

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060818.D
 Acq On : 20 Nov 2018 22:31
 Operator : VA/AP
 Sample : J5977-10MSD
 Misc : 3.59g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Manual Integrations
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apatel
 11/21/2018 2:41:16 PM

Quant Time: Nov 21 03:48:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	148654	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	255736	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	219758	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	92410	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	89542	52.81	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	4.12	113	108743	56.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	7.56	98	279573	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
62) 4-Bromofluorobenzene	11.42	95	108984	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	146466	55.05	ug/l	100
3) Chloromethane	1.10	50	98376	59.63	ug/l	96
4) Vinyl Chloride	1.14	62	90027	61.00	ug/l	99
5) Bromomethane	1.33	94	61928	66.05	ug/l	94
6) Chloroethane	1.38	64	40868	70.77	ug/l	92
7) Trichlorofluoromethane	1.49	101	193764	59.37	ug/l	97
8) Diethyl Ether	1.63	74	28432	67.99	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	95282	61.95	ug/l	96
10) Methyl Iodide	1.90	142	156091	63.25	ug/l	99
11) Tert butyl alcohol	2.57	59	25370	328.77	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	76447	63.03	ug/l	89
13) Acrolein	2.00	56	14521	205.80	ug/l	94
14) Allyl chloride	2.10	41	129870	61.13	ug/l	88
15) Acrylonitrile	2.94	53	63060	383.50	ug/l	87
16) Acetone	2.24	43	122494	337.99	ug/l	97
17) Carbon Disulfide	1.83	76	201160	54.88	ug/l	95
18) Methyl Acetate	2.35	43	54408	91.43	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	204235	70.20	ug/l	95
20) Methylene Chloride	2.19	84	78699m	66.27	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	75271	59.40	ug/l #	93
22) Diisopropyl ether	2.80	45	299690	73.06	ug/l	96
23) Vinyl Acetate	3.19	43	482193	249.64	ug/l	98
24) 1,1-Dichloroethane	2.88	63	174941	70.45	ug/l	98
25) 2-Butanone	4.34	43	201237	337.58	ug/l	99
26) 2,2-Dichloropropane	3.60	77	106803	54.65	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	124826	57.91	ug/l	96
28) Bromochloromethane	3.72	49	74434	57.67	ug/l	99
29) Tetrahydrofuran	4.08	42	88453	359.73	ug/l	98
30) Chloroform	3.86	83	236091	59.25	ug/l	99
31) Cyclohexane	3.70	56	168426	55.88	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	189128	60.28	ug/l	98
36) 1,1-Dichloropropene	4.29	75	160846	54.23	ug/l	98
37) Ethyl Acetate	4.12	43	76998	69.83	ug/l #	68
38) Carbon Tetrachloride	4.00	117	159367	55.38	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	153718	44.67	ug/l	98
40) Benzene	4.64	78	392876	59.42	ug/l	99
41) Methacrylonitrile	4.75	41	39033	67.95	ug/l	95
42) 1,2-Dichloroethane	4.95	62	132672	58.07	ug/l	98
43) Isopropyl Acetate	6.96	43	85975	58.81	ug/l	98
44) Trichloroethene	5.51	130	107348	51.46	ug/l	97
45) 1,2-Dichloropropane	6.24	63	102067	59.33	ug/l	97
46) Dibromomethane	6.09	93	67592	59.52	ug/l	96
47) Bromodichloromethane	6.39	83	171563	59.16	ug/l	98
48) Methyl methacrylate	6.72	41	61400	63.46	ug/l	94
49) 1,4-Dioxane	6.71	88	10371	1146.07	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	347549	328.69	ug/l	100
52) Toluene	7.63	92	248403	56.07	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	114412	49.26	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	158631	52.58	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	74286	58.68	ug/l	99
56) Ethyl methacrylate	8.63	69	82419	57.33	ug/l	98
57) 1,3-Dichloropropane	8.86	76	130783	59.61	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	36450	277.55	ug/l	100
59) 2-Hexanone	9.49	43	239262	321.98	ug/l	96
60) Dibromochloromethane	8.72	129	105035	58.22	ug/l	92
61) 1,2-Dibromoethane	8.99	107	75624	56.80	ug/l	99
64) Tetrachloroethene	8.16	164	98925	56.85	ug/l	98
65) Chlorobenzene	9.80	112	247903	55.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	119562	61.81	ug/l	99
67) Ethyl Benzene	9.91	91	451766	54.05	ug/l	98
68) m/p-Xylenes	10.14	106	316108	105.82	ug/l	93
69) o-Xylene	10.72	106	189046	56.29	ug/l	98
70) Styrene	10.80	104	217620	47.75	ug/l	96
71) Bromoform	10.78	173	53236	61.21	ug/l #	97
73) Isopropylbenzene	11.13	105	520018	69.91	ug/l	99
74) N-amyl acetate	11.38	43	143044	84.47	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.69	83	102381	83.25	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	71646	78.44	ug/l	99
77) Bromobenzene	11.50	156	102510	66.21	ug/l	97
78) n-propylbenzene	11.60	91	524076	60.41	ug/l	94
79) 2-Chlorotoluene	11.72	91	334966	66.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	401032	67.91	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	28873m	64.35	ug/l	
82) 4-Chlorotoluene	11.90	91	302398	58.54	ug/l	98
83) tert-Butylbenzene	12.14	119	430140	68.60	ug/l	95
84) 1,2,4-Trimethylbenzene	12.21	105	382518	62.63	ug/l	95
85) sec-Butylbenzene	12.31	105	474324	55.77	ug/l	93
86) p-Isopropyltoluene	12.46	119	414998	58.42	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	166876	54.16	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	169129	57.11	ug/l	93
89) n-Butylbenzene	12.85	91	350589	48.36	ug/l	94
90) Hexachloroethane	12.92	117	111612	64.24	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	176275	60.76	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	18123	78.41	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87037	41.74	ug/l	97
94) Hexachlorobutadiene	14.19	225	45864	33.66	ug/l	97
95) Naphthalene	14.46	128	229137	60.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	83309	43.24	ug/l	97

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

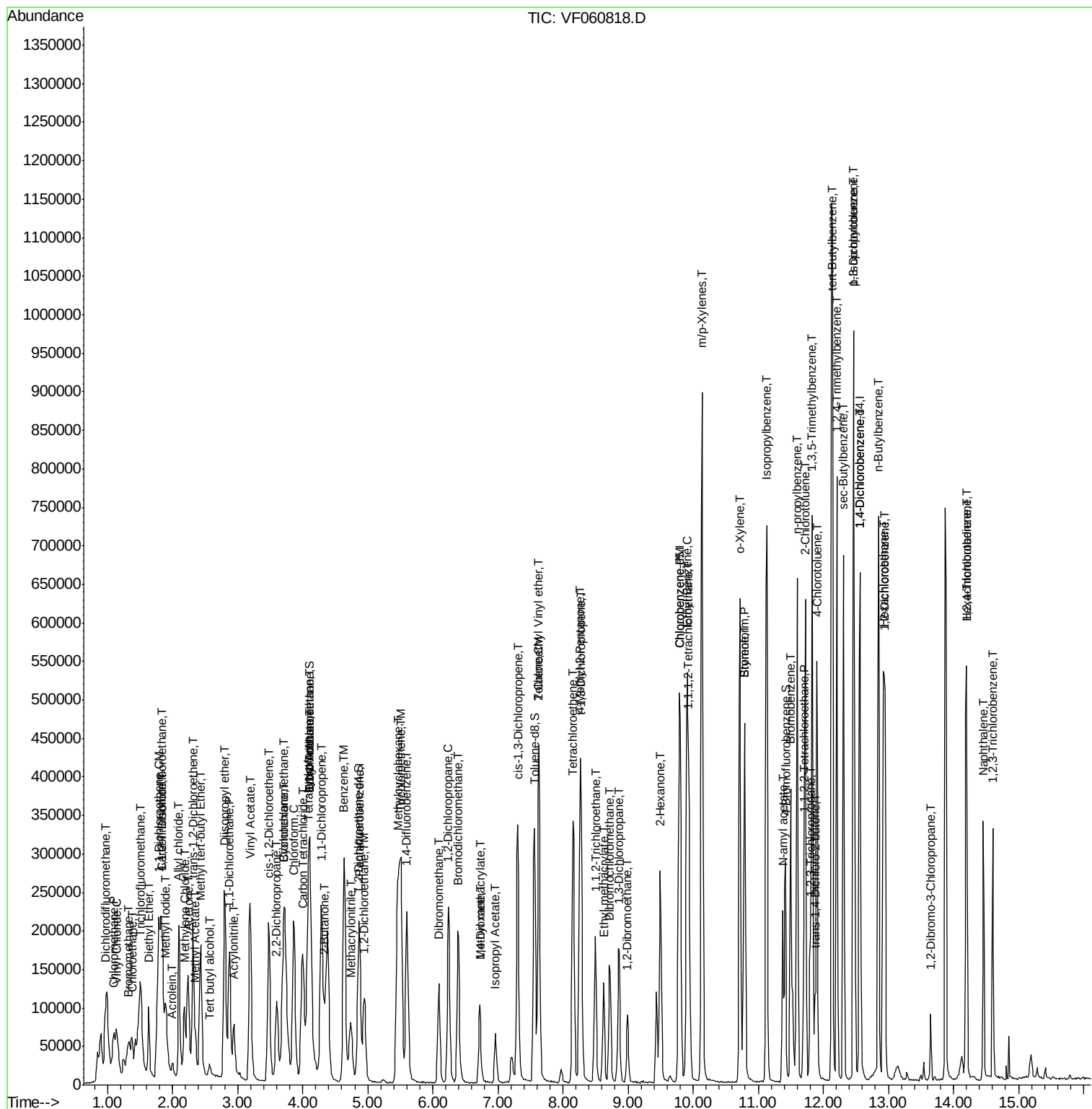
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
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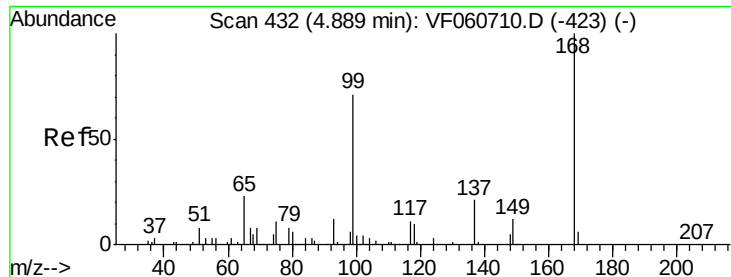
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060818.D

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Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 168 Resp: 148654

Ion Ratio Lower Upper

168 100

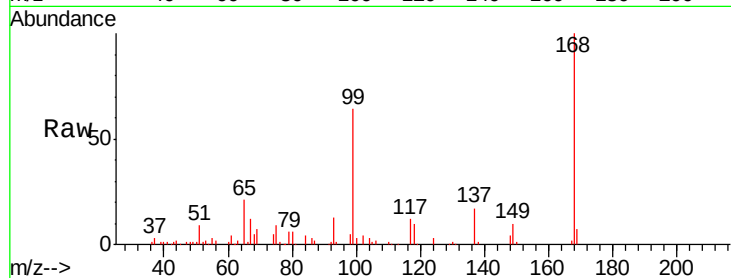
99 63.8 57.2 85.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

50000

40000

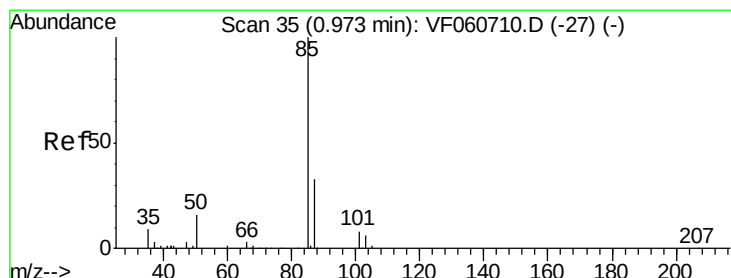
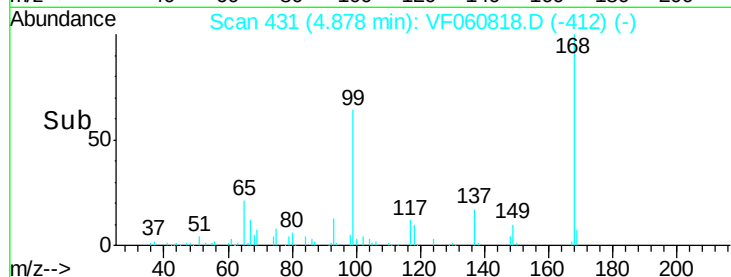
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 55.05 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060818.D

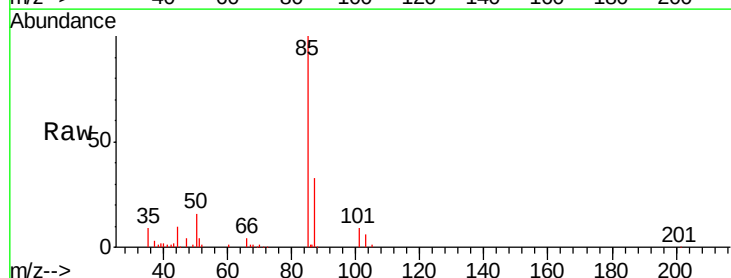
Acq: 20 Nov 2018 22:31

Tgt Ion: 85 Resp: 146466

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

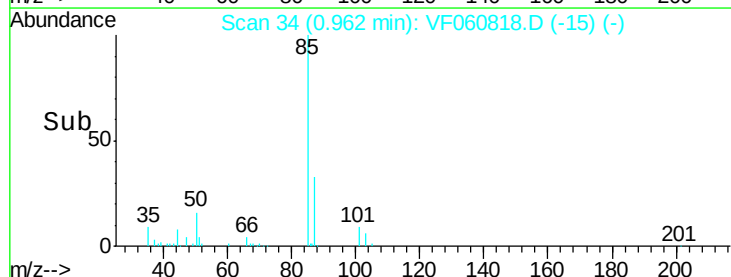
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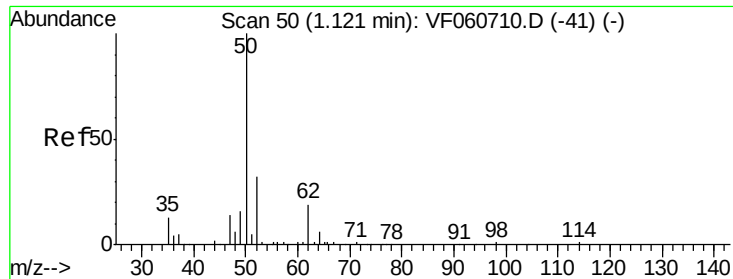
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 59.63 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

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ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 50 Resp: 98376

Ion Ratio Lower Upper

50 100

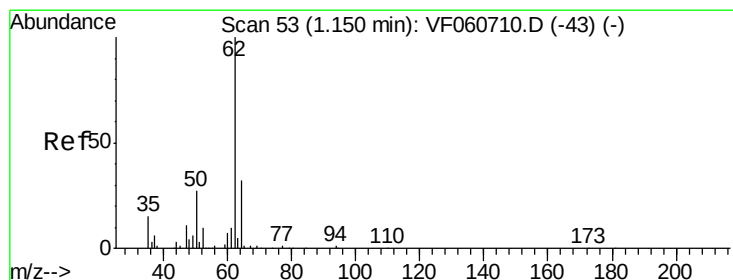
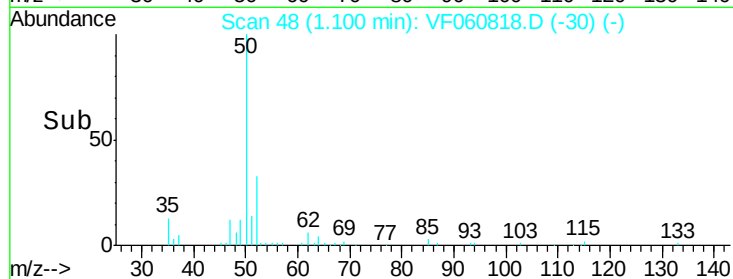
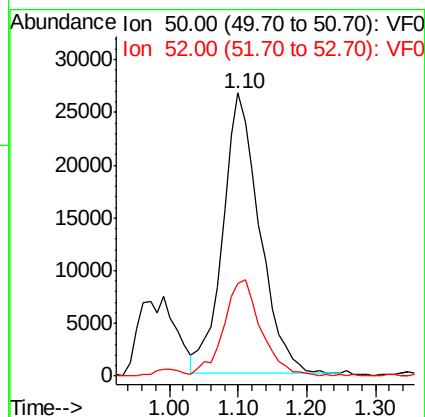
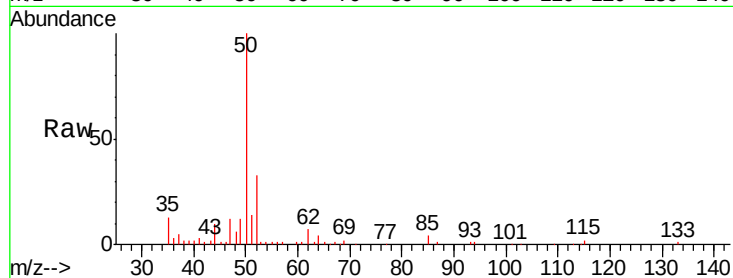
52 32.5 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 61.00 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060818.D

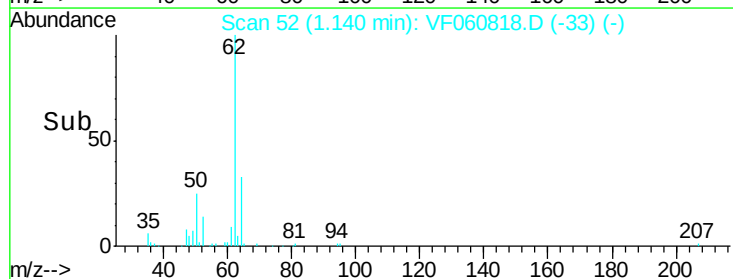
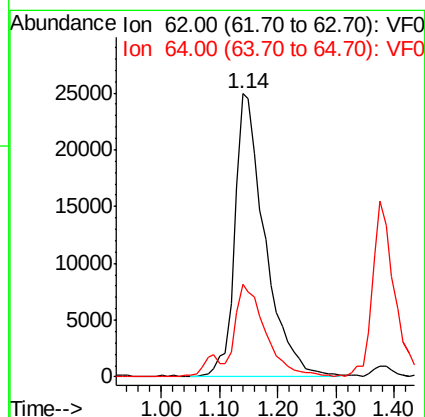
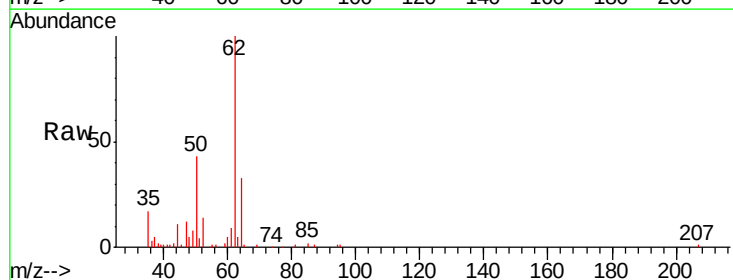
Acq: 20 Nov 2018 22:31

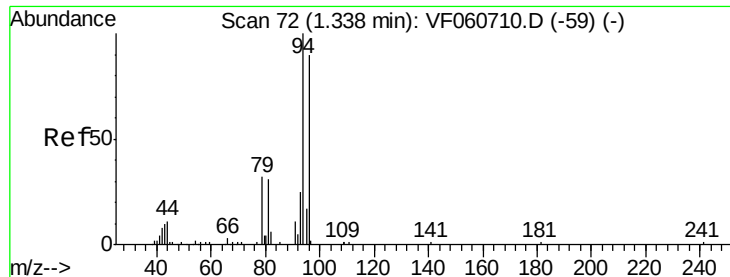
Tgt Ion: 62 Resp: 90027

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 66.05 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

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Tgt Ion: 94 Resp: 61928

Ion Ratio Lower Upper

94 100

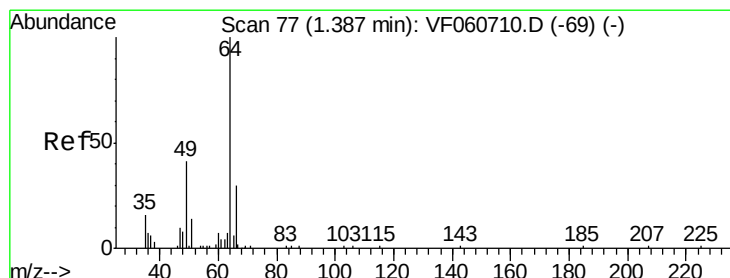
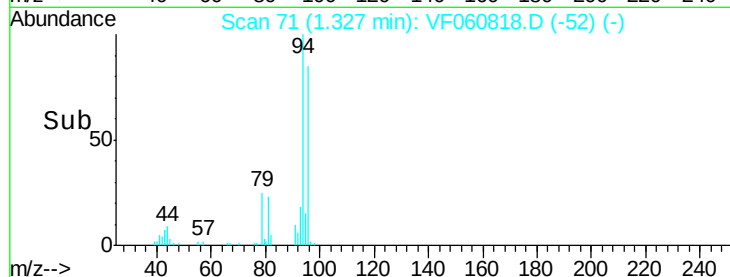
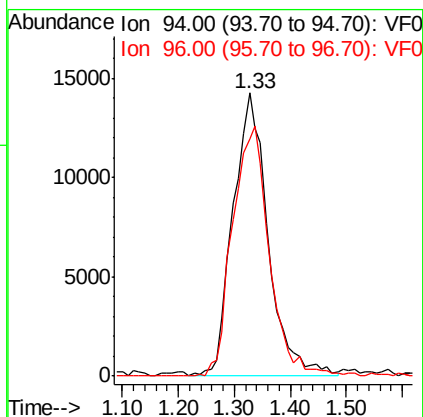
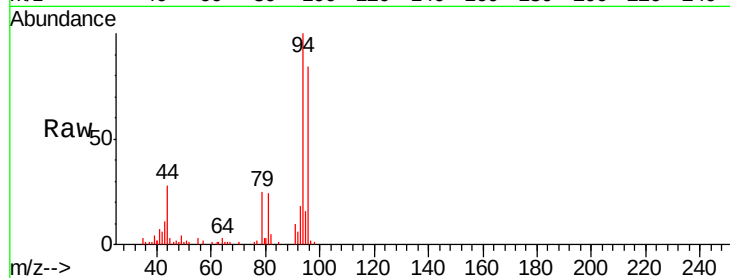
96 83.9 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 70.77 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060818.D

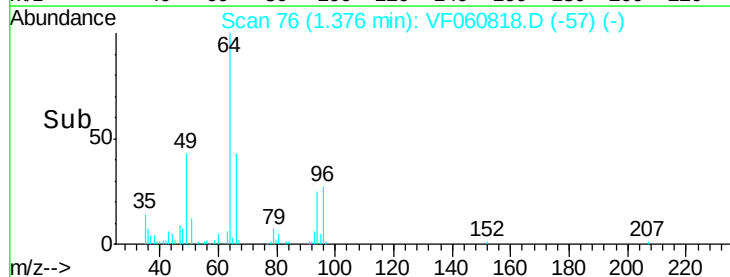
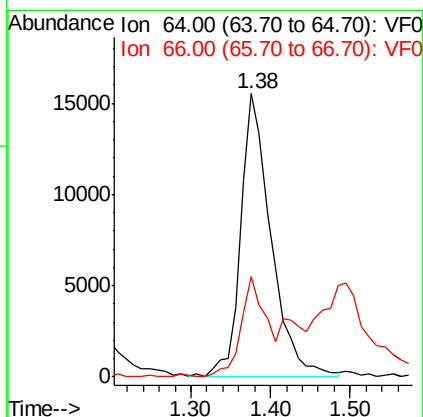
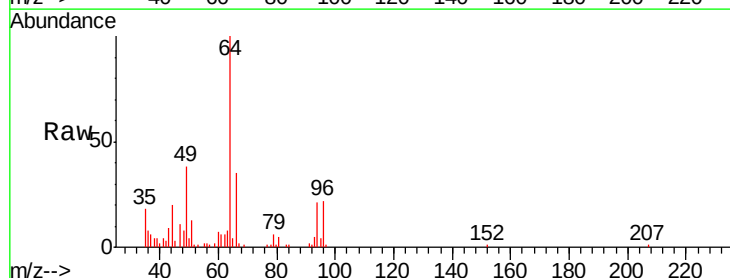
Acq: 20 Nov 2018 22:31

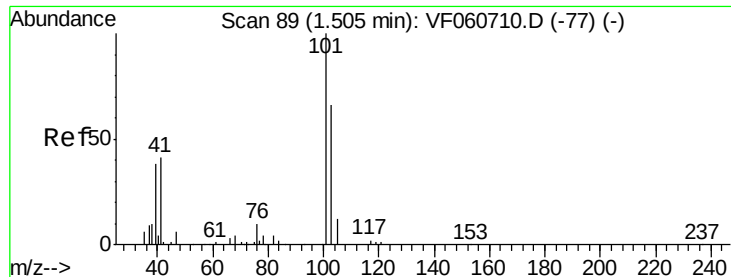
Tgt Ion: 64 Resp: 40868

Ion Ratio Lower Upper

64 100

66 35.4 24.8 37.2





#7

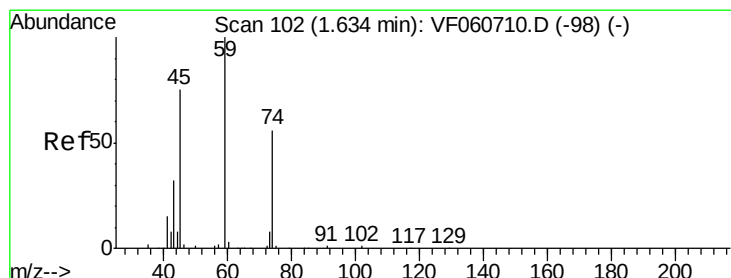
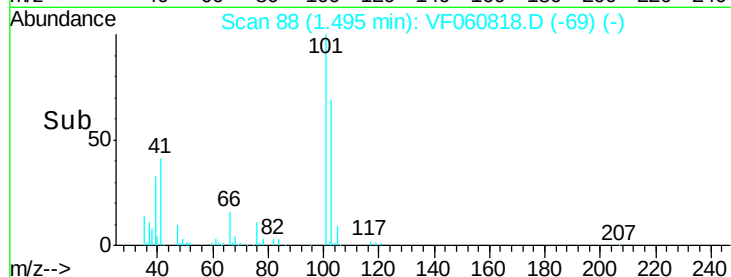
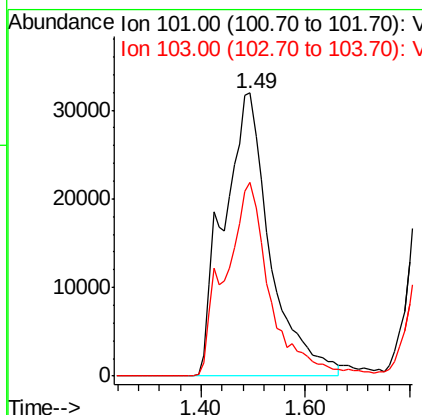
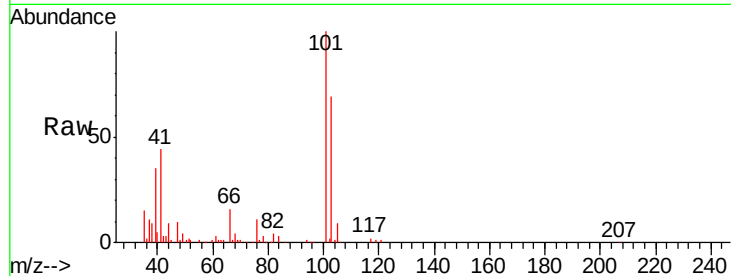
Trichlorofluoromethane
 Concen: 59.37 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

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Tgt Ion:101 Resp: 193764
 Ion Ratio Lower Upper
 101 100
 103 68.6 53.1 79.7

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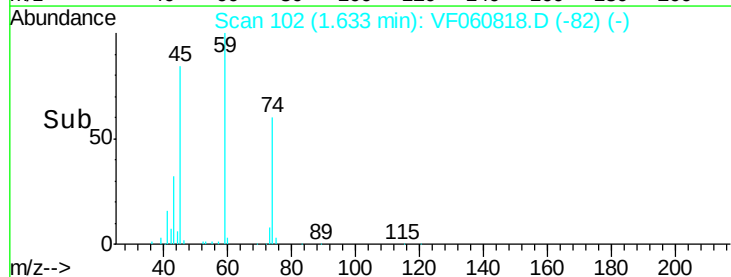
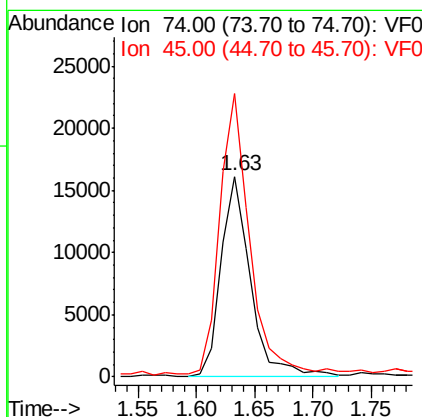
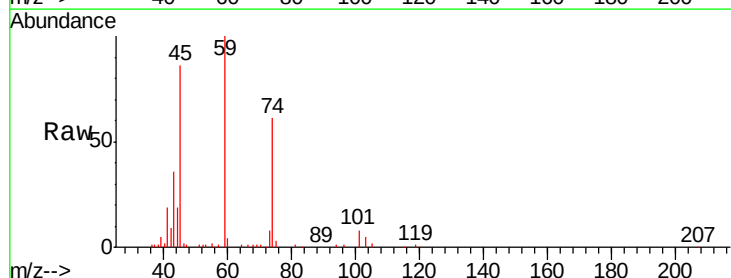
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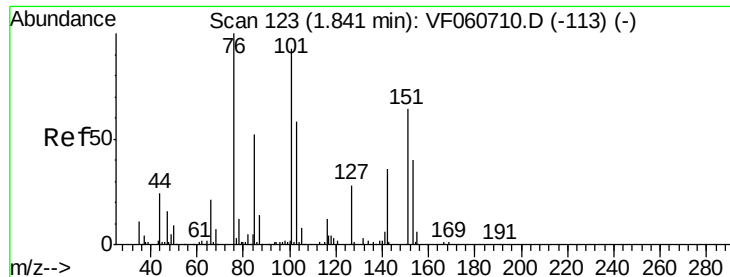


#8

Diethyl Ether
 Concen: 67.99 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion: 74 Resp: 28432
 Ion Ratio Lower Upper
 74 100
 45 141.2 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.95 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060818.D

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MSVOA_F

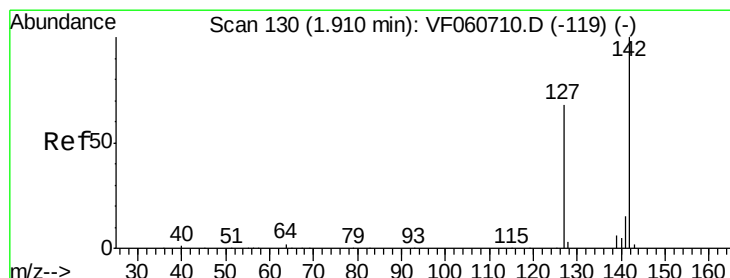
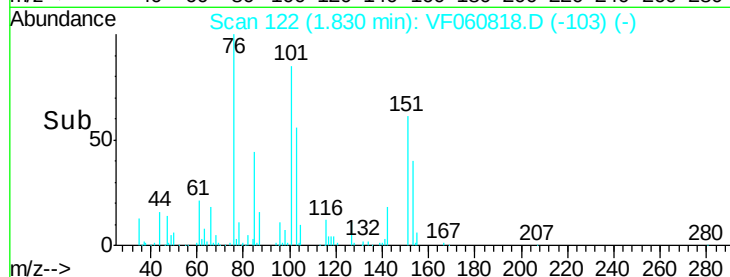
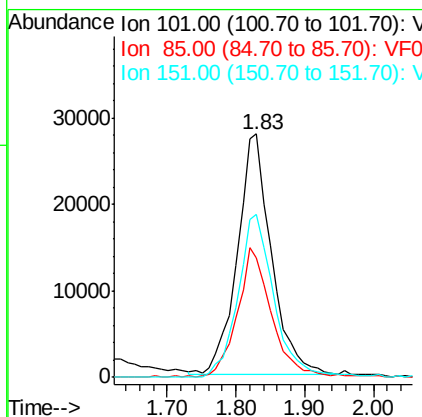
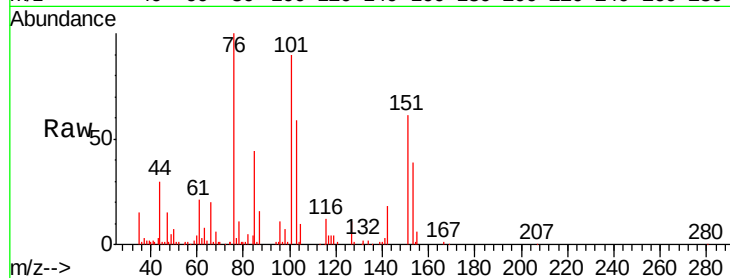
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	101	Resp:	95282
Ion Ratio	Lower	Upper	
101	100		
85	48.8	43.6	65.4
151	67.0	53.1	79.7

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#10

Methyl Iodide

Concen: 63.25 ug/l

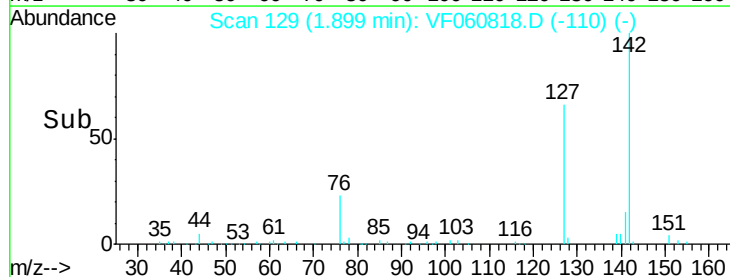
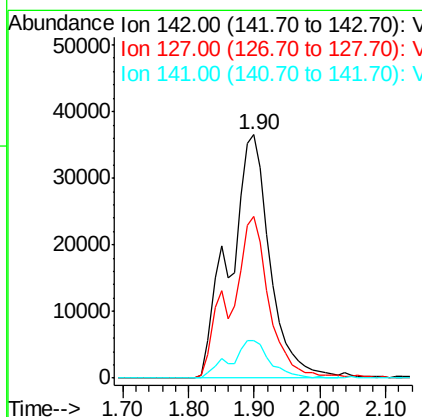
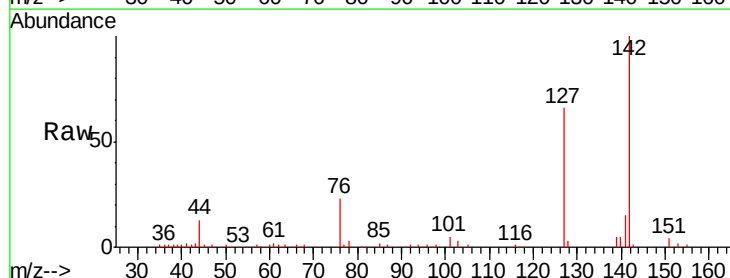
RT: 1.90 min Scan# 129

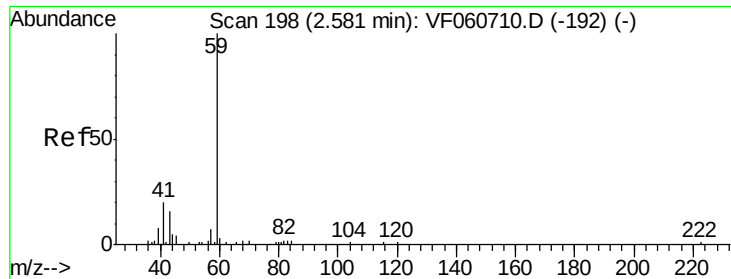
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	142	Resp:	156091
Ion Ratio	Lower	Upper	
142	100		
127	66.2	54.0	81.0
141	15.5	12.3	18.5





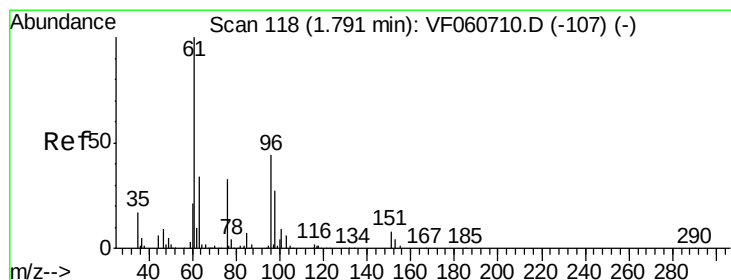
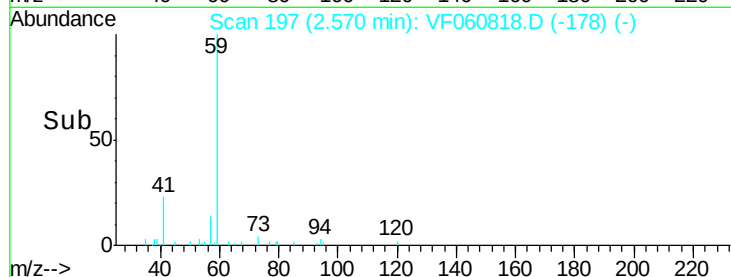
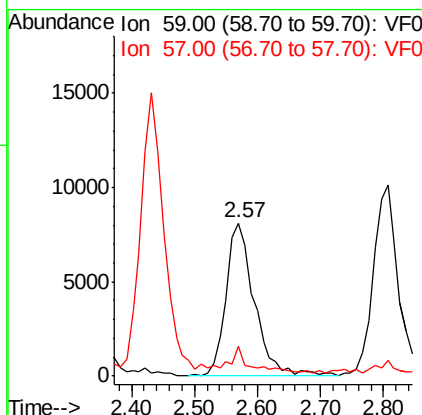
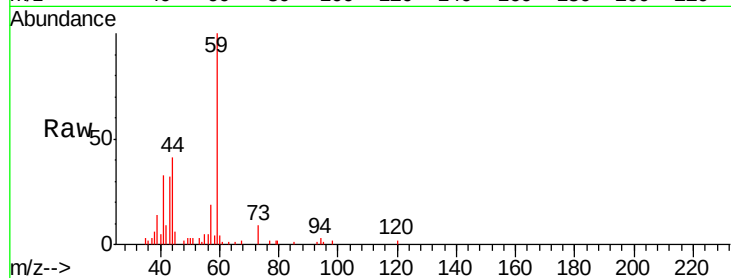
#11
Tert butyl alcohol
Concen: 328.77 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion: 59 Resp: 25370
Ion Ratio Lower Upper
59 100
57 19.4 10.5 15.7#

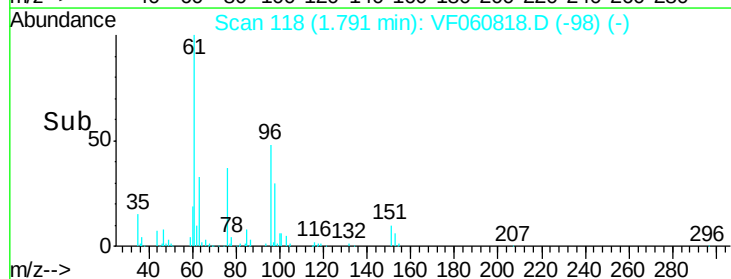
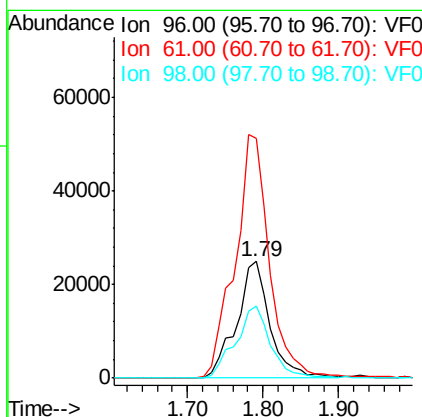
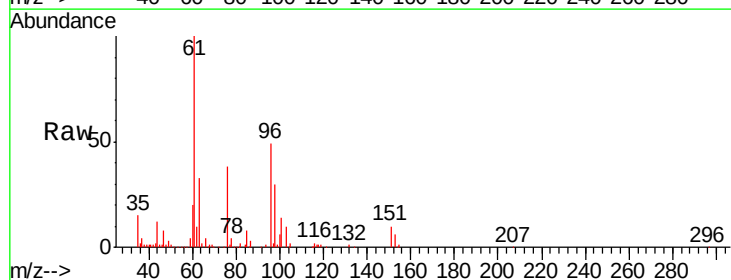
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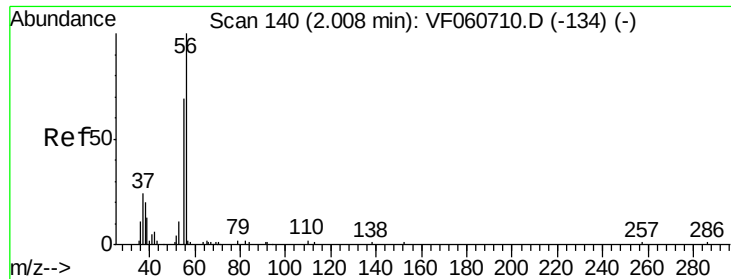
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#12
1,1-Dichloroethene
Concen: 63.03 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion: 96 Resp: 76447
Ion Ratio Lower Upper
96 100
61 205.7 182.2 273.2
98 61.8 49.2 73.8





#13

Acrolein

Concen: 205.80 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 56 Resp: 14521

Ion Ratio Lower Upper

56 100

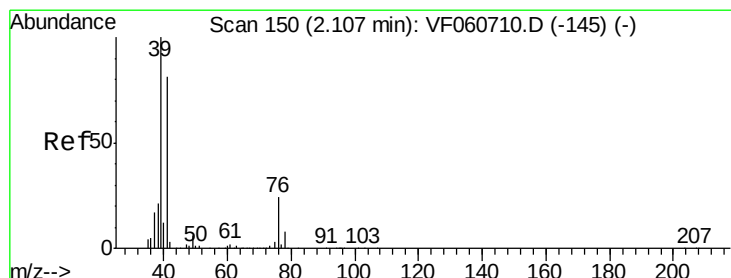
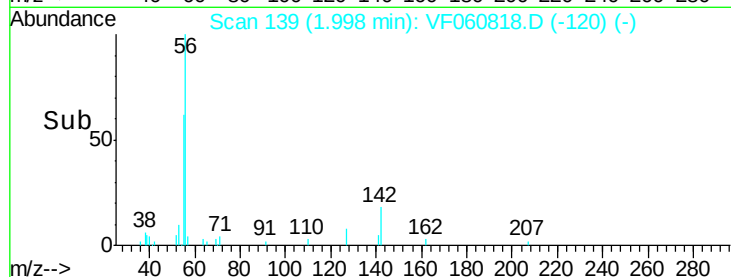
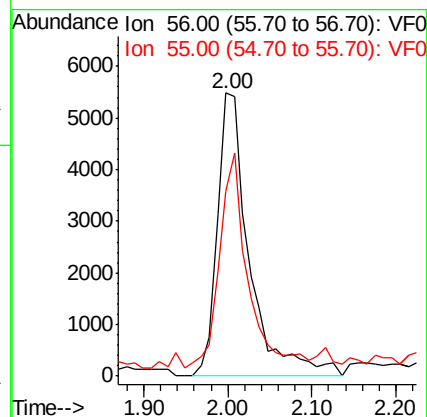
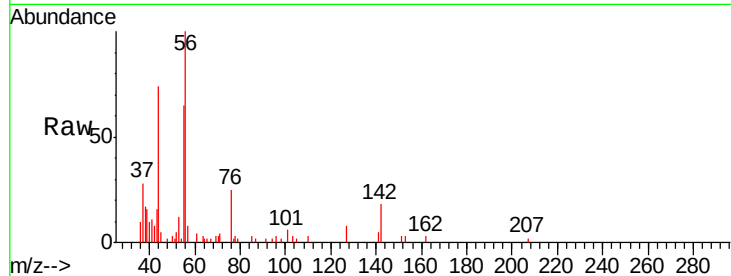
55 65.5 56.6 85.0

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#14

Allyl chloride

Concen: 61.13 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

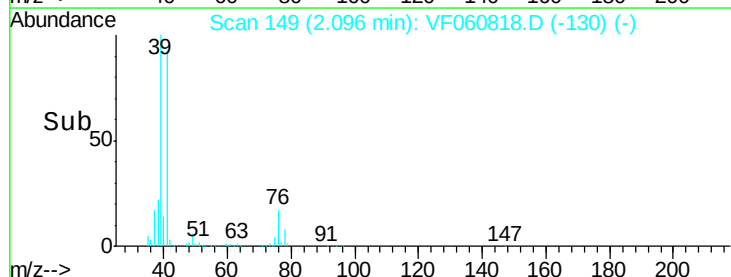
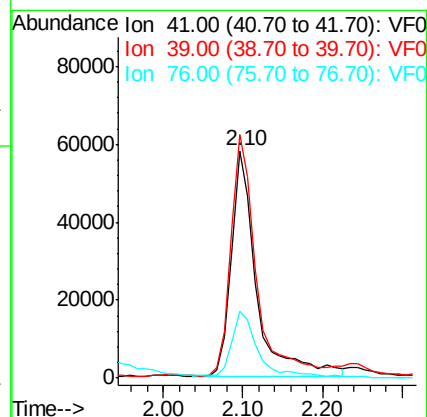
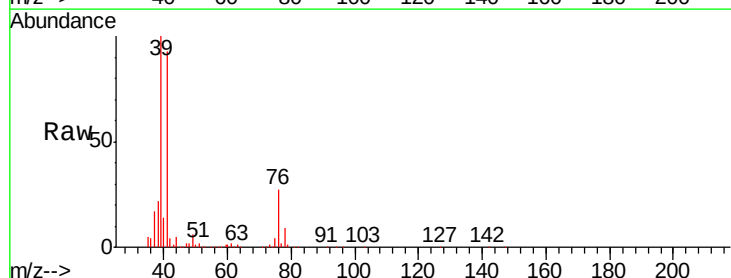
Tgt Ion: 41 Resp: 129870

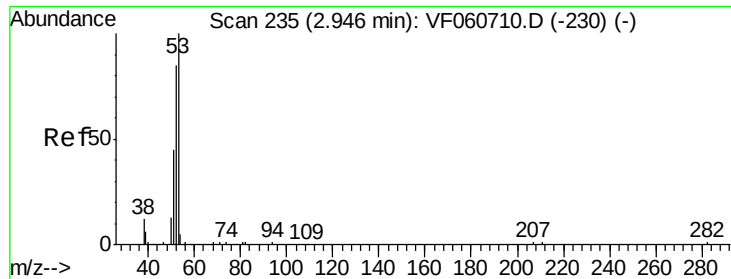
Ion Ratio Lower Upper

41 100

39 107.3 98.5 147.7

76 29.3 24.5 36.7





#15

Acrylonitrile

Concen: 383.50 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

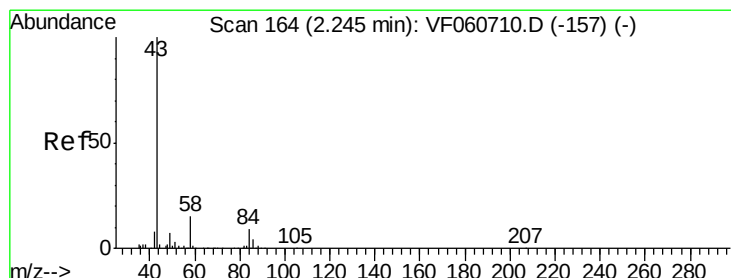
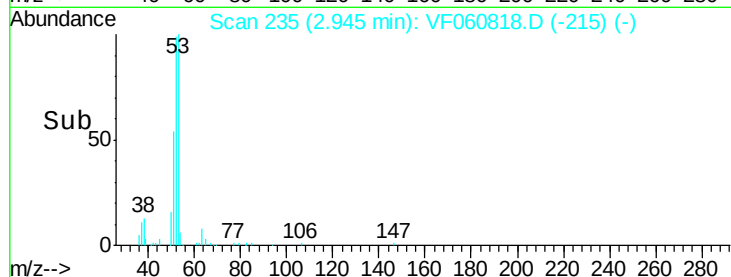
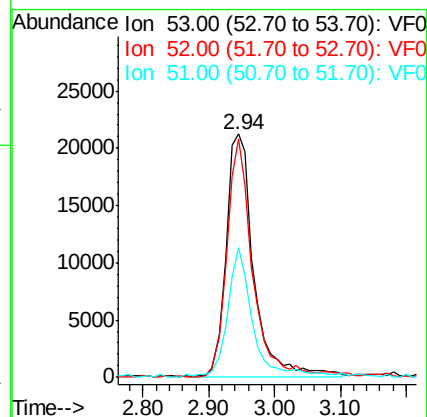
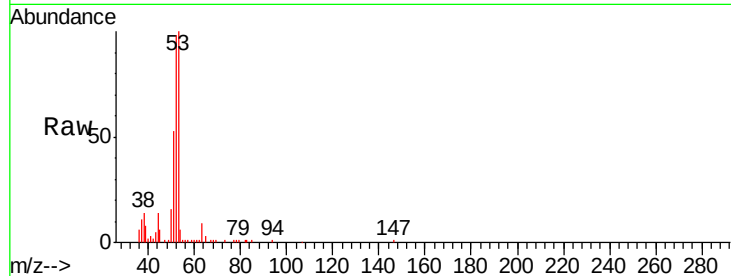
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	53	Resp:	63060
Ion	Ratio	Lower	Upper
53	100		
52	98.2	68.8	103.2
51	53.5	36.7	55.1

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#16

Acetone

Concen: 337.99 ug/l

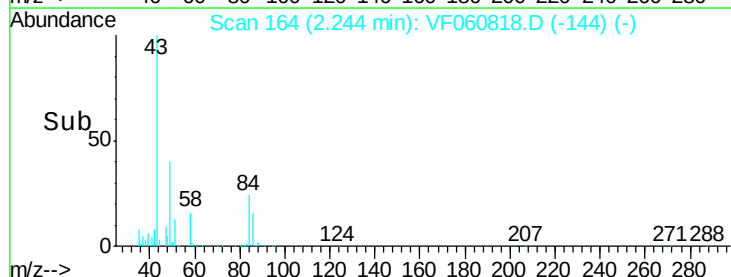
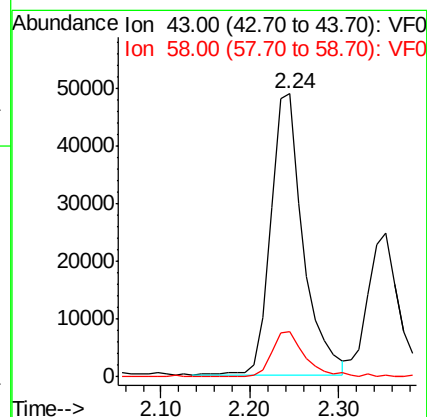
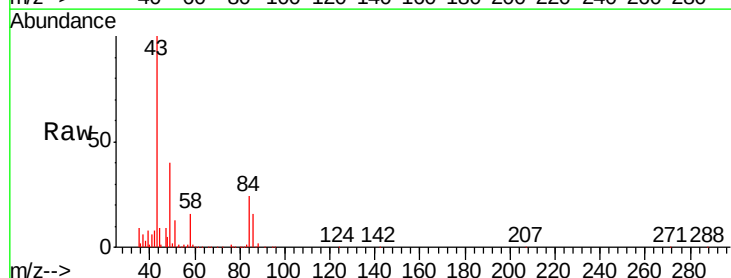
RT: 2.24 min Scan# 164

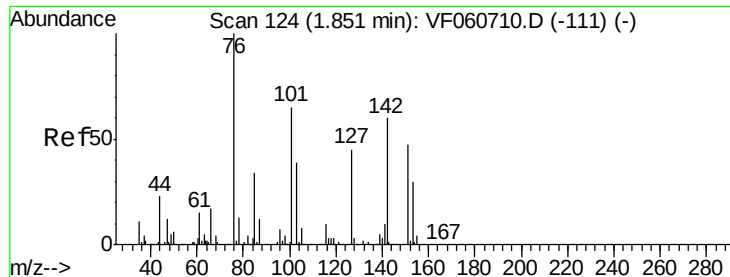
Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	43	Resp:	122494
Ion	Ratio	Lower	Upper
43	100		
58	15.8	11.6	17.4





#17

Carbon Disulfide

Concen: 54.88 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 76 Resp: 201160

Ion Ratio Lower Upper

76 100

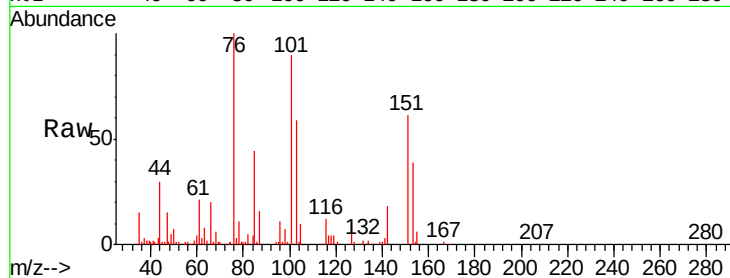
78 11.1 10.5 15.7

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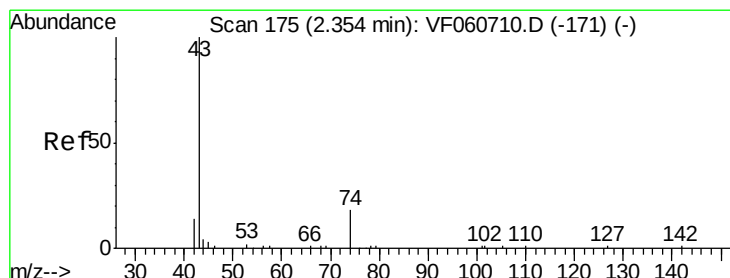
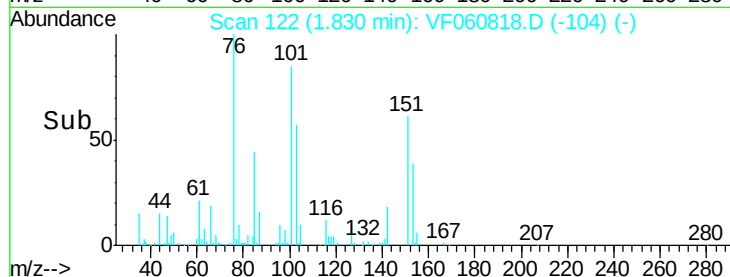
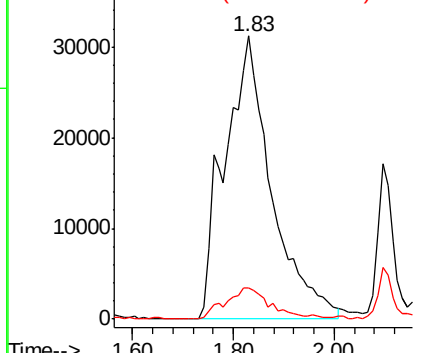
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 91.43 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF060818.D

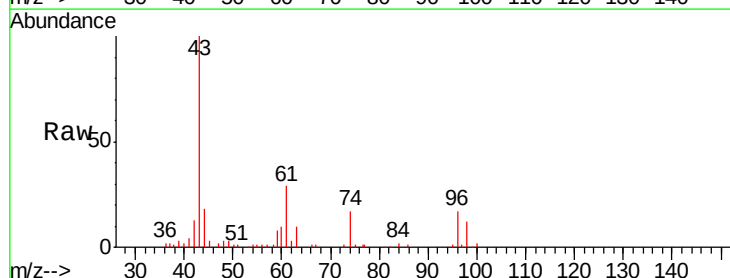
Acq: 20 Nov 2018 22:31

Tgt Ion: 43 Resp: 54408

Ion Ratio Lower Upper

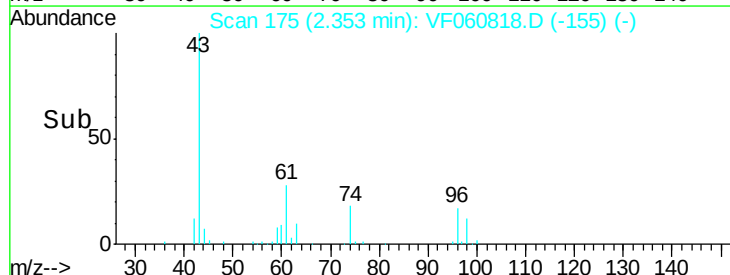
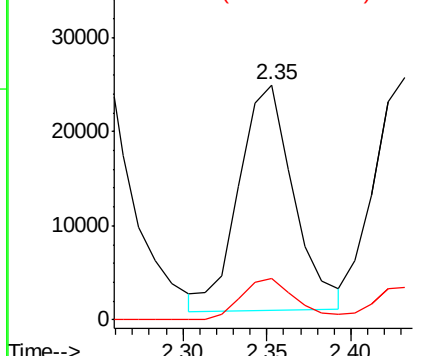
43 100

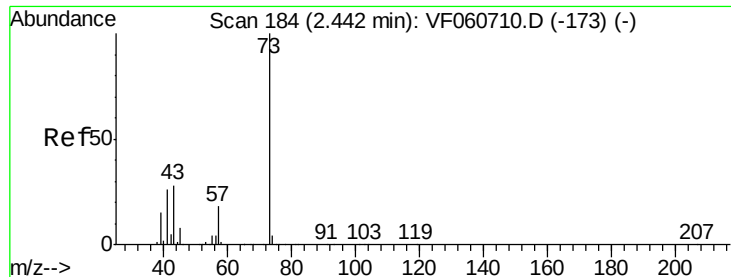
74 17.4 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





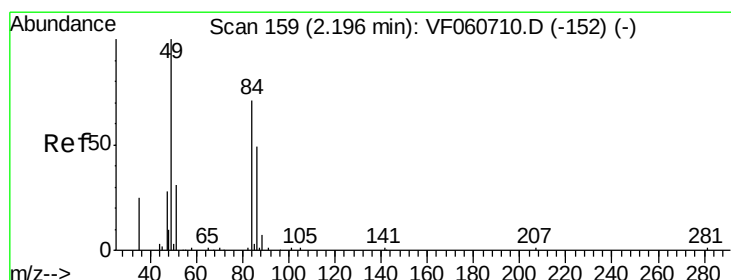
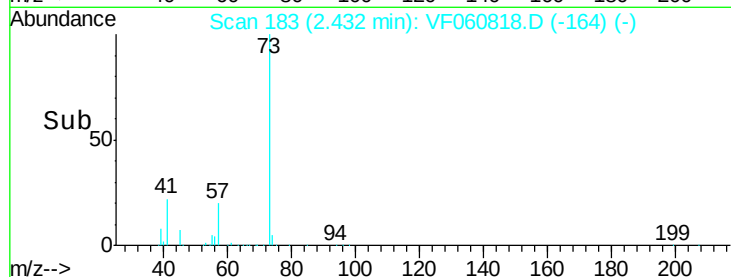
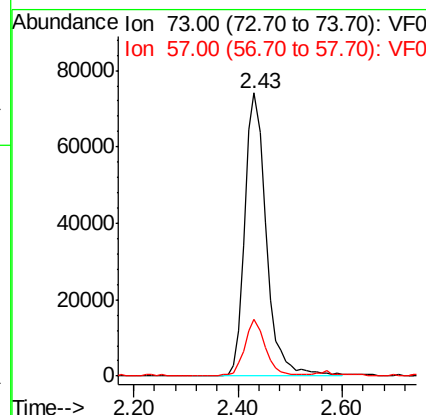
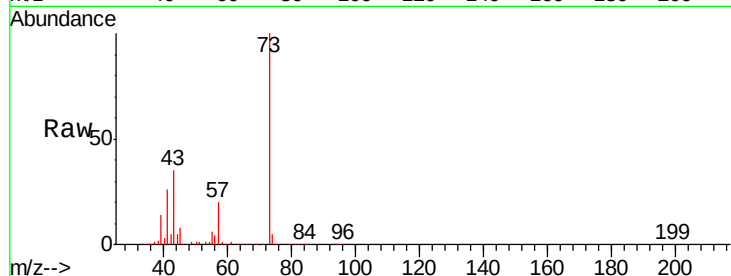
#19
Methyl tert-butyl Ether
Concen: 70.20 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion: 73 Resp: 204235
Ion Ratio Lower Upper
73 100
57 20.3 14.3 21.5

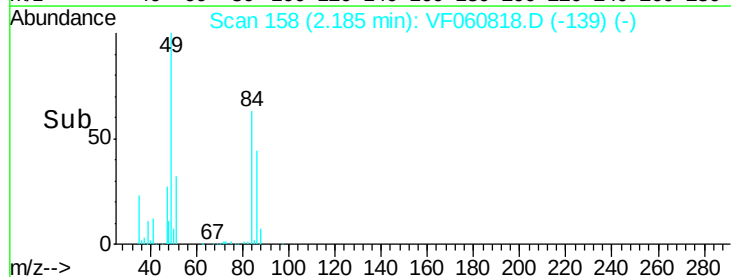
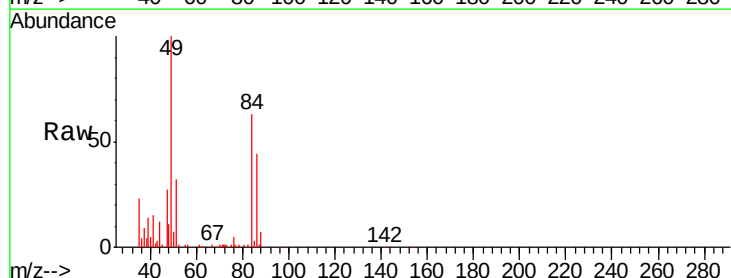
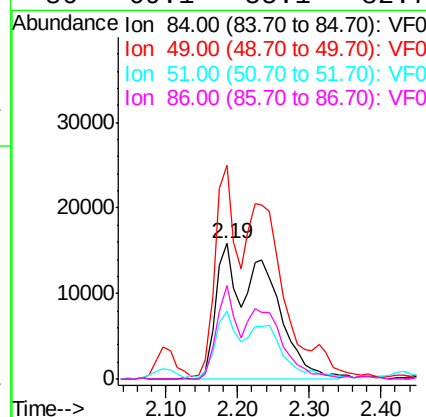
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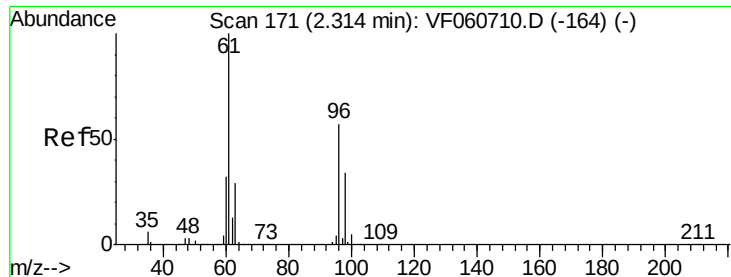
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#20
Methylene Chloride
Concen: 66.27 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion: 84 Resp: 78699
Ion Ratio Lower Upper
84 100
49 158.0 120.2 180.4
51 50.6 37.2 55.8
86 69.1 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 59.40 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

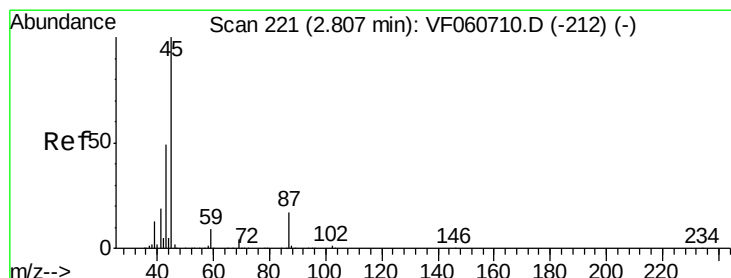
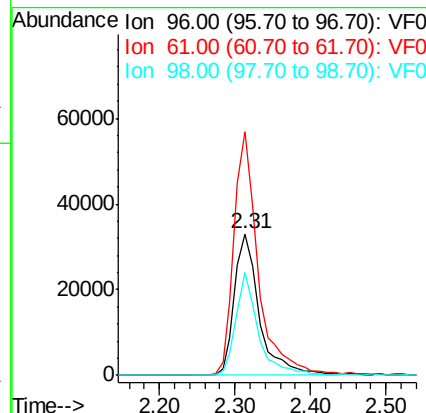
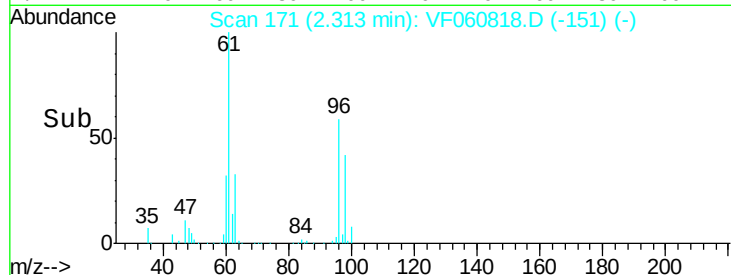
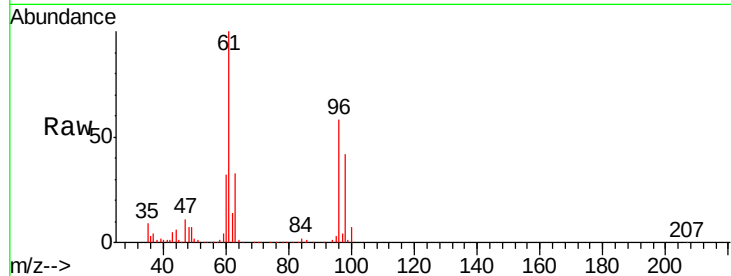
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	96	Resp:	75271
Ion	Ratio	Lower	Upper
96	100		
61	172.2	141.6	212.4
98	72.3	47.4	71.0#

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#22

Diisopropyl ether

Concen: 73.06 ug/l

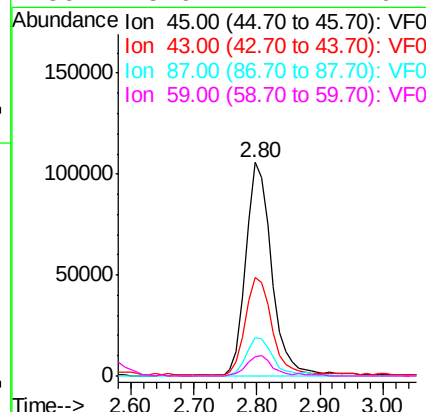
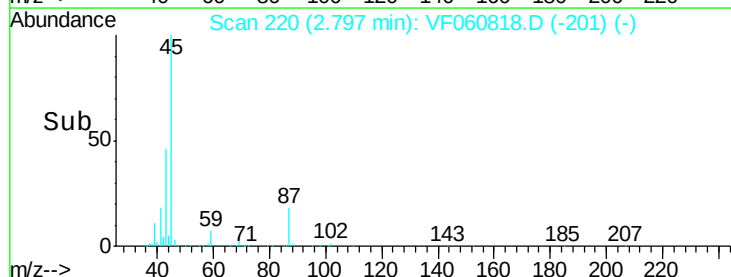
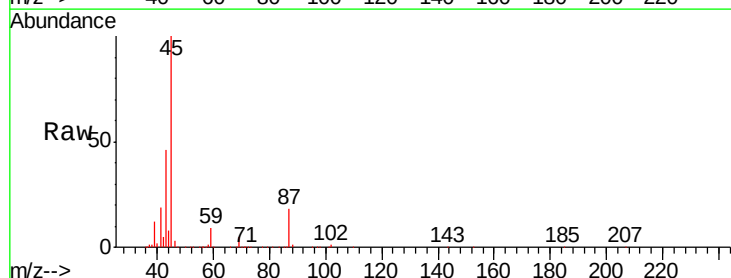
RT: 2.80 min Scan# 220

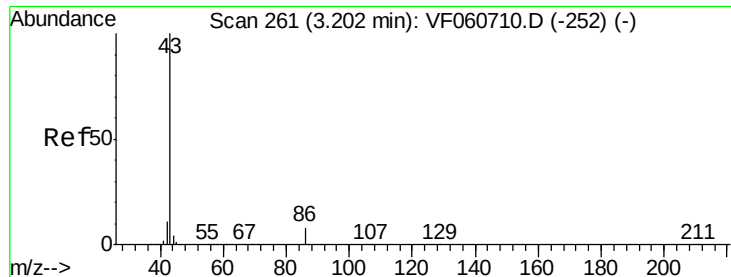
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	45	Resp:	299690
Ion	Ratio	Lower	Upper
45	100		
43	46.4	39.9	59.9
87	17.9	13.9	20.9
59	8.9	7.1	10.7





#23

Vinyl Acetate

Concen: 249.64 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 43 Resp: 482193

Ion Ratio Lower Upper

43 100

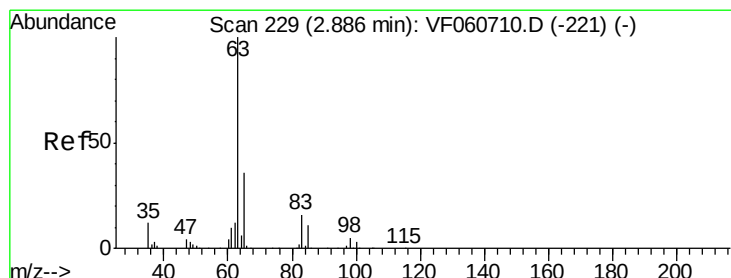
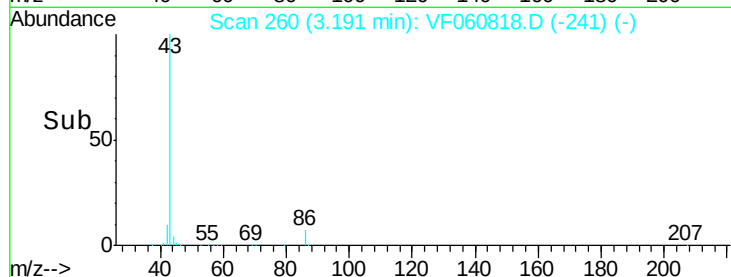
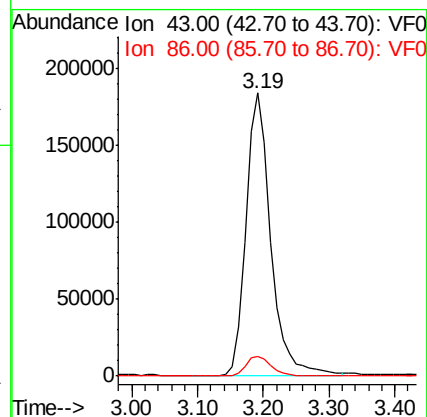
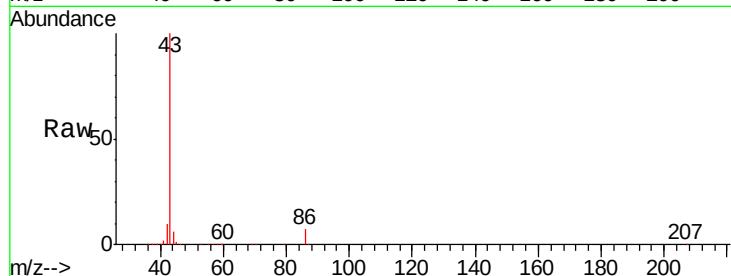
86 7.1 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 70.45 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

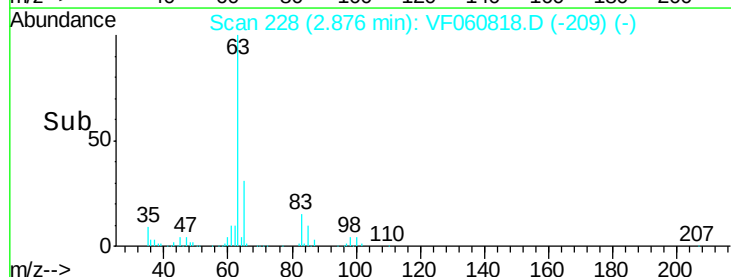
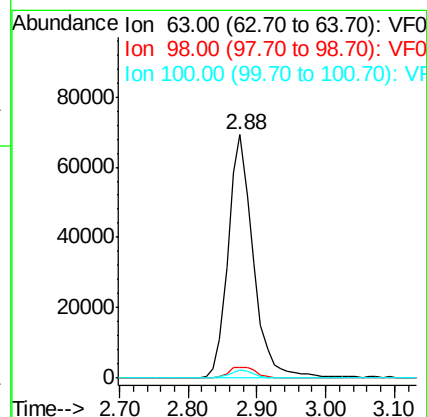
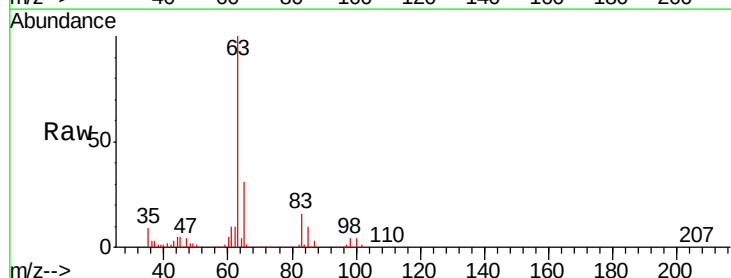
Tgt Ion: 63 Resp: 174941

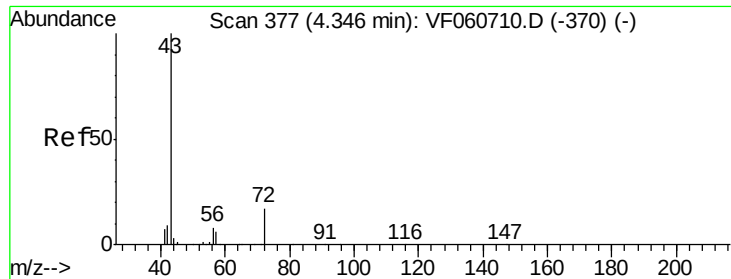
Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

100 3.5 1.4 4.2





#25

2-Butanone

Concen: 337.58 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 43 Resp: 201237

Ion Ratio Lower Upper

43 100

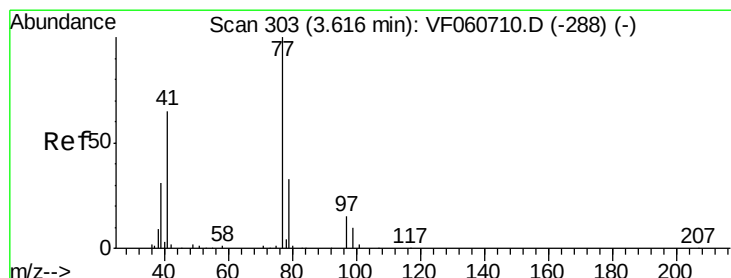
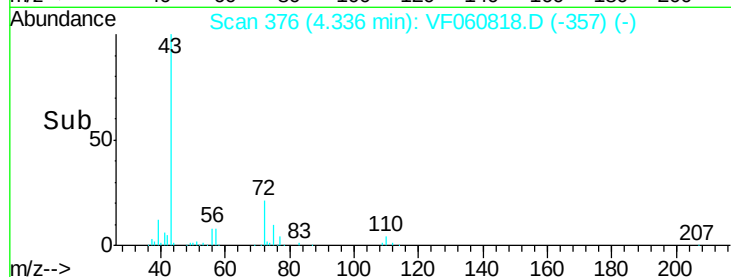
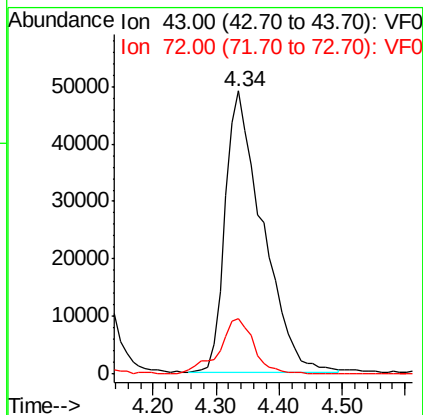
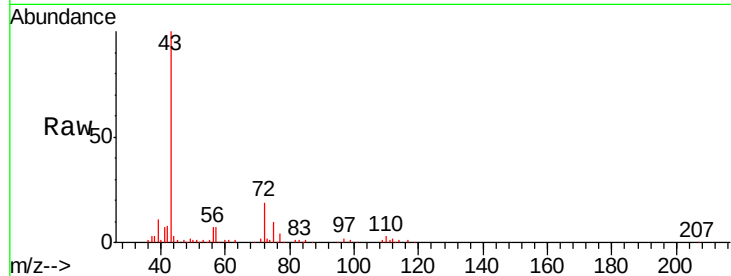
72 19.5 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 54.65 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060818.D

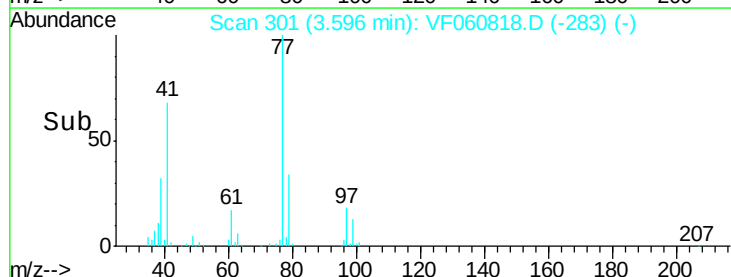
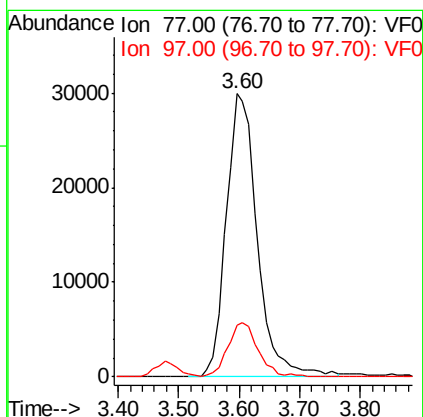
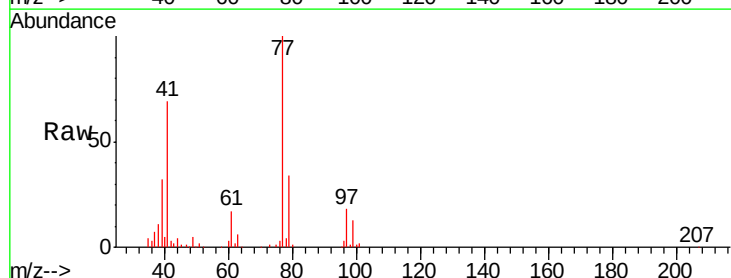
Acq: 20 Nov 2018 22:31

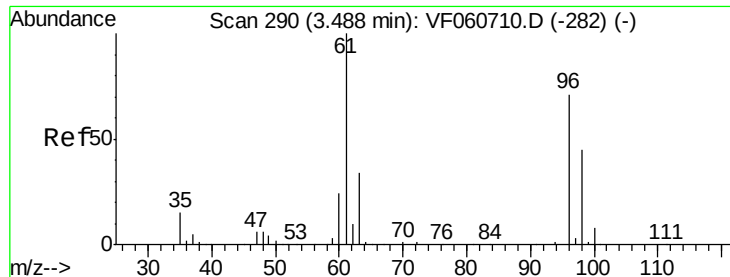
Tgt Ion: 77 Resp: 106803

Ion Ratio Lower Upper

77 100

97 18.3 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 57.91 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

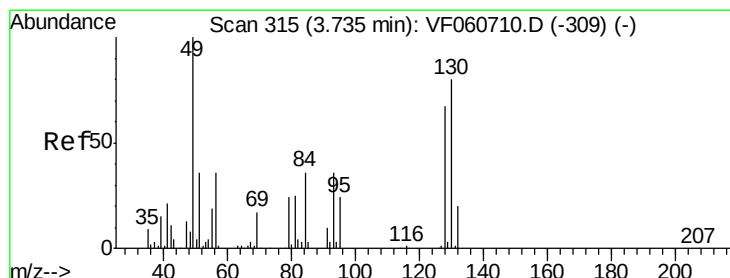
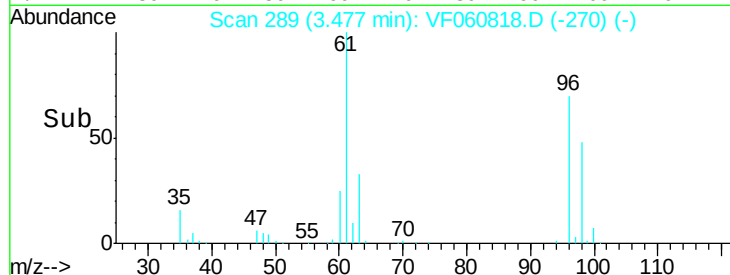
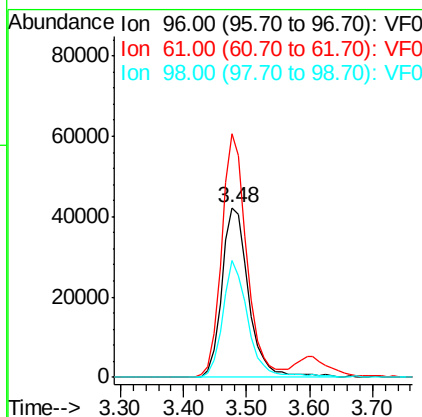
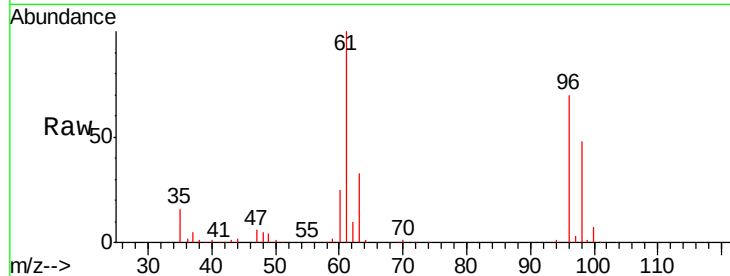
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	96	Resp:	124826
Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	280.6
98	68.6	0.0	127.6

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#28

Bromochloromethane

Concen: 57.67 ug/l

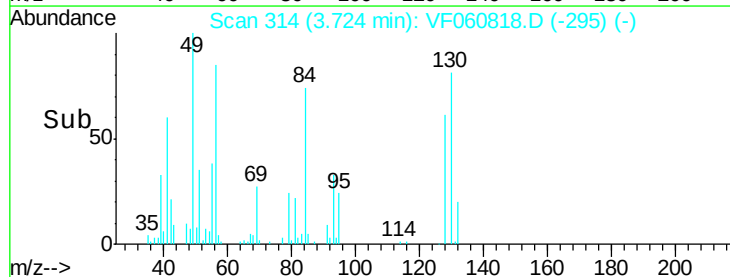
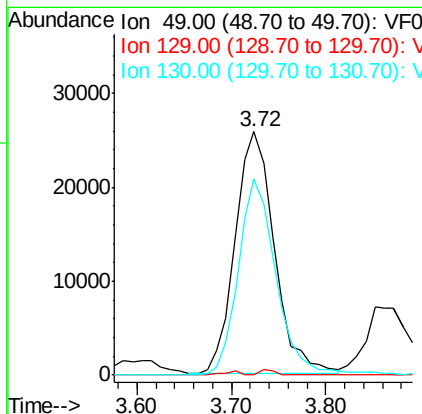
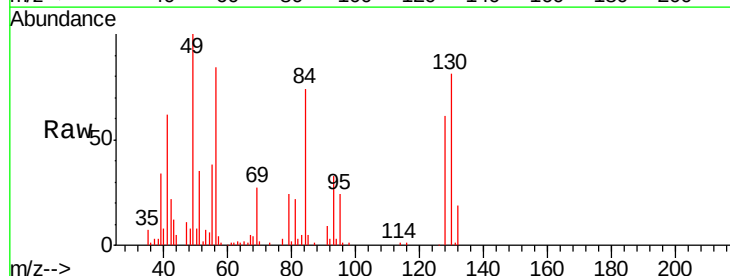
RT: 3.72 min Scan# 314

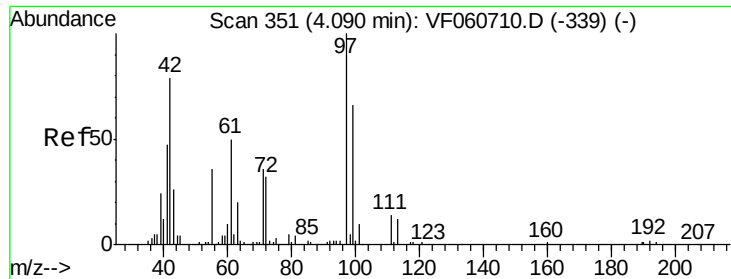
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	49	Resp:	74434
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	80.8	63.9	95.9





#29

Tetrahydrofuran

Concen: 359.73 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

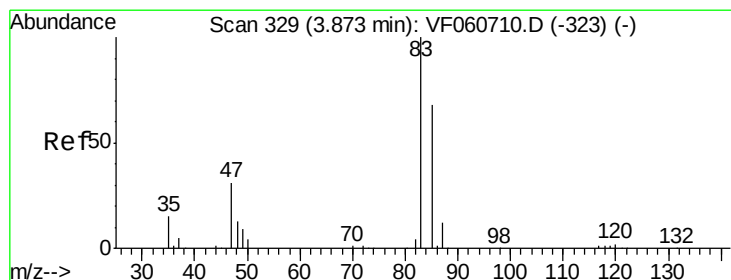
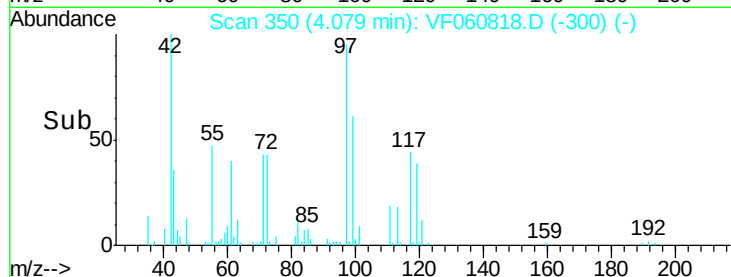
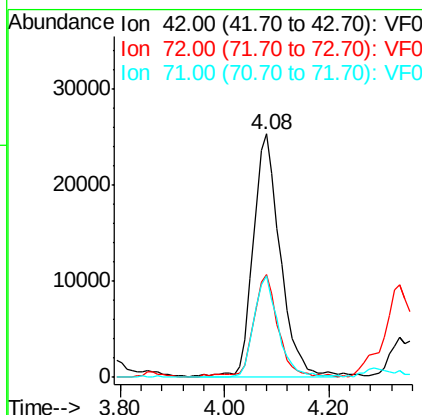
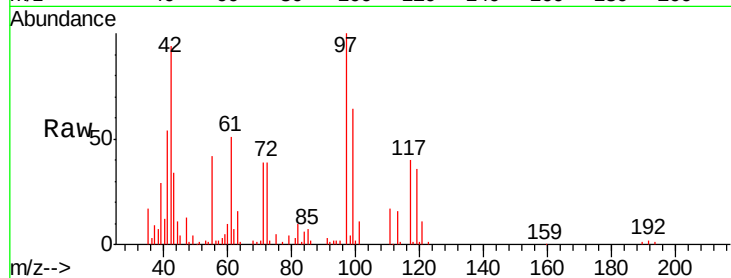
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	42	Resp:	88453
Ion Ratio	Lower	Upper	
42	100		
72	38.2	30.3	45.5
71	37.9	32.2	48.2

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#30

Chloroform

Concen: 59.25 ug/l

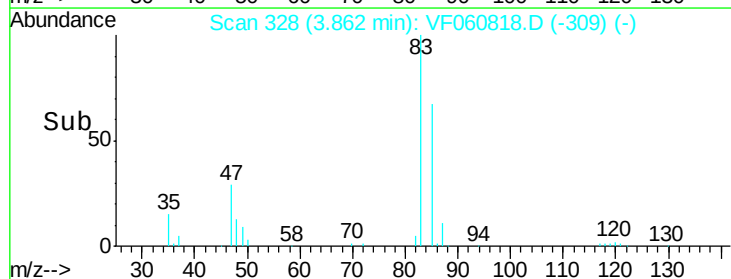
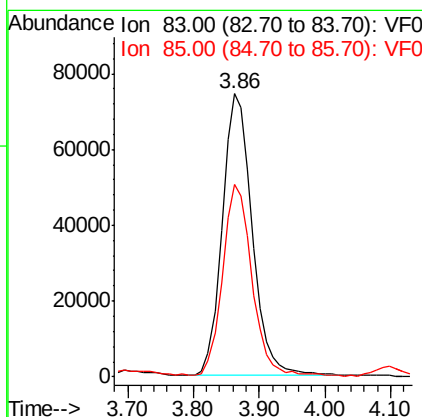
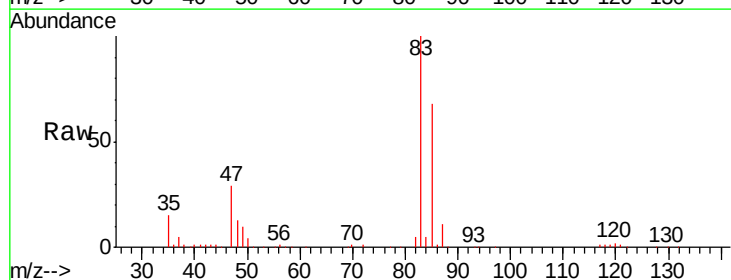
RT: 3.86 min Scan# 328

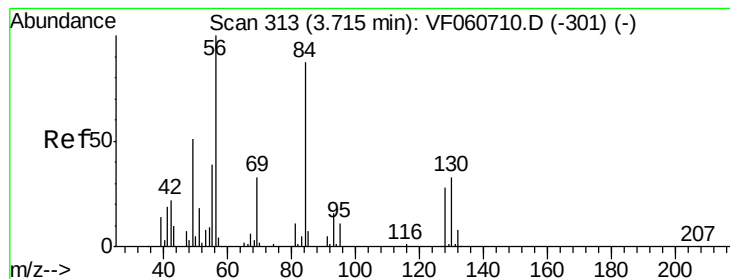
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	83	Resp:	236091
Ion Ratio	Lower	Upper	
83	100		
85	67.8	54.6	82.0





#31

Cyclohexane

Concen: 55.88 ug/l

RT: 3.70 min Scan# 312

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 56 Resp: 168426

Ion Ratio Lower Upper

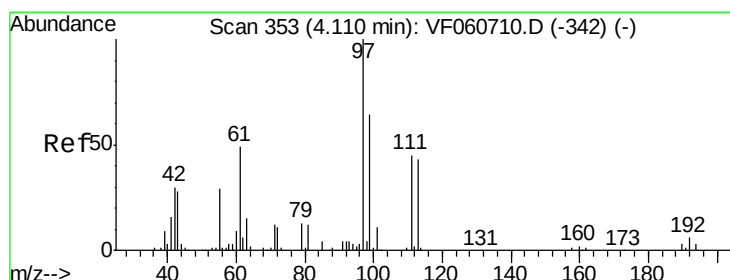
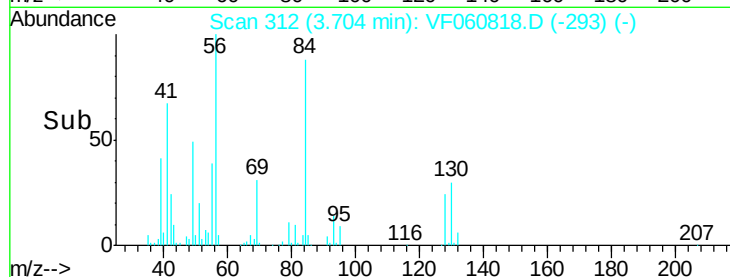
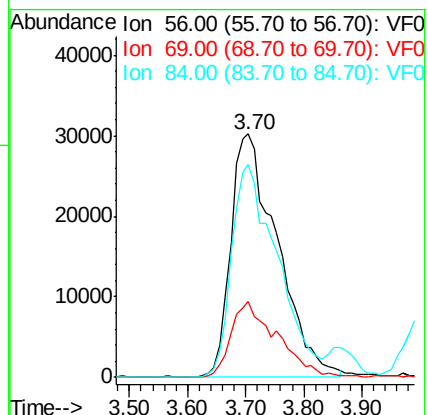
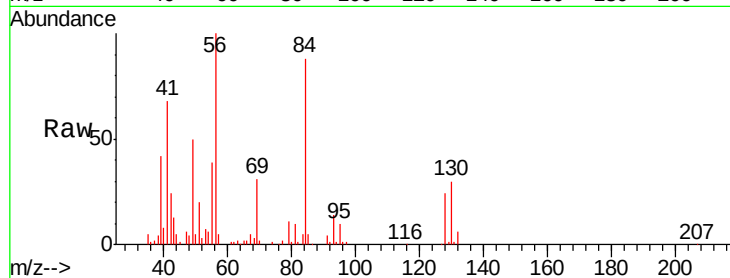
56 100

69 31.1 26.0 39.0

84 87.7 69.4 104.2

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#32

1,1,1-Trichloroethane

Concen: 60.28 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

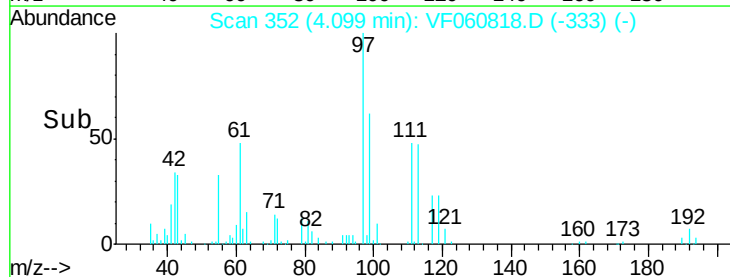
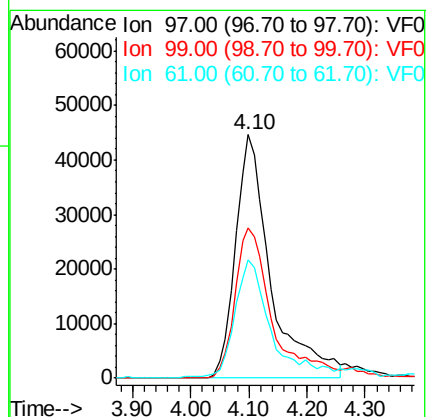
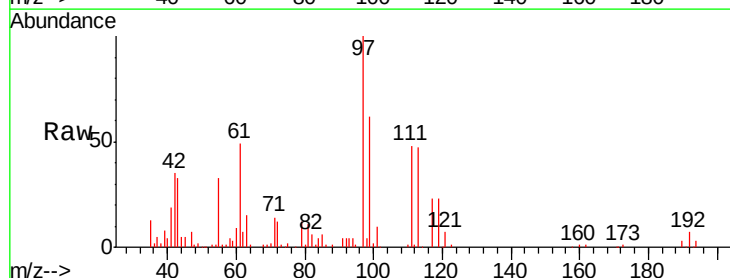
Tgt Ion: 97 Resp: 189128

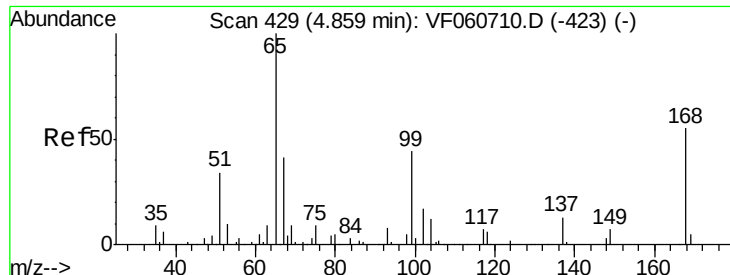
Ion Ratio Lower Upper

97 100

99 61.8 51.1 76.7

61 48.6 40.1 60.1





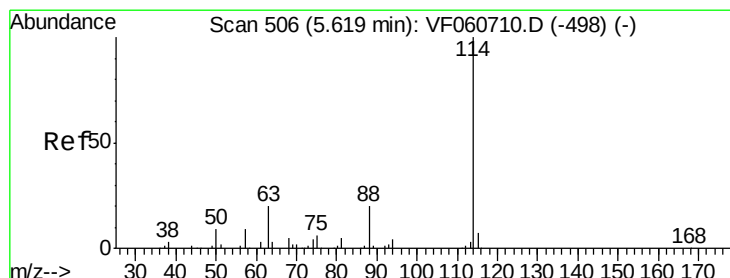
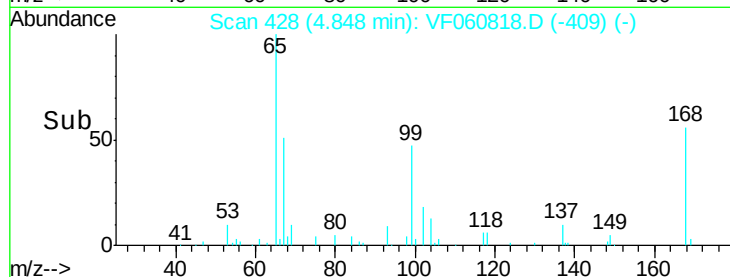
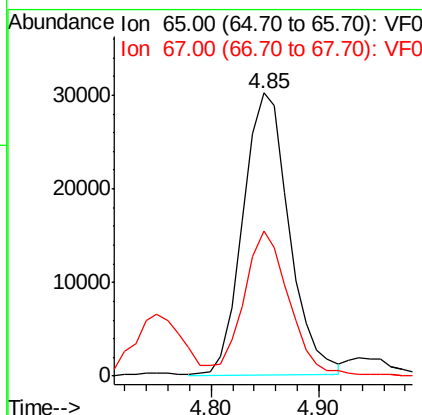
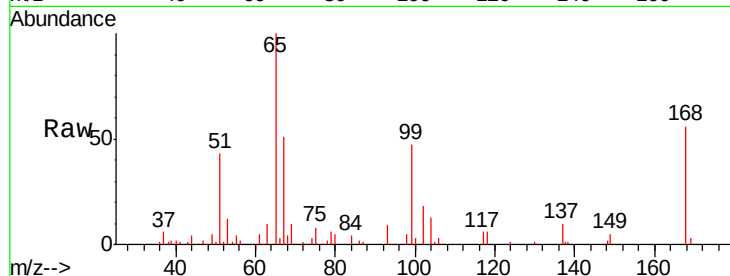
#33
 1,2-Dichloroethane-d4
 Concen: 52.81 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Tgt Ion: 65 Resp: 89542
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 90.2

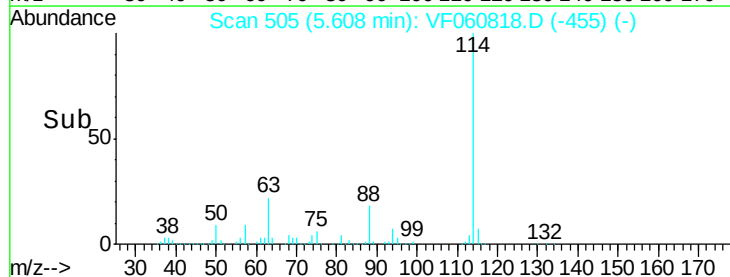
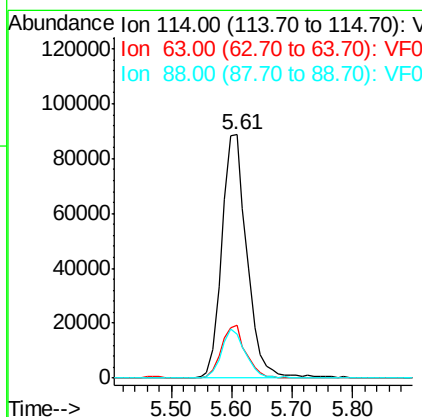
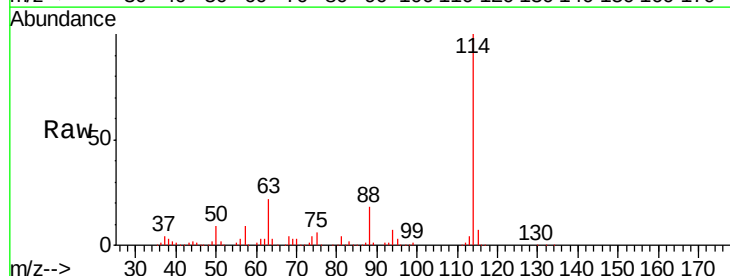
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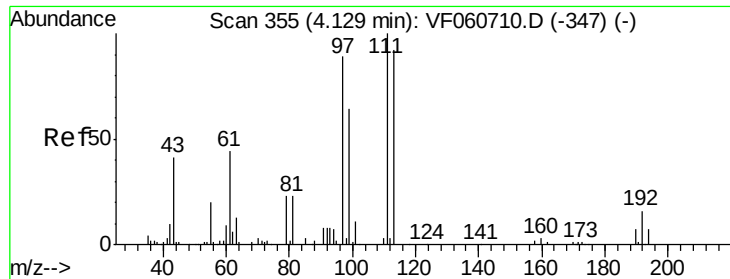
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion: 114 Resp: 255736
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 17.9 0.0 39.6





#35

Dibromofluoromethane

Concen: 56.57 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

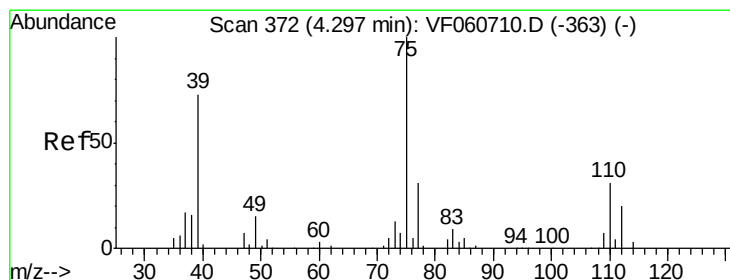
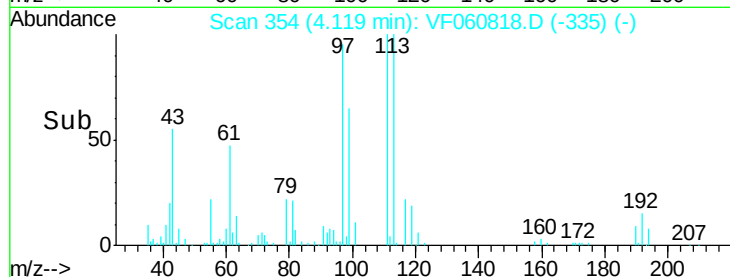
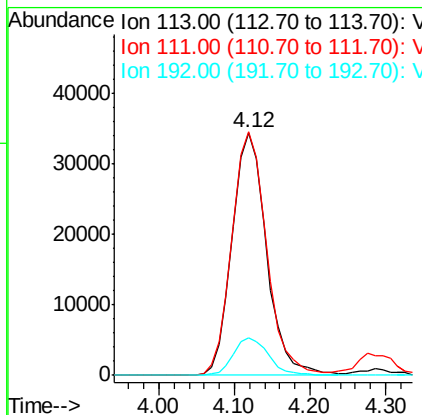
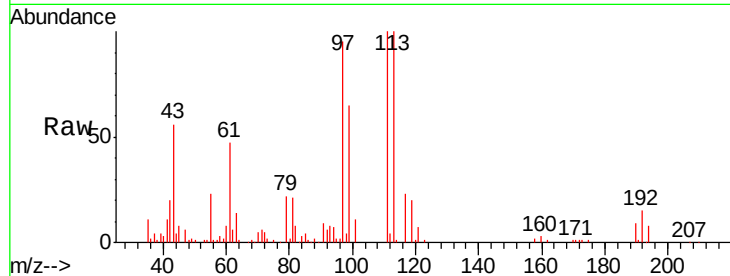
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	113	Resp:	108743
Ion Ratio	Lower	Upper	
113	100		
111	100.4	87.1	130.7
192	15.4	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 54.23 ug/l

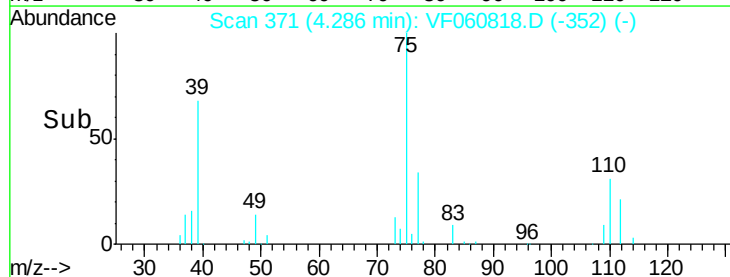
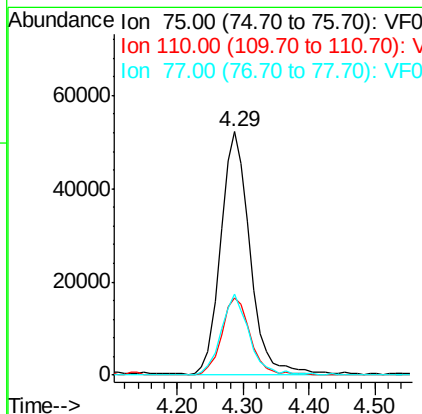
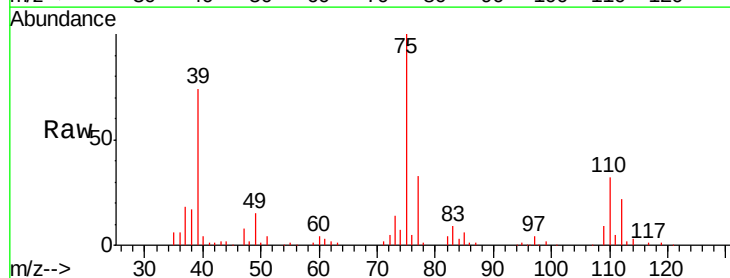
RT: 4.29 min Scan# 371

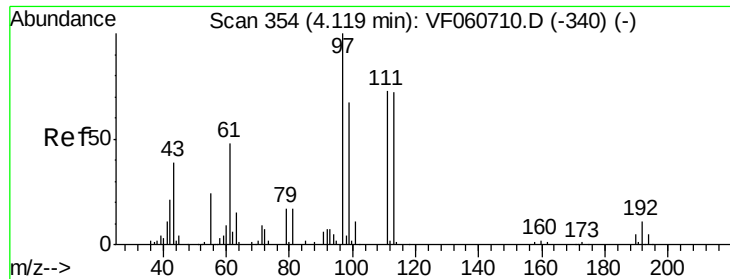
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	75	Resp:	160846
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.6	46.8
77	33.3	25.0	37.6





#37

Ethyl Acetate

Concen: 69.83 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

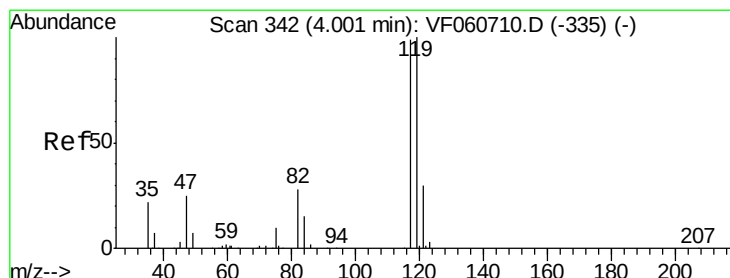
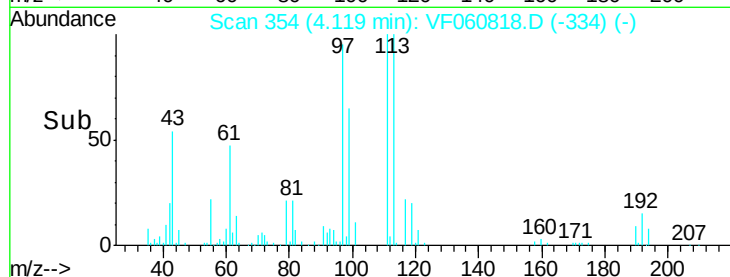
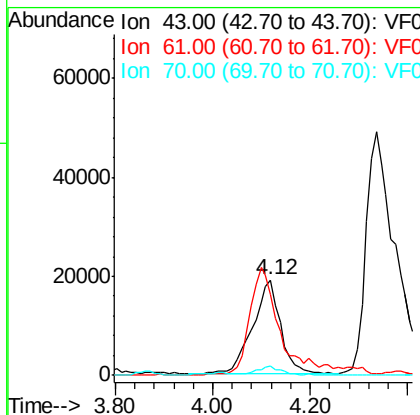
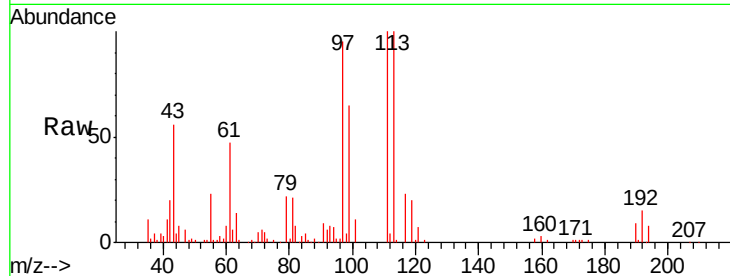
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	43	Resp:	76998
Ion Ratio	Lower	Upper	
43	100		
61	84.4	98.5	147.7#
70	9.6	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 55.38 ug/l

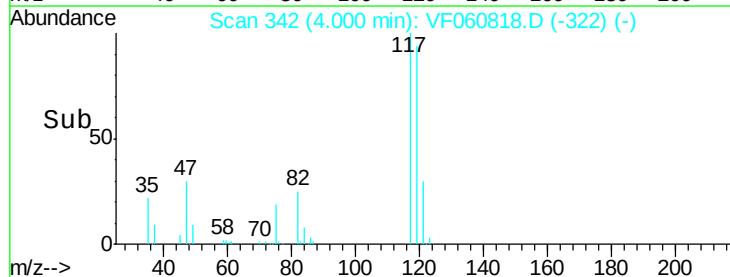
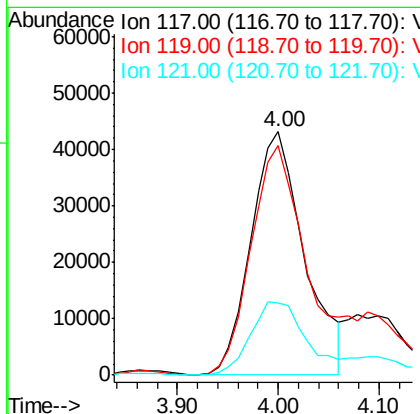
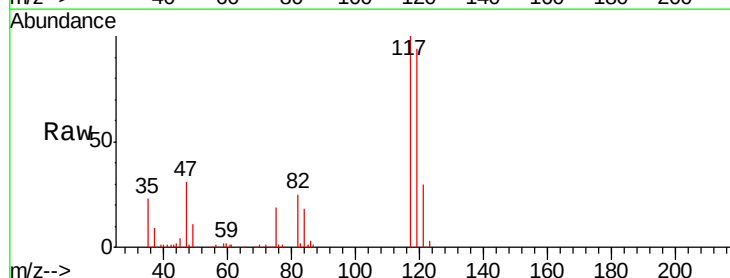
RT: 4.00 min Scan# 342

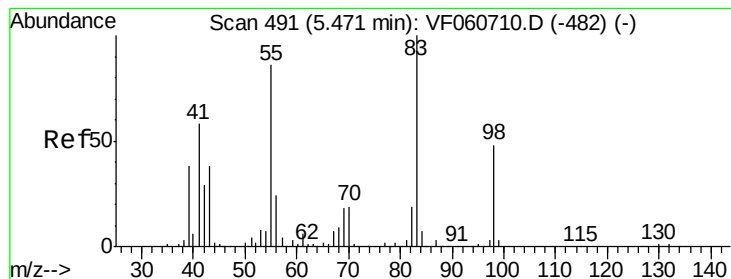
Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	117	Resp:	159367
Ion Ratio	Lower	Upper	
117	100		
119	94.4	80.7	121.1
121	29.8	24.3	36.5





#39

Methylcyclohexane

Concen: 44.67 ug/l

RT: 5.46 min Scan# 490

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

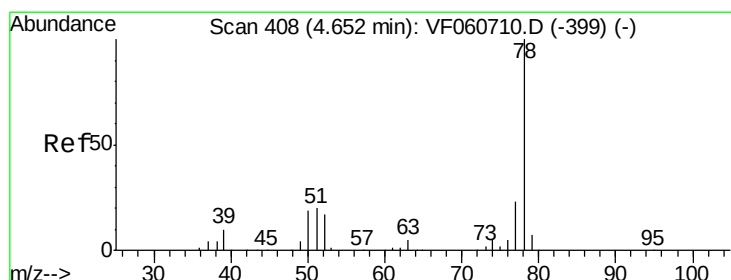
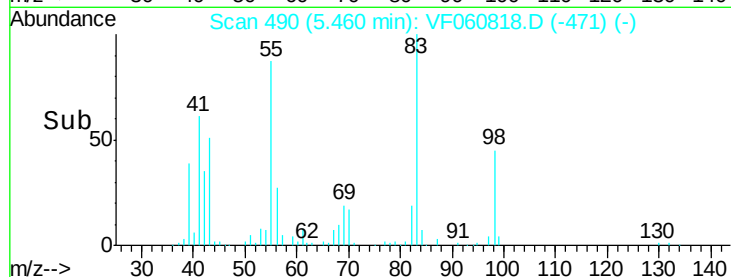
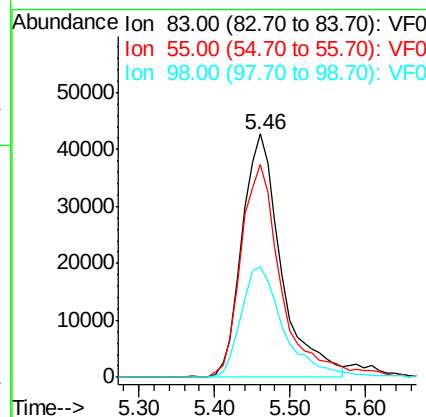
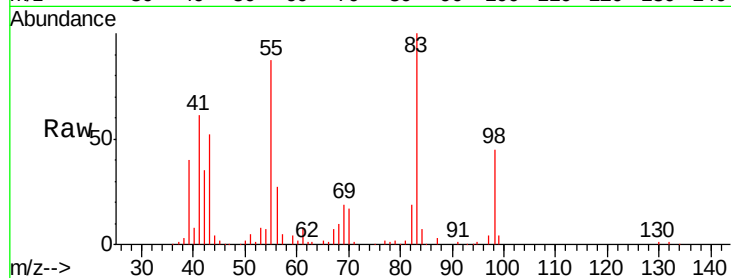
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	83.00	Resp:	153718
Ion Ratio	Lower	Upper	
83	100		
55	87.4	69.0	103.4
98	45.3	38.5	57.7

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#40

Benzene

Concen: 59.42 ug/l

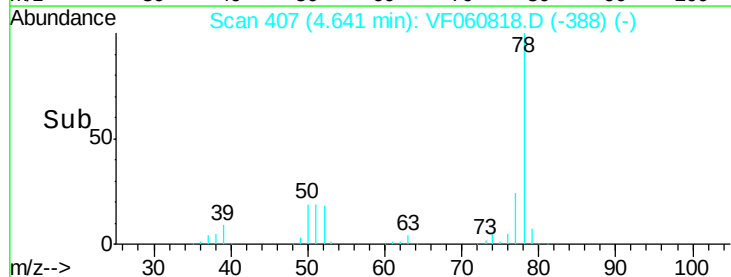
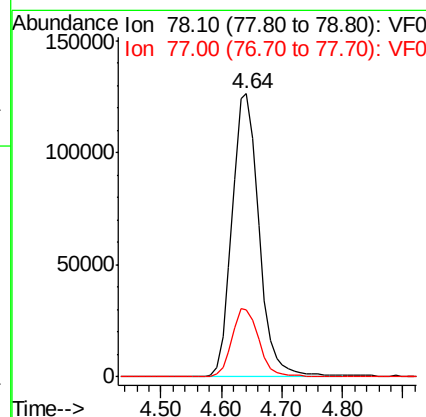
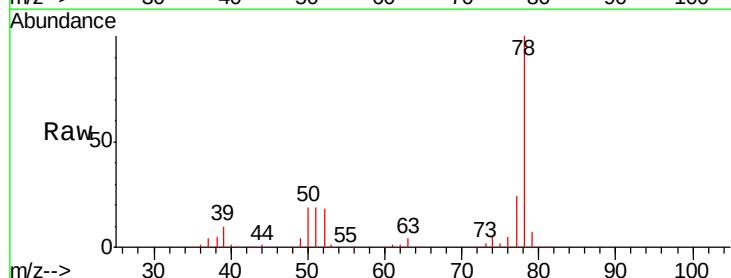
RT: 4.64 min Scan# 407

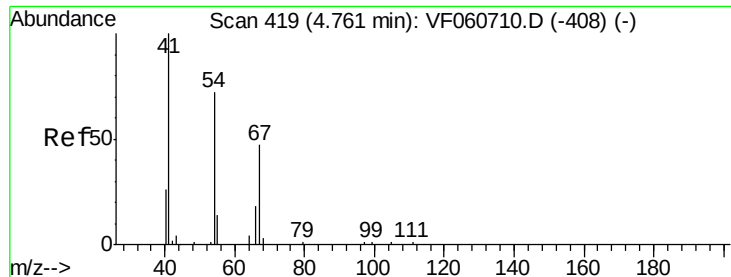
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	78	Resp:	392876
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.6	28.0





#41

Methacrylonitrile

Concen: 67.95 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

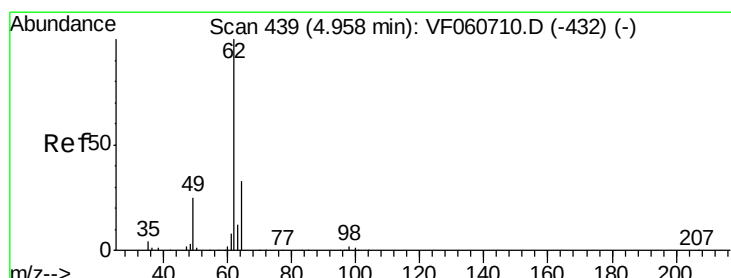
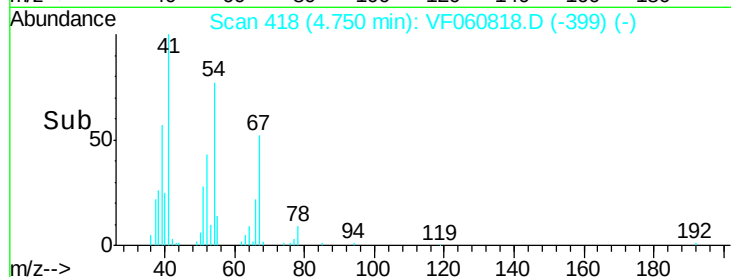
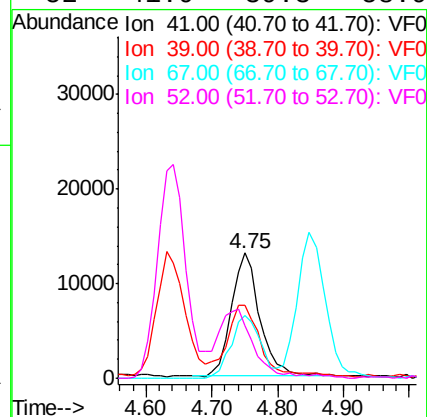
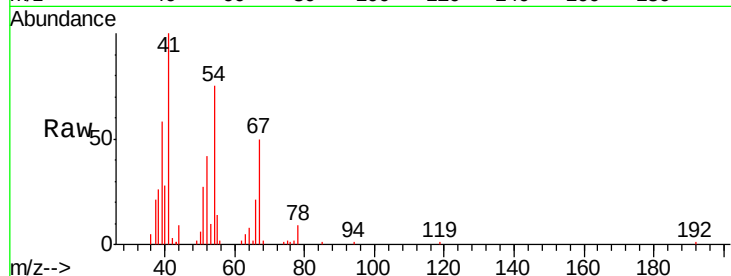
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.2	47.1	70.7	
67	49.9	37.1	55.7	
52	41.9	39.3	58.9	

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#42

1,2-Dichloroethane

Concen: 58.07 ug/l

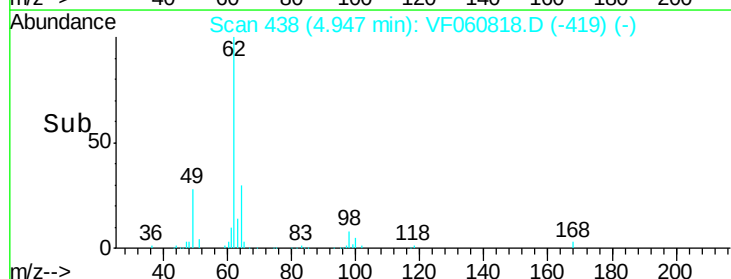
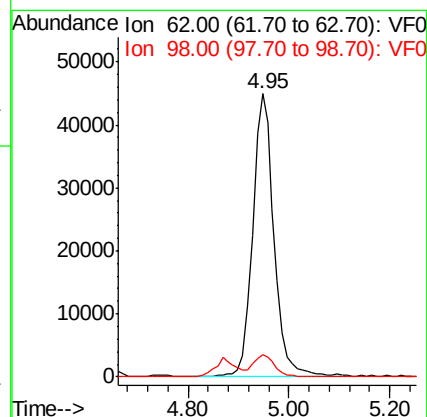
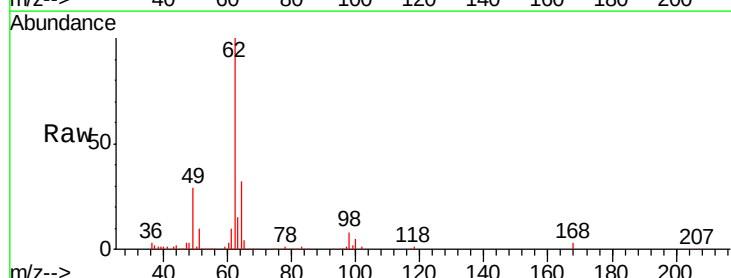
RT: 4.95 min Scan# 438

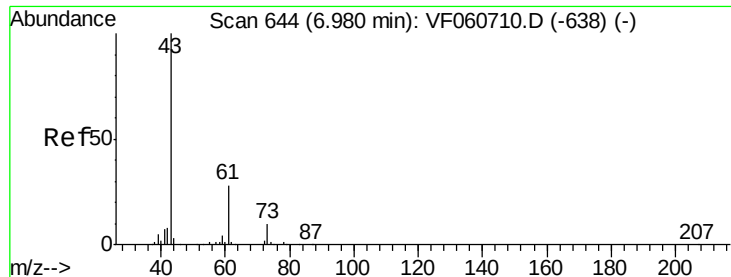
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	16.6	





#43

Isopropyl Acetate

Concen: 58.81 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

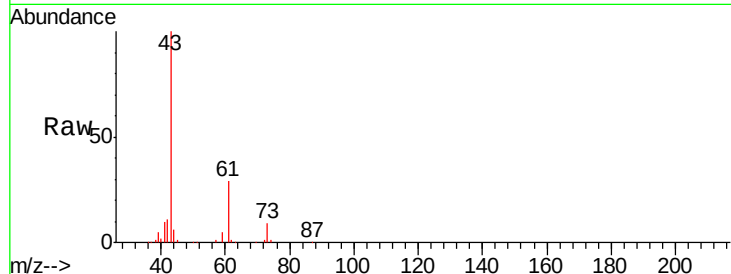
ClientSampleId :

MMTW-03(8-10)MSD

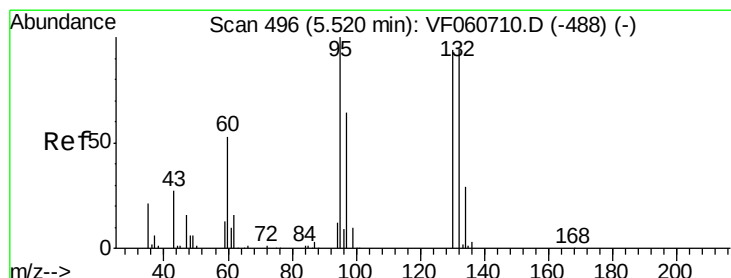
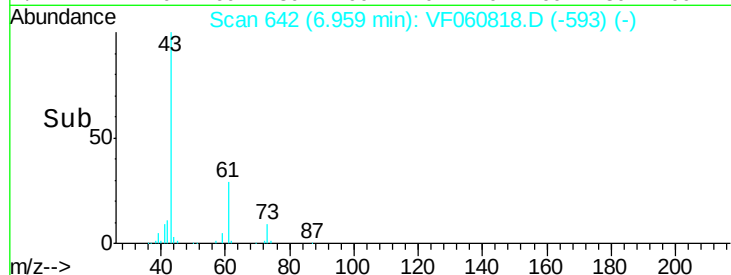
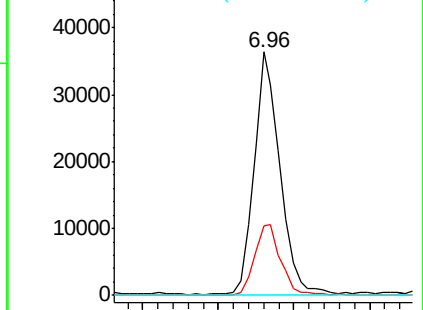
Tgt Ion:	43	Resp:	85975
Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.2	33.4
87	0.4	0.4	0.6

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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: 51.46 ug/l

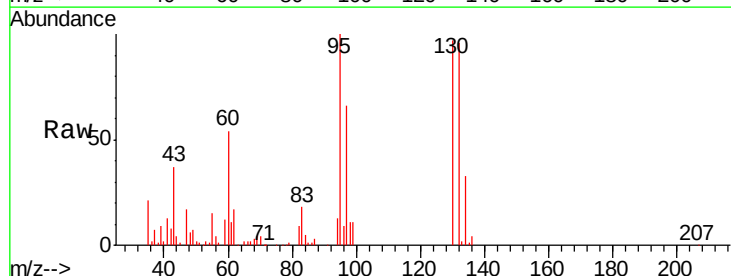
RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

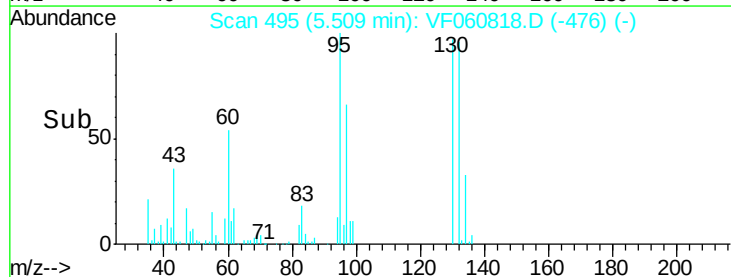
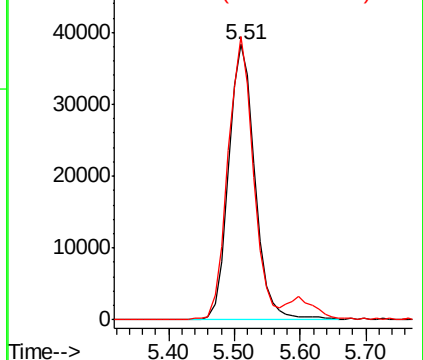
Lab File: VF060818.D

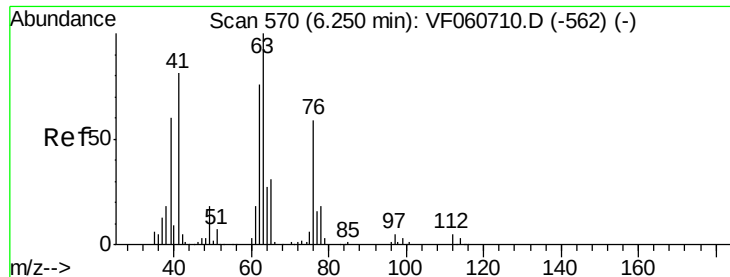
Acq: 20 Nov 2018 22:31

Tgt Ion:	130	Resp:	107348
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	212.6



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





#45

1,2-Dichloropropane

Concen: 59.33 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 63 Resp: 102067

Ion Ratio Lower Upper

63 100

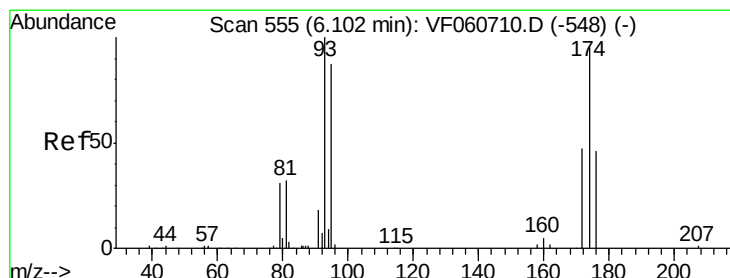
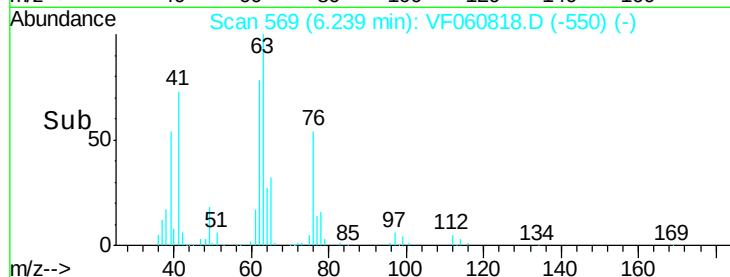
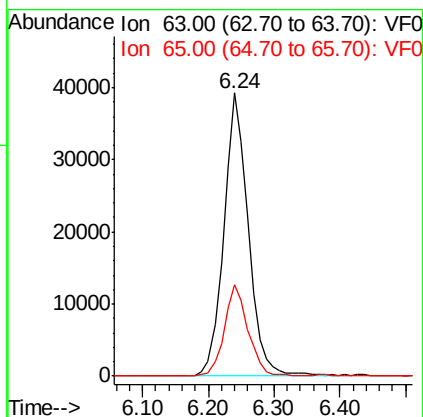
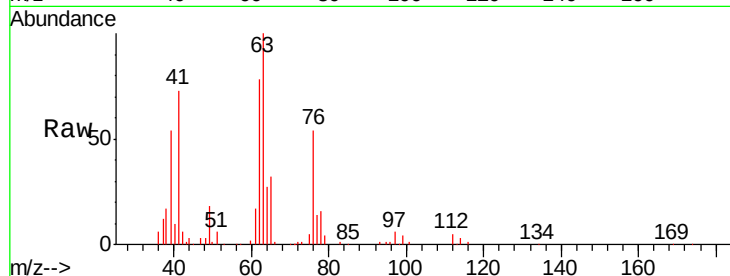
65 32.1 24.6 36.8

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#46

Dibromomethane

Concen: 59.52 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

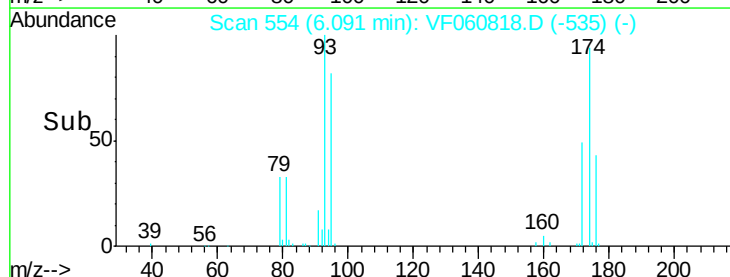
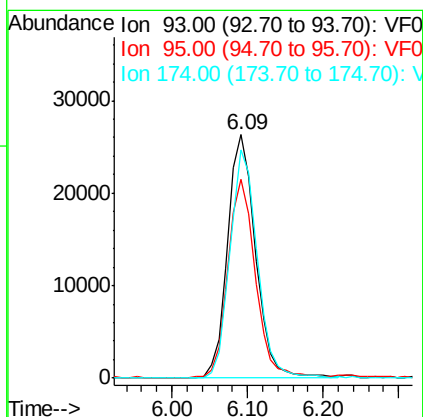
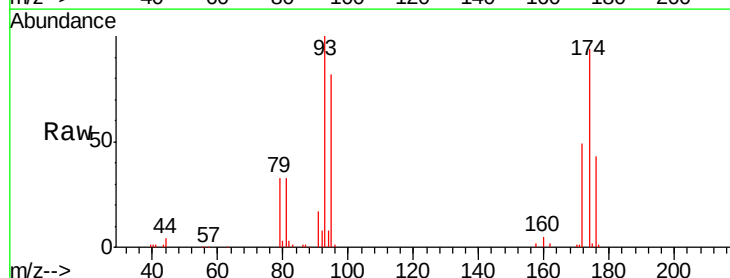
Tgt Ion: 93 Resp: 67592

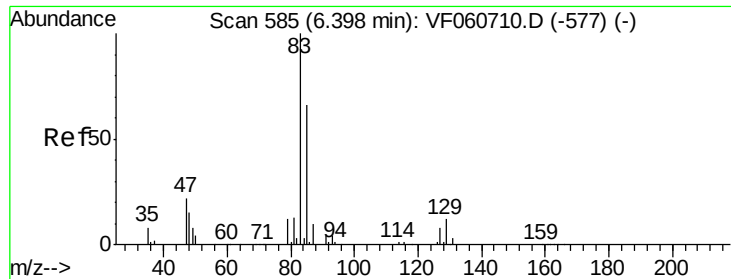
Ion Ratio Lower Upper

93 100

95 81.8 69.5 104.3

174 93.6 76.2 114.2





#47

Bromodichloromethane

Concen: 59.16 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

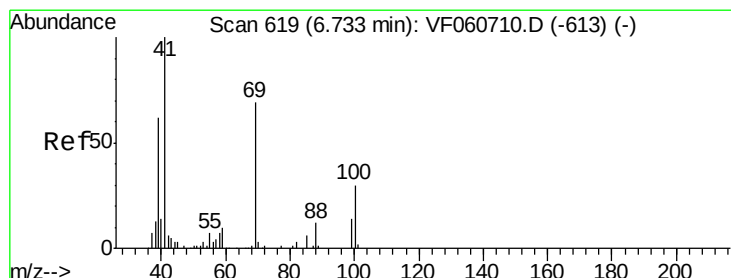
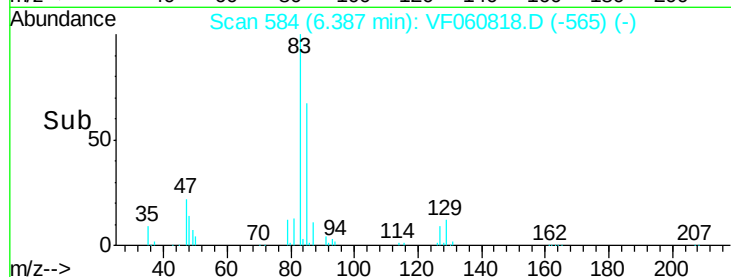
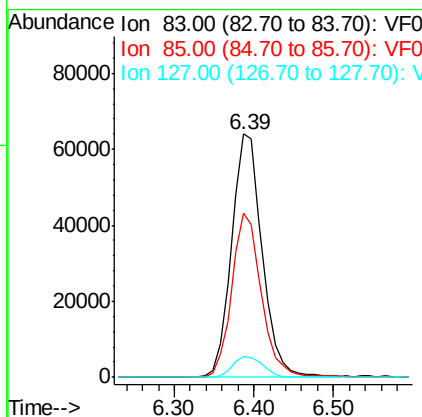
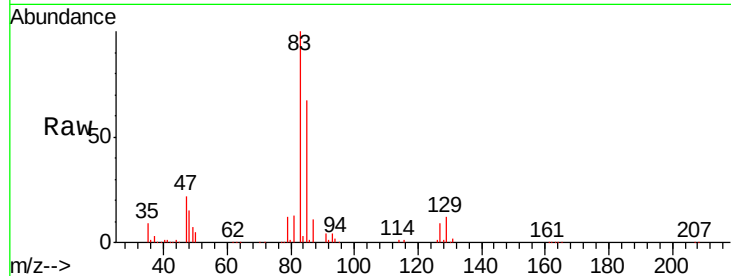
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	83	Resp:	171563
Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.4	78.6
127	8.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 63.46 ug/l

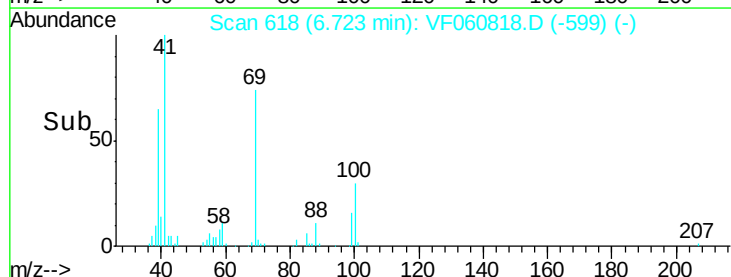
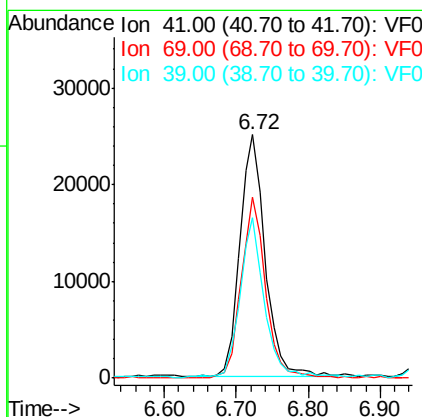
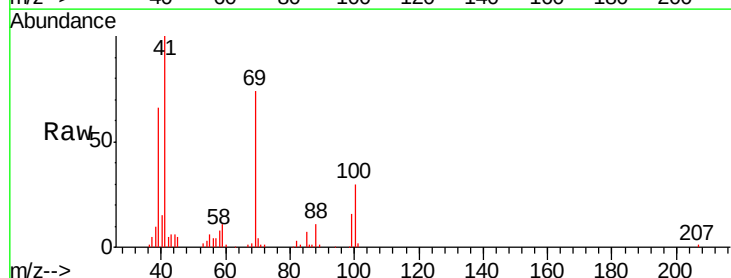
RT: 6.72 min Scan# 618

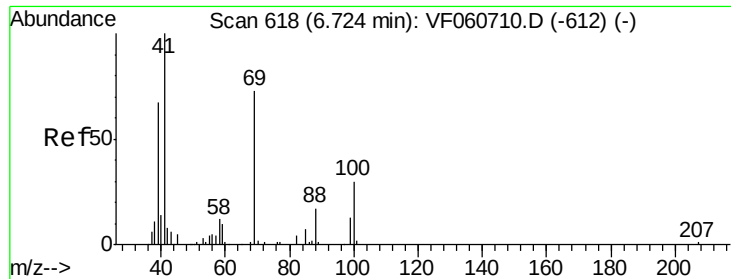
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	41	Resp:	61400
Ion	Ratio	Lower	Upper
41	100		
69	74.2	54.9	82.3
39	66.1	49.6	74.4





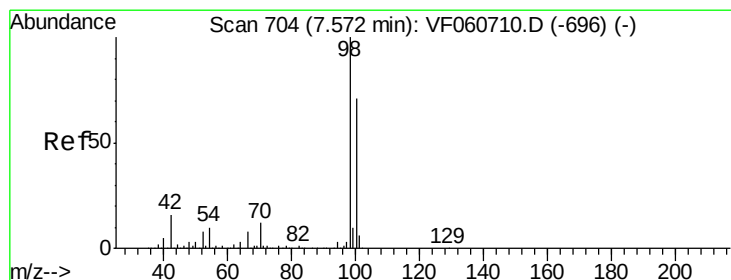
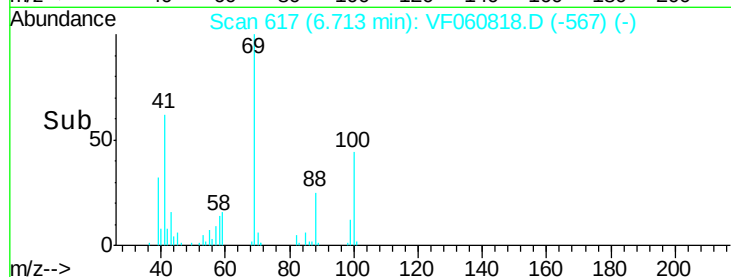
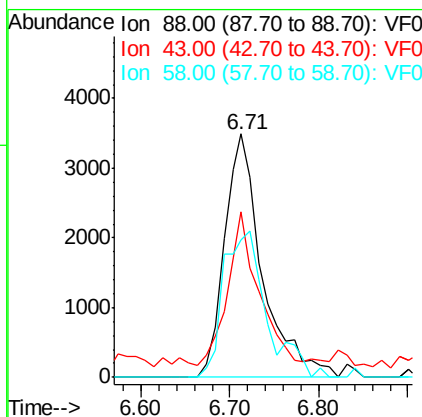
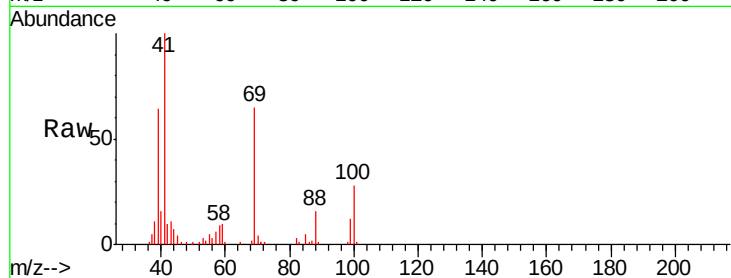
#49
1,4-Dioxane
Concen: 1146.07 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	10371		
43	68.0	44.6	66.8#	
58	56.6	54.5	81.7	

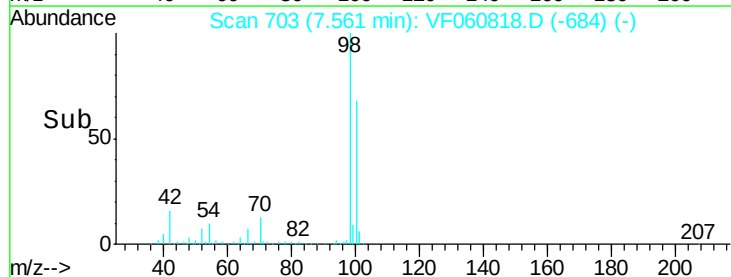
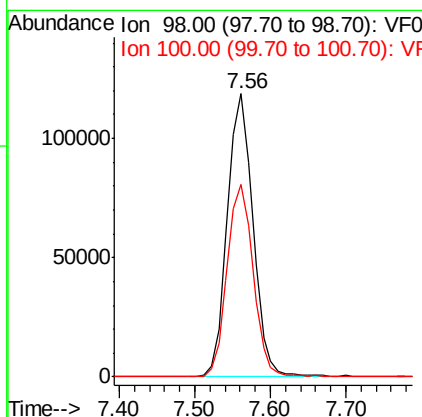
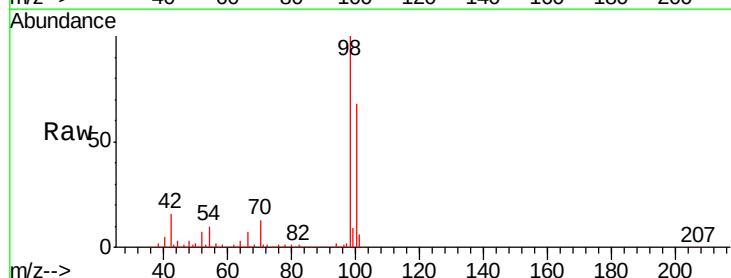
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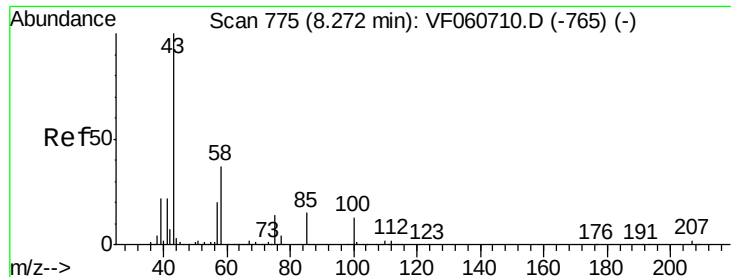
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#50
Toluene-d8
Concen: 57.20 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	279573		
100	68.1	56.5	84.7	





#51

4-Methyl-2-Pentanone

Concen: 328.69 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 43 Resp: 347549

Ion Ratio Lower Upper

43 100

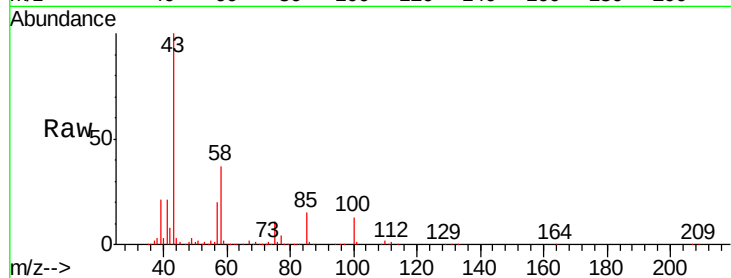
58 36.7 29.2 43.8

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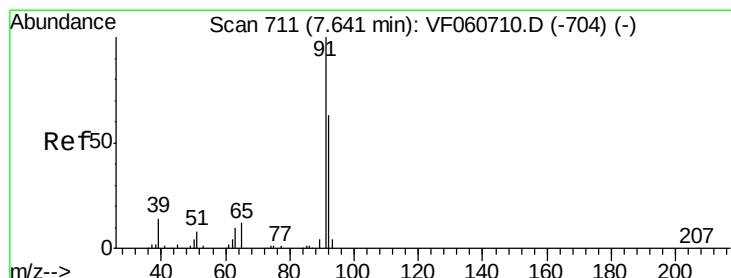
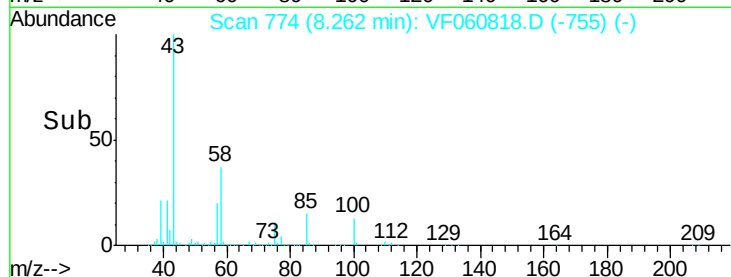
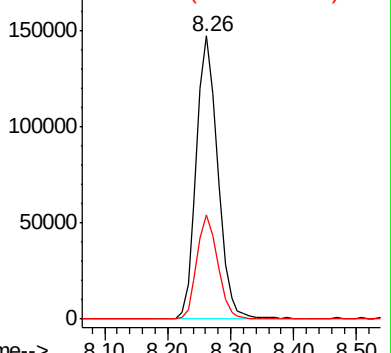
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 56.07 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060818.D

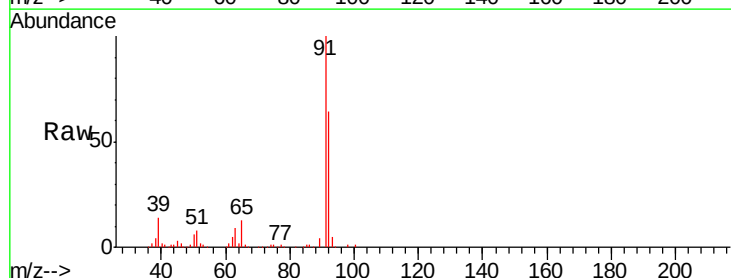
Acq: 20 Nov 2018 22:31

Tgt Ion: 92 Resp: 248403

Ion Ratio Lower Upper

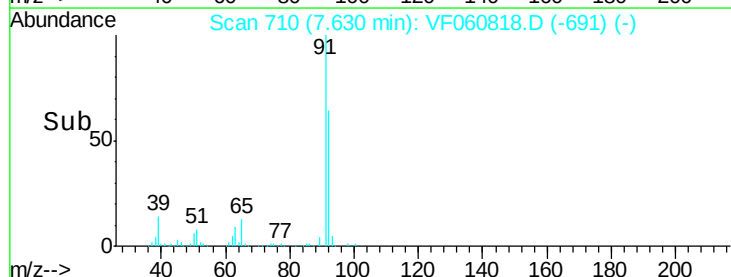
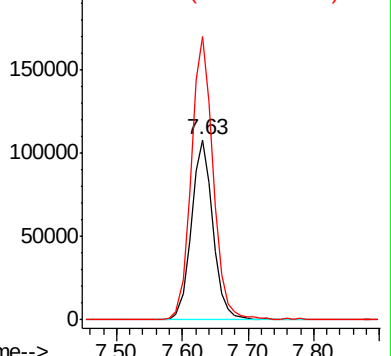
92 100

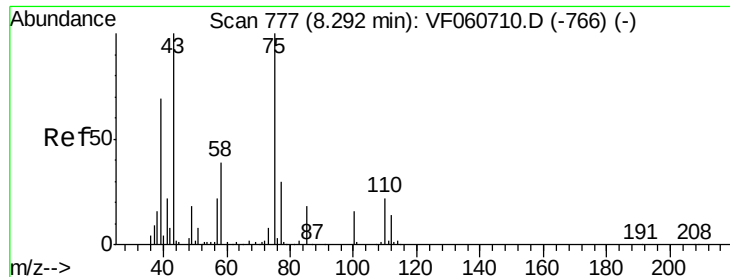
91 157.1 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





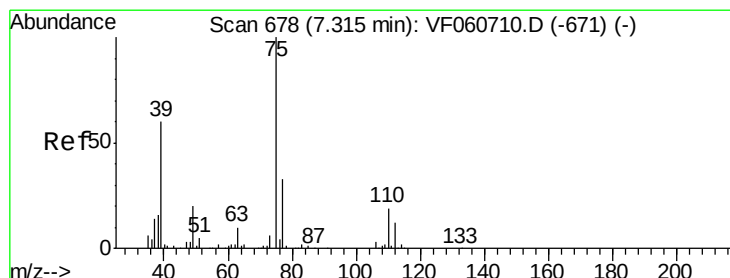
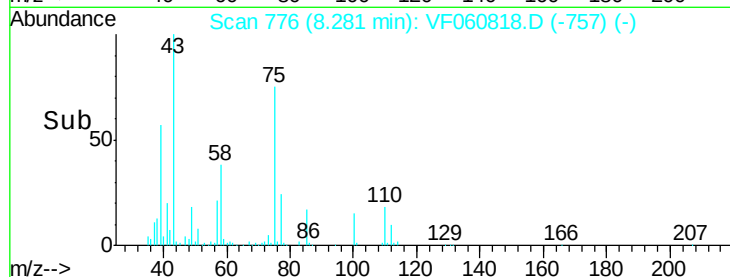
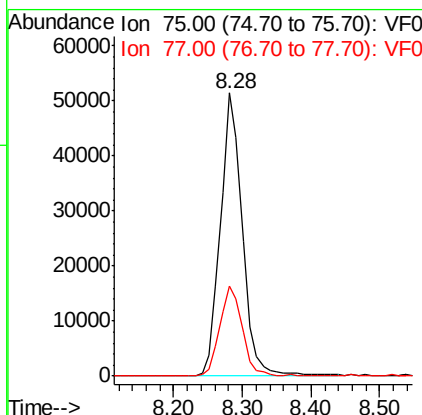
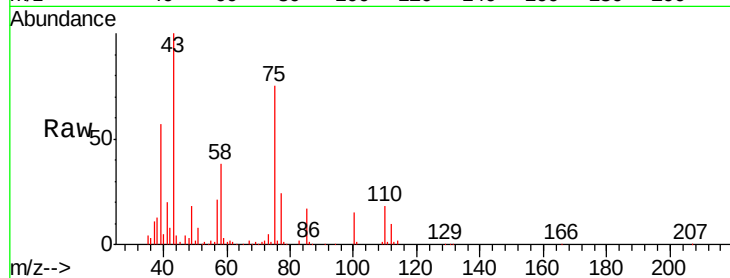
#53
t-1,3-Dichloropropene
Concen: 49.26 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion: 75 Resp: 114412
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8

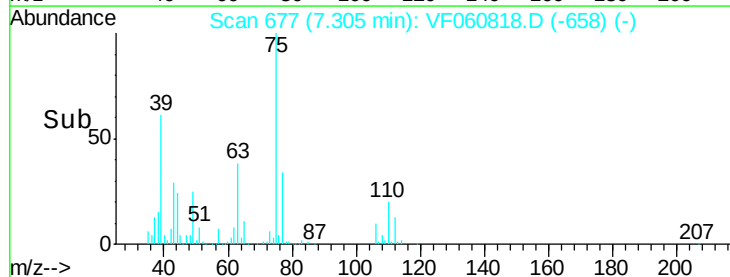
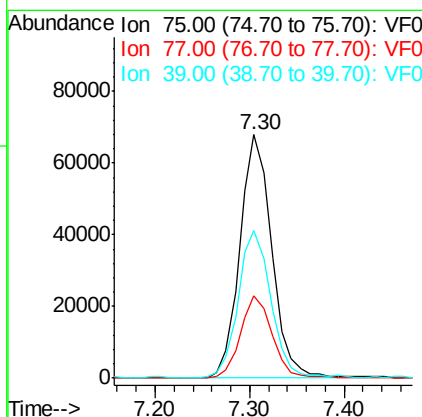
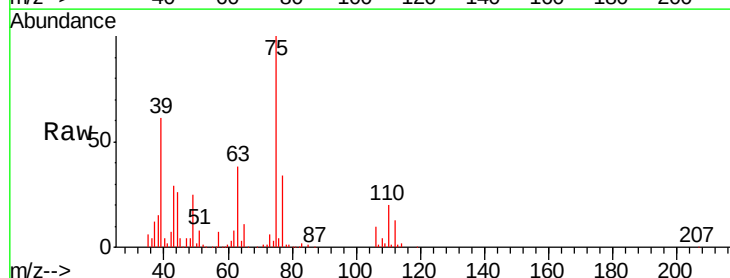
Manual Integrations
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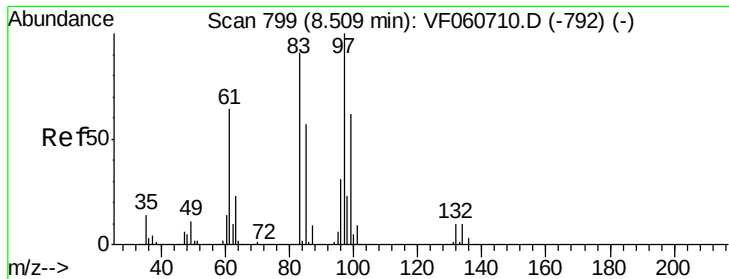
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#54
cis-1,3-Dichloropropene
Concen: 52.58 ug/l
RT: 7.30 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion: 75 Resp: 158631
Ion Ratio Lower Upper
75 100
77 33.6 26.5 39.7
39 60.7 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 58.68 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

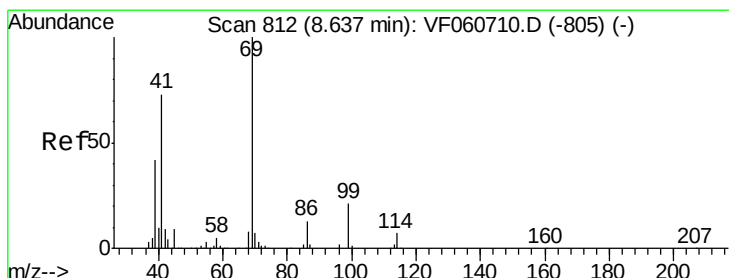
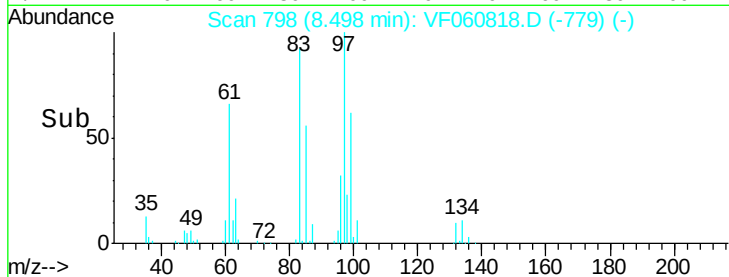
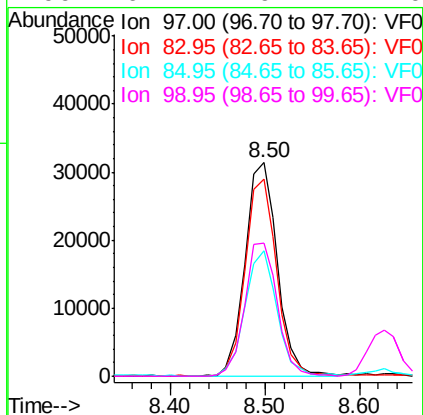
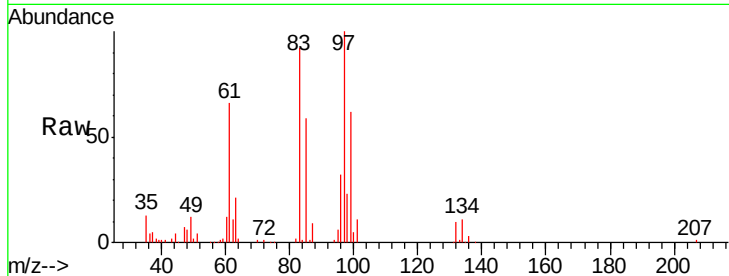
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	97	Resp:	74286
Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.8	109.2
85	59.0	45.8	68.6
99	62.1	49.4	74.0

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#56

Ethyl methacrylate

Concen: 57.33 ug/l

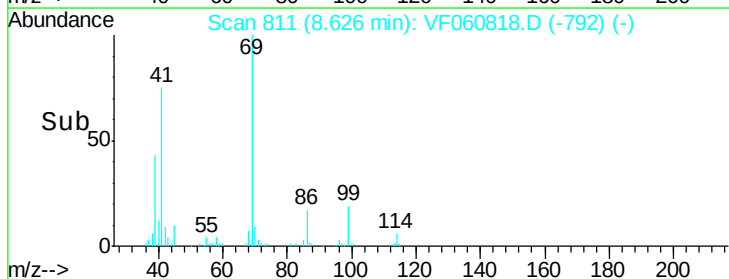
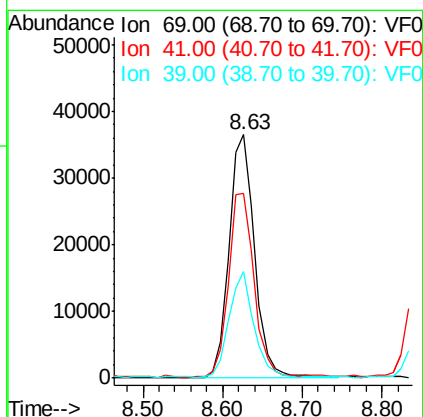
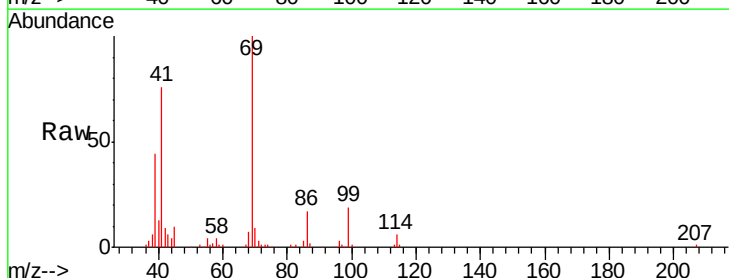
RT: 8.63 min Scan# 811

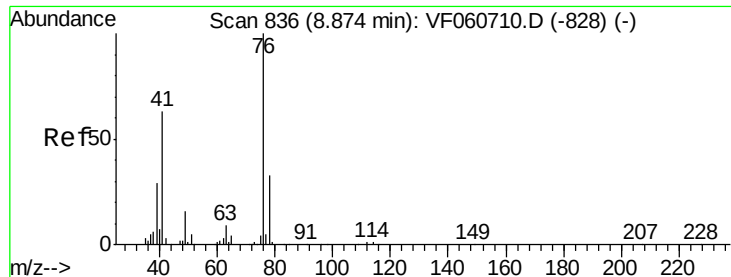
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	69	Resp:	82419
Ion	Ratio	Lower	Upper
69	100		
41	76.0	59.0	88.6
39	43.7	34.0	51.0





#57

1,3-Dichloropropane

Concen: 59.61 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 76 Resp: 130783

Ion Ratio Lower Upper

76 100

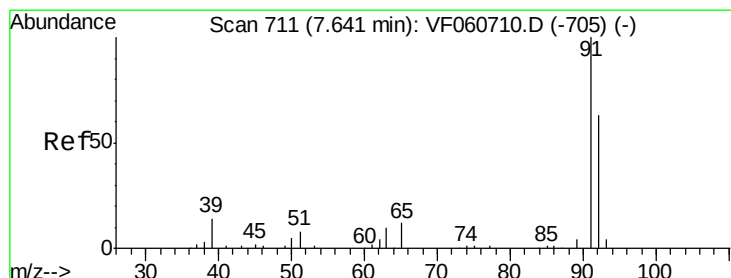
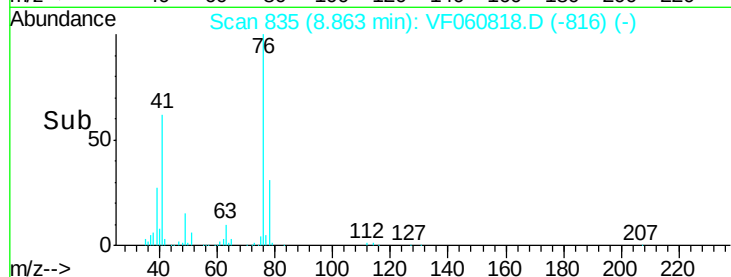
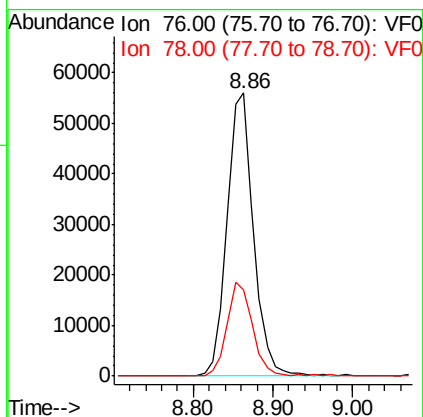
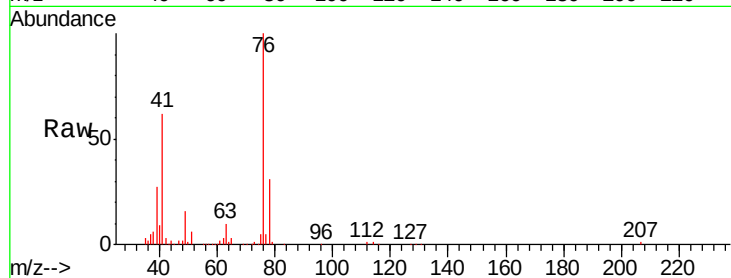
78 30.7 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 277.55 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060818.D

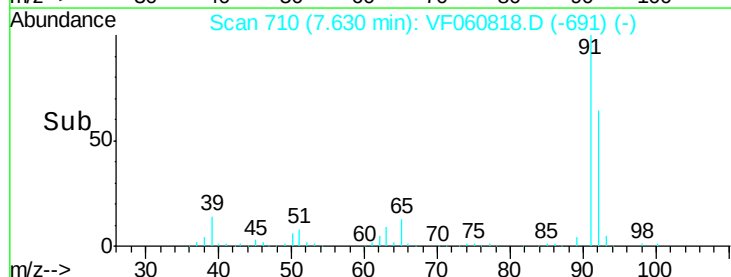
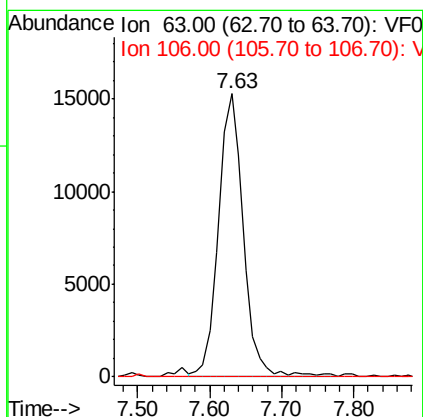
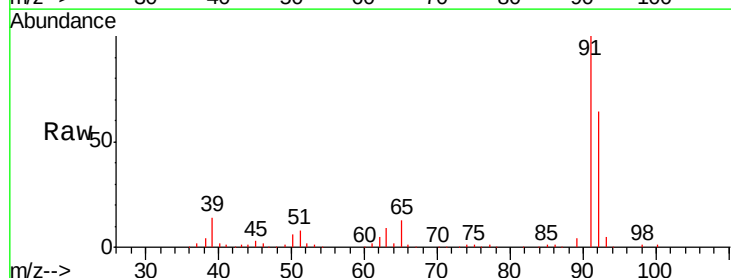
Acq: 20 Nov 2018 22:31

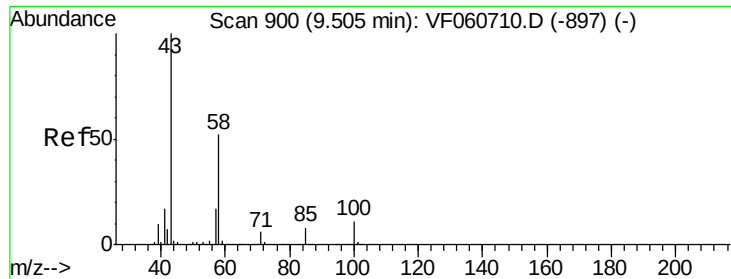
Tgt Ion: 63 Resp: 36450

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





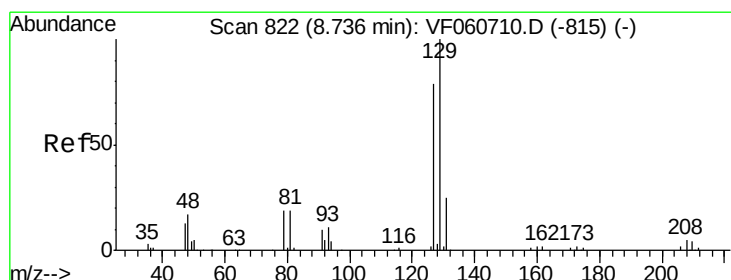
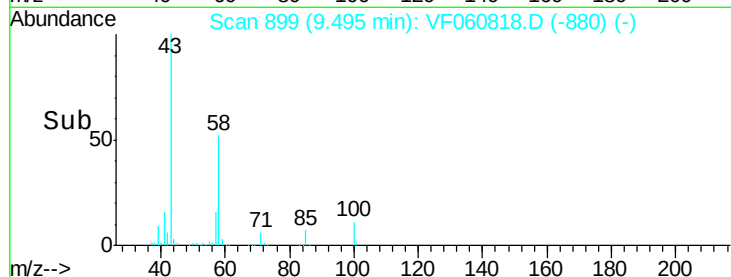
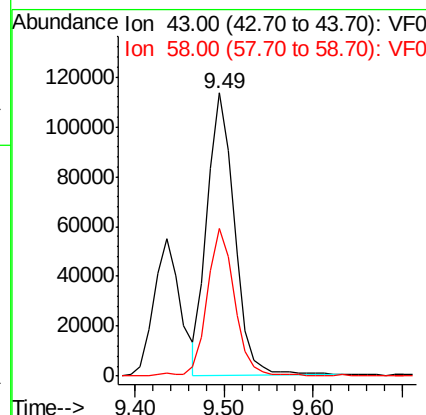
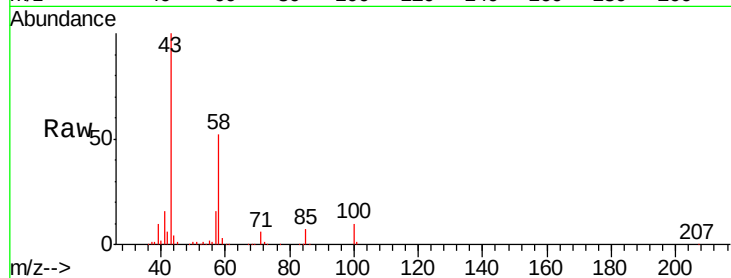
#59
2-Hexanone
Concen: 321.98 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion: 43 Resp: 239262
Ion Ratio Lower Upper
43 100
58 52.2 24.9 74.7

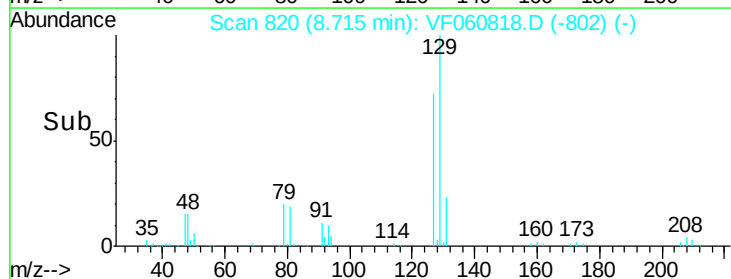
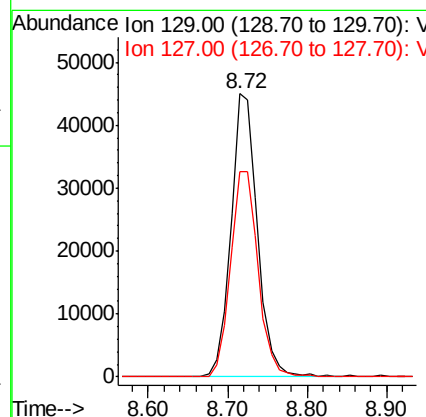
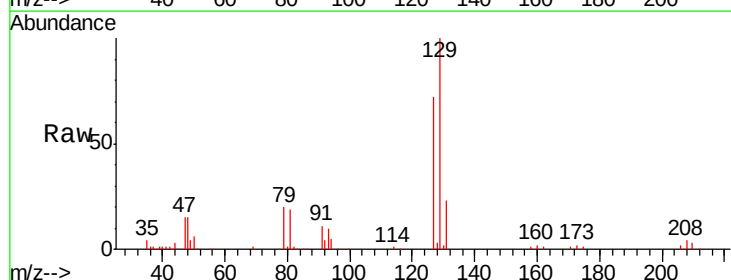
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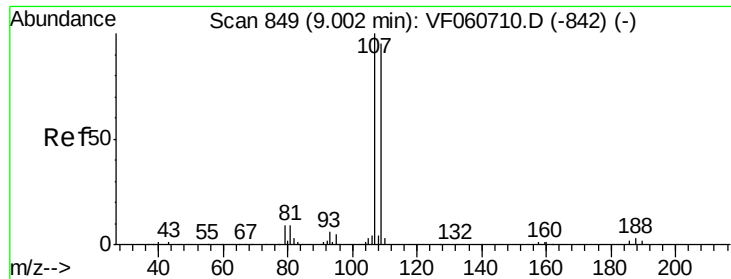
apatel
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#60
Dibromochloromethane
Concen: 58.22 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.02 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion: 129 Resp: 105035
Ion Ratio Lower Upper
129 100
127 72.5 39.7 119.1





#61

1,2-Dibromoethane

Concen: 56.80 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 107 Resp: 75624

Ion Ratio Lower Upper

107 100

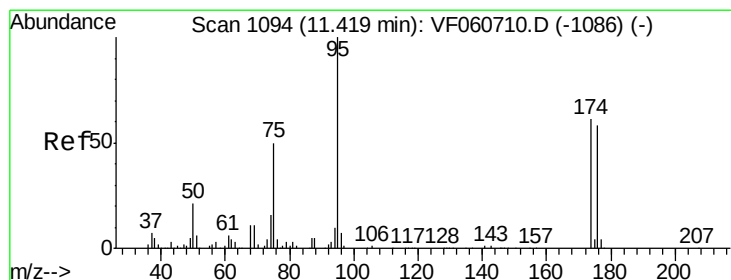
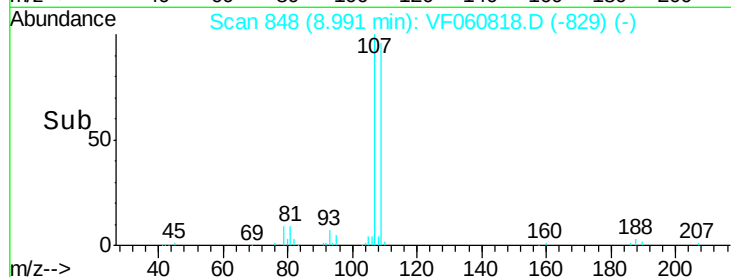
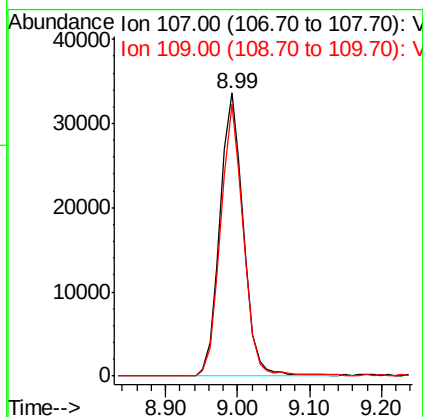
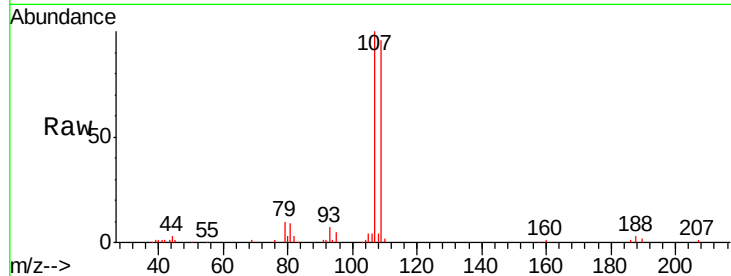
109 96.0 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 47.72 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

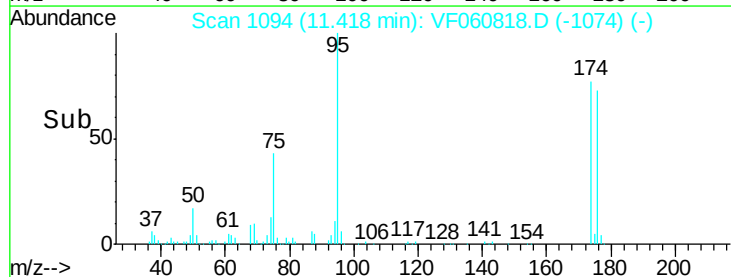
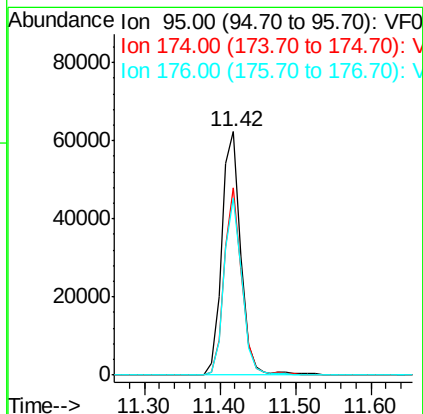
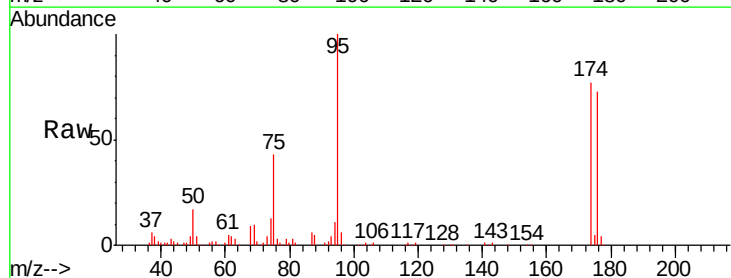
Tgt Ion: 95 Resp: 108984

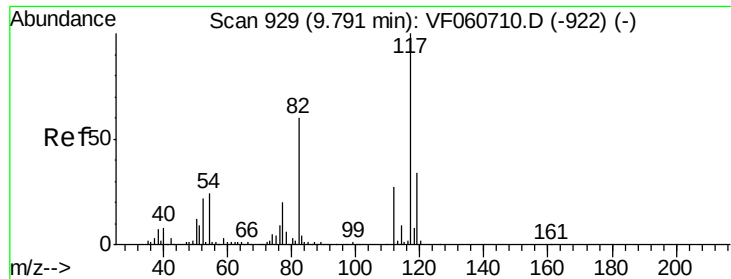
Ion Ratio Lower Upper

95 100

174 77.0 0.0 121.6

176 72.6 0.0 115.2





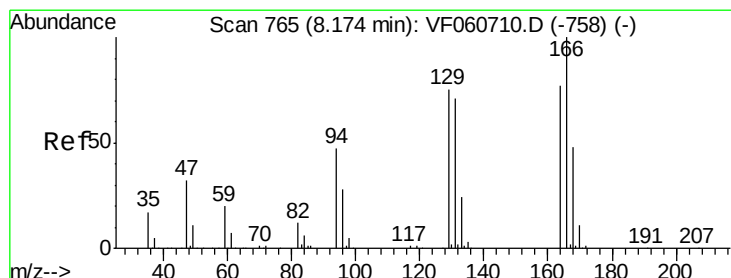
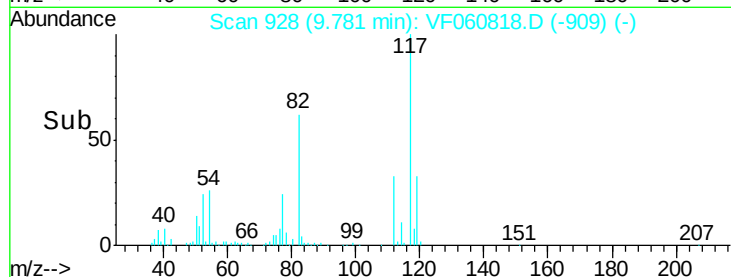
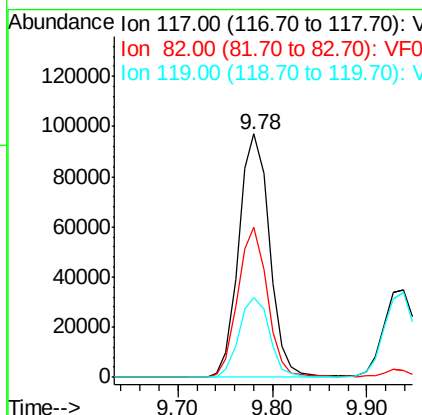
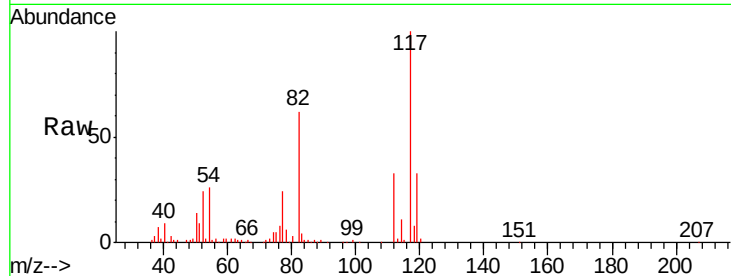
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	219758		
82	61.5	47.9	71.9	
119	32.9	26.8	40.2	

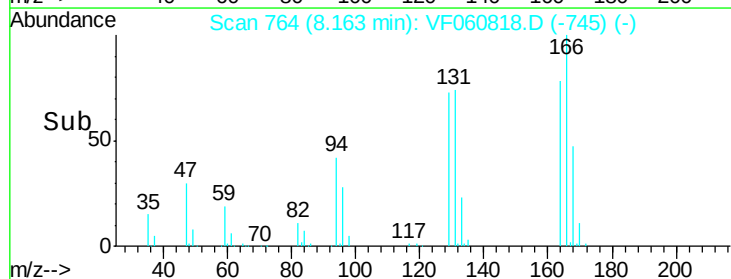
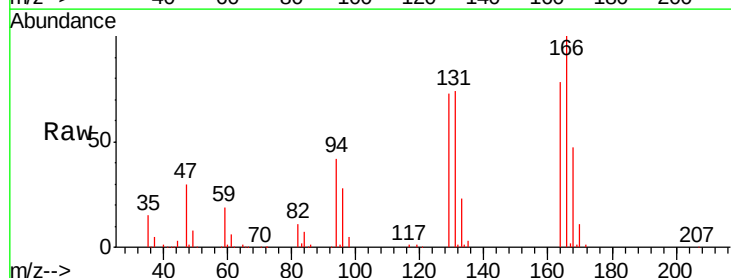
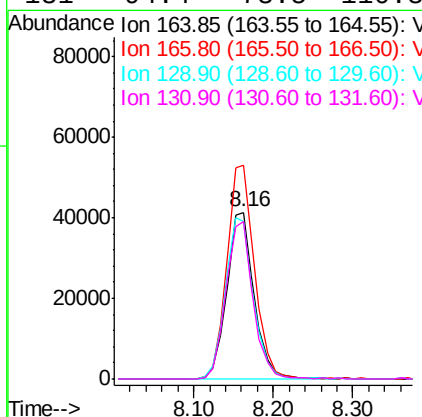
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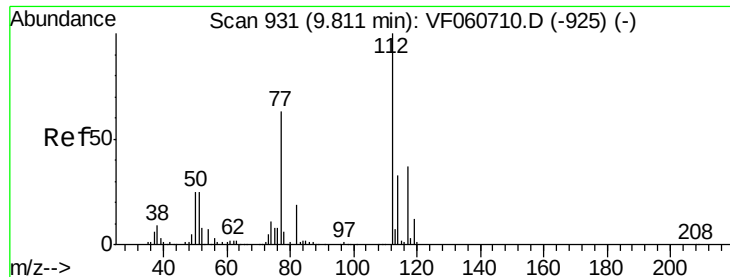
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#64
Tetrachloroethene
Concen: 56.85 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98925		
166	128.0	103.5	155.3	
129	94.0	77.4	116.2	
131	94.4	73.5	110.3	





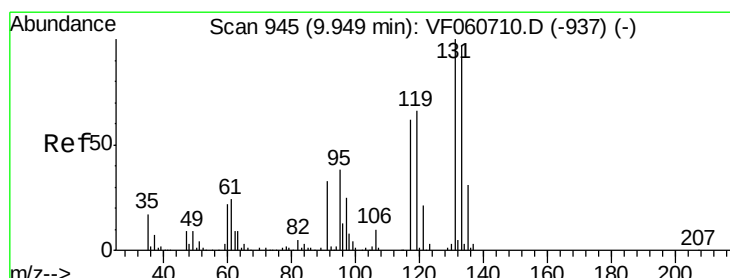
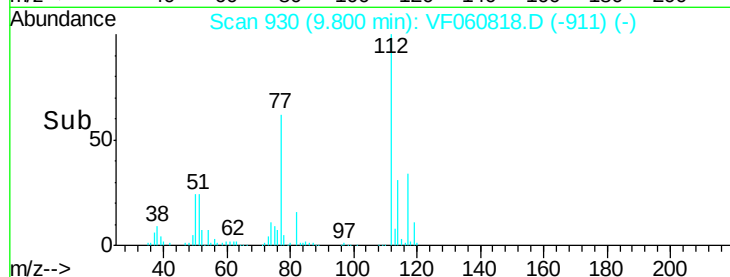
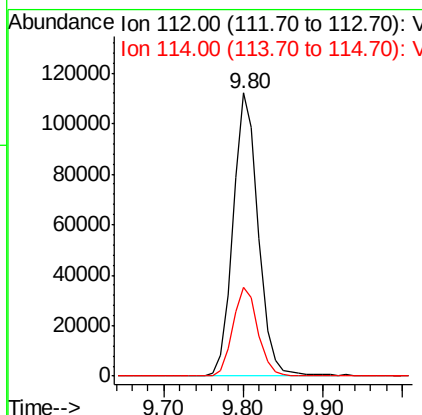
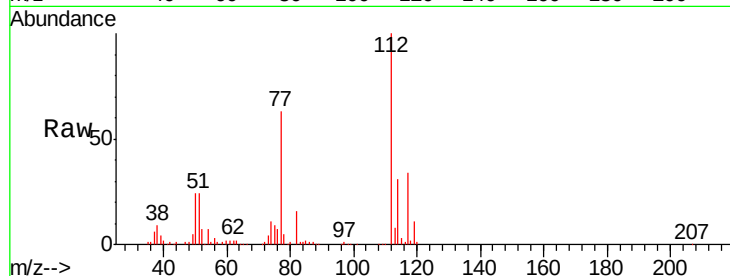
#65
Chlorobenzene
Concen: 55.90 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.1	39.1

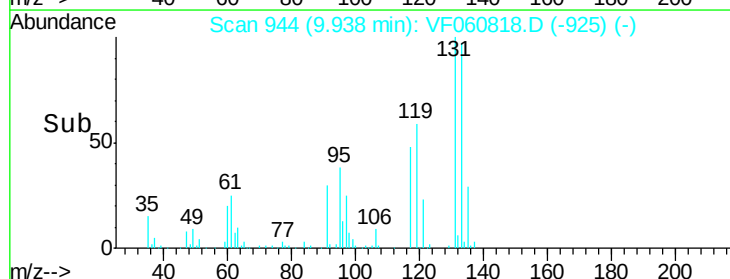
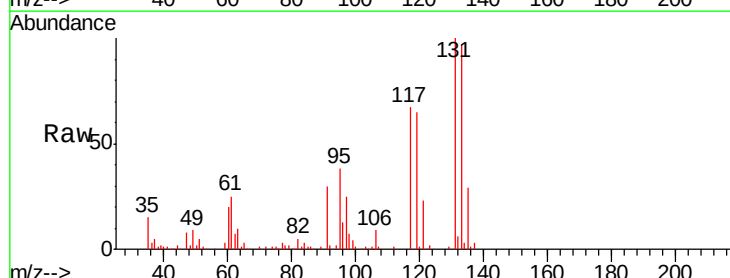
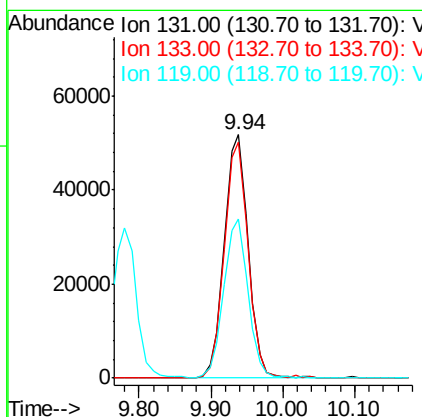
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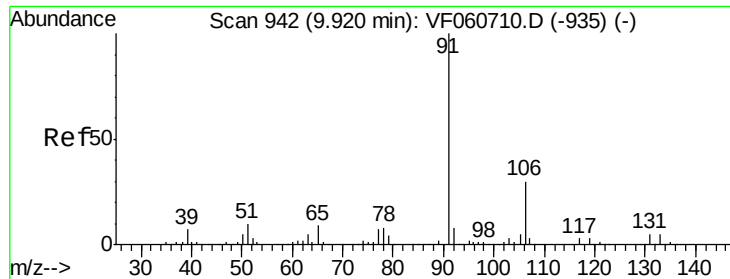
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#66
1,1,1,2-Tetrachloroethane
Concen: 61.81 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.3	144.8
119	65.3	33.2	99.6





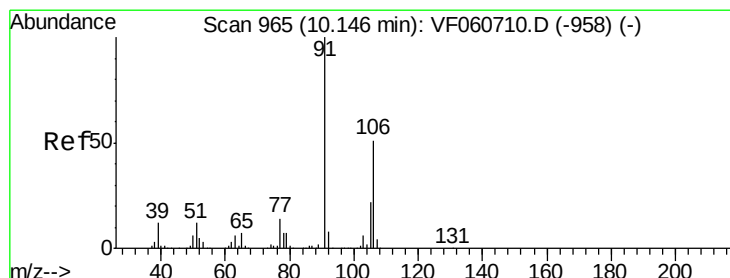
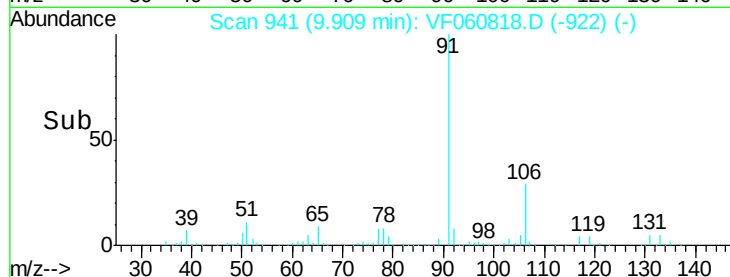
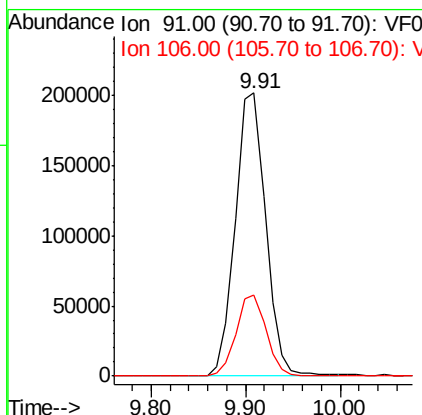
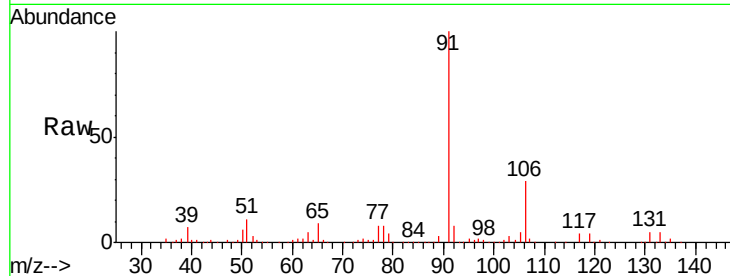
#67
Ethyl Benzene
Concen: 54.05 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion: 91 Resp: 451766
Ion Ratio Lower Upper
91 100
106 28.8 23.9 35.9

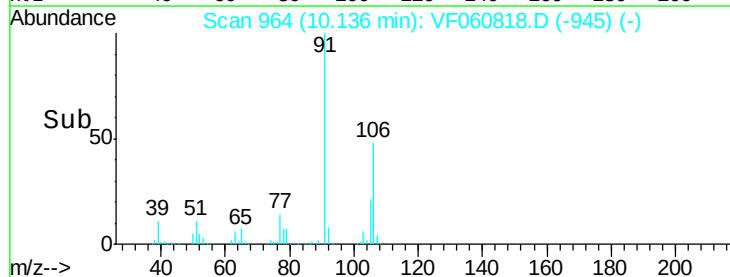
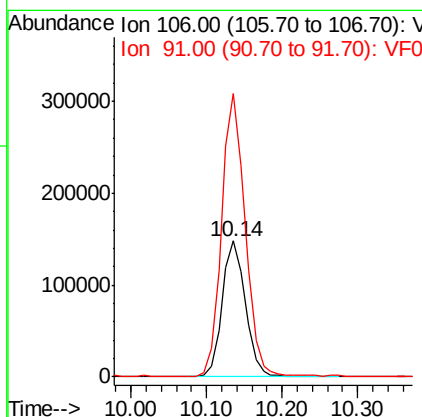
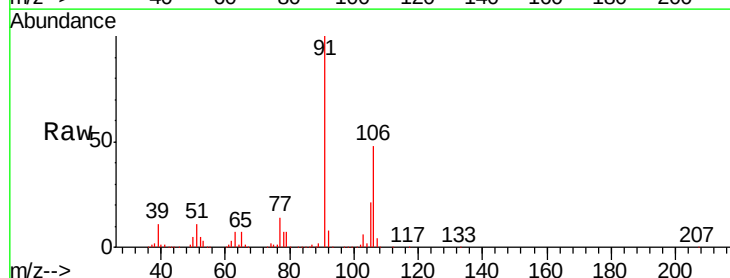
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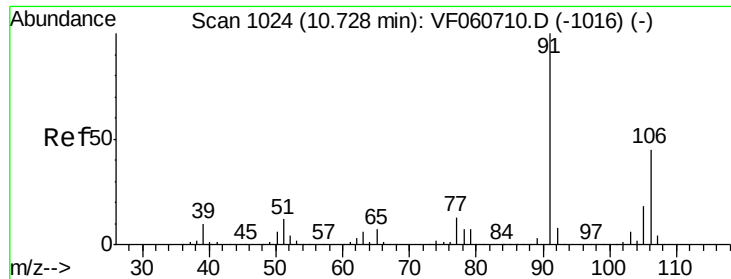
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#68
m/p-Xylenes
Concen: 105.82 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion: 106 Resp: 316108
Ion Ratio Lower Upper
106 100
91 208.2 158.2 237.2





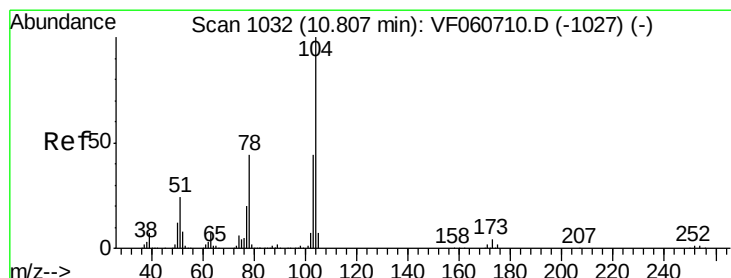
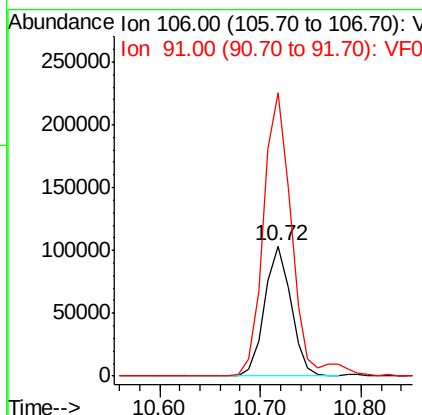
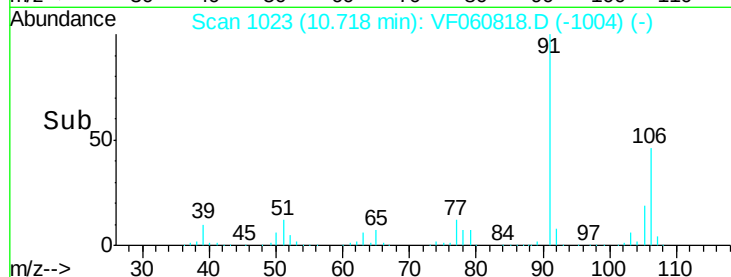
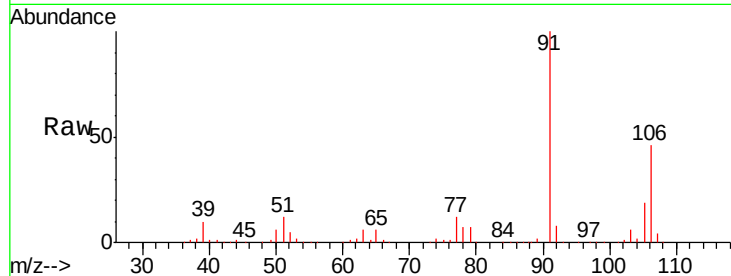
#69
o-Xylene
Concen: 56.29 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion:106 Resp: 189046
Ion Ratio Lower Upper
106 100
91 217.9 110.3 330.9

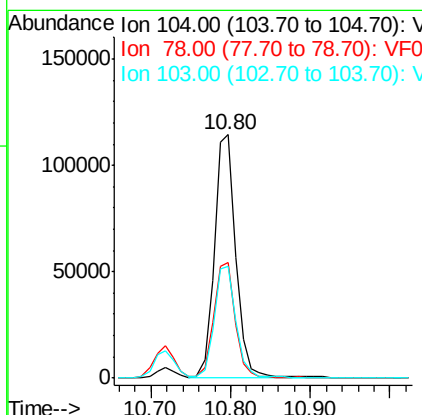
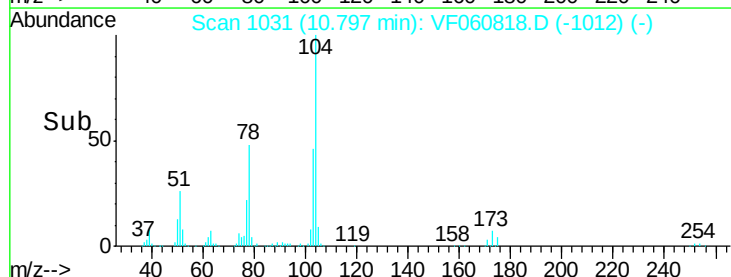
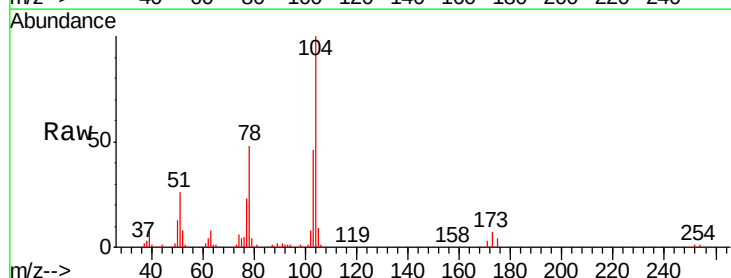
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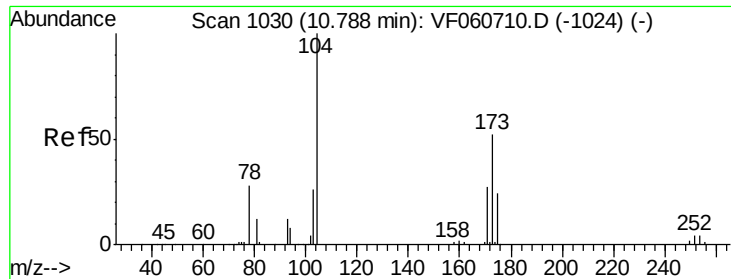
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#70
Styrene
Concen: 47.75 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion:104 Resp: 217620
Ion Ratio Lower Upper
104 100
78 47.7 35.4 53.2
103 46.1 35.8 53.6





#71

Bromoform

Concen: 61.21 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

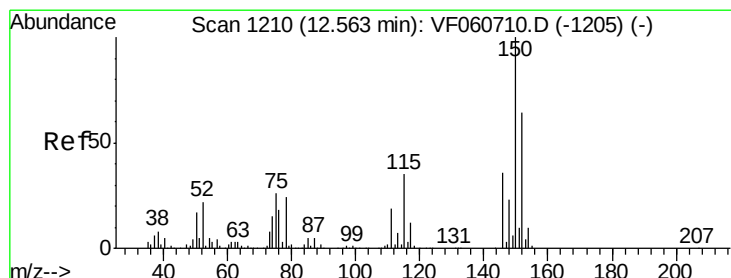
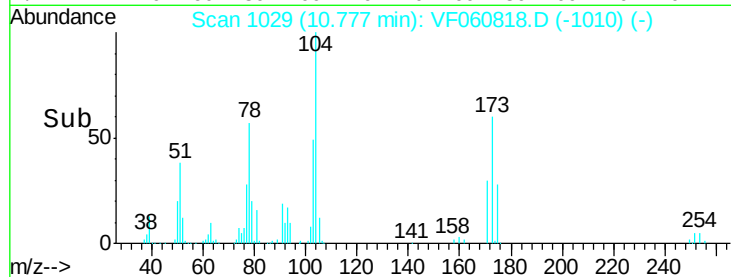
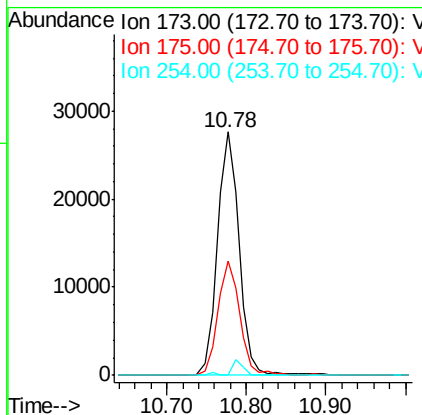
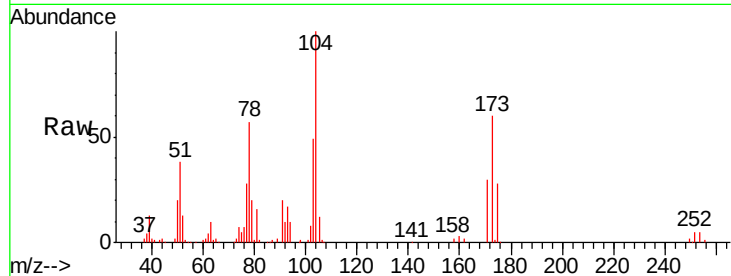
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.4	70.0
254	0.0	5.8	8.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

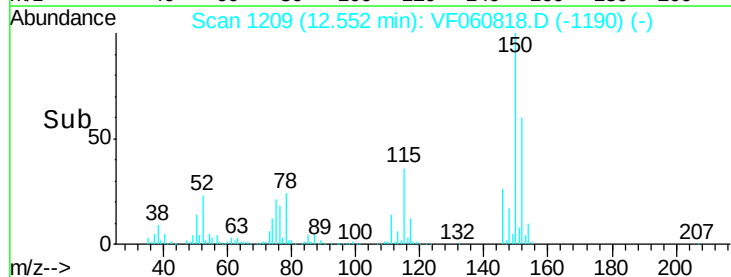
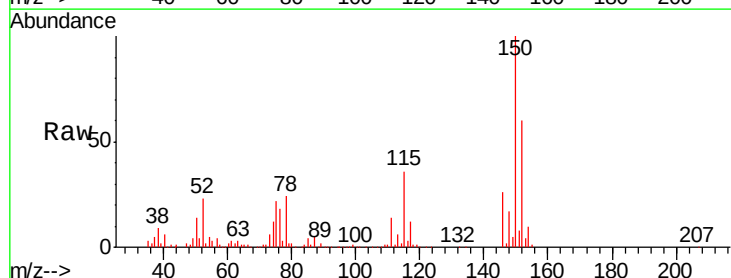
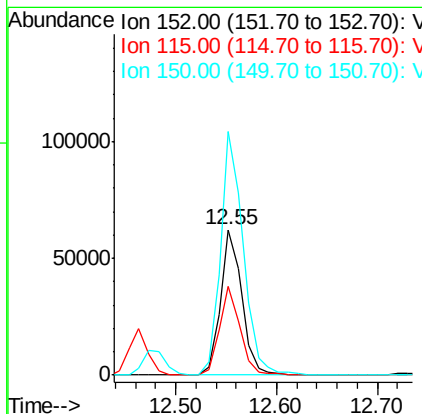
RT: 12.55 min Scan# 1209

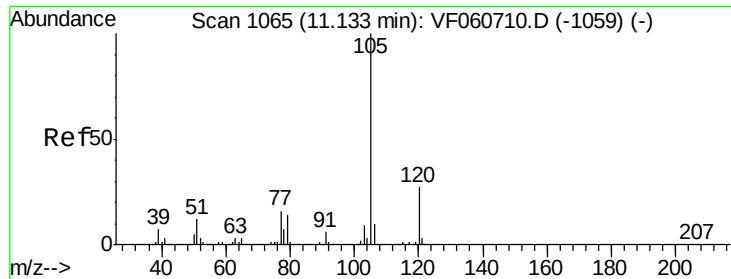
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	27.9	83.7
150	167.6	0.0	316.4





#73

Isopropylbenzene

Concen: 69.91 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion: 105 Resp: 520018

Ion Ratio Lower Upper

105 100

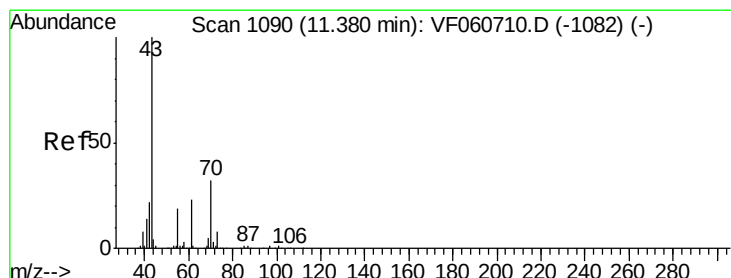
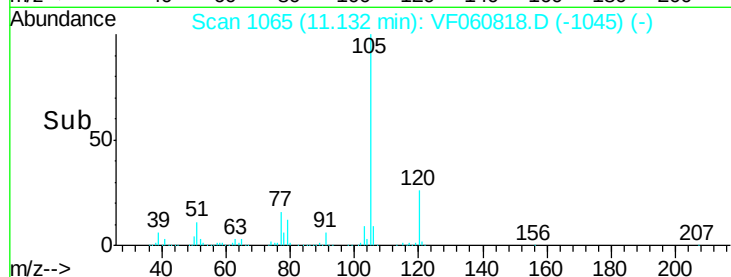
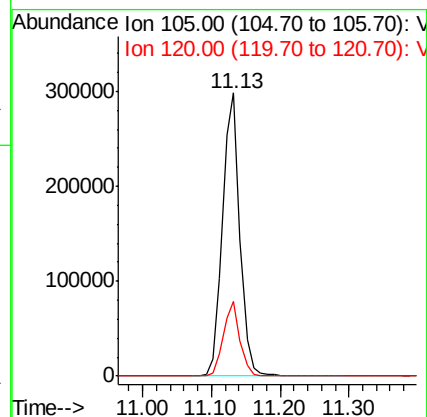
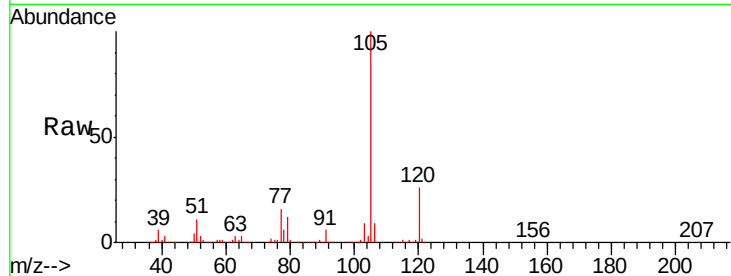
120 26.2 13.4 40.1

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#74

N-ethyl acetate

Concen: 84.47 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion: 43 Resp: 143044

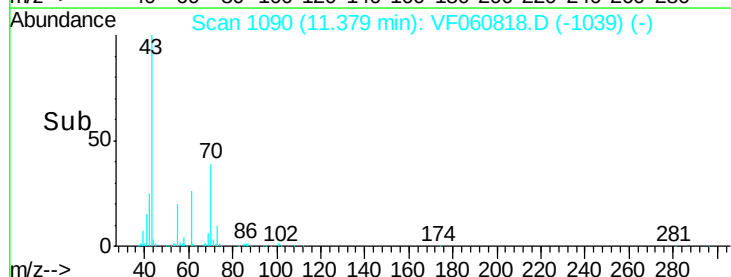
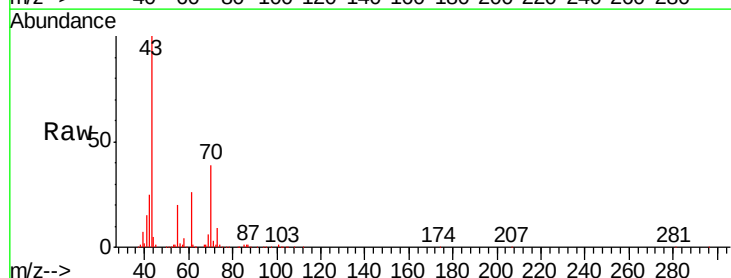
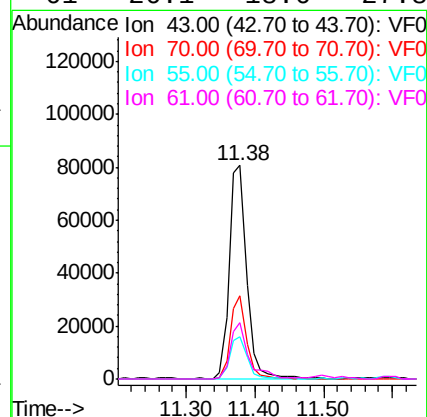
Ion Ratio Lower Upper

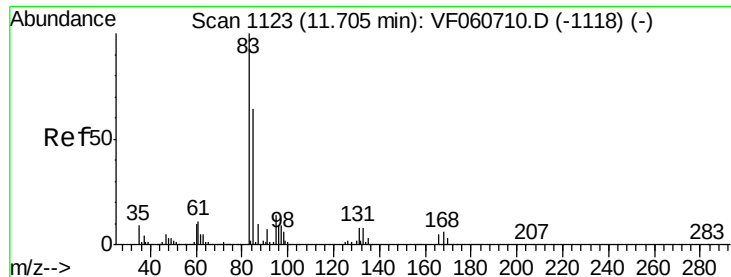
43 100

70 38.9 25.5 38.3#

55 20.0 14.9 22.3

61 26.1 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 83.25 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

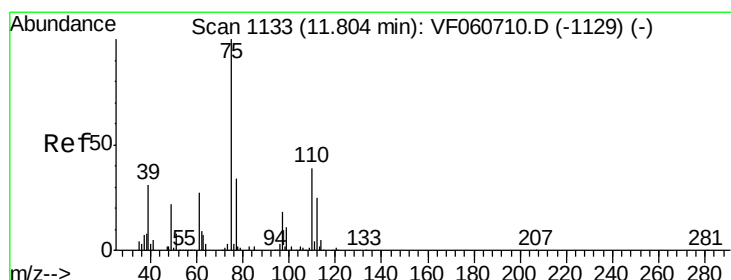
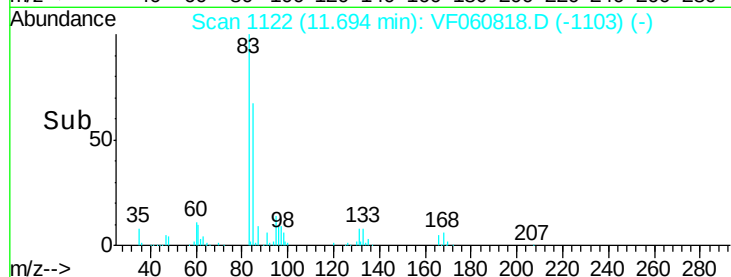
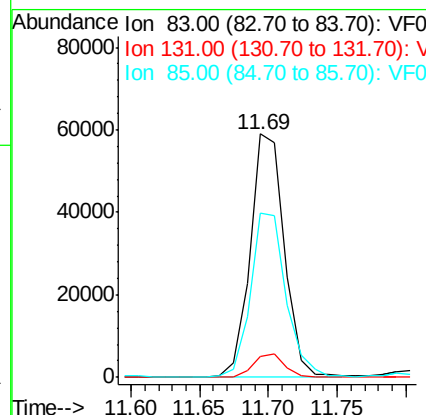
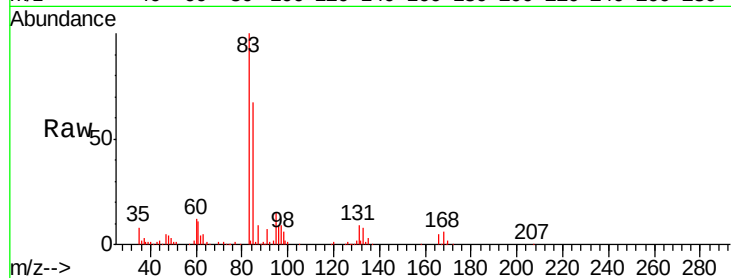
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	83	Resp:	102381
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.2	12.4
85	67.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 78.44 ug/l

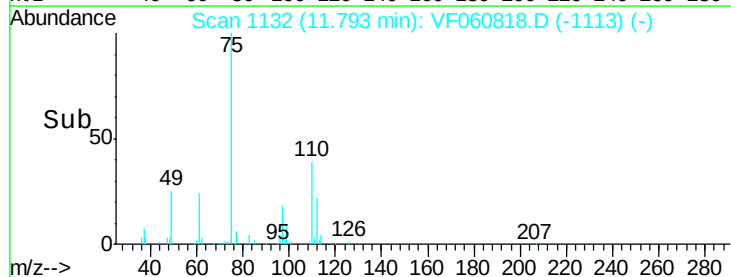
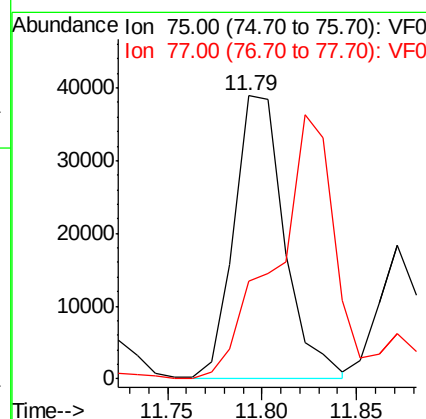
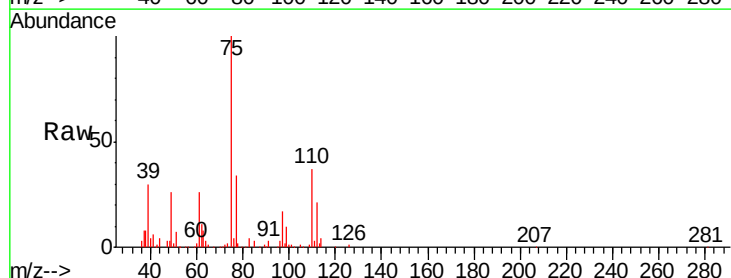
RT: 11.79 min Scan# 1132

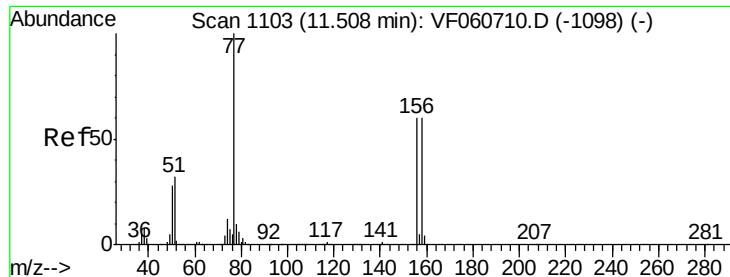
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	75	Resp:	71646
Ion Ratio	Lower	Upper	
75	100		
77	34.4	17.0	51.0





#77

Bromobenzene

Concen: 66.21 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

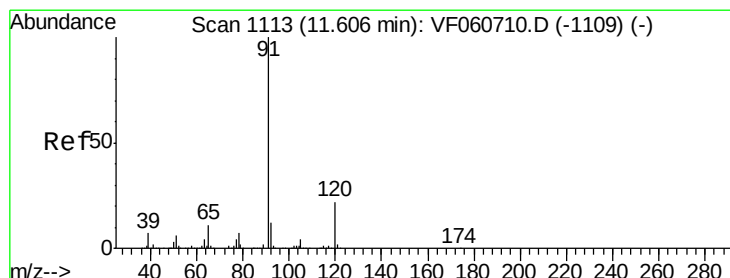
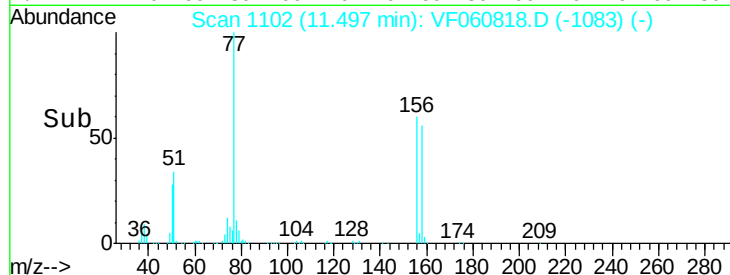
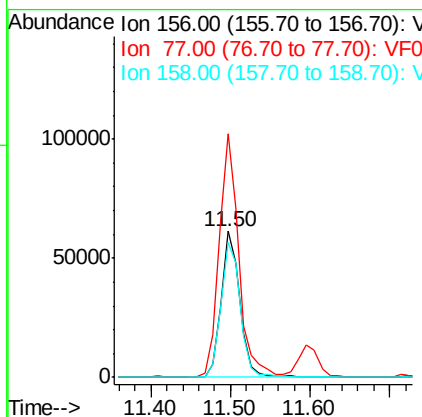
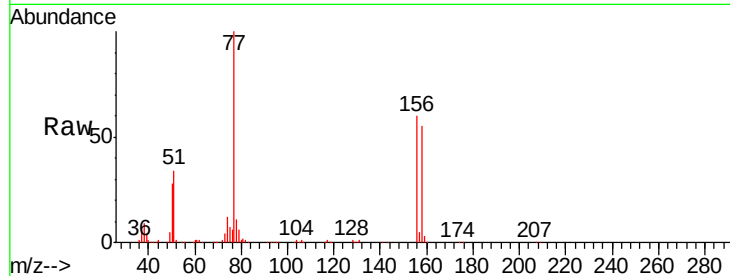
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion	Ratio	Lower	Upper
156	100		
77	166.7	83.0	248.9
158	92.4	49.6	149.0

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#78

n-propylbenzene

Concen: 60.41 ug/l

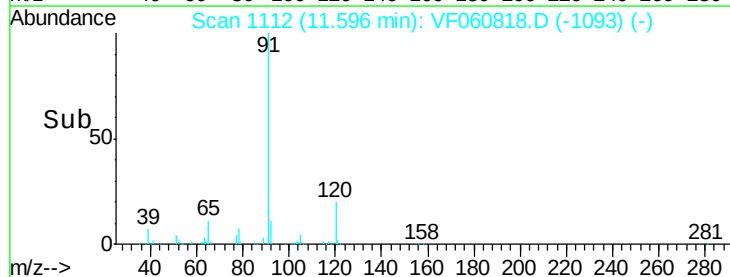
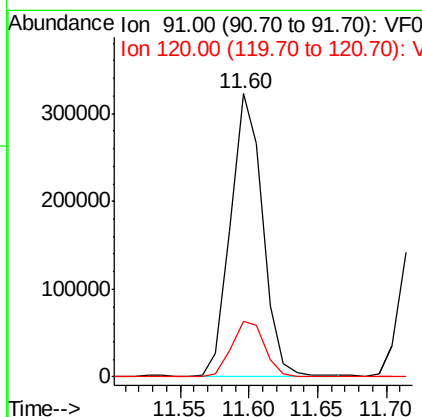
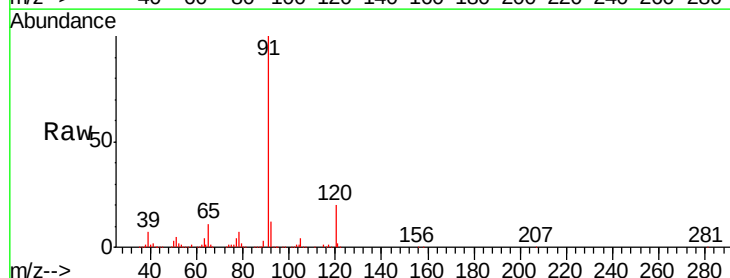
RT: 11.60 min Scan# 1112

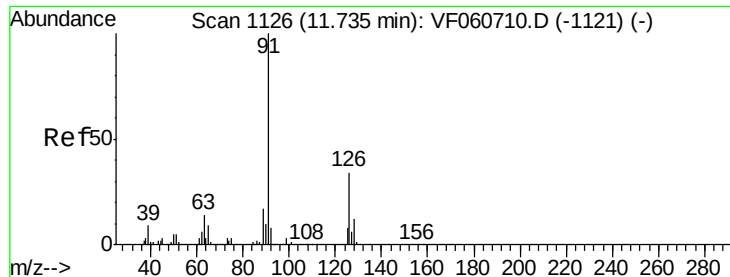
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.7	11.2	33.5





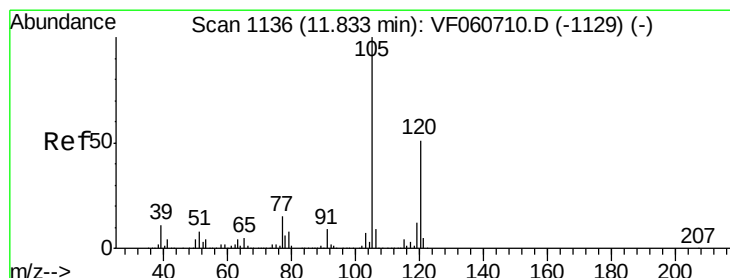
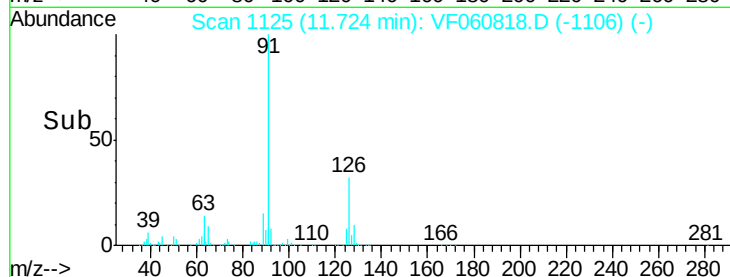
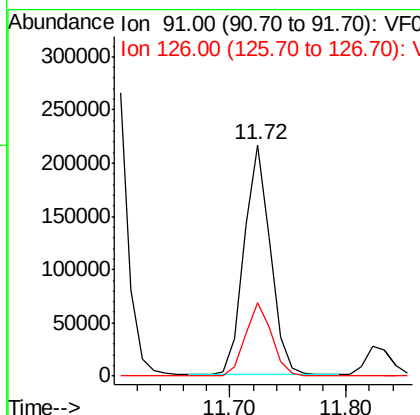
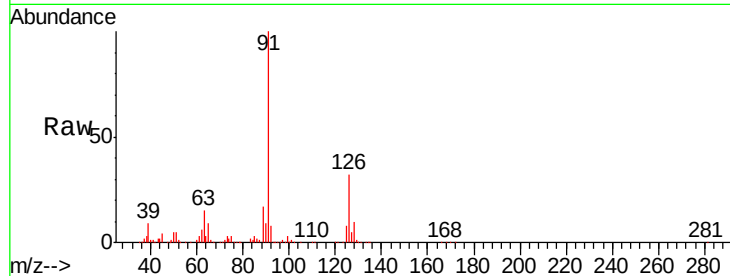
#79
 2-Chlorotoluene
 Concen: 66.43 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Tgt Ion: 91 Resp: 334966
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.8 50.4

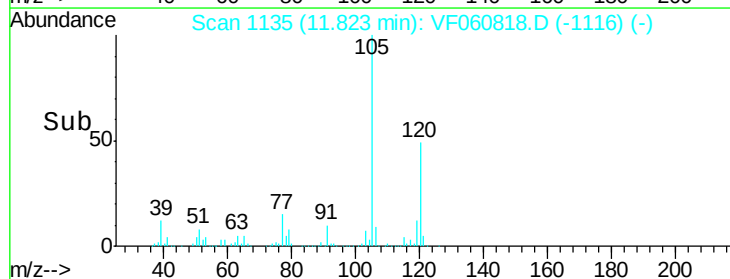
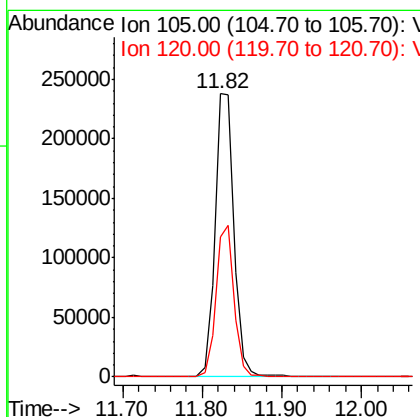
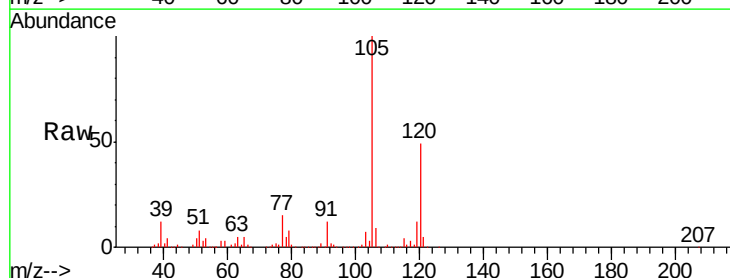
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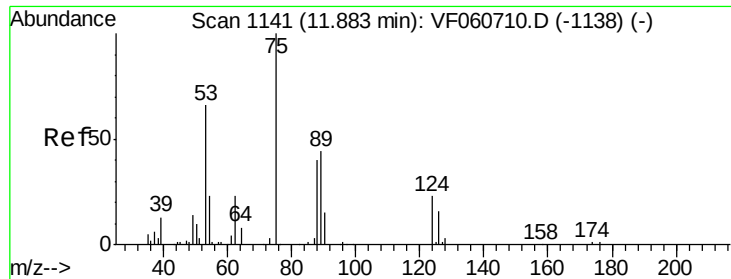
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#80
 1,3,5-Trimethylbenzene
 Concen: 67.91 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion: 105 Resp: 401032
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 64.35 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

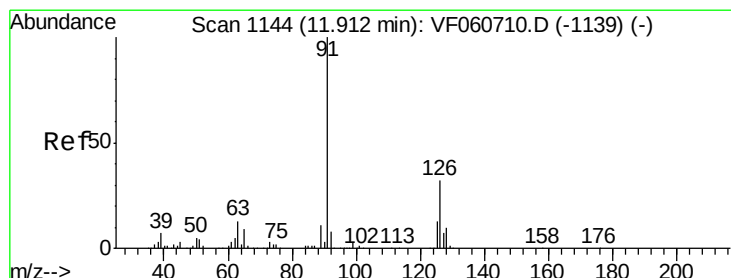
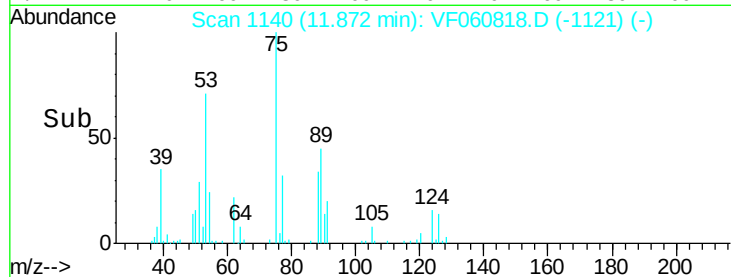
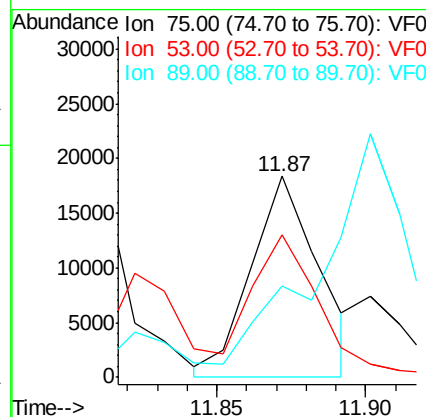
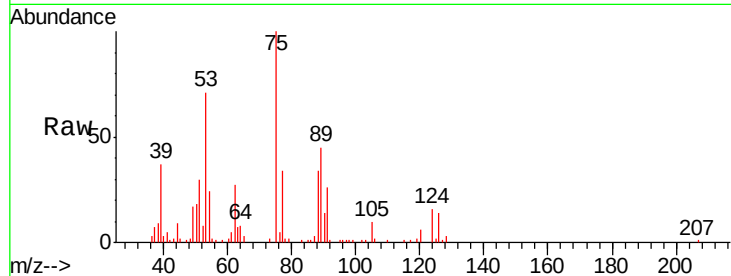
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	75	Resp:	28873
Ion	Ratio	Lower	Upper
75	100		
53	71.1	57.0	85.4
89	45.5	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 58.54 ug/l

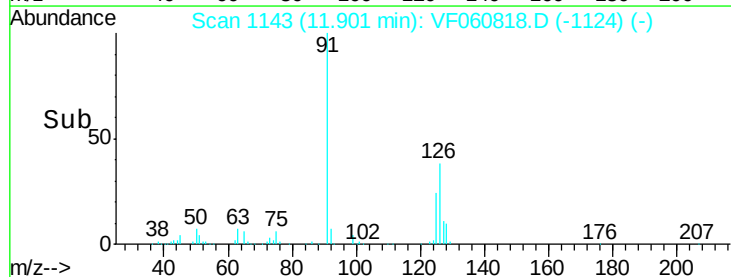
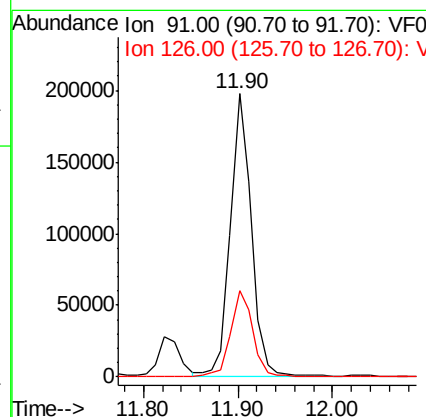
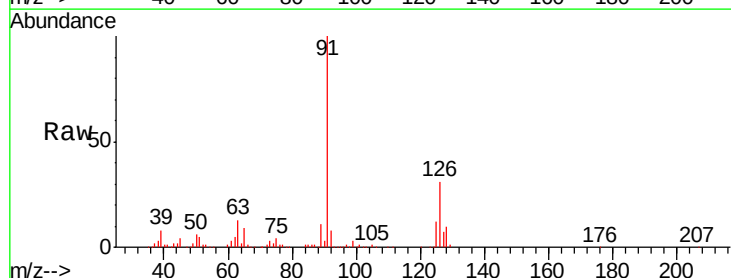
RT: 11.90 min Scan# 1143

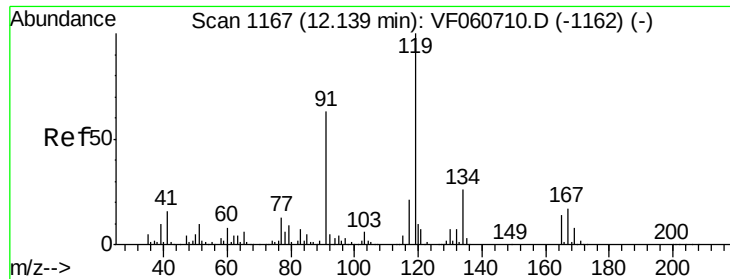
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	91	Resp:	302398
Ion	Ratio	Lower	Upper
91	100		
126	30.6	16.0	47.9





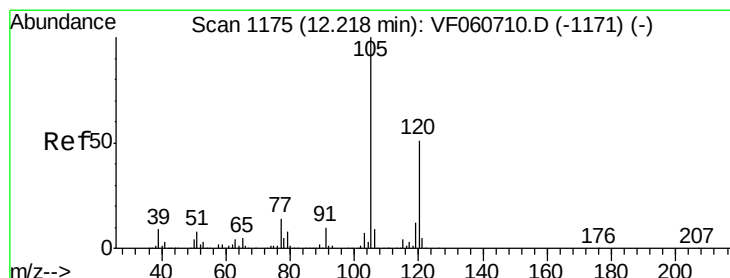
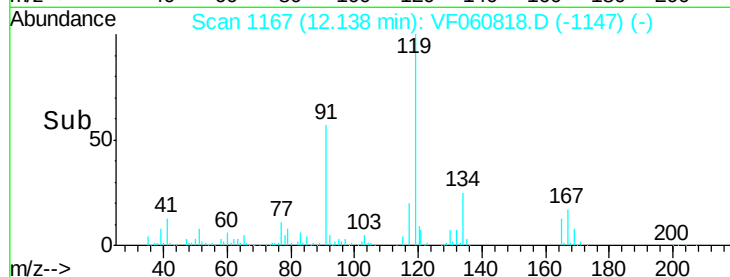
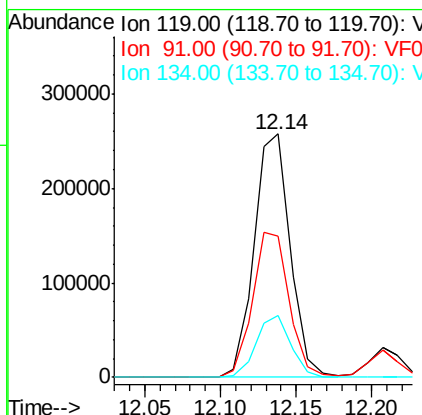
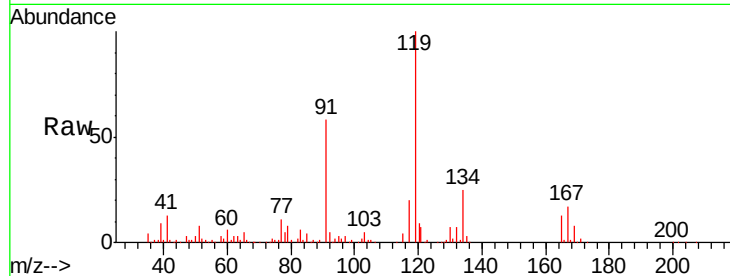
#83
 tert-Butylbenzene
 Concen: 68.60 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.9	31.4	94.3
134	25.4	12.8	38.4

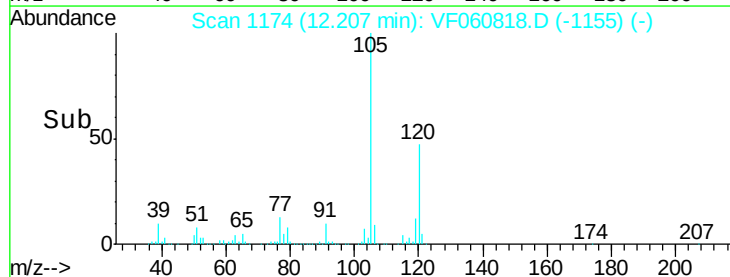
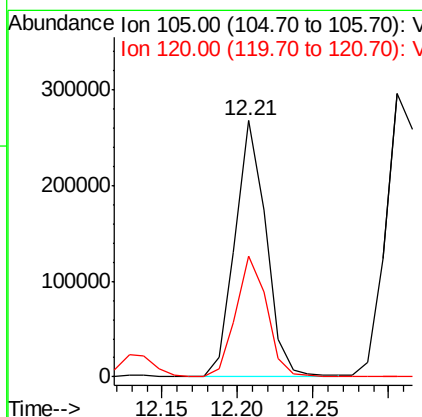
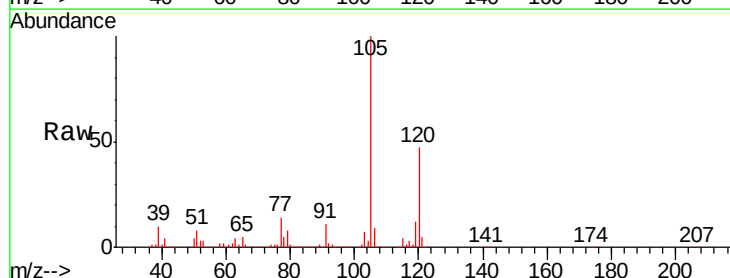
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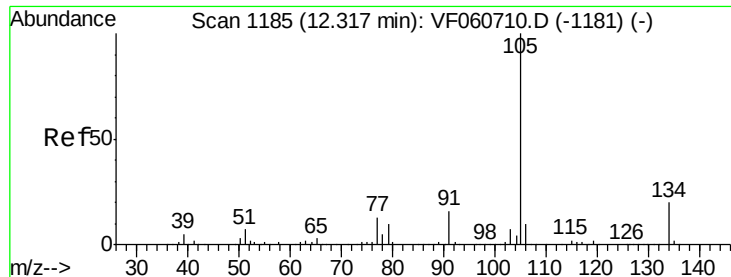
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#84
 1,2,4-Trimethylbenzene
 Concen: 62.63 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	25.5	76.5





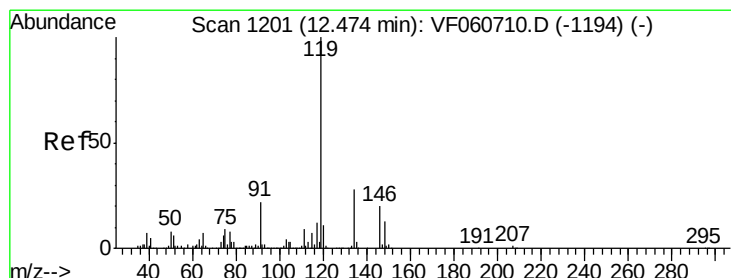
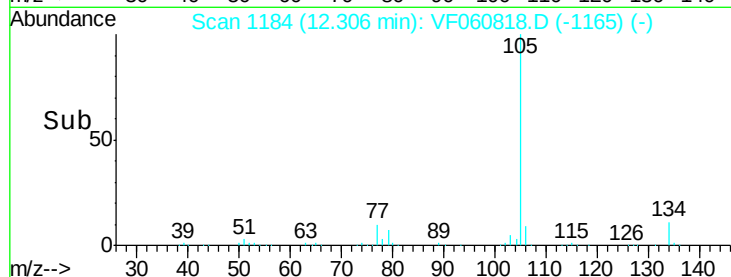
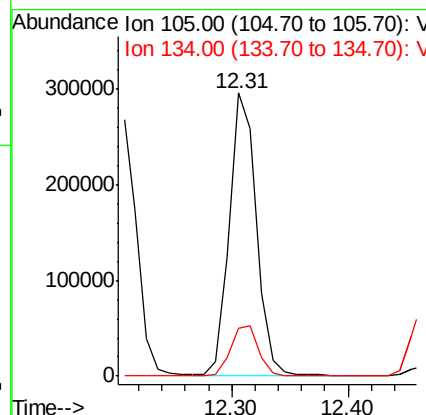
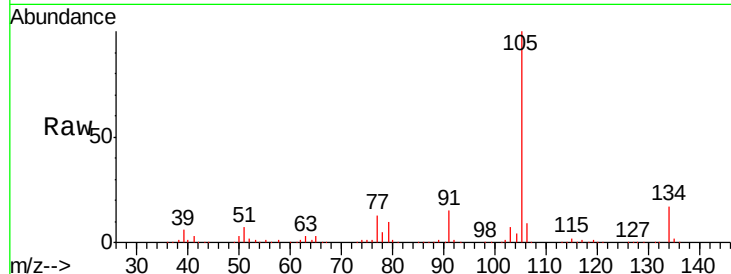
#85
 sec-Butylbenzene
 Concen: 55.77 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Tgt Ion:105 Resp: 474324
 Ion Ratio Lower Upper
 105 100
 134 17.1 10.1 30.3

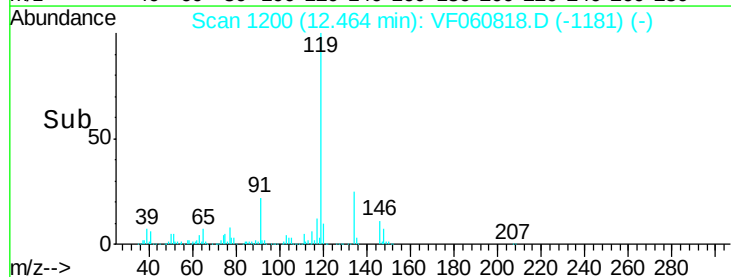
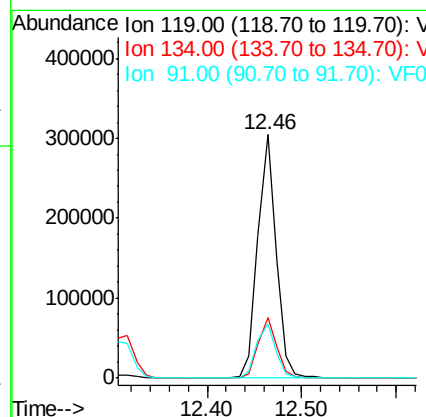
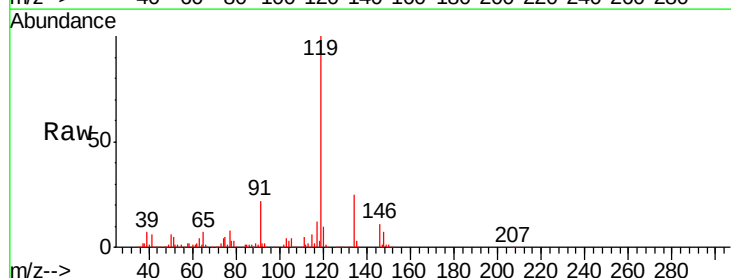
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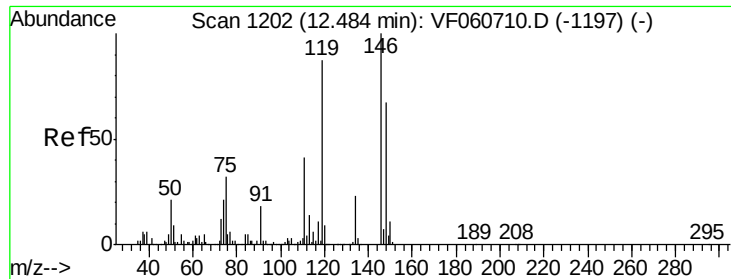
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#86
 p-Isopropyltoluene
 Concen: 58.42 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion:119 Resp: 414998
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.9 41.7
 91 22.5 11.3 33.9





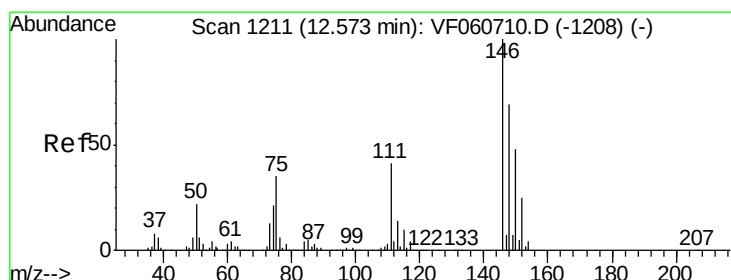
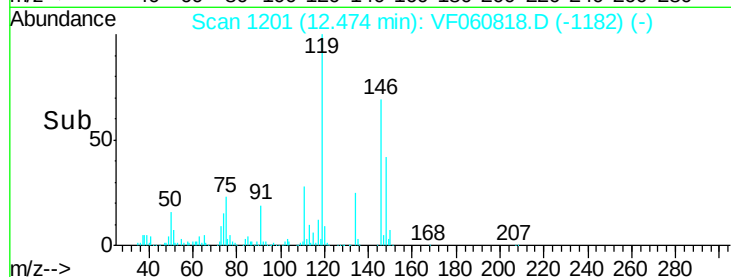
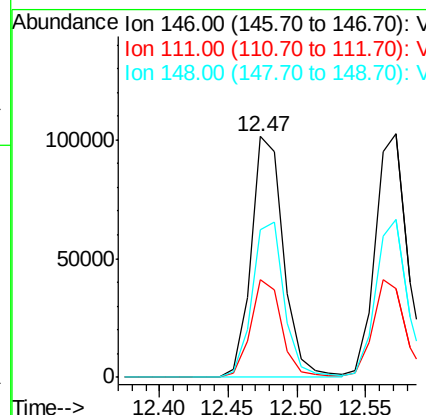
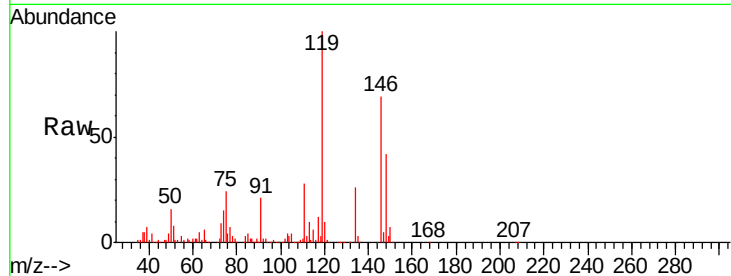
#87
 1,3-Dichlorobenzene
 Concen: 54.16 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	61.4	33.3	99.9

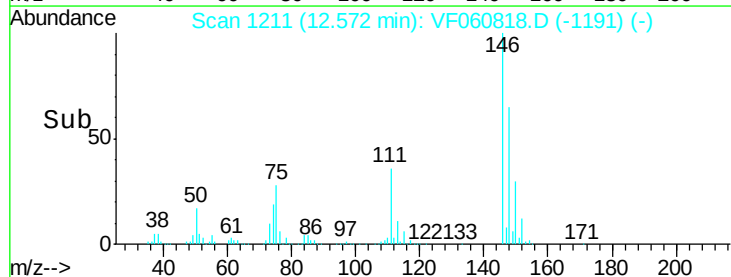
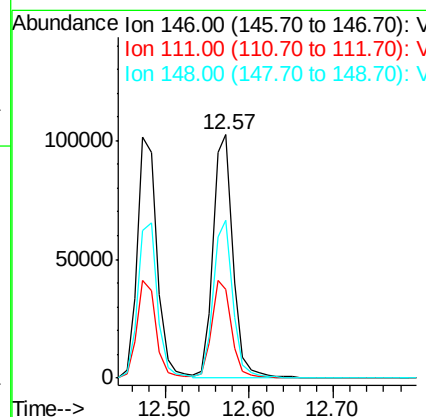
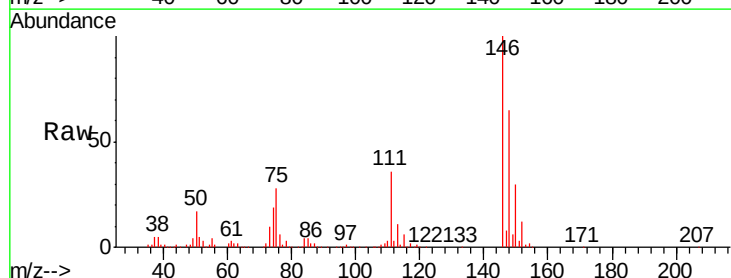
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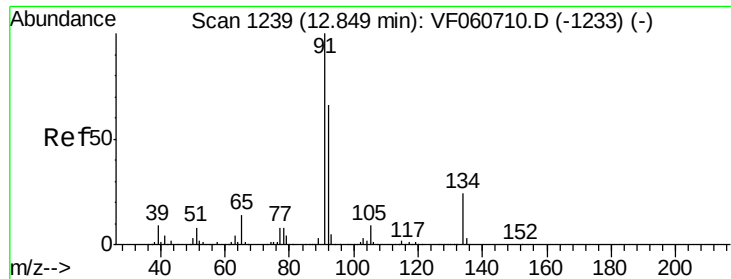
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#88
 1,4-Dichlorobenzene
 Concen: 57.11 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.6	61.9
148	64.8	34.7	104.1





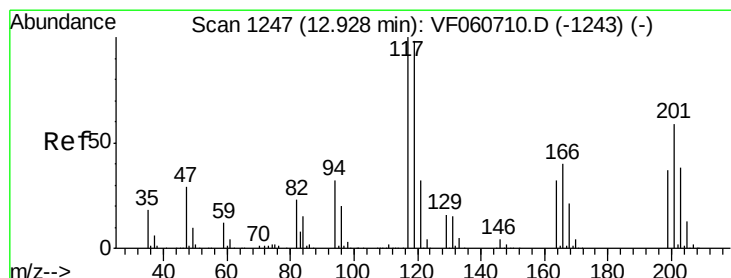
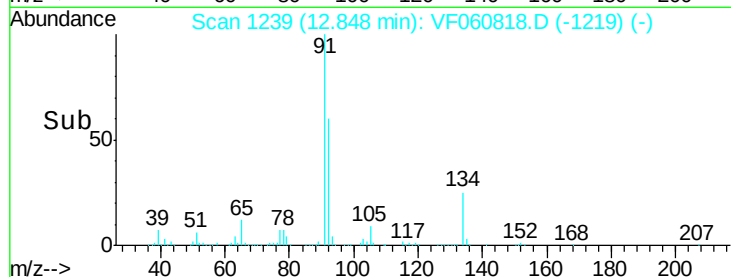
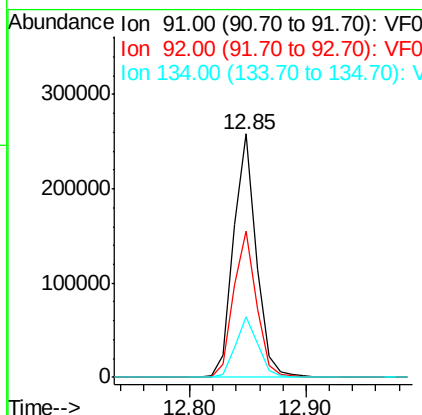
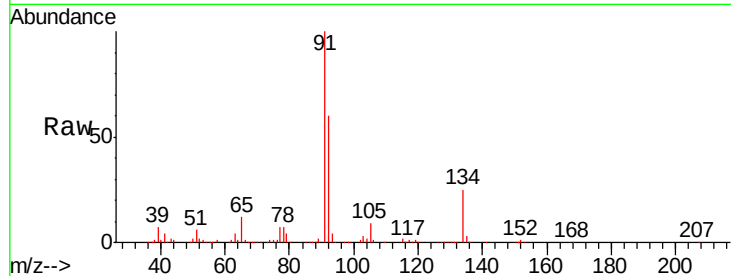
#89
n-Butylbenzene
Concen: 48.36 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	350589		
92	60.1	33.1	99.2	
134	24.8	11.9	35.9	

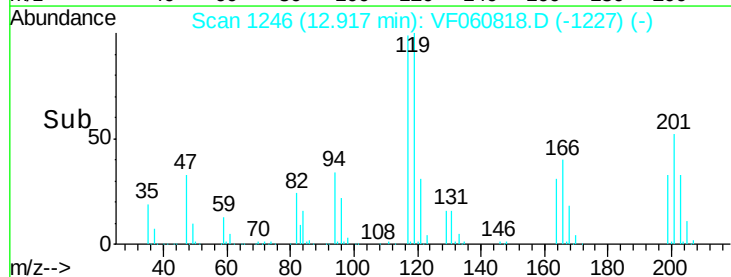
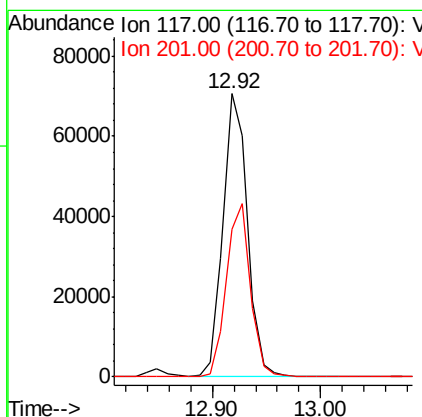
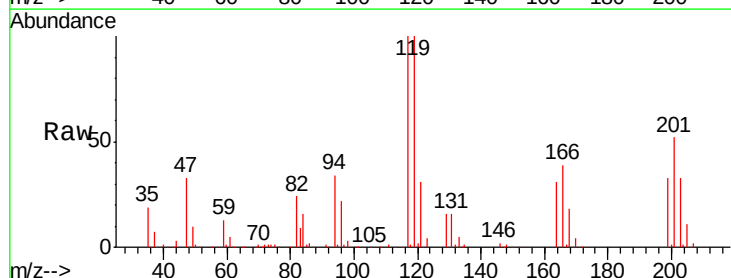
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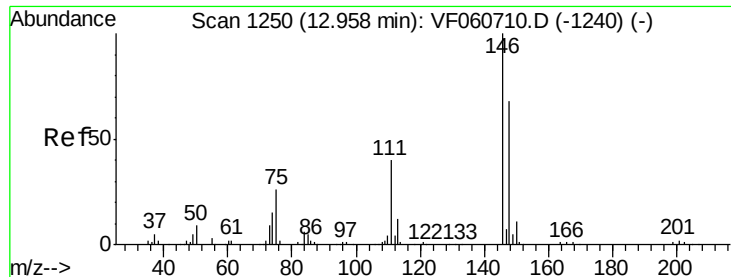
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#90
Hexachloroethane
Concen: 64.24 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	111612		
201	52.1	29.4	88.3	





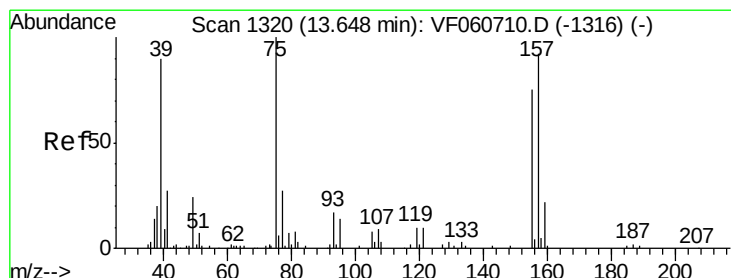
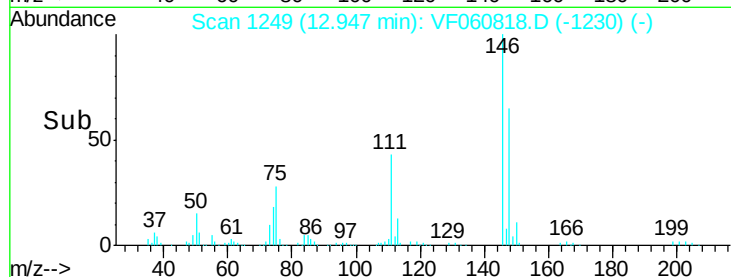
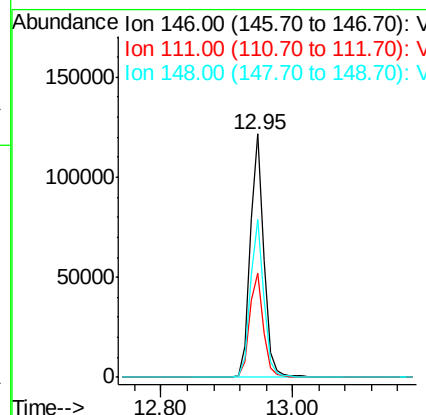
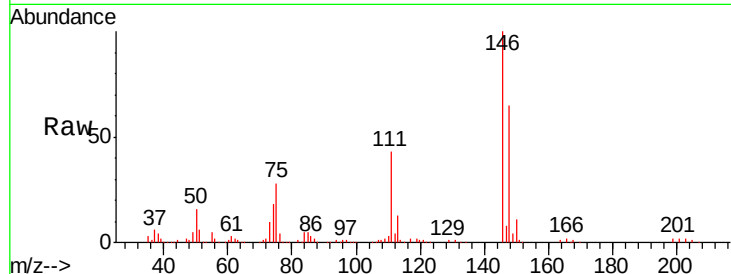
#91
 1,2-Dichlorobenzene
 Concen: 60.76 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Instrument :
 MSVOA_F
 ClientSampleId :
 MMTW-03(8-10)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.3	60.8
148	65.0	34.1	102.3

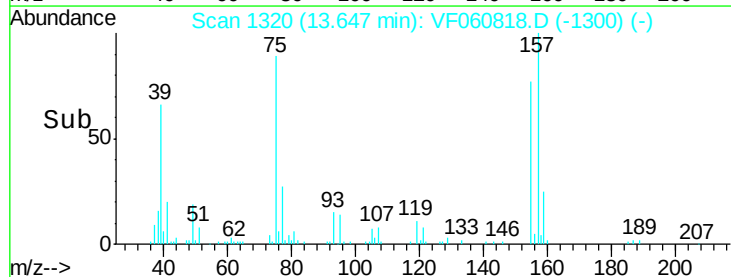
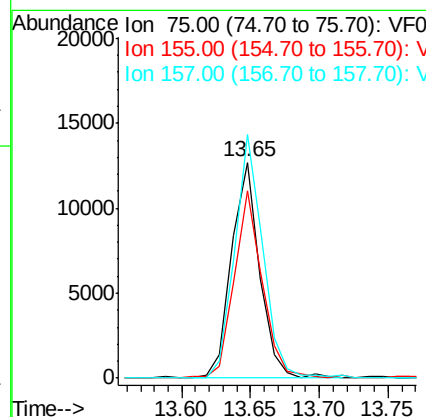
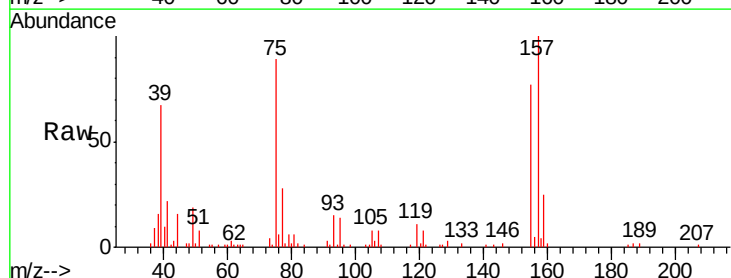
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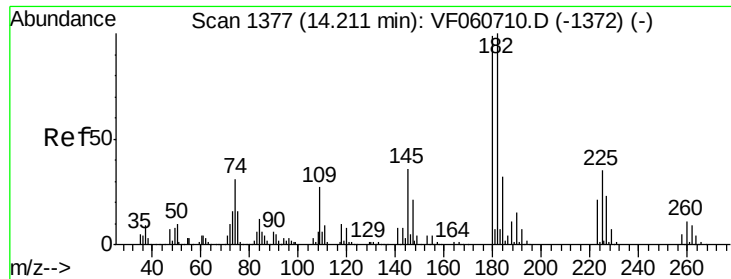
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.41 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF060818.D
 Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	37.4	112.2
157	112.8	46.0	138.0





#93

1,2,4-Trichlorobenzene

Concen: 41.74 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Instrument :

MSVOA_F

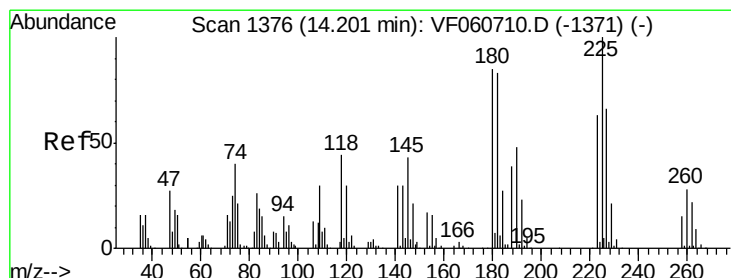
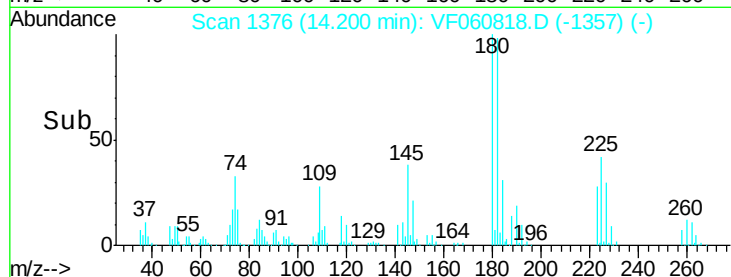
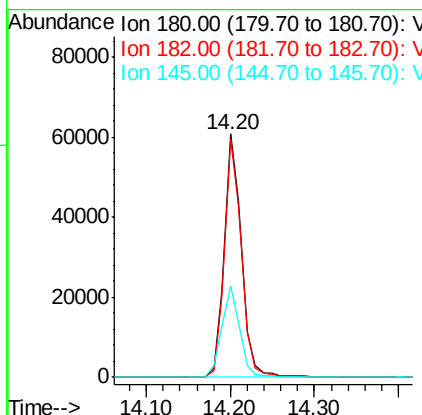
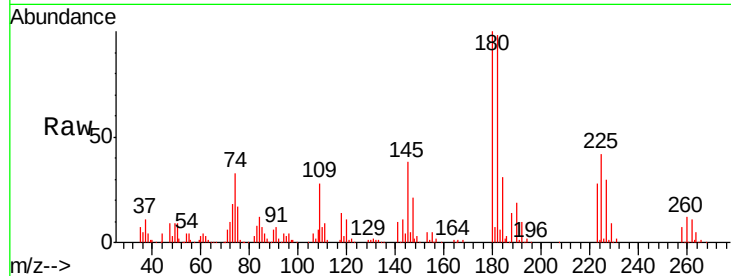
ClientSampleId :

MMTW-03(8-10)MSD

Tgt Ion:	180	Resp:	87037
Ion Ratio	Lower	Upper	
180	100		
182	97.8	50.3	151.0
145	37.6	18.3	54.9

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 33.66 ug/l

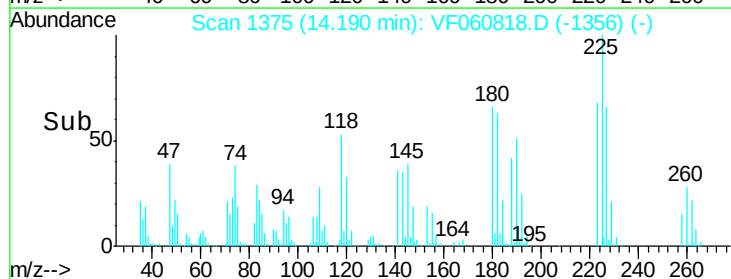
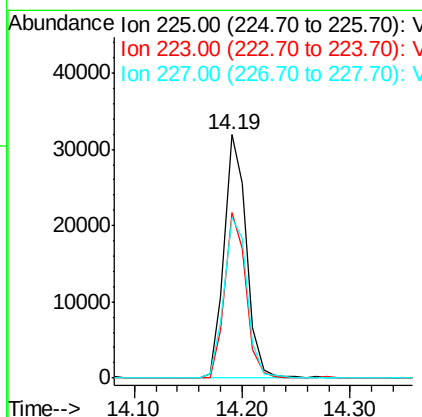
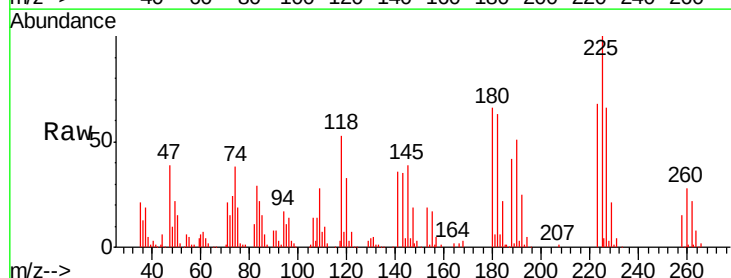
RT: 14.19 min Scan# 1375

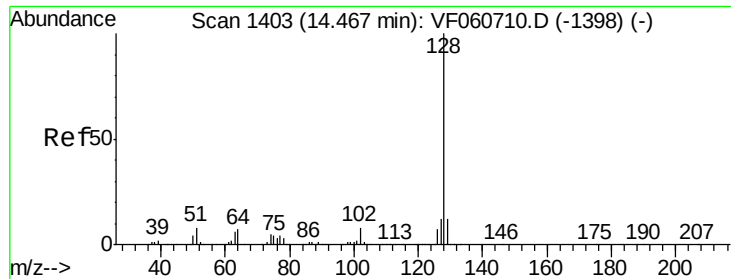
Delta R.T. -0.01 min

Lab File: VF060818.D

Acq: 20 Nov 2018 22:31

Tgt Ion:	225	Resp:	45864
Ion Ratio	Lower	Upper	
225	100		
223	67.9	31.5	94.5
227	66.0	33.0	99.0





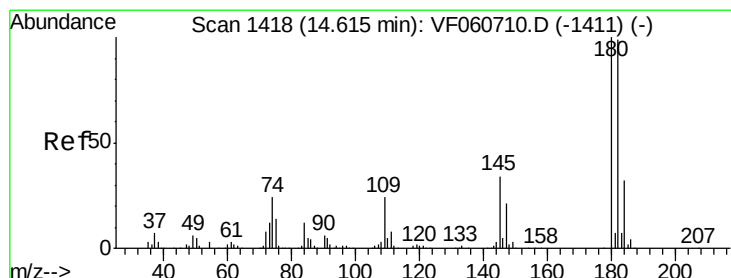
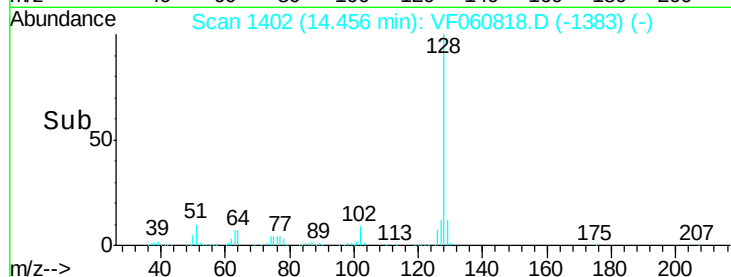
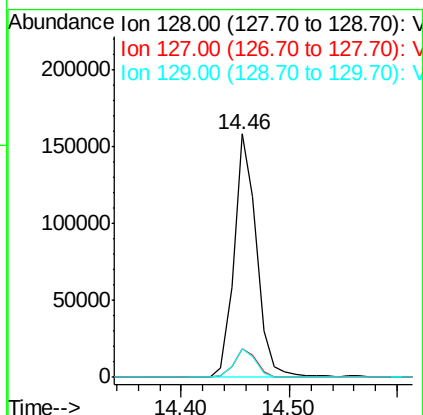
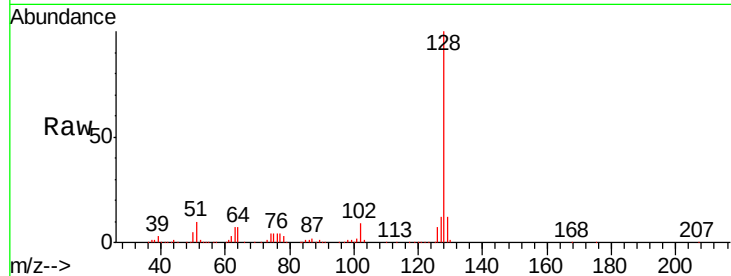
#95
Naphthalene
Concen: 60.22 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Instrument :
MSVOA_F
ClientSampleId :
MMTW-03(8-10)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	229137		
127	11.9	9.8	14.6	
129	11.7	9.3	13.9	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.24 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060818.D
Acq: 20 Nov 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83309		
182	94.7	49.6	149.0	
145	33.7	16.9	50.7	

