

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060817.D
 Acq On : 20 Nov 2018 22:02
 Operator : VA/AP
 Sample : J5977-09MS
 Misc : 3.95g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 11/21/2018 2:41:11 PM

Quant Time: Nov 21 03:45:00 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	4.87	168	157766	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	259193	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	215113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	89799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	95684	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
35) Dibromofluoromethane	4.13	113	115044	59.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.10%	
50) Toluene-d8	7.56	98	283467	57.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.46%	
62) 4-Bromofluorobenzene	11.41	95	106072	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	141565	50.14	ug/l	100
3) Chloromethane	1.10	50	99289	56.70	ug/l	97
4) Vinyl Chloride	1.14	62	86798	55.41	ug/l	# 87
5) Bromomethane	1.33	94	59203	59.50	ug/l	96
6) Chloroethane	1.38	64	39619	64.65	ug/l	90
7) Trichlorofluoromethane	1.49	101	182312	52.63	ug/l	94
8) Diethyl Ether	1.63	74	27103	61.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	88578	54.26	ug/l	97
10) Methyl Iodide	1.90	142	149468	57.07	ug/l	91
11) Tert butyl alcohol	2.57	59	26262	320.67	ug/l	100
12) 1,1-Dichloroethene	1.78	96	70198	54.54	ug/l	93
13) Acrolein	2.00	56	11749	156.90	ug/l	97
14) Allyl chloride	2.10	41	128336	56.92	ug/l	88
15) Acrylonitrile	2.94	53	55920	320.44	ug/l	96
16) Acetone	2.24	43	115138	299.35	ug/l	97
17) Carbon Disulfide	1.84	76	182072	46.80	ug/l	95
18) Methyl Acetate	2.34	43	59268	93.84	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	188045	60.90	ug/l	98
20) Methylene Chloride	2.19	84	77910m	61.61	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	70290	52.27	ug/l	89
22) Diisopropyl ether	2.80	45	295799	67.95	ug/l	99
23) Vinyl Acetate	3.19	43	395421	192.89	ug/l	100
24) 1,1-Dichloroethane	2.88	63	160226	60.79	ug/l	99
25) 2-Butanone	4.33	43	187138	295.80	ug/l	97
26) 2,2-Dichloropropane	3.60	77	98016	47.26	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	118127	51.64	ug/l	99
28) Bromochloromethane	3.72	49	72496	52.93	ug/l	99
29) Tetrahydrofuran	4.07	42	89150	341.62	ug/l	97
30) Chloroform	3.86	83	230877	54.60	ug/l	94
31) Cyclohexane	3.70	56	146876	45.92	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	175709	52.77	ug/l	95
36) 1,1-Dichloropropene	4.29	75	149860	49.85	ug/l	98
37) Ethyl Acetate	4.13	43	76622	68.56	ug/l	# 54
38) Carbon Tetrachloride	4.00	117	150675	51.66	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	131838	37.80	ug/l	98
40) Benzene	4.63	78	375479	56.03	ug/l	99
41) Methacrylonitrile	4.75	41	39355	67.57	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	131160	56.64	ug/l	98
43) Isopropyl Acetate	6.96	43	79250	53.48	ug/l #	95
44) Trichloroethene	5.51	130	100057	47.33	ug/l	98
45) 1,2-Dichloropropane	6.24	63	100488	57.63	ug/l	92
46) Dibromomethane	6.09	93	61037	53.03	ug/l	93
47) Bromodichloromethane	6.39	83	159942	54.42	ug/l	98
48) Methyl methacrylate	6.71	41	61936	63.16	ug/l	91
49) 1,4-Dioxane	6.70	88	12032	1311.89	ug/l #	90
51) 4-Methyl-2-Pentanone	8.26	43	343331	320.37	ug/l	99
52) Toluene	7.63	92	219889	48.97	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	111858	47.51	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	150739	49.29	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	69807	54.41	ug/l	97
56) Ethyl methacrylate	8.63	69	74741	51.29	ug/l	98
57) 1,3-Dichloropropane	8.85	76	122572	55.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	32402	243.43	ug/l	100
59) 2-Hexanone	9.50	43	230798	306.45	ug/l	100
60) Dibromochloromethane	8.73	129	96074	52.54	ug/l	94
61) 1,2-Dibromoethane	8.99	107	70230	52.05	ug/l	99
64) Tetrachloroethene	8.15	164	88693	52.07	ug/l	97
65) Chlorobenzene	9.80	112	232882	53.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	115304	60.90	ug/l	99
67) Ethyl Benzene	9.91	91	427374	52.23	ug/l	99
68) m/p-Xylenes	10.14	106	293205	100.27	ug/l	93
69) o-Xylene	10.72	106	176653	53.73	ug/l	97
70) Styrene	10.80	104	218972	49.08	ug/l	99
71) Bromoform	10.78	173	49462	58.10	ug/l #	92
73) Isopropylbenzene	11.13	105	480497	66.48	ug/l	98
74) N-amyl acetate	11.37	43	125679	76.38	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	96211	80.51	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	66530	74.96	ug/l	97
77) Bromobenzene	11.50	156	97517	64.81	ug/l	96
78) n-propylbenzene	11.60	91	498585	59.14	ug/l	97
79) 2-Chlorotoluene	11.72	91	295510	60.31	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	359920	62.72	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	28943m	66.38	ug/l	
82) 4-Chlorotoluene	11.90	91	286767	57.13	ug/l	97
83) tert-Butylbenzene	12.14	119	375253	61.59	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	346044	58.31	ug/l	96
85) sec-Butylbenzene	12.31	105	420010	50.82	ug/l	96
86) p-Isopropyltoluene	12.46	119	355095	51.44	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	156238	52.18	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	160173	55.66	ug/l	93
89) n-Butylbenzene	12.85	91	304836	43.27	ug/l	95
90) Hexachloroethane	12.92	117	88509	52.42	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	157654	55.92	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	16749	74.57	ug/l	76

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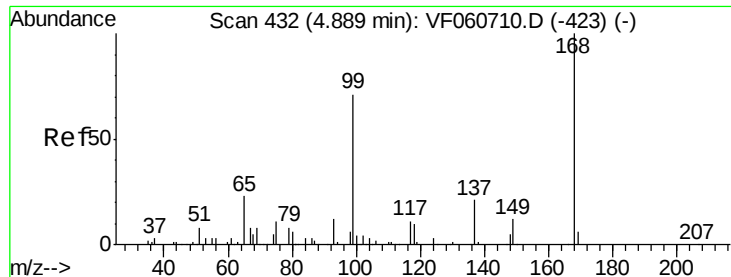
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	77175	38.09	ug/l	96
94) Hexachlorobutadiene	14.19	225	34246	25.86	ug/l	98
95) Naphthalene	14.46	128	223923	60.56	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	69554	37.15	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

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ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 168 Resp: 157766

Ion Ratio Lower Upper

168 100

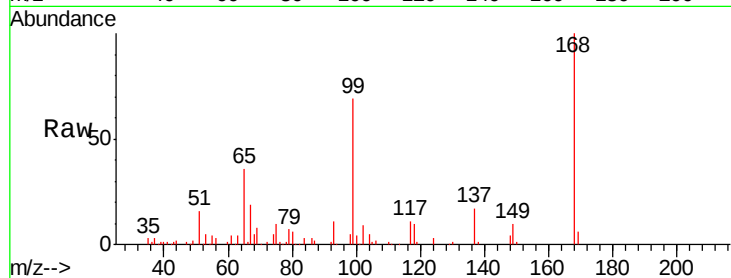
99 69.4 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

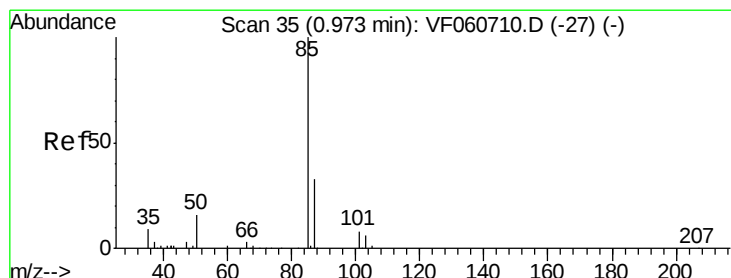
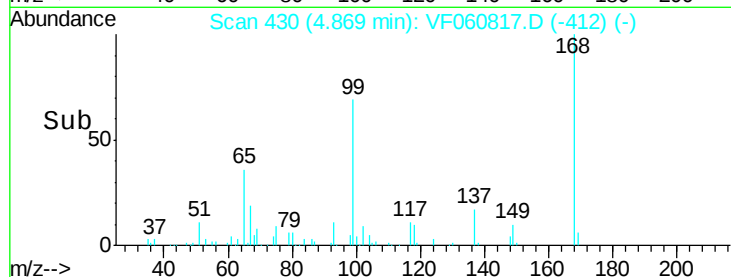
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.14 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060817.D

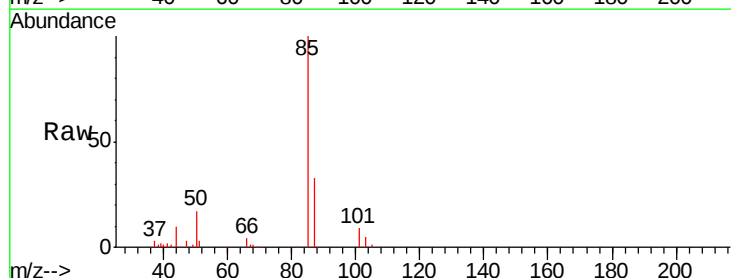
Acq: 20 Nov 2018 22:02

Tgt Ion: 85 Resp: 141565

Ion Ratio Lower Upper

85 100

87 32.7 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

40000

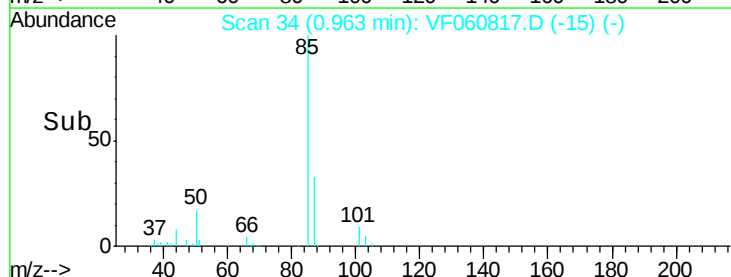
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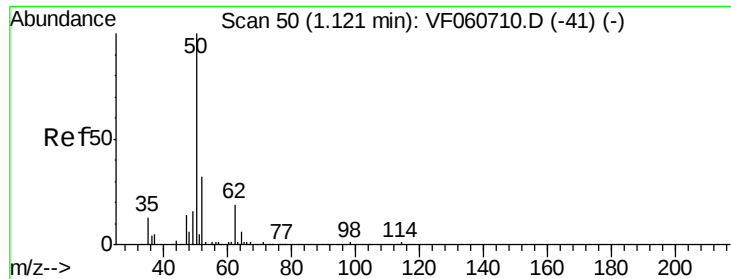
20000

10000

0

Time-->





#3

Chloromethane

Concen: 56.70 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

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ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 50 Resp: 99289

Ion Ratio Lower Upper

50 100

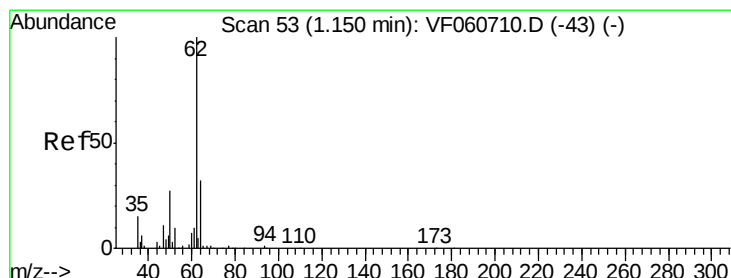
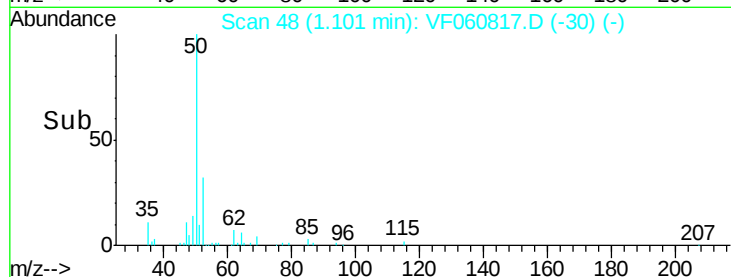
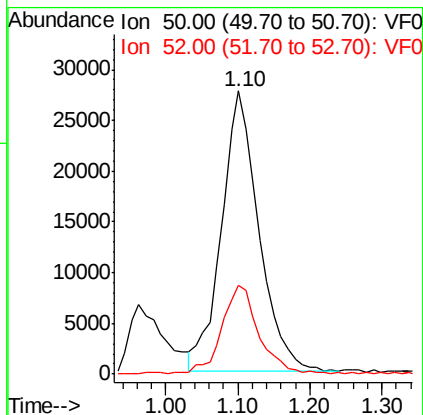
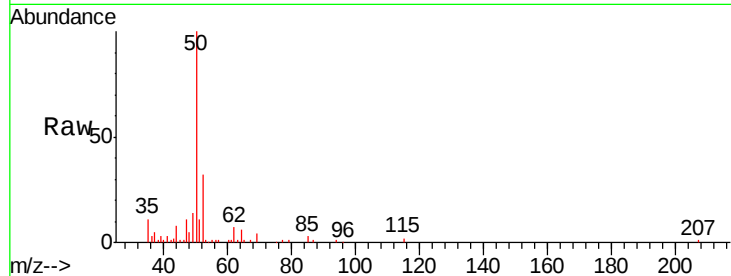
52 31.6 24.2 36.2

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#4

Vinyl Chloride

Concen: 55.41 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060817.D

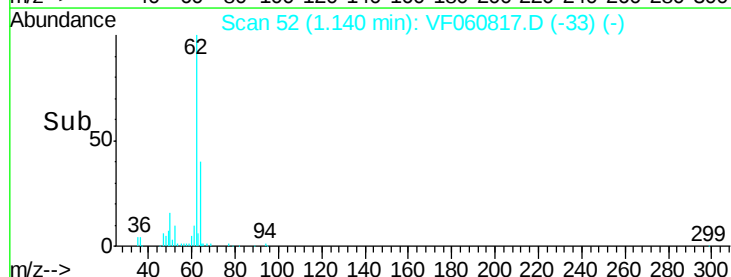
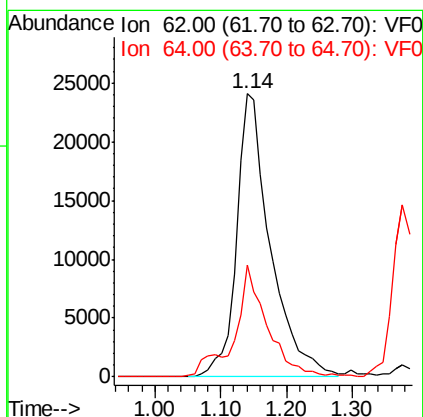
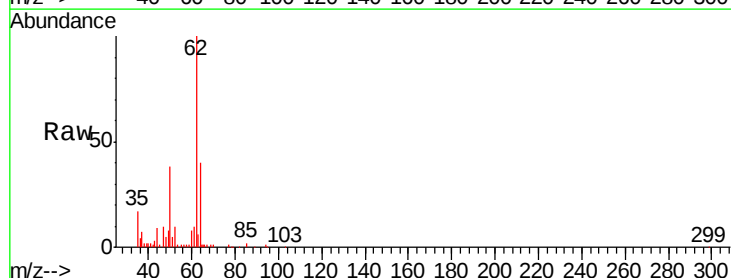
Acq: 20 Nov 2018 22:02

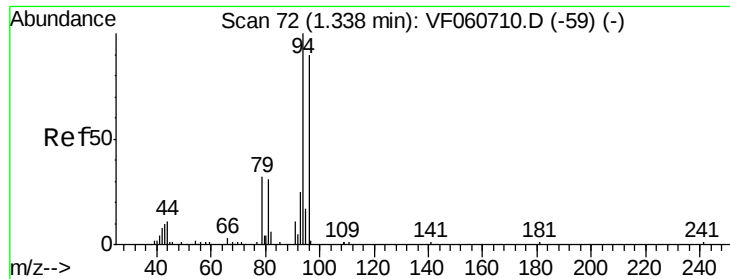
Tgt Ion: 62 Resp: 86798

Ion Ratio Lower Upper

62 100

64 39.6 25.8 38.8#





#5

Bromomethane

Concen: 59.50 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

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Acq: 20 Nov 2018 22:02

Instrument :

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Tgt Ion: 94 Resp: 59203

Ion Ratio Lower Upper

94 100

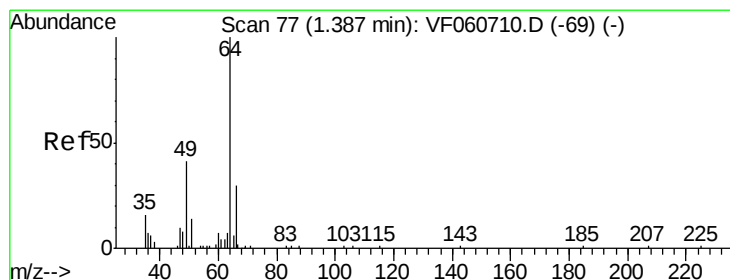
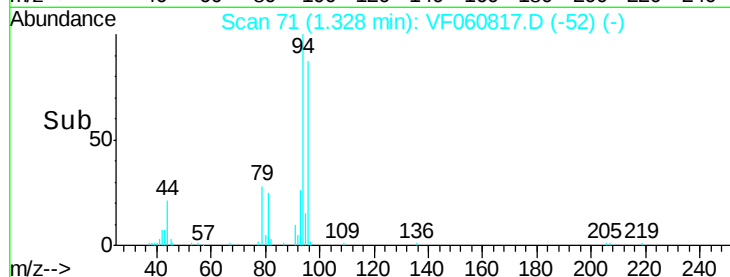
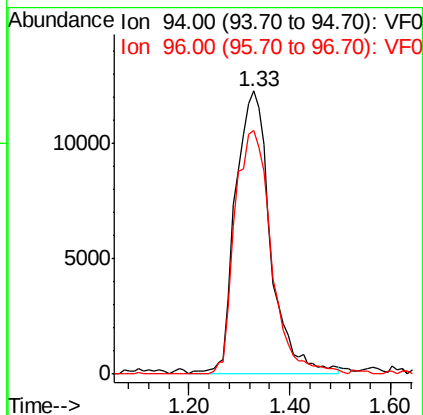
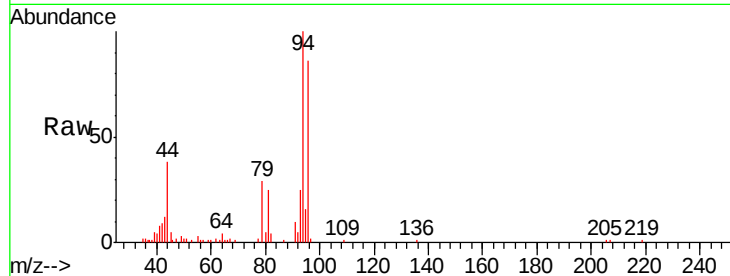
96 85.9 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 64.65 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060817.D

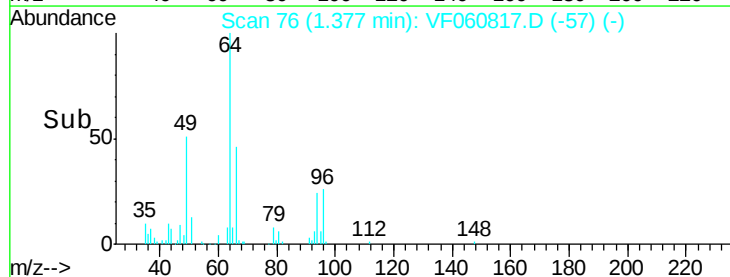
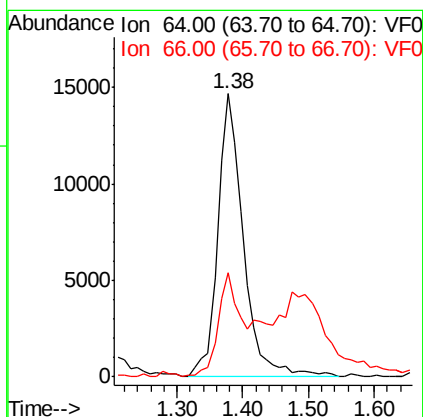
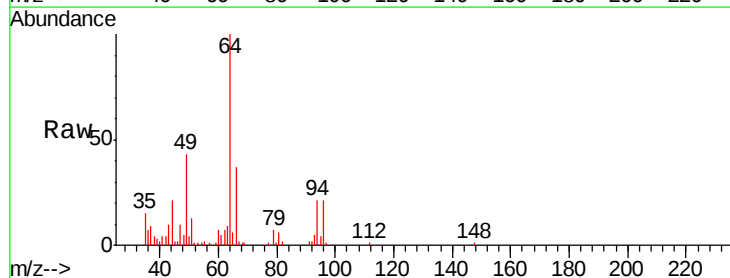
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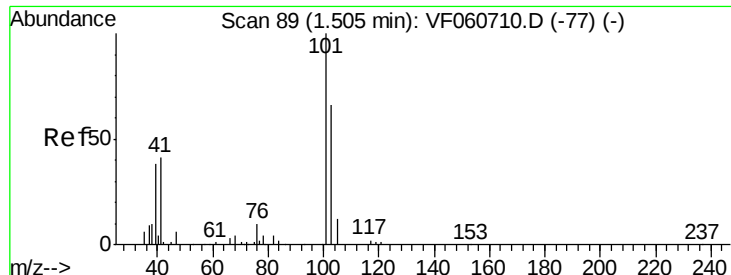
Tgt Ion: 64 Resp: 39619

Ion Ratio Lower Upper

64 100

66 36.7 24.8 37.2





#7

Trichlorofluoromethane

Concen: 52.63 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.02 min

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Tgt Ion:101 Resp: 182312

Ion Ratio Lower Upper

101 100

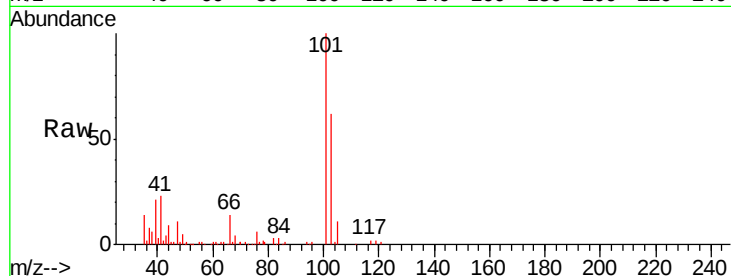
103 61.9 53.1 79.7

Manual Integrations

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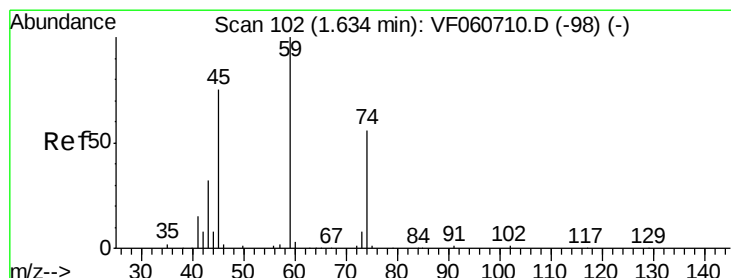
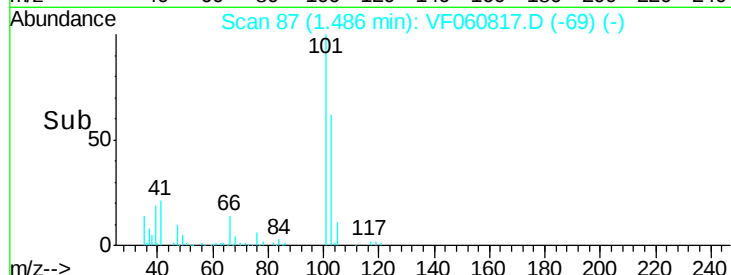
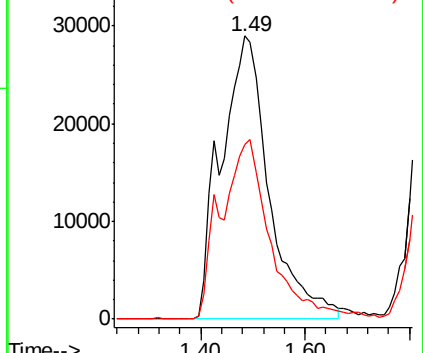
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 61.07 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF060817.D

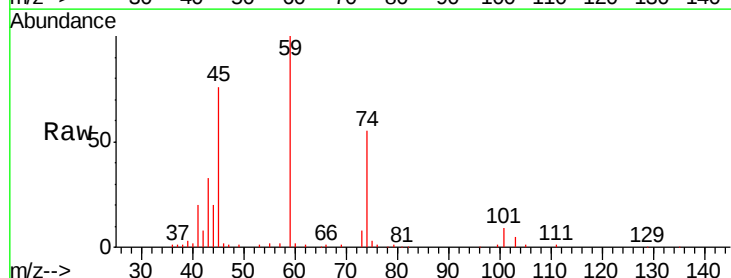
Acq: 20 Nov 2018 22:02

Tgt Ion: 74 Resp: 27103

Ion Ratio Lower Upper

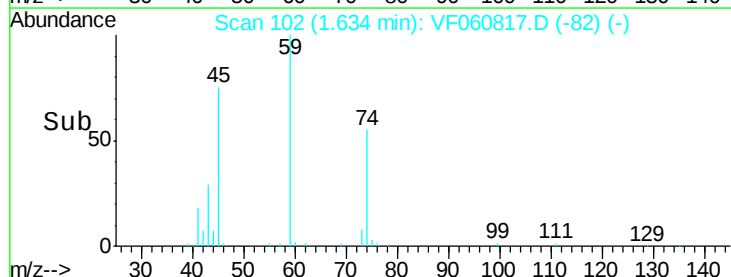
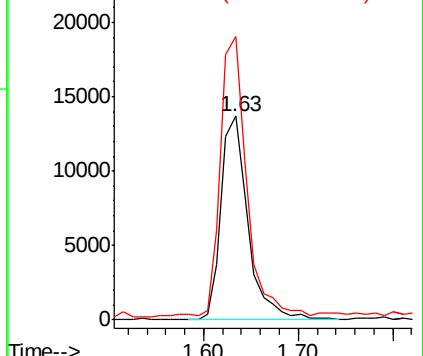
74 100

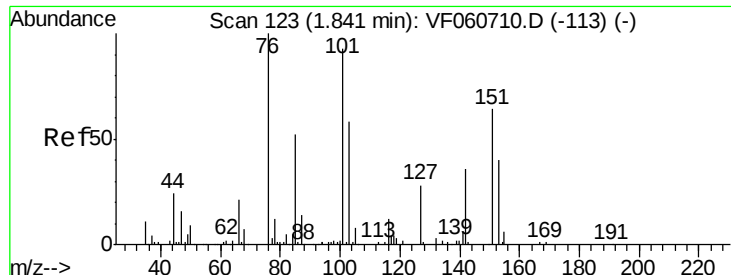
45 139.0 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.26 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

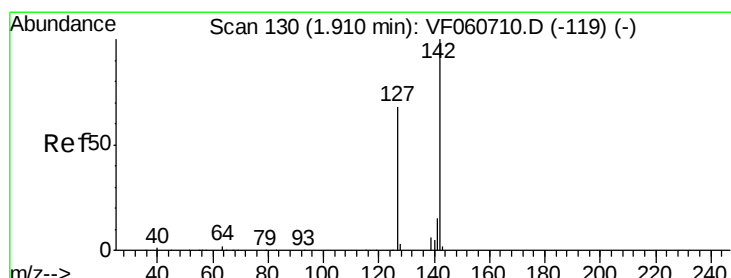
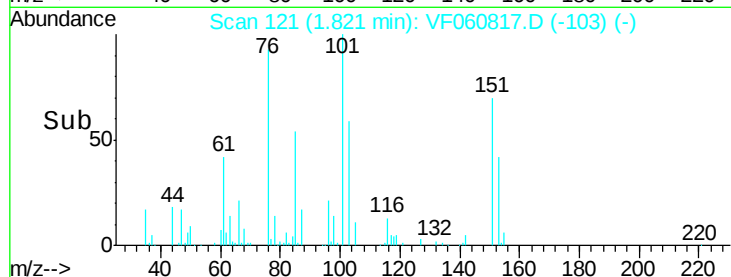
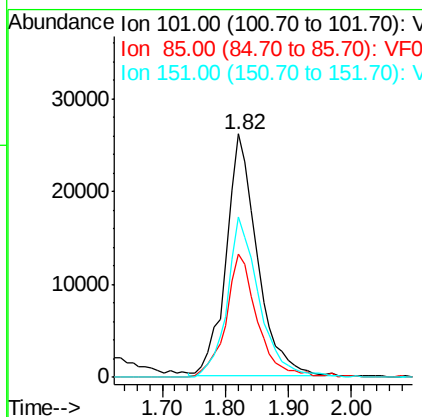
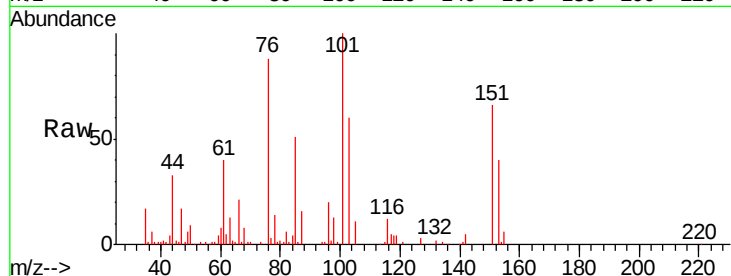
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	101	Resp:	88578
Ion Ratio	Lower	Upper	
101	100		
85	50.9	43.6	65.4
151	65.7	53.1	79.7

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#10

Methyl Iodide

Concen: 57.07 ug/l

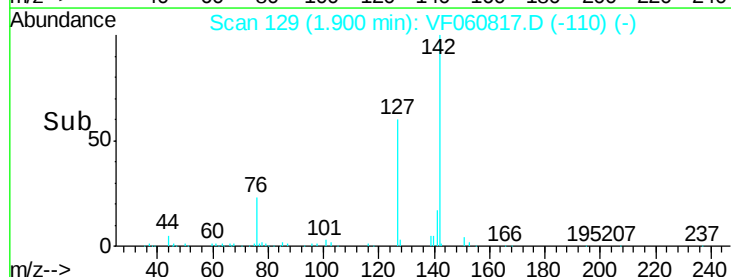
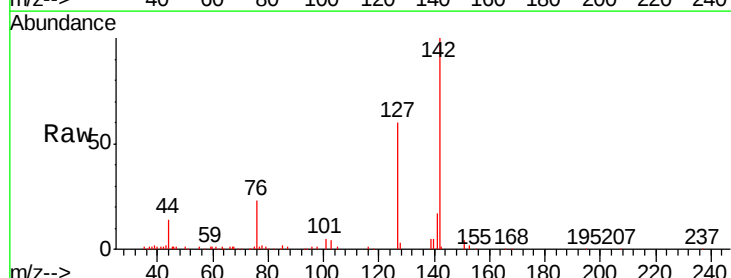
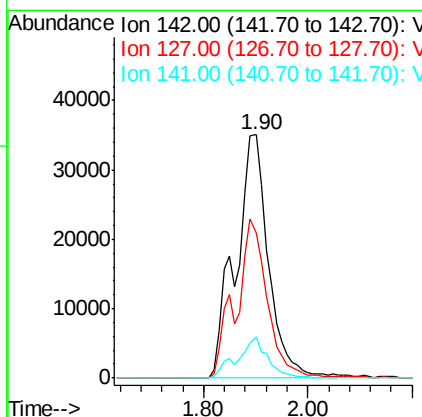
RT: 1.90 min Scan# 129

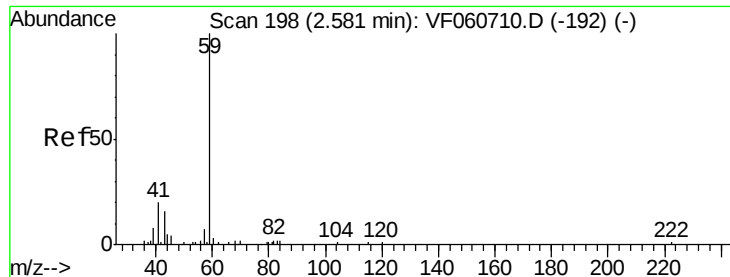
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	142	Resp:	149468
Ion Ratio	Lower	Upper	
142	100		
127	59.7	54.0	81.0
141	17.1	12.3	18.5





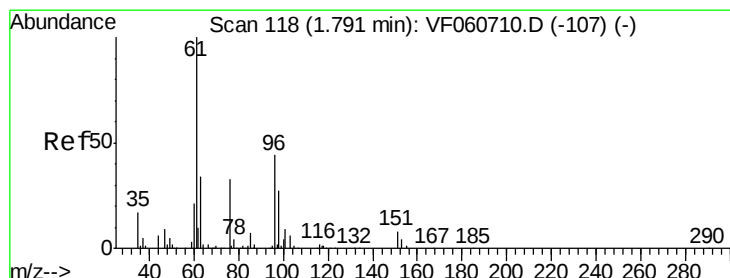
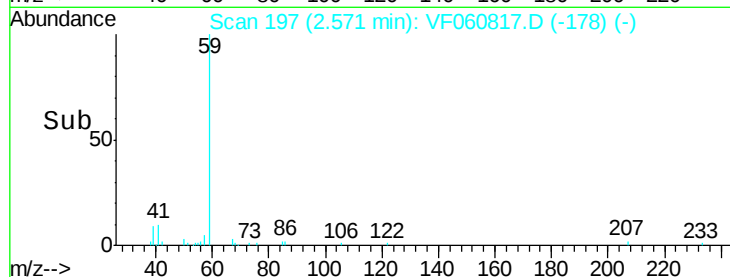
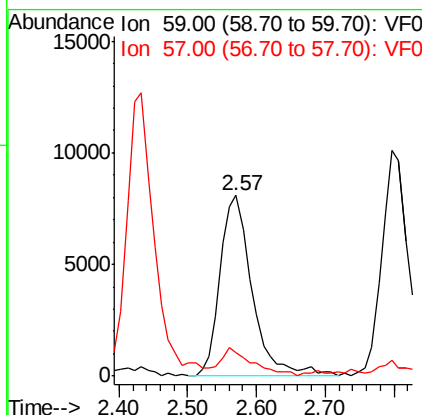
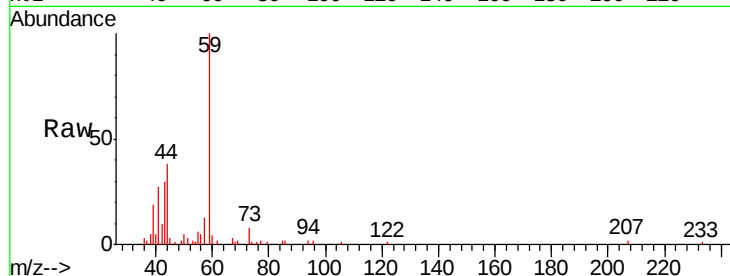
#11
Tert butyl alcohol
Concen: 320.67 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion: 59 Resp: 26262
Ion Ratio Lower Upper
59 100
57 13.0 10.5 15.7

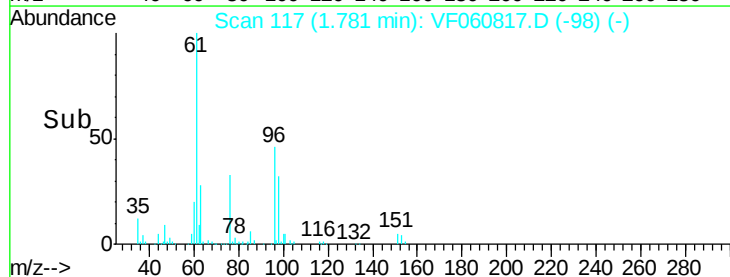
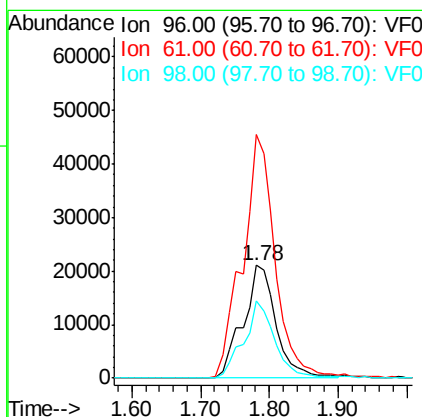
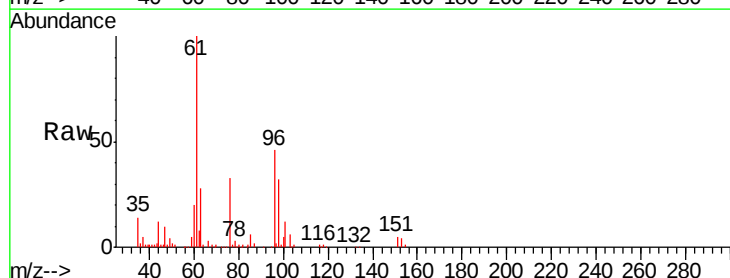
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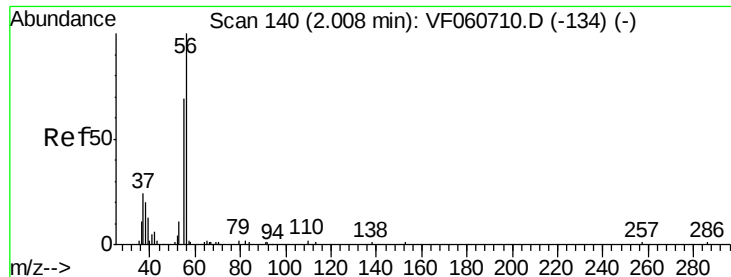
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#12
1,1-Dichloroethene
Concen: 54.54 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion: 96 Resp: 70198
Ion Ratio Lower Upper
96 100
61 216.0 182.2 273.2
98 68.1 49.2 73.8





#13

Acrolein

Concen: 156.90 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 56 Resp: 11749

Ion Ratio Lower Upper

56 100

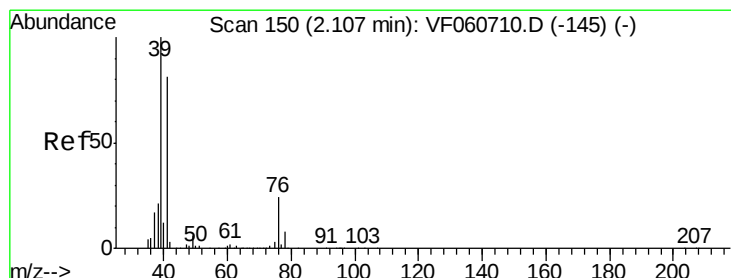
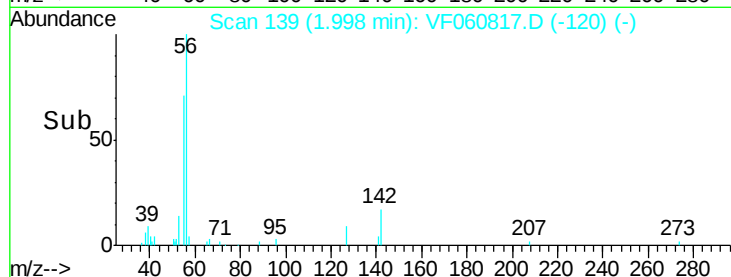
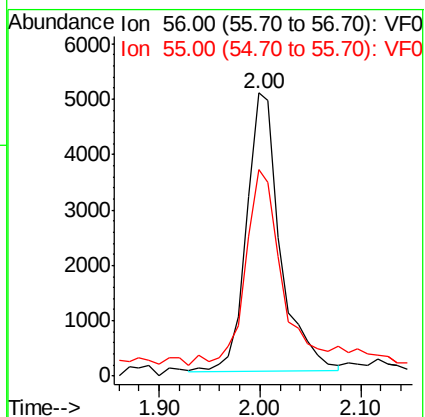
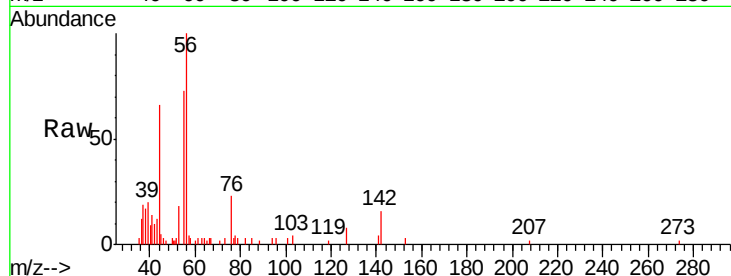
55 73.1 56.6 85.0

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#14

Allyl chloride

Concen: 56.92 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

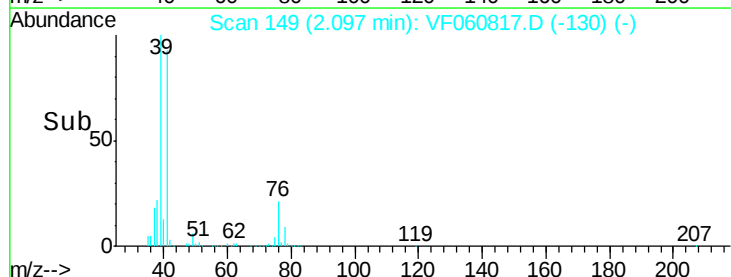
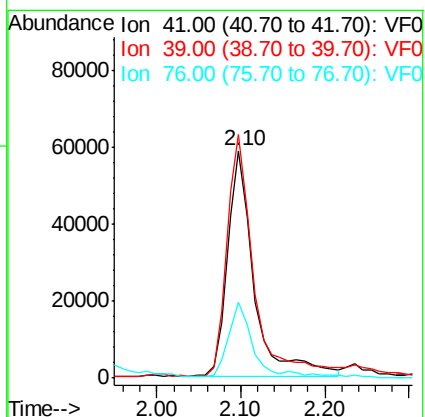
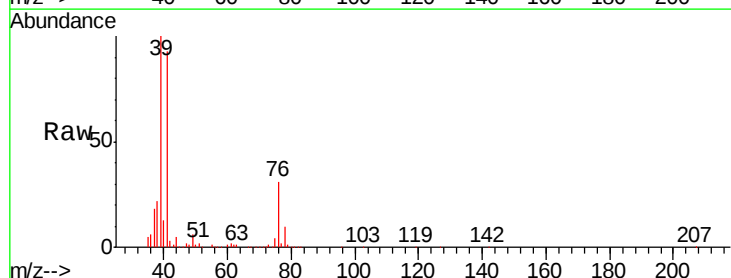
Tgt Ion: 41 Resp: 128336

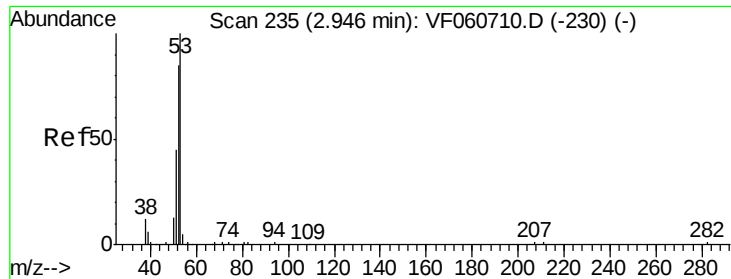
Ion Ratio Lower Upper

41 100

39 107.2 98.5 147.7

76 33.5 24.5 36.7





#15

Acrylonitrile

Concen: 320.44 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

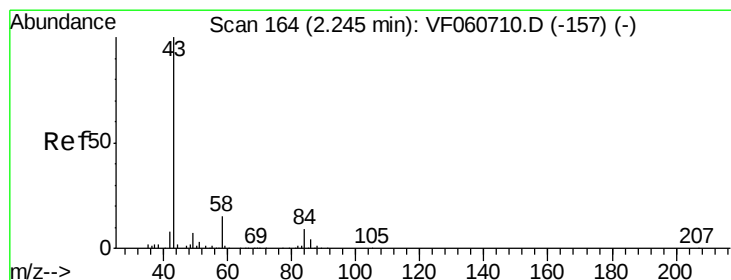
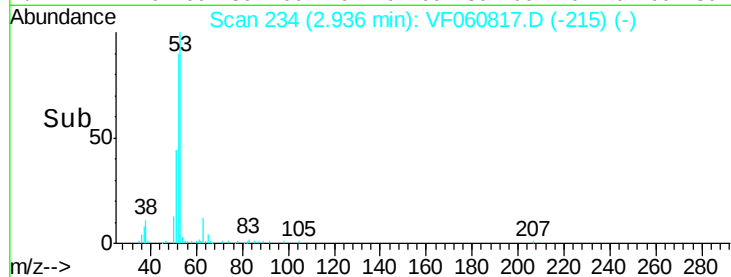
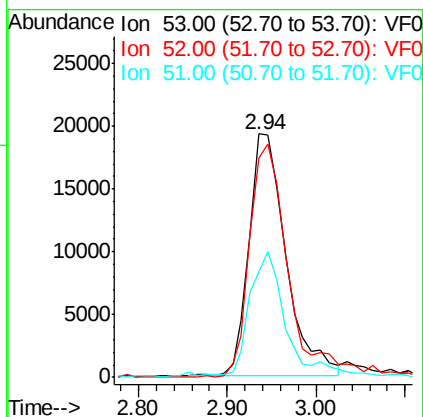
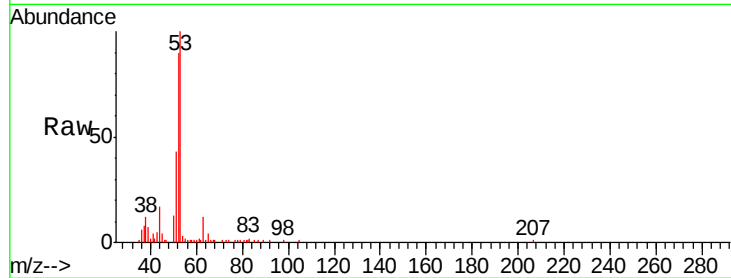
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	53	Resp:	55920
Ion	Ratio	Lower	Upper
53	100		
52	89.8	68.8	103.2
51	43.5	36.7	55.1

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#16

Acetone

Concen: 299.35 ug/l

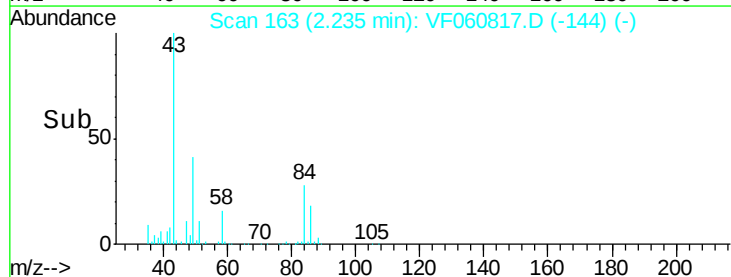
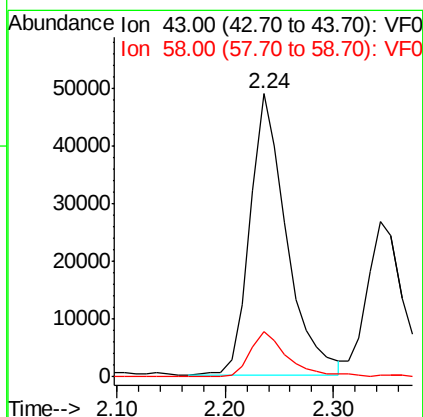
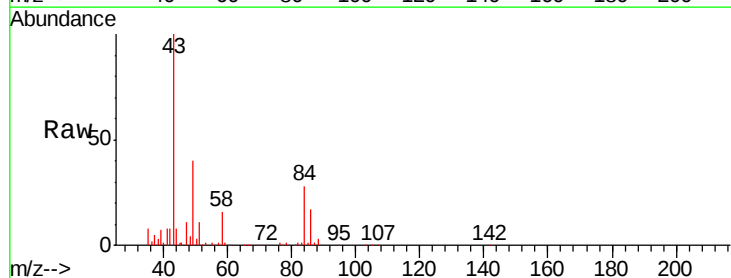
RT: 2.24 min Scan# 163

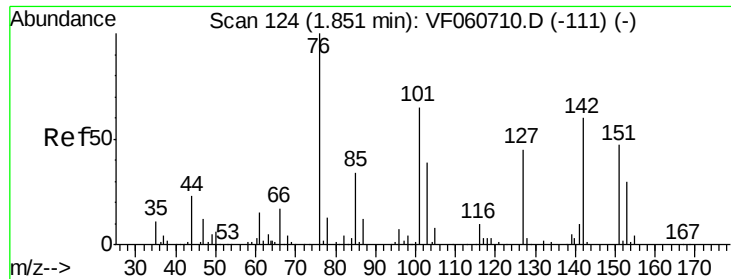
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	43	Resp:	115138
Ion	Ratio	Lower	Upper
43	100		
58	15.9	11.6	17.4





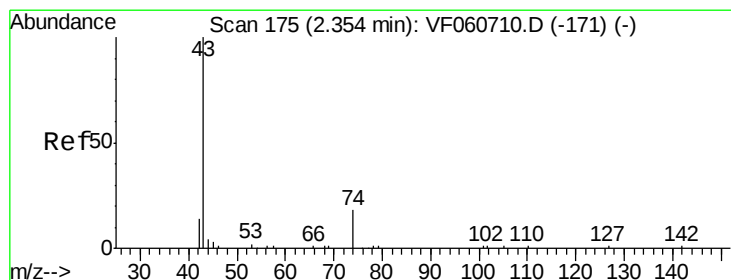
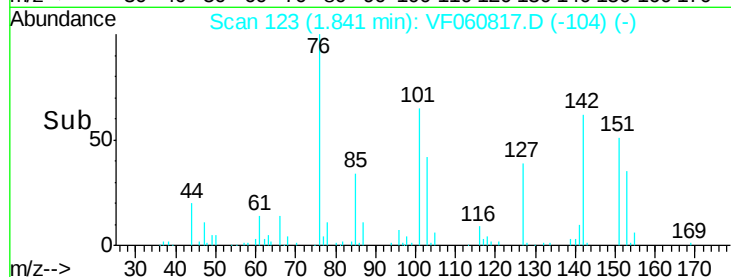
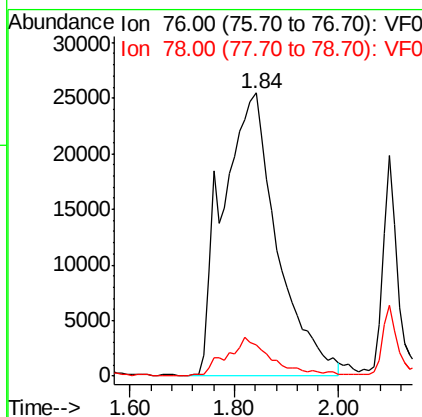
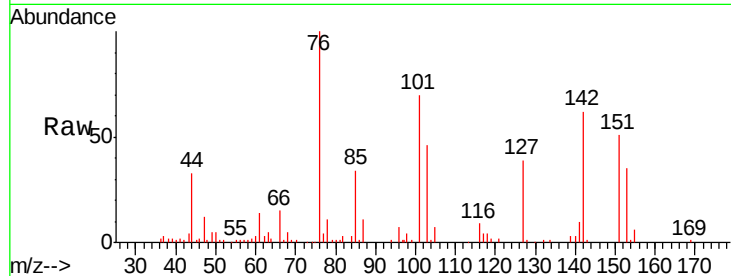
#17
Carbon Disulfide
Concen: 46.80 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion: 76 Resp: 182072
Ion Ratio Lower Upper
76 100
78 11.0 10.5 15.7

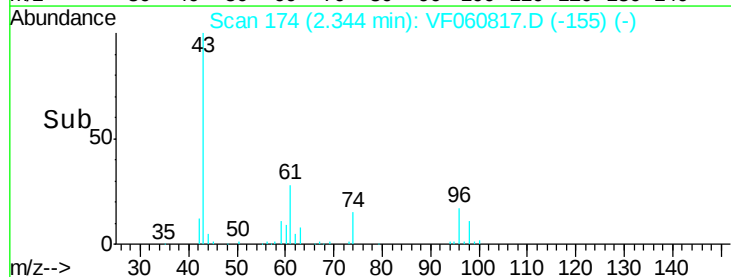
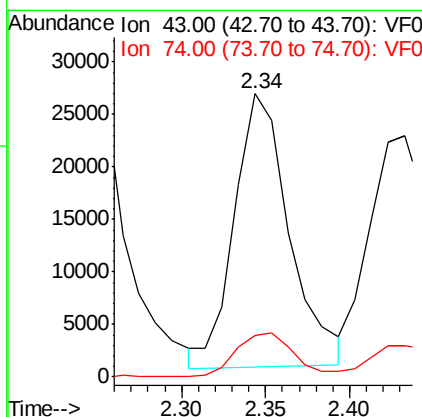
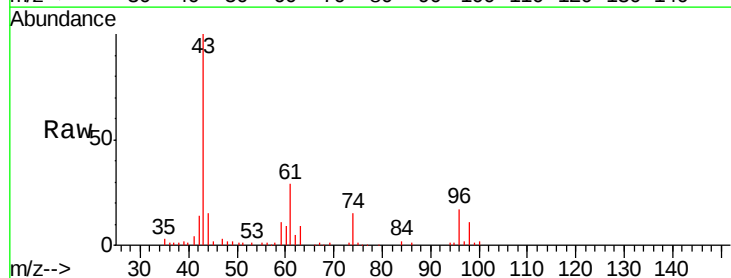
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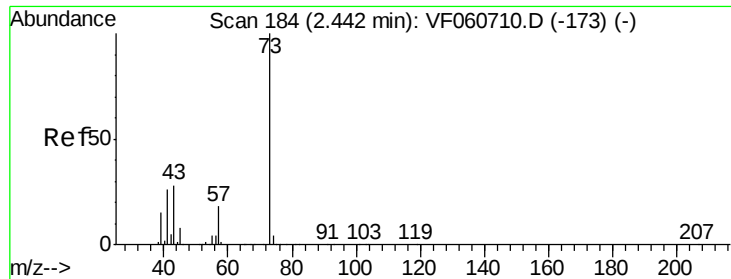
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#18
Methyl Acetate
Concen: 93.84 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion: 43 Resp: 59268
Ion Ratio Lower Upper
43 100
74 14.5 11.8 17.8





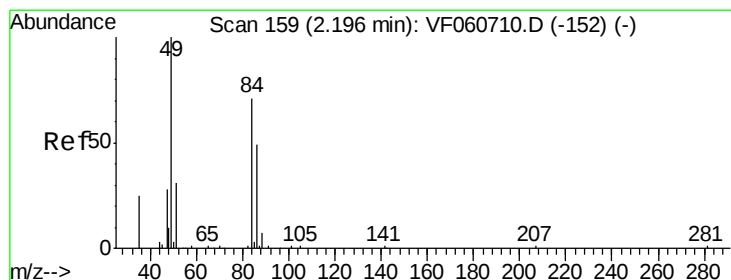
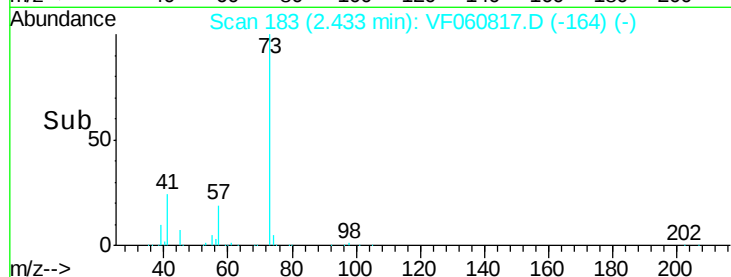
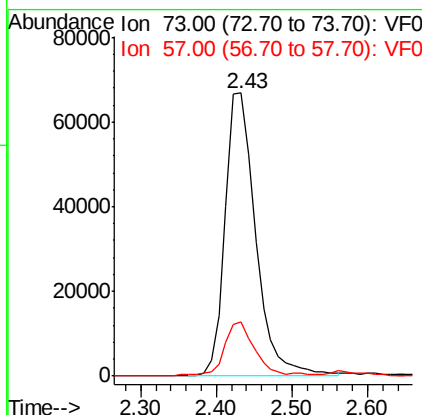
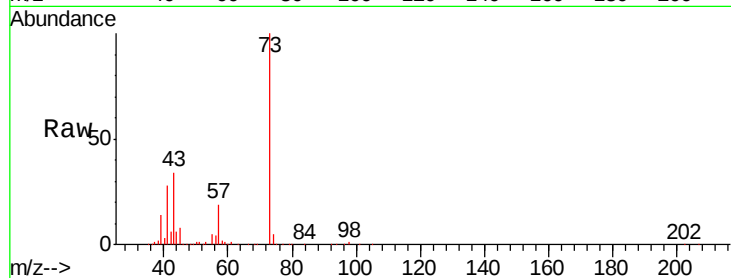
#19
Methyl tert-butyl Ether
Concen: 60.90 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion: 73 Resp: 188045
Ion Ratio Lower Upper
73 100
57 19.0 14.3 21.5

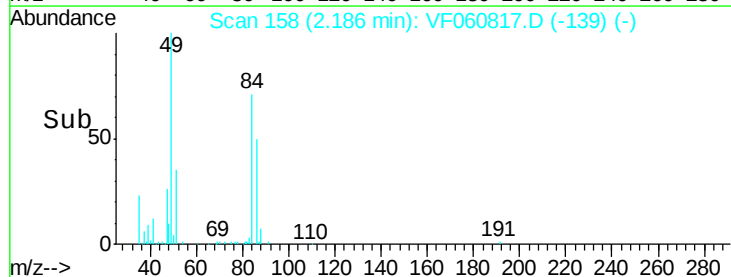
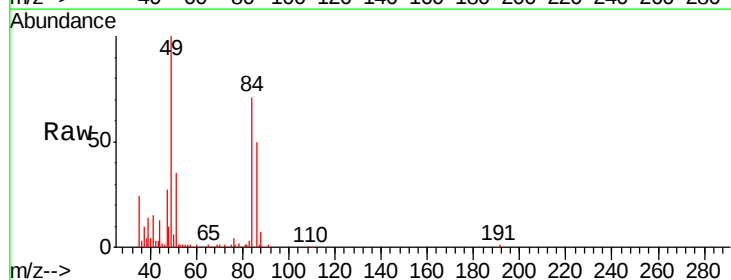
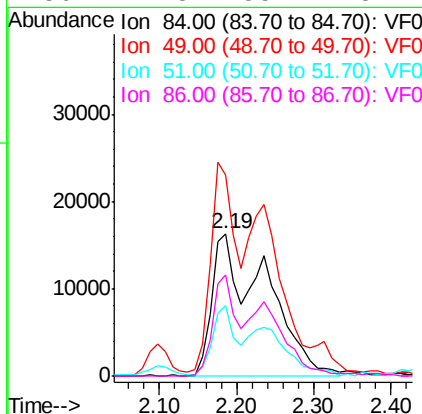
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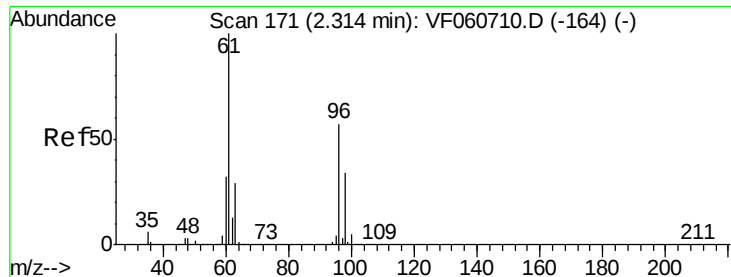
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#20
Methylene Chloride
Concen: 61.61 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion: 84 Resp: 77910
Ion Ratio Lower Upper
84 100
49 141.7 120.2 180.4
51 49.7 37.2 55.8
86 71.3 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 52.27 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

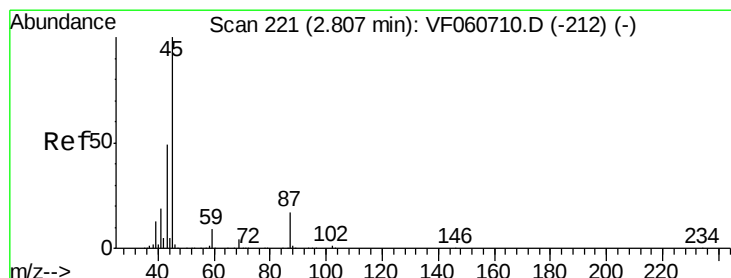
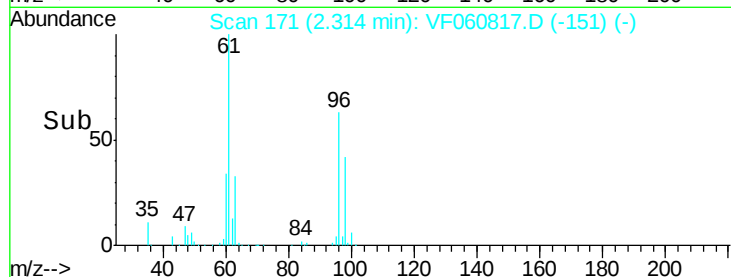
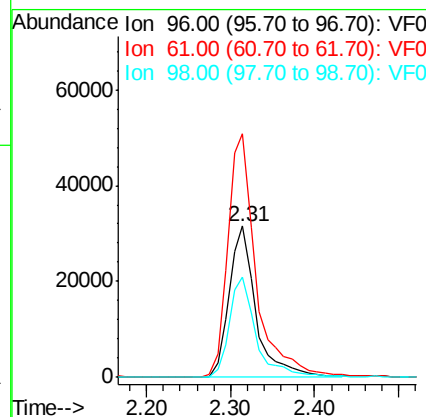
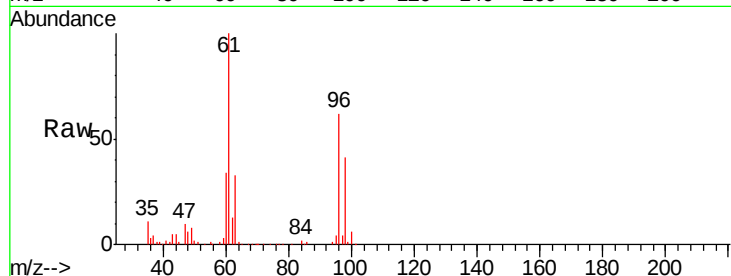
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	96	Resp:	70290
Ion	Ratio	Lower	Upper
96	100		
61	161.0	141.6	212.4
98	66.6	47.4	71.0

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#22

Diisopropyl ether

Concen: 67.95 ug/l

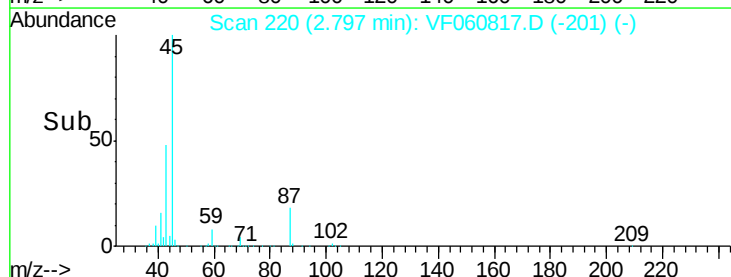
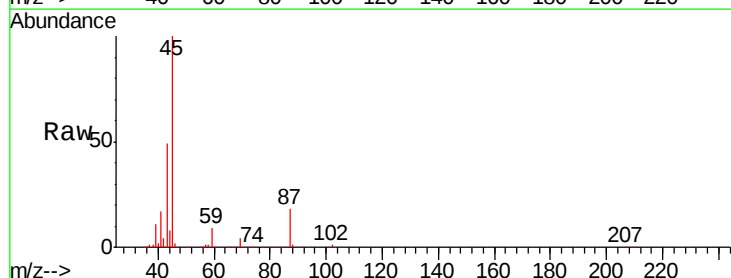
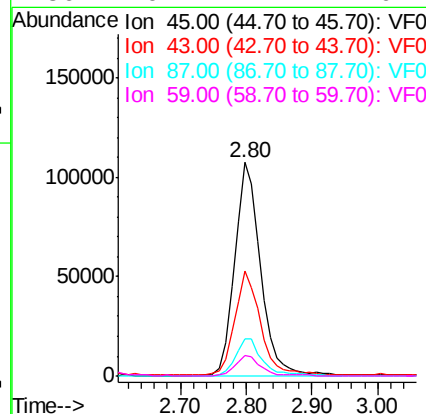
RT: 2.80 min Scan# 220

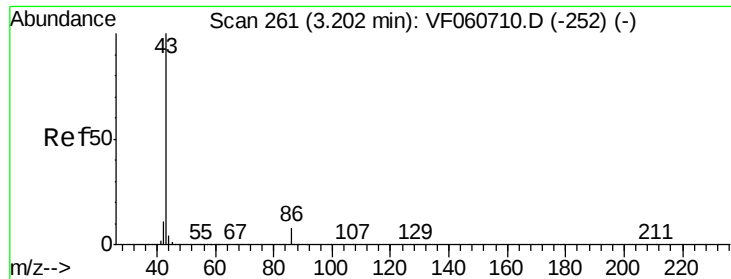
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	45	Resp:	295799
Ion	Ratio	Lower	Upper
45	100		
43	49.4	39.9	59.9
87	17.6	13.9	20.9
59	9.4	7.1	10.7





#23

Vinyl Acetate

Concen: 192.89 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 43 Resp: 395421

Ion Ratio Lower Upper

43 100

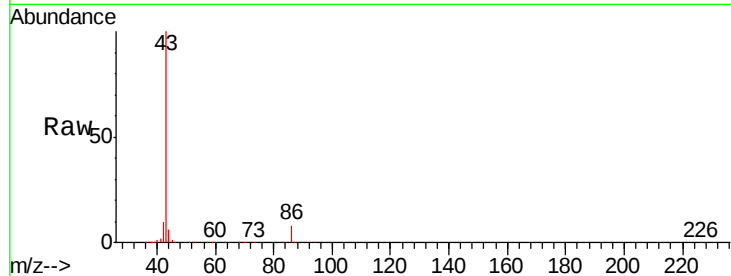
86 7.9 6.4 9.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

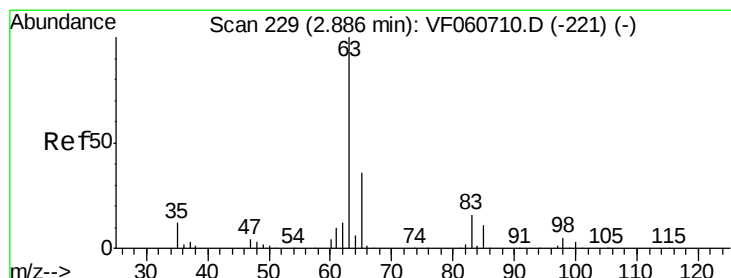
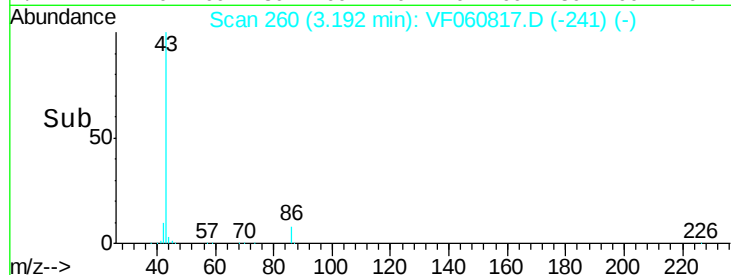
3.19

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 60.79 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

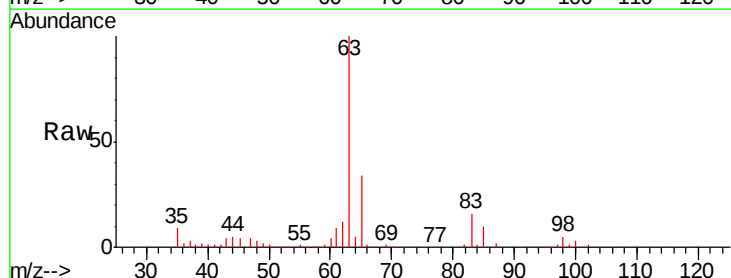
Tgt Ion: 63 Resp: 160226

Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 3.3 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

2.88

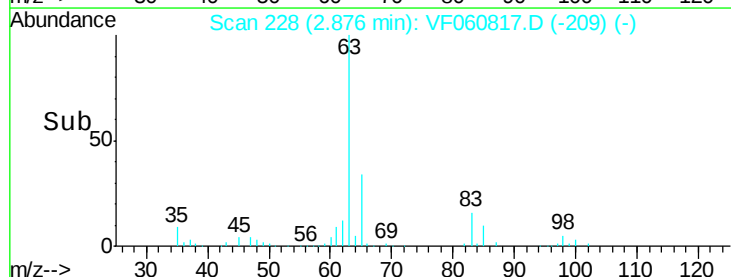
60000

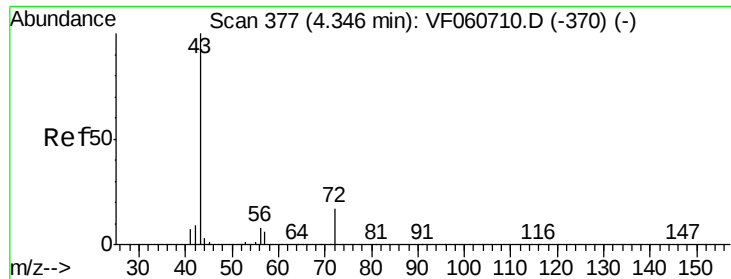
40000

20000

0

Time-->





#25

2-Butanone

Concen: 295.80 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 43 Resp: 187138

Ion Ratio Lower Upper

43 100

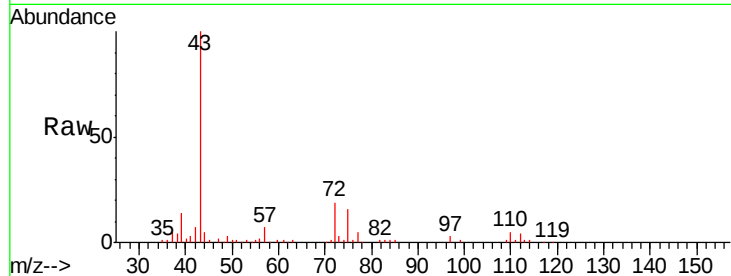
72 18.8 16.1 24.1

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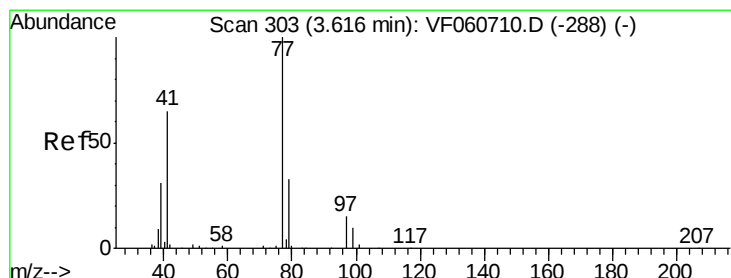
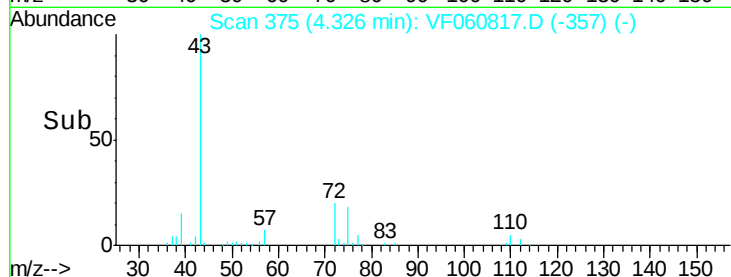
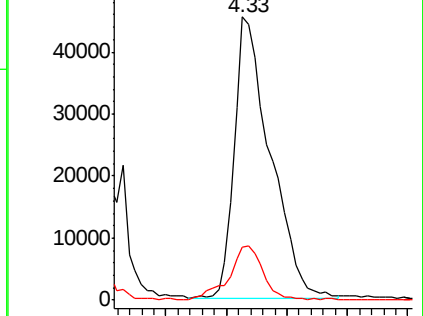
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 47.26 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060817.D

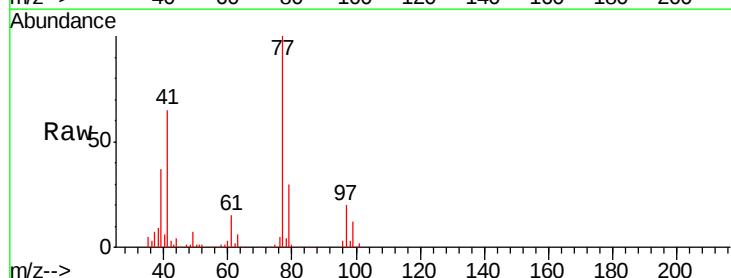
Acq: 20 Nov 2018 22:02

Tgt Ion: 77 Resp: 98016

Ion Ratio Lower Upper

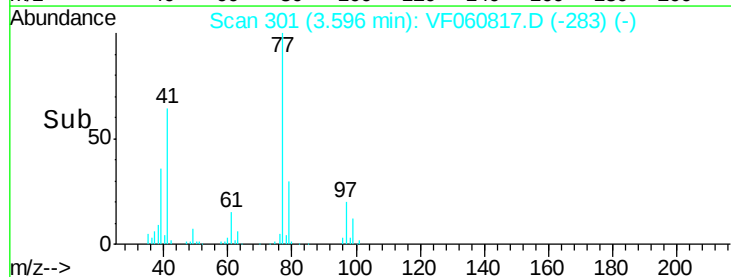
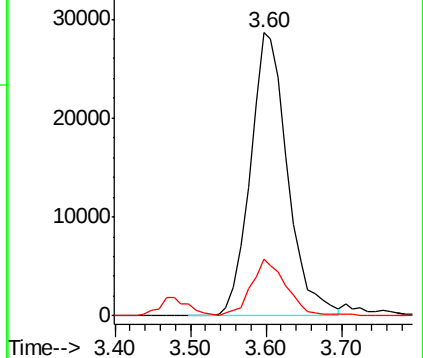
77 100

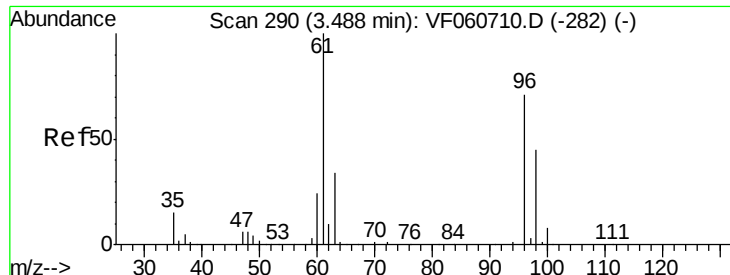
97 20.0 8.8 26.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 51.64 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

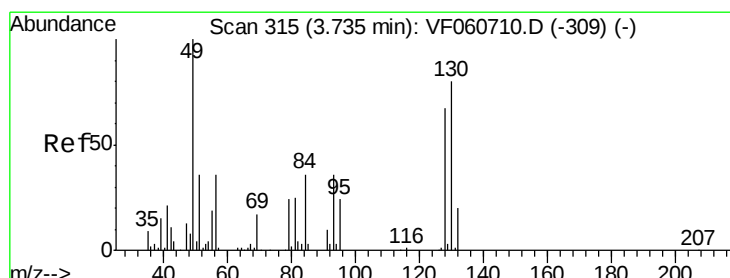
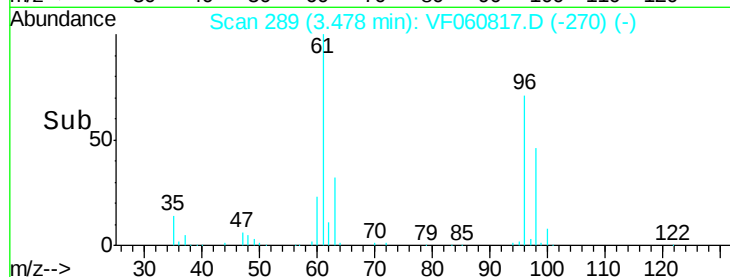
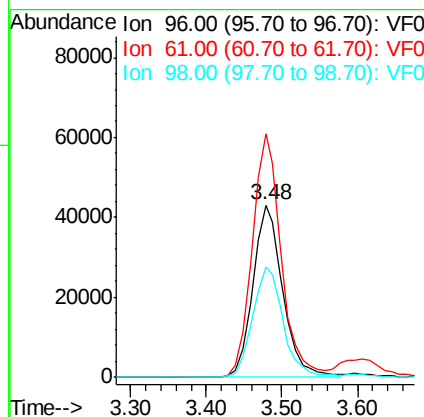
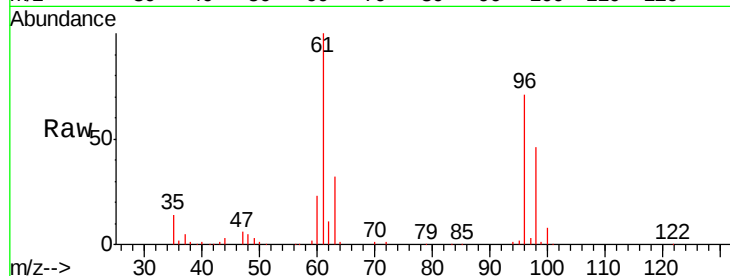
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	96	Resp:	118127
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	280.6
98	64.4	0.0	127.6

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#28

Bromochloromethane

Concen: 52.93 ug/l

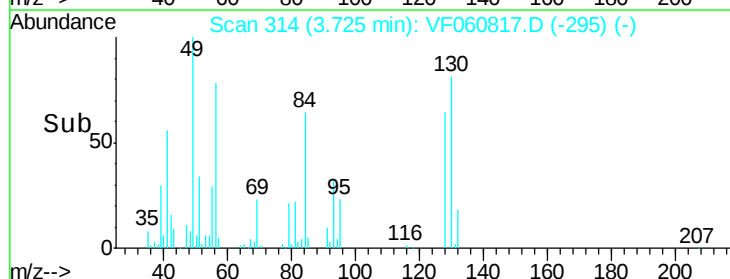
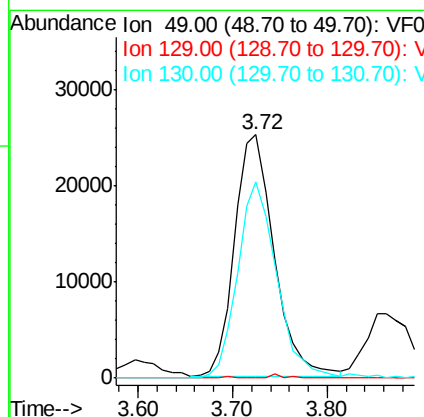
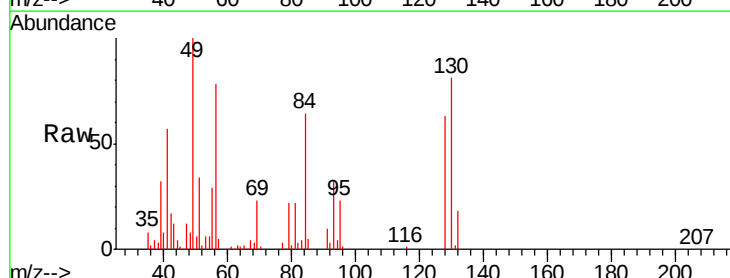
RT: 3.72 min Scan# 314

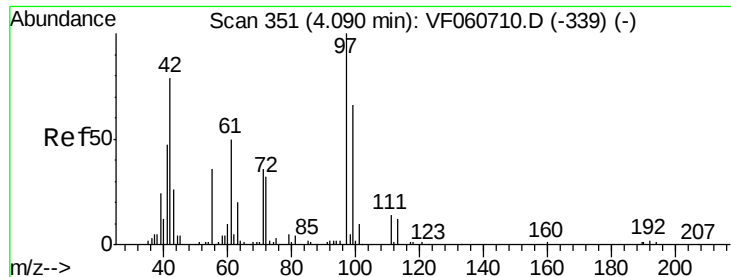
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	49	Resp:	72496
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	80.8	63.9	95.9





#29

Tetrahydrofuran

Concen: 341.62 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

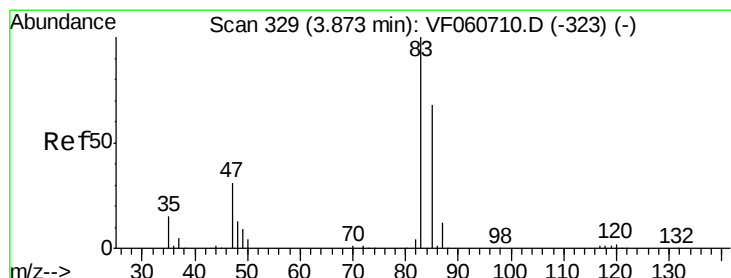
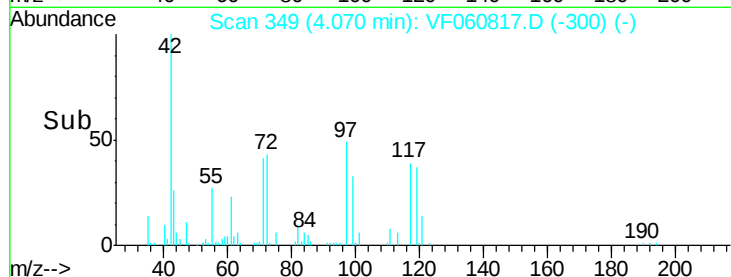
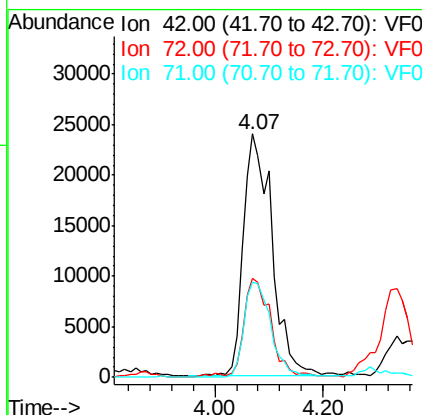
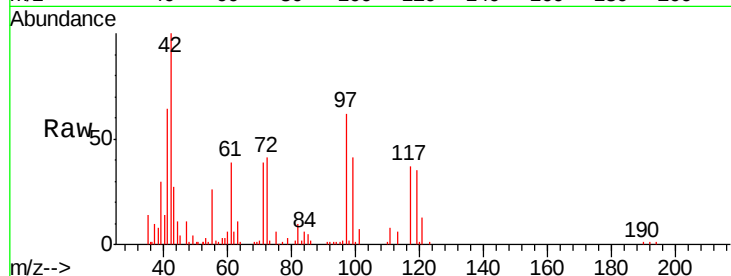
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	42	Resp:	89150
Ion Ratio		Lower	Upper
42	100		
72	38.1	30.3	45.5
71	37.1	32.2	48.2

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#30

Chloroform

Concen: 54.60 ug/l

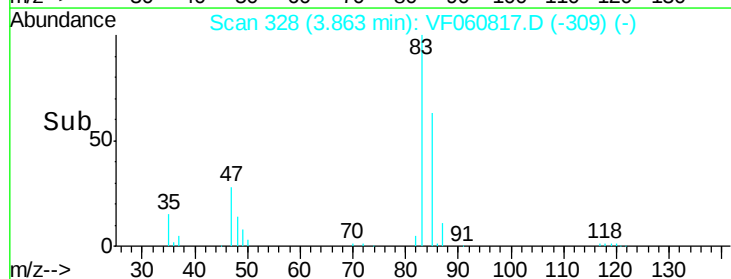
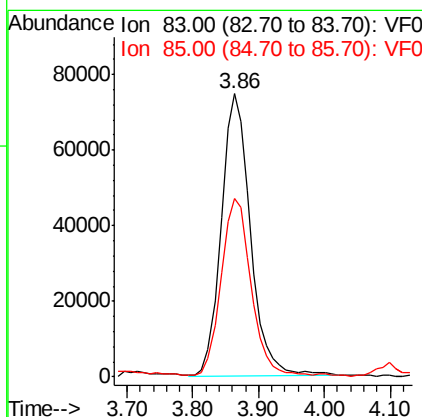
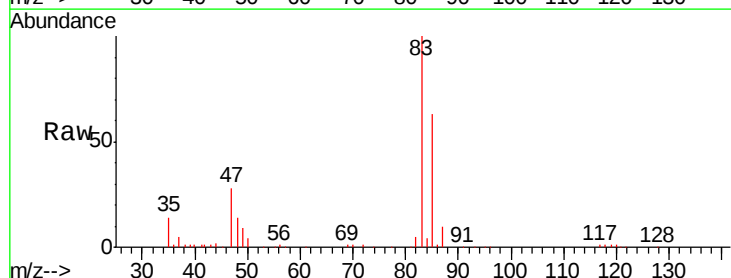
RT: 3.86 min Scan# 328

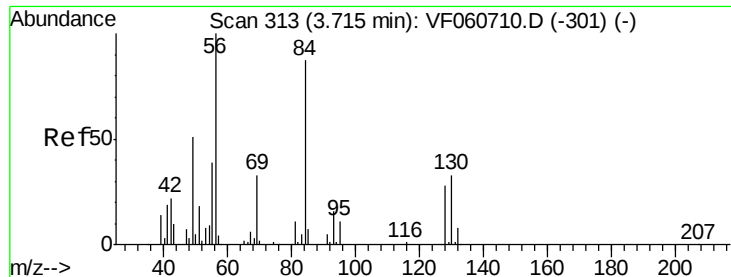
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	83	Resp:	230877
Ion Ratio		Lower	Upper
83	100		
85	63.2	54.6	82.0





#31

Cyclohexane

Concen: 45.92 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

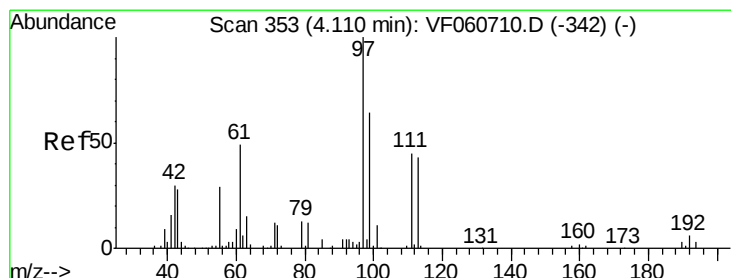
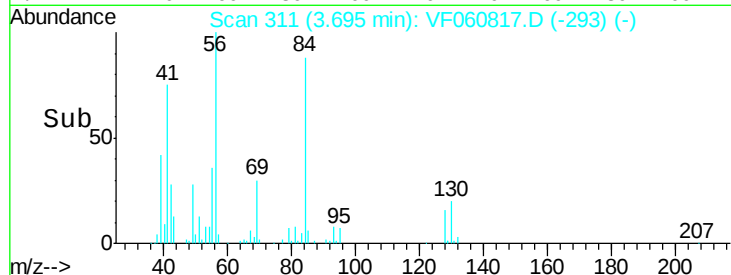
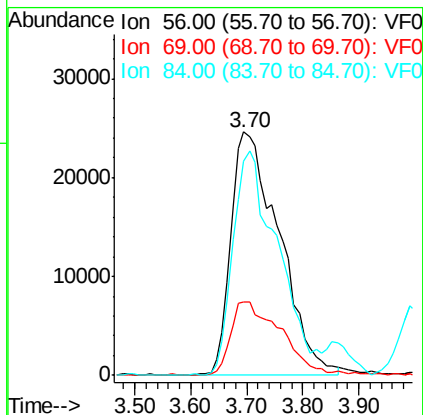
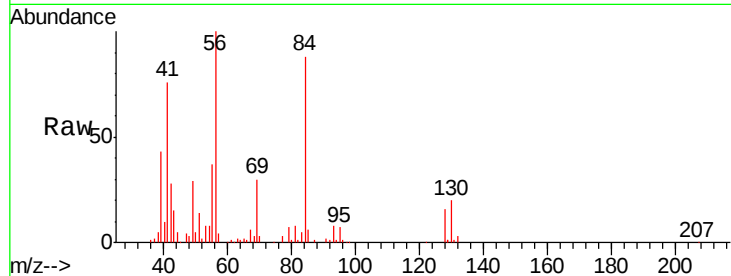
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	56	Resp:	146876
Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.0	39.0
84	87.9	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.77 ug/l

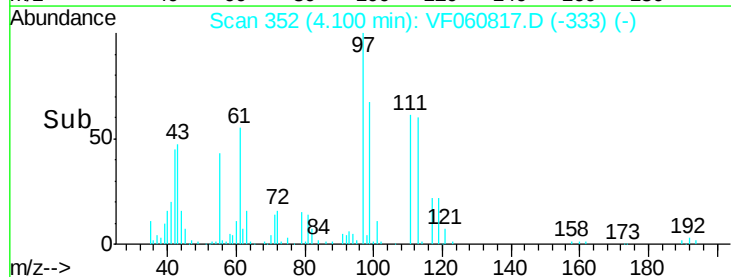
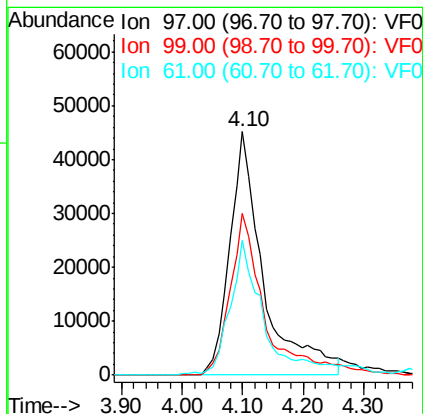
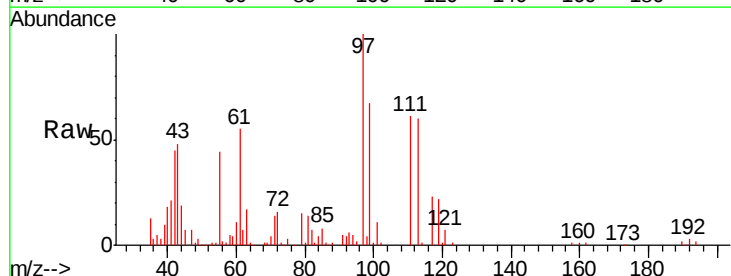
RT: 4.10 min Scan# 352

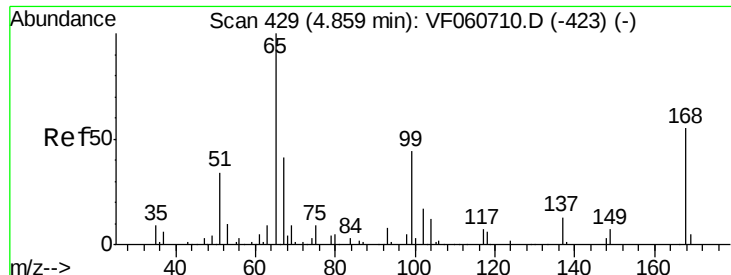
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	97	Resp:	175709
Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.1	76.7
61	55.2	40.1	60.1





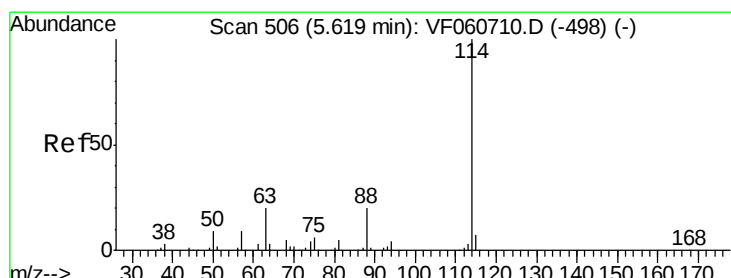
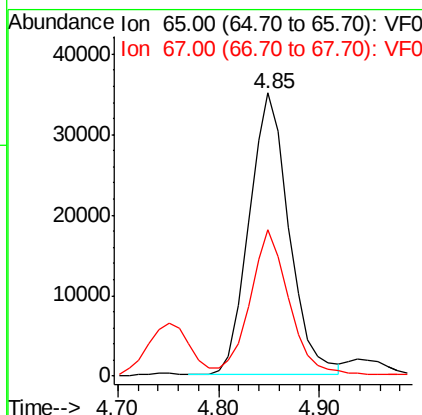
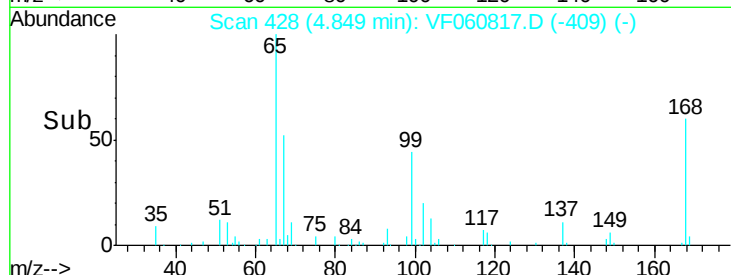
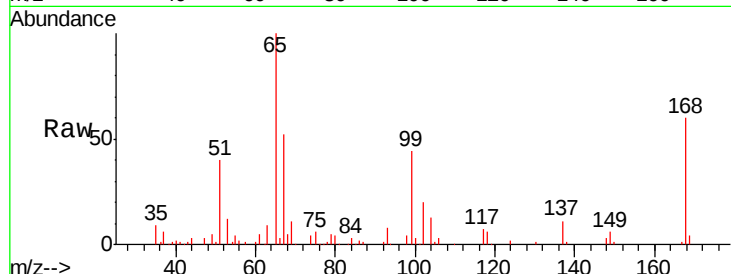
#33
 1,2-Dichloroethane-d4
 Concen: 53.17 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion: 65 Resp: 95684
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 90.2

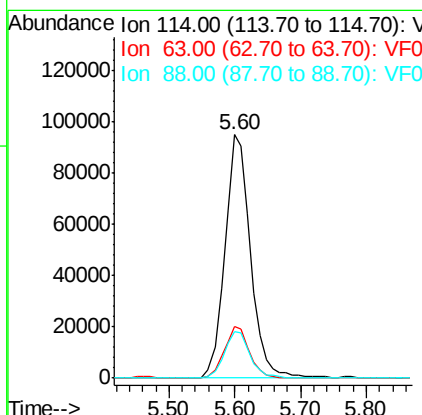
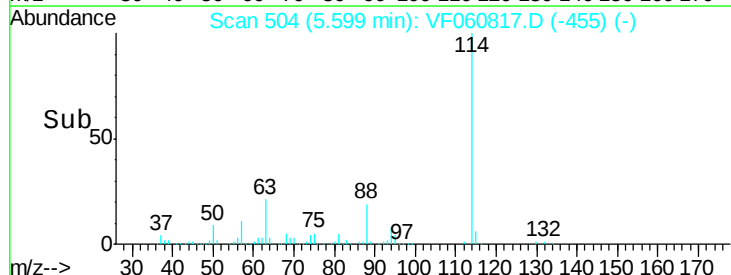
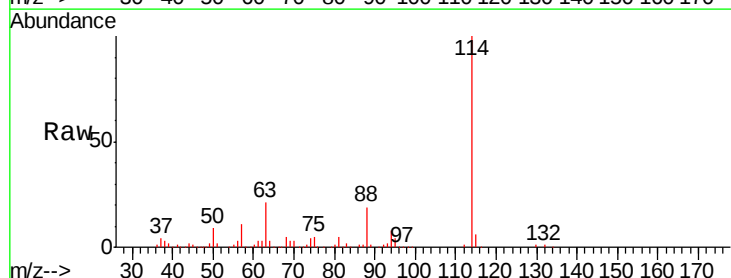
Manual Integrations
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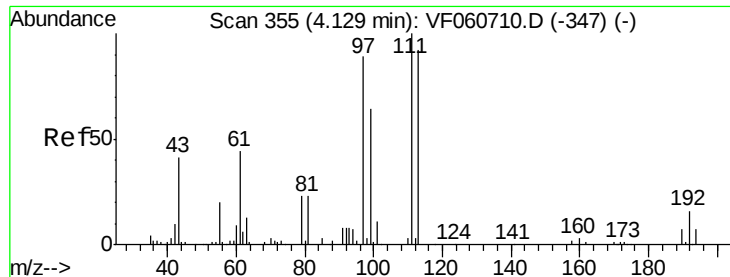
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion: 114 Resp: 259193
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 19.3 0.0 39.6





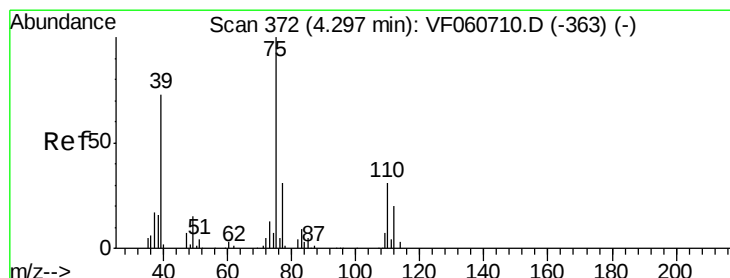
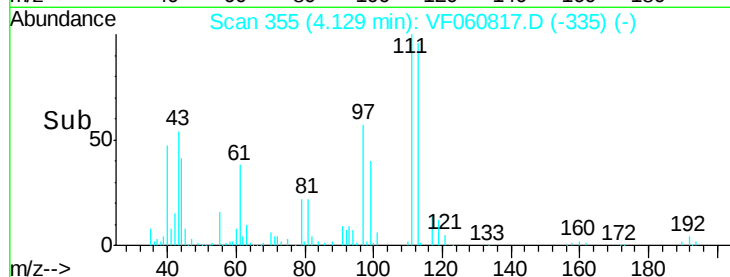
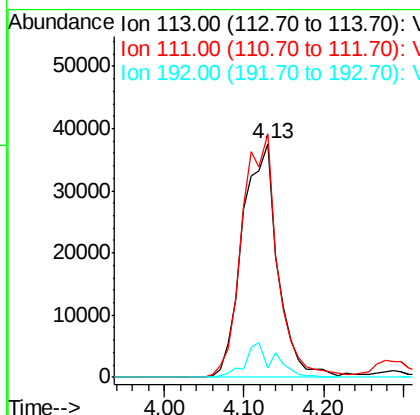
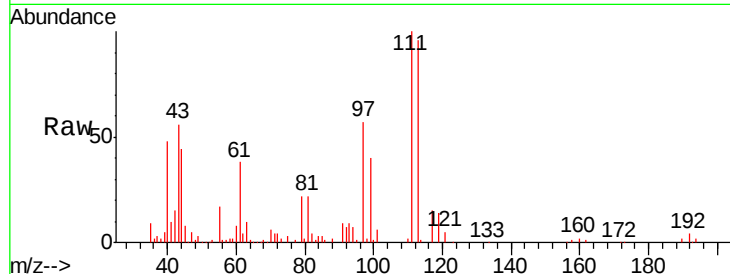
#35
Dibromofluoromethane
Concen: 59.05 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	115044		
111	104.3	87.1	130.7	
192	4.2	13.8	20.6	

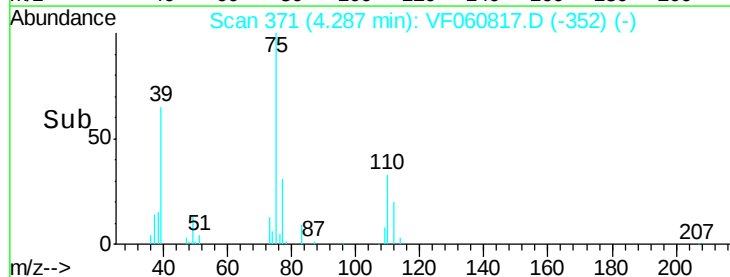
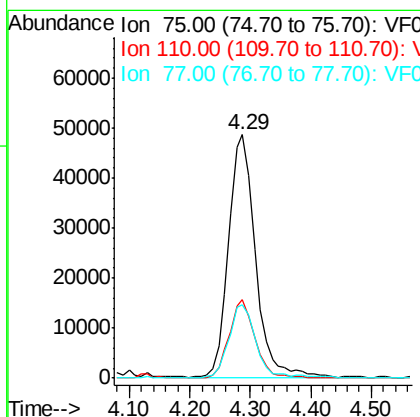
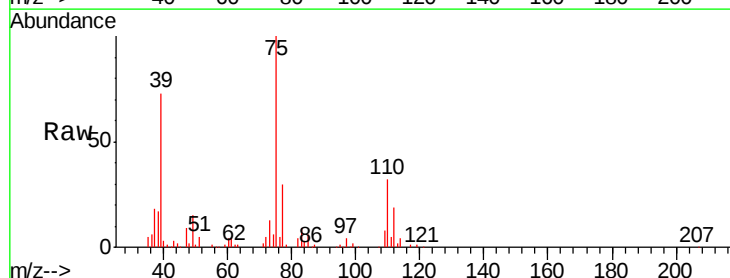
Manual Integrations
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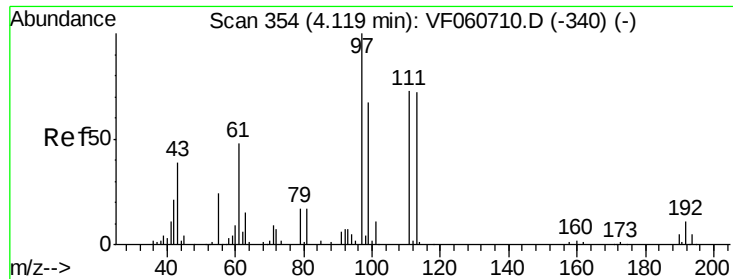
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#36
1,1-Dichloropropene
Concen: 49.85 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149860		
110	32.3	15.6	46.8	
77	30.2	25.0	37.6	





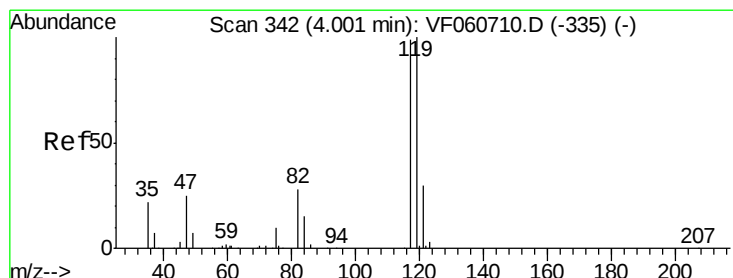
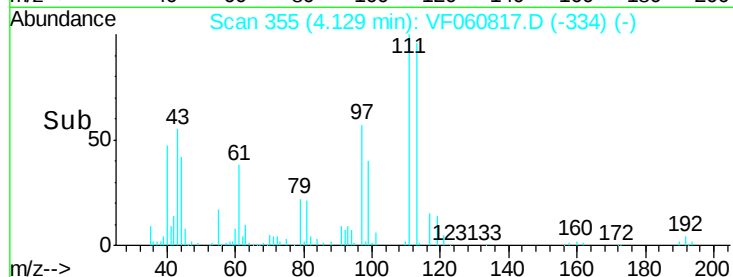
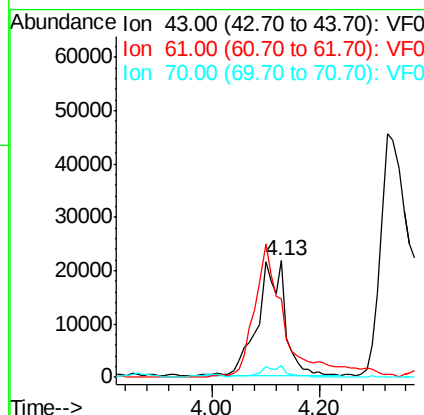
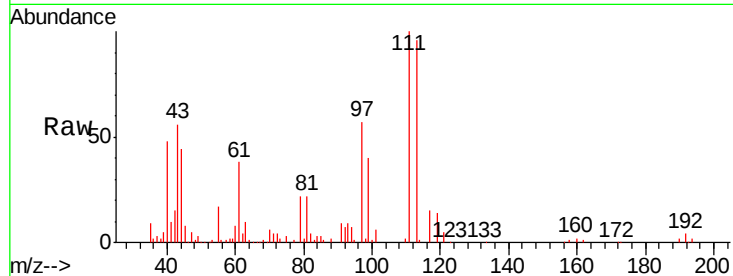
#37
Ethyl Acetate
Concen: 68.56 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
43	100		
61	67.6	98.5	147.7#
70	10.1	7.4	11.0

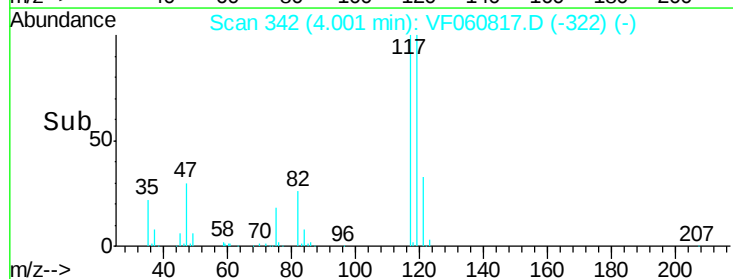
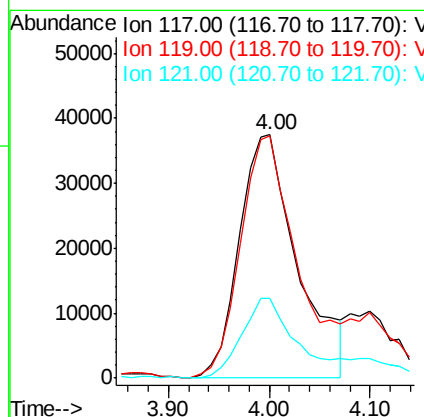
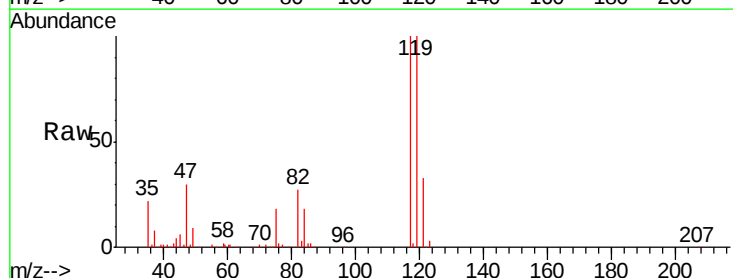
Manual Integrations
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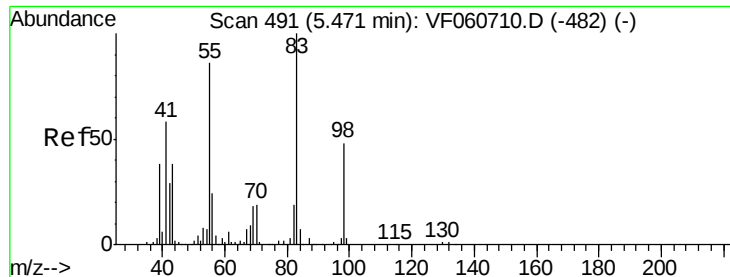
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#38
Carbon Tetrachloride
Concen: 51.66 ug/l
RT: 4.00 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	80.7	121.1
121	32.7	24.3	36.5





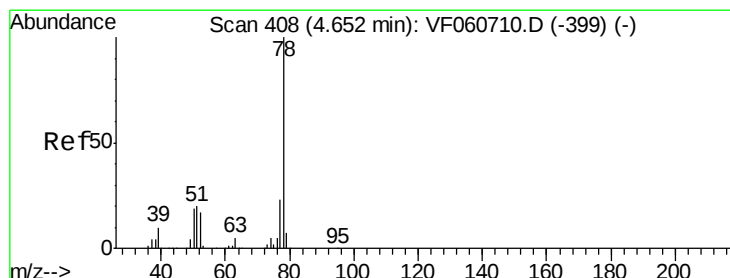
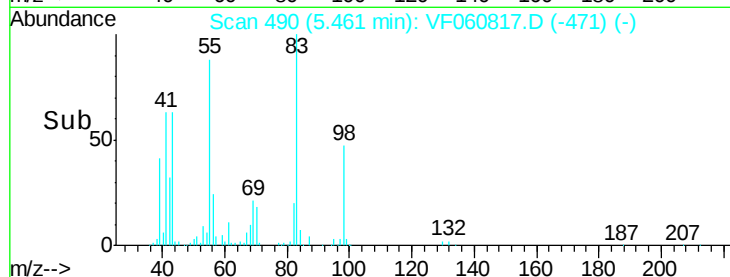
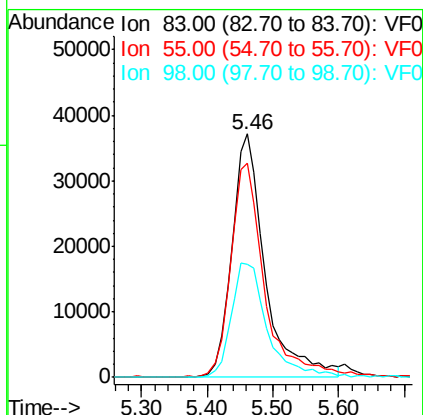
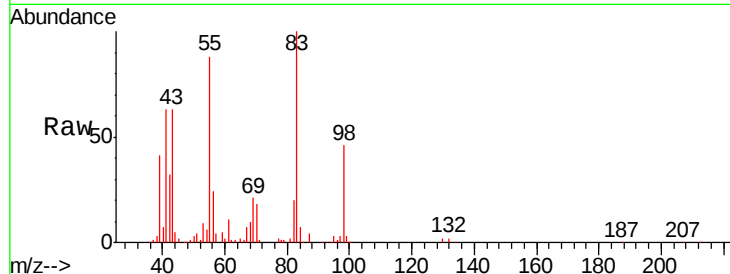
#39
Methylcyclohexane
Concen: 37.80 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.1	69.0	103.4
98	46.4	38.5	57.7

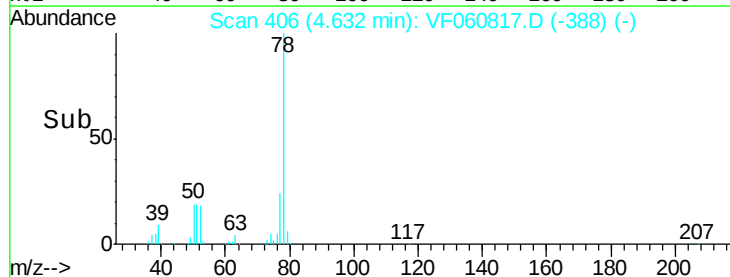
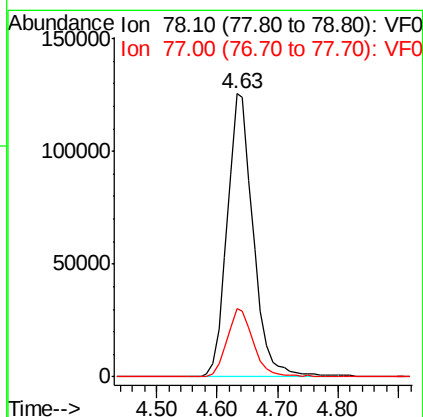
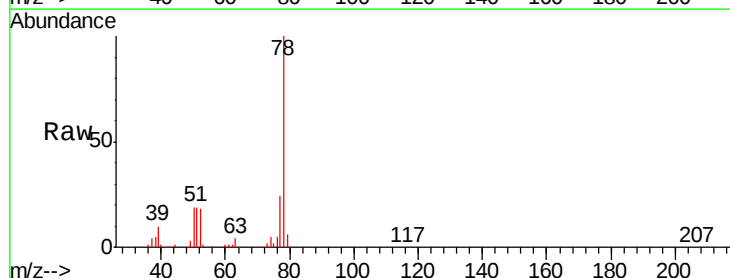
Manual Integrations
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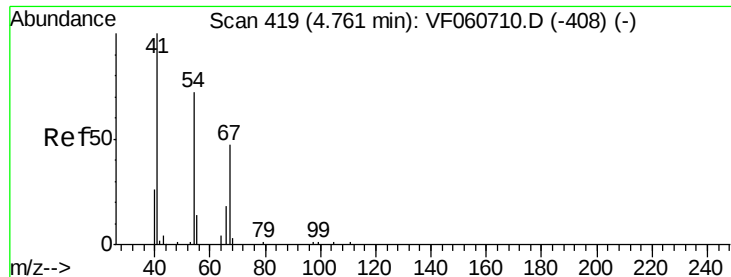
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#40
Benzene
Concen: 56.03 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





#41

Methacrylonitrile

Concen: 67.57 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

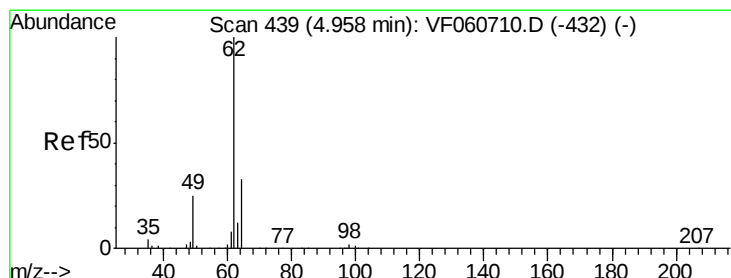
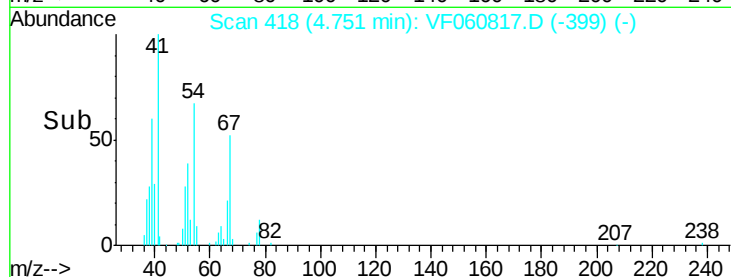
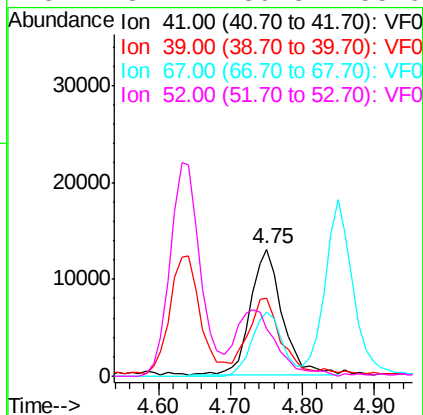
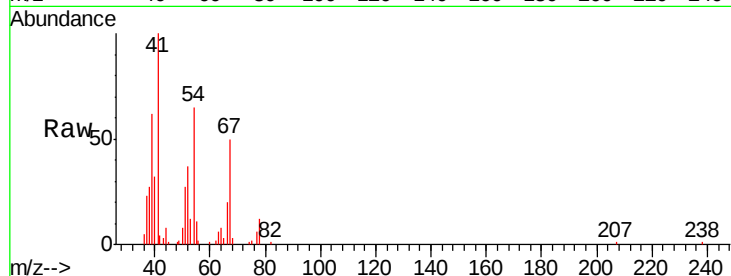
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.8	47.1	70.7	
67	50.1	37.1	55.7	
52	37.4	39.3	58.9	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.64 ug/l

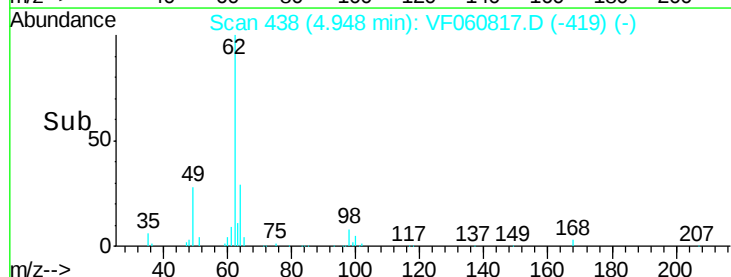
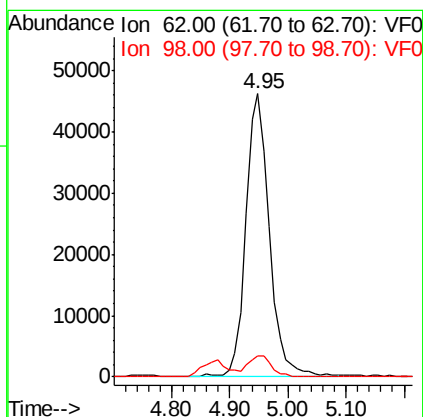
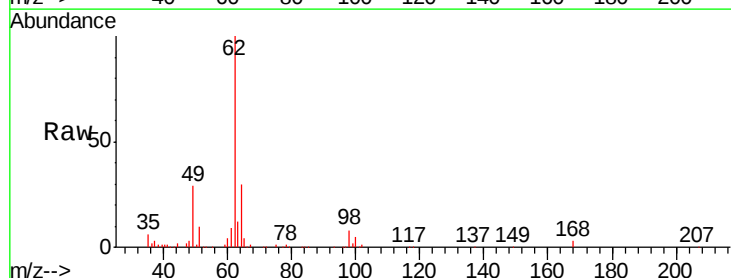
RT: 4.95 min Scan# 438

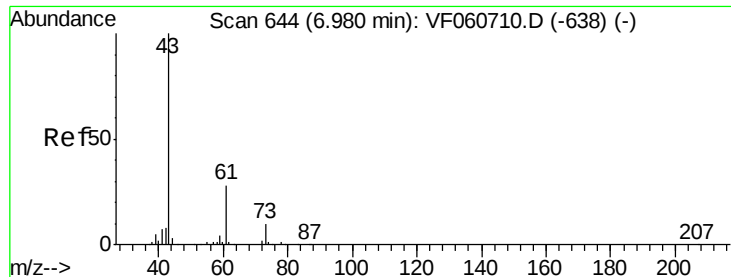
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	0.0	16.6	





#43

Isopropyl Acetate

Concen: 53.48 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

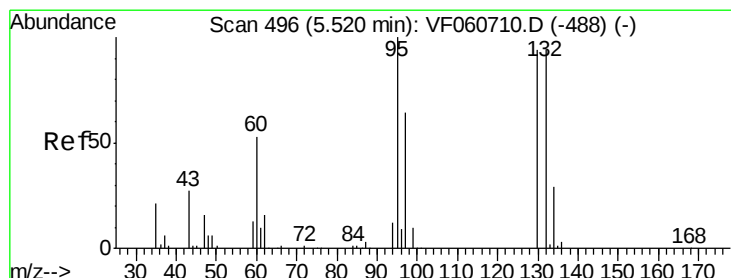
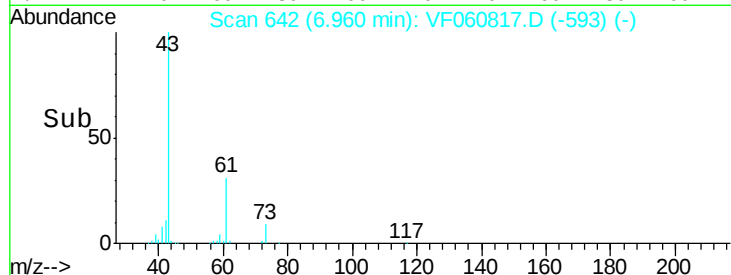
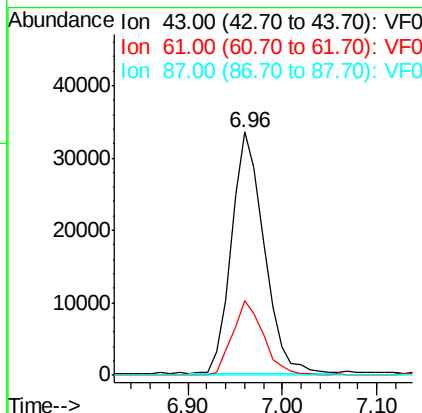
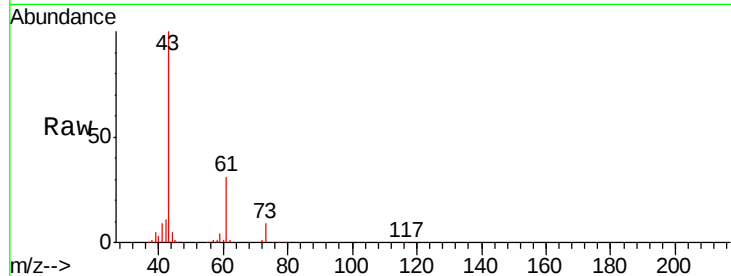
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	43	Resp:	79250
Ion Ratio	Lower	Upper	
43	100		
61	30.7	22.2	33.4
87	0.0	0.4	0.6#

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#44

Trichloroethene

Concen: 47.33 ug/l

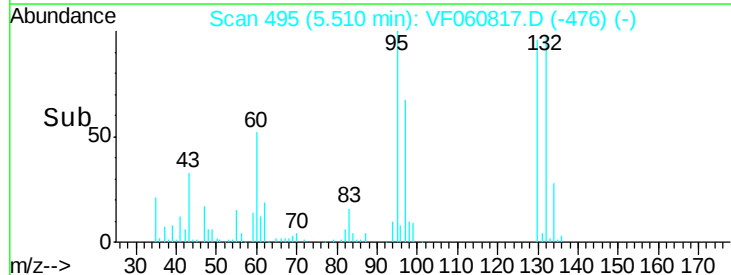
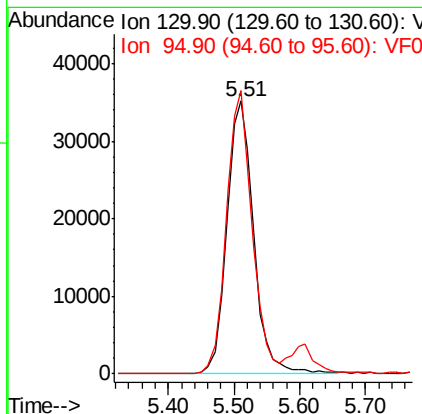
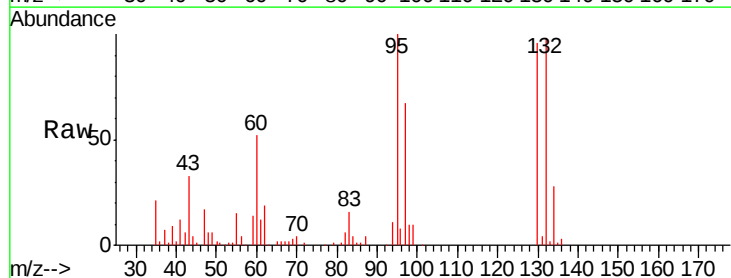
RT: 5.51 min Scan# 495

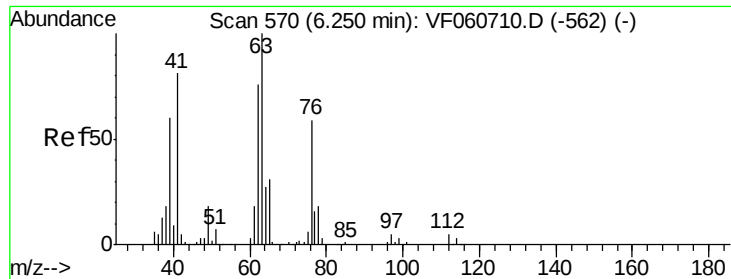
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	130	Resp:	100057
Ion Ratio	Lower	Upper	
130	100		
95	103.7	0.0	212.6





#45

1,2-Dichloropropane

Concen: 57.63 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 63 Resp: 100488

Ion Ratio Lower Upper

63 100

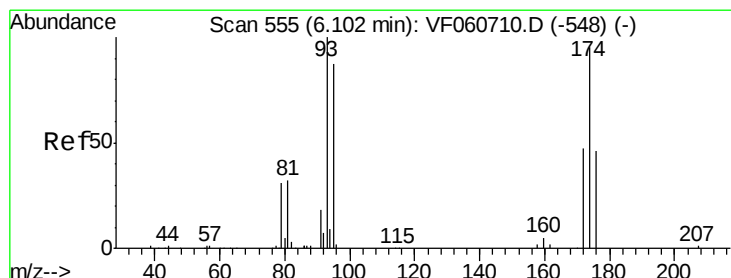
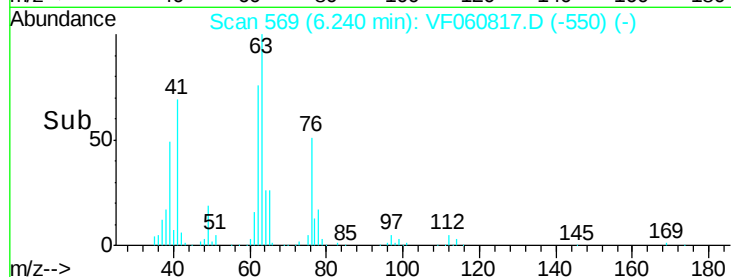
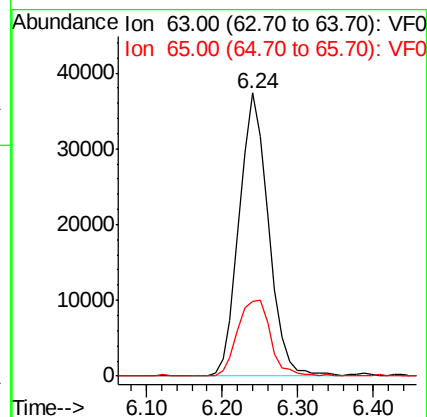
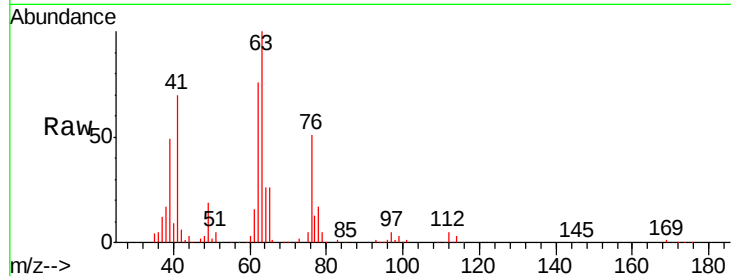
65 26.4 24.6 36.8

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#46

Dibromomethane

Concen: 53.03 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

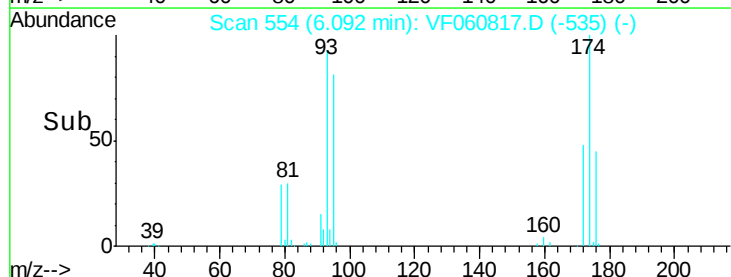
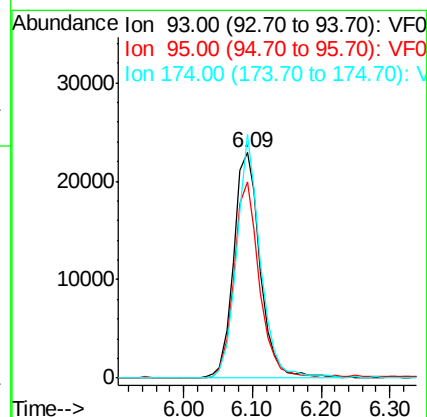
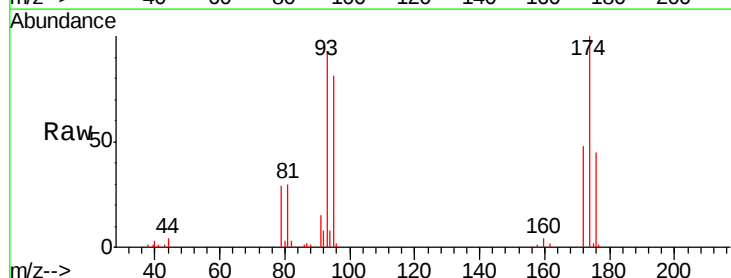
Tgt Ion: 93 Resp: 61037

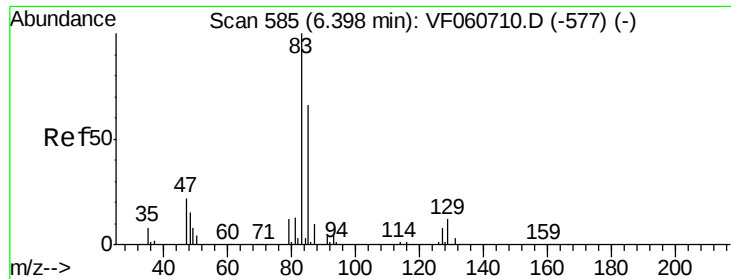
Ion Ratio Lower Upper

93 100

95 87.3 69.5 104.3

174 108.1 76.2 114.2





#47

Bromodichloromethane

Concen: 54.42 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

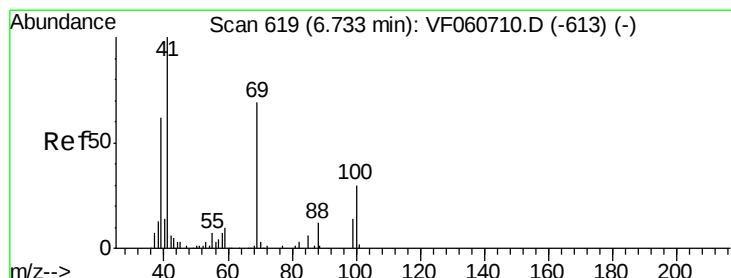
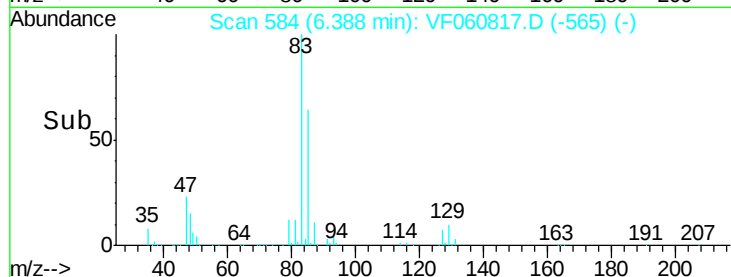
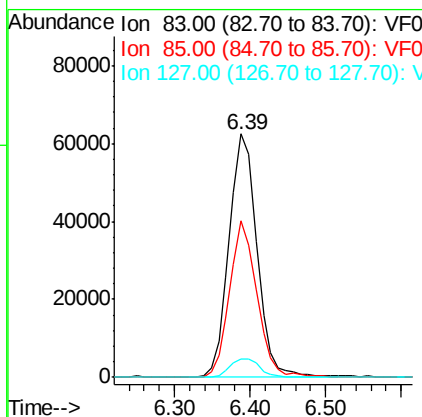
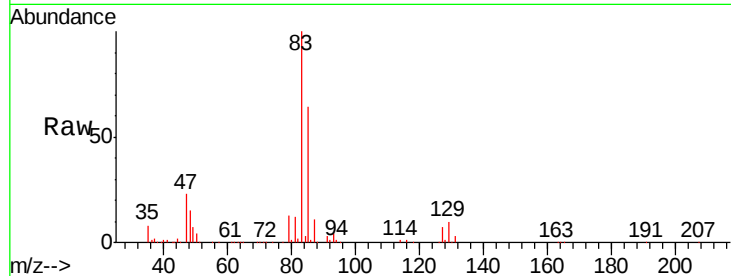
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	83	Resp:	159942
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6
127	7.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 63.16 ug/l

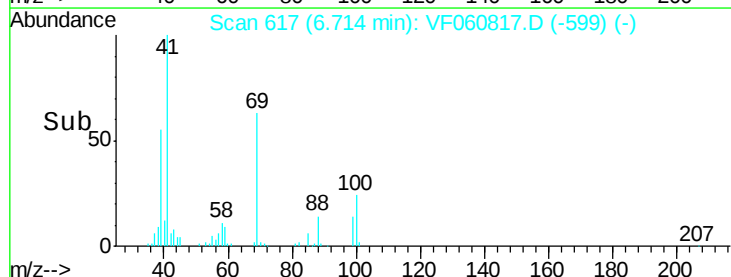
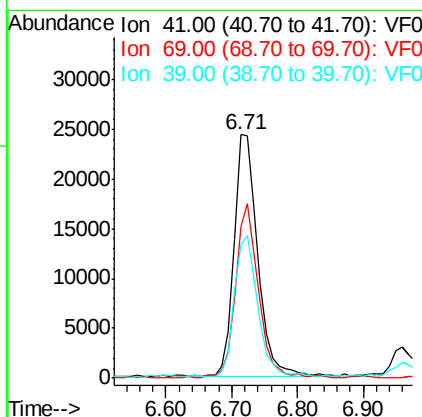
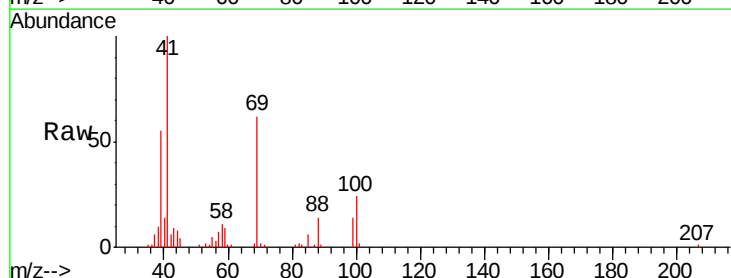
RT: 6.71 min Scan# 617

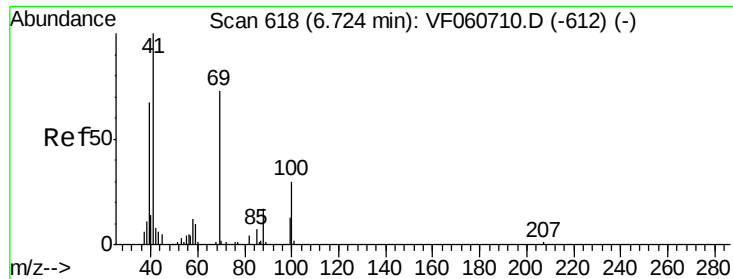
Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	41	Resp:	61936
Ion	Ratio	Lower	Upper
41	100		
69	62.1	54.9	82.3
39	54.9	49.6	74.4





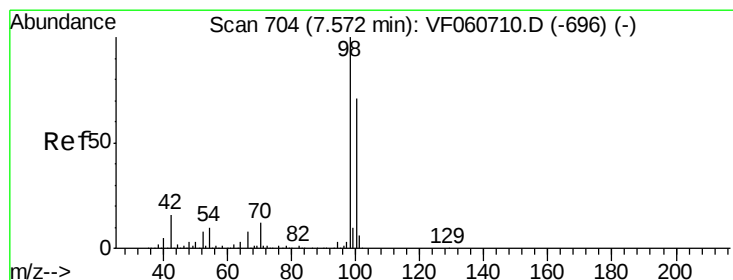
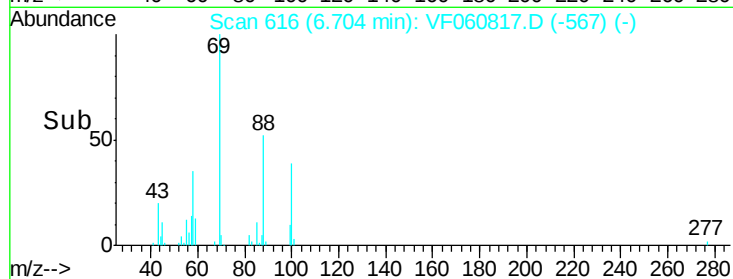
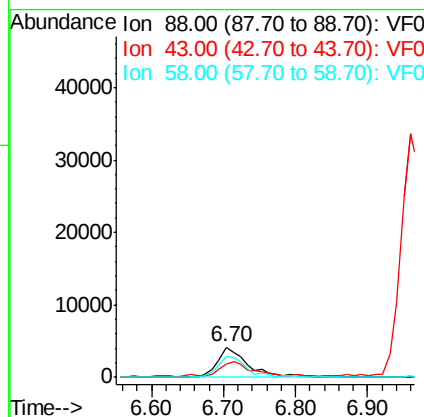
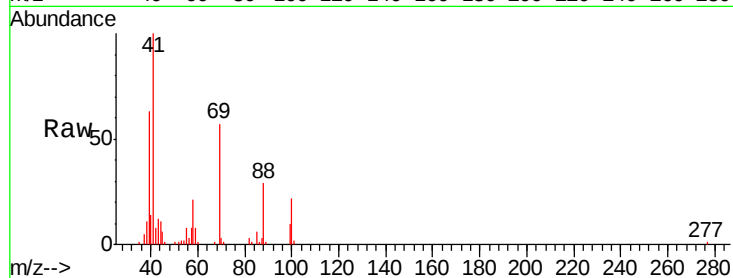
#49
1,4-Dioxane
Concen: 1311.89 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.02 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.2	44.6	66.8#
58	70.0	54.5	81.7

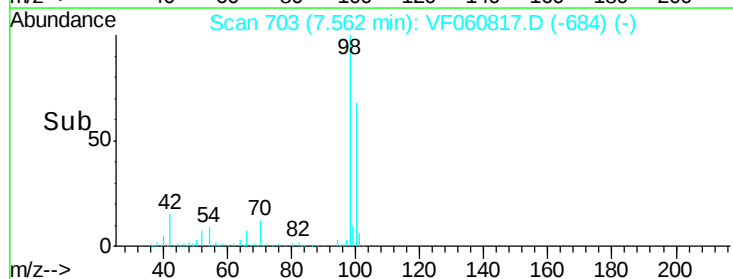
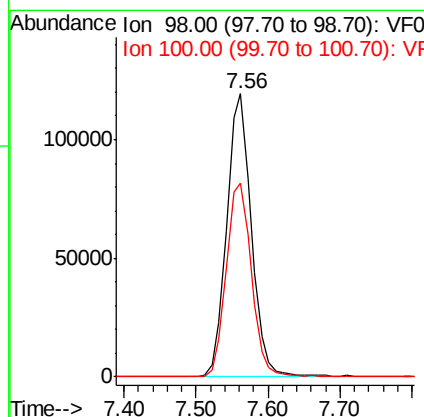
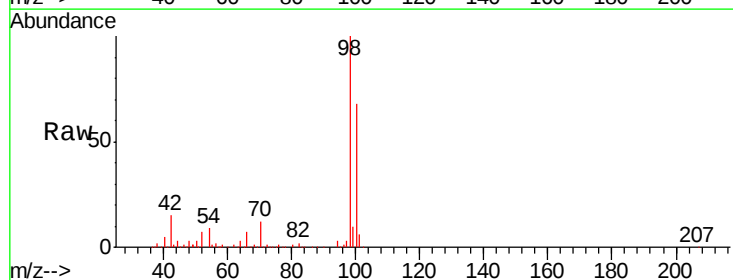
Manual Integrations
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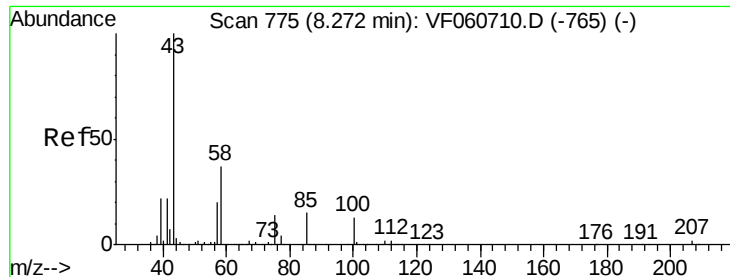
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#50
Toluene-d8
Concen: 57.23 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 320.37 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 43 Resp: 343331

Ion Ratio Lower Upper

43 100

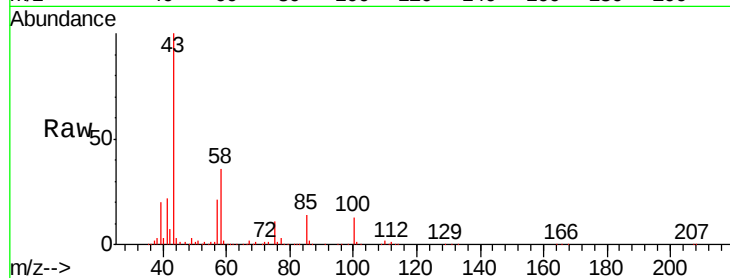
58 36.1 29.2 43.8

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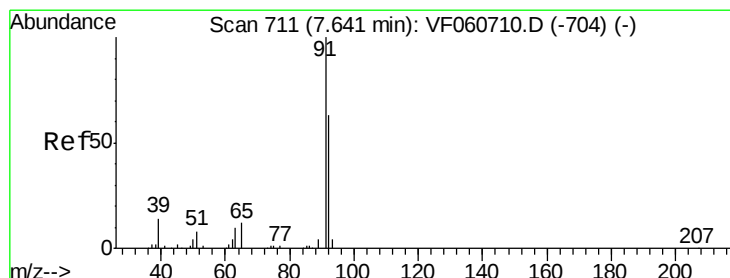
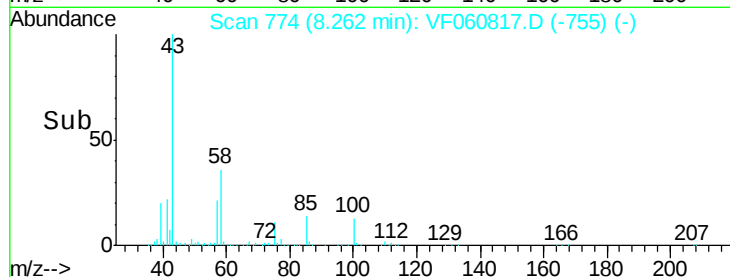
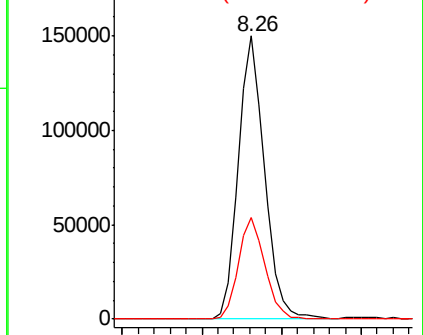
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.97 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060817.D

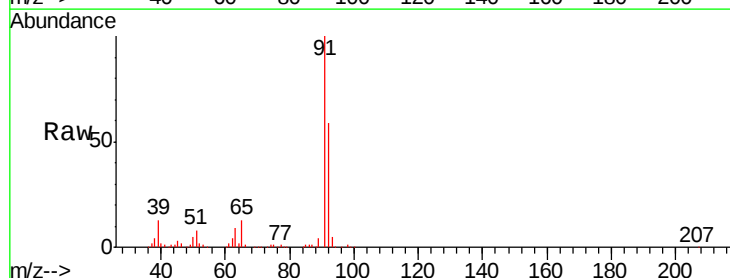
Acq: 20 Nov 2018 22:02

Tgt Ion: 92 Resp: 219889

Ion Ratio Lower Upper

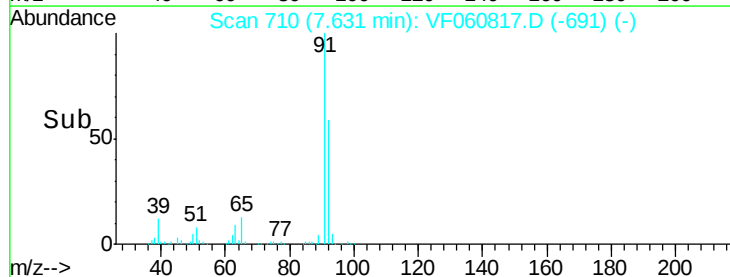
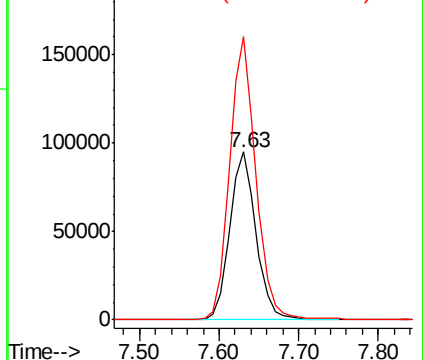
92 100

91 168.9 126.7 190.1



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: 47.51 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 75 Resp: 111858

Ion Ratio Lower Upper

75 100

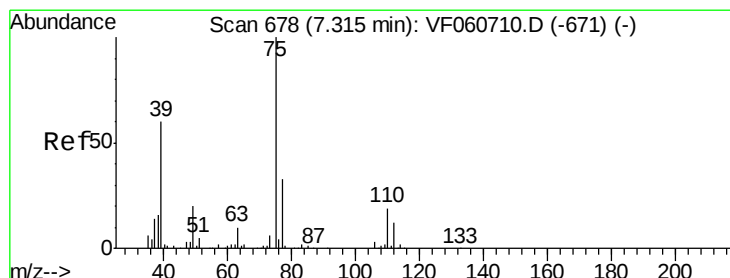
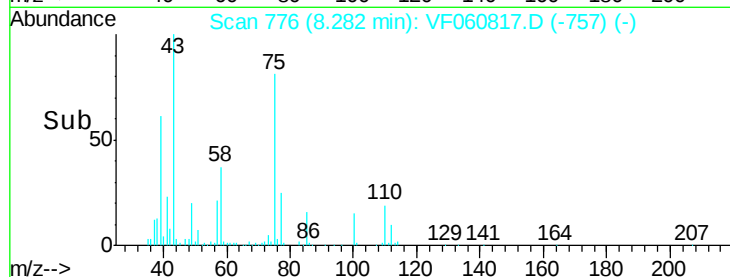
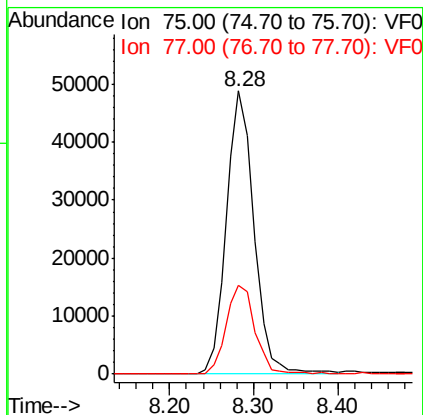
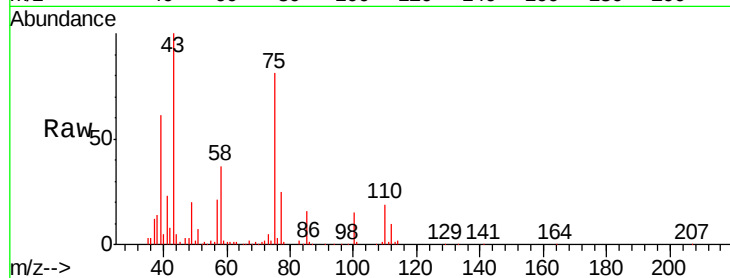
77 31.2 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 49.29 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

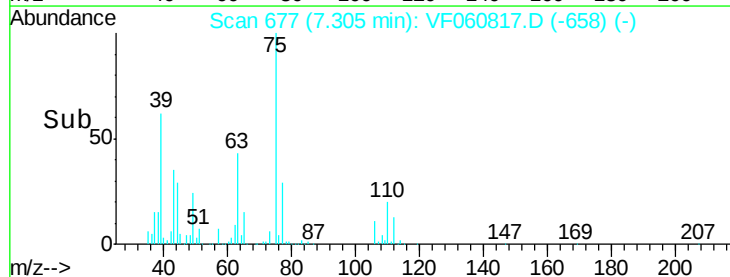
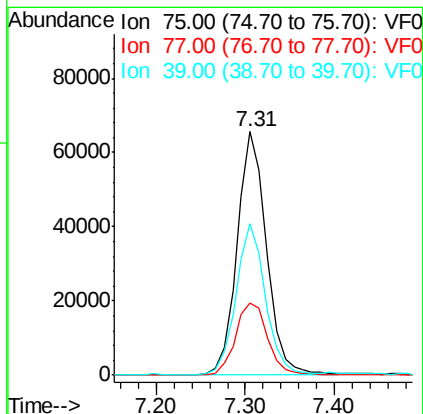
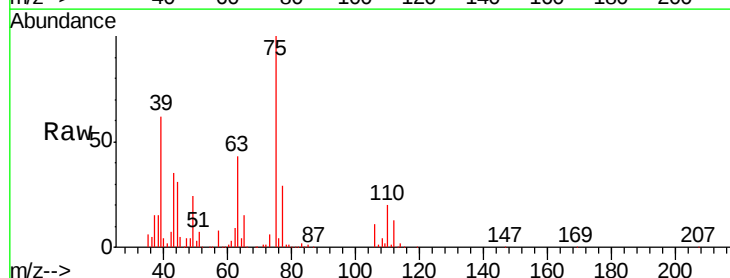
Tgt Ion: 75 Resp: 150739

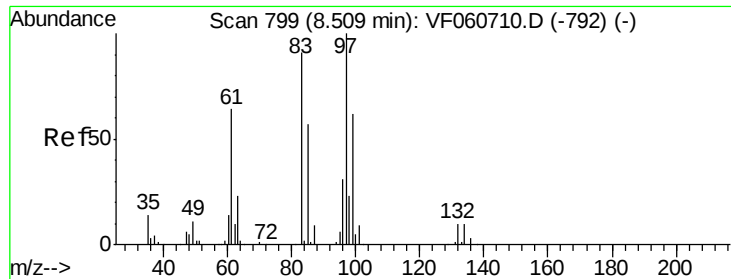
Ion Ratio Lower Upper

75 100

77 29.4 26.5 39.7

39 62.1 48.5 72.7





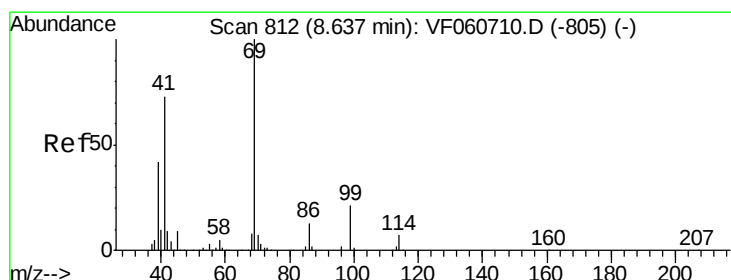
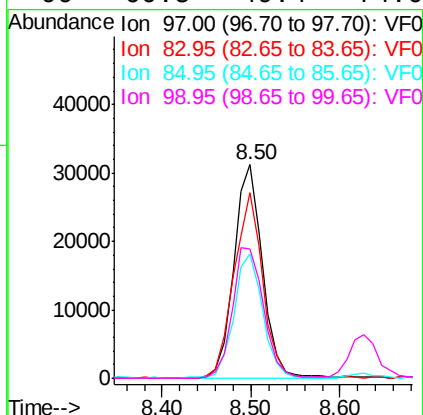
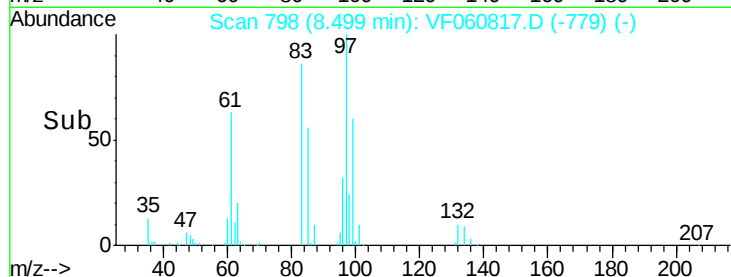
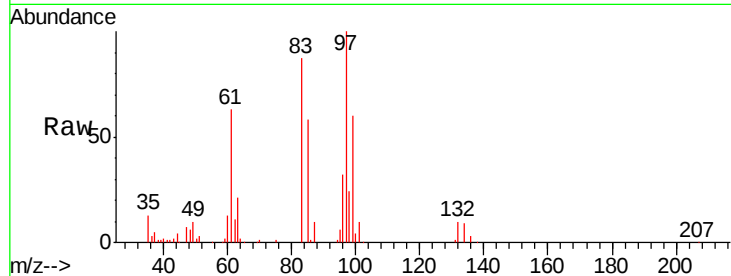
#55
 1,1,2-Trichloroethane
 Concen: 54.41 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	72.8	109.2
85	58.2	45.8	68.6
99	60.5	49.4	74.0

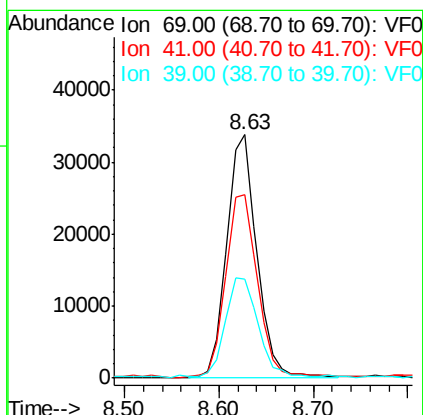
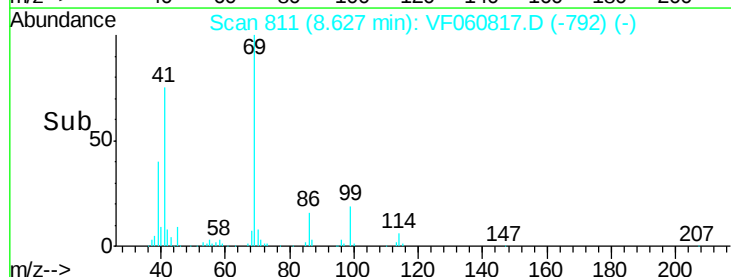
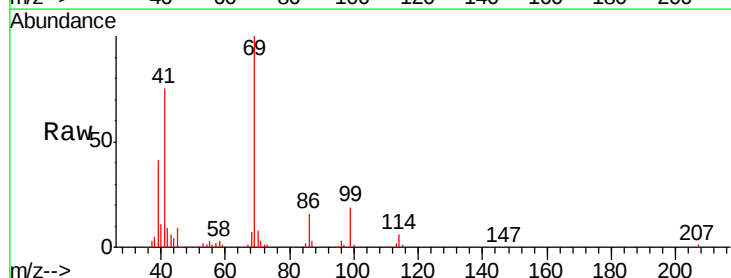
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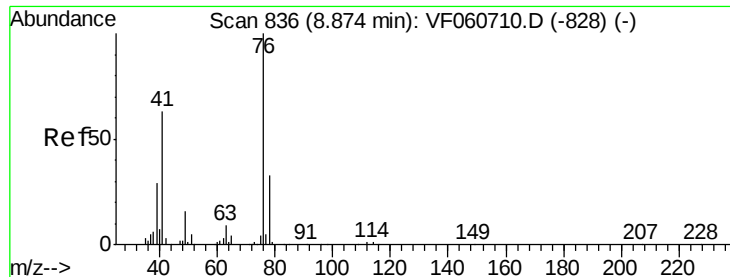
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#56
 Ethyl methacrylate
 Concen: 51.29 ug/l
 RT: 8.63 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.0	88.6
39	40.5	34.0	51.0





#57

1,3-Dichloropropane

Concen: 55.13 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 76 Resp: 122572

Ion Ratio Lower Upper

76 100

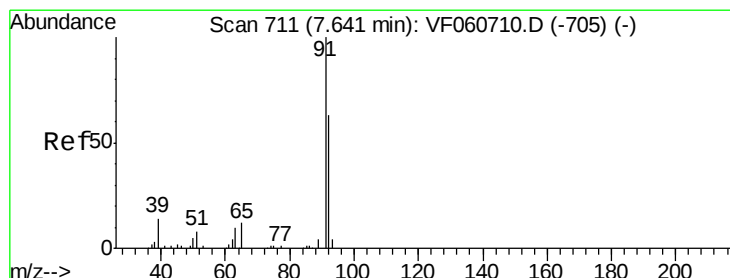
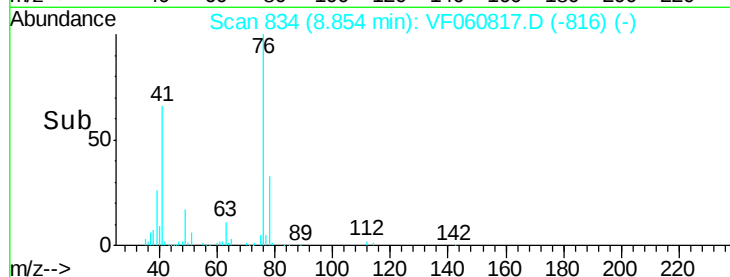
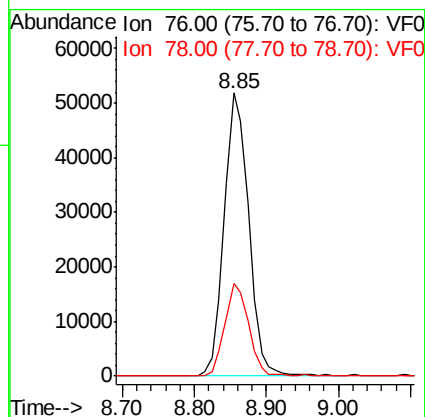
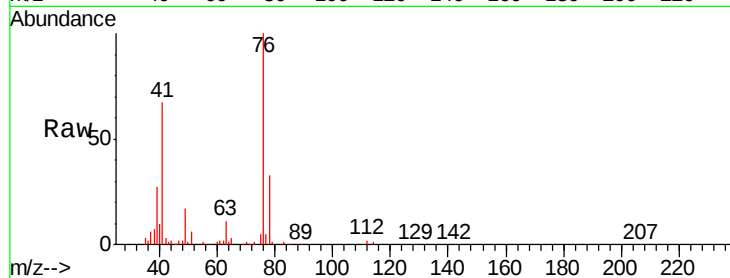
78 32.5 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 243.43 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060817.D

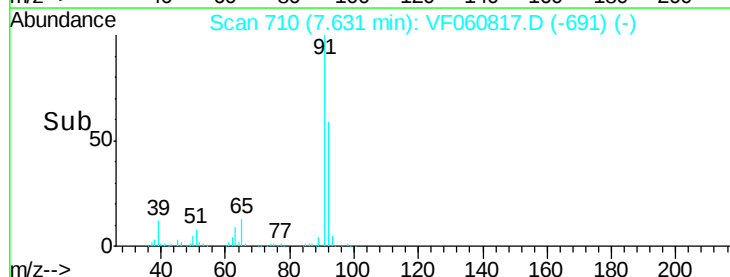
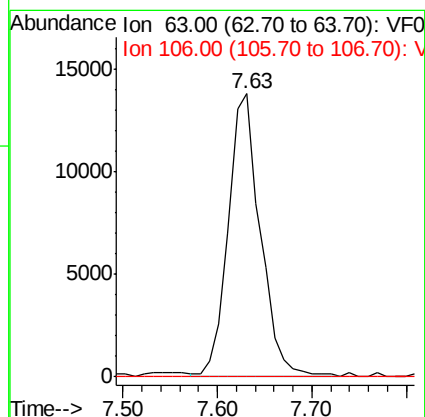
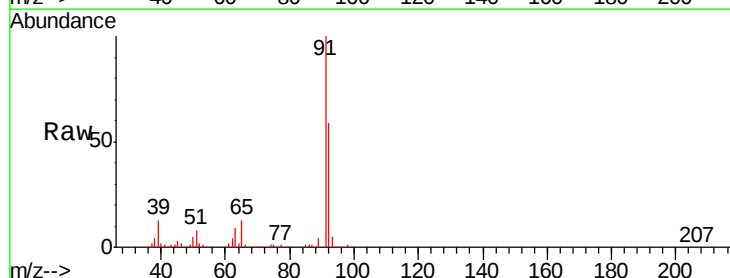
Acq: 20 Nov 2018 22:02

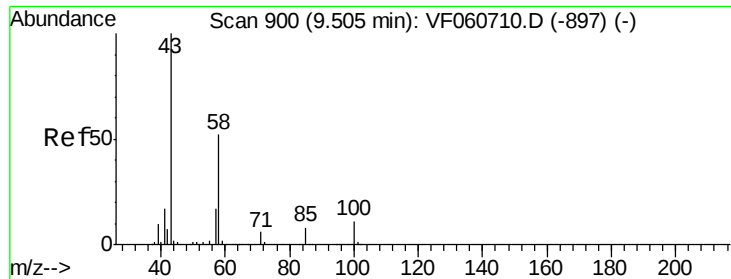
Tgt Ion: 63 Resp: 32402

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





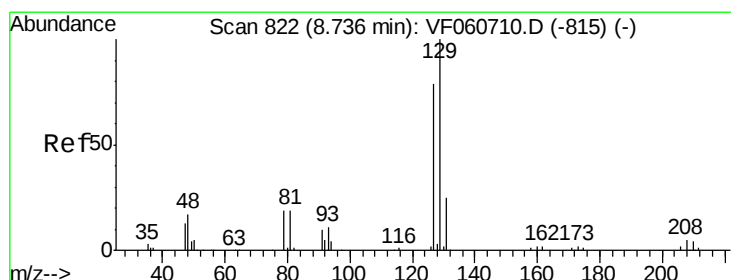
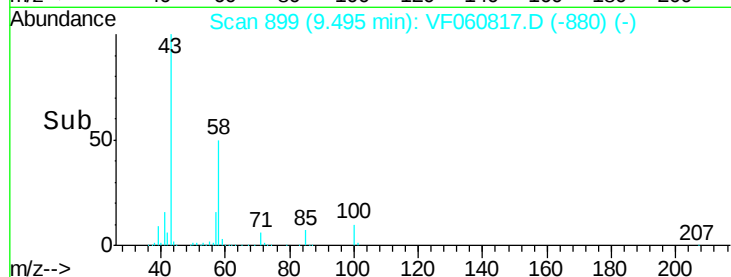
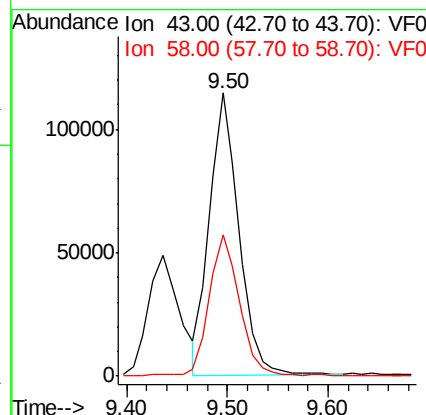
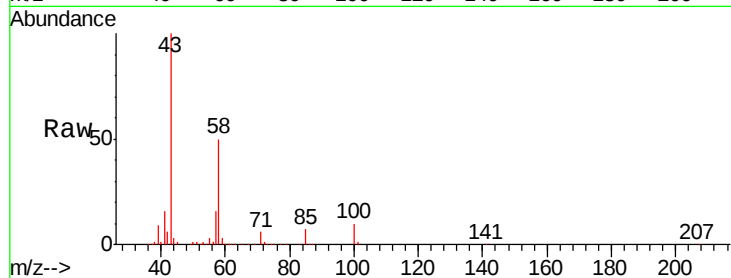
#59
2-Hexanone
Concen: 306.45 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion: 43 Resp: 230798
Ion Ratio Lower Upper
43 100
58 49.8 24.9 74.7

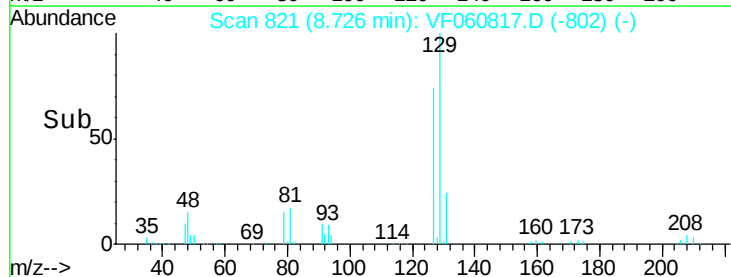
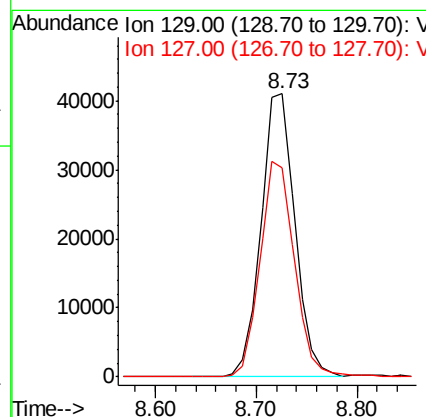
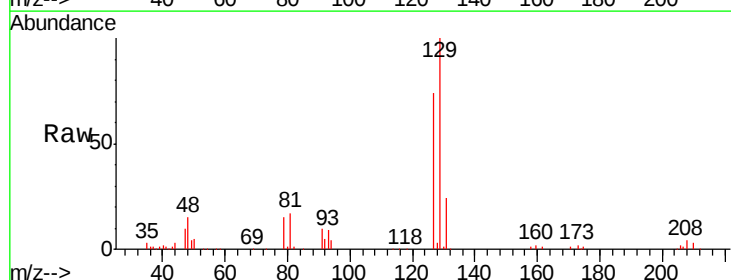
Manual Integrations
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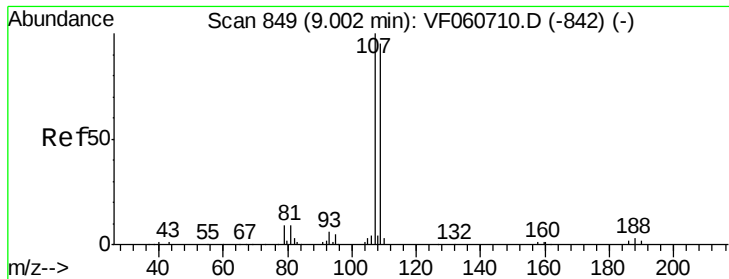
apatel
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#60
Dibromochloromethane
Concen: 52.54 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion: 129 Resp: 96074
Ion Ratio Lower Upper
129 100
127 74.1 39.7 119.1





#61

1,2-Dibromoethane

Concen: 52.05 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 107 Resp: 70230

Ion Ratio Lower Upper

107 100

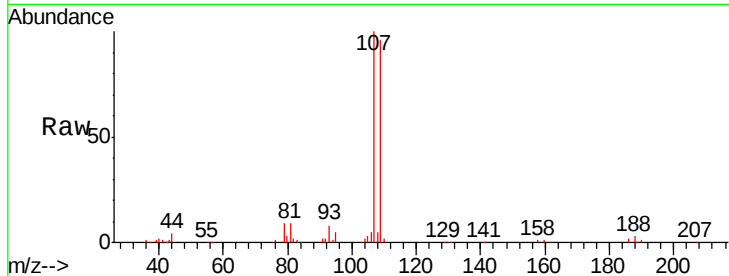
109 96.3 75.9 113.9

Manual Integrations

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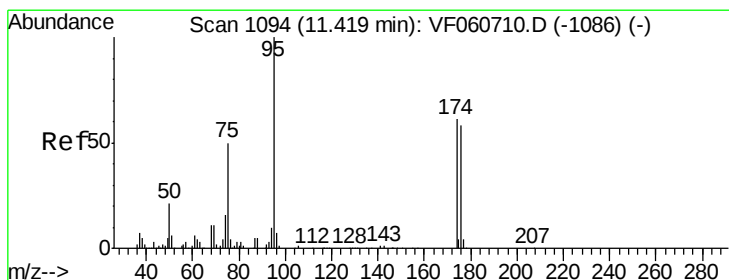
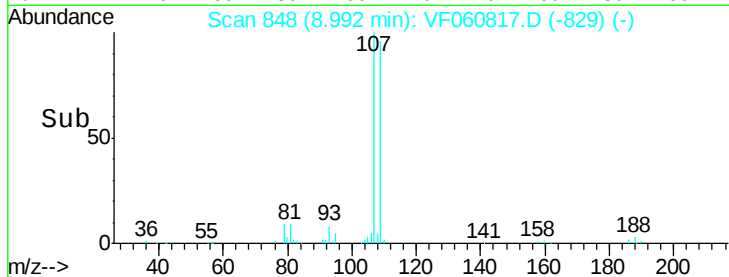
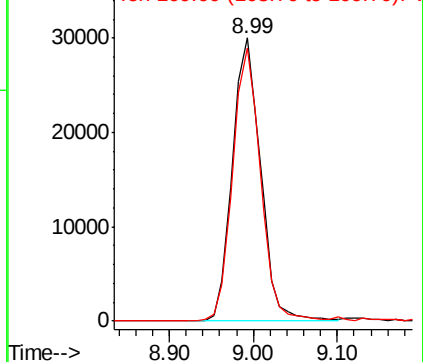
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.65 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

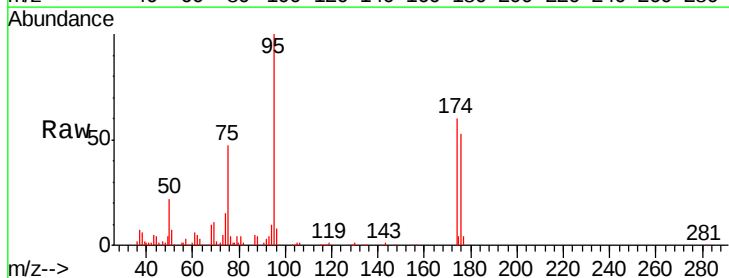
Tgt Ion: 95 Resp: 106072

Ion Ratio Lower Upper

95 100

174 59.5 0.0 121.6

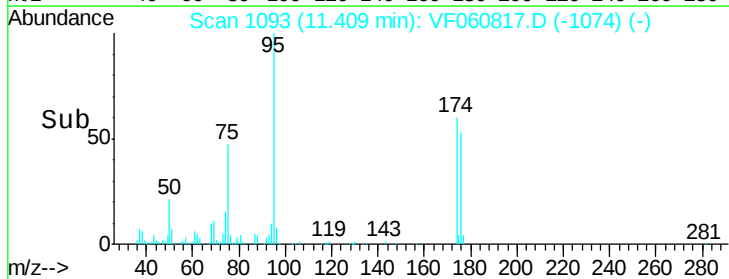
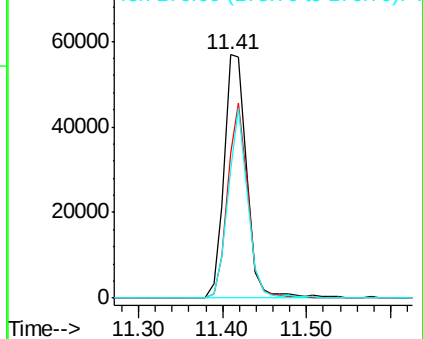
176 52.8 0.0 115.2

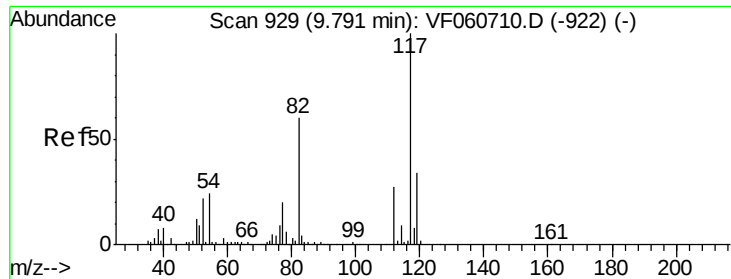


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





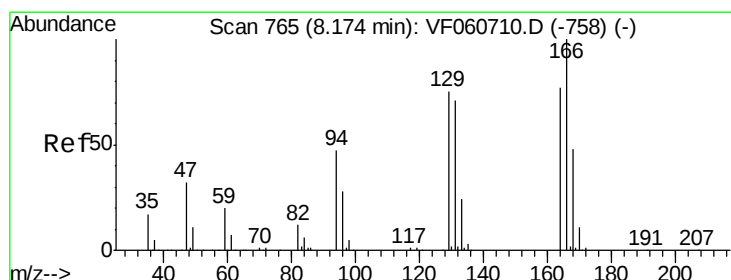
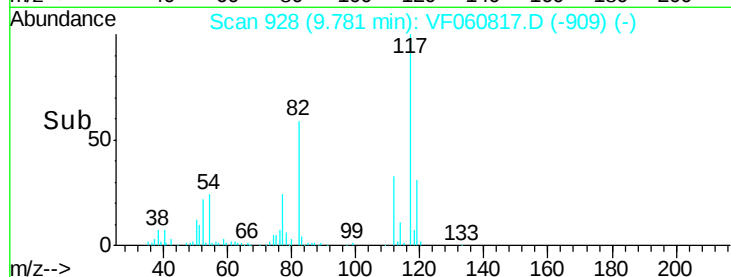
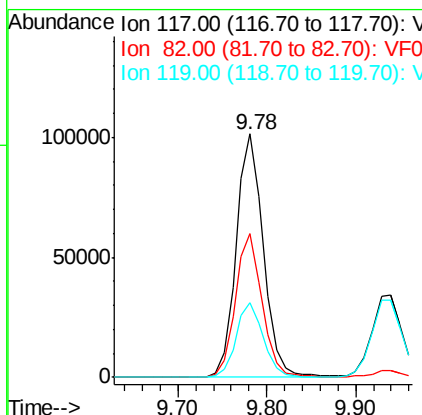
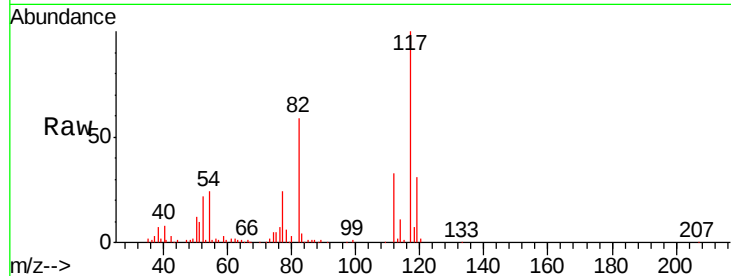
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	215113		
82	58.9	47.9	71.9	
119	30.7	26.8	40.2	

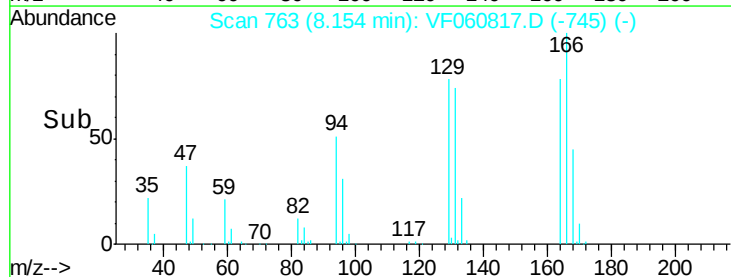
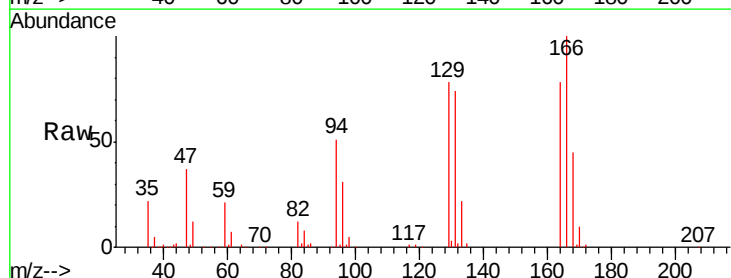
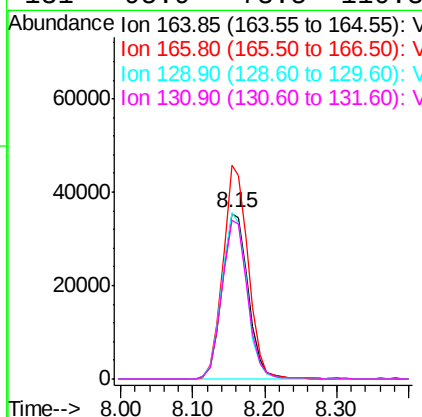
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#64
Tetrachloroethene
Concen: 52.07 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88693		
166	129.0	103.5	155.3	
129	100.7	77.4	116.2	
131	95.9	73.5	110.3	





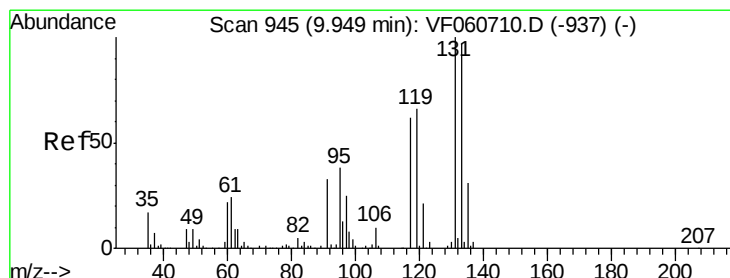
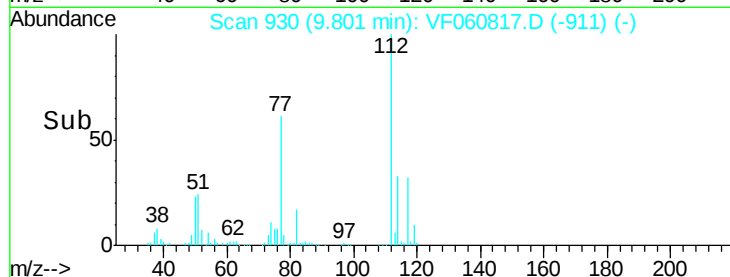
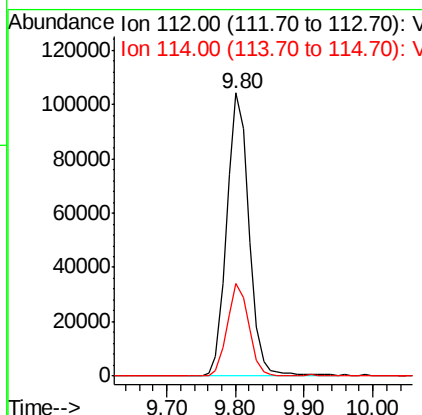
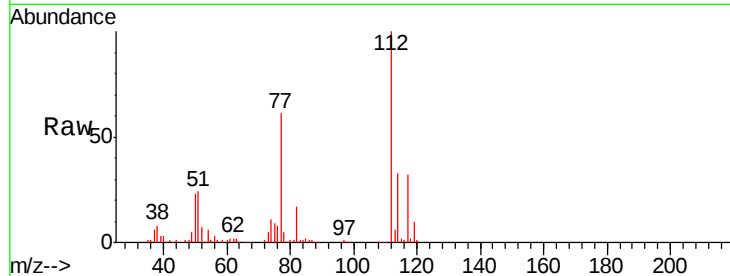
#65
Chlorobenzene
Concen: 53.65 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion:112 Resp: 232882
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

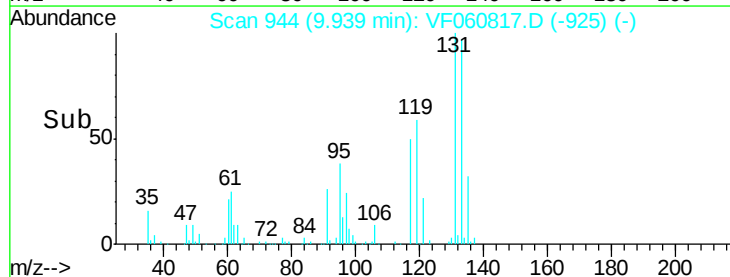
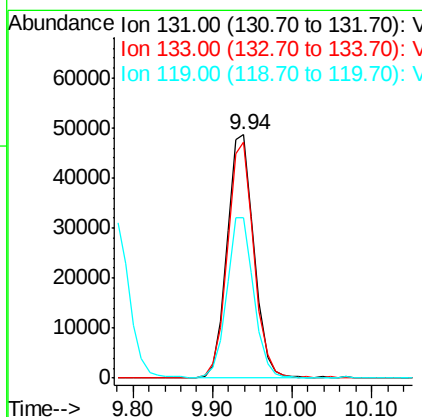
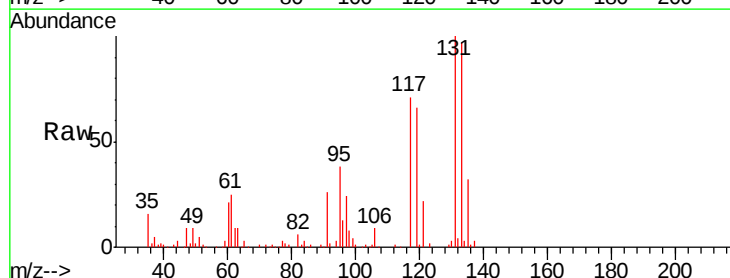
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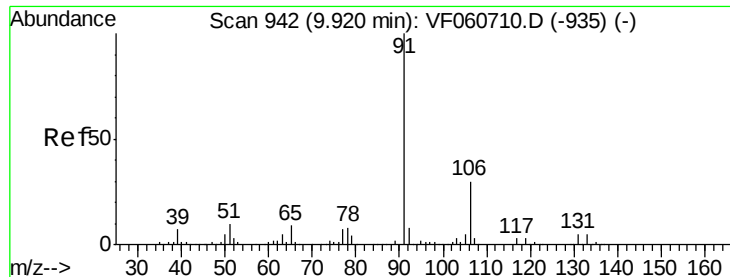
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.90 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion:131 Resp: 115304
Ion Ratio Lower Upper
131 100
133 97.0 48.3 144.8
119 65.9 33.2 99.6





#67

Ethyl Benzene

Concen: 52.23 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 91 Resp: 427374

Ion Ratio Lower Upper

91 100

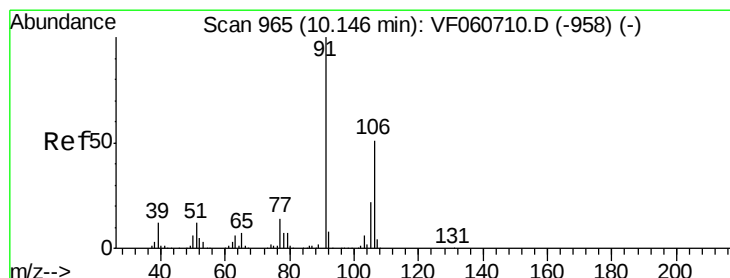
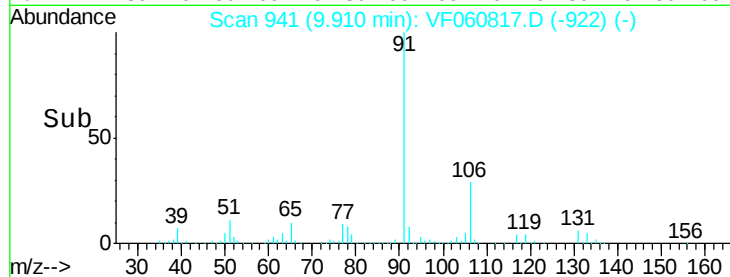
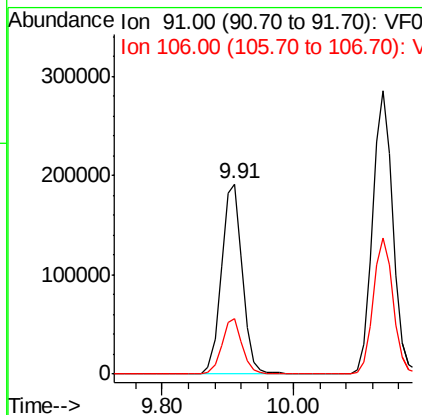
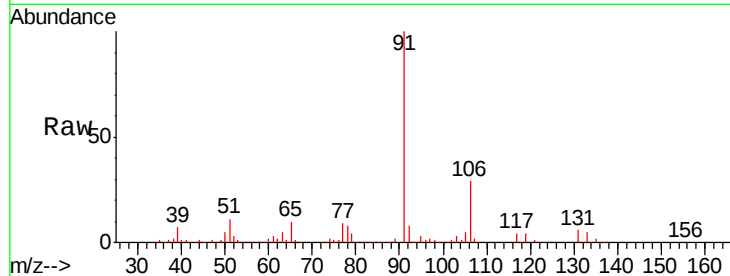
106 29.2 23.9 35.9

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#68

m/p-Xylenes

Concen: 100.27 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060817.D

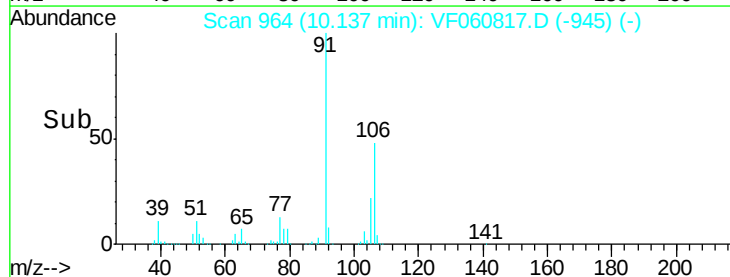
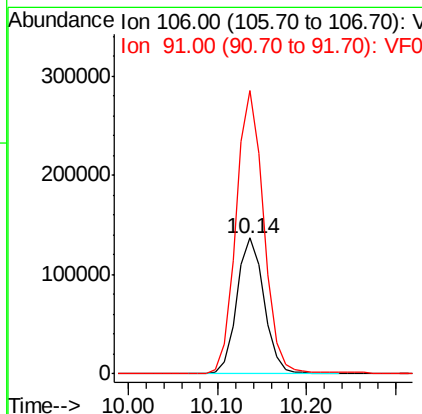
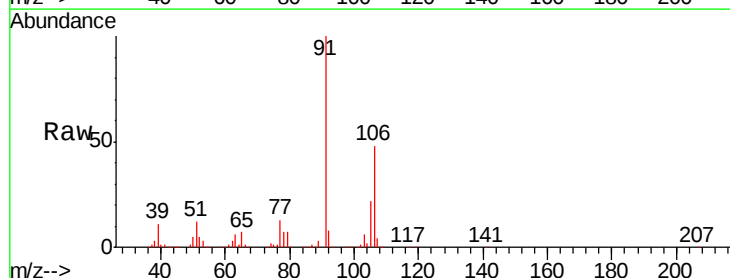
Acq: 20 Nov 2018 22:02

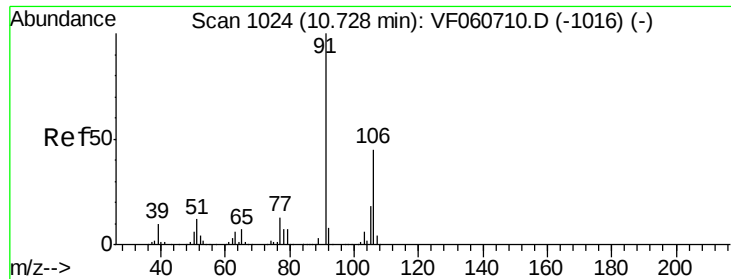
Tgt Ion: 106 Resp: 293205

Ion Ratio Lower Upper

106 100

91 208.6 158.2 237.2





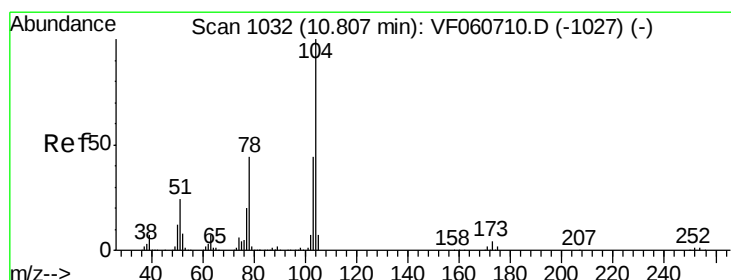
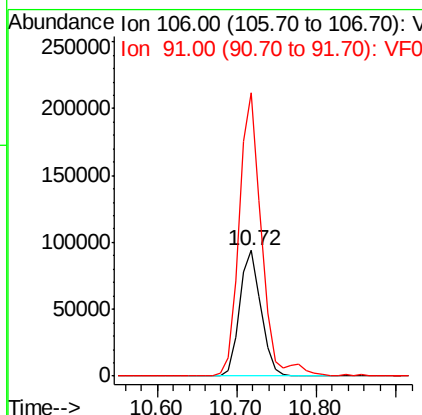
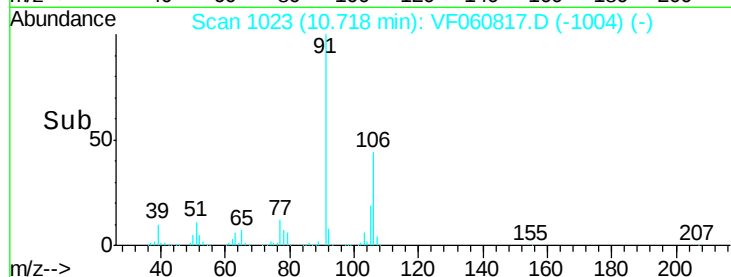
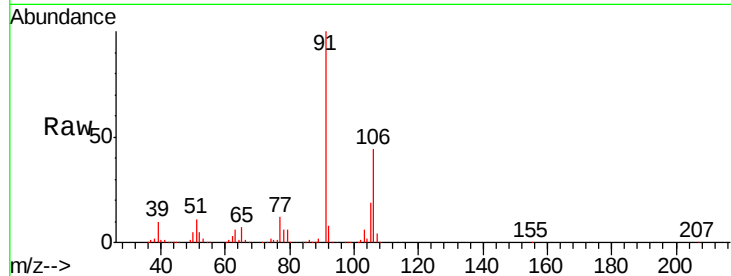
#69
o-Xylene
Concen: 53.73 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion:106 Resp: 176653
Ion Ratio Lower Upper
106 100
91 225.5 110.3 330.9

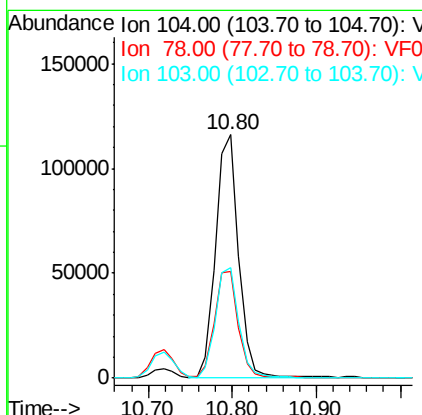
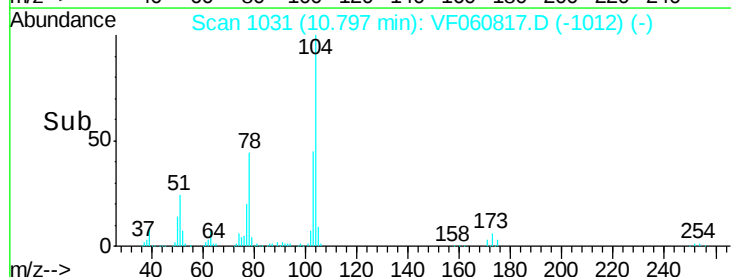
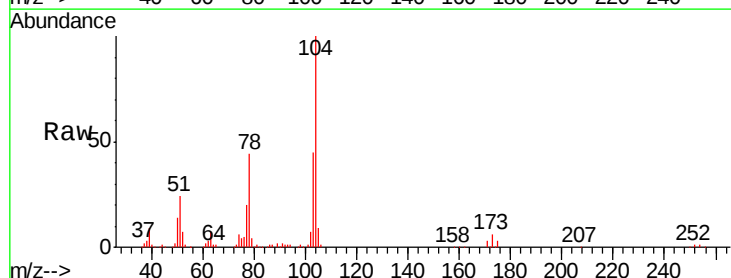
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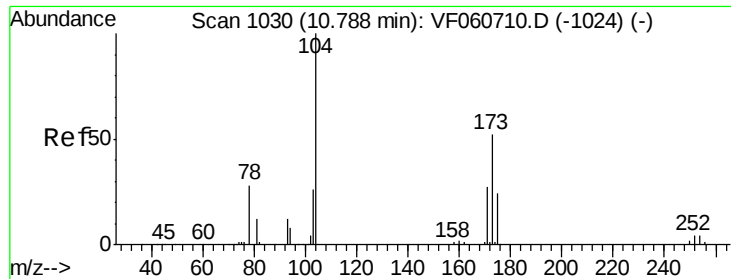
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#70
Styrene
Concen: 49.08 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion:104 Resp: 218972
Ion Ratio Lower Upper
104 100
78 43.6 35.4 53.2
103 45.4 35.8 53.6





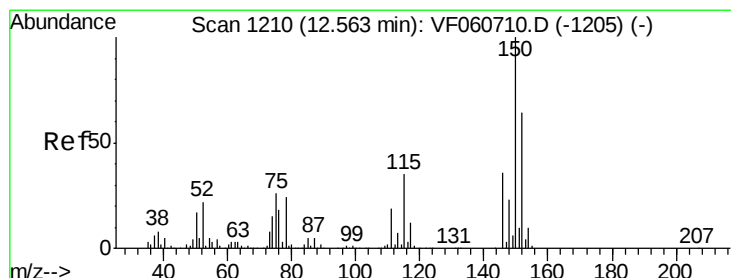
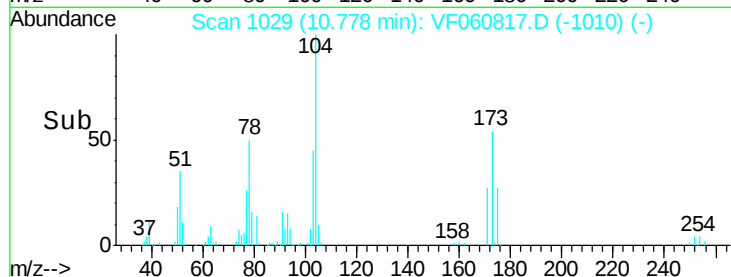
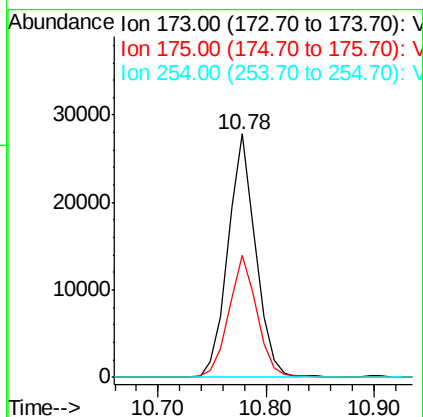
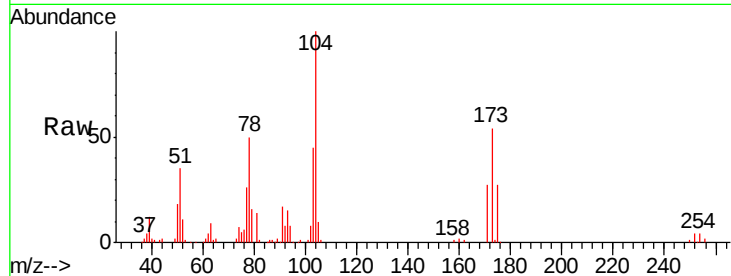
#71
Bromoform
Concen: 58.10 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.7	23.4	70.0
254	0.0	5.8	8.8#

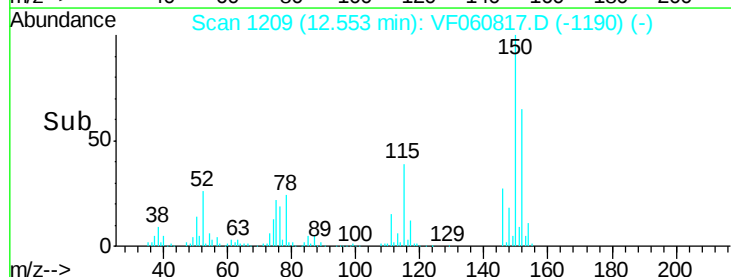
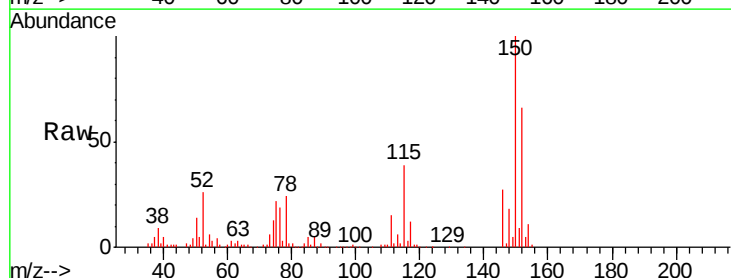
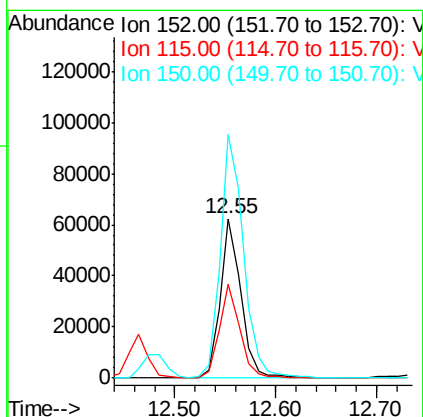
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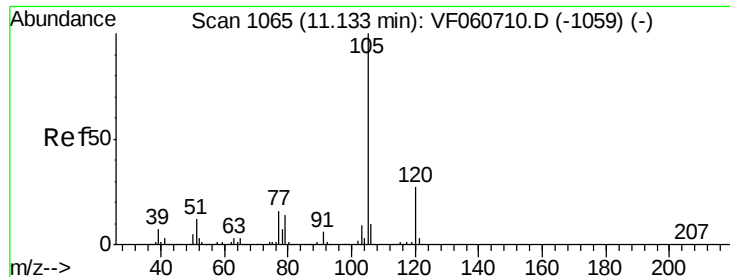
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	27.9	83.7
150	152.5	0.0	316.4





#73

Isopropylbenzene

Concen: 66.48 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 105 Resp: 480497

Ion Ratio Lower Upper

105 100

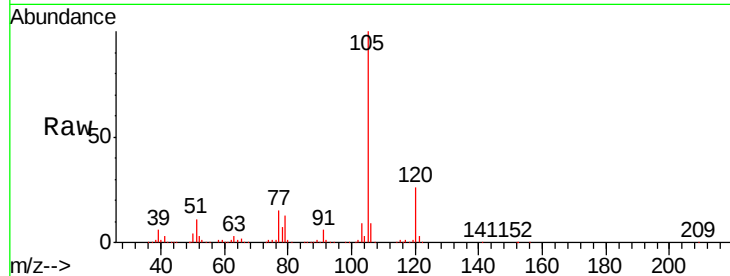
120 25.6 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

250000

200000

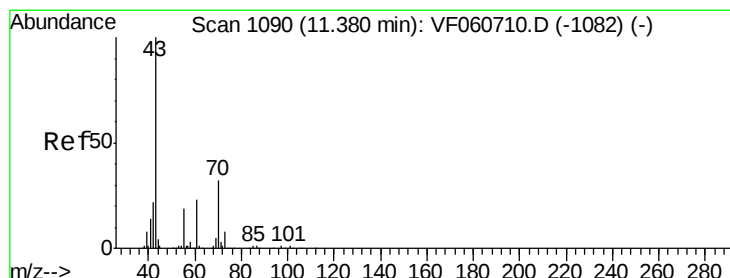
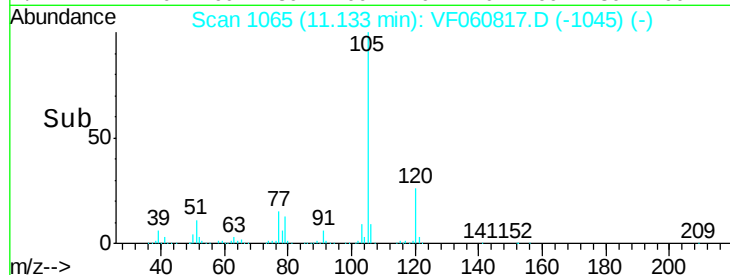
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 76.38 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion: 43 Resp: 125679

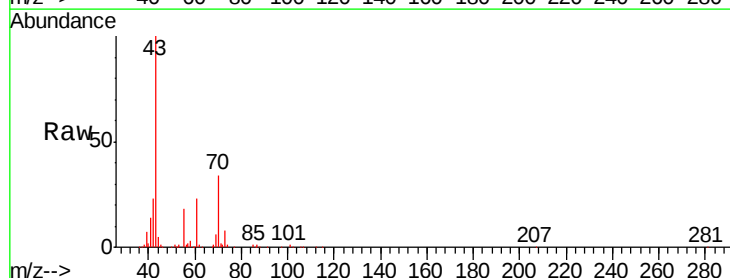
Ion Ratio Lower Upper

43 100

70 34.1 25.5 38.3

55 18.5 14.9 22.3

61 22.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.37

100000

80000

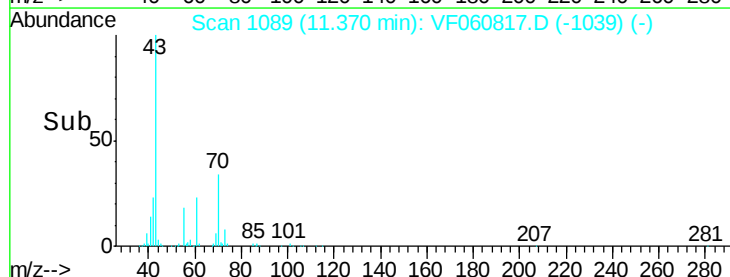
60000

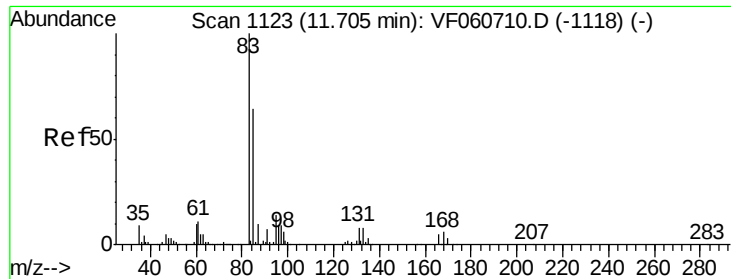
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 80.51 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

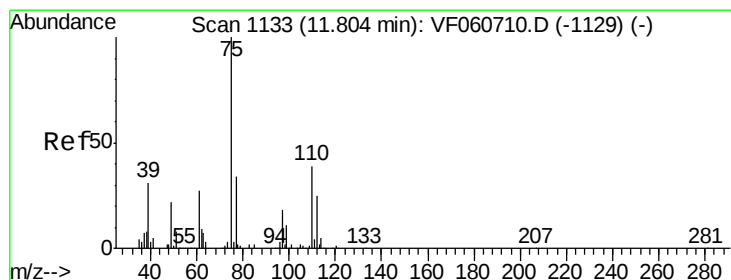
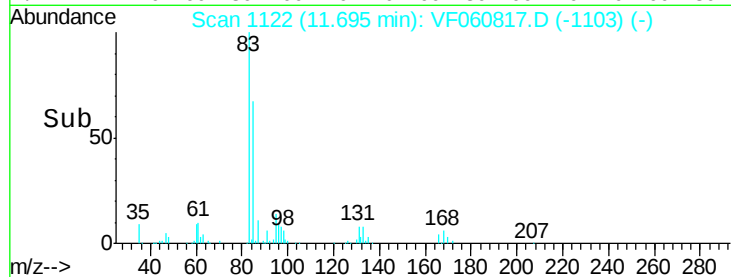
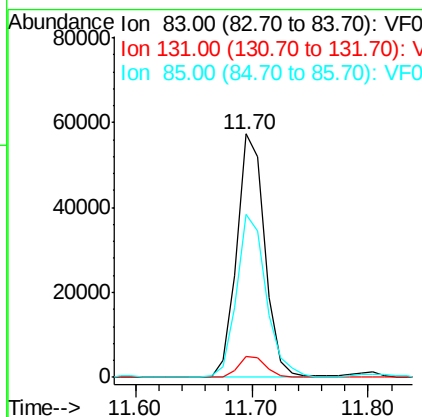
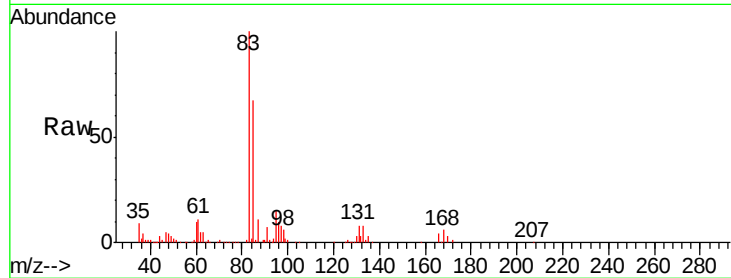
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	83	Resp:	96211
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.2	12.4
85	66.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 74.96 ug/l

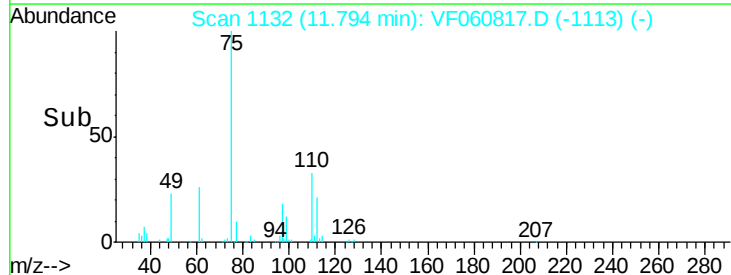
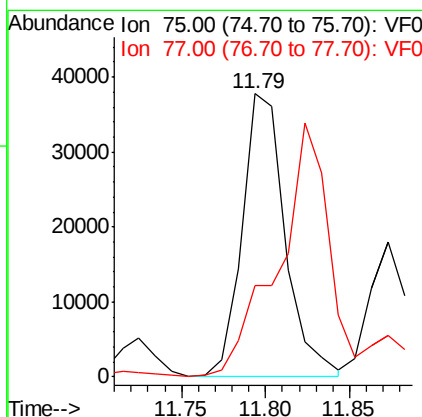
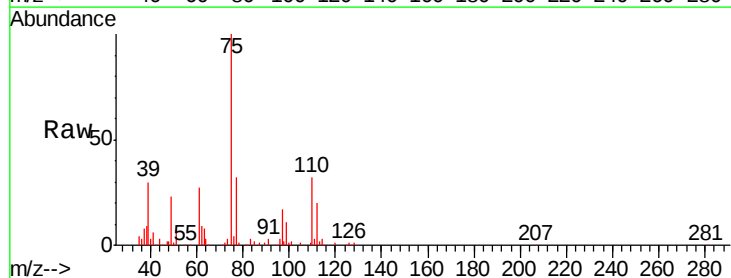
RT: 11.79 min Scan# 1132

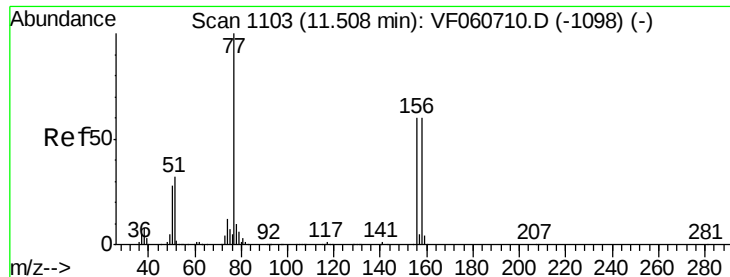
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	75	Resp:	66530
Ion Ratio	Lower	Upper	
75	100		
77	32.1	17.0	51.0





#77

Bromobenzene

Concen: 64.81 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

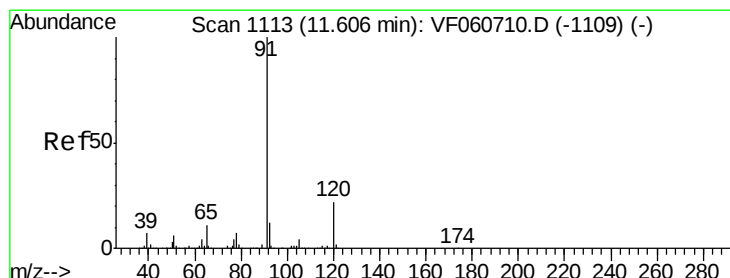
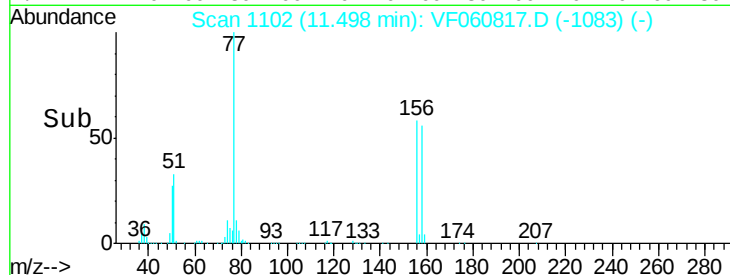
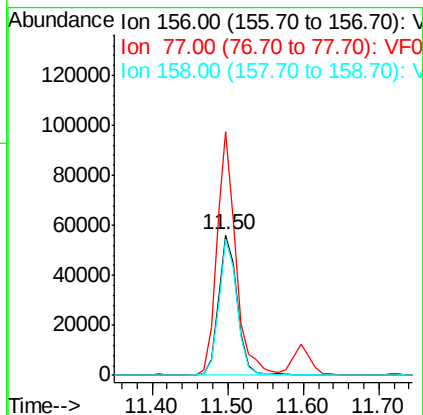
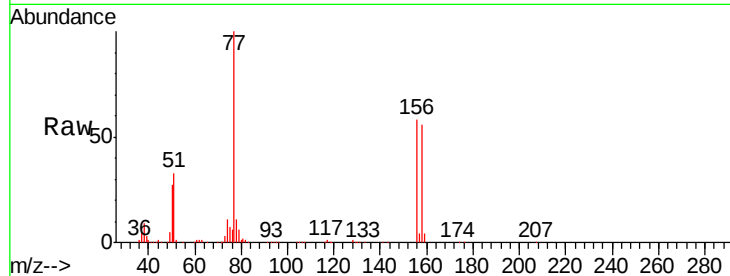
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	156	Resp:	97517
Ion Ratio	Lower	Upper	
156	100		
77	173.8	83.0	248.9
158	97.6	49.6	149.0

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#78

n-propylbenzene

Concen: 59.14 ug/l

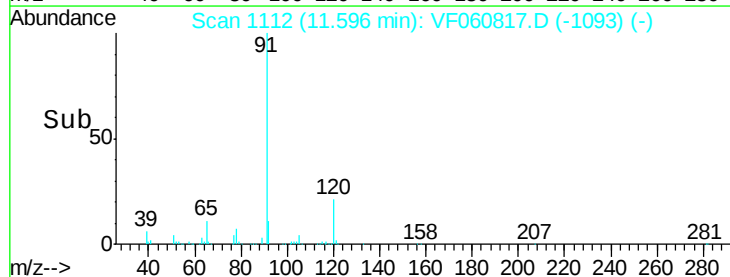
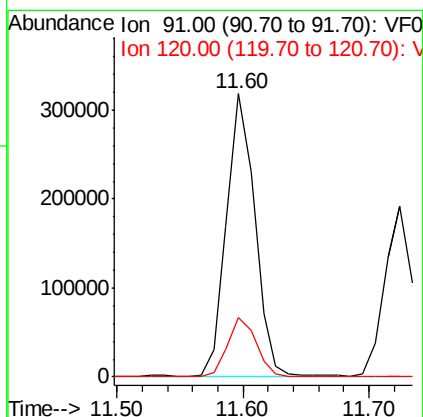
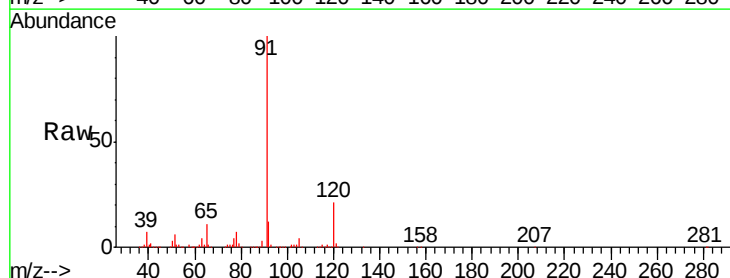
RT: 11.60 min Scan# 1112

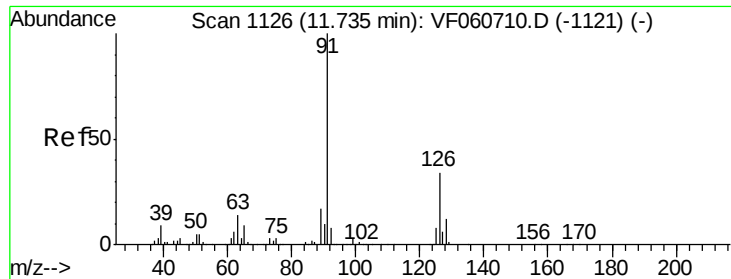
Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	91	Resp:	498585
Ion Ratio	Lower	Upper	
91	100		
120	20.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 60.31 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion: 91 Resp: 295510

Ion Ratio Lower Upper

91 100

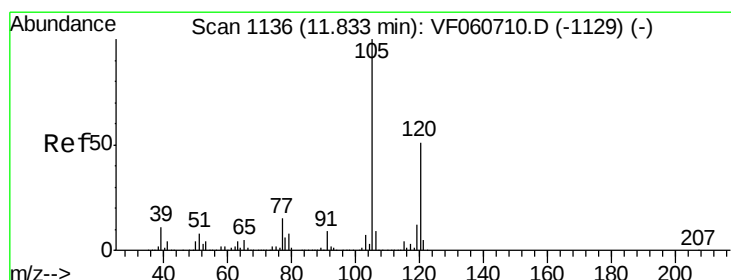
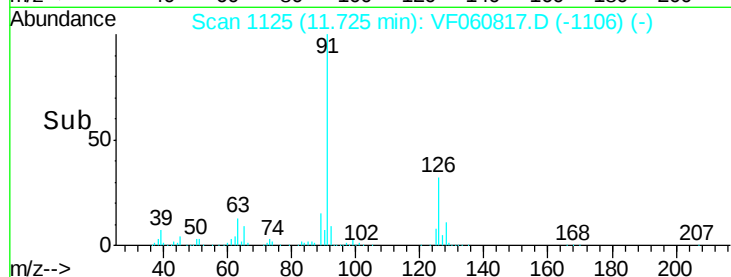
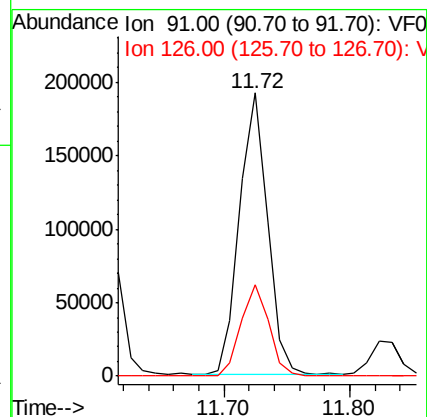
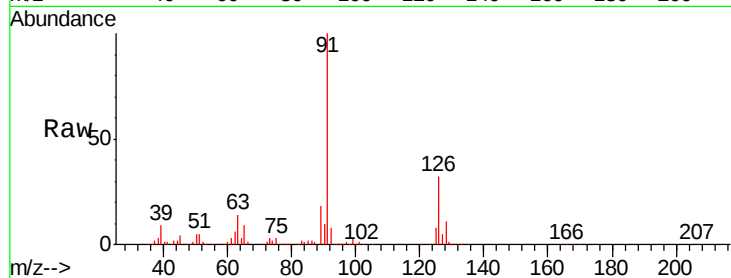
126 32.2 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 62.72 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060817.D

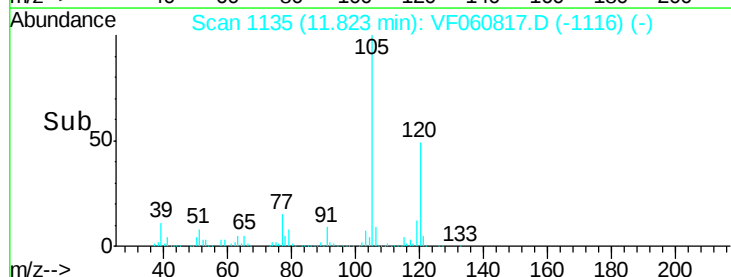
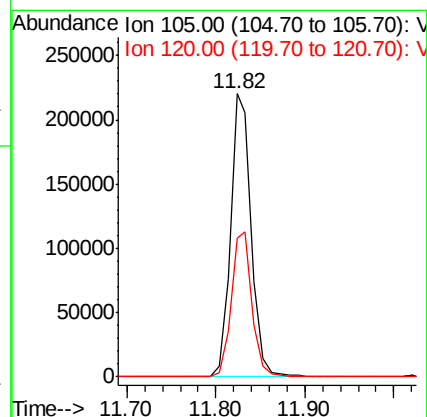
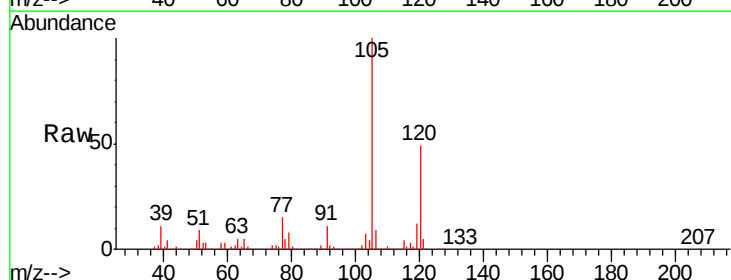
Acq: 20 Nov 2018 22:02

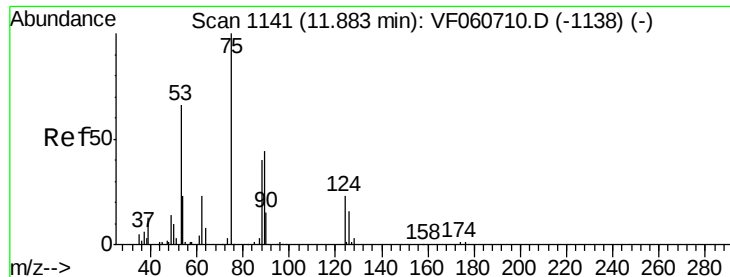
Tgt Ion: 105 Resp: 359920

Ion Ratio Lower Upper

105 100

120 49.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 66.38 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Instrument :

MSVOA_F

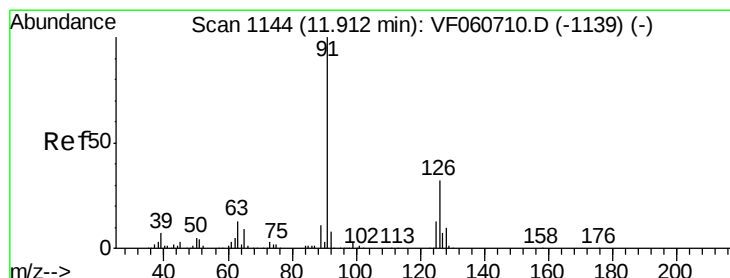
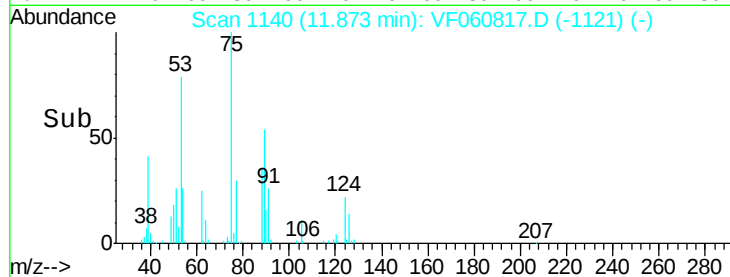
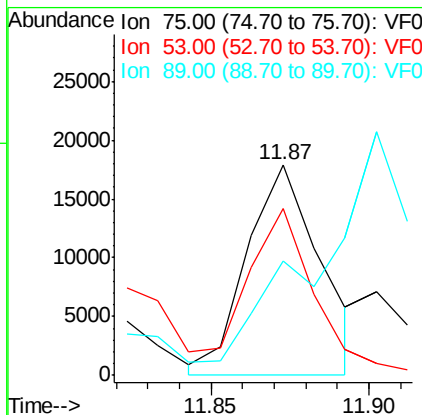
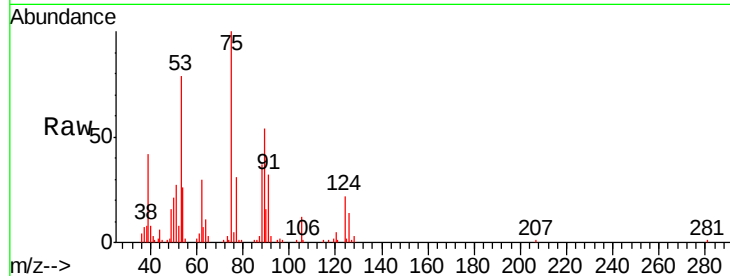
ClientSampleId :

MMTW-03(8-10)MS

Tgt Ion:	75	Resp:	28943
Ion	Ratio	Lower	Upper
75	100		
53	79.3	57.0	85.4
89	54.1	37.8	56.8

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#82

4-Chlorotoluene

Concen: 57.13 ug/l

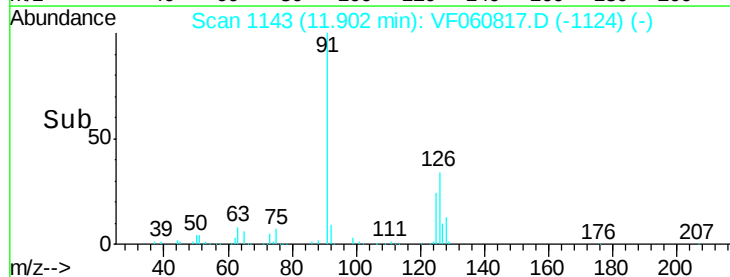
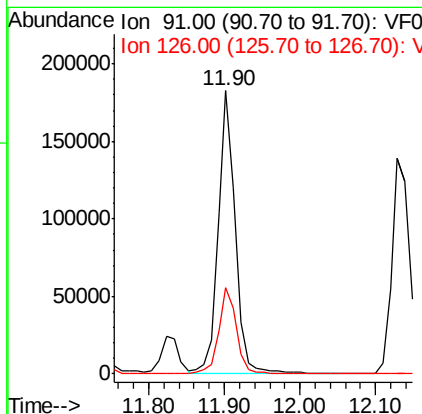
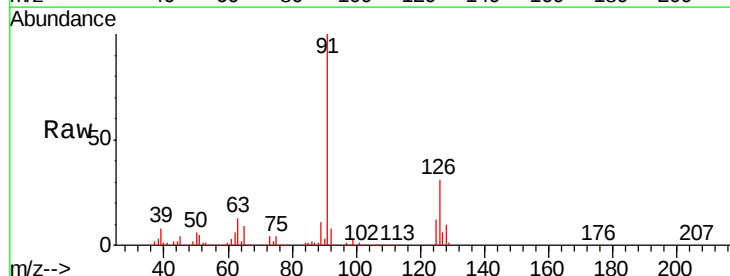
RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060817.D

Acq: 20 Nov 2018 22:02

Tgt Ion:	91	Resp:	286767
Ion	Ratio	Lower	Upper
91	100		
126	30.5	16.0	47.9





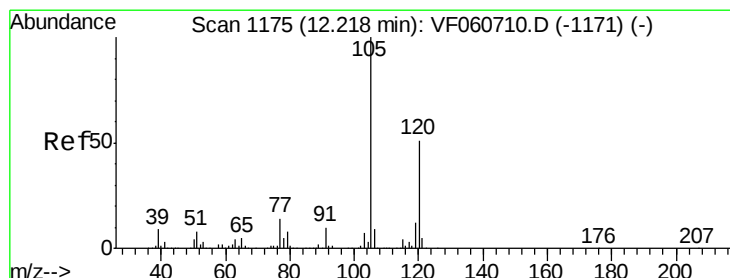
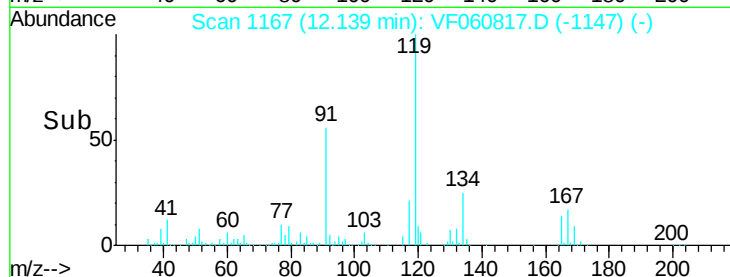
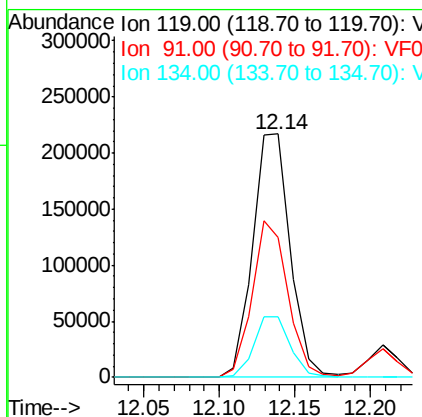
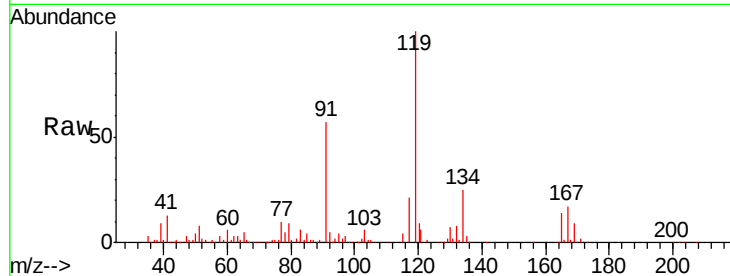
#83
 tert-Butylbenzene
 Concen: 61.59 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	375253		
91	57.2	31.4	94.3	
134	24.7	12.8	38.4	

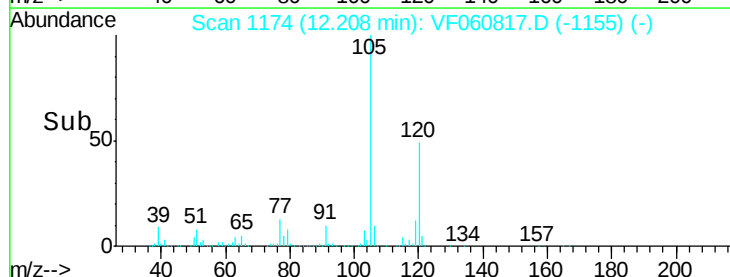
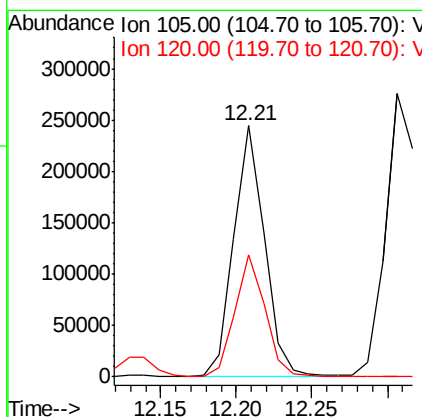
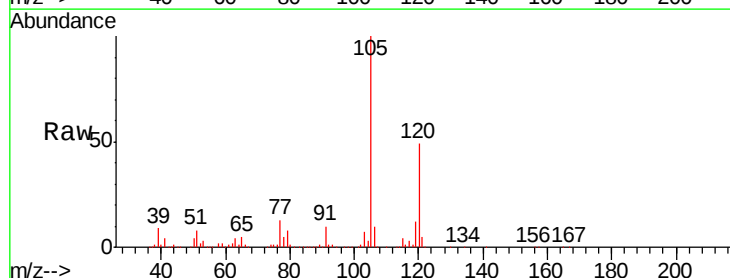
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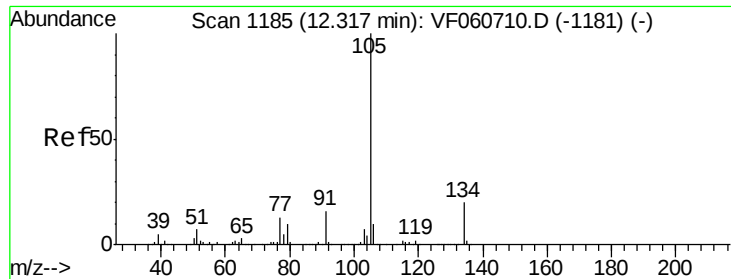
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.31 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	346044		
120	48.6	25.5	76.5	





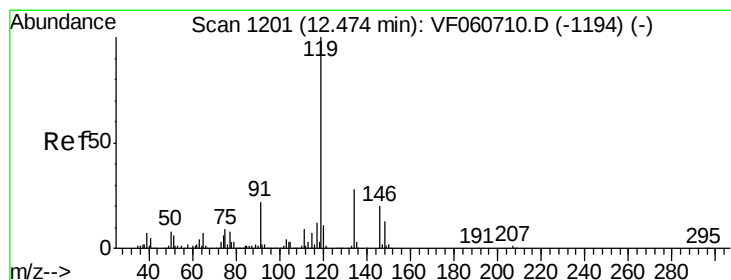
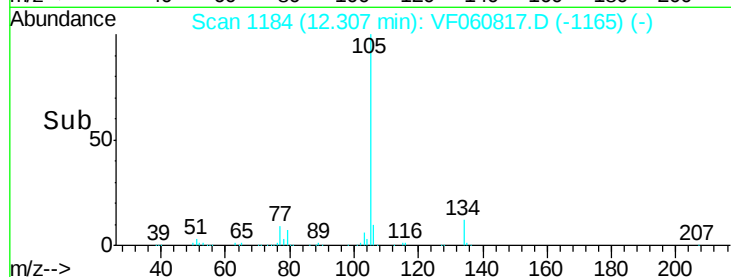
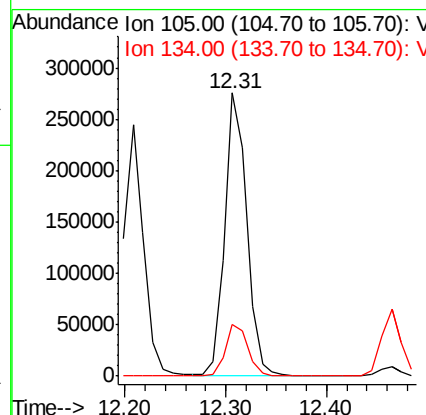
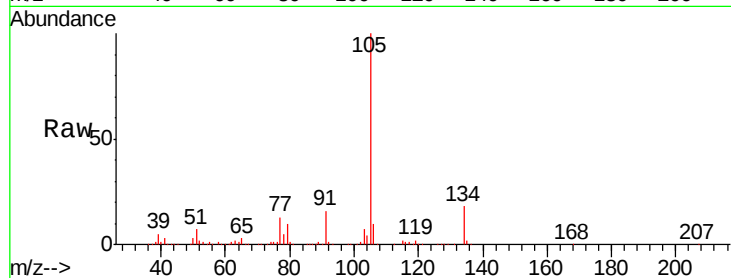
#85
 sec-Butylbenzene
 Concen: 50.82 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.2	10.1	30.3

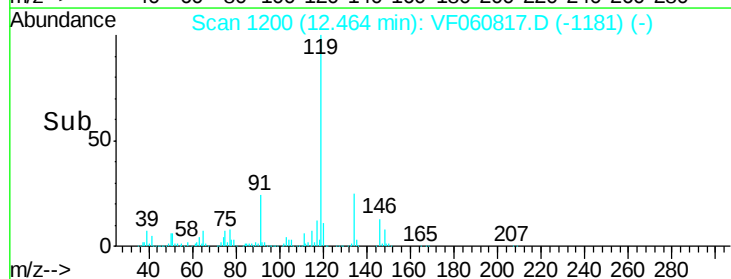
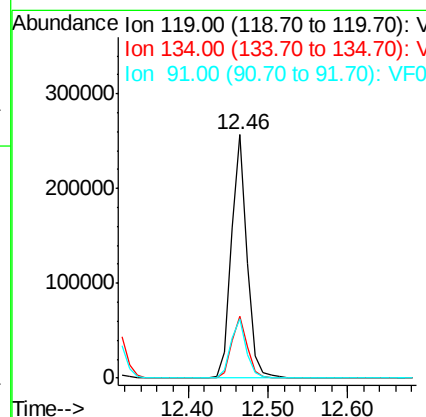
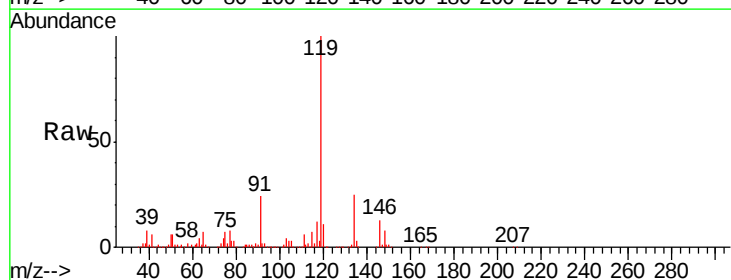
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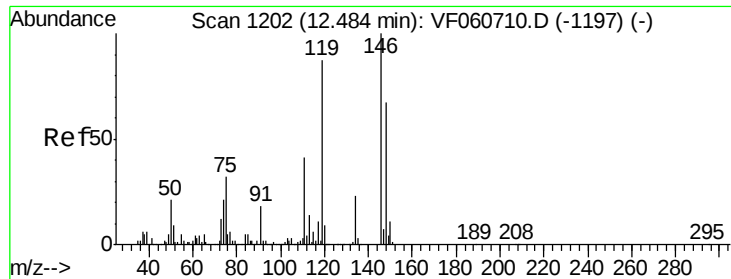
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#86
 p-Isopropyltoluene
 Concen: 51.44 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.9	41.7
91	24.2	11.3	33.9





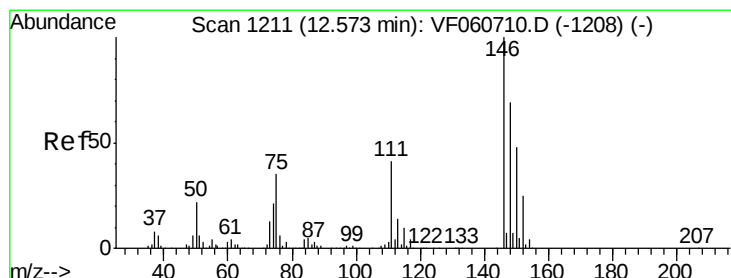
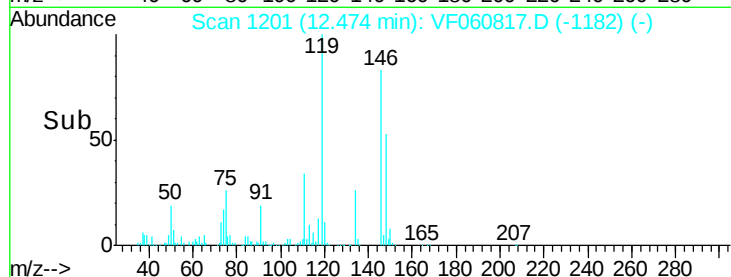
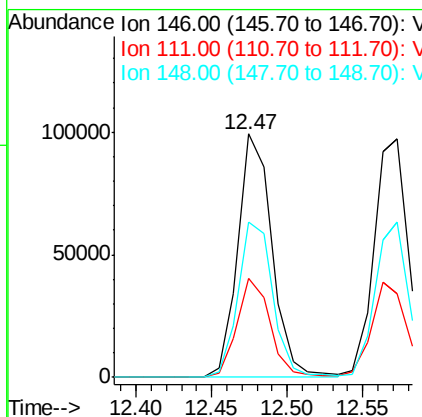
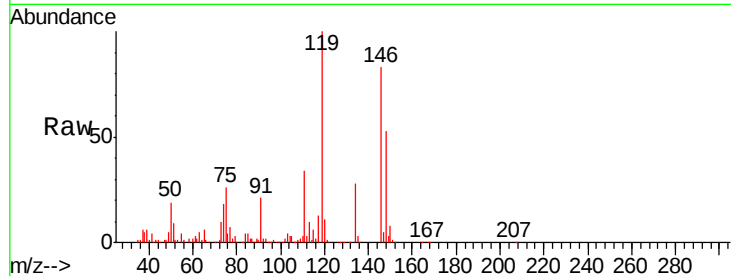
#87
 1,3-Dichlorobenzene
 Concen: 52.18 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.0	33.3	99.9

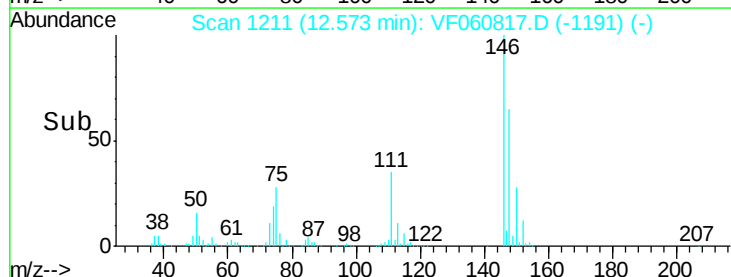
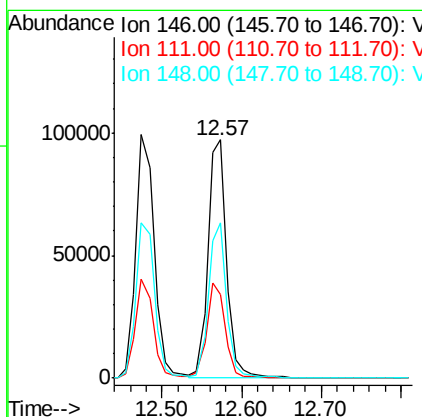
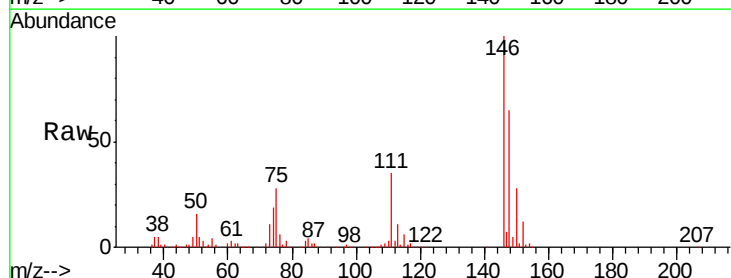
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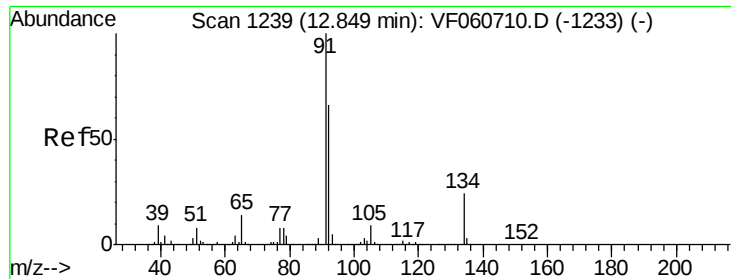
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#88
 1,4-Dichlorobenzene
 Concen: 55.66 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	20.6	61.9
148	65.3	34.7	104.1





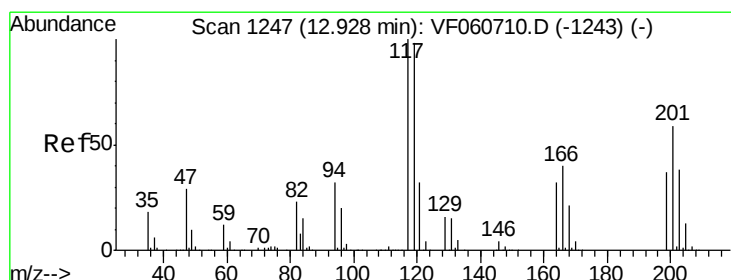
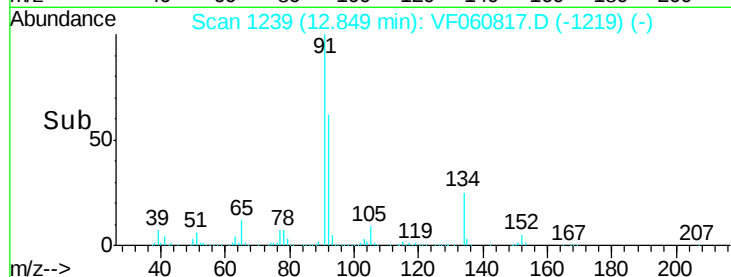
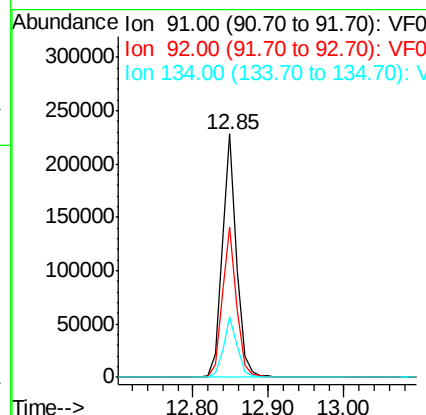
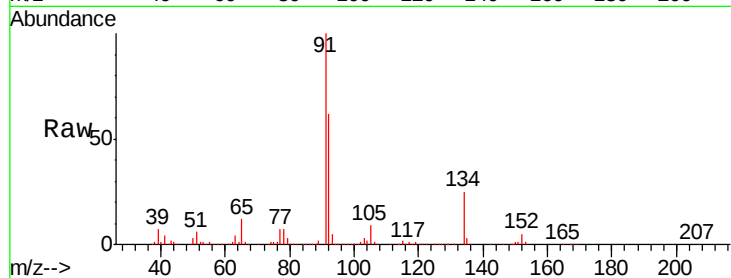
#89
n-Butylbenzene
Concen: 43.27 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.8	33.1	99.2
134	25.0	11.9	35.9

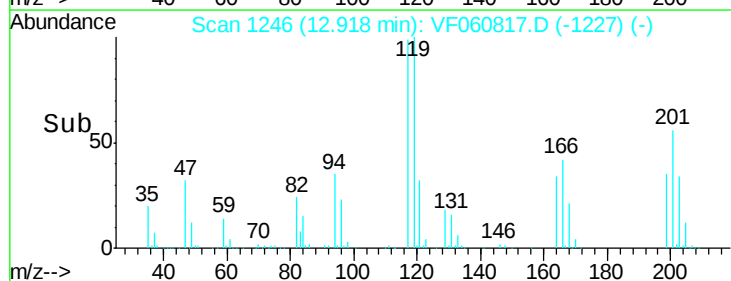
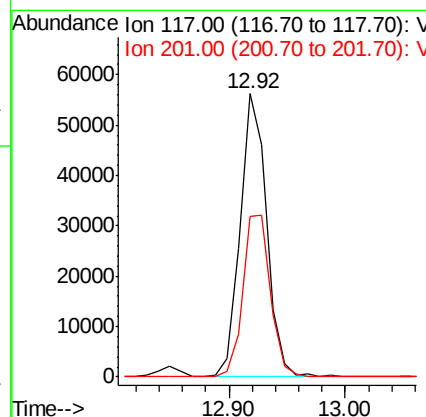
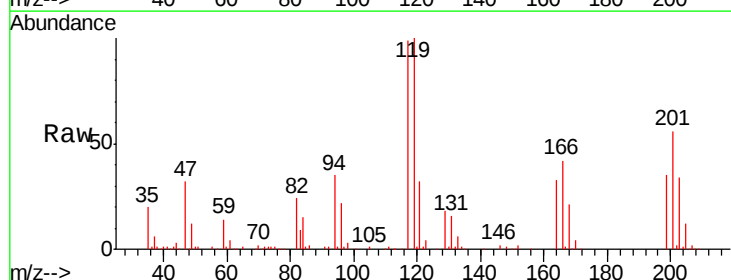
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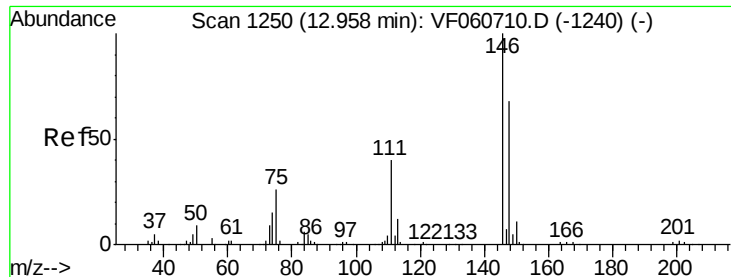
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#90
Hexachloroethane
Concen: 52.42 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.9	29.4	88.3





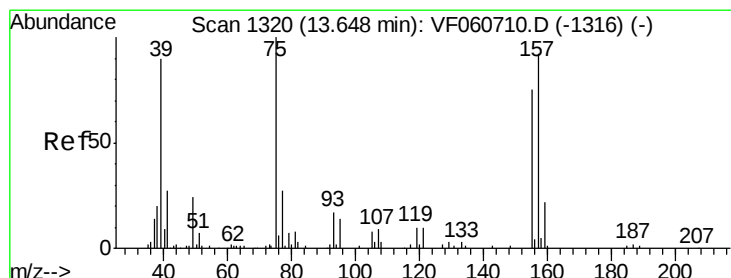
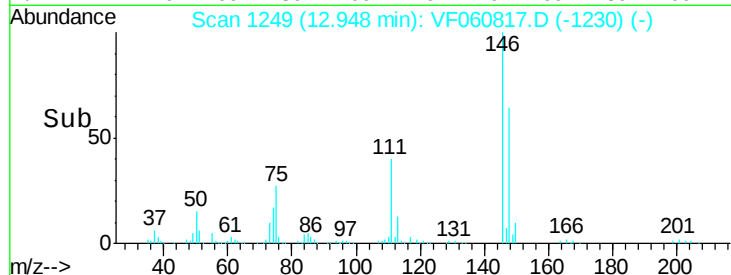
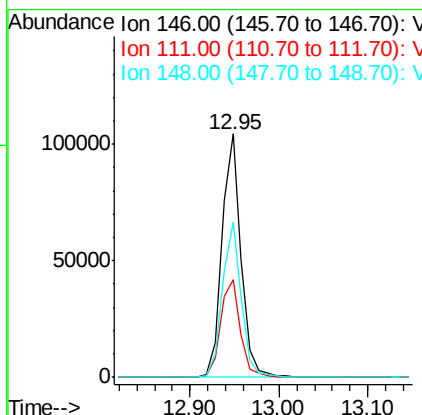
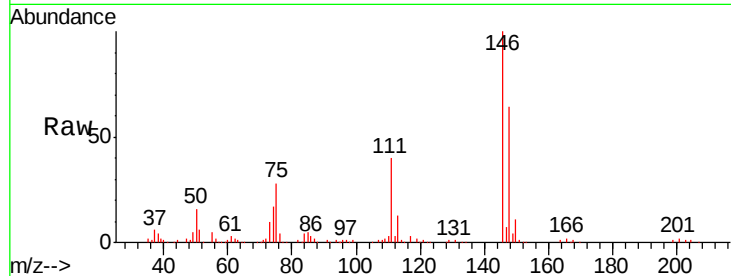
#91
 1,2-Dichlorobenzene
 Concen: 55.92 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	157654		
111	40.2	20.3	60.8	
148	63.9	34.1	102.3	

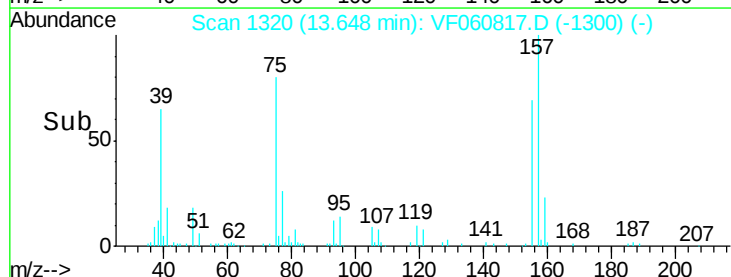
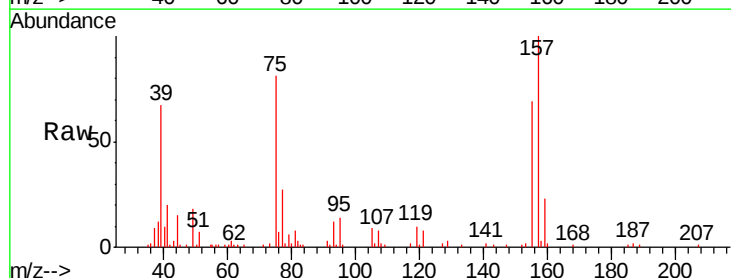
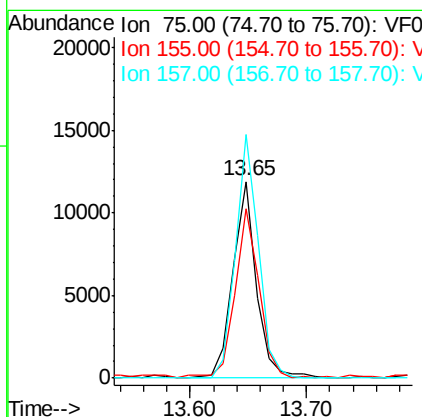
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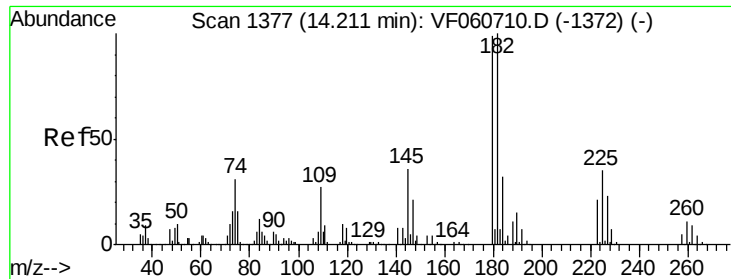
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.57 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16749		
155	86.1	37.4	112.2	
157	124.0	46.0	138.0	





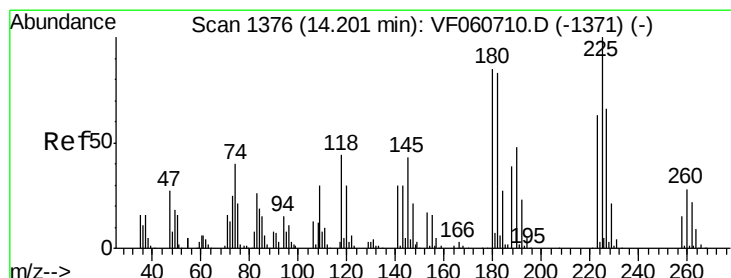
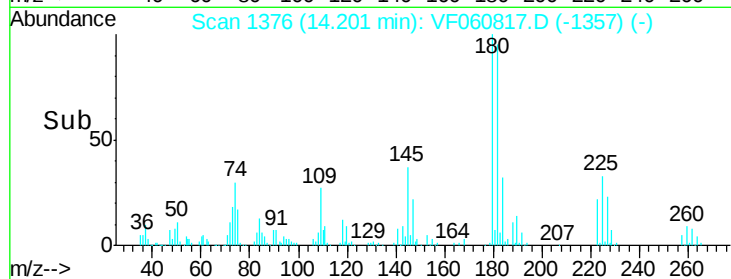
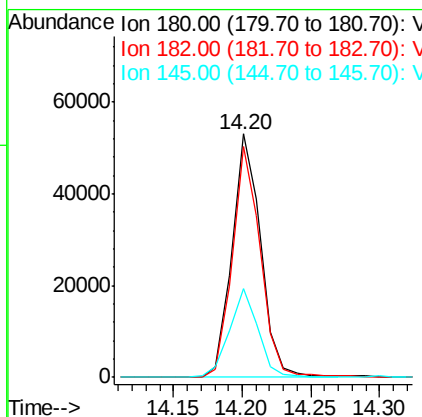
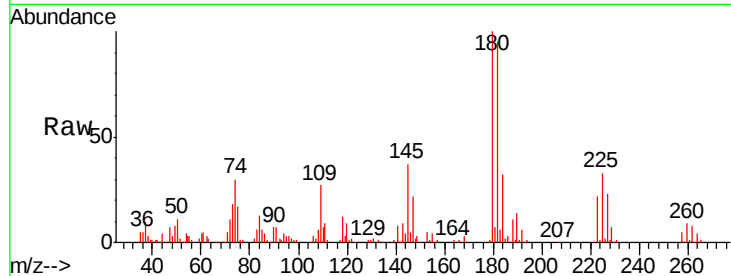
#93
 1,2,4-Trichlorobenzene
 Concen: 38.09 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	77175		
182	94.7	50.3	151.0	
145	36.5	18.3	54.9	

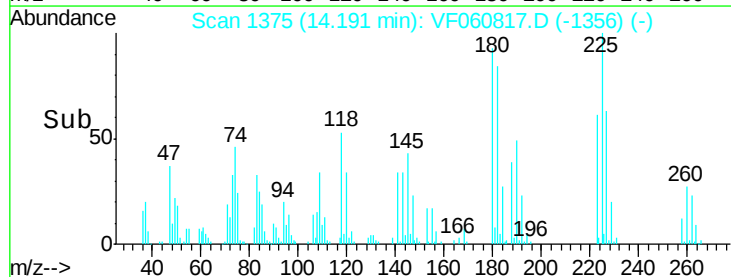
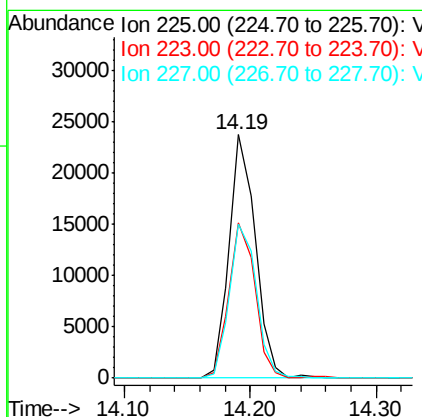
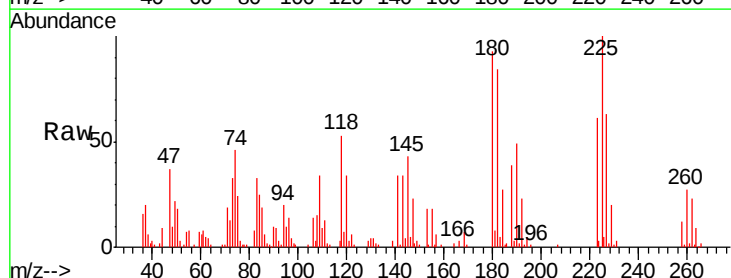
Manual Integrations
 APPROVED

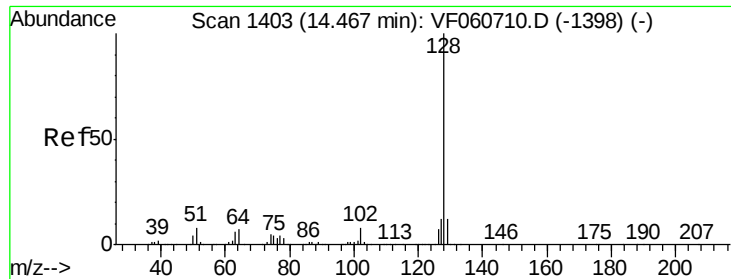
apatel
 11/21/2018 2:41:11 PM



#94
 Hexachlorobutadiene
 Concen: 25.86 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060817.D
 Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34246		
223	63.8	31.5	94.5	
227	63.4	33.0	99.0	





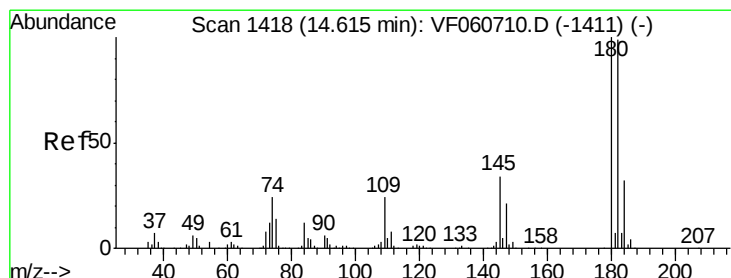
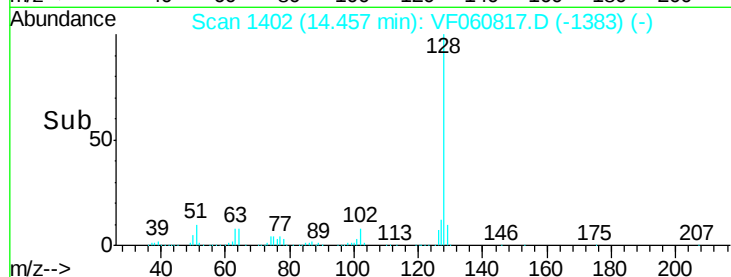
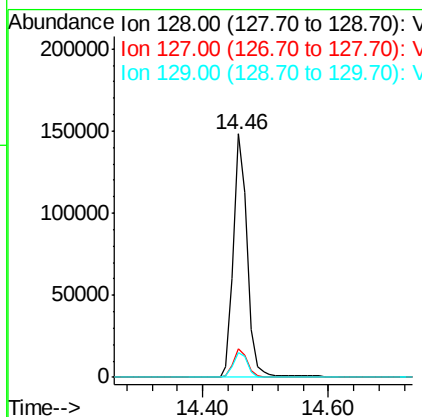
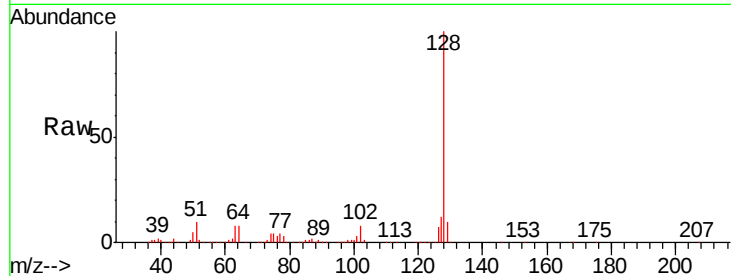
#95
Naphthalene
Concen: 60.56 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	223923		
127	11.8	9.8	14.6	
129	10.4	9.3	13.9	

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 37.15 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060817.D
Acq: 20 Nov 2018 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69554		
182	95.9	49.6	149.0	
145	37.0	16.9	50.7	

