

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
 Data File : VF060203.D
 Acq On : 6 Sep 2018 15:56
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Sep 07 02:01:18 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	5.04	168	155927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	221626	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	228242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	146177	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	203209	75.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.00%	
35) Dibromofluoromethane	4.29	113	157943	73.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	146.04%	
50) Toluene-d8	7.71	98	394660	73.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.62%	
62) 4-Bromofluorobenzene	11.51	95	210491	69.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	196923	68.951	ug/l	97
3) Chloromethane	1.07	50	97662	62.245	ug/l	99
4) Vinyl Chloride	1.12	62	88592	74.290	ug/l	100
5) Bromomethane	1.32	94	73937	68.830	ug/l	99
6) Chloroethane	1.40	64	53367	68.682	ug/l	100
7) Trichlorofluoromethane	1.49	101	236809	70.564	ug/l	95
8) Diethyl Ether	1.70	74	34169	68.332	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.86	101	114520	69.426	ug/l	97
10) Methyl Iodide	1.93	142	106311	73.626	ug/l	93
11) Tert butyl alcohol	2.69	59	43419	361.053	ug/l #	86
12) 1,1-Dichloroethene	1.83	96	79534	71.538	ug/l	93
13) Acrolein	2.09	56	19409	304.315	ug/l #	72
14) Allyl chloride	2.19	41	117408	70.386	ug/l	97
15) Acrylonitrile	3.08	53	75548	368.755	ug/l #	89
16) Acetone	2.34	43	230446	390.945	ug/l	99
17) Carbon Disulfide	1.84	76	247096	76.012	ug/l	99
18) Methyl Acetate	2.45	43	67917	71.231	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	276564	75.348	ug/l	96
20) Methylene Chloride	2.28	84	88578	49.843	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	89774	79.293	ug/l	92
22) Diisopropyl ether	2.93	45	310832	74.178	ug/l #	99
23) Vinyl Acetate	3.33	43	682807	465.686	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	197458	72.481	ug/l	100
25) 2-Butanone	4.51	43	281487	375.059	ug/l	96
26) 2,2-Dichloropropane	3.75	77	278012	84.283	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	115889	78.950	ug/l	96
28) Bromochloromethane	3.89	49	65953	71.815	ug/l	87
29) Tetrahydrofuran	4.26	42	96336	385.556	ug/l	99
30) Chloroform	4.03	83	287859	71.556	ug/l	98
31) Cyclohexane	3.85	56	139374	75.743	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	282498	70.760	ug/l	99
36) 1,1-Dichloropropene	4.45	75	197331	76.718	ug/l	96
37) Ethyl Acetate	4.29	43	99655	70.406	ug/l #	56
38) Carbon Tetrachloride	4.17	117	256414	71.288	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	161573	74.350	ug/l	98
40) Benzene	4.81	78	357563	78.150	ug/l	97
41) Methacrylonitrile	4.92	41	50390	75.032	ug/l #	84
42) 1,2-Dichloroethane	5.11	62	249653	74.303	ug/l	99
43) Isopropyl Acetate	7.11	43	116629	76.889	ug/l #	99
44) Trichloroethene	5.67	130	126370	67.016	ug/l	93
45) 1,2-Dichloropropane	6.40	63	96843	74.007	ug/l	96
46) Dibromomethane	6.25	93	85064	72.744	ug/l	95
47) Bromodichloromethane	6.54	83	240361	76.097	ug/l	94
48) Methyl methacrylate	6.87	41	92346	76.897	ug/l	97
49) 1,4-Dioxane	6.87	88	6221	229.423	ug/l #	77
51) 4-Methyl-2-Pentanone	8.40	43	503580	373.651	ug/l	100
52) Toluene	7.78	92	257952	72.690	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	200534	76.086	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	215622	79.728	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	93323	69.958	ug/l	97
56) Ethyl methacrylate	8.75	69	123613	82.293	ug/l	98
57) 1,3-Dichloropropane	9.00	76	171171	72.882	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	59331	370.557	ug/l	100
59) 2-Hexanone	9.63	43	410645	404.584	ug/l	98
60) Dibromochloromethane	8.86	129	170093	77.367	ug/l	95
61) 1,2-Dibromoethane	9.14	107	120593	75.777	ug/l	91
64) Tetrachloroethene	8.30	164	169410	63.809	ug/l	93
65) Chlorobenzene	9.93	112	333726	70.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	151622	73.048	ug/l	99
67) Ethyl Benzene	10.03	91	635013	72.793	ug/l	98
68) m/p-Xylenes	10.27	106	429187	146.818	ug/l	91
69) o-Xylene	10.83	106	221235	70.521	ug/l	87
70) Styrene	10.90	104	344909	72.689	ug/l	97
71) Bromoform	10.89	173	94317	77.802	ug/l #	98
73) Isopropylbenzene	11.23	105	701381	69.578	ug/l	96
74) N-amyl acetate	11.46	43	160590	95.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	117612	77.680	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	118863	74.226	ug/l	86
77) Bromobenzene	11.59	156	179814	68.371	ug/l	83
78) n-propylbenzene	11.69	91	837952	69.653	ug/l	94
79) 2-Chlorotoluene	11.81	91	507117	69.685	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	630687	71.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	28219	54.611	ug/l	98
82) 4-Chlorotoluene	11.98	91	568740	70.494	ug/l	98
83) tert-Butylbenzene	12.21	119	581714	72.333	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	624871	69.072	ug/l	99
85) sec-Butylbenzene	12.39	105	788429	71.390	ug/l	96
86) p-Isopropyltoluene	12.54	119	690705	69.905	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	325954	68.046	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	343659	72.688	ug/l	99
89) n-Butylbenzene	12.92	91	702803	73.777	ug/l	95
90) Hexachloroethane	12.99	117	147013	73.139	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	316139	69.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32071	83.068	ug/l	78

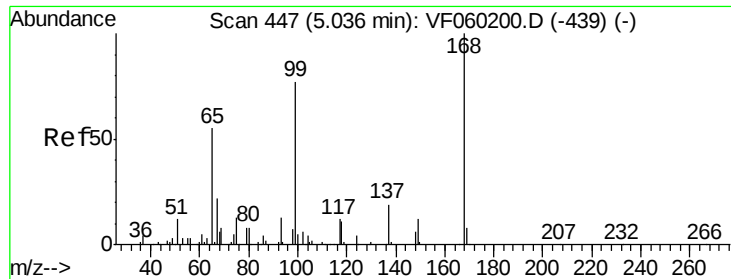
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	260438	73.893	ug/l	96
94) Hexachlorobutadiene	14.26	225	181591	72.010	ug/l	97
95) Naphthalene	14.54	128	419476	85.142	ug/l	99
96) 1,2,3-Trichlorobenzene	14.70	180	255360	77.387	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

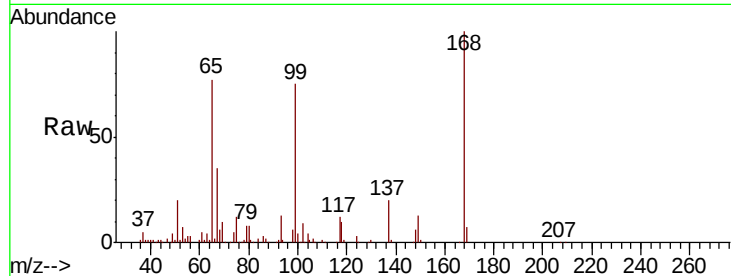
VSTDIC075

Tgt Ion:168 Resp: 155927

Ion Ratio Lower Upper

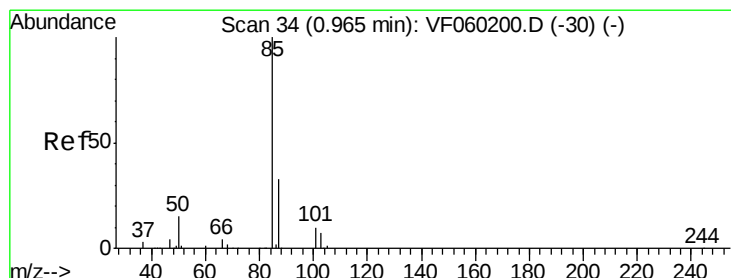
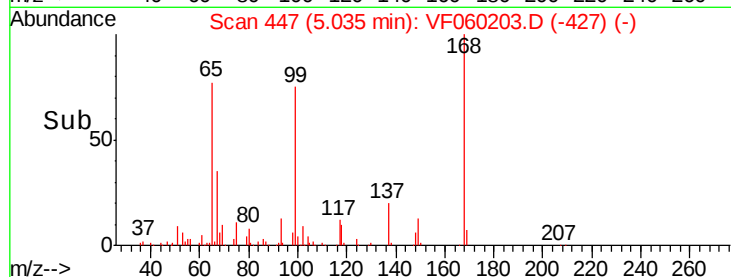
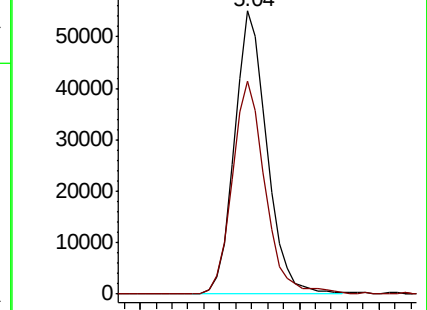
168 100

99 75.4 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 68.951 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF060203.D

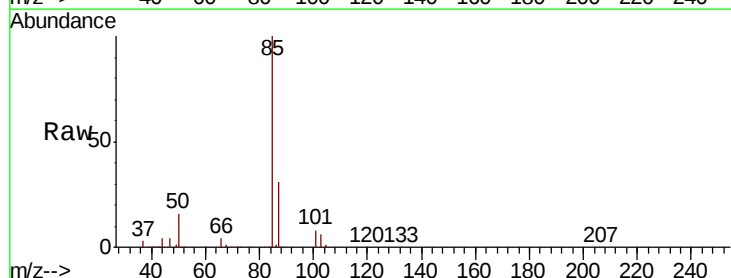
Acq: 6 Sep 2018 15:56

Tgt Ion: 85 Resp: 196923

Ion Ratio Lower Upper

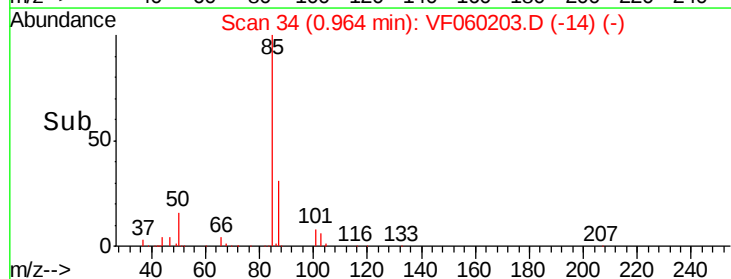
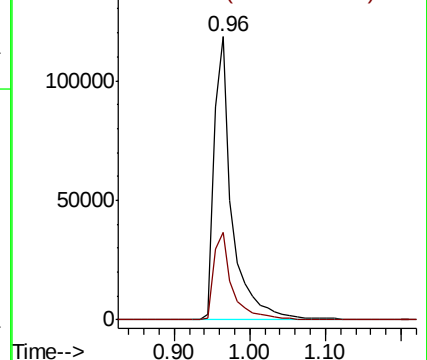
85 100

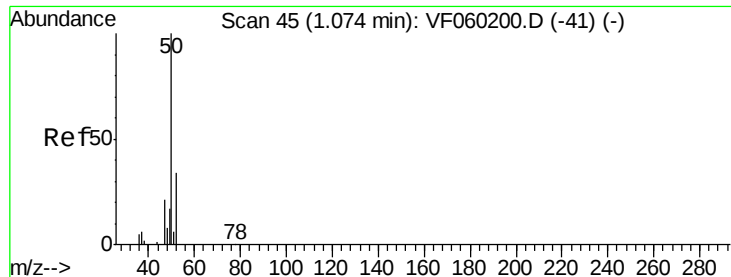
87 31.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 62.245 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

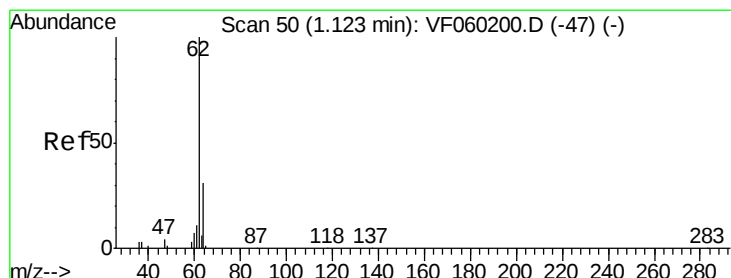
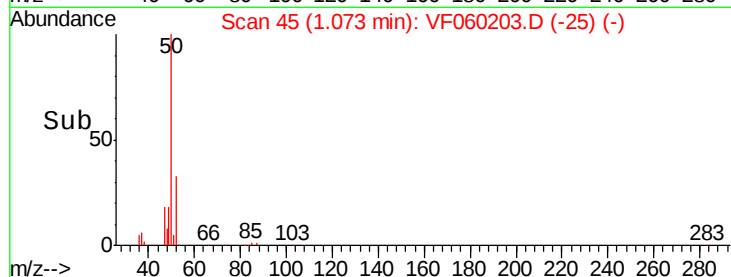
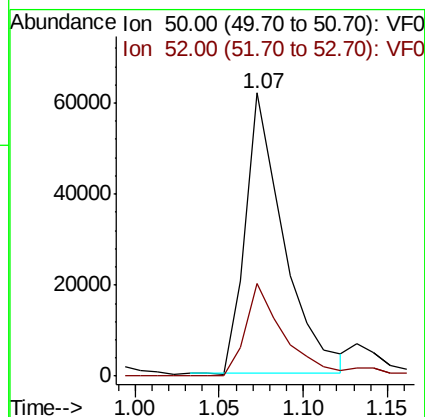
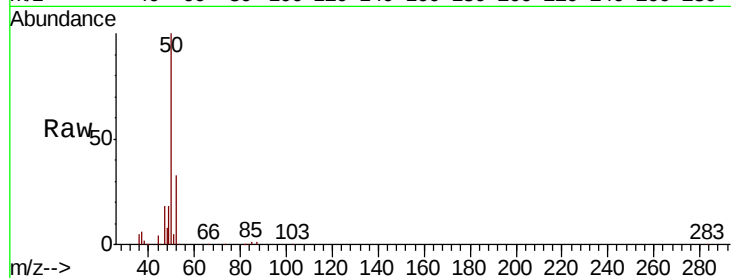
VSTDIC075

Tgt Ion: 50 Resp: 97662

Ion Ratio Lower Upper

50 100

52 32.8 26.9 40.3



#4

Vinyl Chloride

Concen: 74.290 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060203.D

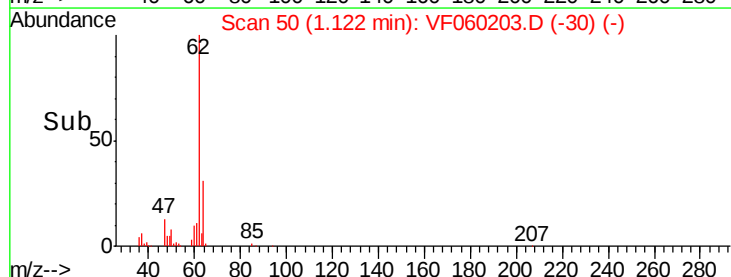
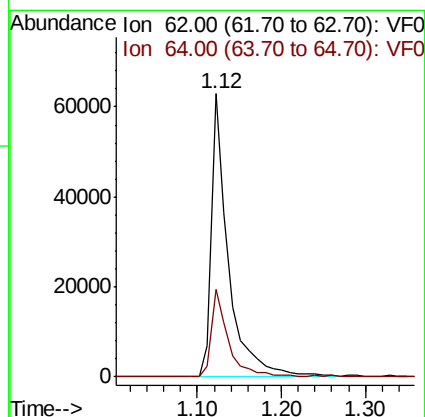
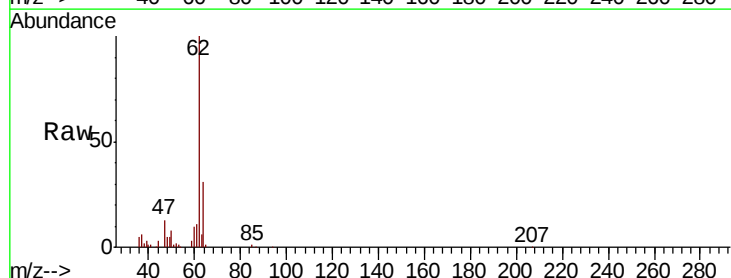
Acq: 6 Sep 2018 15:56

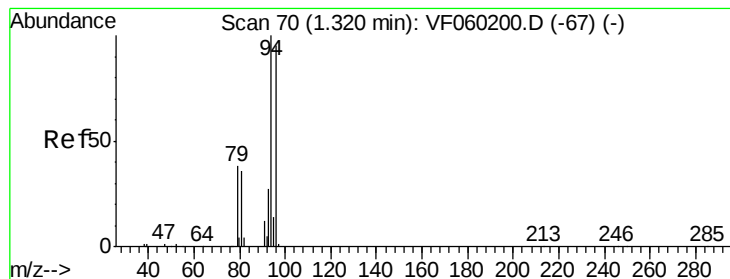
Tgt Ion: 62 Resp: 88592

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2





#5

Bromomethane

Concen: 68.830 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampled :

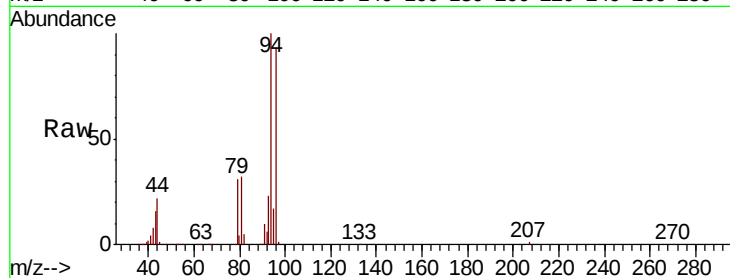
VSTDIC075

Tgt Ion: 94 Resp: 73937

Ion Ratio Lower Upper

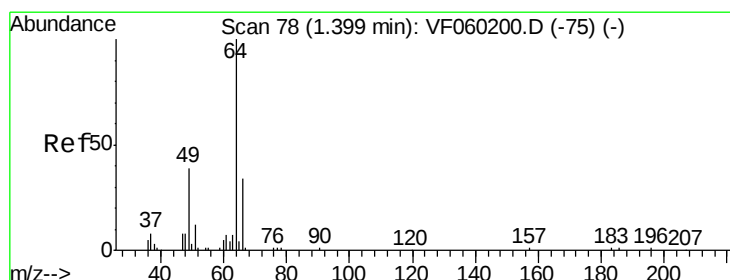
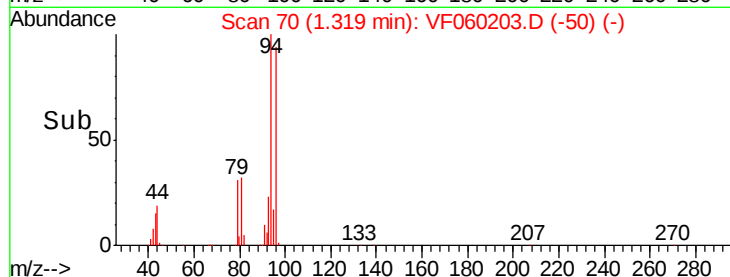
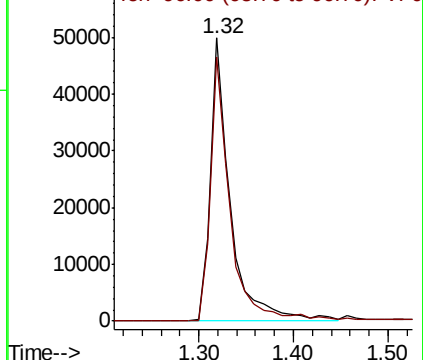
94 100

96 93.3 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 68.682 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060203.D

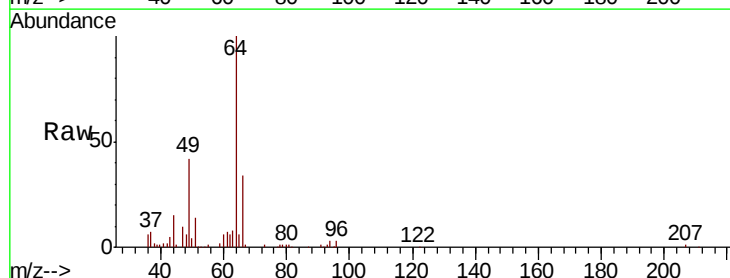
Acq: 6 Sep 2018 15:56

Tgt Ion: 64 Resp: 53367

Ion Ratio Lower Upper

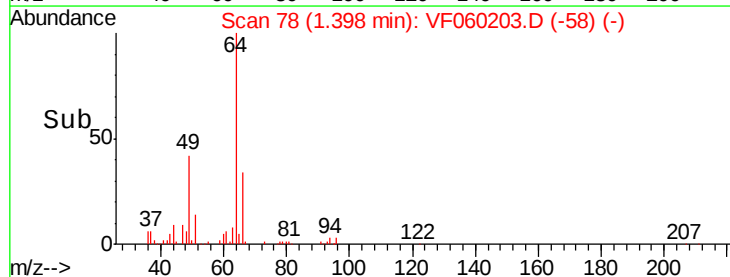
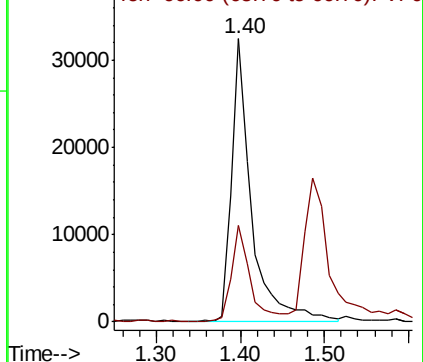
64 100

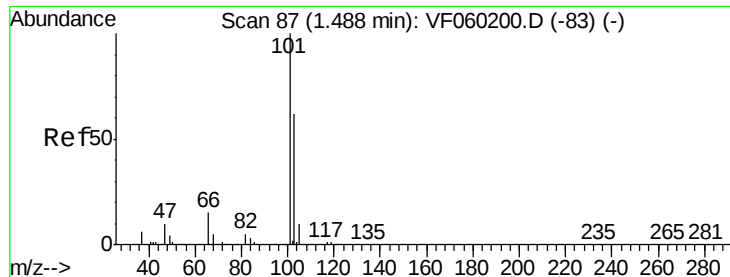
66 34.0 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



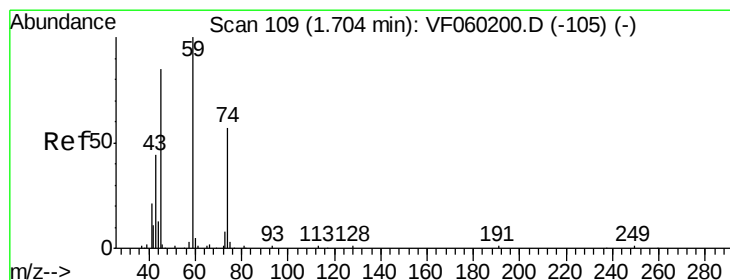
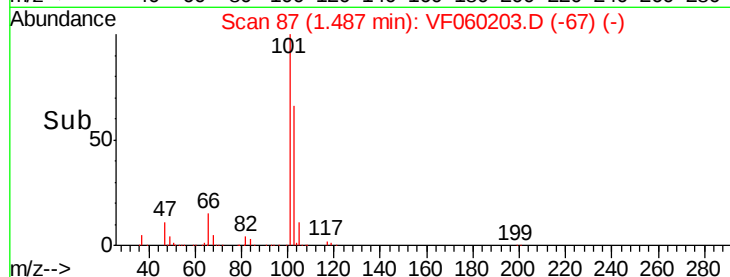
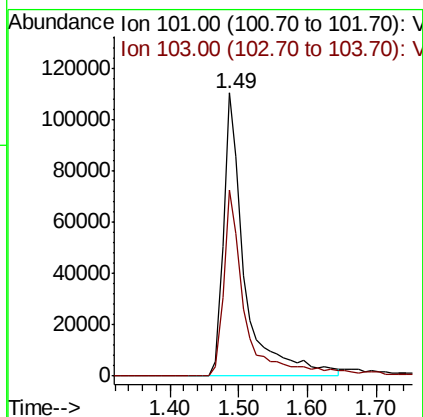
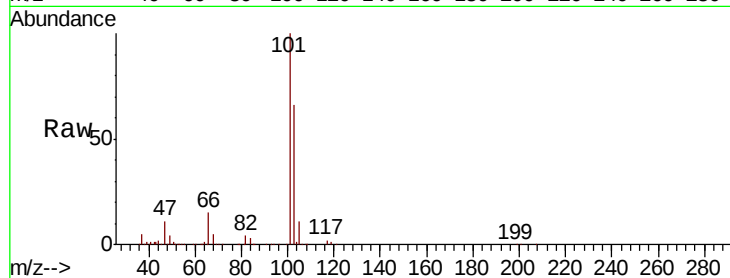


#7

Trichlorofluoromethane
 Concen: 70.564 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

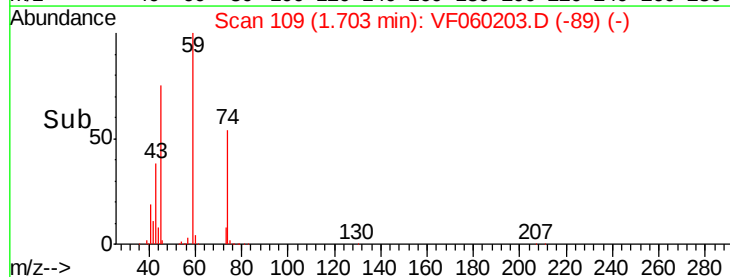
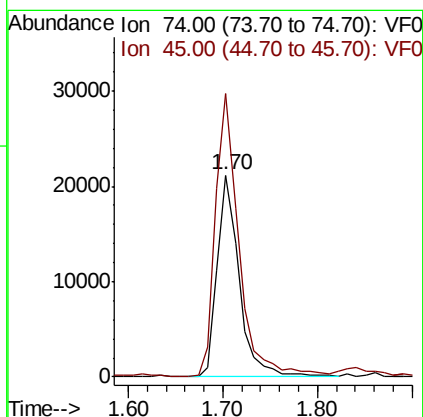
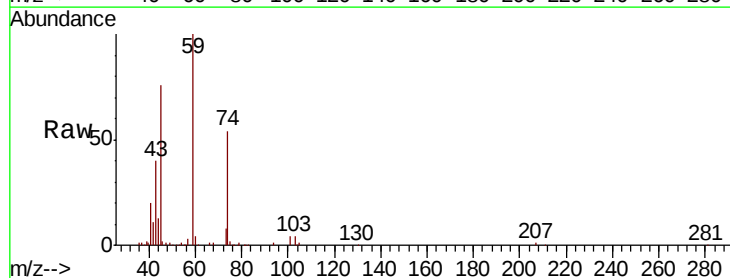
Tgt Ion: 101 Resp: 236809
 Ion Ratio Lower Upper
 101 100
 103 66.0 49.5 74.3

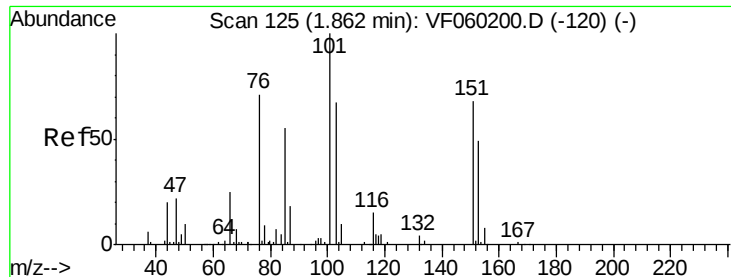


#8

Diethyl Ether
 Concen: 68.332 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion: 74 Resp: 34169
 Ion Ratio Lower Upper
 74 100
 45 140.3 75.3 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.426 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

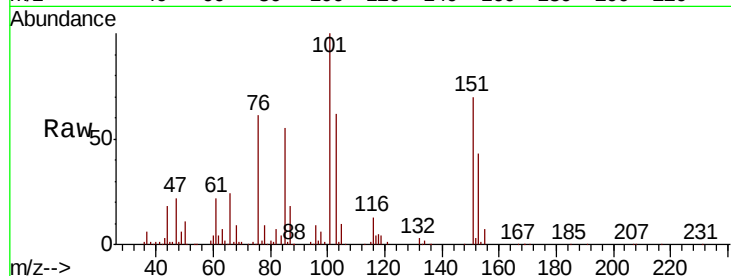
Tgt Ion:101 Resp: 114520

Ion Ratio Lower Upper

101 100

85 55.2 43.0 64.4

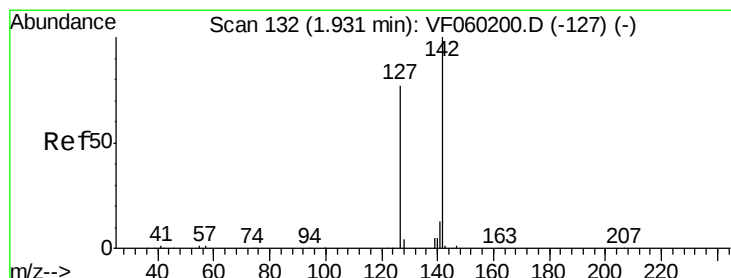
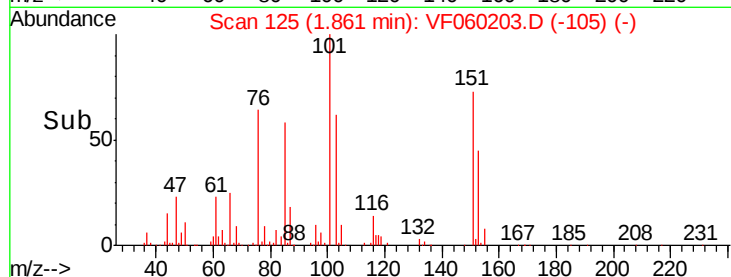
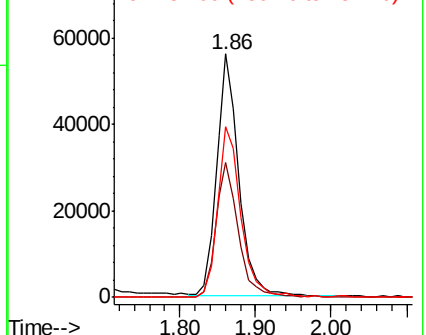
151 70.0 53.6 80.4



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: 73.626 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

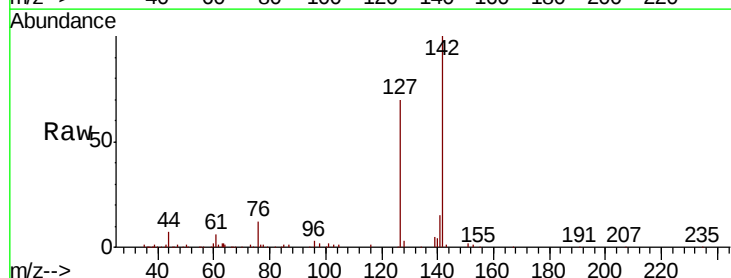
Tgt Ion:142 Resp: 106311

Ion Ratio Lower Upper

142 100

127 70.3 61.1 91.7

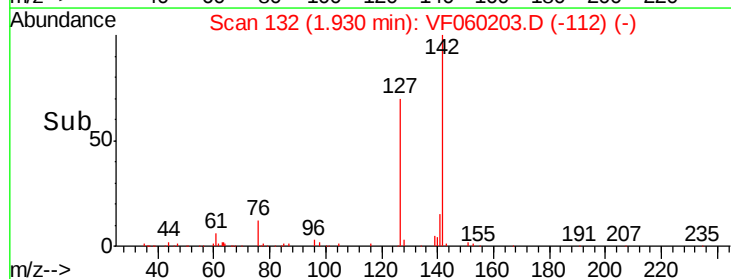
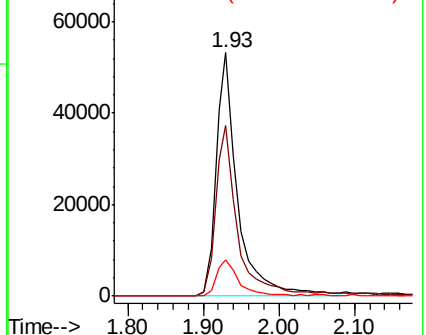
141 14.8 10.6 15.8

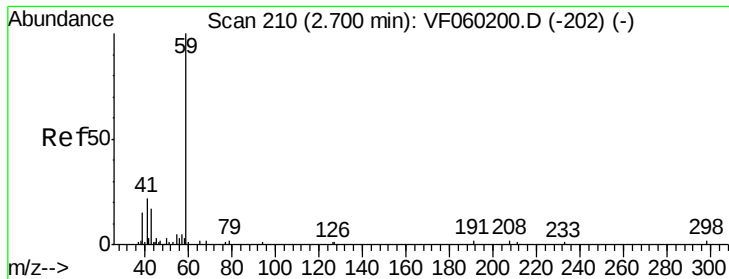


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

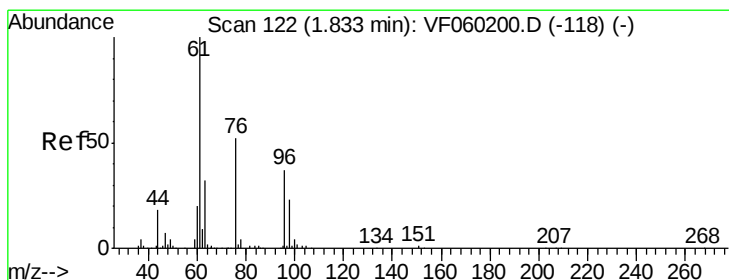
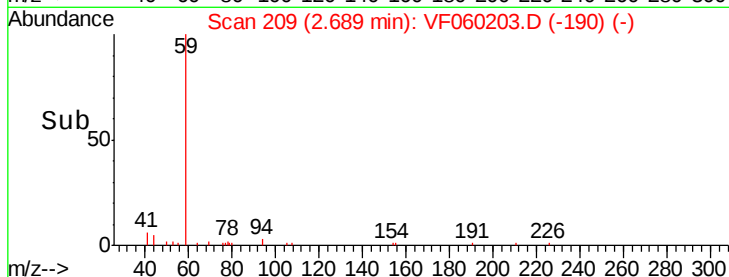
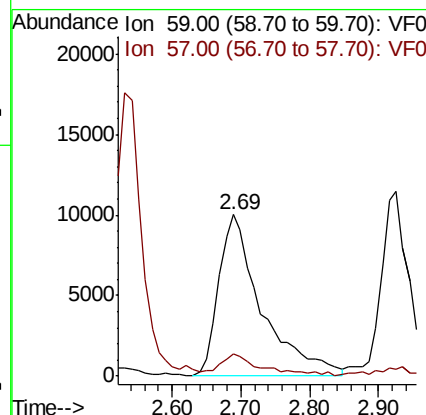
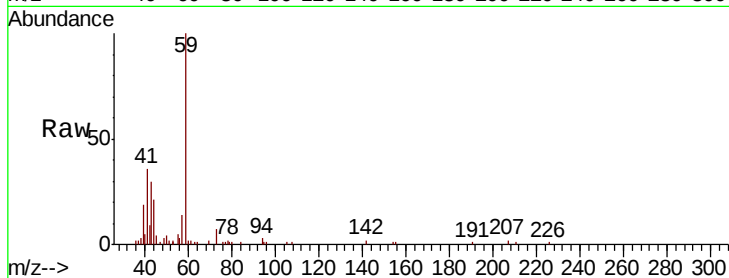




#11
Tert butyl alcohol
Concen: 361.053 ug/l
RT: 2.69 min Scan# 209
Delta R.T. -0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

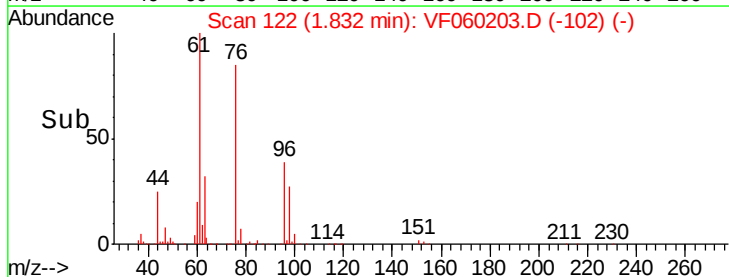
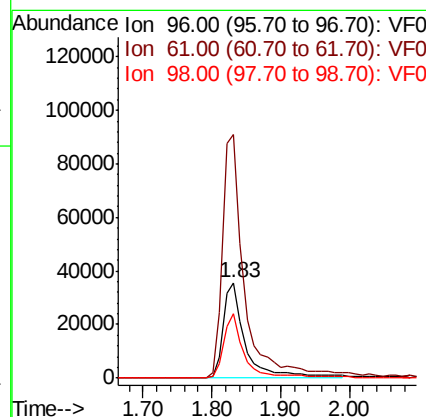
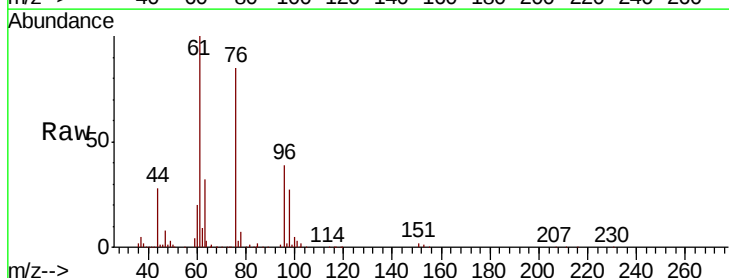
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

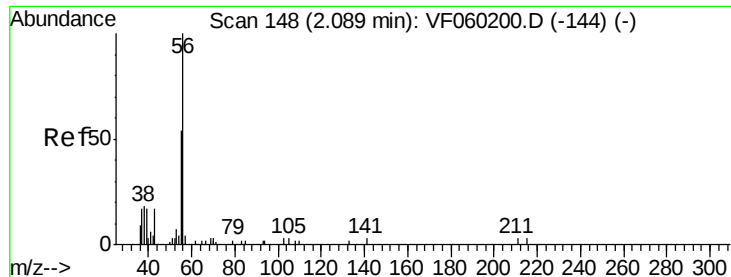
Tgt Ion: 59 Resp: 43419
Ion Ratio Lower Upper
59 100
57 14.0 7.2 10.8#



#12
1,1-Dichloroethene
Concen: 71.538 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 96 Resp: 79534
Ion Ratio Lower Upper
96 100
61 255.4 214.6 321.8
98 68.2 50.7 76.1





#13

Acrolein

Concen: 304.315 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

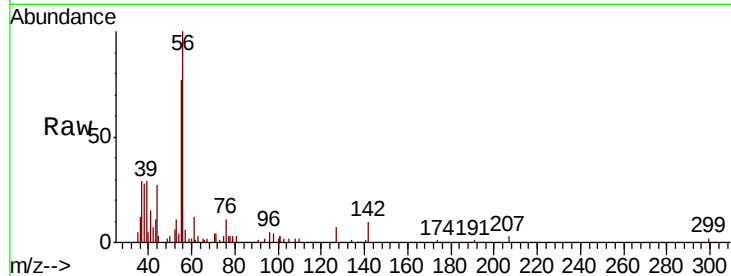
VSTDIC075

Tgt Ion: 56 Resp: 19409

Ion Ratio Lower Upper

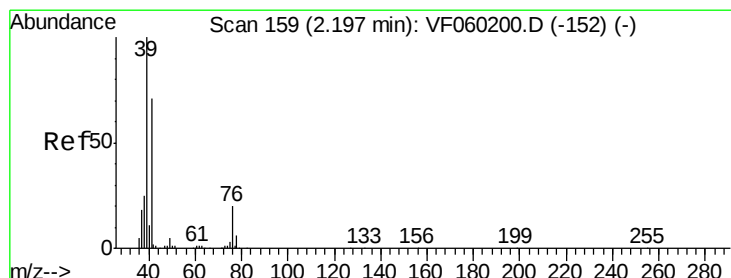
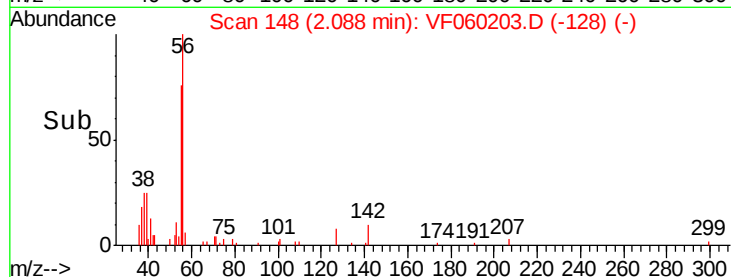
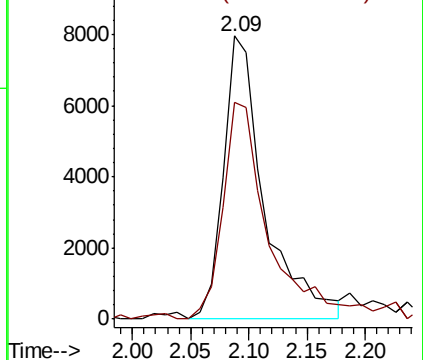
56 100

55 76.6 45.1 67.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 70.386 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

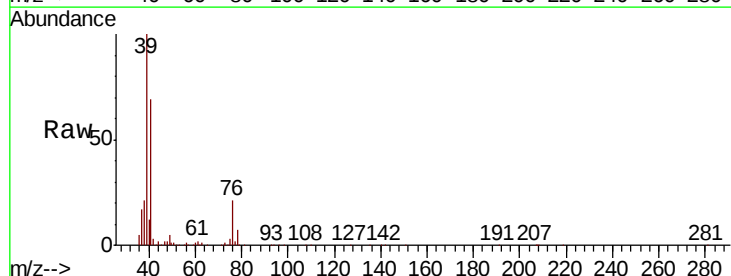
Tgt Ion: 41 Resp: 117408

Ion Ratio Lower Upper

41 100

39 144.5 112.2 168.2

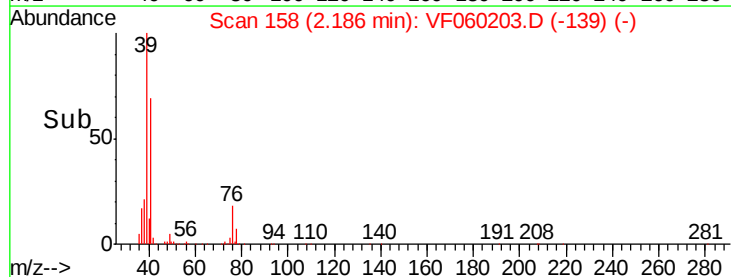
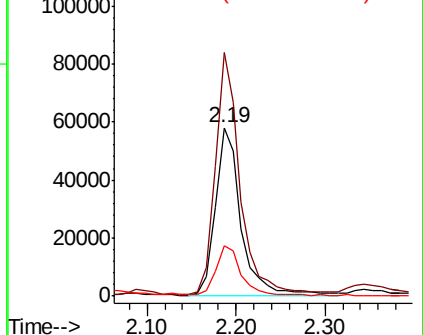
76 30.1 23.2 34.8

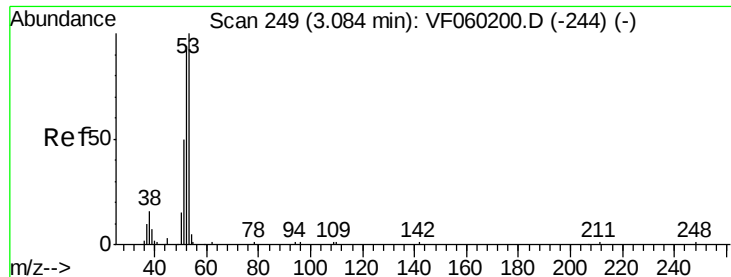


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 368.755 ug/l

RT: 3.08 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

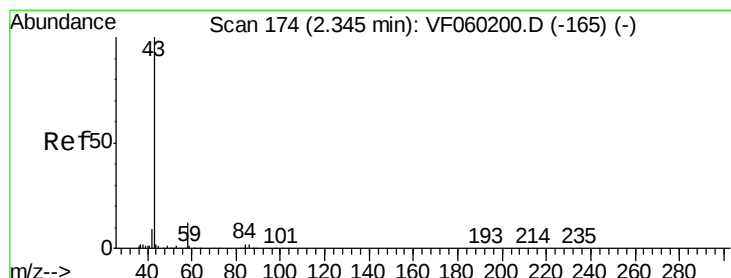
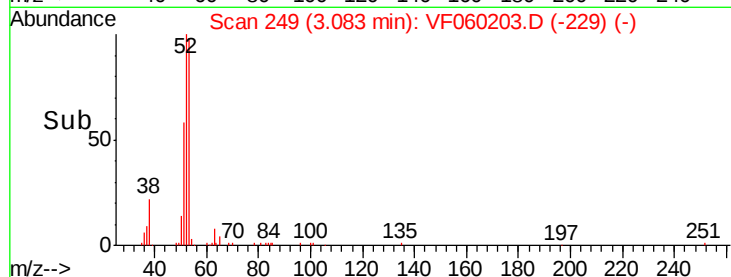
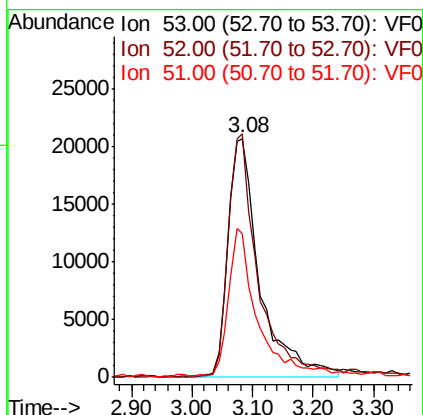
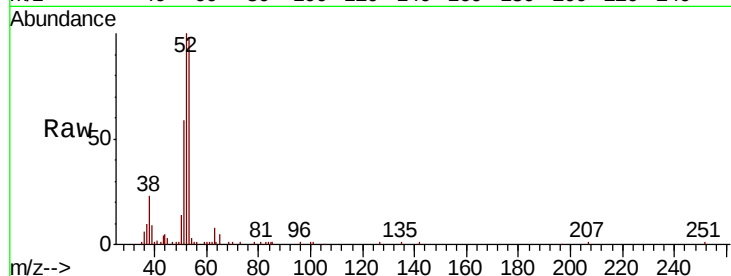
Tgt Ion: 53 Resp: 75548

Ion Ratio Lower Upper

53 100

52 102.0 75.0 112.6

51 60.0 39.9 59.9#



#16

Acetone

Concen: 390.945 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060203.D

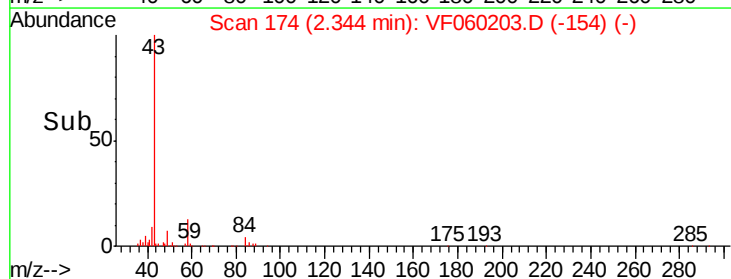
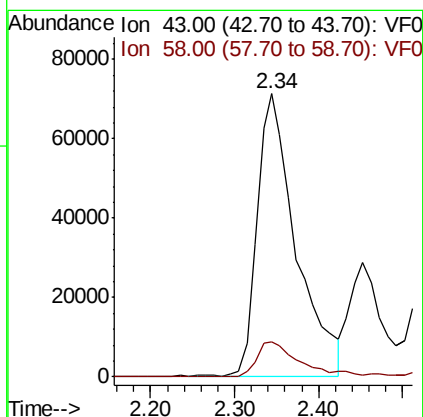
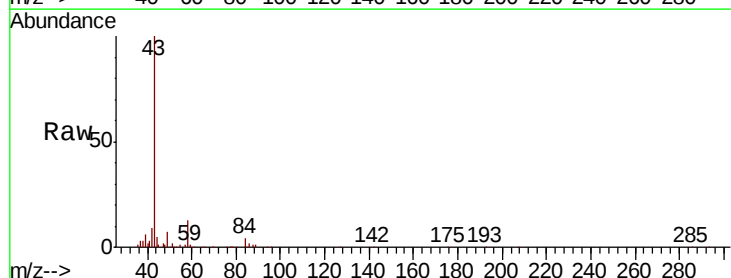
Acq: 6 Sep 2018 15:56

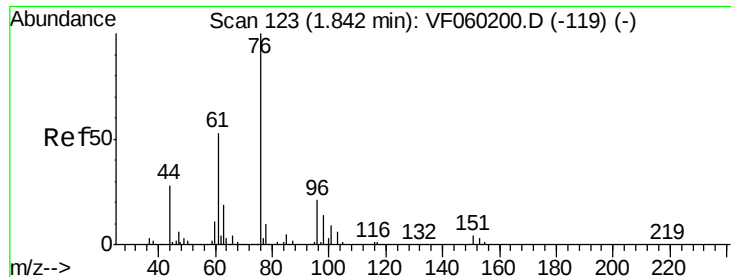
Tgt Ion: 43 Resp: 230446

Ion Ratio Lower Upper

43 100

58 12.5 9.7 14.5

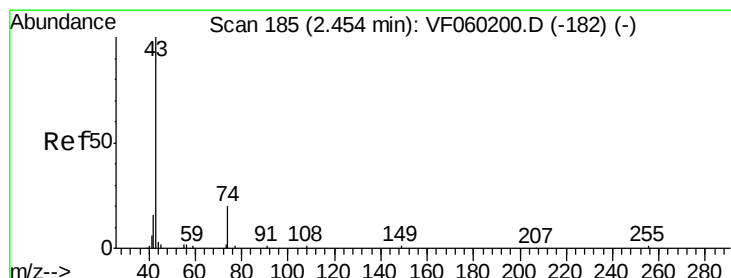
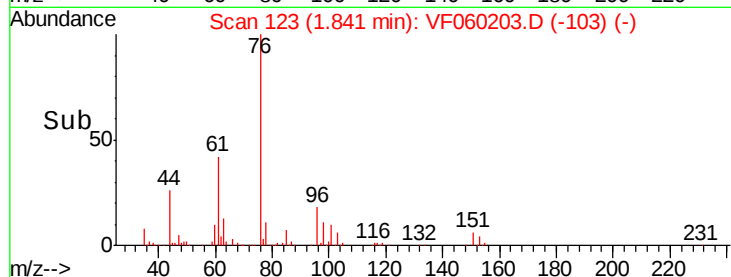
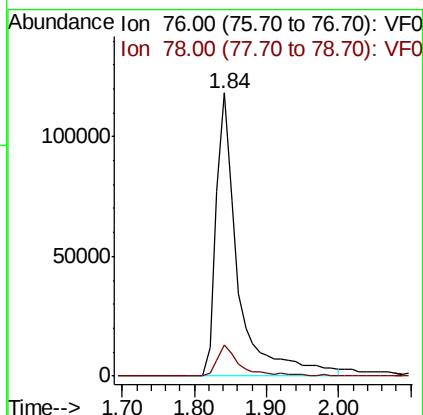
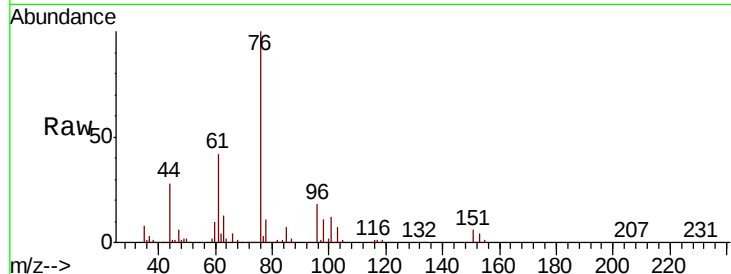




#17
Carbon Disulfide
Concen: 76.012 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

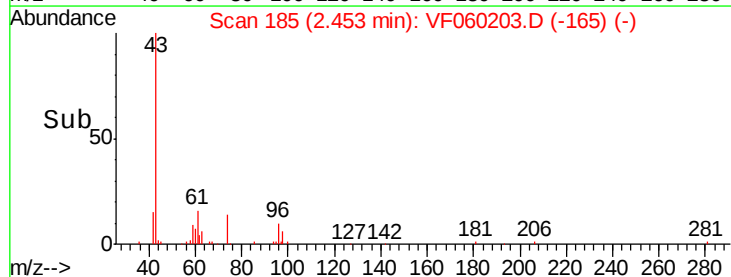
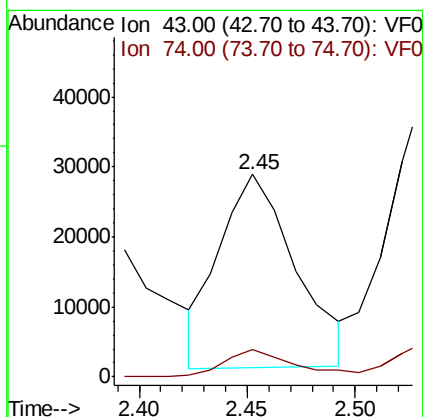
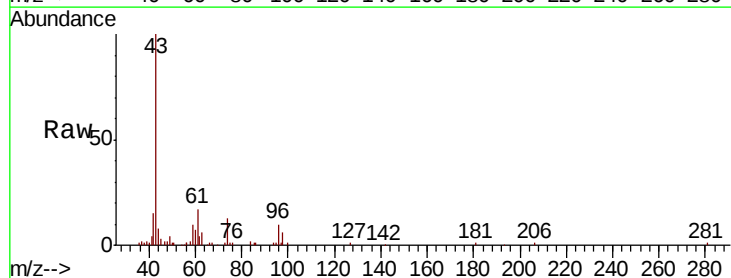
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

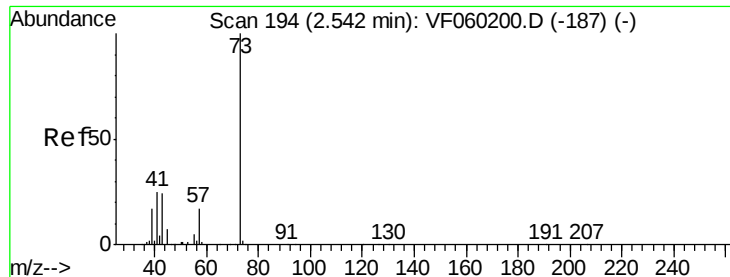
Tgt Ion: 76 Resp: 247096
Ion Ratio Lower Upper
76 100
78 10.9 8.5 12.7



#18
Methyl Acetate
Concen: 71.231 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 43 Resp: 67917
Ion Ratio Lower Upper
43 100
74 13.5 11.9 17.9



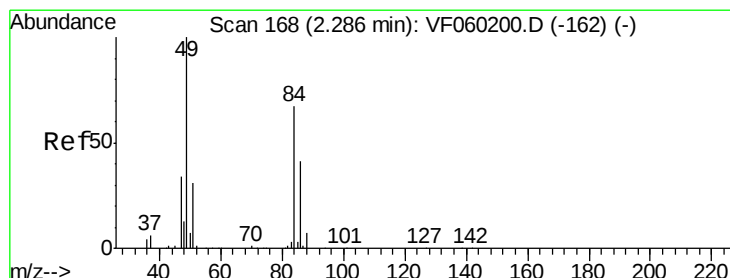
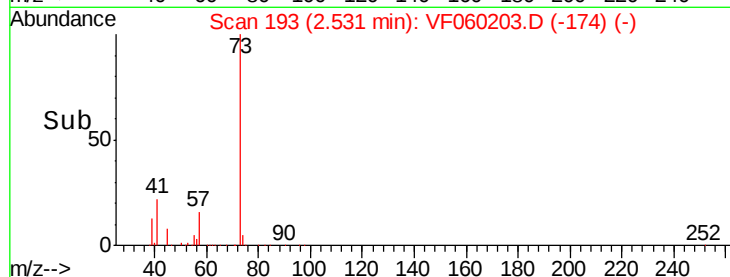
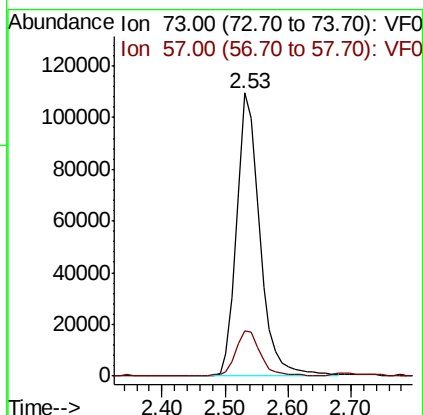
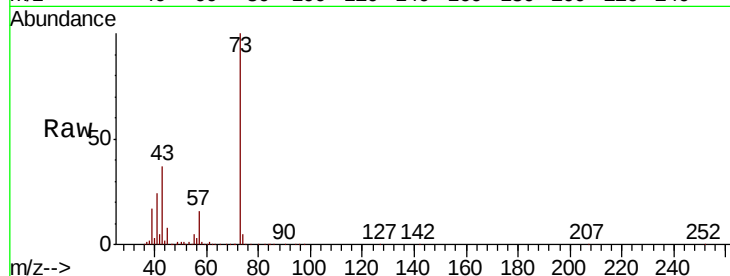


#19

Methyl tert-butyl Ether
 Concen: 75.348 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

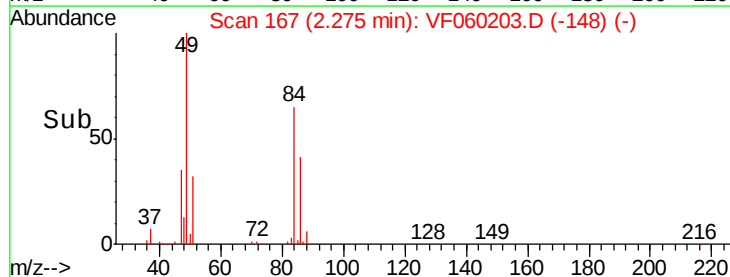
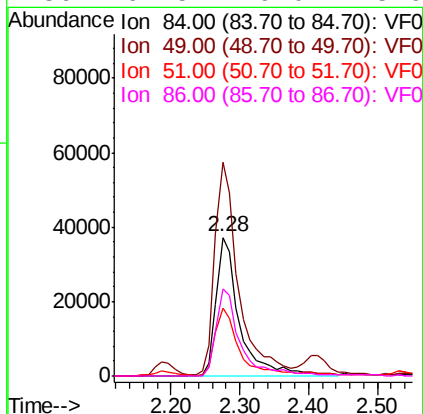
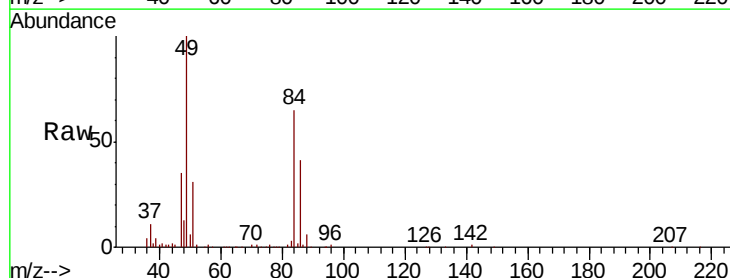
Tgt Ion: 73 Resp: 276564
 Ion Ratio Lower Upper
 73 100
 57 16.1 14.3 21.5

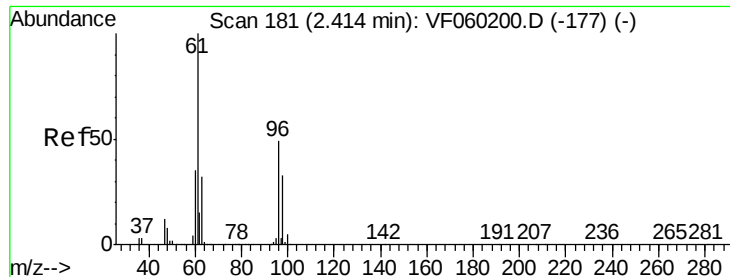


#20

Methylene Chloride
 Concen: 49.843 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion: 84 Resp: 88578
 Ion Ratio Lower Upper
 84 100
 49 153.9 120.1 180.1
 51 48.5 37.0 55.6
 86 62.5 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 79.293 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

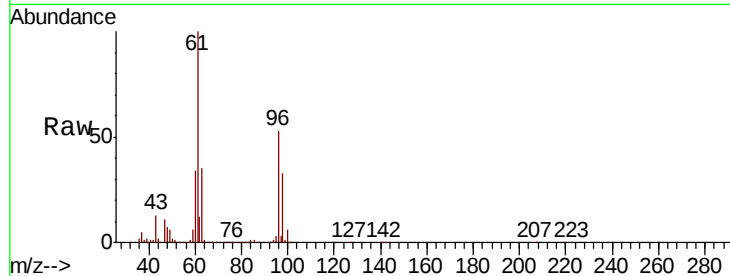
Tgt Ion: 96 Resp: 89774

Ion Ratio Lower Upper

96 100

61 189.8 163.1 244.7

98 63.1 54.1 81.1

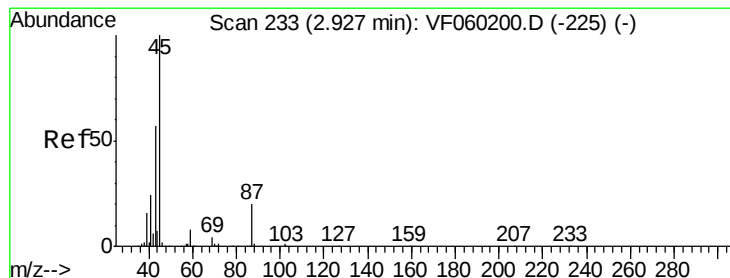
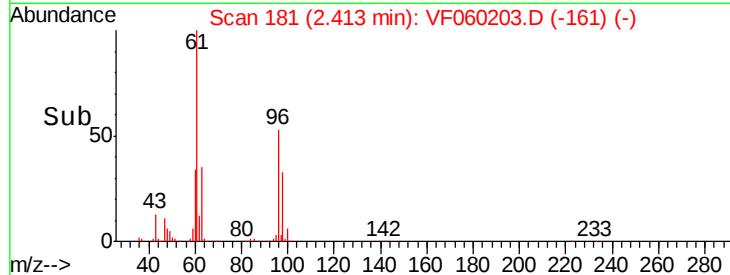
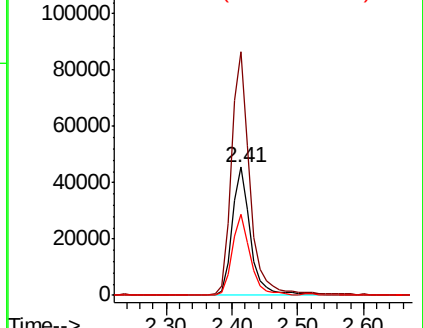


Abundance

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: 74.178 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Tgt Ion: 45 Resp: 310832

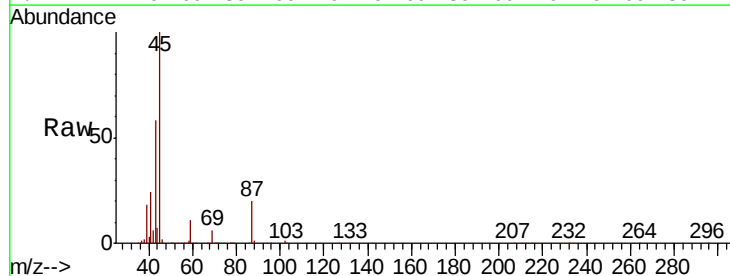
Ion Ratio Lower Upper

45 100

43 58.4 46.2 69.4

87 19.6 16.1 24.1

59 10.7 6.5 9.7#



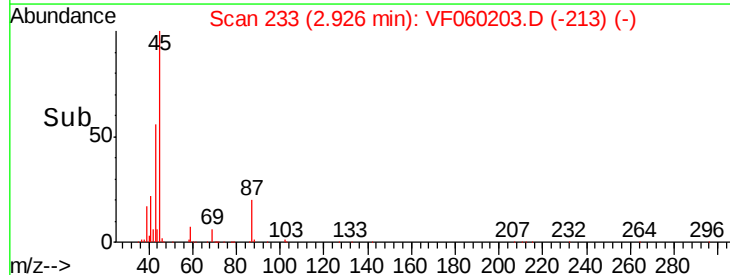
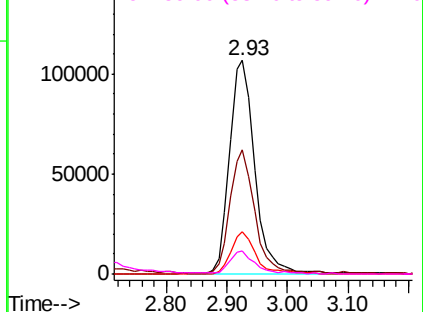
Abundance

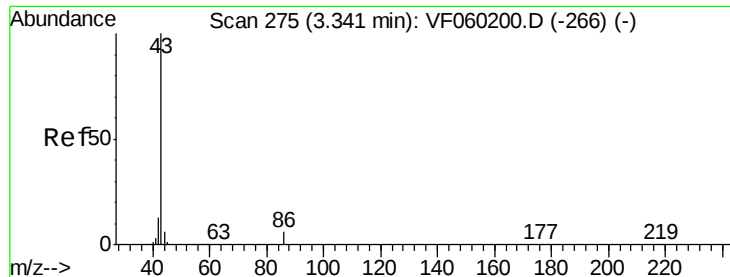
Ion 45.00 (44.70 to 45.70): VF0

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: 465.686 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

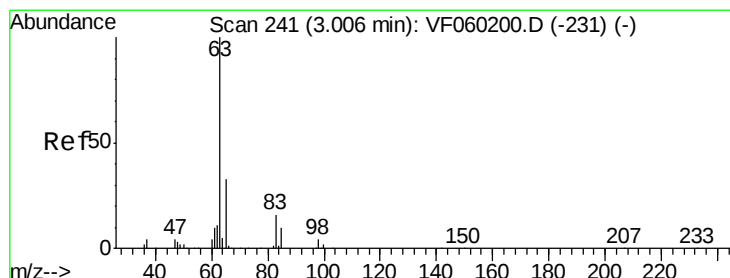
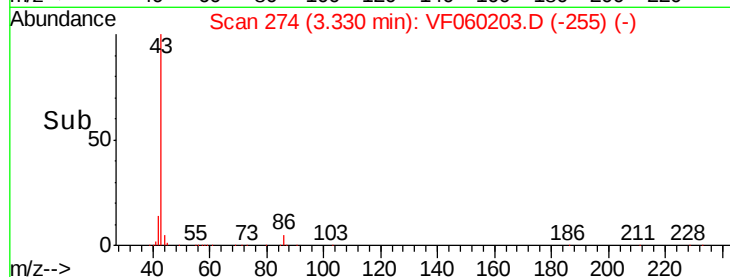
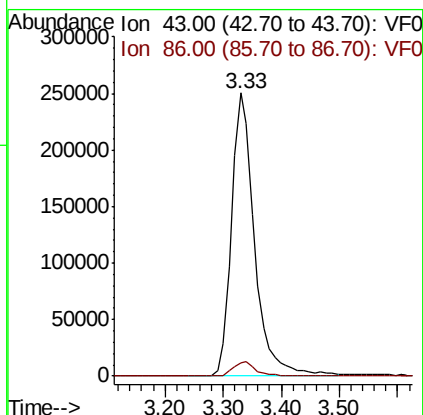
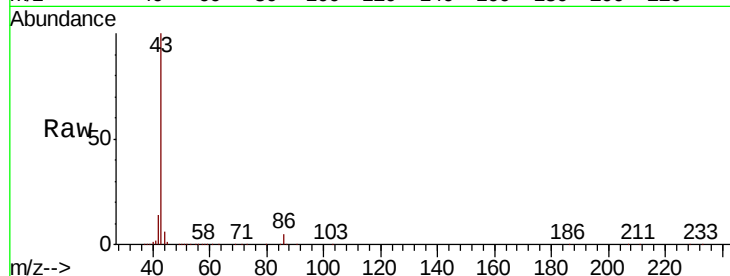
VSTDIC075

Tgt Ion: 43 Resp: 682807

Ion Ratio Lower Upper

43 100

86 4.7 4.8 7.2#



#24

1,1-Dichloroethane

Concen: 72.481 ug/l

RT: 3.00 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

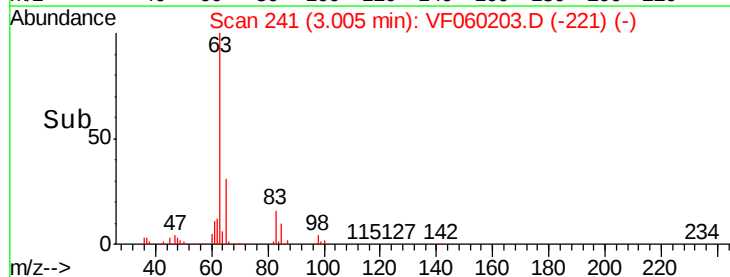
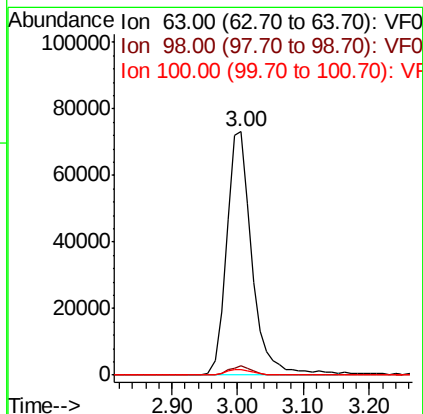
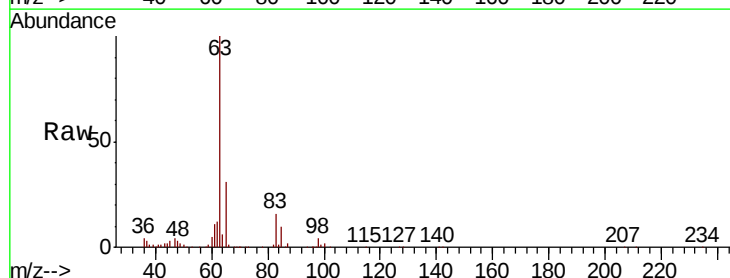
Tgt Ion: 63 Resp: 197458

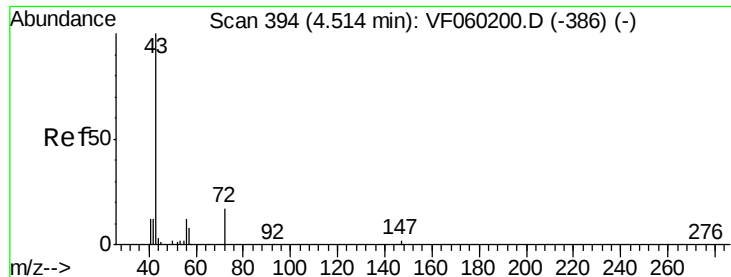
Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

100 2.1 1.1 3.1





#25

2-Butanone

Concen: 375.059 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

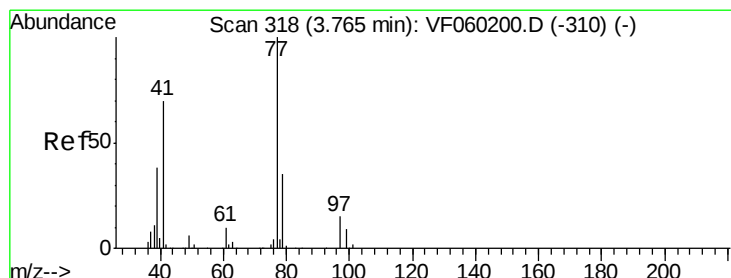
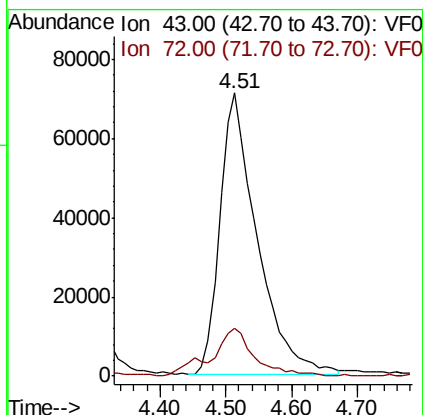
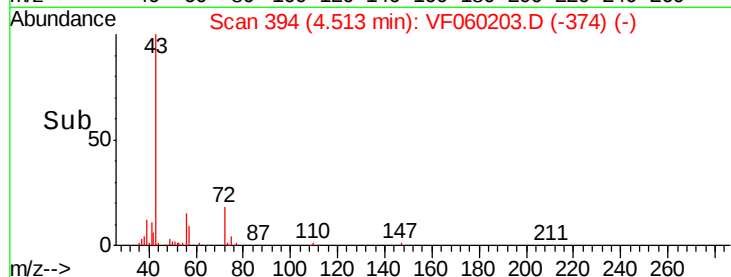
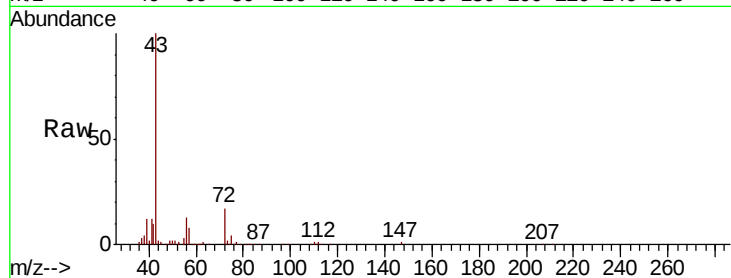
VSTDIC075

Tgt Ion: 43 Resp: 281487

Ion Ratio Lower Upper

43 100

72 16.9 14.8 22.2



#26

2,2-Dichloropropane

Concen: 84.283 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF060203.D

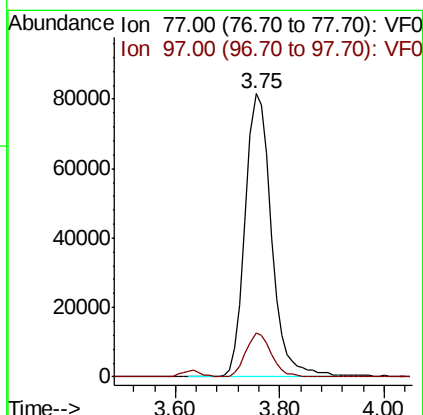
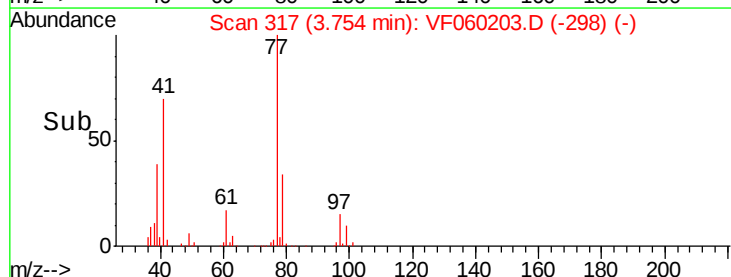
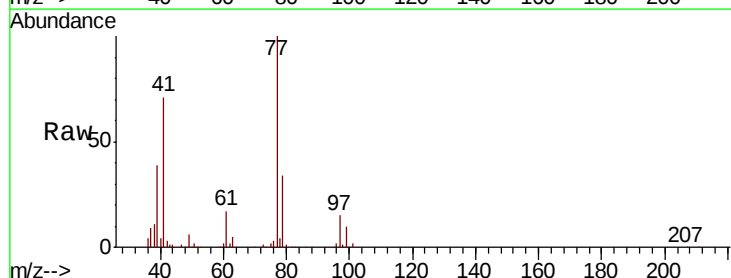
Acq: 6 Sep 2018 15:56

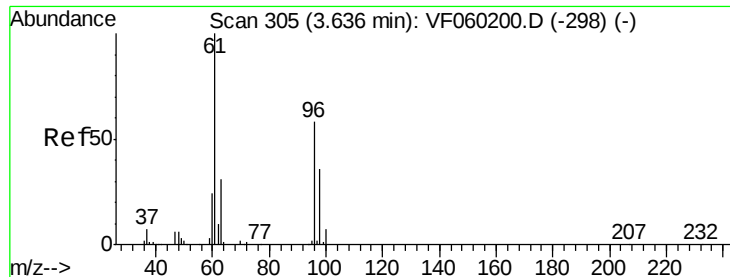
Tgt Ion: 77 Resp: 278012

Ion Ratio Lower Upper

77 100

97 15.4 7.5 22.5



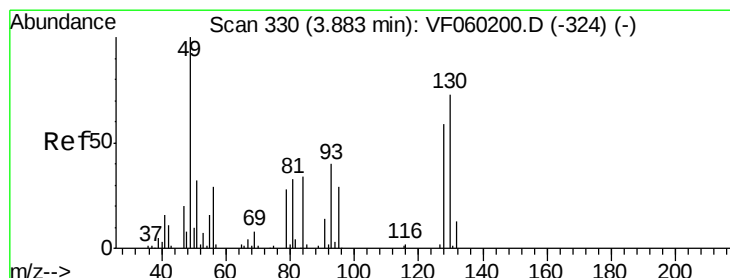
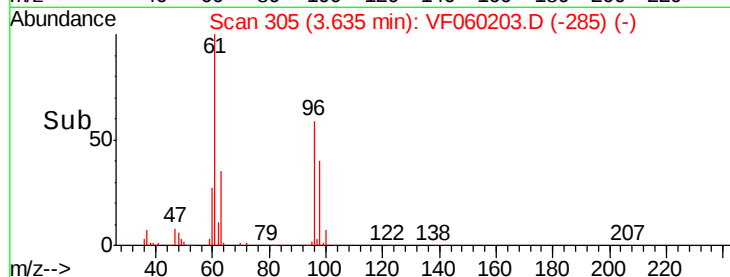
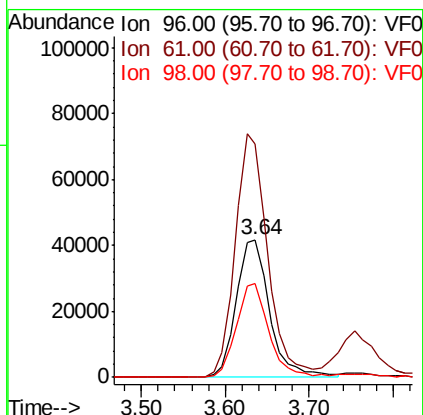
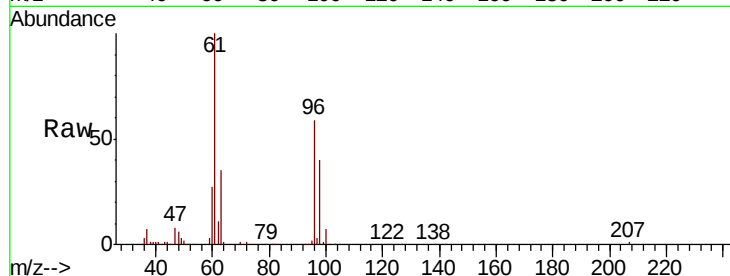


#27

cis-1,2-Dichloroethene
Concen: 78.950 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

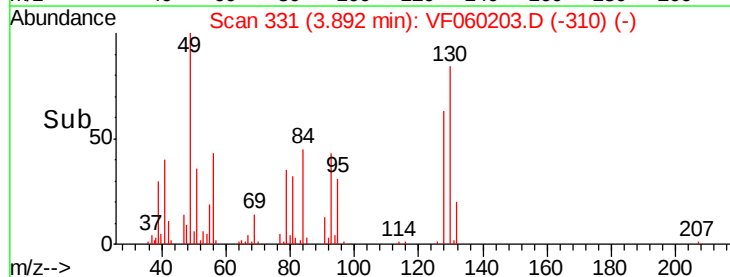
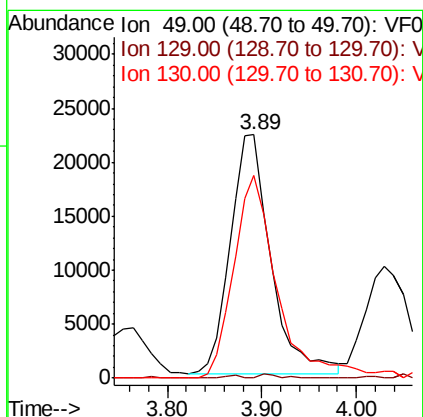
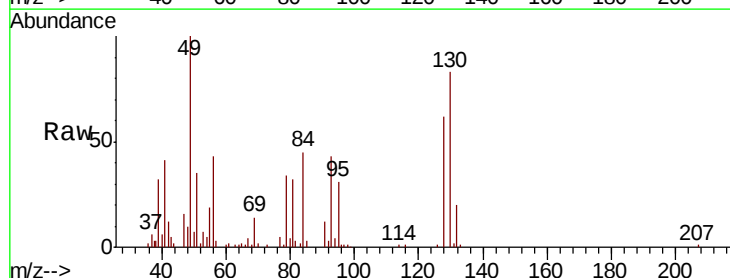
Tgt Ion	Resp	Lower	Upper
96	115889		
61	169.0	0.0	345.2
98	68.2	0.0	124.6

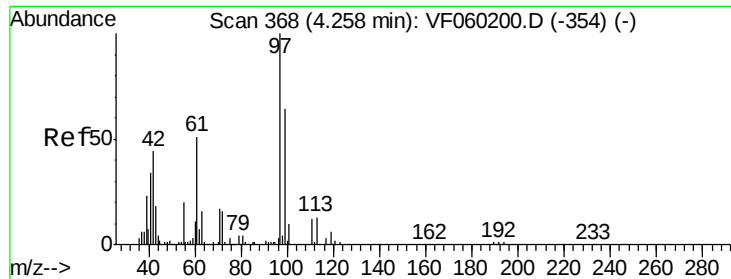


#28

Bromochloromethane
Concen: 71.815 ug/l
RT: 3.89 min Scan# 331
Delta R.T. 0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion	Resp	Lower	Upper
49	65953		
129	0.0	0.0	0.0
130	83.2	57.8	86.6





#29

Tetrahydrofuran

Concen: 385.556 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

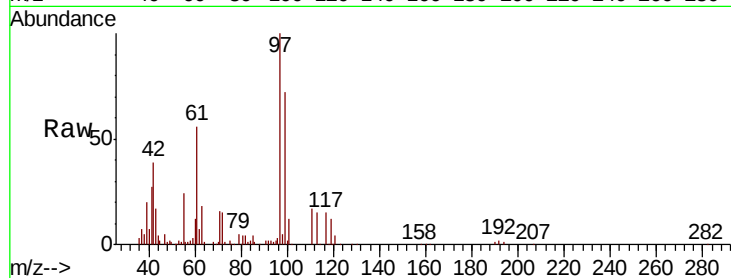
Tgt Ion: 42 Resp: 96336

Ion Ratio Lower Upper

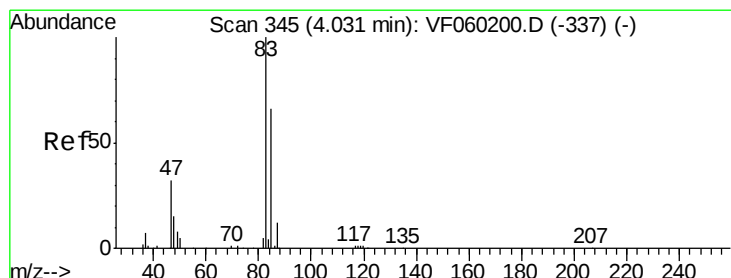
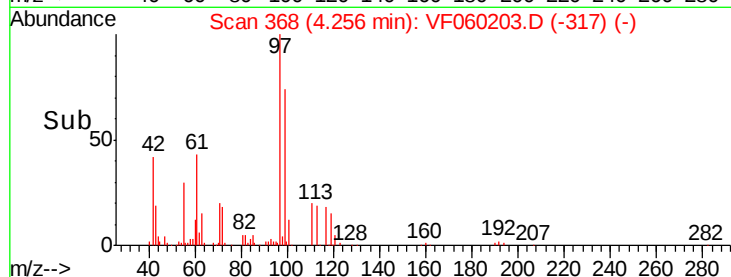
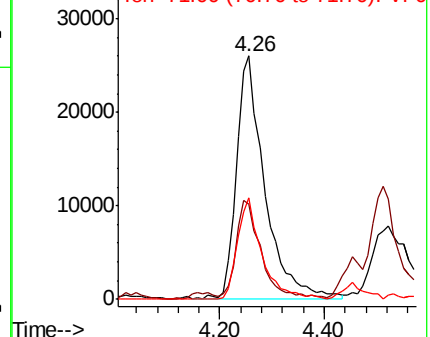
42 100

72 34.8 27.4 41.0

71 35.9 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: 71.556 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.00 min

Lab File: VF060203.D

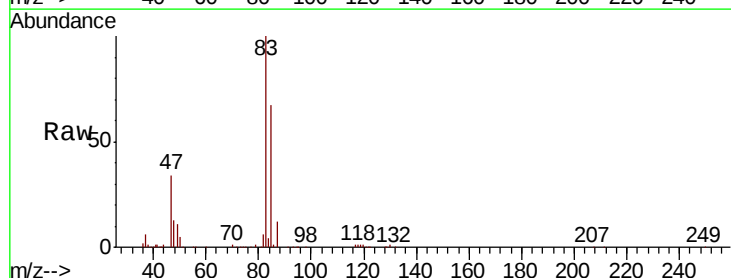
Acq: 6 Sep 2018 15:56

Tgt Ion: 83 Resp: 287859

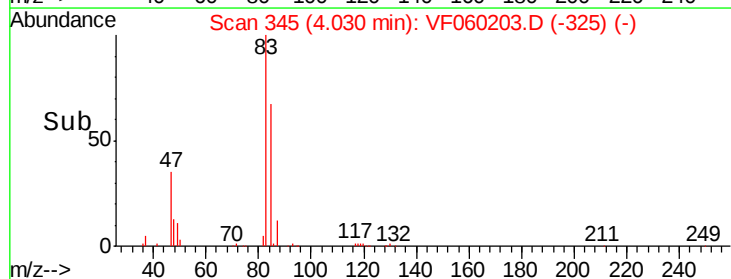
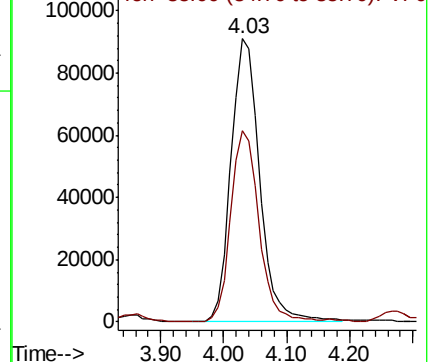
Ion Ratio Lower Upper

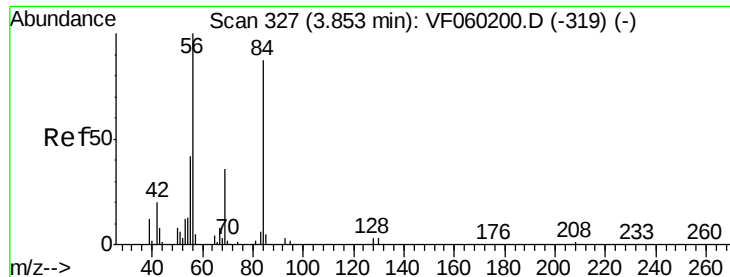
83 100

85 67.5 52.6 79.0



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

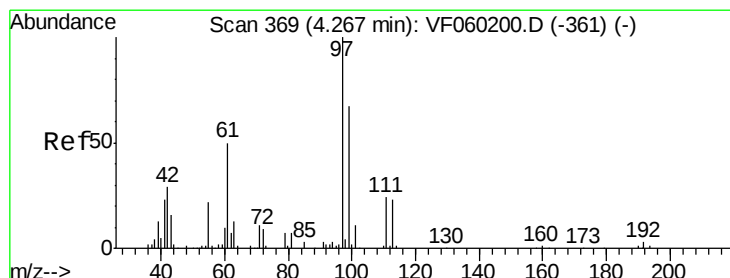
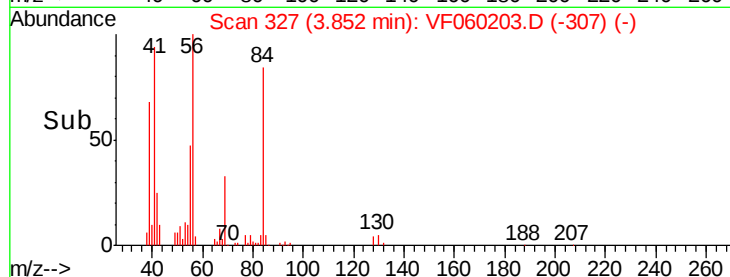
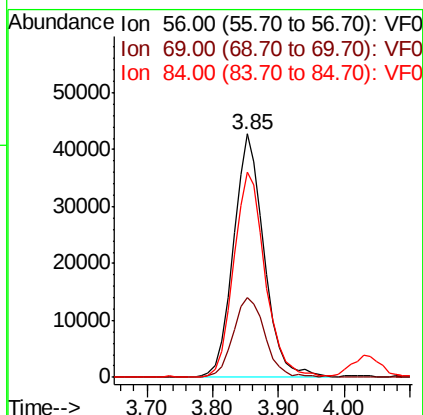
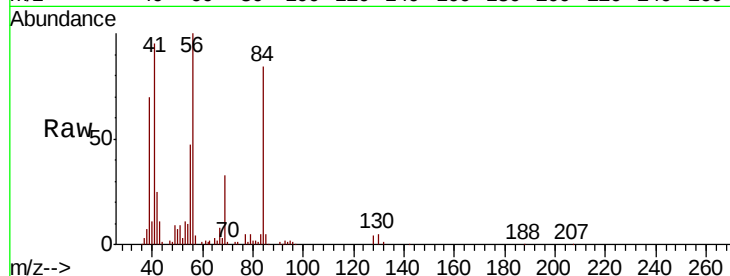




#31
Cyclohexane
Concen: 75.743 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

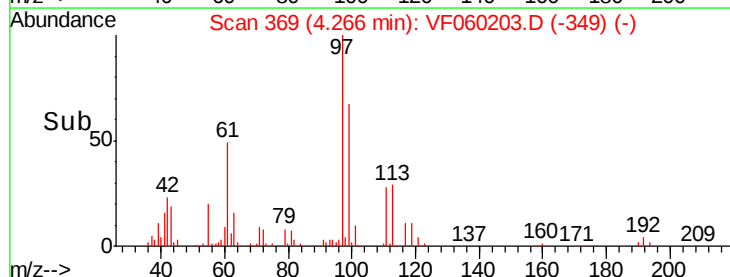
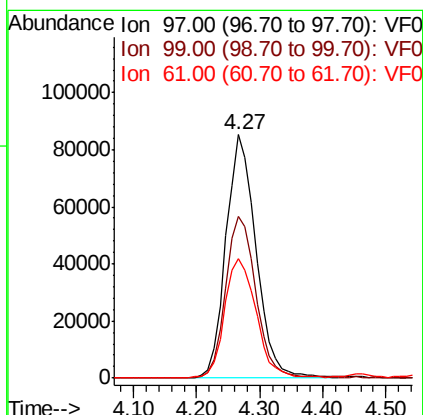
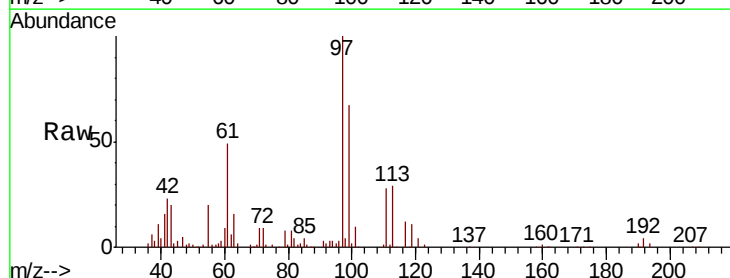
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

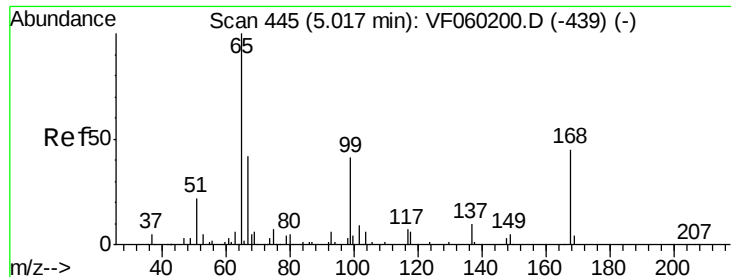
Tgt Ion: 56 Resp: 139374
Ion Ratio Lower Upper
56 100
69 32.9 28.7 43.1
84 84.5 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 70.760 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 97 Resp: 282498
Ion Ratio Lower Upper
97 100
99 66.5 53.5 80.3
61 49.0 40.4 60.6

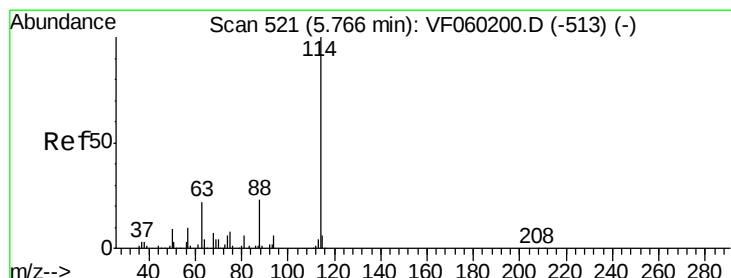
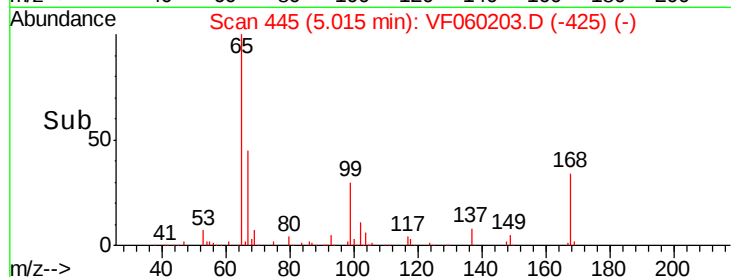
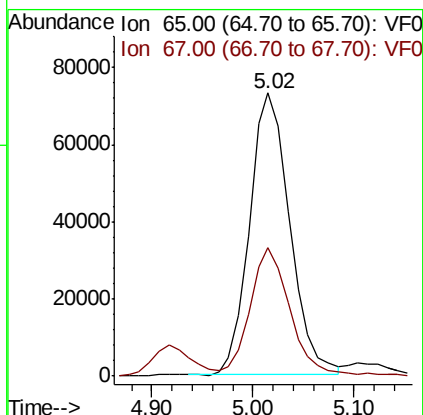
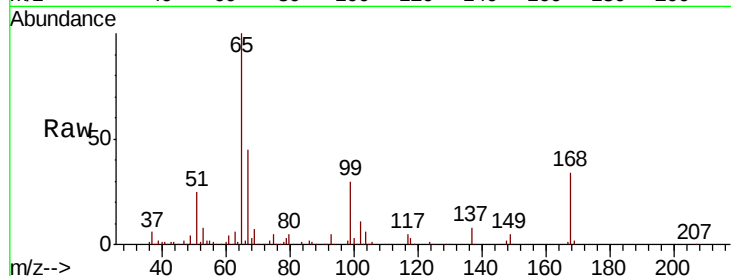




#33
 1,2-Dichloroethane-d4
 Concen: 75.000 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

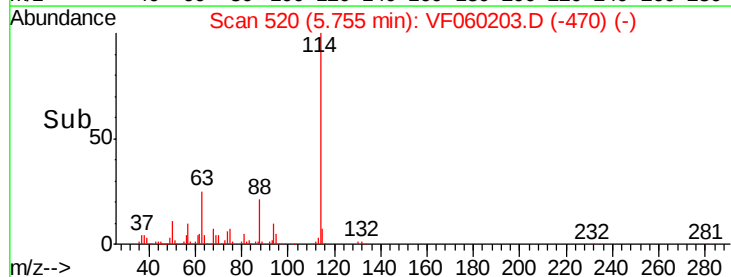
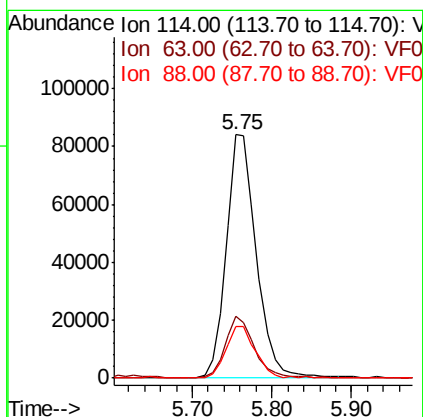
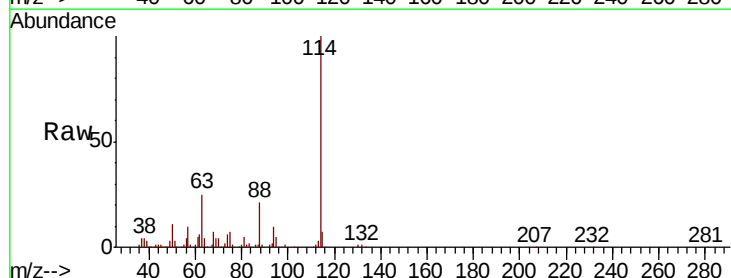
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

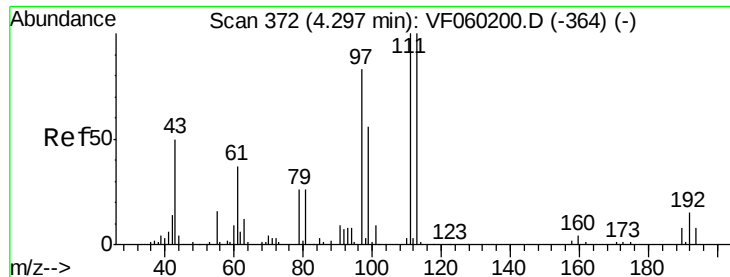
Tgt Ion: 65 Resp: 203209
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 87.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion: 114 Resp: 221626
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 45.6
 88 21.0 0.0 46.4





#35

Dibromofluoromethane

Concen: 73.020 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

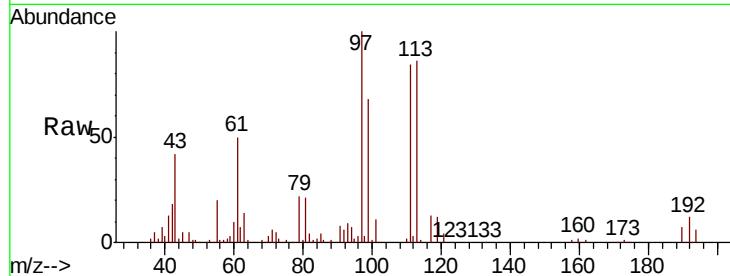
Tgt Ion: 113 Resp: 157943

Ion Ratio Lower Upper

113 100

111 97.4 80.2 120.2

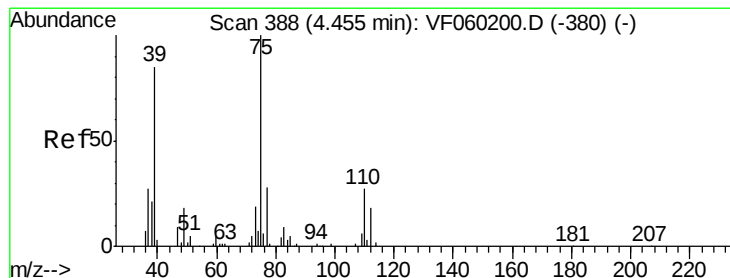
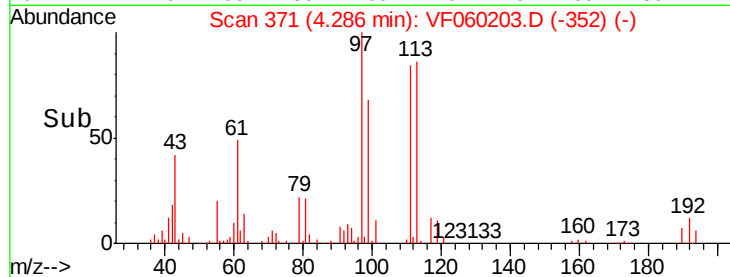
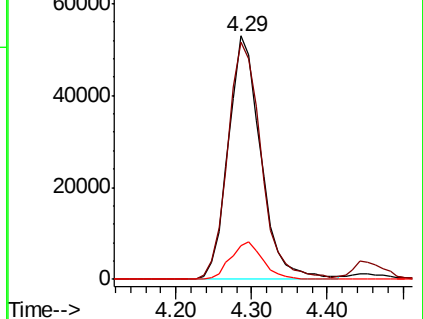
192 13.9 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 76.718 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

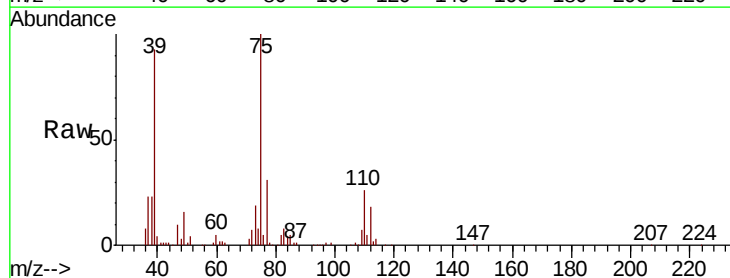
Tgt Ion: 75 Resp: 197331

Ion Ratio Lower Upper

75 100

110 25.8 13.6 40.7

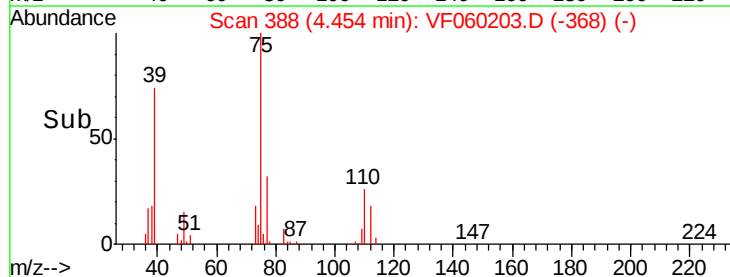
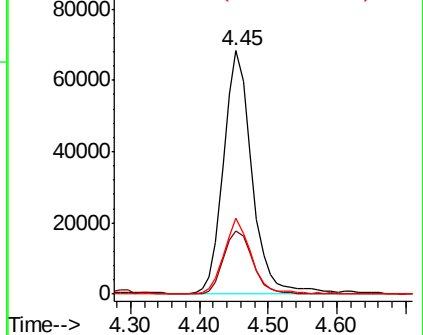
77 31.4 22.7 34.1

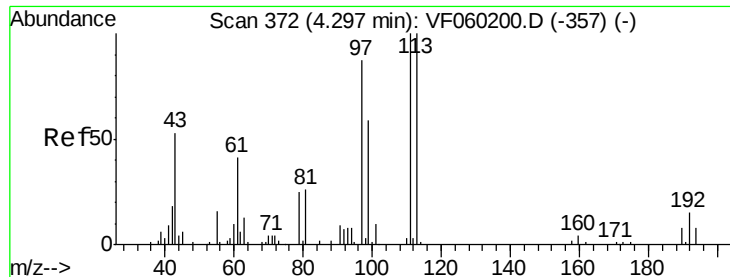


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

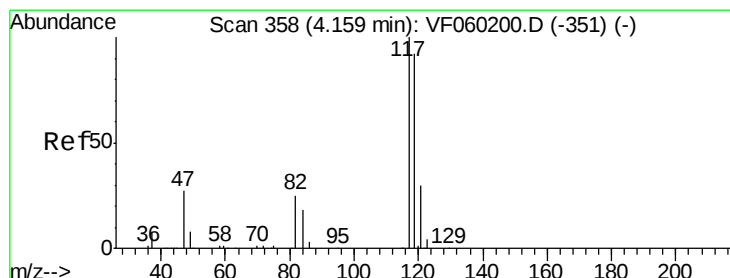
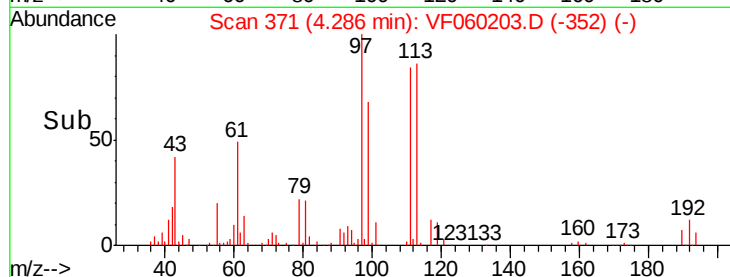
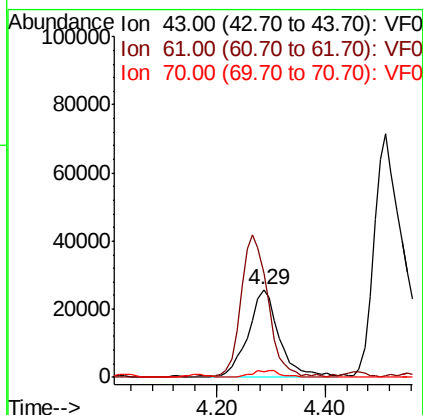
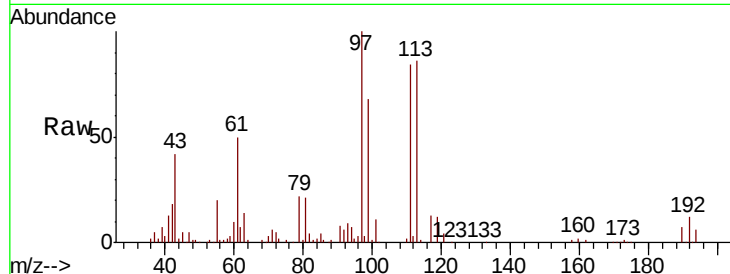




#37
Ethyl Acetate
Concen: 70.406 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

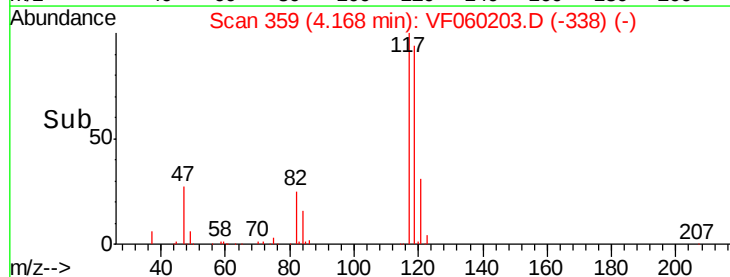
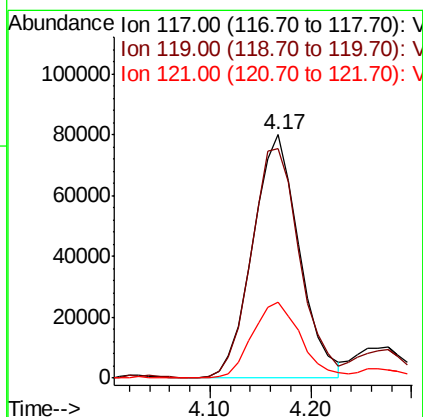
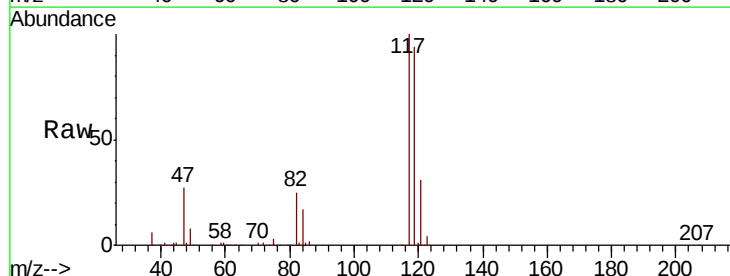
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

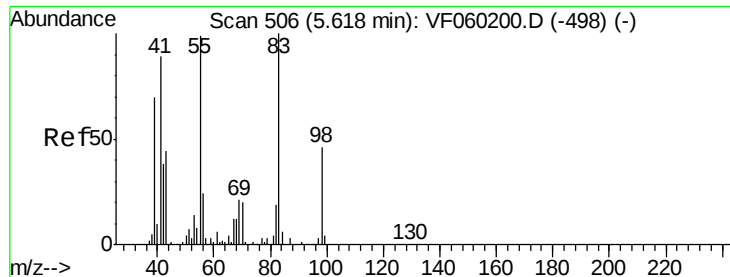
Tgt Ion: 43 Resp: 99655
Ion Ratio Lower Upper
43 100
61 118.4 61.6 92.4#
70 7.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 71.288 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 117 Resp: 256414
Ion Ratio Lower Upper
117 100
119 94.3 73.0 109.6
121 31.1 23.9 35.9

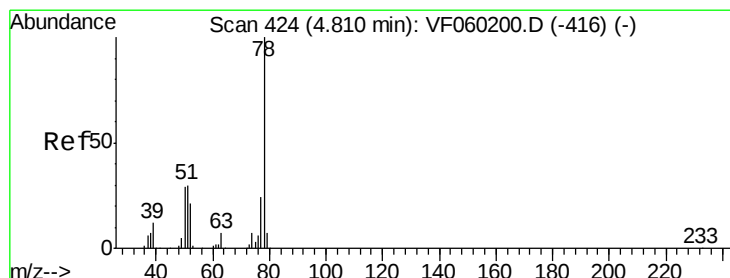
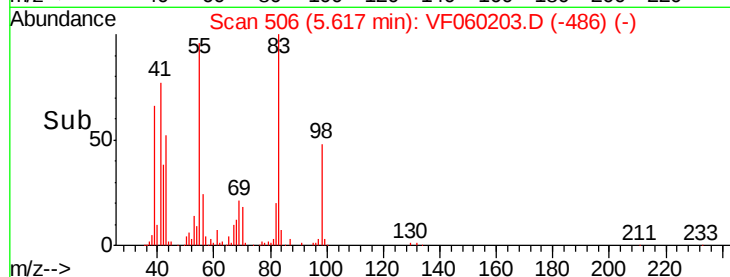
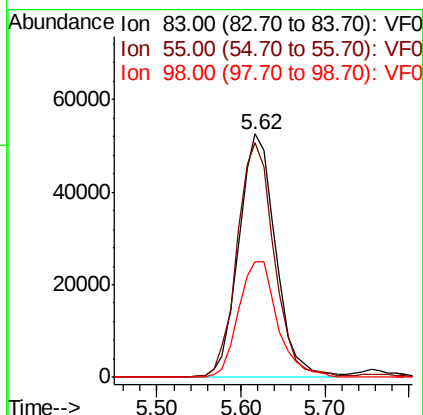
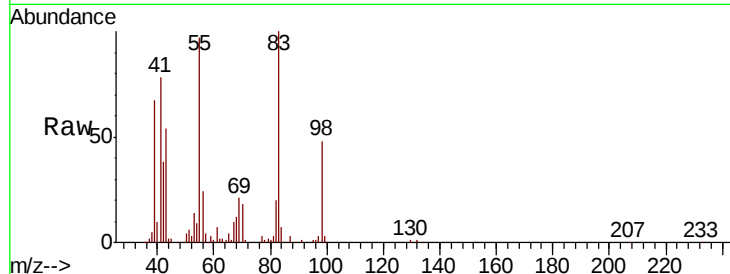




#39
Methylcyclohexane
Concen: 74.350 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

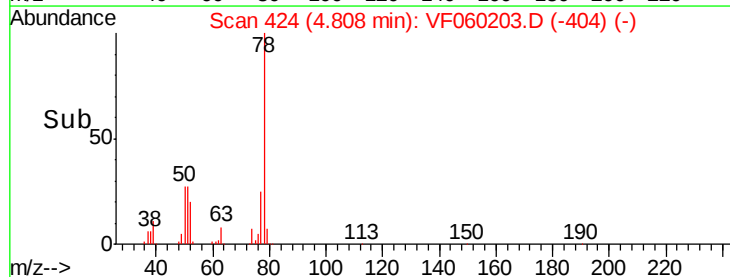
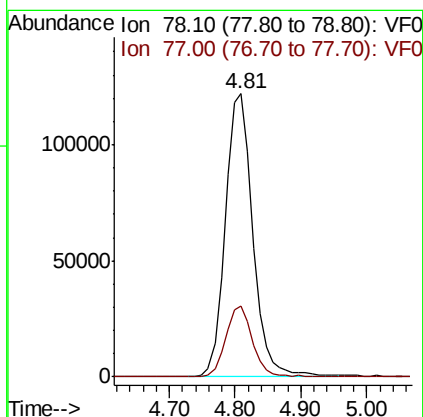
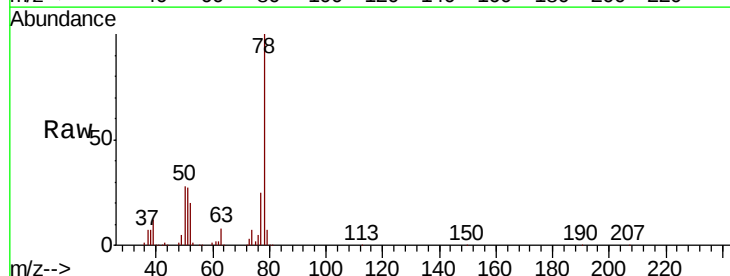
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

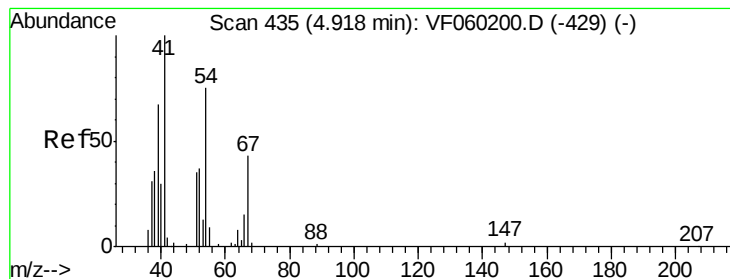
Tgt Ion: 83 Resp: 161573
Ion Ratio Lower Upper
83 100
55 96.6 79.0 118.4
98 47.6 36.7 55.1



#40
Benzene
Concen: 78.150 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 78 Resp: 357563
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.4





#41

Methacrylonitrile

Concen: 75.032 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 50390

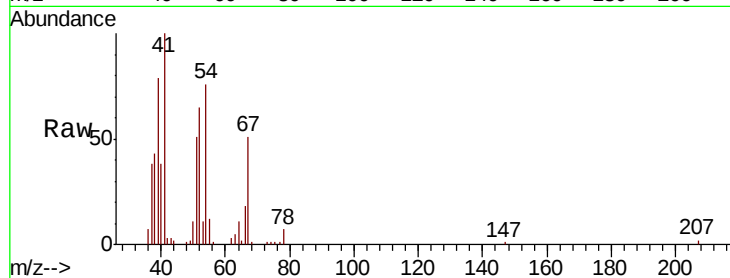
Ion Ratio Lower Upper

41 100

39 78.7 57.4 86.2

67 51.4 34.6 52.0

52 65.1 36.2 54.4#



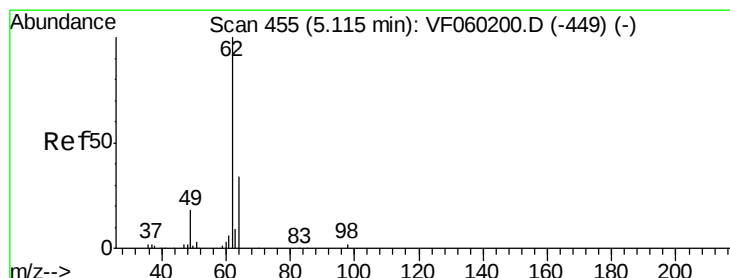
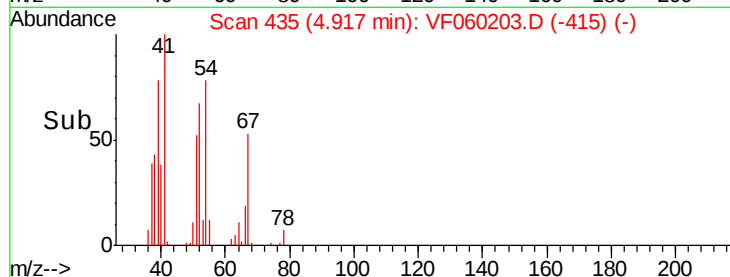
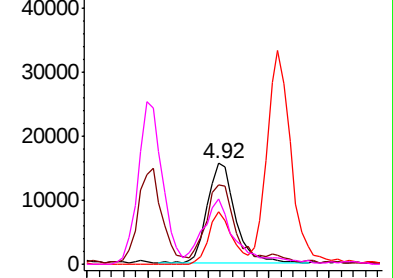
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 74.303 ug/l

RT: 5.11 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF060203.D

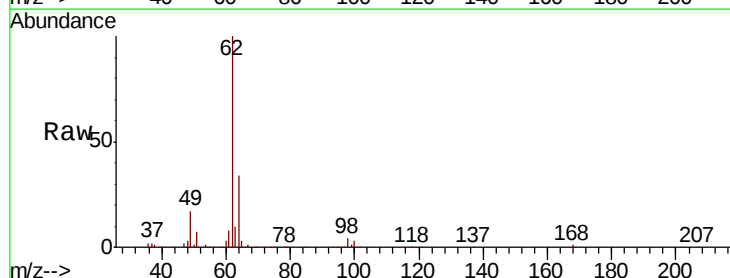
Acq: 6 Sep 2018 15:56

Tgt Ion: 62 Resp: 249653

Ion Ratio Lower Upper

62 100

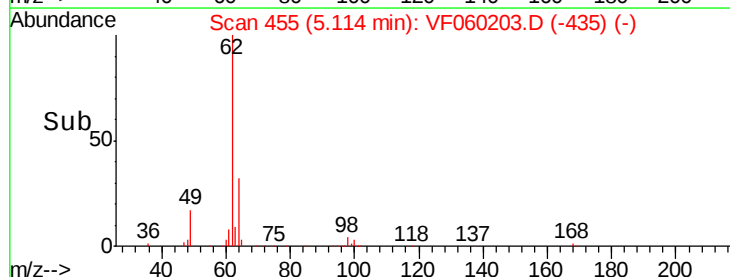
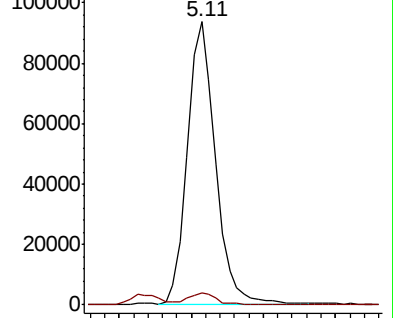
98 4.0 0.0 8.8

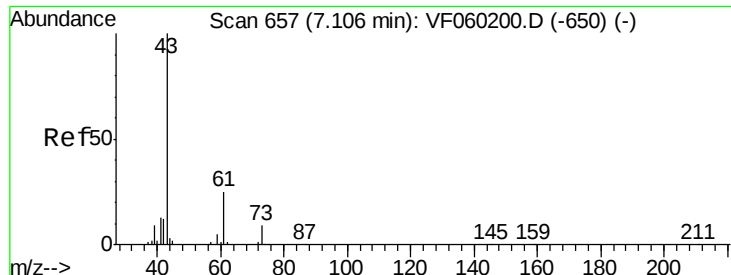


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 76.889 ug/l

RT: 7.11 min Scan# 657

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

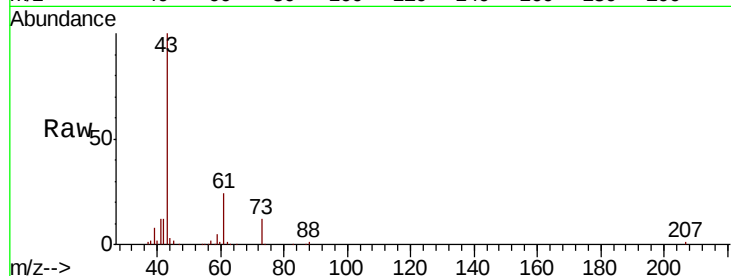
Tgt Ion: 43 Resp: 116629

Ion Ratio Lower Upper

43 100

61 24.5 19.9 29.9

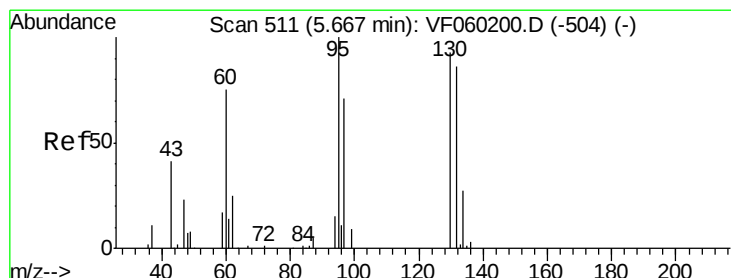
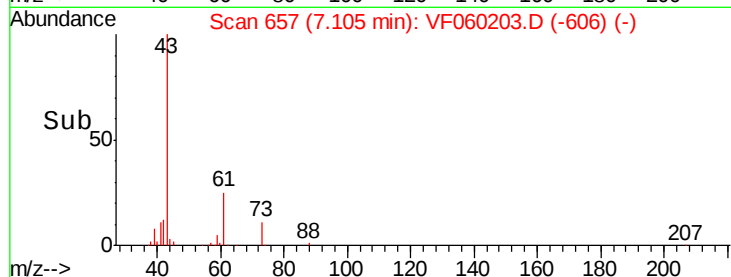
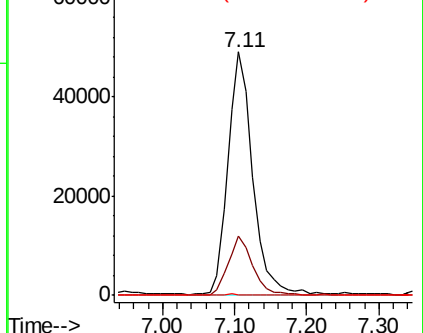
87 0.4 0.4 0.6#



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: 67.016 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.00 min

Lab File: VF060203.D

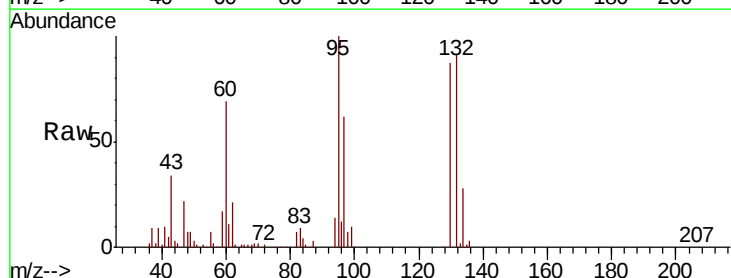
Acq: 6 Sep 2018 15:56

Tgt Ion: 130 Resp: 126370

Ion Ratio Lower Upper

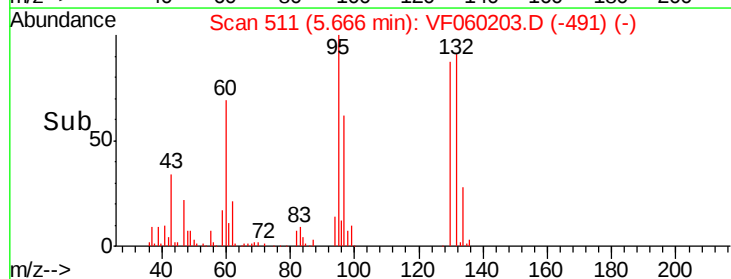
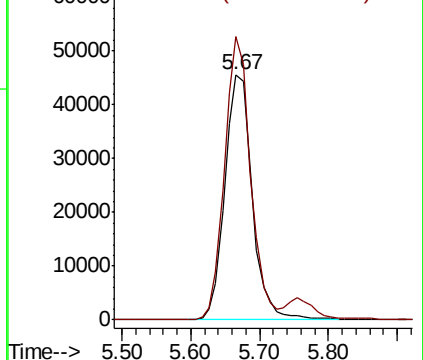
130 100

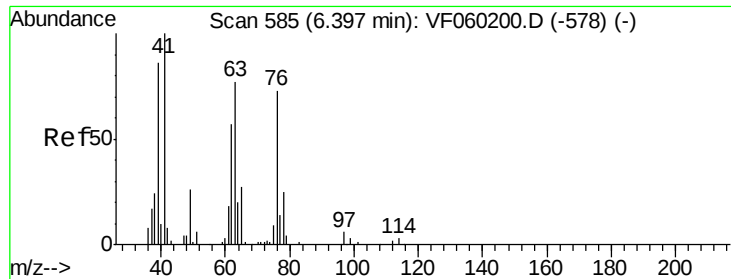
95 115.5 0.0 215.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 74.007 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

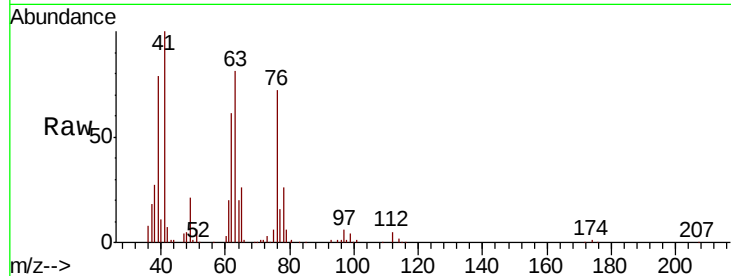
VSTDIC075

Tgt Ion: 63 Resp: 96843

Ion Ratio Lower Upper

63 100

65 32.3 27.9 41.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.40

40000

30000

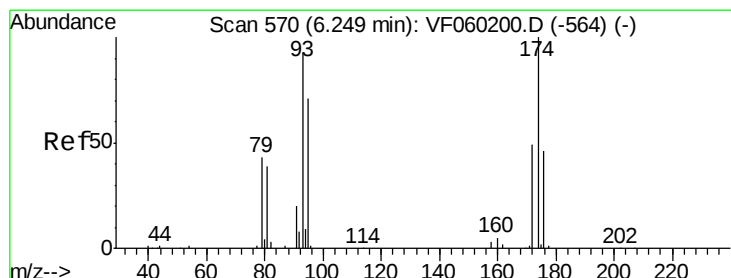
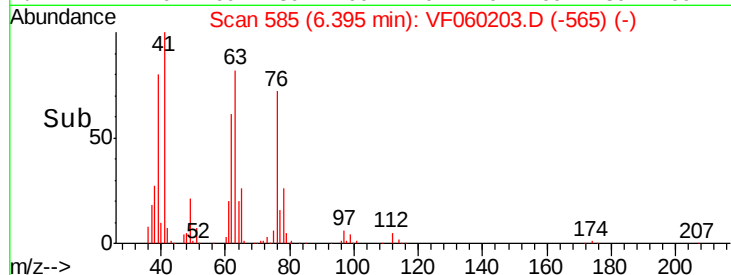
20000

10000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 72.744 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

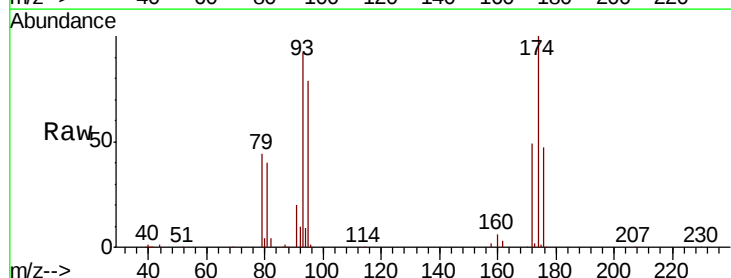
Tgt Ion: 93 Resp: 85064

Ion Ratio Lower Upper

93 100

95 85.9 61.4 92.2

174 109.0 85.9 128.9



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

40000

30000

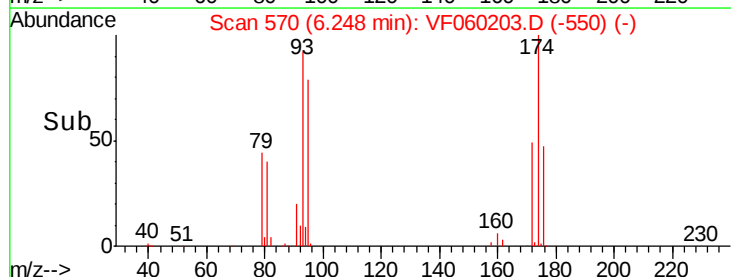
20000

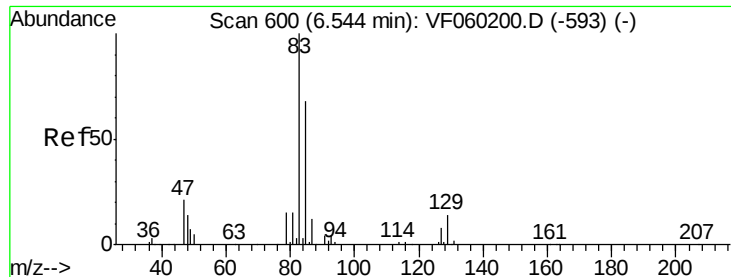
10000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 76.097 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

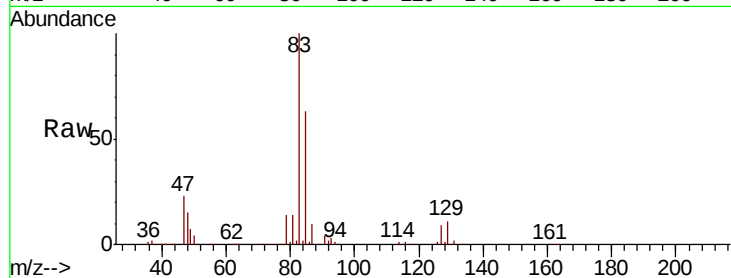
Tgt Ion: 83 Resp: 240361

Ion Ratio Lower Upper

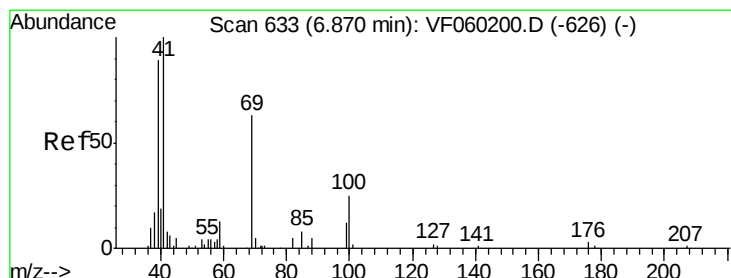
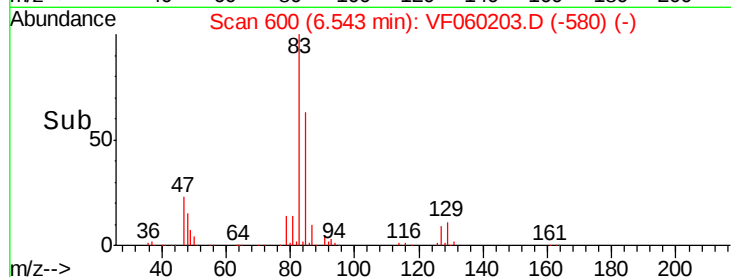
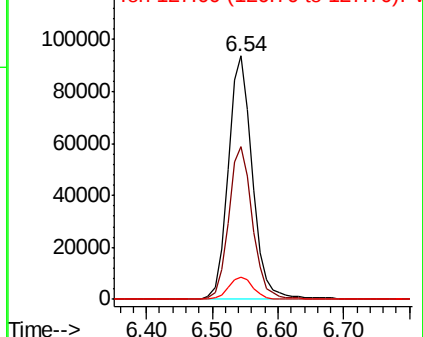
83 100

85 62.6 54.0 81.0

127 8.9 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: 76.897 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

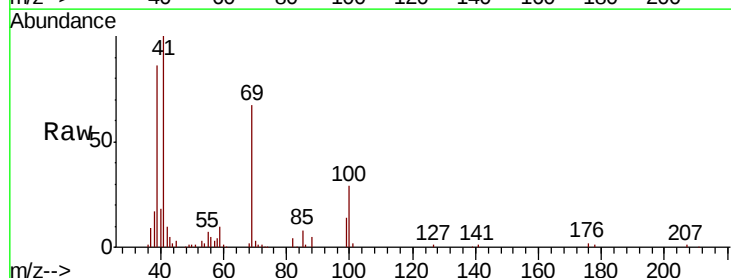
Tgt Ion: 41 Resp: 92346

Ion Ratio Lower Upper

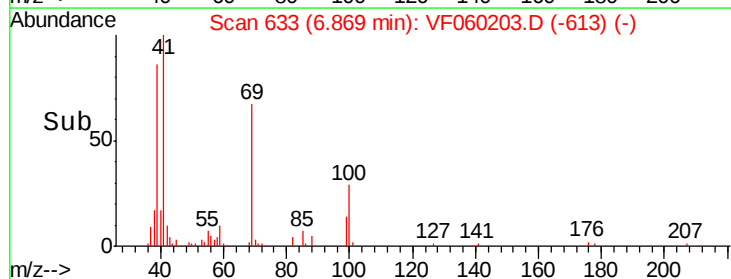
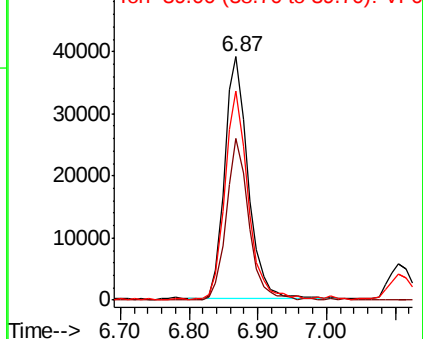
41 100

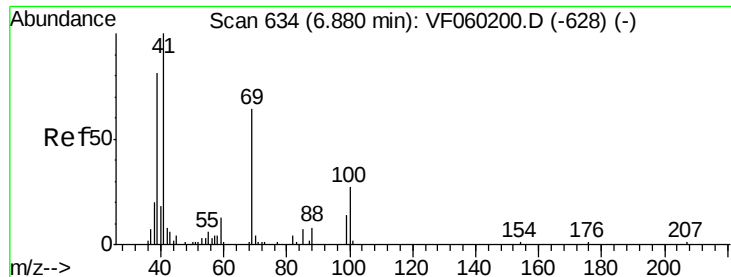
69 66.7 50.4 75.6

39 85.9 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: 229.423 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

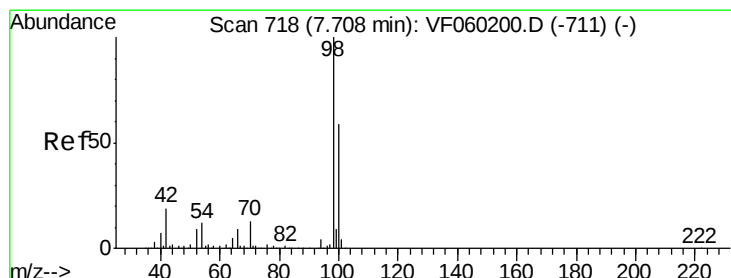
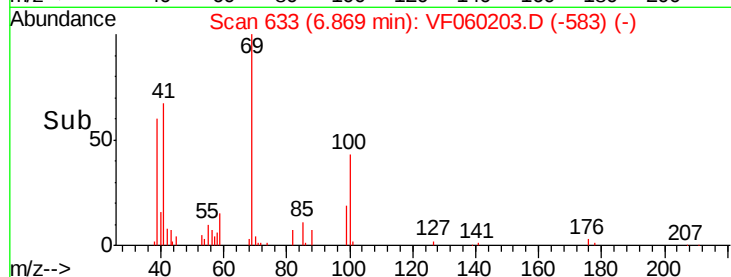
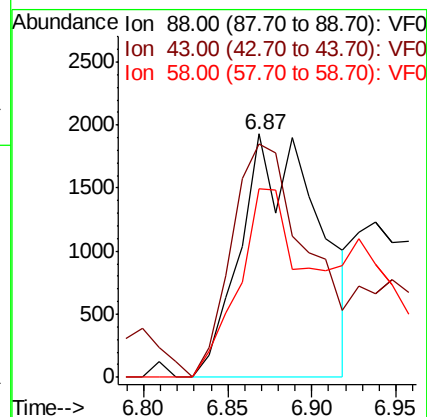
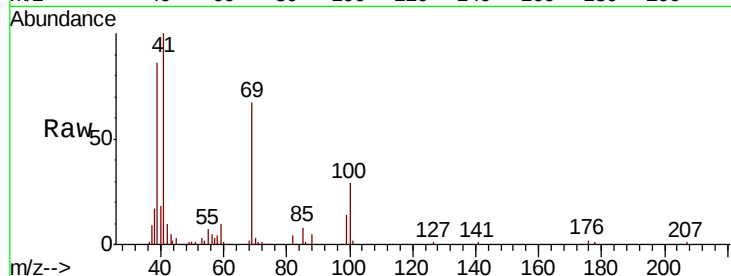
Tgt Ion: 88 Resp: 6221

Ion Ratio Lower Upper

88 100

43 95.6 68.1 102.1

58 77.3 38.1 57.1#



#50

Toluene-d8

Concen: 73.315 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.00 min

Lab File: VF060203.D

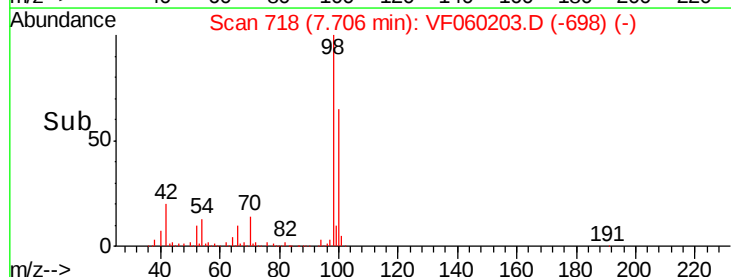
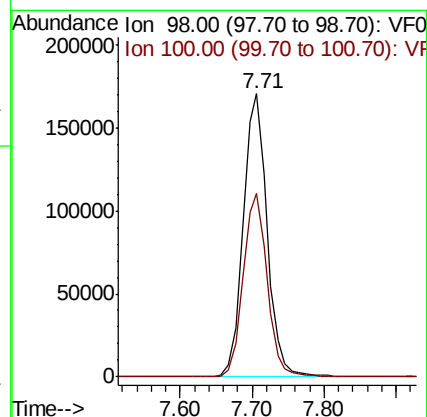
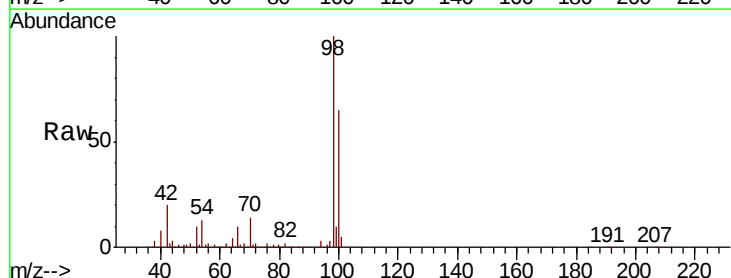
Acq: 6 Sep 2018 15:56

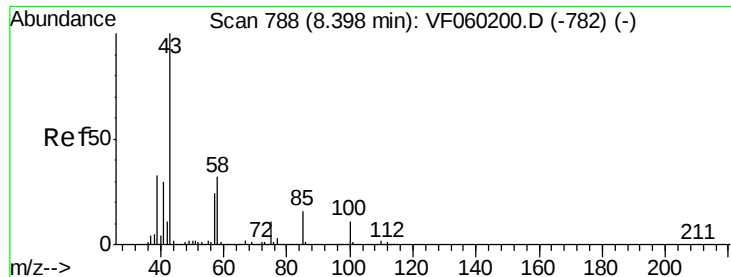
Tgt Ion: 98 Resp: 394660

Ion Ratio Lower Upper

98 100

100 65.0 47.4 71.0





#51

4-Methyl-2-Pentanone

Concen: 373.651 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

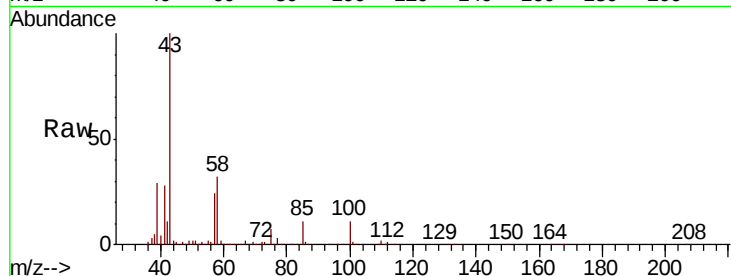
VSTDIC075

Tgt Ion: 43 Resp: 503580

Ion Ratio Lower Upper

43 100

58 32.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

200000

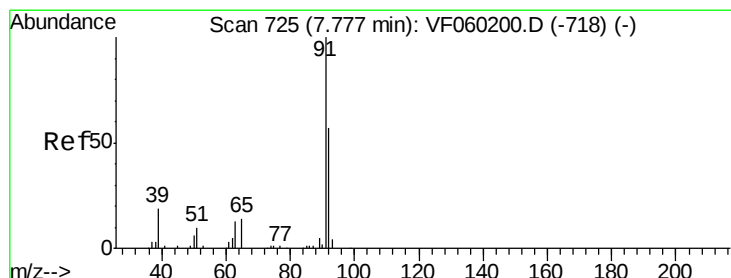
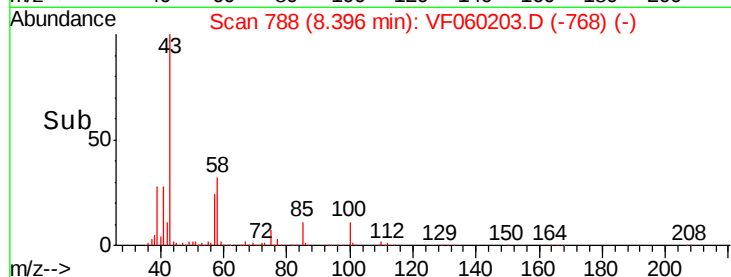
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 72.690 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060203.D

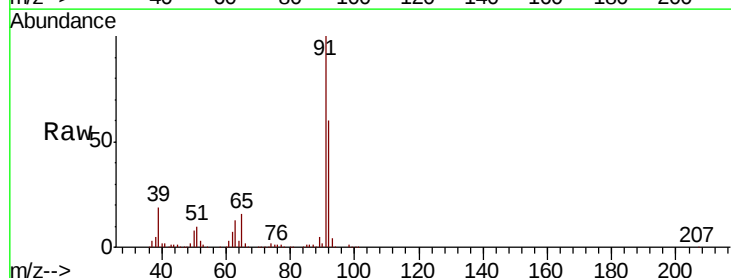
Acq: 6 Sep 2018 15:56

Tgt Ion: 92 Resp: 257952

Ion Ratio Lower Upper

92 100

91 166.2 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

200000

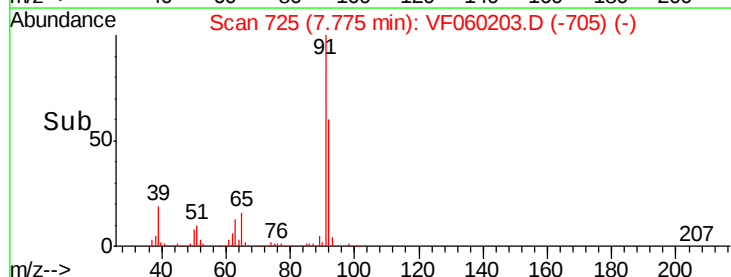
150000

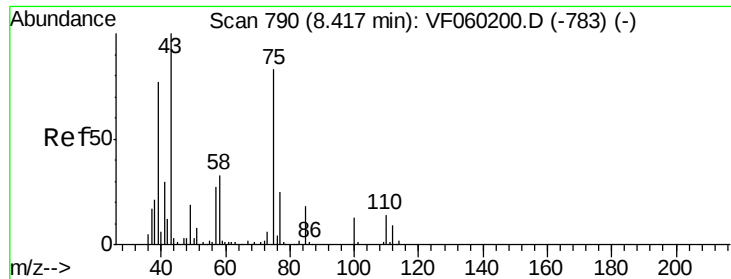
100000

50000

0

Time-->

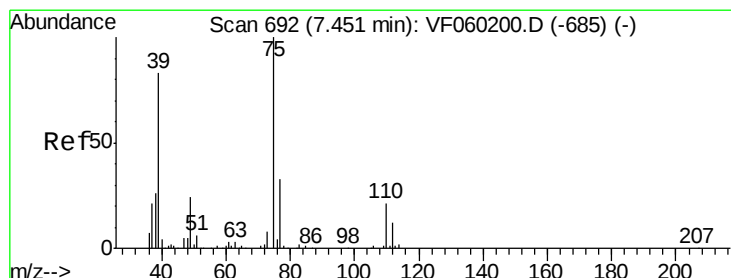
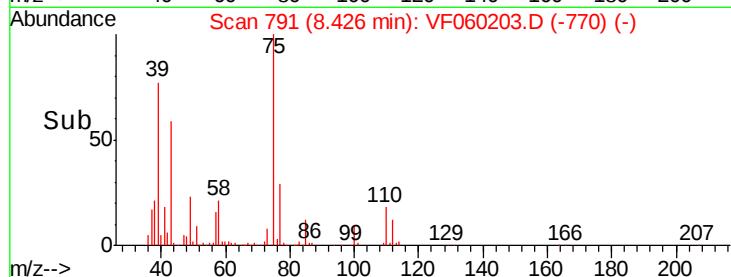
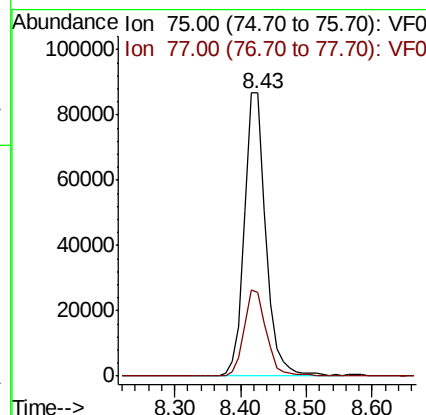
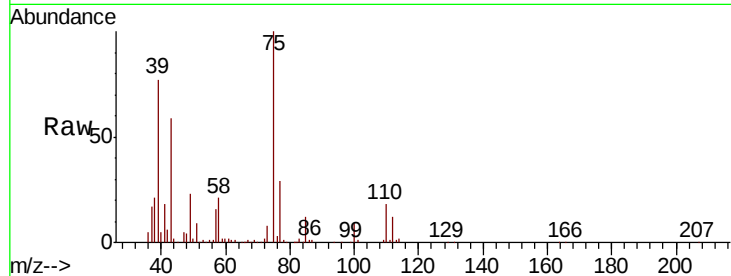




#53
 t-1,3-Dichloropropene
 Concen: 76.086 ug/l
 RT: 8.43 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

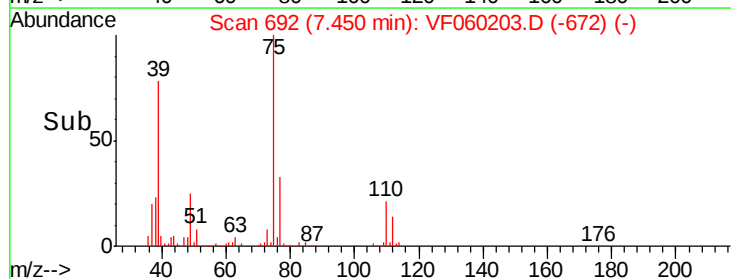
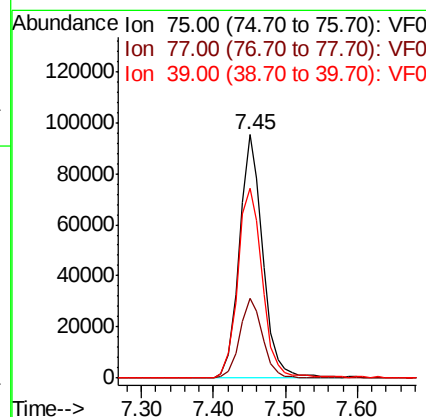
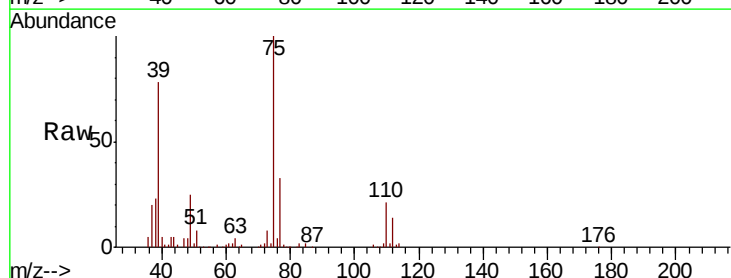
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

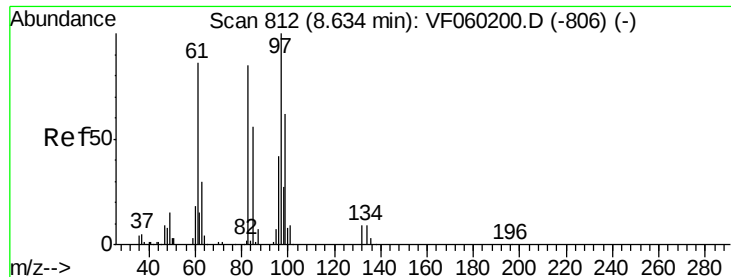
Tgt Ion: 75 Resp: 200534
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 79.728 ug/l
 RT: 7.45 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion: 75 Resp: 215622
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.6 39.8
 39 78.0 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 69.958 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 93323

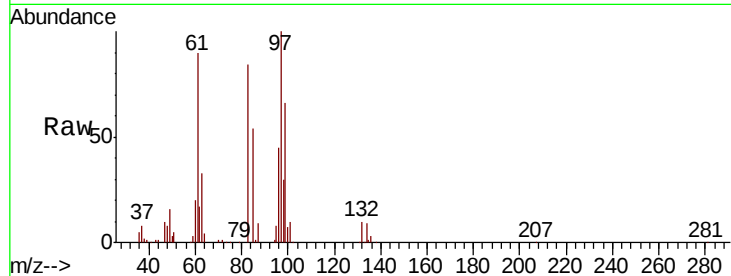
Ion Ratio Lower Upper

97 100

83 83.6 68.1 102.1

85 53.8 44.6 66.8

99 66.4 49.8 74.8

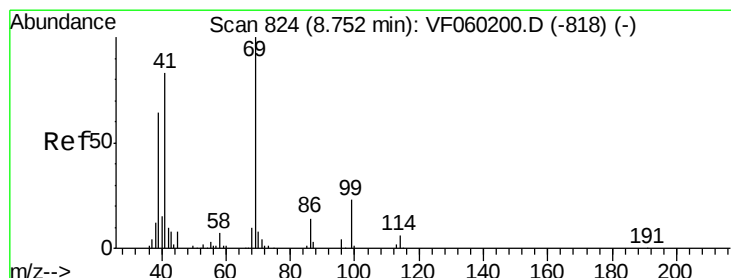
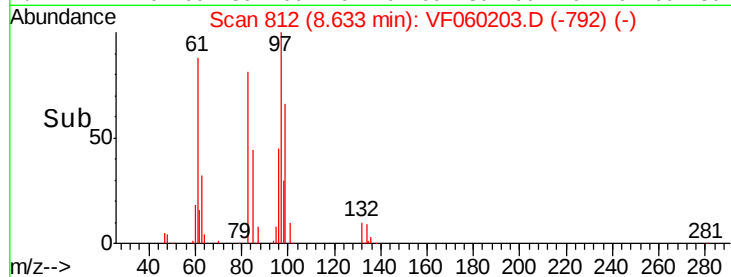
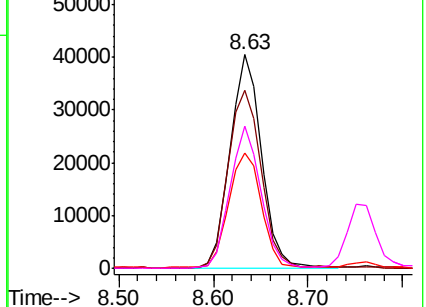


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 82.293 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

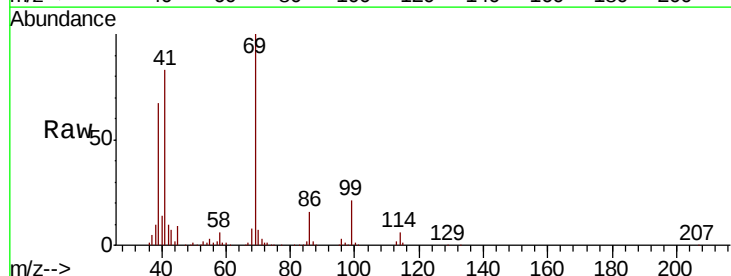
Tgt Ion: 69 Resp: 123613

Ion Ratio Lower Upper

69 100

41 82.5 66.6 100.0

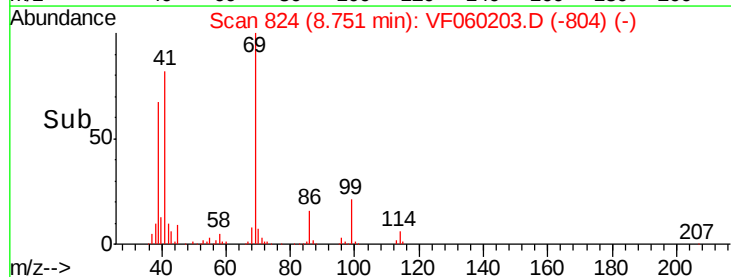
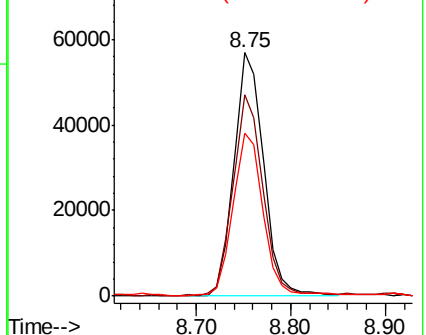
39 67.1 51.5 77.3

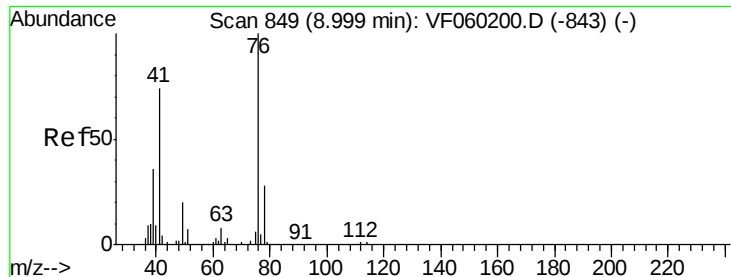


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 72.882 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

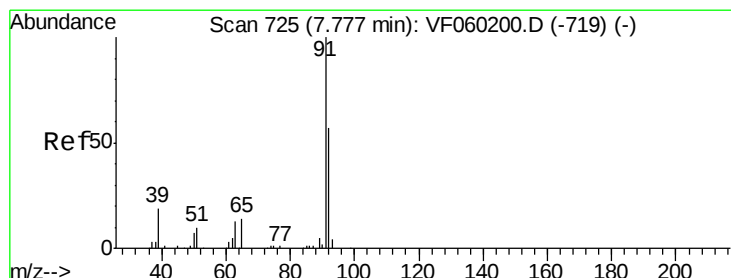
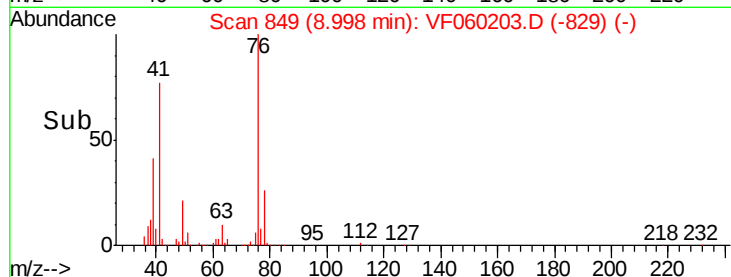
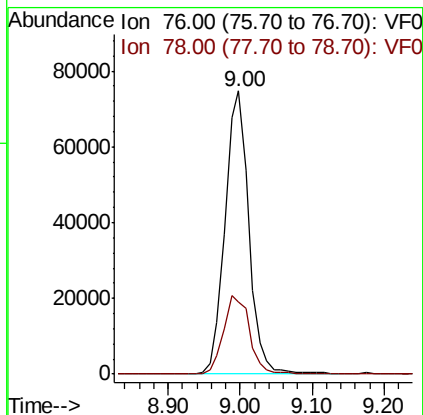
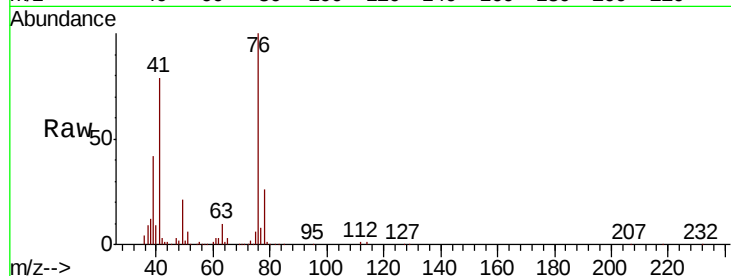
VSTDIC075

Tgt Ion: 76 Resp: 171171

Ion Ratio Lower Upper

76 100

78 25.6 22.8 34.2



#58

2-Chloroethyl Vinyl ether

Concen: 370.557 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060203.D

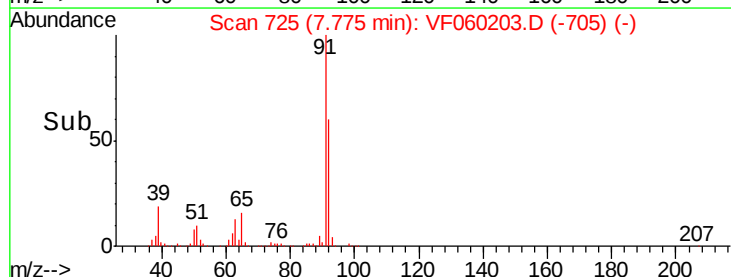
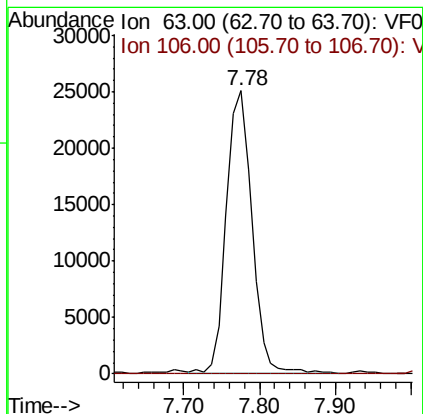
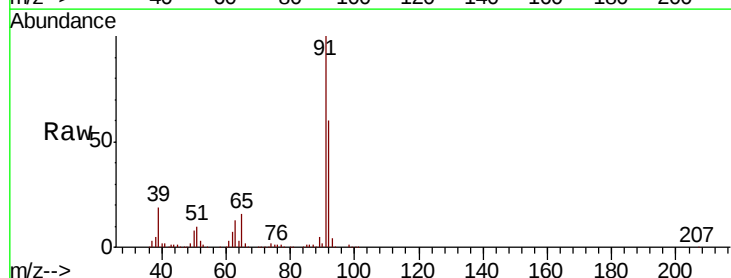
Acq: 6 Sep 2018 15:56

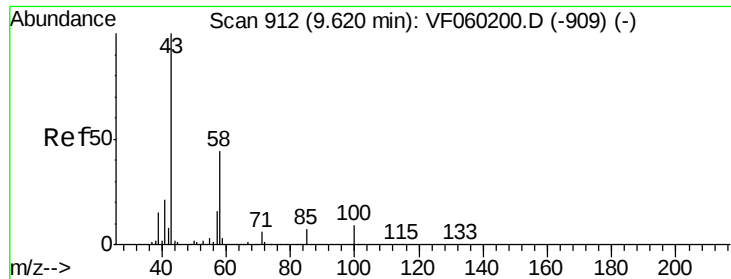
Tgt Ion: 63 Resp: 59331

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

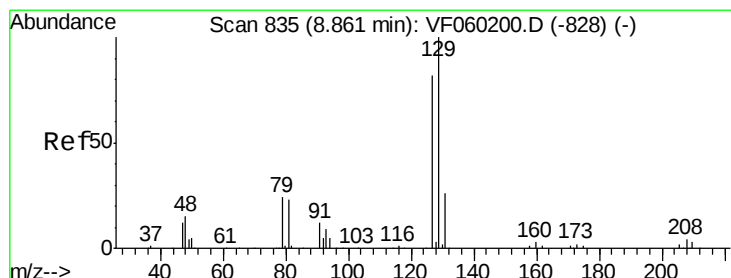
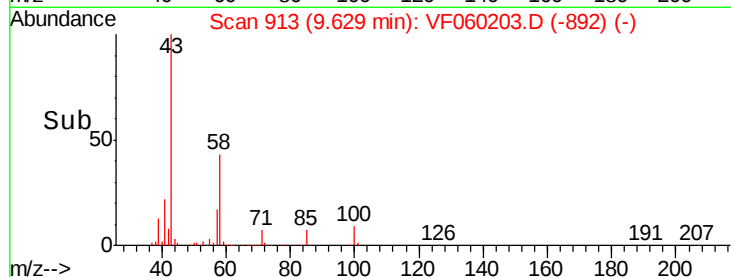
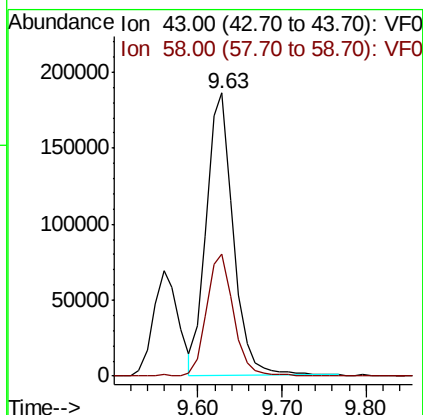
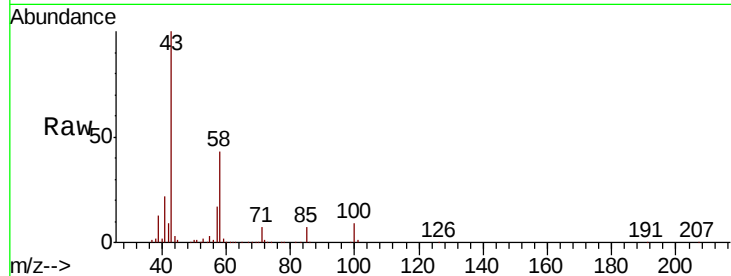




#59
2-Hexanone
Concen: 404.584 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

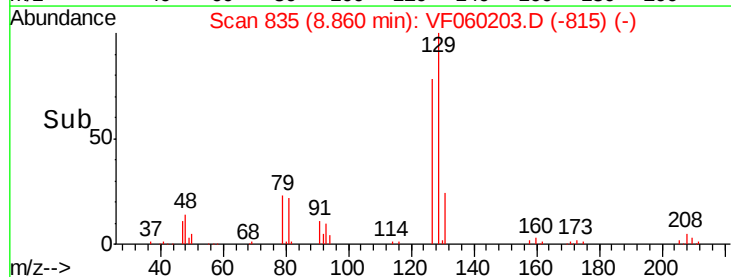
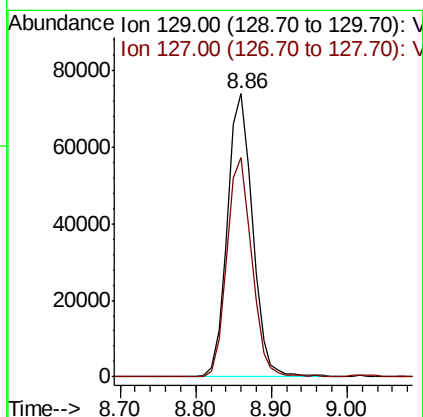
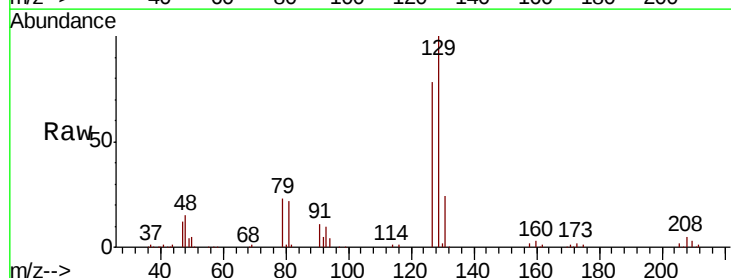
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

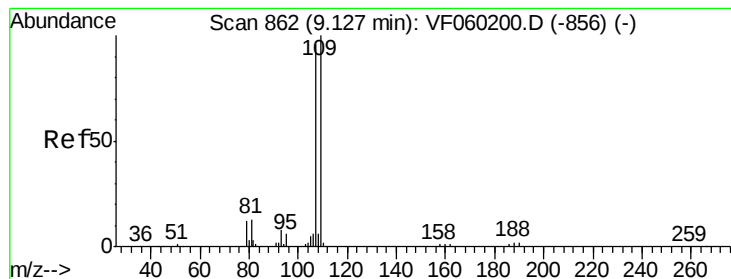
Tgt Ion: 43 Resp: 410645
Ion Ratio Lower Upper
43 100
58 43.0 20.8 62.5



#60
Dibromochloromethane
Concen: 77.367 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 129 Resp: 170093
Ion Ratio Lower Upper
129 100
127 77.5 40.9 122.8





#61

1,2-Dibromoethane

Concen: 75.777 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

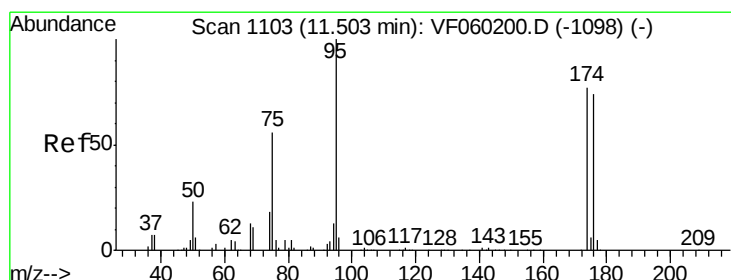
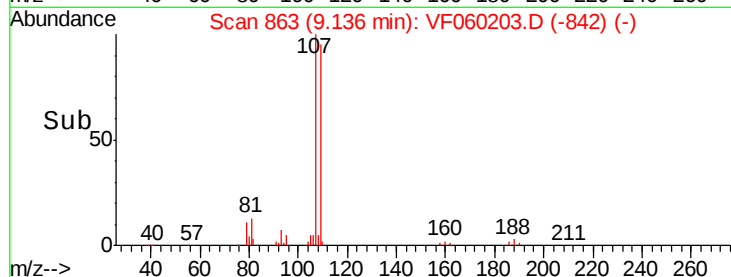
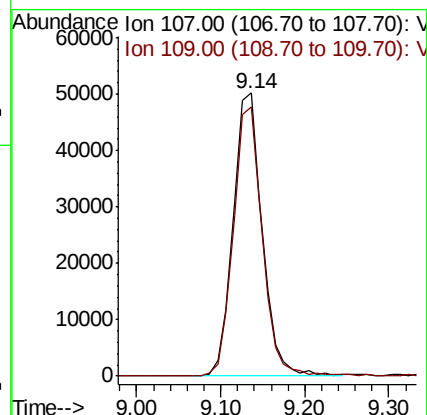
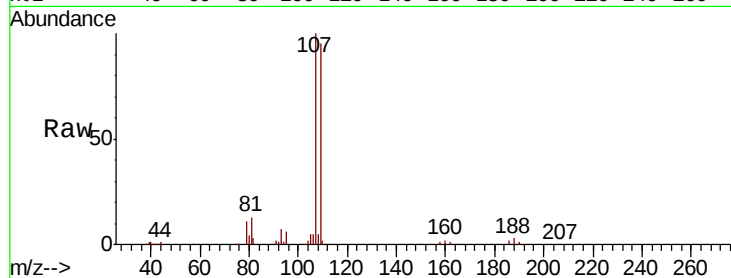
VSTDIC075

Tgt Ion:107 Resp: 120593

Ion Ratio Lower Upper

107 100

109 94.9 83.0 124.4



#62

4-Bromofluorobenzene

Concen: 69.059 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

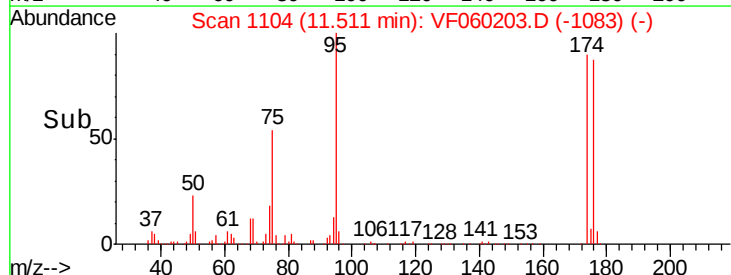
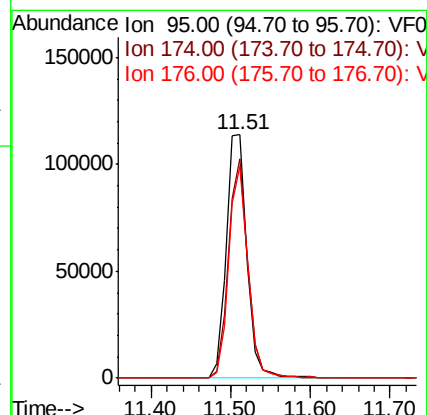
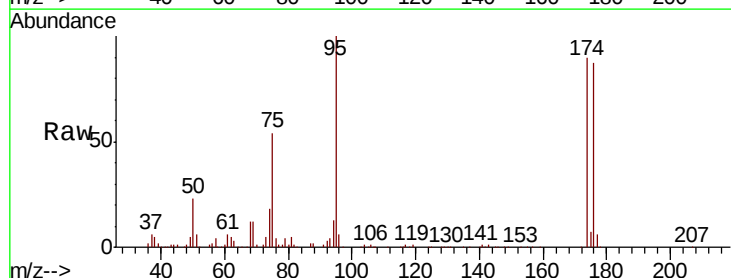
Tgt Ion: 95 Resp: 210491

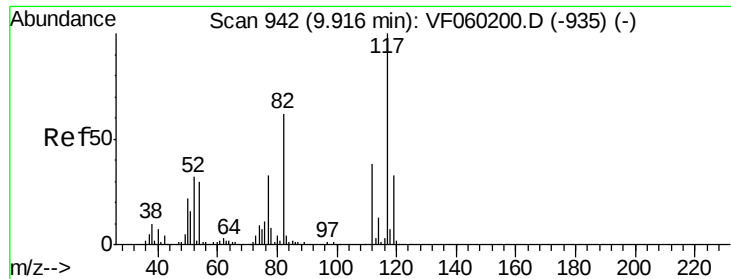
Ion Ratio Lower Upper

95 100

174 90.0 0.0 153.2

176 86.7 0.0 147.2

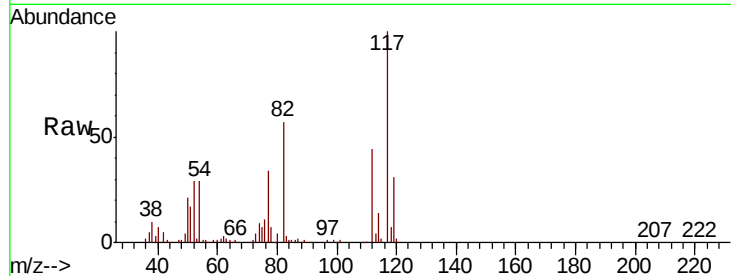




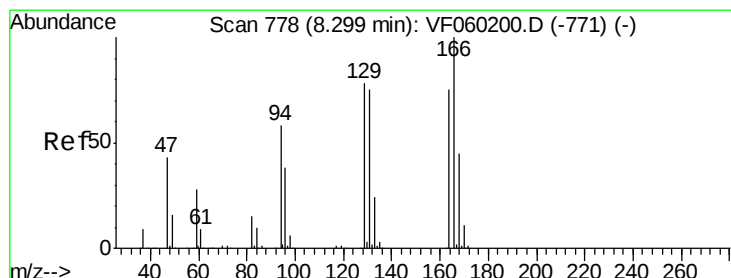
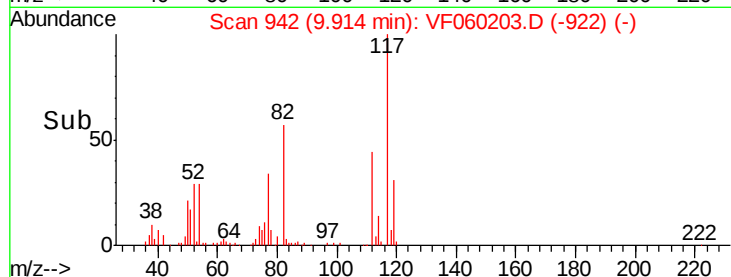
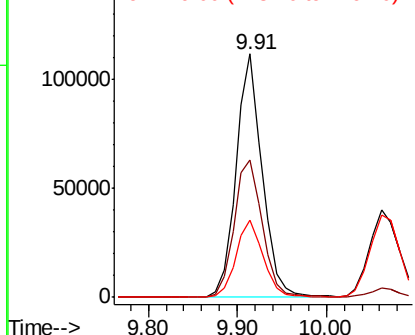
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 228242
Ion Ratio Lower Upper
117 100
82 56.7 49.3 73.9
119 31.5 26.5 39.7

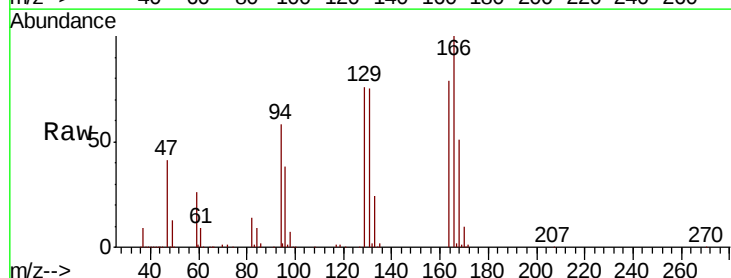


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

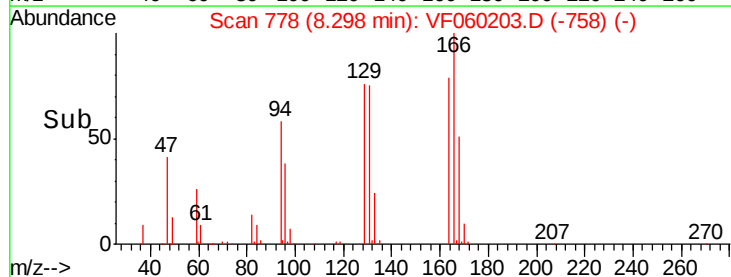
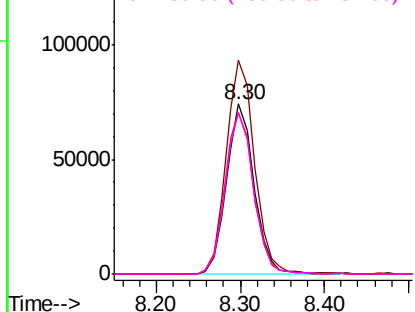


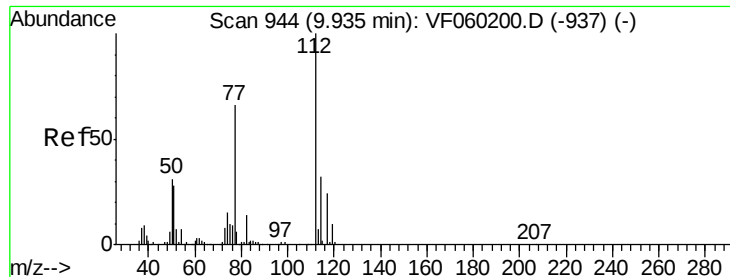
#64
Tetrachloroethene
Concen: 63.809 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion:164 Resp: 169410
Ion Ratio Lower Upper
164 100
166 125.9 107.0 160.4
129 95.3 83.0 124.6
131 95.0 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

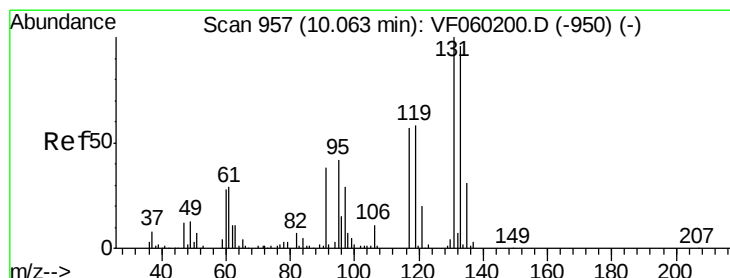
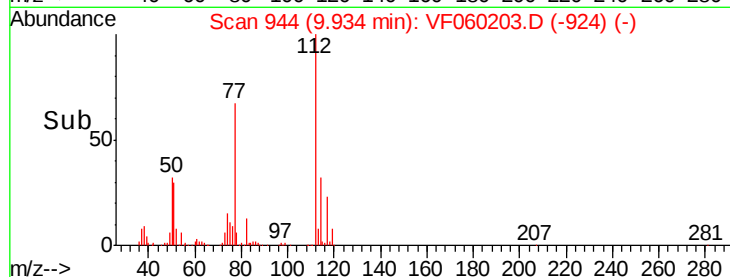
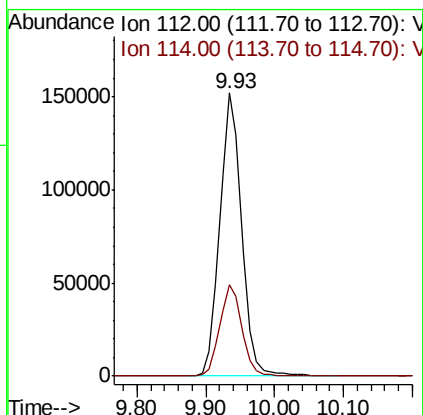
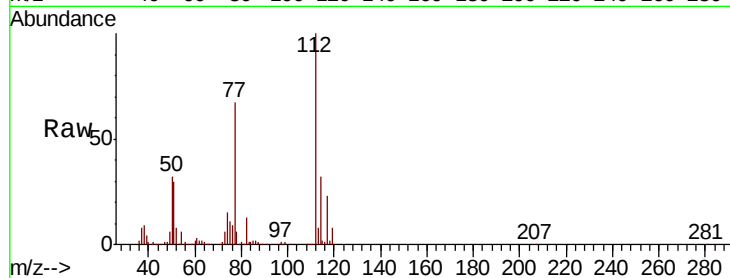




#65
Chlorobenzene
Concen: 70.948 ug/l
RT: 9.93 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

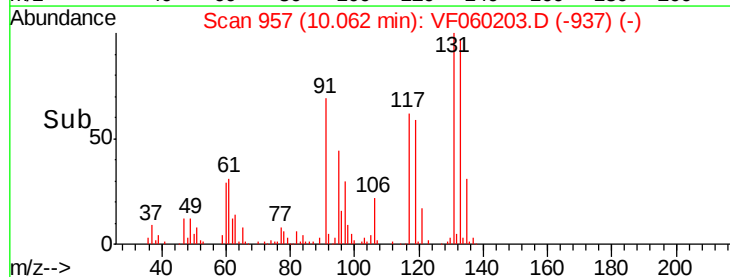
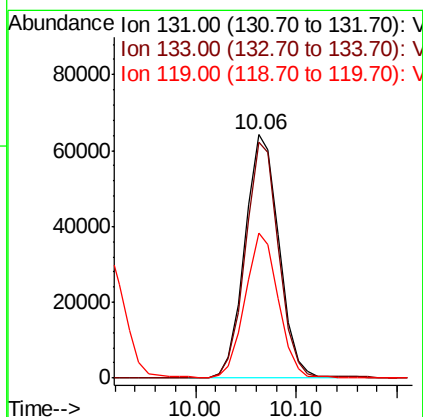
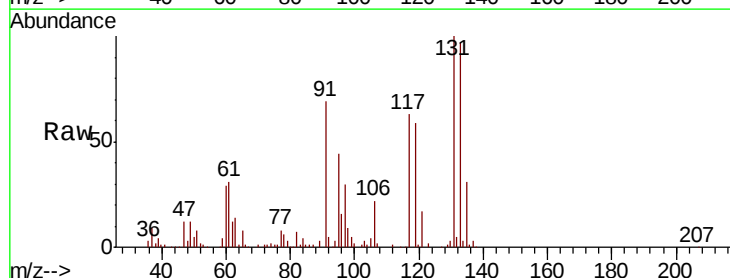
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

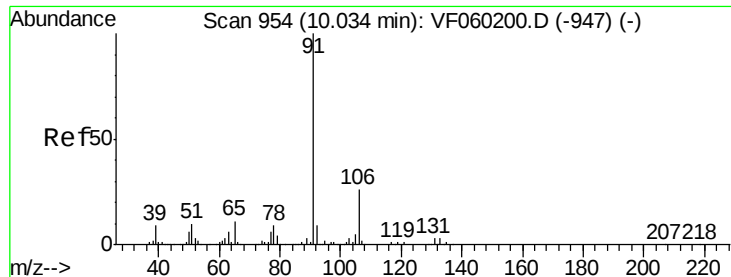
Tgt Ion:112 Resp: 333726
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 73.048 ug/l
RT: 10.06 min Scan# 957
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion:131 Resp: 151622
Ion Ratio Lower Upper
131 100
133 96.9 47.9 143.8
119 59.4 29.0 87.0





#67

Ethyl Benzene

Concen: 72.793 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

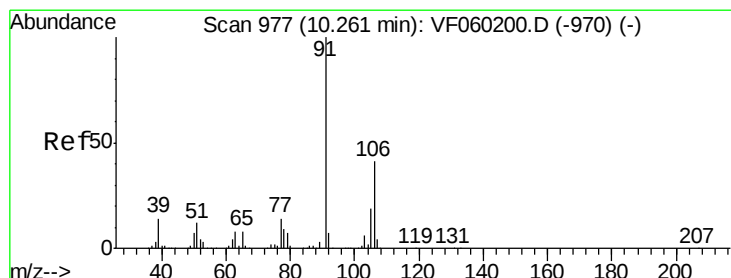
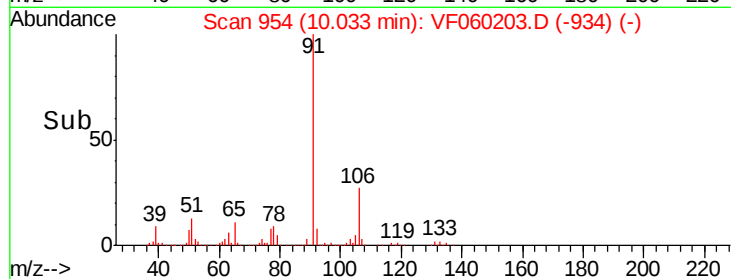
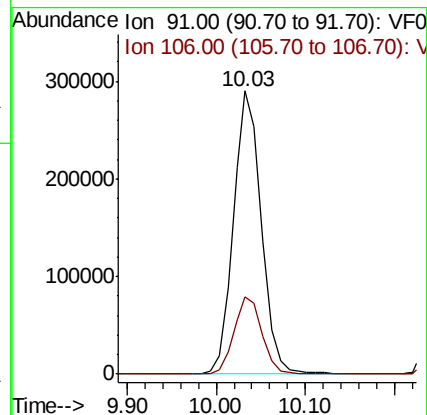
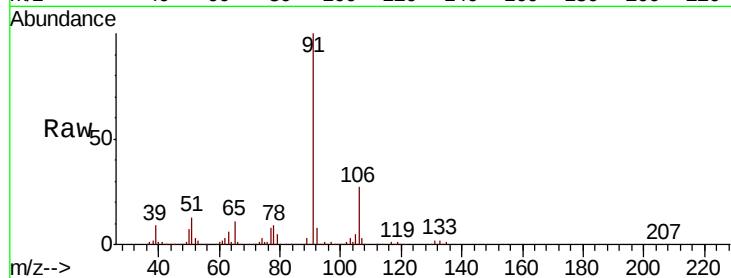
VSTDIC075

Tgt Ion: 91 Resp: 635013

Ion Ratio Lower Upper

91 100

106 27.4 21.1 31.7



#68

m/p-Xylenes

Concen: 146.818 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060203.D

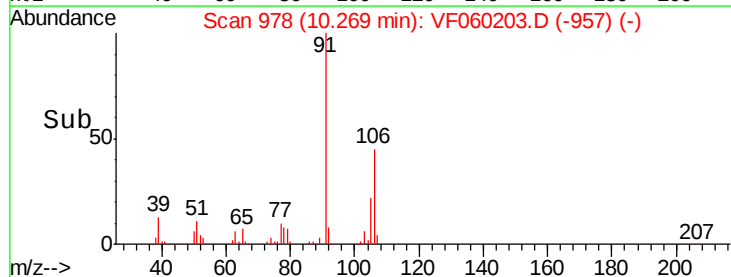
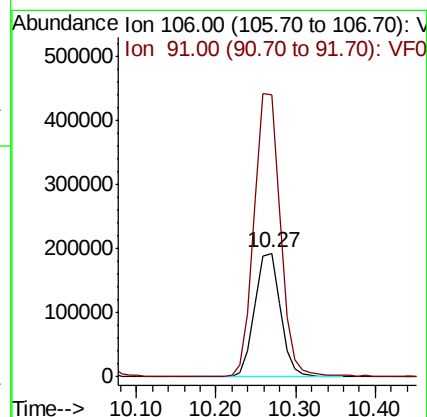
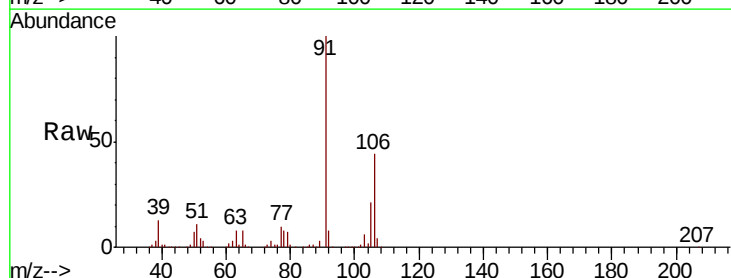
Acq: 6 Sep 2018 15:56

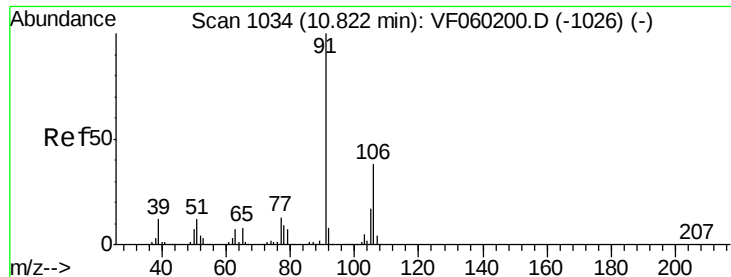
Tgt Ion: 106 Resp: 429187

Ion Ratio Lower Upper

106 100

91 227.8 194.6 291.8

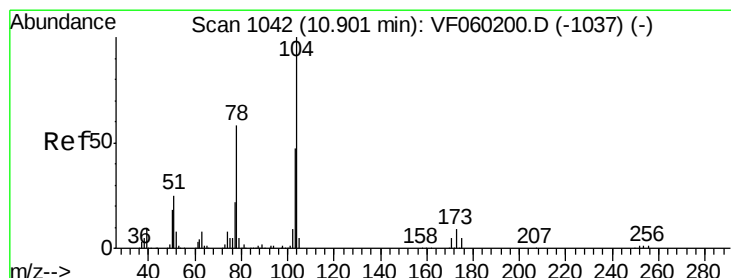
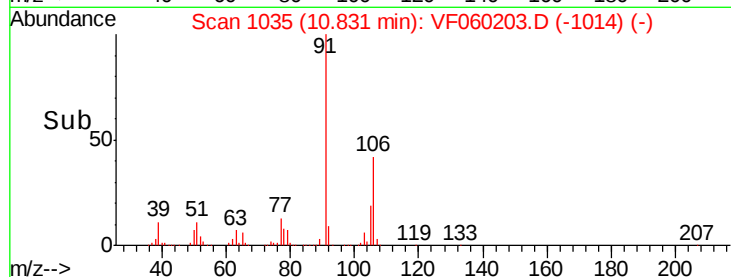
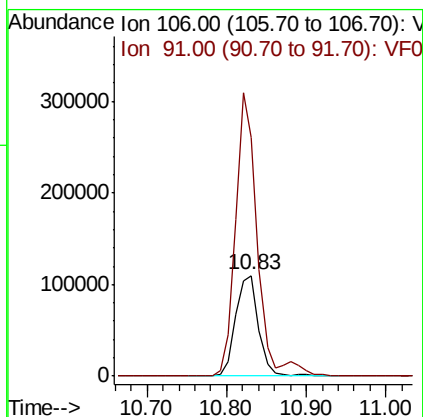
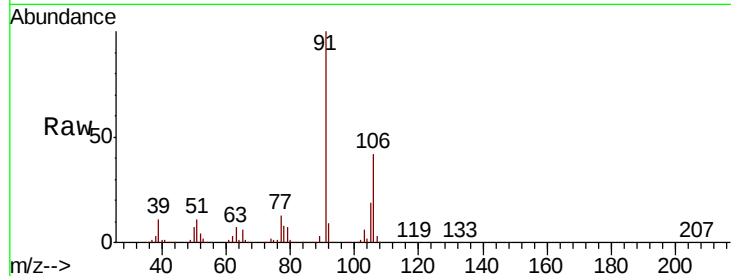




#69
o-Xylene
Concen: 70.521 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

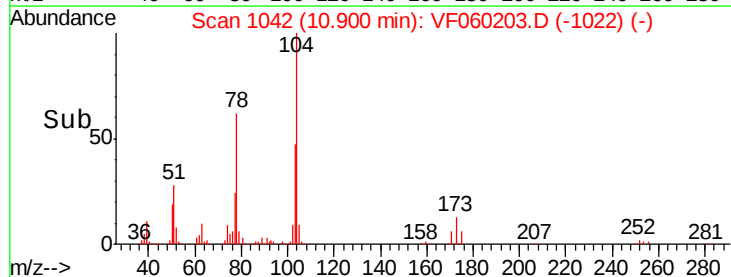
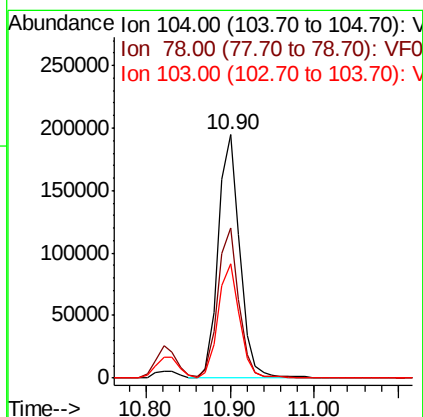
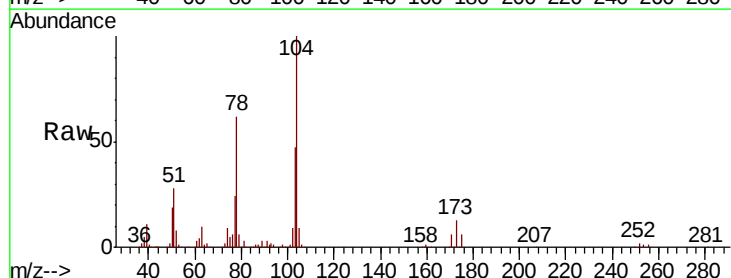
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

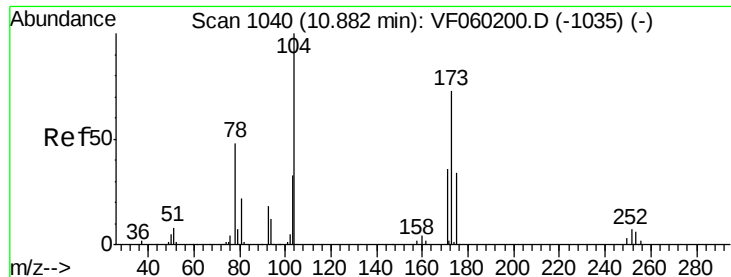
Tgt Ion:106 Resp: 221235
Ion Ratio Lower Upper
106 100
91 238.1 130.5 391.5



#70
Styrene
Concen: 72.689 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion:104 Resp: 344909
Ion Ratio Lower Upper
104 100
78 61.6 47.1 70.7
103 47.1 38.6 57.8





#71

Bromoform

Concen: 77.802 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

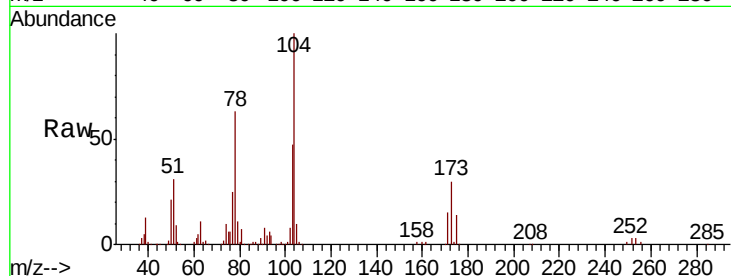
Tgt Ion:173 Resp: 94317

Ion Ratio Lower Upper

173 100

175 44.8 23.1 69.3

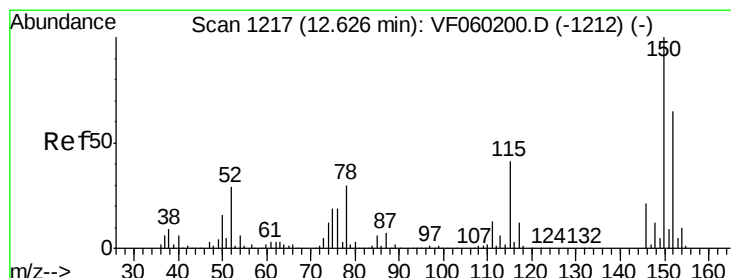
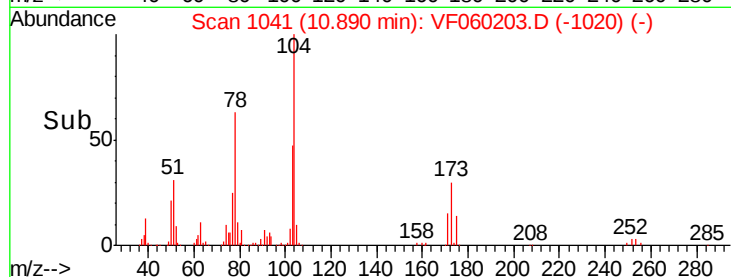
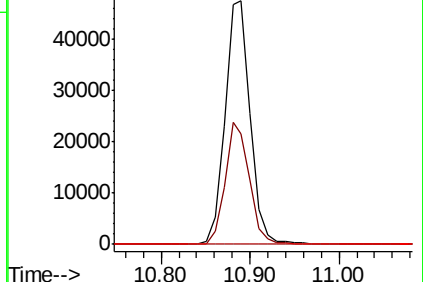
254 0.0 0.2 0.4#



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: VF060203.D

Acq: 6 Sep 2018 15:56

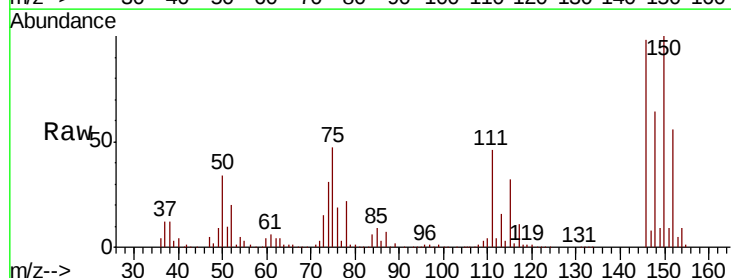
Tgt Ion:152 Resp: 146177

Ion Ratio Lower Upper

152 100

115 56.7 31.5 94.5

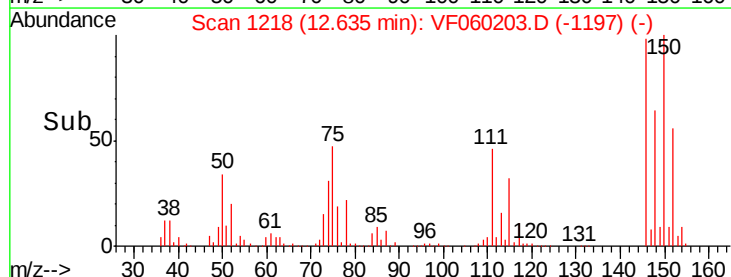
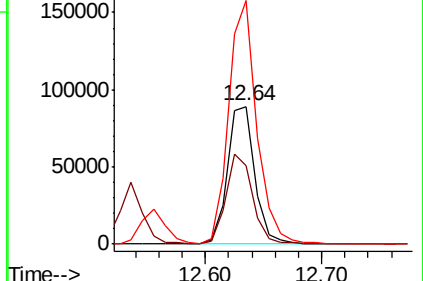
150 177.2 0.0 310.4

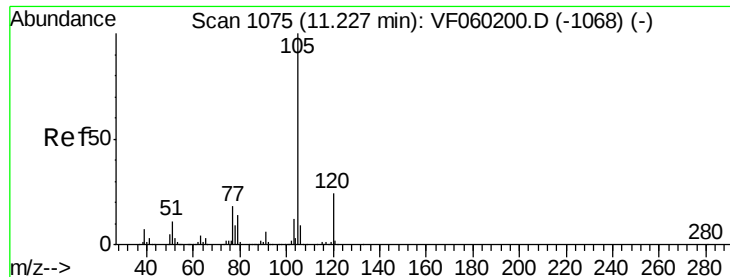


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 69.578 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

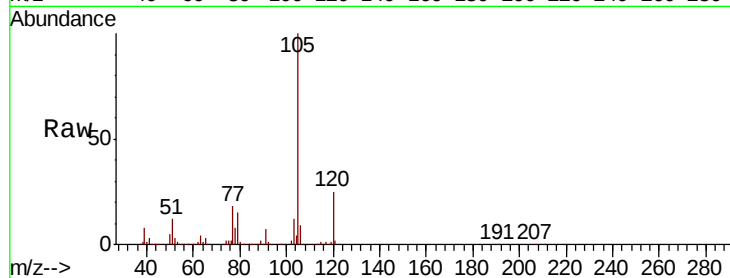
VSTDIC075

Tgt Ion: 105 Resp: 701381

Ion Ratio Lower Upper

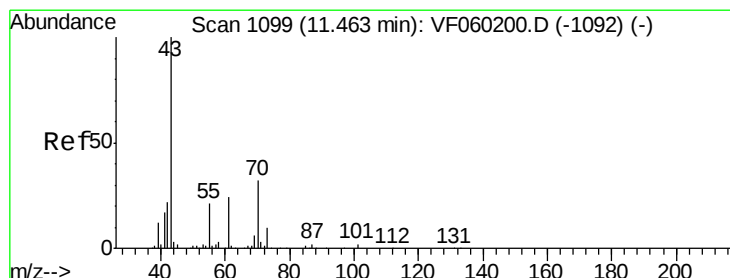
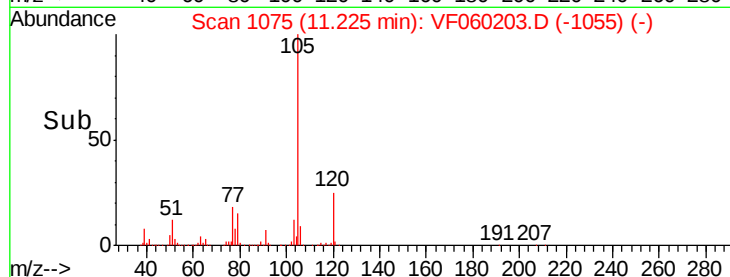
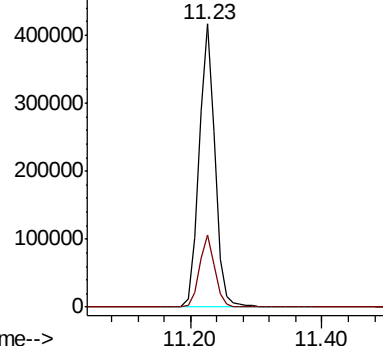
105 100

120 25.4 11.8 35.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 95.716 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Tgt Ion: 43 Resp: 160590

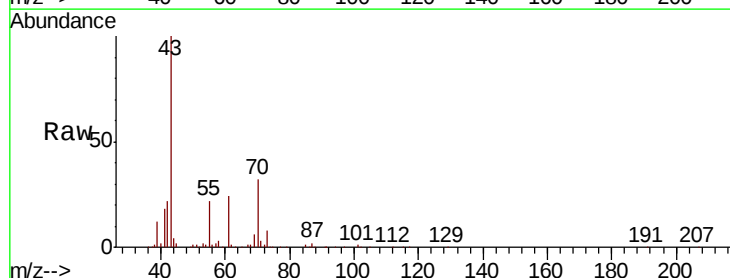
Ion Ratio Lower Upper

43 100

70 32.0 25.8 38.6

55 21.9 16.8 25.2

61 23.9 18.9 28.3

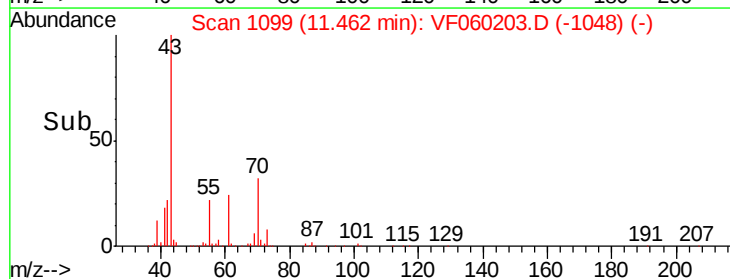
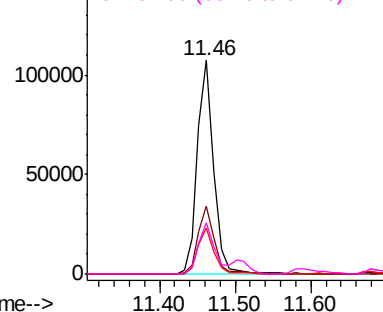


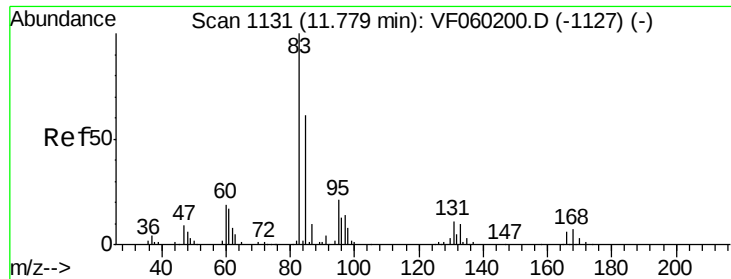
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 77.680 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

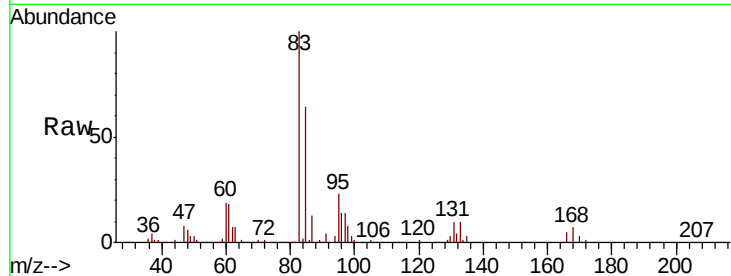
Tgt Ion: 83 Resp: 117612

Ion Ratio Lower Upper

83 100

131 9.8 5.5 16.4

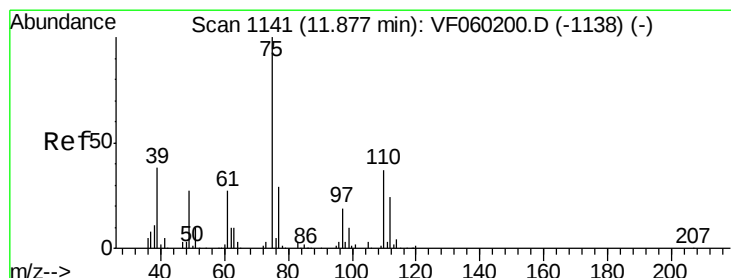
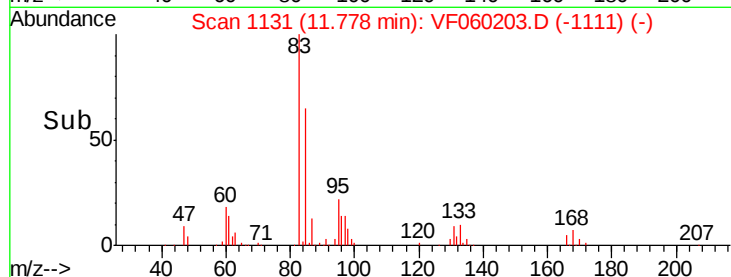
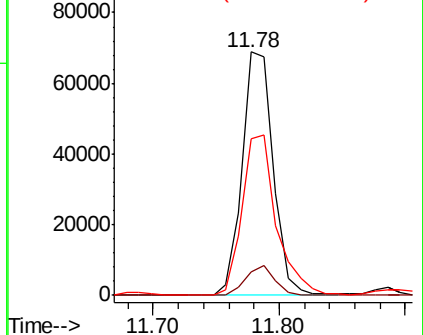
85 64.4 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 74.226 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060203.D

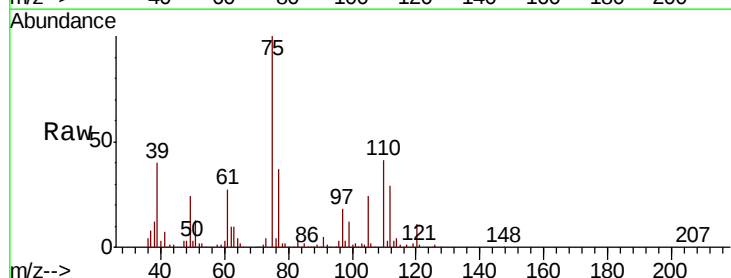
Acq: 6 Sep 2018 15:56

Tgt Ion: 75 Resp: 118863

Ion Ratio Lower Upper

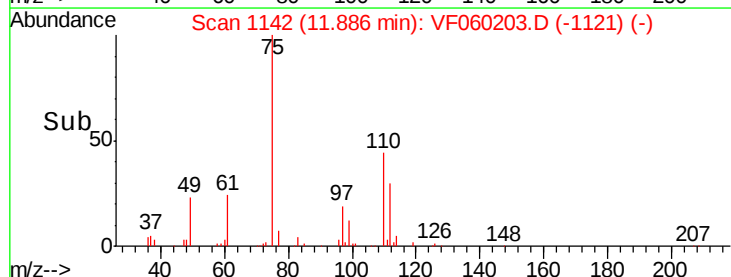
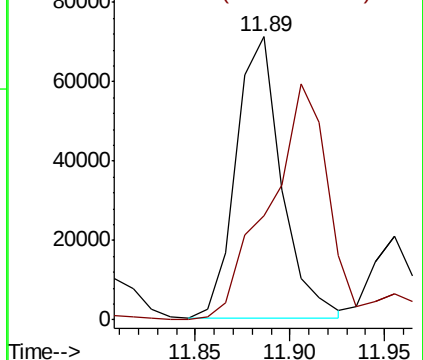
75 100

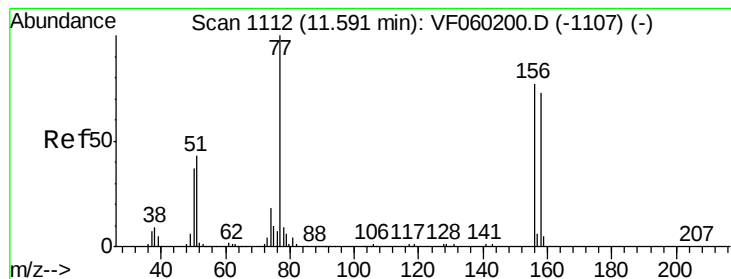
77 36.9 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 68.371 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

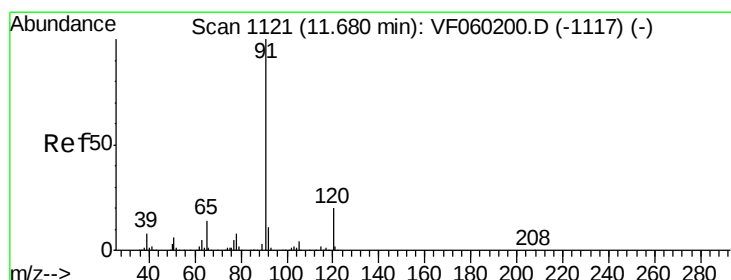
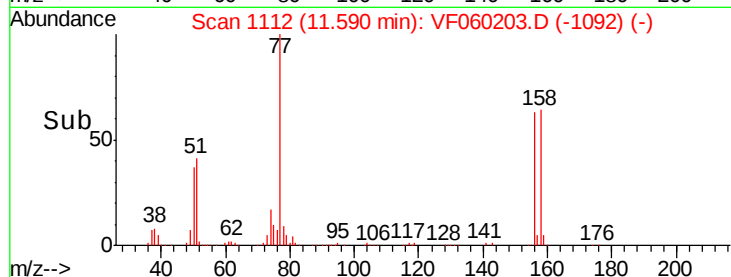
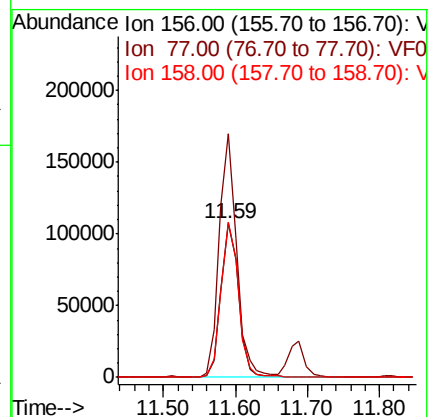
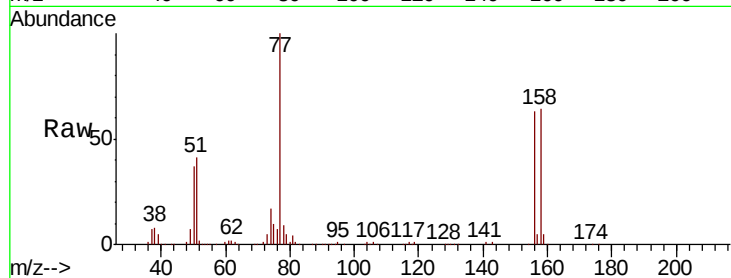
Tgt Ion: 156 Resp: 179814

Ion Ratio Lower Upper

156 100

77 158.3 64.8 194.3

158 101.0 47.3 141.8



#78

n-propylbenzene

Concen: 69.653 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060203.D

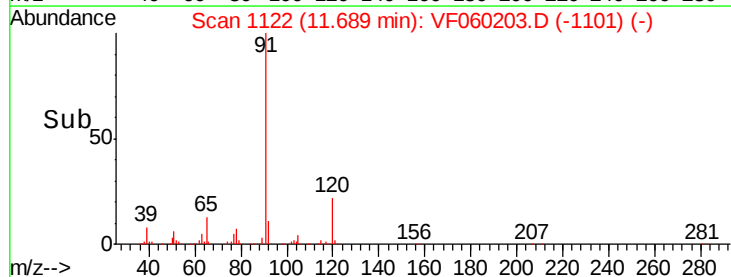
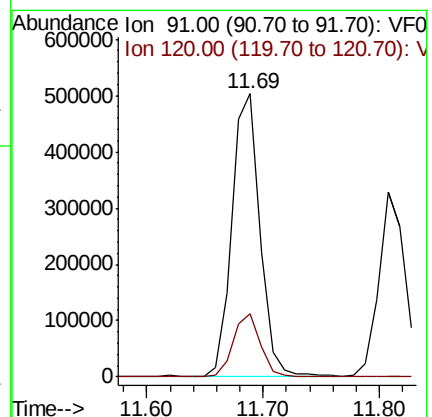
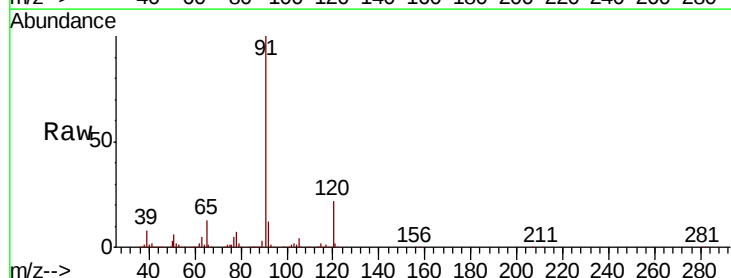
Acq: 6 Sep 2018 15:56

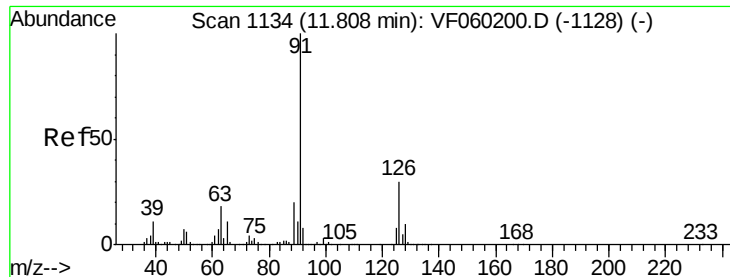
Tgt Ion: 91 Resp: 837952

Ion Ratio Lower Upper

91 100

120 22.3 9.8 29.4

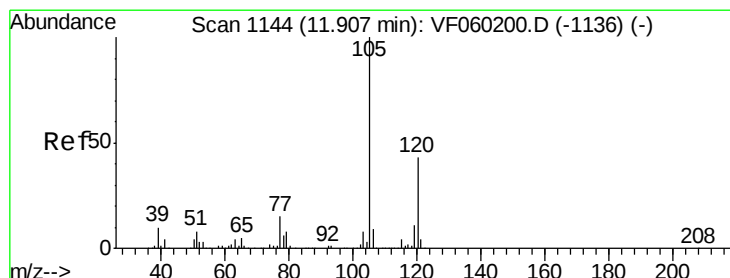
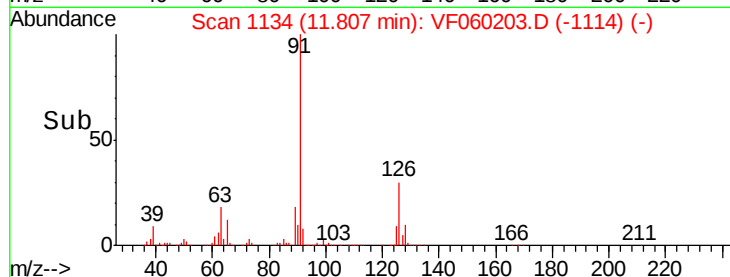
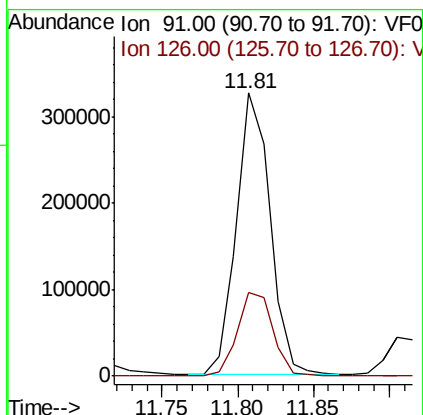
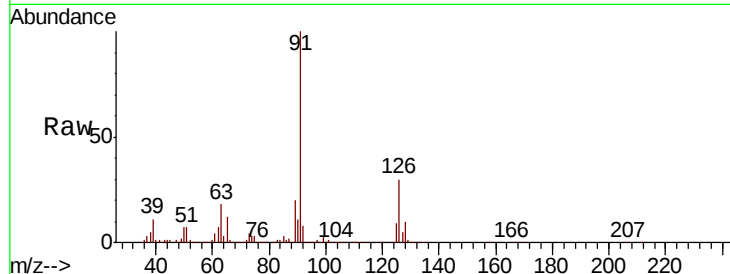




#79
2-Chlorotoluene
Concen: 69.685 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

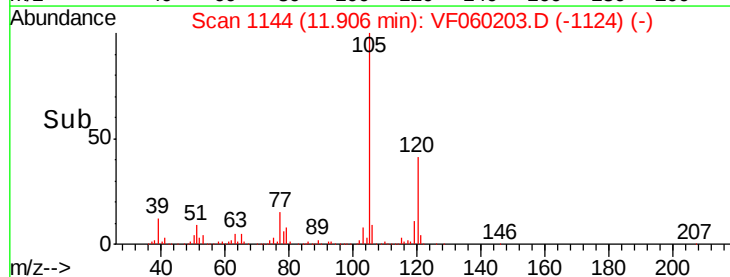
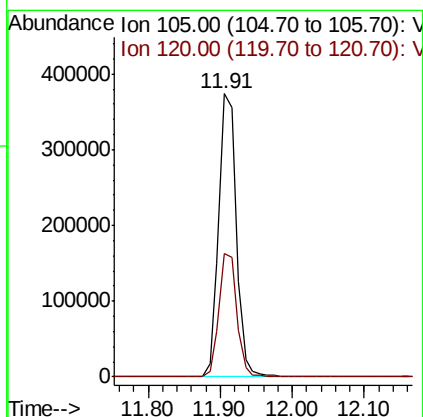
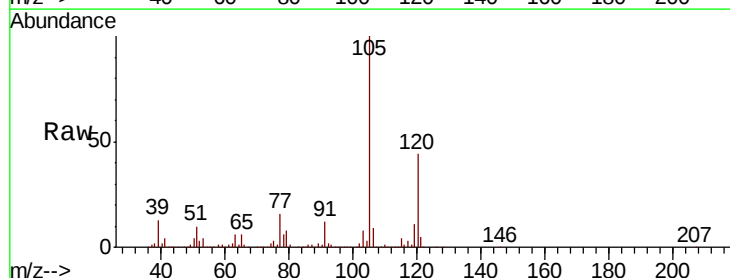
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

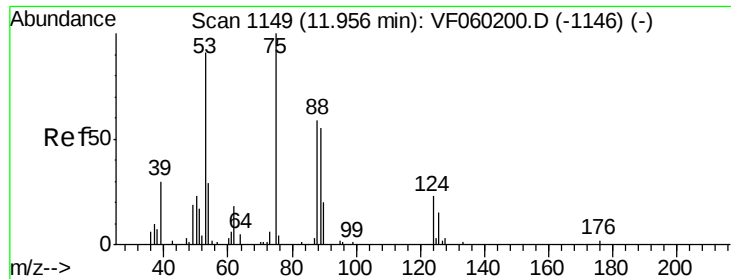
Tgt Ion: 91 Resp: 507117
Ion Ratio Lower Upper
91 100
126 29.7 15.2 45.5



#80
1,3,5-Trimethylbenzene
Concen: 71.051 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 105 Resp: 630687
Ion Ratio Lower Upper
105 100
120 43.5 21.6 64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.611 ug/l

RT: 11.95 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

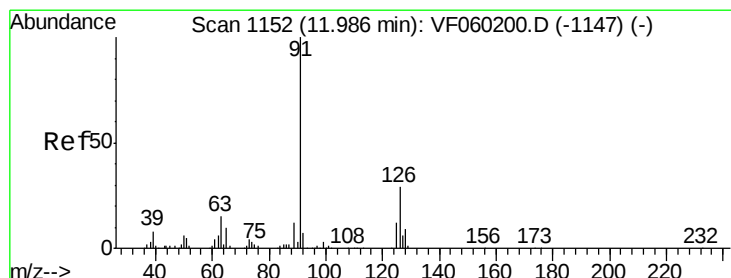
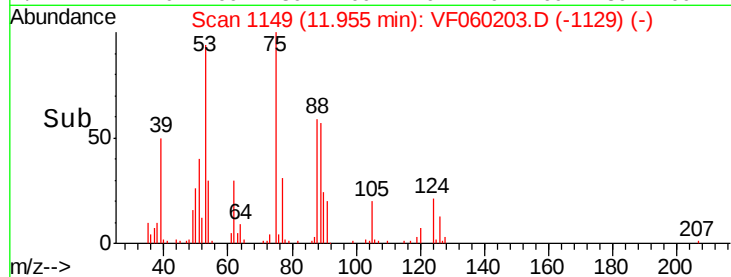
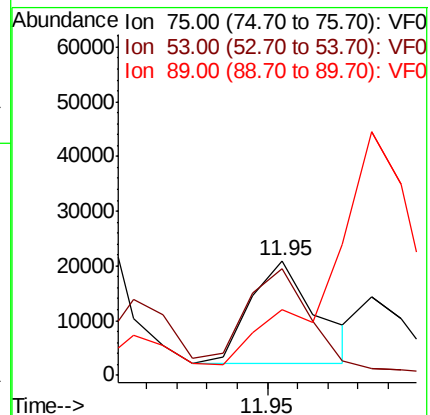
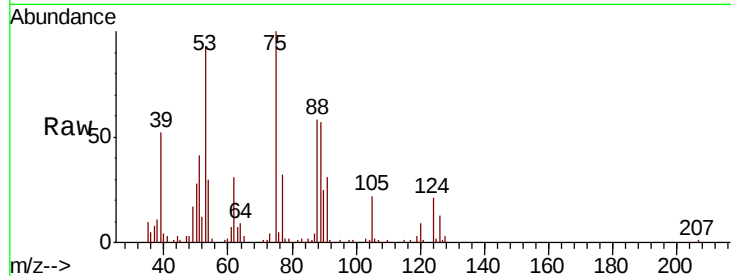
Tgt Ion: 75 Resp: 28219

Ion Ratio Lower Upper

75 100

53 93.3 76.5 114.7

89 57.3 46.5 69.7



#82

4-Chlorotoluene

Concen: 70.494 ug/l

RT: 11.98 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060203.D

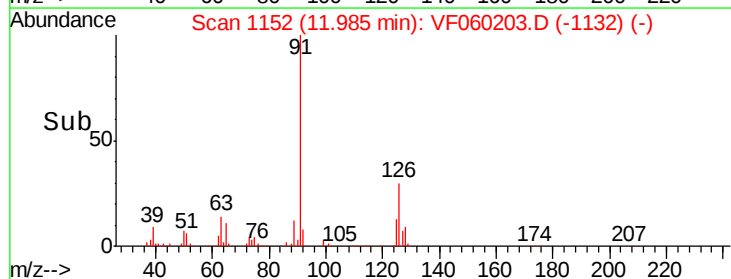
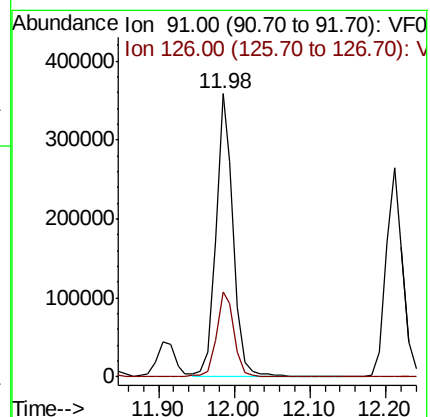
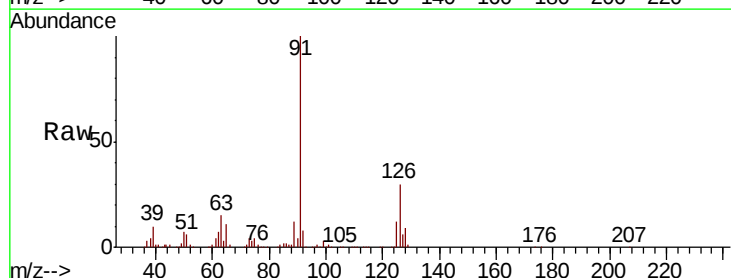
Acq: 6 Sep 2018 15:56

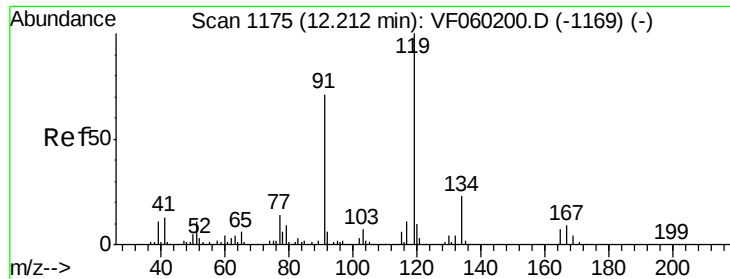
Tgt Ion: 91 Resp: 568740

Ion Ratio Lower Upper

91 100

126 29.8 14.4 43.4

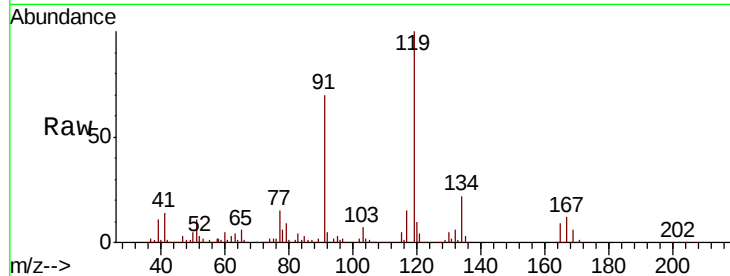




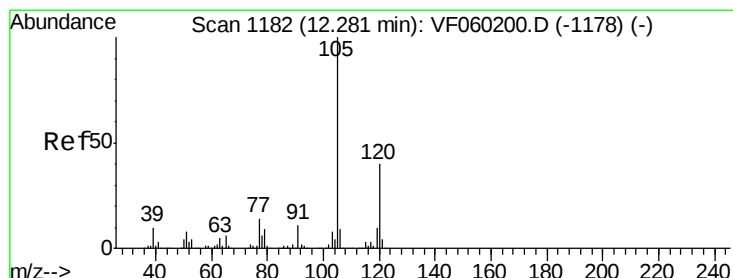
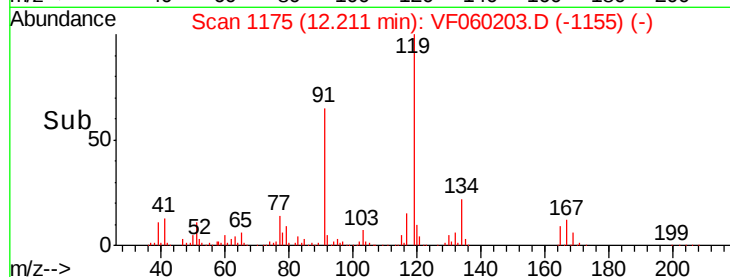
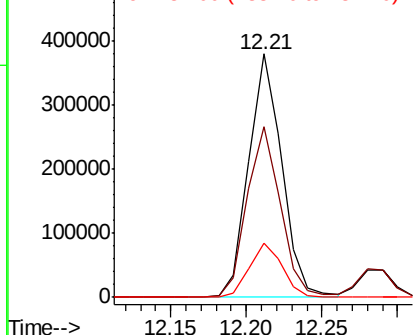
#83
 tert-Butylbenzene
 Concen: 72.333 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 581714
 Ion Ratio Lower Upper
 119 100
 91 69.9 35.8 107.4
 134 22.1 11.6 34.7

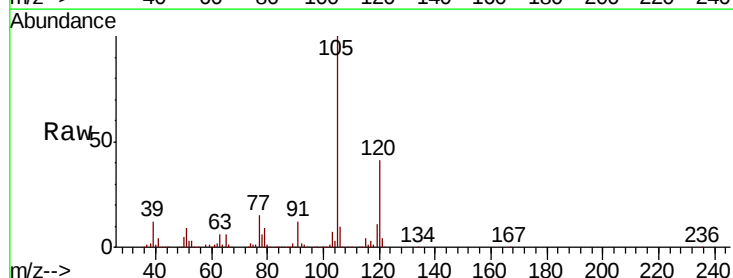


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

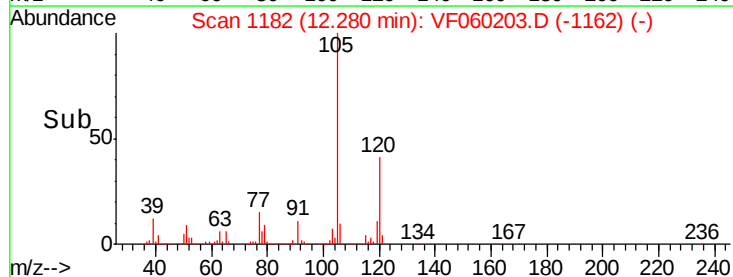
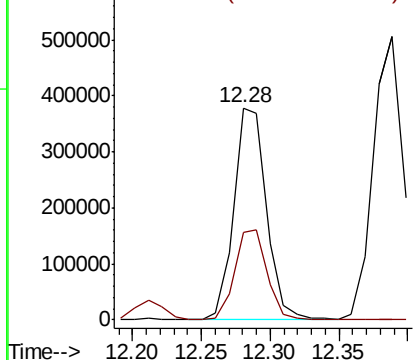


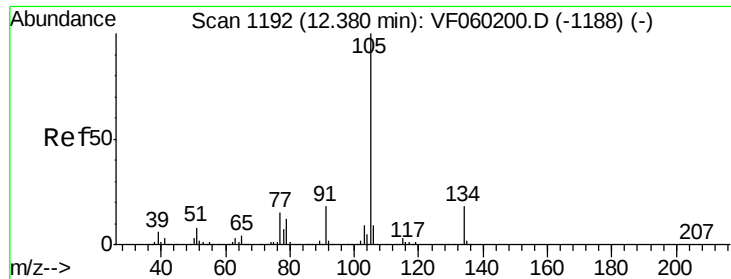
#84
 1,2,4-Trimethylbenzene
 Concen: 69.072 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion:105 Resp: 624871
 Ion Ratio Lower Upper
 105 100
 120 41.1 20.2 60.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

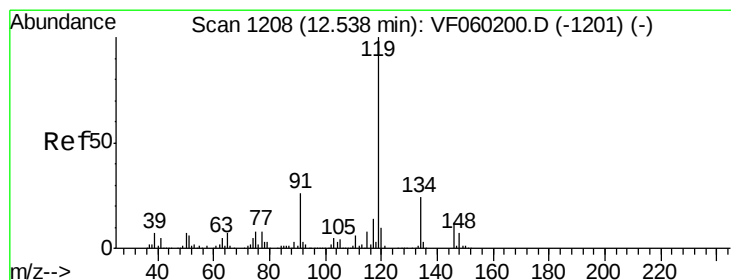
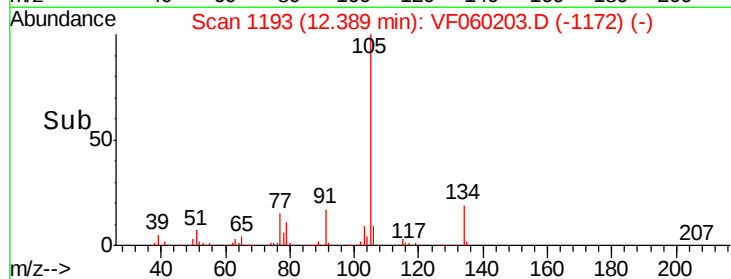
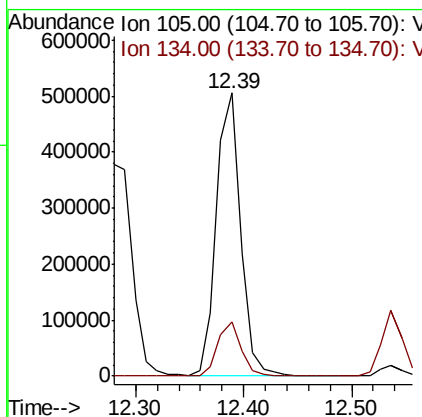
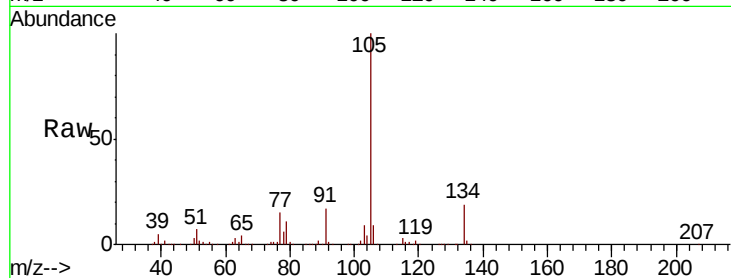




#85
 sec-Butylbenzene
 Concen: 71.390 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

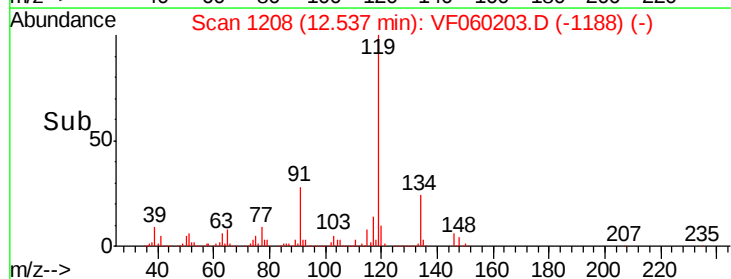
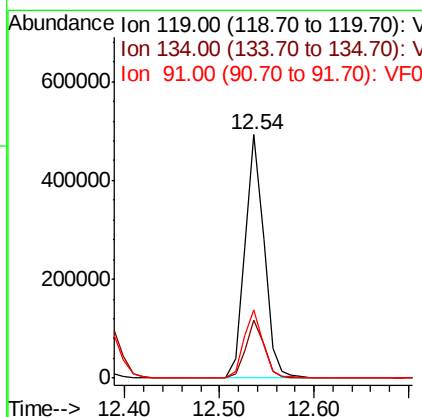
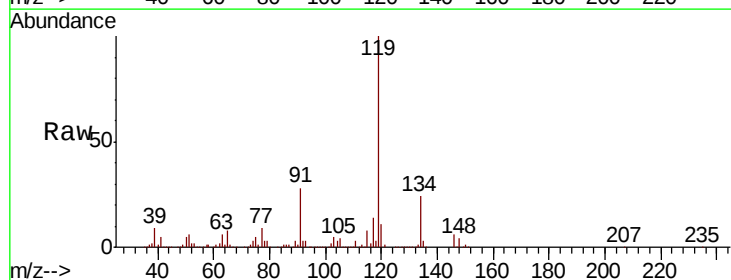
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

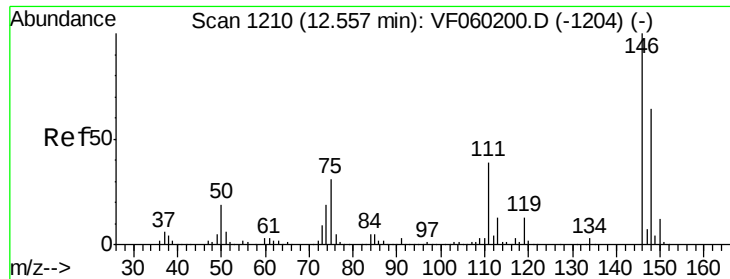
Tgt Ion:105 Resp: 788429
 Ion Ratio Lower Upper
 105 100
 134 19.3 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 69.905 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion:119 Resp: 690705
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.0 36.0
 91 27.9 12.9 38.7

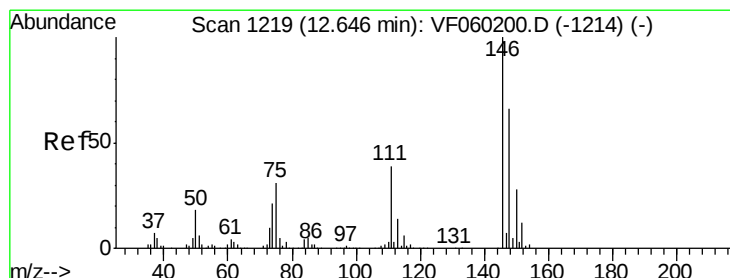
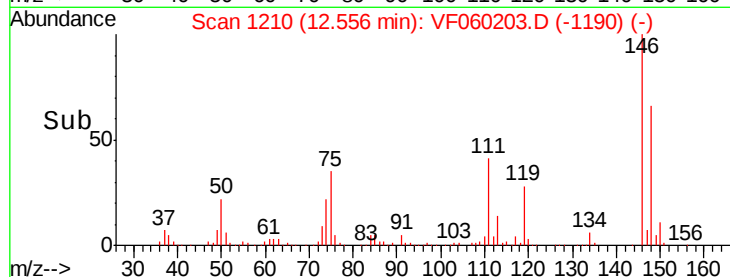
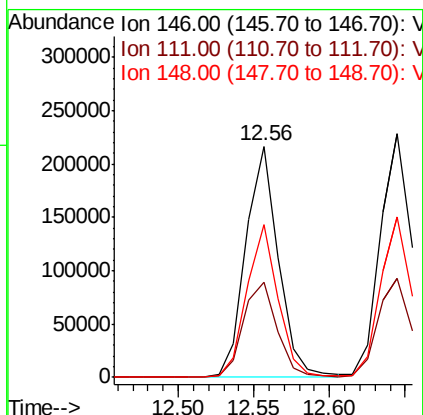
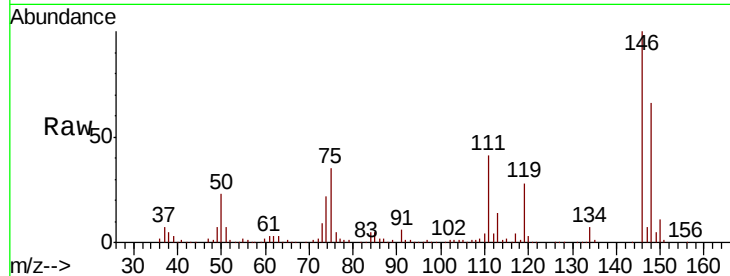




#87
 1,3-Dichlorobenzene
 Concen: 68.046 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

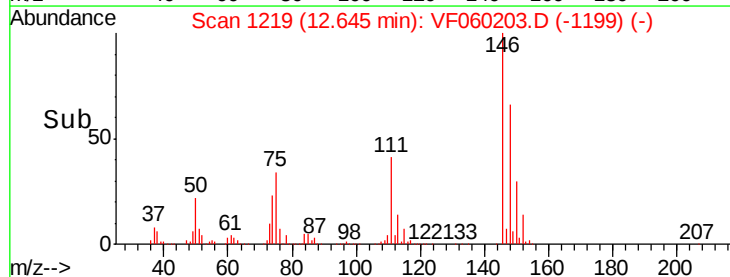
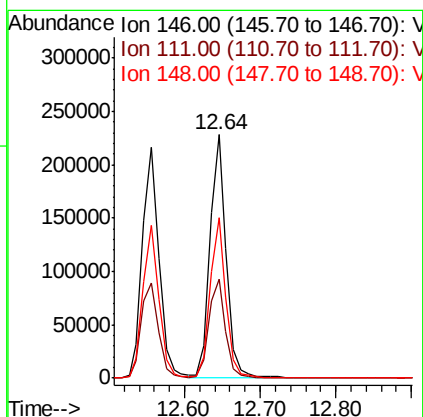
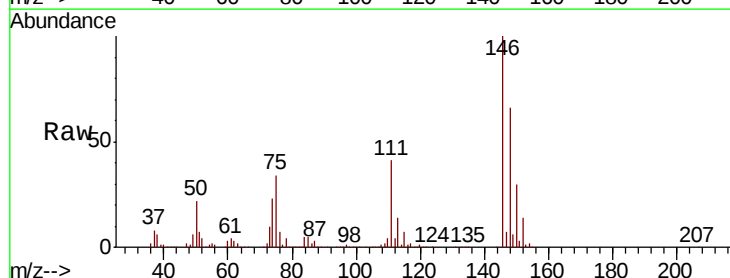
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

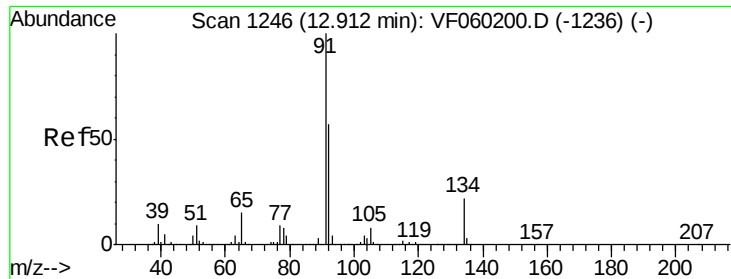
Tgt Ion:146 Resp: 325954
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.7 59.1
 148 65.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 72.688 ug/l
 RT: 12.64 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion:146 Resp: 343659
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.7 59.1
 148 66.0 33.1 99.5

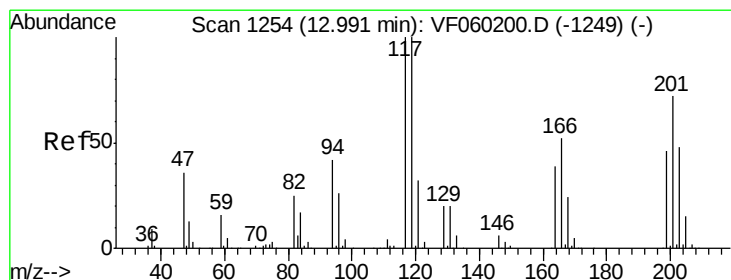
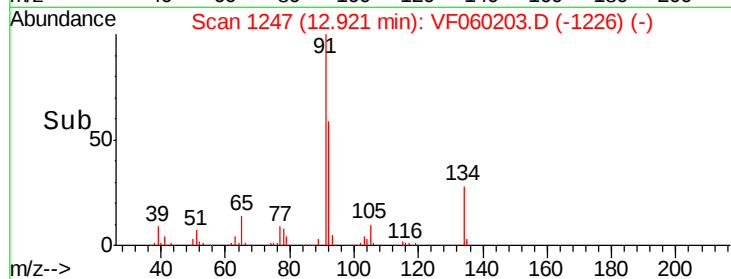
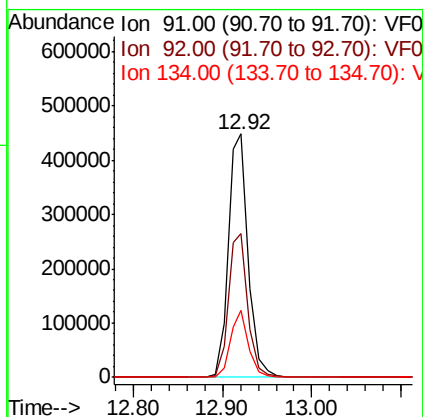
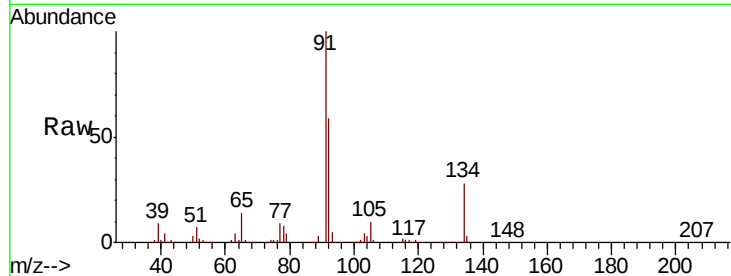




#89
n-Butylbenzene
Concen: 73.777 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

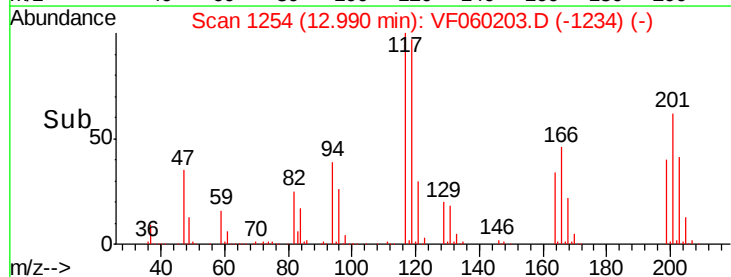
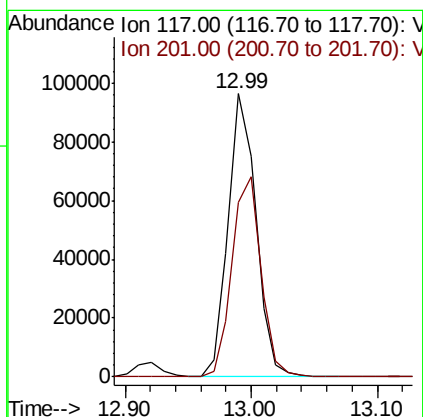
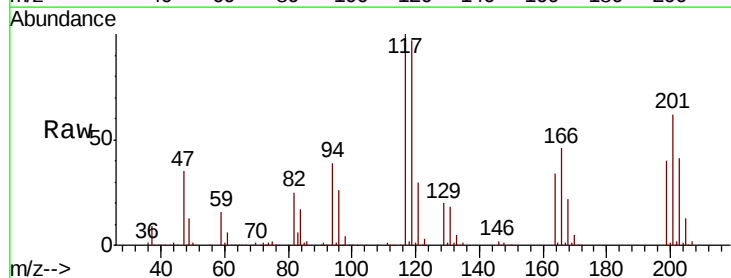
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

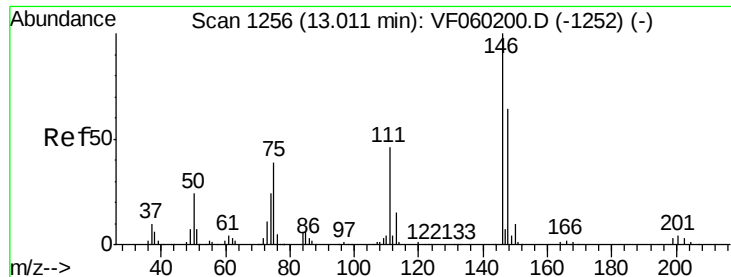
Tgt Ion: 91 Resp: 702803
Ion Ratio Lower Upper
91 100
92 59.1 28.4 85.3
134 27.8 11.1 33.3



#90
Hexachloroethane
Concen: 73.139 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion: 117 Resp: 147013
Ion Ratio Lower Upper
117 100
201 61.8 35.7 107.1





#91

1,2-Dichlorobenzene

Concen: 69.166 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

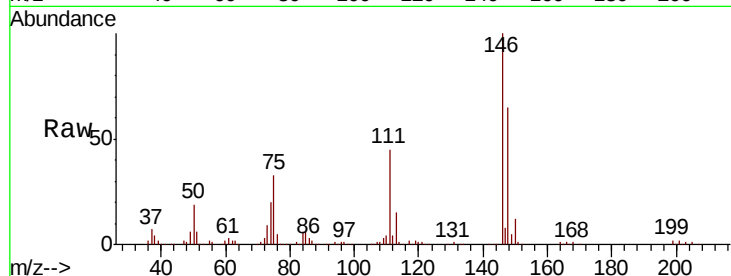
Tgt Ion: 146 Resp: 316139

Ion Ratio Lower Upper

146 100

111 45.5 23.0 69.0

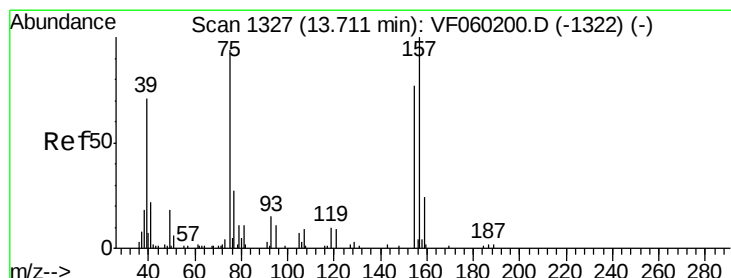
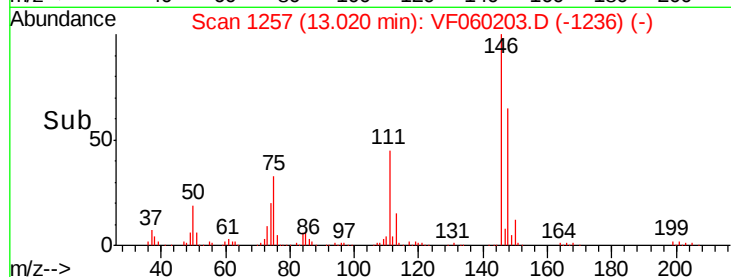
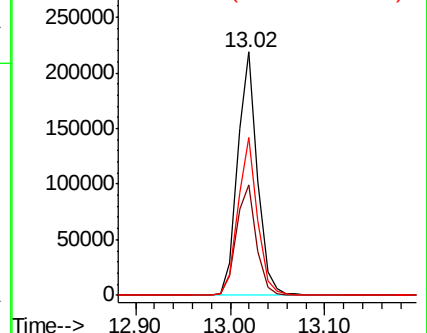
148 64.9 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 83.068 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060203.D

Acq: 6 Sep 2018 15:56

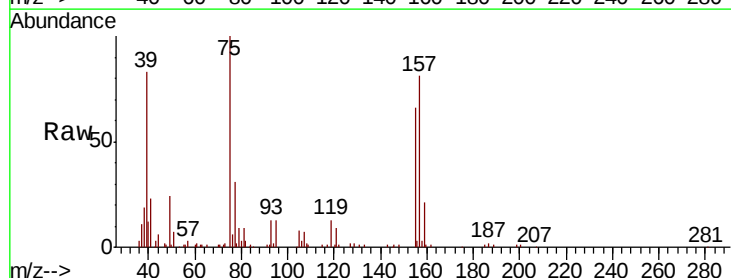
Tgt Ion: 75 Resp: 32071

Ion Ratio Lower Upper

75 100

155 66.1 40.8 122.5

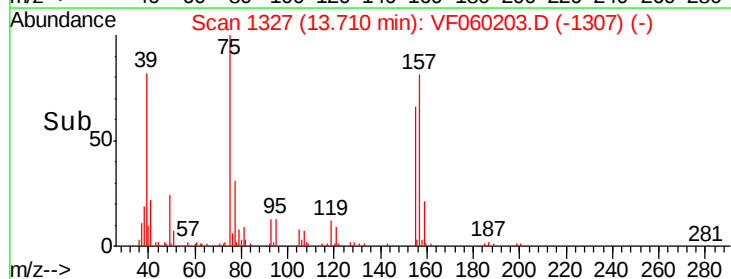
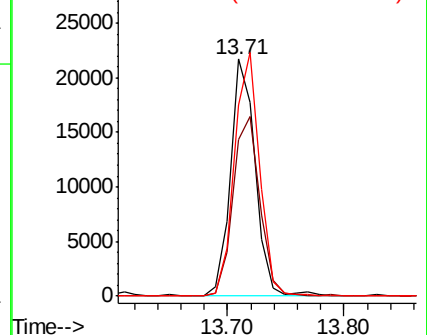
157 80.9 53.3 159.9

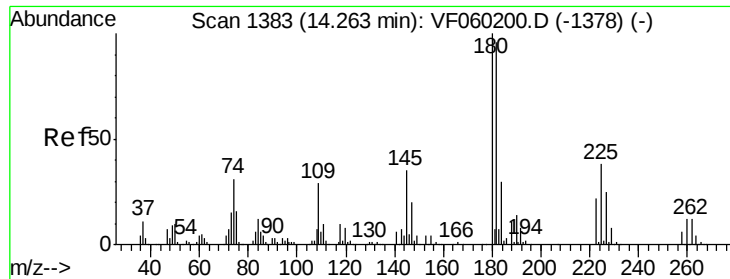


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

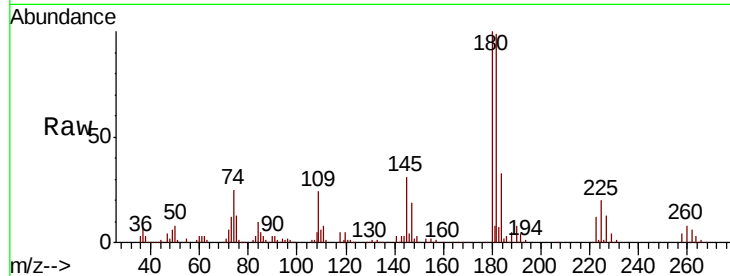




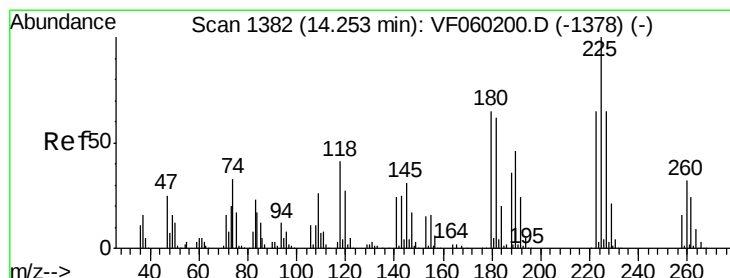
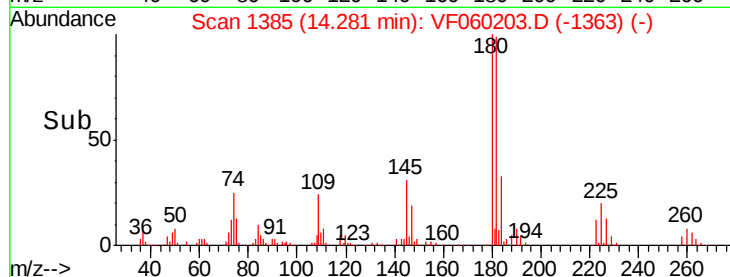
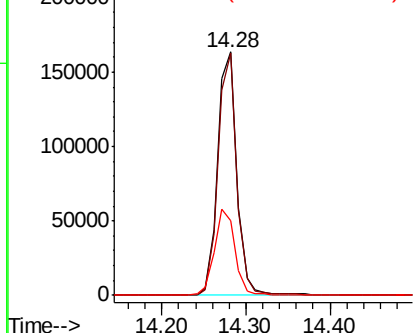
#93
 1,2,4-Trichlorobenzene
 Concen: 73.893 ug/l
 RT: 14.28 min Scan# 1385
 Delta R.T. 0.02 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 260438
 Ion Ratio Lower Upper
 180 100
 182 99.3 48.2 144.6
 145 30.8 17.4 52.2

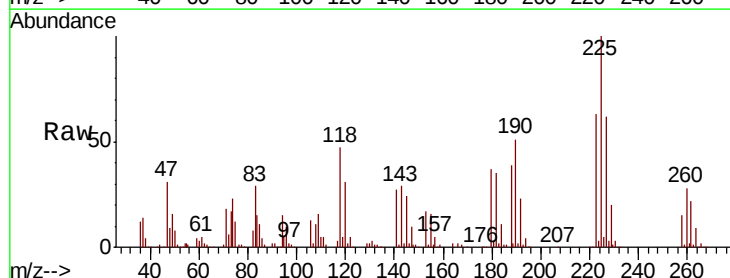


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

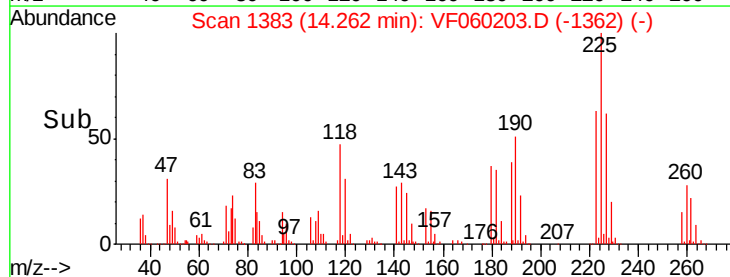
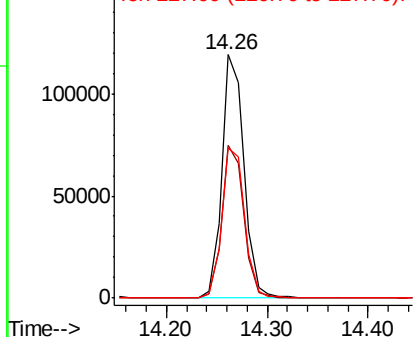


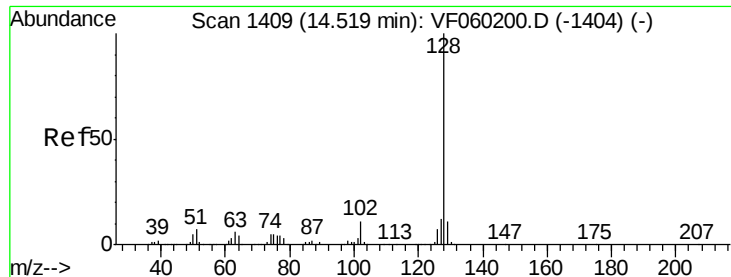
#94
 Hexachlorobutadiene
 Concen: 72.010 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060203.D
 Acq: 6 Sep 2018 15:56

Tgt Ion:225 Resp: 181591
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.3 96.8
 227 61.8 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

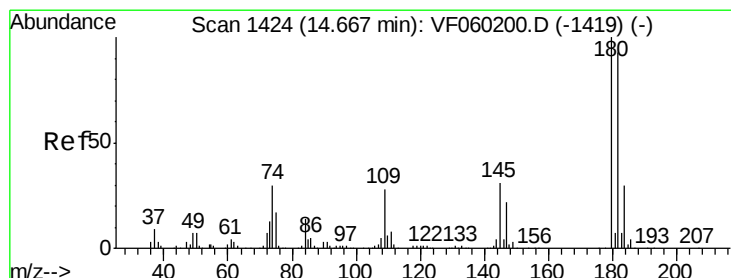
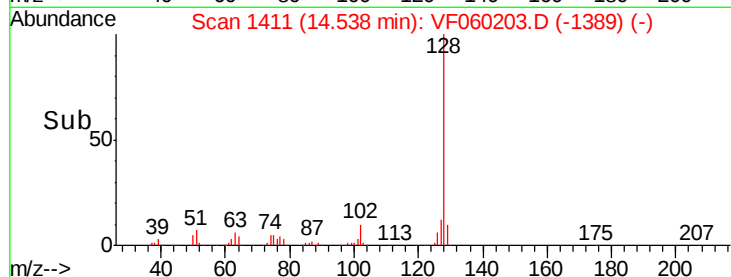
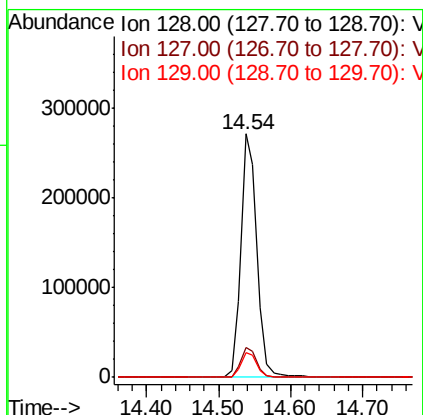
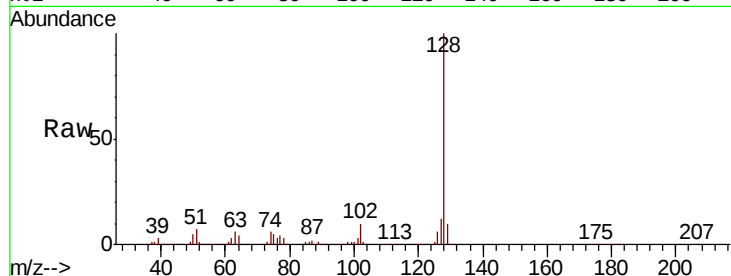




#95
Naphthalene
Concen: 85.142 ug/l
RT: 14.54 min Scan# 1411
Delta R.T. 0.02 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	10.2	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 77.387 ug/l
RT: 14.70 min Scan# 1427
Delta R.T. 0.03 min
Lab File: VF060203.D
Acq: 6 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.6	139.7
145	31.4	15.7	47.0

