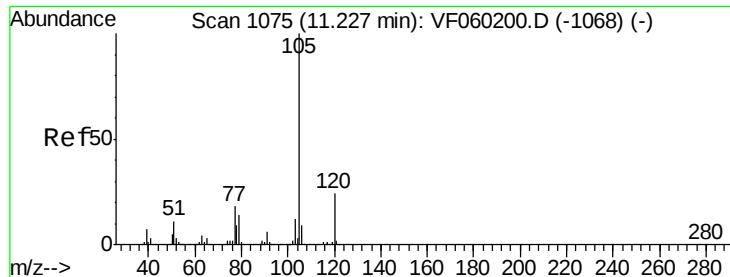
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 94.696 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

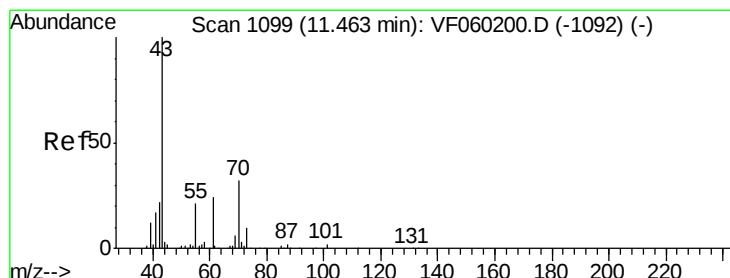
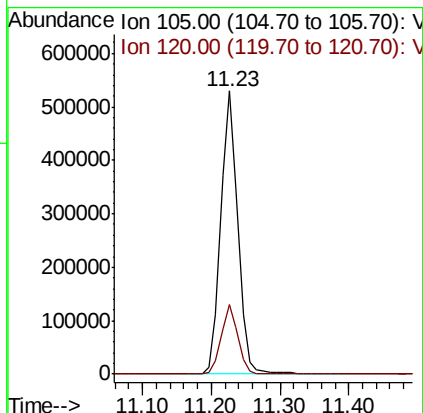
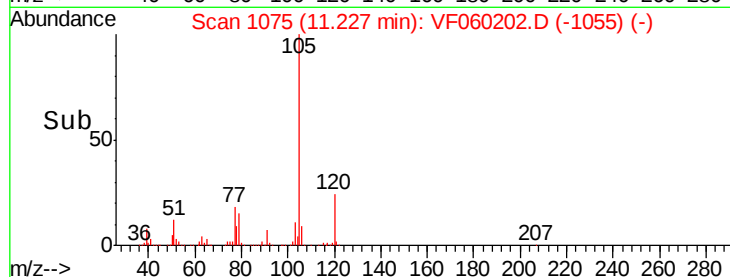
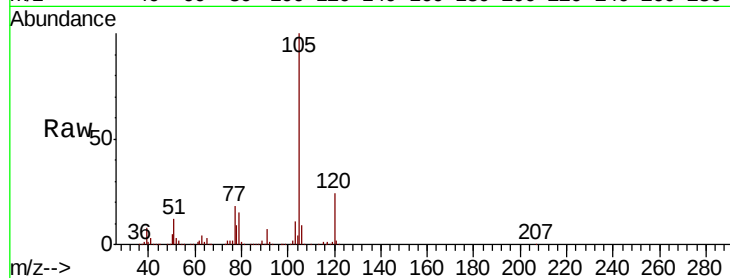
VSTDIC100

Tgt Ion: 105 Resp: 911903

Ion Ratio Lower Upper

105 100

120 24.5 11.8 35.3



#74

N-ethyl acetate

Concen: 126.761 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Tgt Ion: 43 Resp: 203166

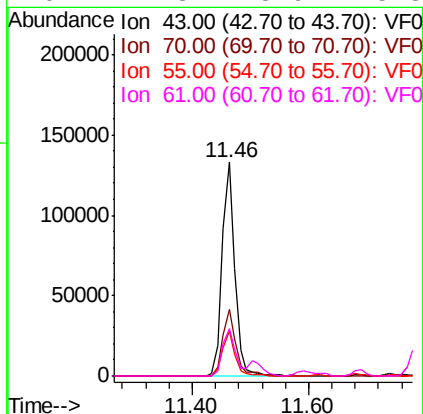
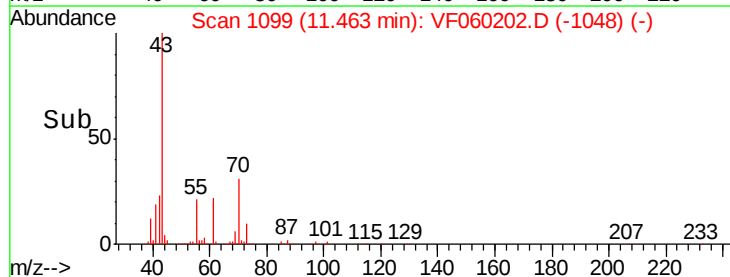
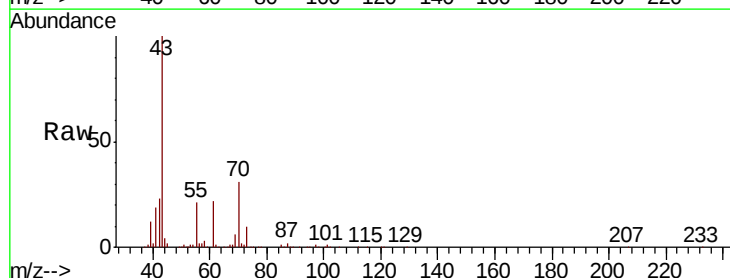
Ion Ratio Lower Upper

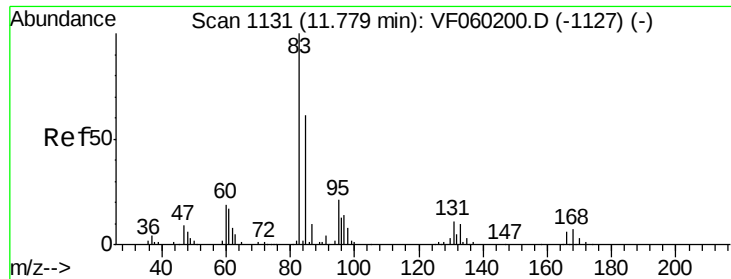
43 100

70 31.3 25.8 38.6

55 20.8 16.8 25.2

61 22.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 96.415 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

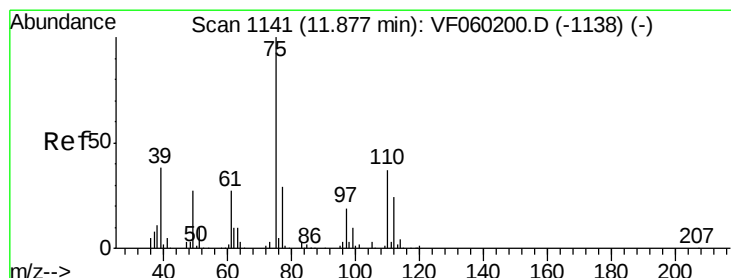
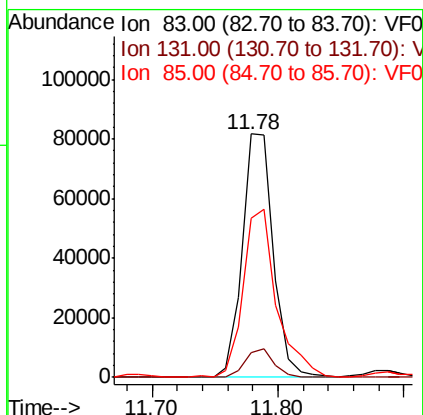
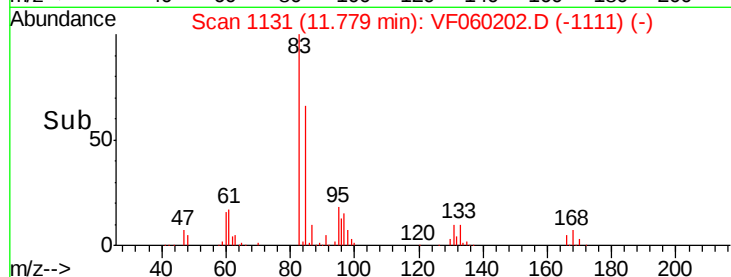
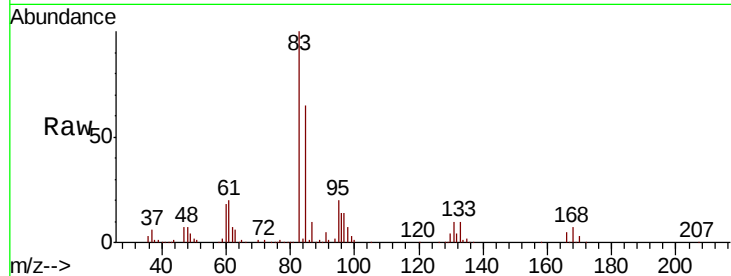
Tgt Ion: 83 Resp: 139449

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

85 65.5 31.1 93.5



#76

1,2,3-Trichloropropane

Concen: 87.306 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060202.D

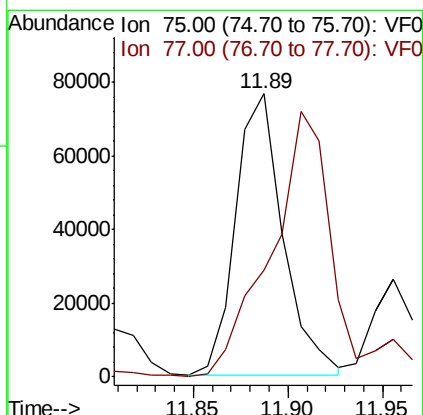
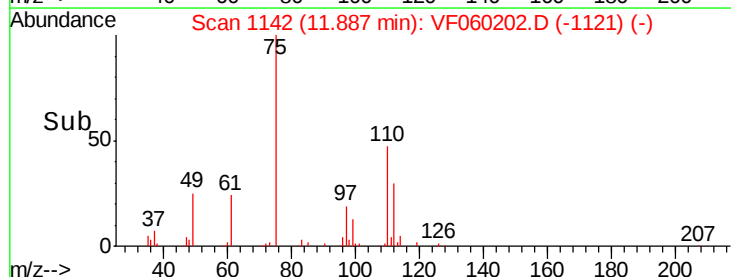
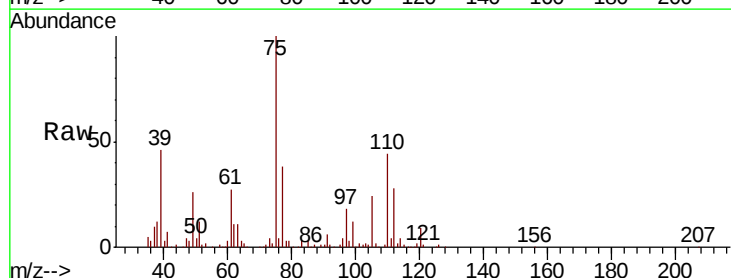
Acq: 6 Sep 2018 14:06

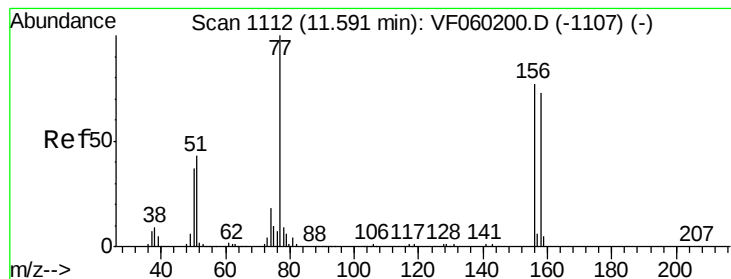
Tgt Ion: 75 Resp: 133557

Ion Ratio Lower Upper

75 100

77 37.7 14.6 43.8





#77

Bromobenzene

Concen: 94.290 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060202.D

Acq: 6 Sep 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

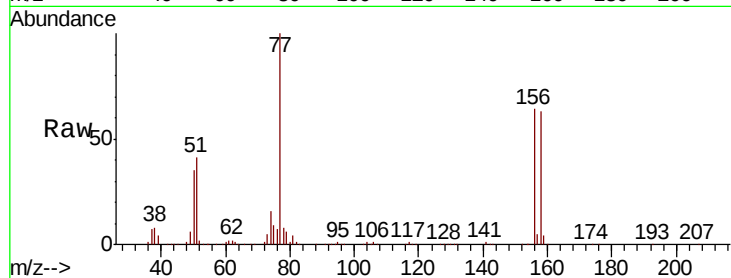
Tgt Ion:156 Resp: 236892

Ion Ratio Lower Upper

156 100

77 155.4 64.8 194.3

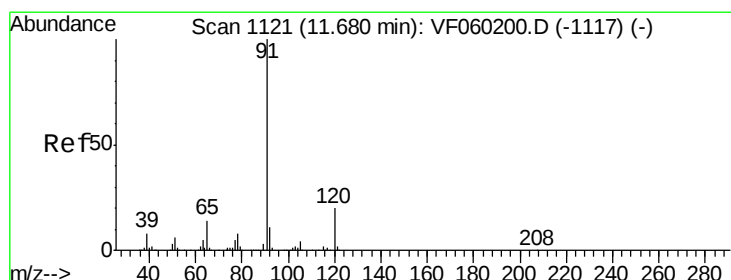
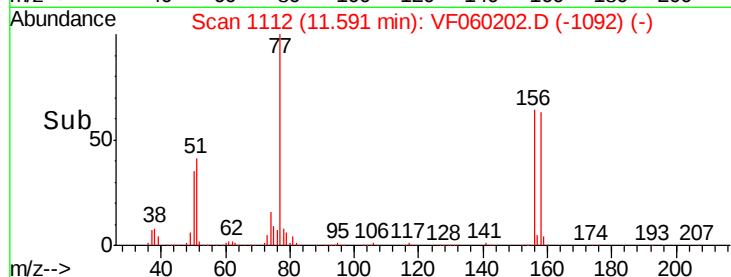
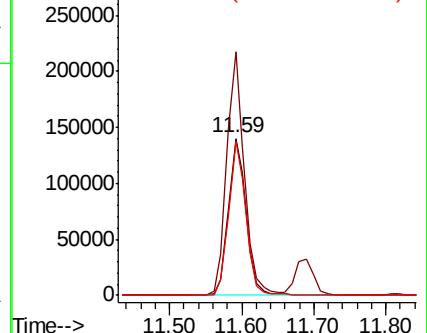
158 98.6 47.3 141.8



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: 91.968 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060202.D

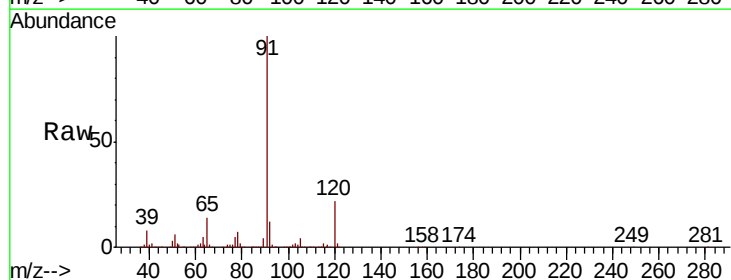
Acq: 6 Sep 2018 14:06

Tgt Ion: 91 Resp: 1056936

Ion Ratio Lower Upper

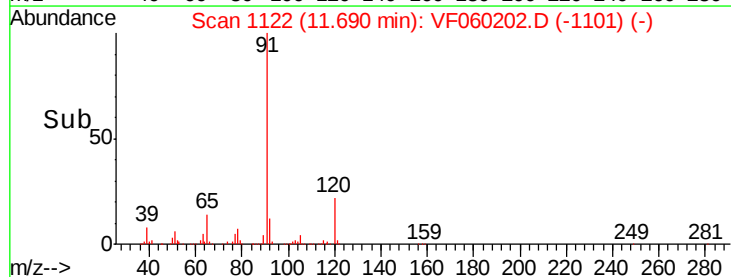
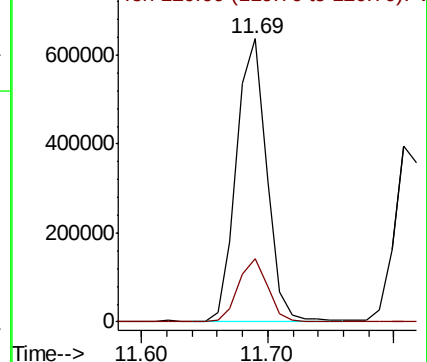
91 100

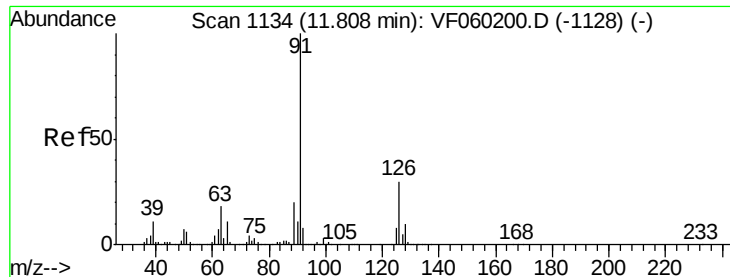
120 22.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

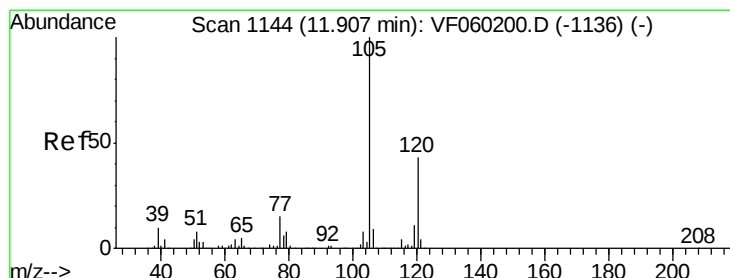
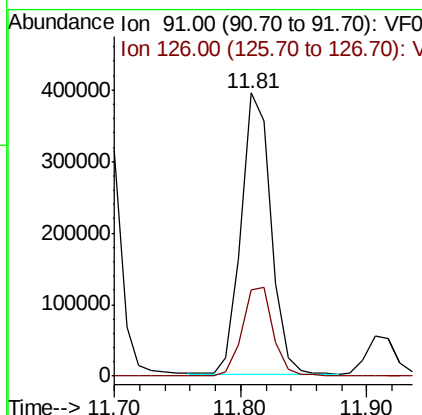
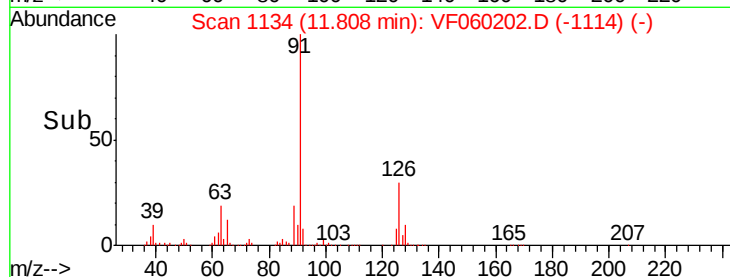
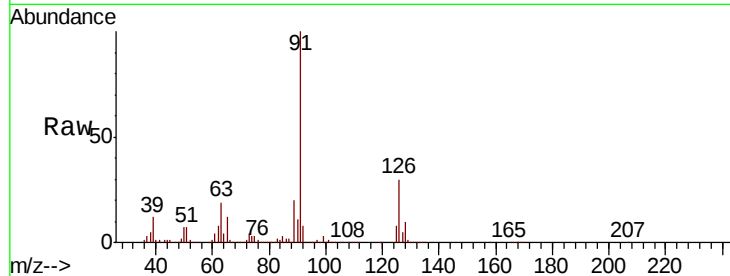




#79
 2-Chlorotoluene
 Concen: 93.104 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

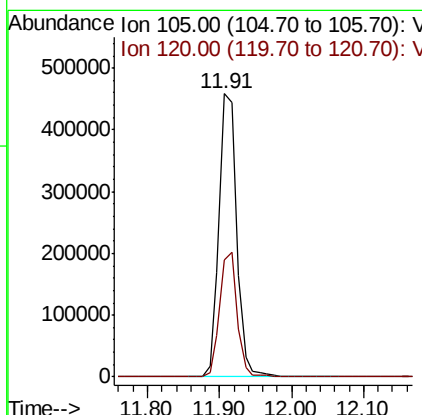
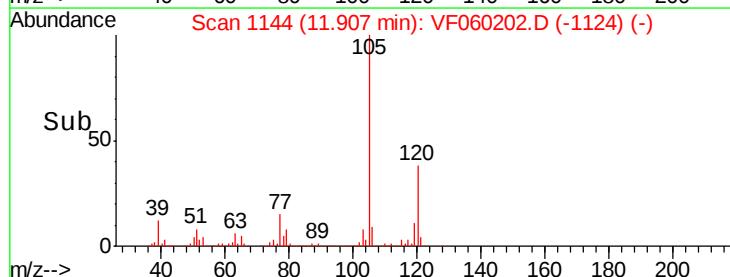
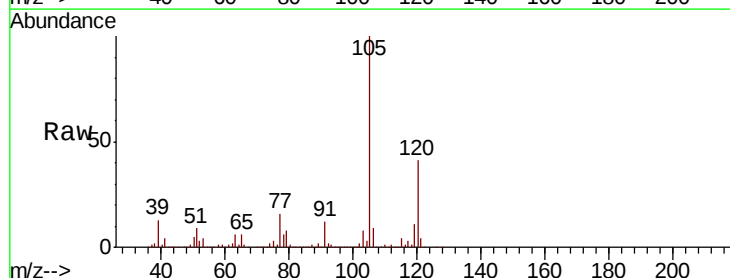
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

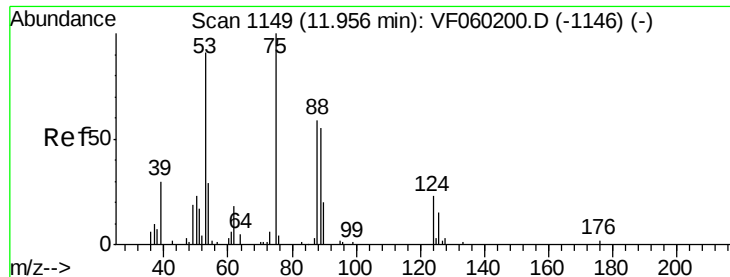
Tgt Ion: 91 Resp: 647242
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 91.541 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion: 105 Resp: 776227
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.6 64.8

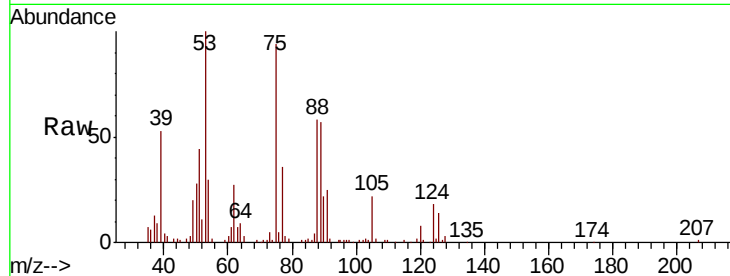




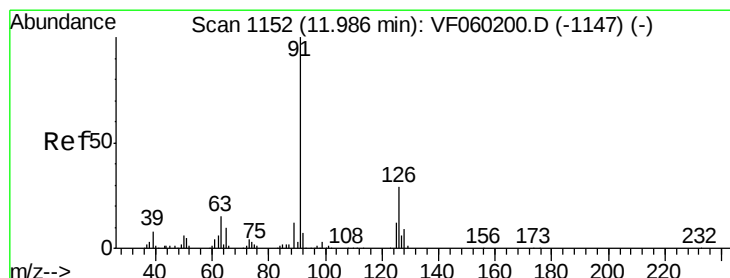
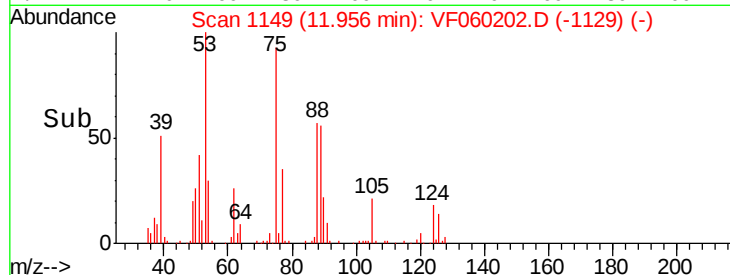
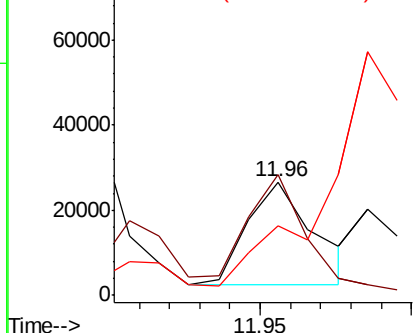
#81
trans-1,4-Dichloro-2-butene
Concen: 74.824 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 36935
Ion Ratio Lower Upper
75 100
53 106.8 76.5 114.7
89 61.0 46.5 69.7

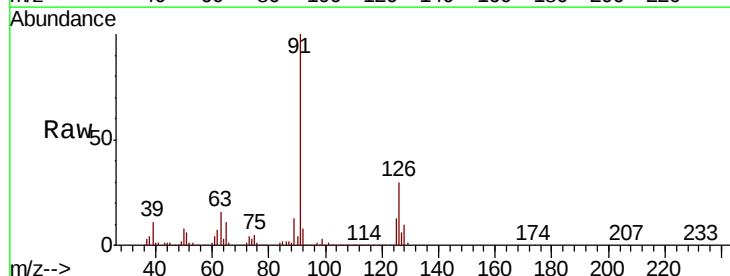


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

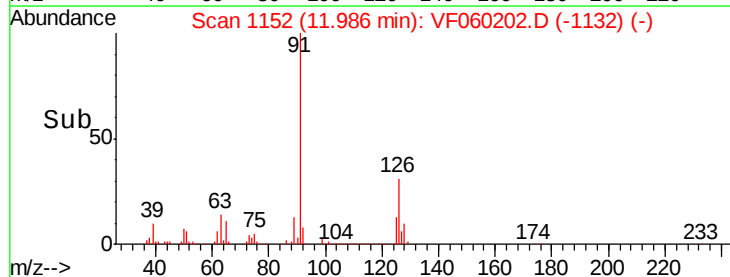
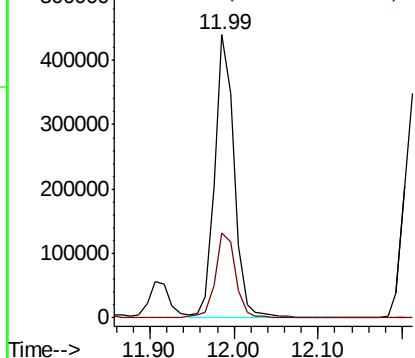


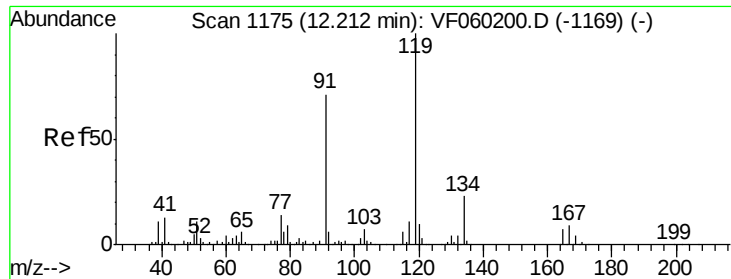
#82
4-Chlorotoluene
Concen: 91.097 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 91 Resp: 702097
Ion Ratio Lower Upper
91 100
126 30.0 14.4 43.4



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

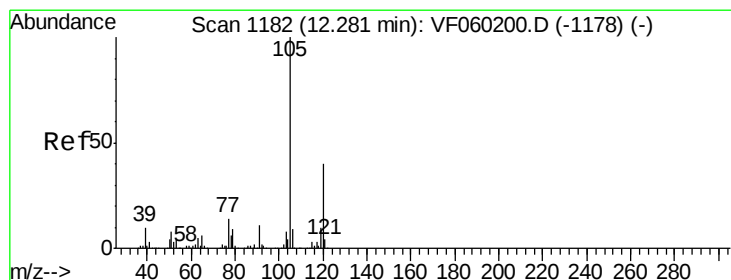
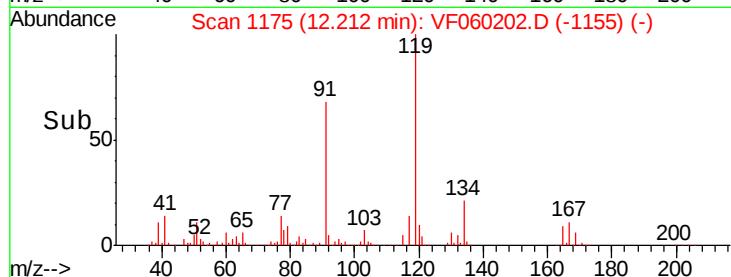
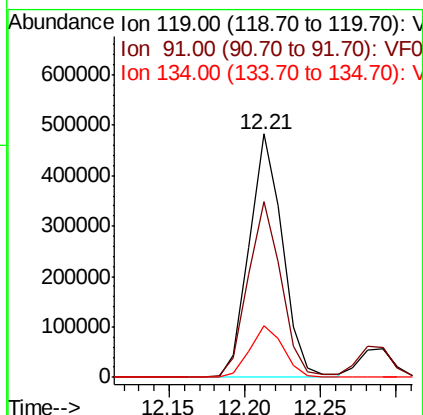
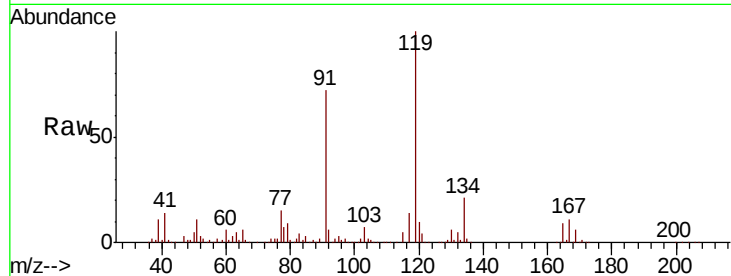




#83
 tert-Butylbenzene
 Concen: 96.938 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

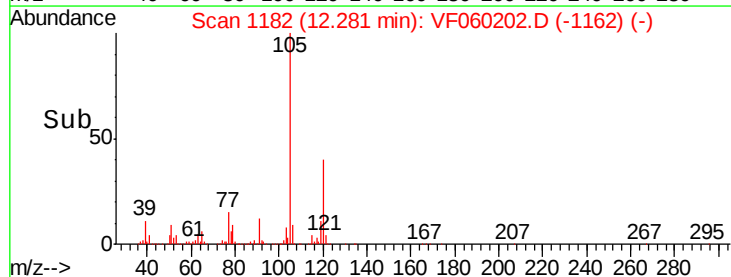
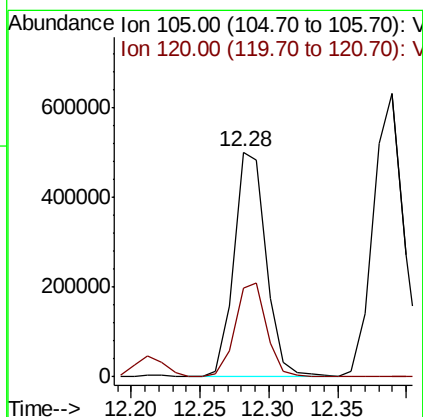
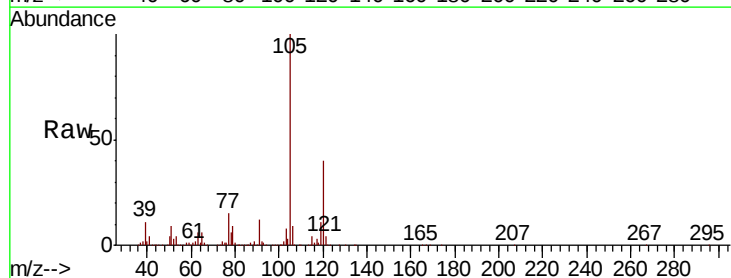
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

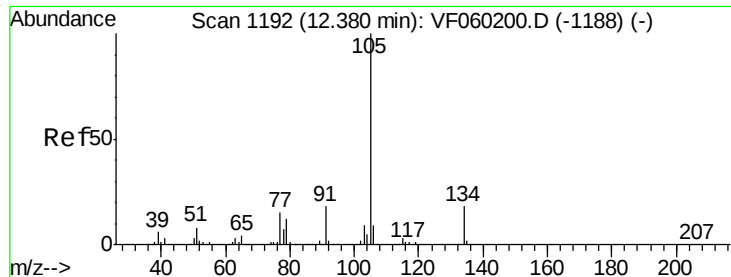
Tgt Ion:119 Resp: 744728
 Ion Ratio Lower Upper
 119 100
 91 72.0 35.8 107.4
 134 21.2 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 94.730 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion:105 Resp: 818668
 Ion Ratio Lower Upper
 105 100
 120 39.7 20.2 60.5

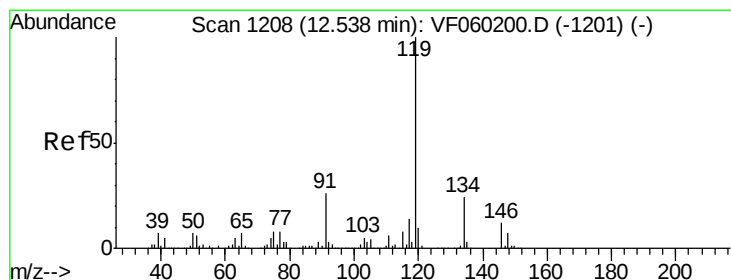
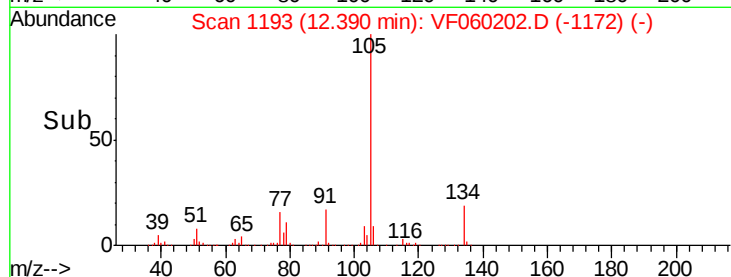
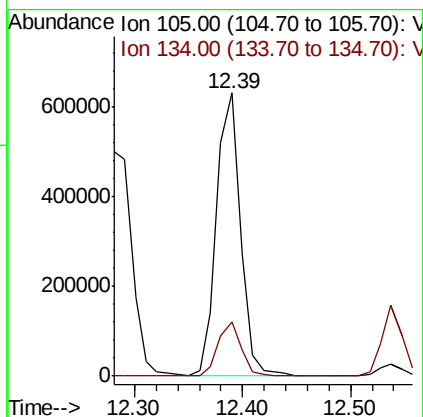
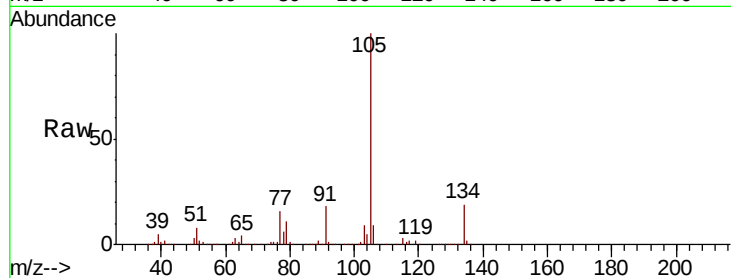




#85
 sec-Butylbenzene
 Concen: 92.602 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

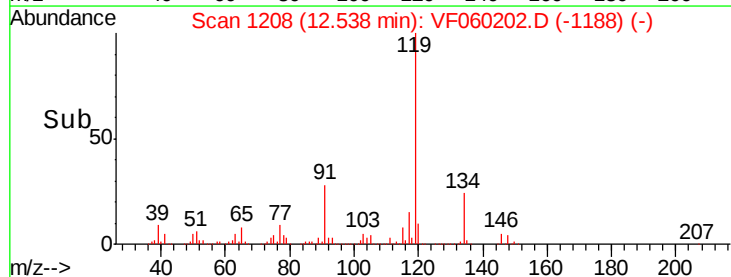
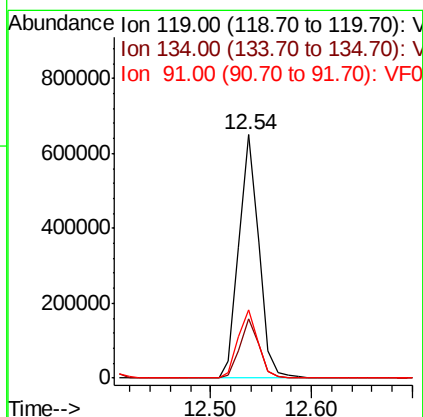
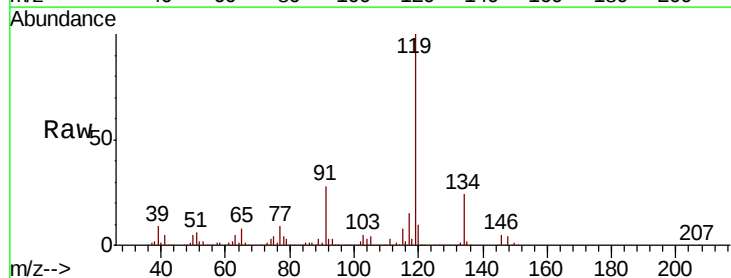
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

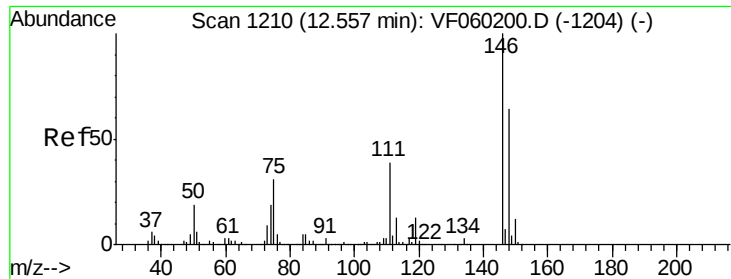
Tgt Ion:105 Resp: 976963
 Ion Ratio Lower Upper
 105 100
 134 19.2 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 95.017 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion:119 Resp: 896844
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.0 36.0
 91 27.9 12.9 38.7

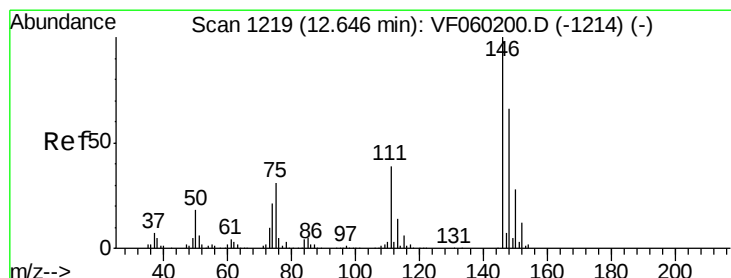
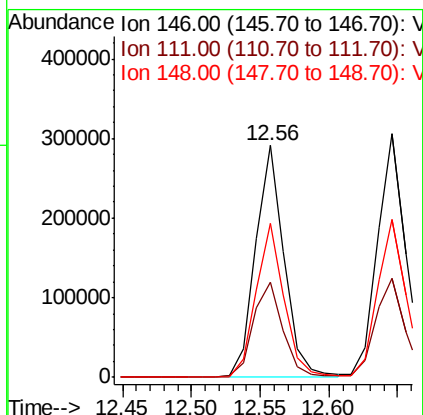
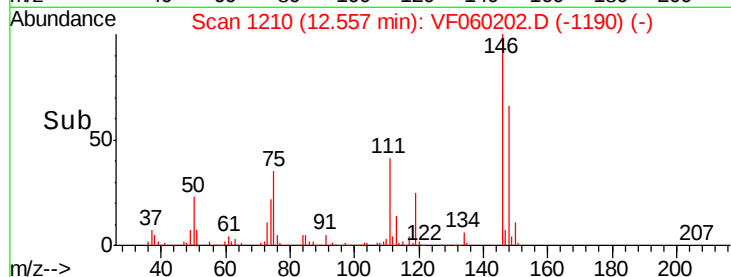
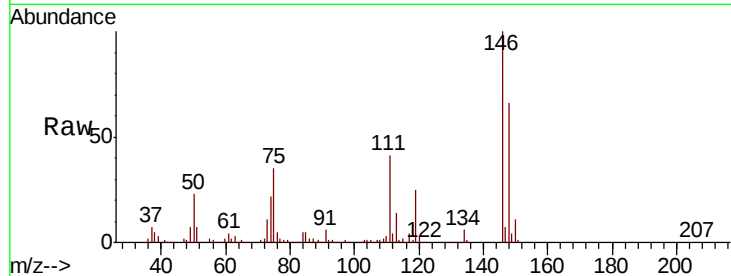




#87
 1,3-Dichlorobenzene
 Concen: 92.430 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

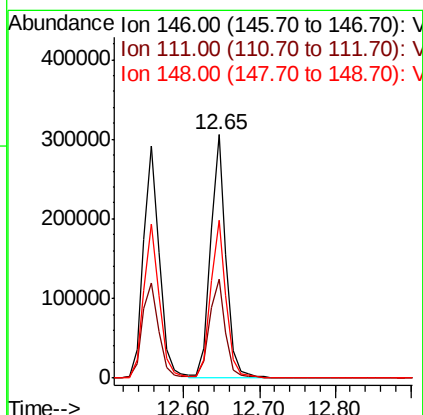
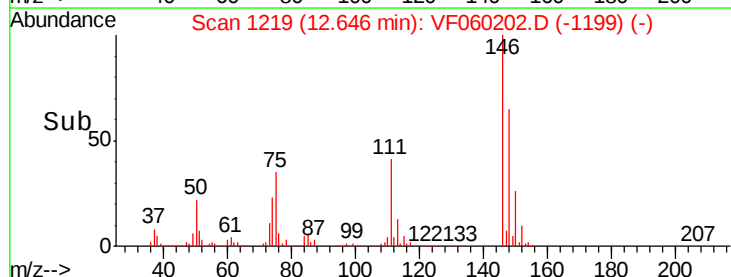
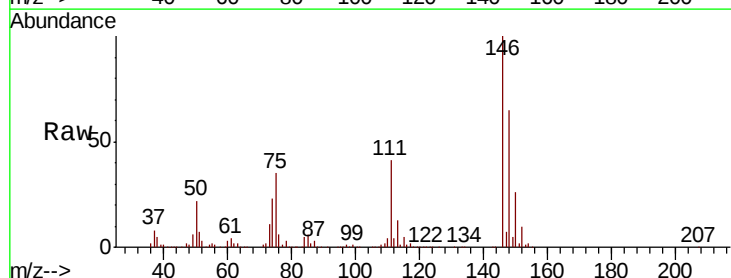
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

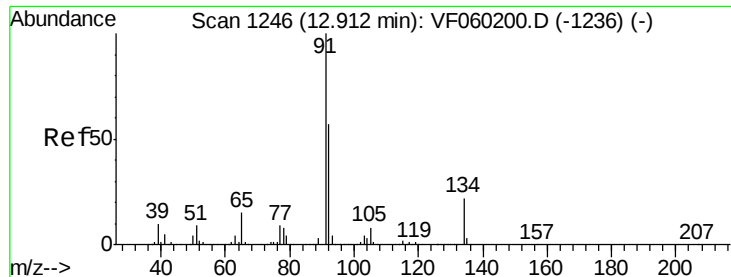
Tgt Ion:146 Resp: 422958
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.7 59.1
 148 66.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 97.644 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion:146 Resp: 441003
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.7 59.1
 148 64.9 33.1 99.5

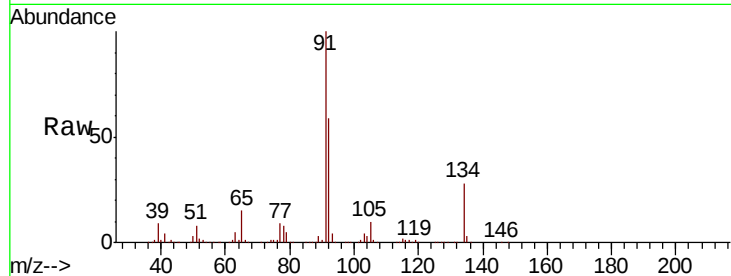




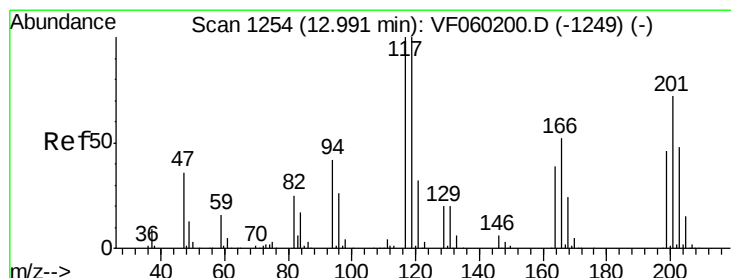
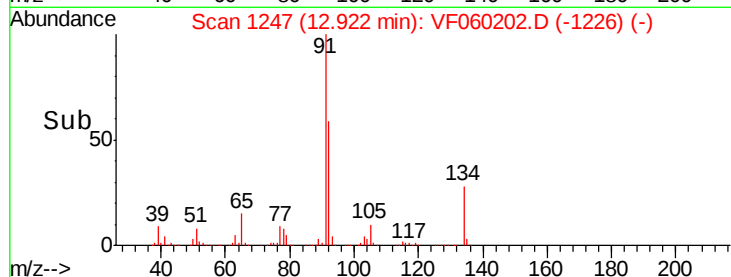
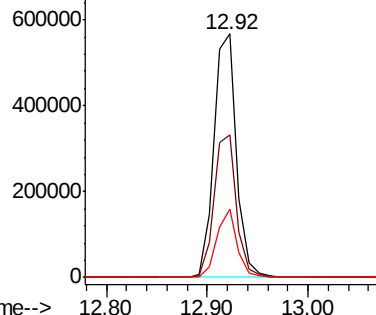
#89
n-Butylbenzene
Concen: 96.842 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 881263
Ion Ratio Lower Upper
91 100
92 58.7 28.4 85.3
134 28.2 11.1 33.3

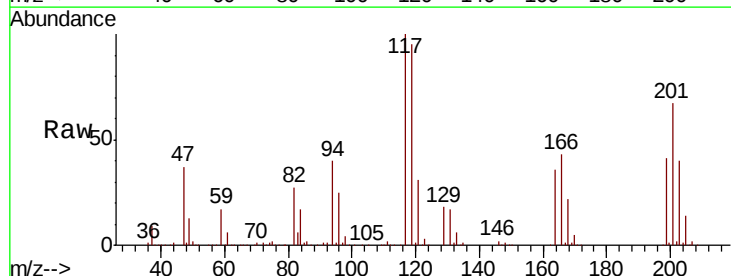


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

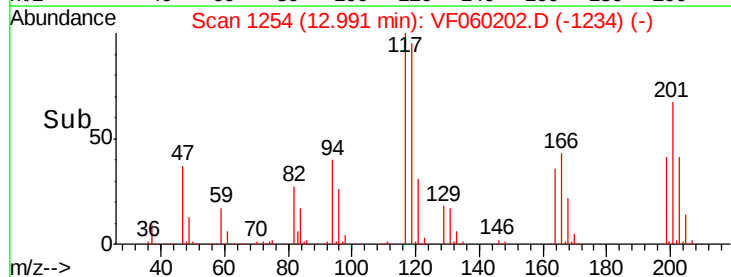
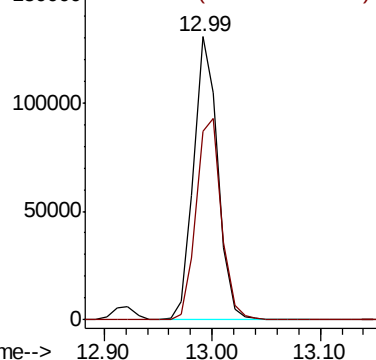


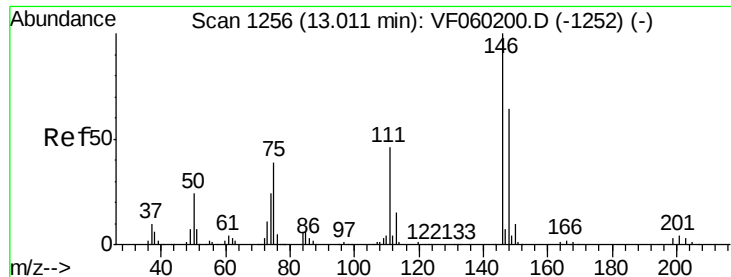
#90
Hexachloroethane
Concen: 105.013 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion: 117 Resp: 201642
Ion Ratio Lower Upper
117 100
201 66.5 35.7 107.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

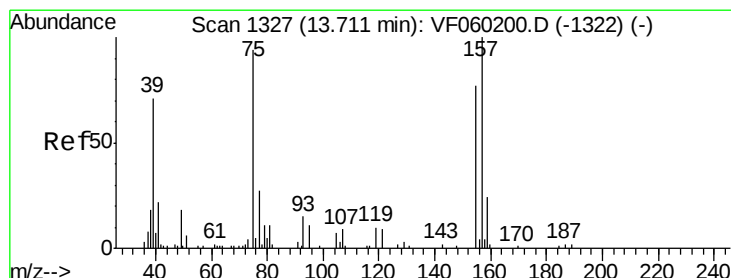
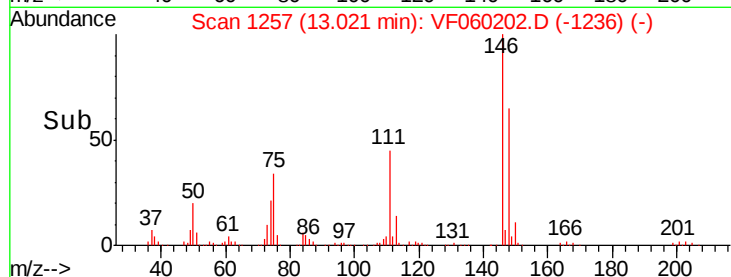
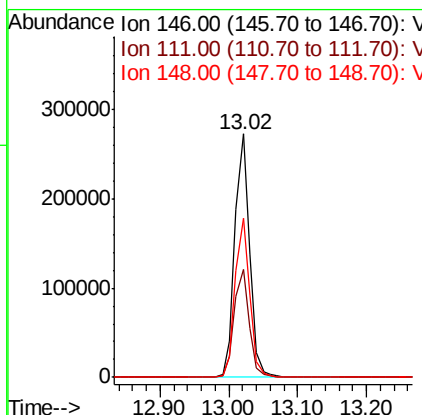
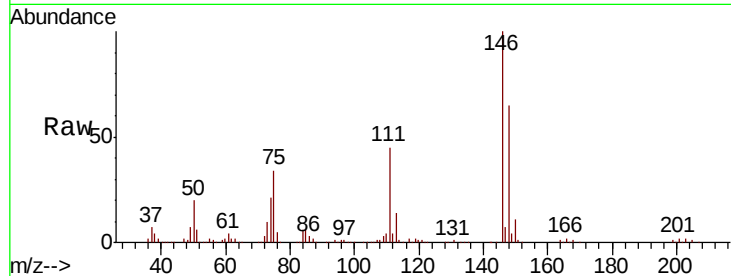




#91
 1,2-Dichlorobenzene
 Concen: 92.553 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

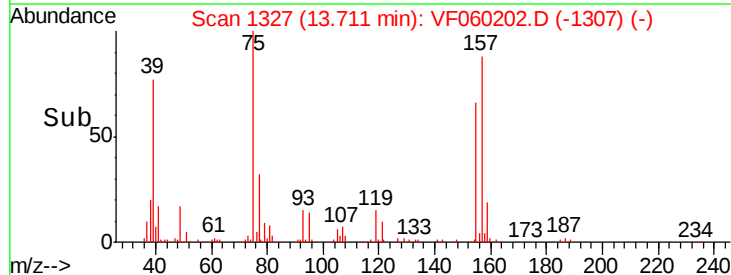
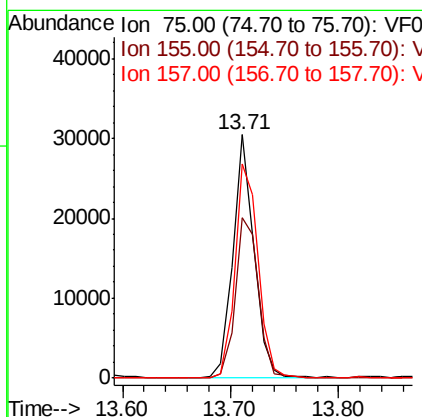
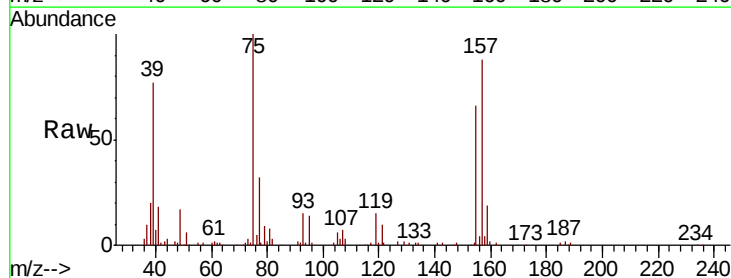
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

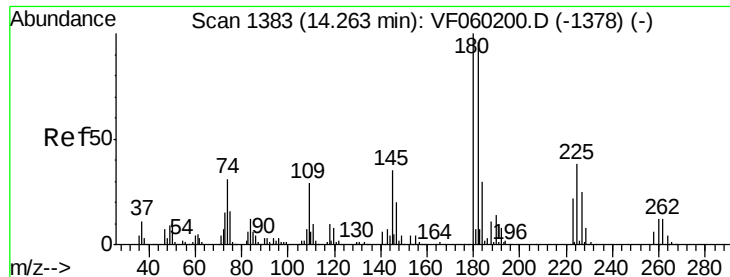
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.0	69.0
148	65.3	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 113.483 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.0	40.8	122.5
157	87.8	53.3	159.9

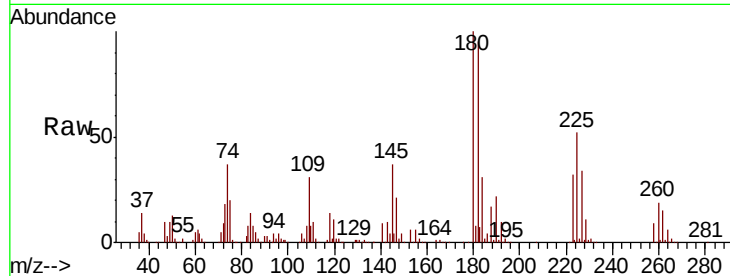




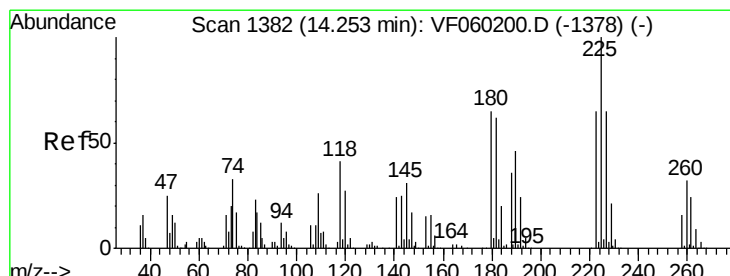
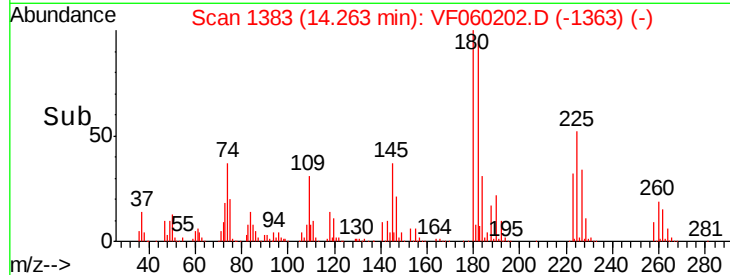
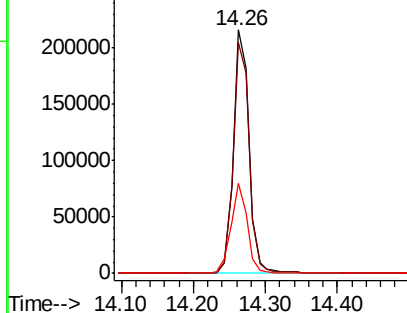
#93
 1,2,4-Trichlorobenzene
 Concen: 97.618 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 328672
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.2 144.6
 145 37.2 17.4 52.2

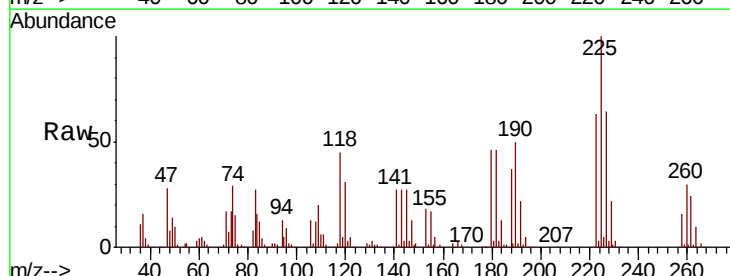


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

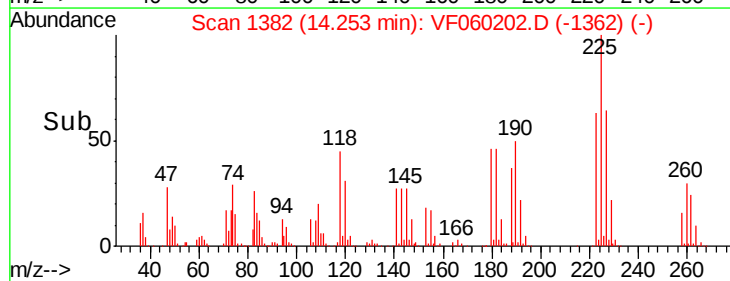
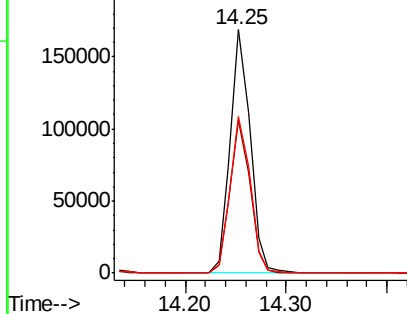


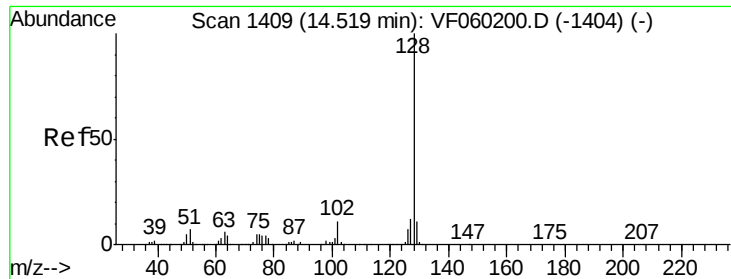
#94
 Hexachlorobutadiene
 Concen: 96.788 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060202.D
 Acq: 6 Sep 2018 14:06

Tgt Ion:225 Resp: 233162
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.3 96.8
 227 64.3 32.4 97.0



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

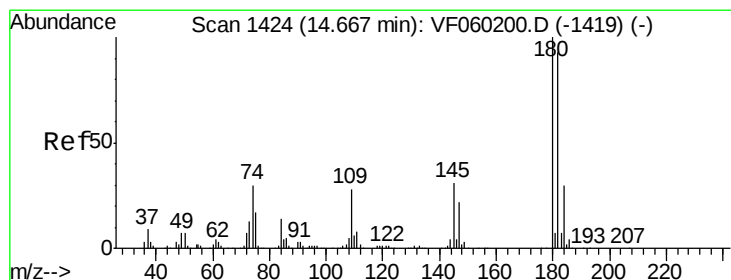
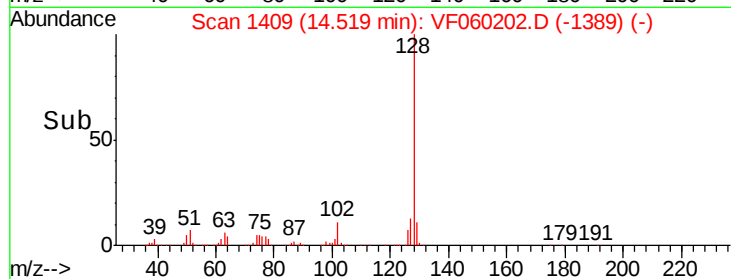
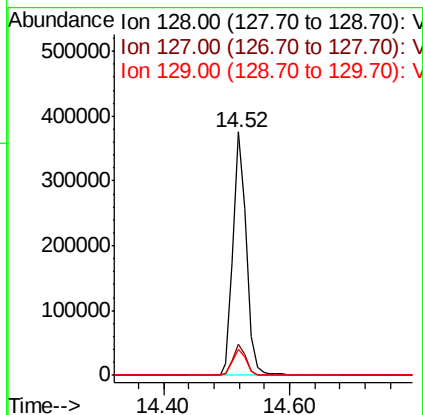
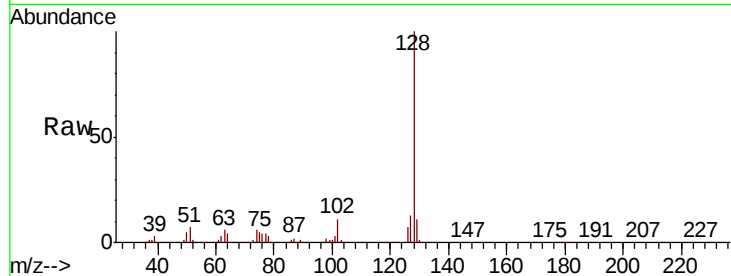




#95
Naphthalene
Concen: 115.233 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 542338
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 102.384 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060202.D
Acq: 6 Sep 2018 14:06

Tgt Ion:180 Resp: 322734
Ion Ratio Lower Upper
180 100
182 96.0 46.6 139.7
145 32.3 15.7 47.0

