

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060798.D
 Acq On : 20 Nov 2018 1:45
 Operator : VA/AP
 Sample : J5952-03MSD
 Misc : 4.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Manual Integrations
 APPROVED

apatel
 11/20/2018 1:27:31 PM

Quant Time: Nov 20 13:23:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	150920	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	277620	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	214910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	84233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	87412	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	4.13	113	103545	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	7.57	98	263608	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.42	95	100981	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	148876	55.120	ug/l	100
3) Chloromethane	1.10	50	103638	61.871	ug/l	99
4) Vinyl Chloride	1.15	62	88287	58.919	ug/l	100
5) Bromomethane	1.34	94	58525	61.487	ug/l	94
6) Chloroethane	1.39	64	38175	65.115	ug/l	95
7) Trichlorofluoromethane	1.49	101	193621	58.433	ug/l	97
8) Diethyl Ether	1.63	74	29504	69.495	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	89832	57.530	ug/l	97
10) Methyl Iodide	1.91	142	140651m	56.140	ug/l	
11) Tert butyl alcohol	2.57	59	29353	374.671	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	77965	63.321	ug/l	91
13) Acrolein	2.01	56	14964	208.898	ug/l	95
14) Allyl chloride	2.11	41	114533	53.098	ug/l	89
15) Acrylonitrile	2.94	53	65696	393.534	ug/l	96
16) Acetone	2.24	43	143992	391.345	ug/l	94
17) Carbon Disulfide	1.83	76	174357	46.853	ug/l	99
18) Methyl Acetate	2.35	43	68354m	113.136	ug/l	
19) Methyl tert-butyl Ether	2.44	73	196453	66.508	ug/l	100
20) Methylene Chloride	2.19	84	80288m	66.607	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	71860	55.861	ug/l	95
22) Diisopropyl ether	2.81	45	295930	71.061	ug/l	98
23) Vinyl Acetate	3.20	43	408058	208.085	ug/l	98
24) 1,1-Dichloroethane	2.89	63	163843	64.986	ug/l	99
25) 2-Butanone	4.35	43	197503	326.342	ug/l	96
26) 2,2-Dichloropropane	3.62	77	107337	54.101	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	129062	58.977	ug/l	99
28) Bromochloromethane	3.73	49	71807	54.803	ug/l	99
29) Tetrahydrofuran	4.09	42	92423	370.232	ug/l	96
30) Chloroform	3.87	83	236997	58.588	ug/l	97
31) Cyclohexane	3.71	56	150172	49.076	ug/l	92
32) 1,1,1-Trichloroethane	4.11	97	175959	55.237	ug/l	98
36) 1,1-Dichloropropene	4.30	75	153444	47.658	ug/l	98
37) Ethyl Acetate	4.13	43	67291	56.215	ug/l #	76
38) Carbon Tetrachloride	4.01	117	153530	49.143	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	126041	33.743	ug/l	98
40) Benzene	4.65	78	403430	56.210	ug/l	99
41) Methacrylonitrile	4.76	41	40630	64.958	ug/l	92
42) 1,2-Dichloroethane	4.96	62	132009	53.224	ug/l	97
43) Isopropyl Acetate	6.97	43	80856	50.946	ug/l #	99
44) Trichloroethene	5.52	130	110926	48.986	ug/l	93
45) 1,2-Dichloropropane	6.25	63	104740	56.081	ug/l	97
46) Dibromomethane	6.10	93	65076	52.785	ug/l	97
47) Bromodichloromethane	6.40	83	167969	53.354	ug/l	98
48) Methyl methacrylate	6.73	41	62345	59.355	ug/l	99
49) 1,4-Dioxane	6.72	88	11763	1197.432	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	337148	293.716	ug/l	99
52) Toluene	7.64	92	221475	46.048	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	104458	41.426	ug/l	93
54) cis-1,3-Dichloropropene	7.31	75	141648	43.247	ug/l	95
55) 1,1,2-Trichloroethane	8.51	97	71251	51.849	ug/l	96
56) Ethyl methacrylate	8.64	69	82211	52.676	ug/l	98
57) 1,3-Dichloropropane	8.86	76	122396	51.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	34222	240.042	ug/l	100
59) 2-Hexanone	9.50	43	226268	280.490	ug/l	98
60) Dibromochloromethane	8.74	129	98170	50.125	ug/l	95
61) 1,2-Dibromoethane	9.00	107	72550	50.199	ug/l	98
64) Tetrachloroethene	8.17	164	86570	50.868	ug/l	97
65) Chlorobenzene	9.81	112	228909	52.784	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	112100	59.264	ug/l	99
67) Ethyl Benzene	9.91	91	406358	49.711	ug/l	97
68) m/p-Xylenes	10.15	106	269524	92.261	ug/l	92
69) o-Xylene	10.73	106	165963	50.531	ug/l	92
70) Styrene	10.80	104	215473	48.340	ug/l	99
71) Bromoform	10.79	173	51314	60.327	ug/l #	95
73) Isopropylbenzene	11.13	105	440270	64.935	ug/l	97
74) N-amyl acetate	11.38	43	118592	76.833	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	99495	88.758	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	69452	83.424	ug/l	98
77) Bromobenzene	11.51	156	97476	69.068	ug/l	98
78) n-propylbenzene	11.61	91	440091	55.654	ug/l	95
79) 2-Chlorotoluene	11.73	91	284392	61.879	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	325285	60.430	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	26781m	65.479	ug/l	
82) 4-Chlorotoluene	11.91	91	263993	56.069	ug/l	97
83) tert-Butylbenzene	12.14	119	334351	58.500	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	305831	54.936	ug/l	97
85) sec-Butylbenzene	12.32	105	352056	45.409	ug/l	99
86) p-Isopropyltoluene	12.47	119	296596	45.805	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	148646	52.925	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	149382	55.340	ug/l	94
89) n-Butylbenzene	12.85	91	244507	37.001	ug/l	92
90) Hexachloroethane	12.93	117	70860	44.741	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	150227	56.808	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	16703	79.278	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	66148	34.801	ug/l	93
94) Hexachlorobutadiene	14.20	225	24347	19.602	ug/l	97
95) Naphthalene	14.47	128	249580	71.962	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	60715	34.568	ug/l	97

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

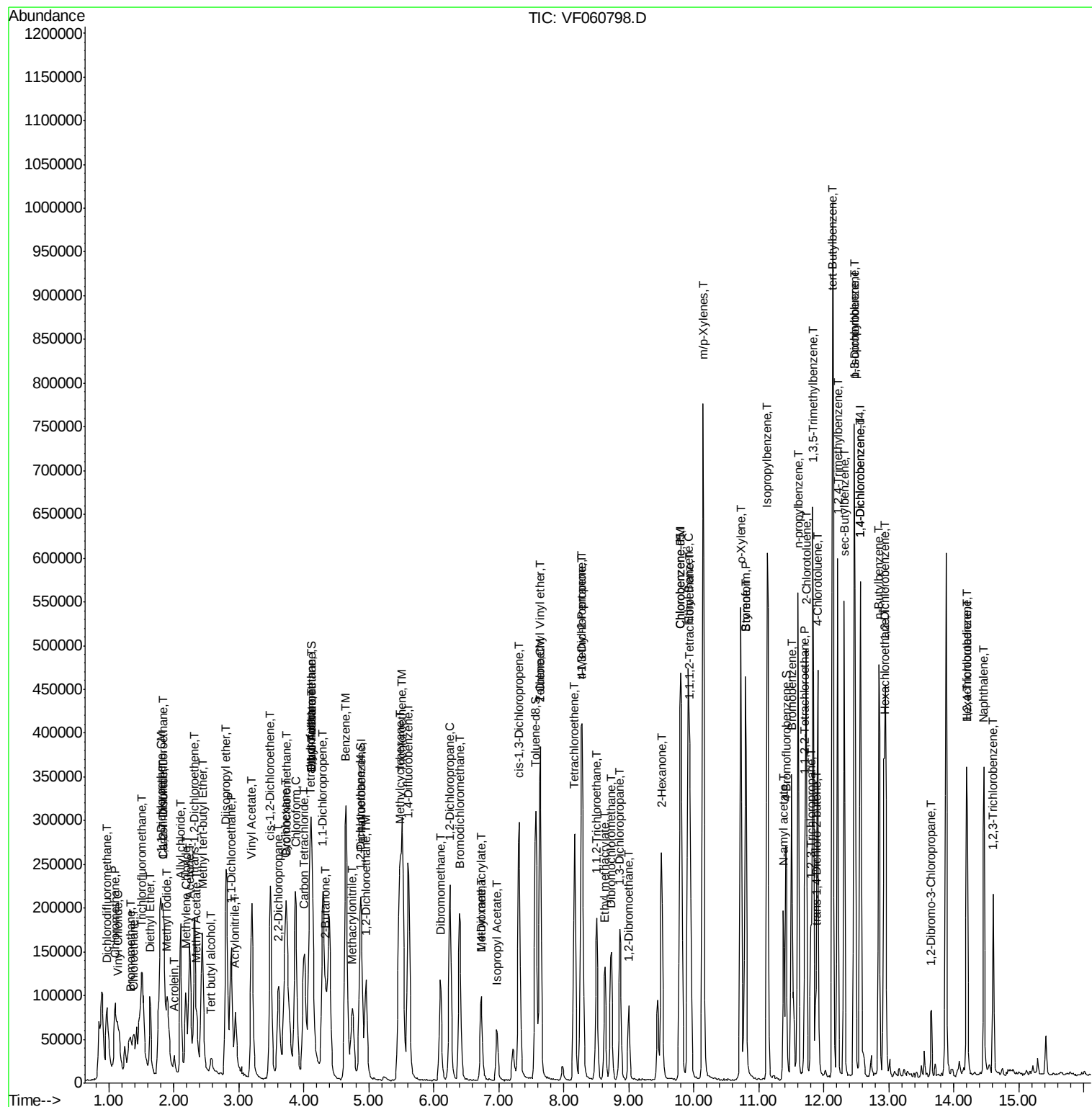
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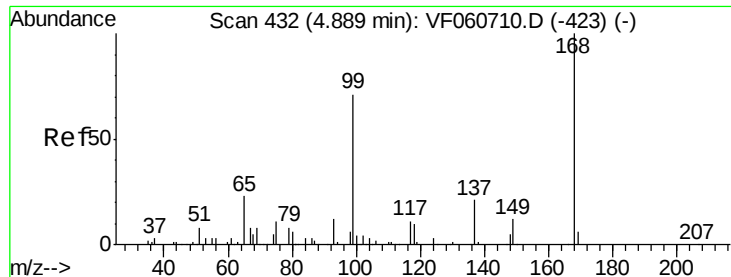
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:168 Resp: 150920

Ion Ratio Lower Upper

168 100

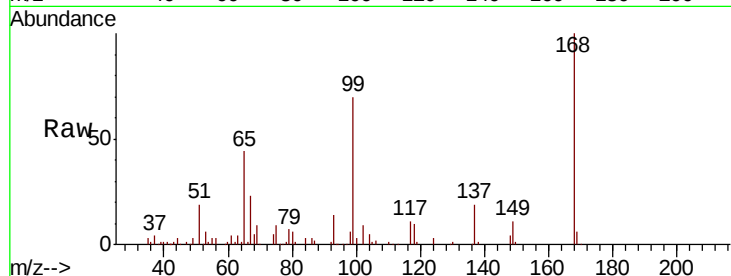
99 69.7 57.2 85.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

50000

40000

30000

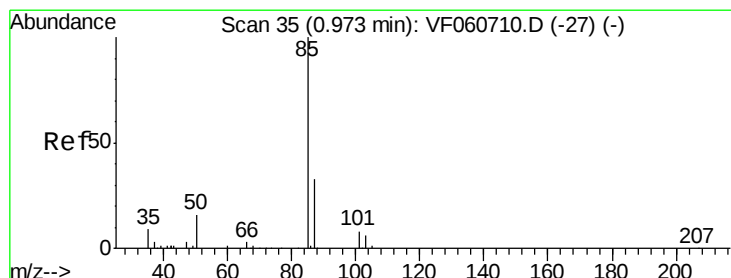
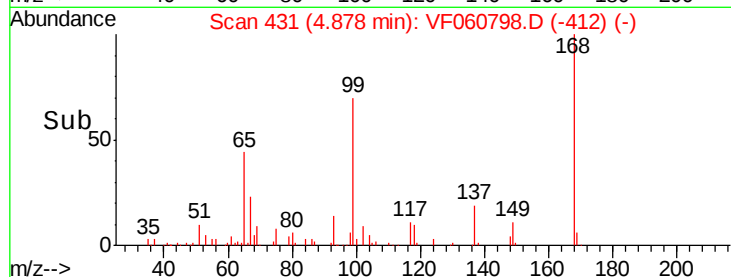
20000

10000

0

4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.120 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060798.D

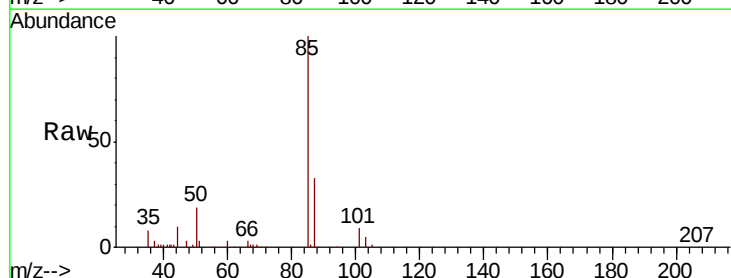
Acq: 20 Nov 2018 1:45

Tgt Ion: 85 Resp: 148876

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

30000

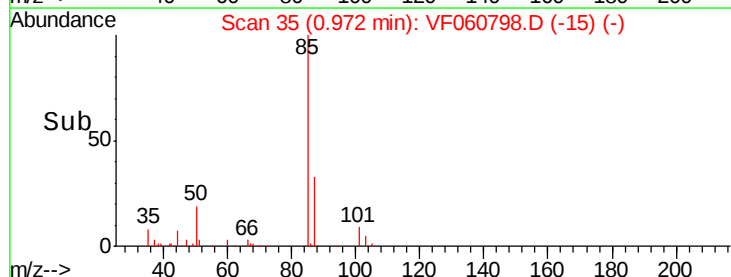
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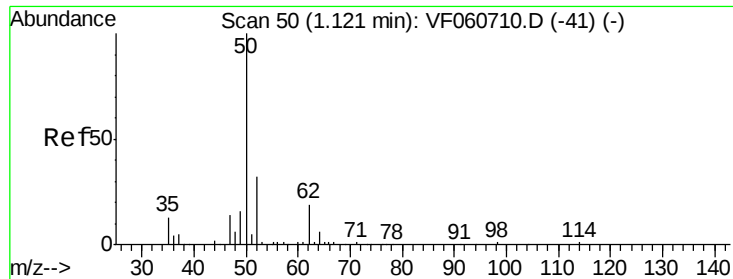
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 61.871 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 50 Resp: 103638

Ion Ratio Lower Upper

50 100

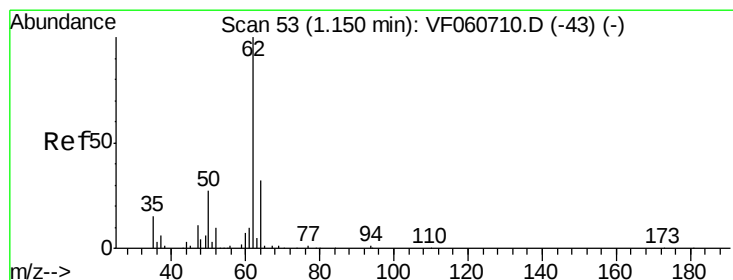
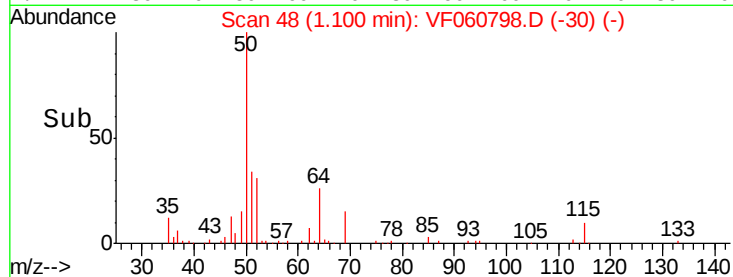
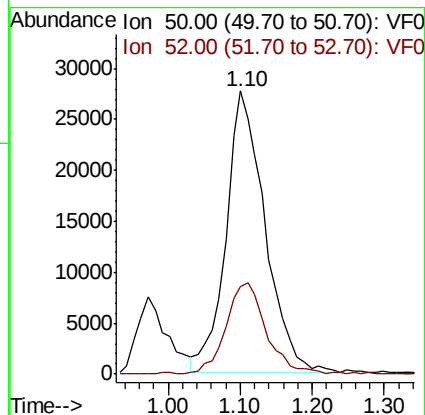
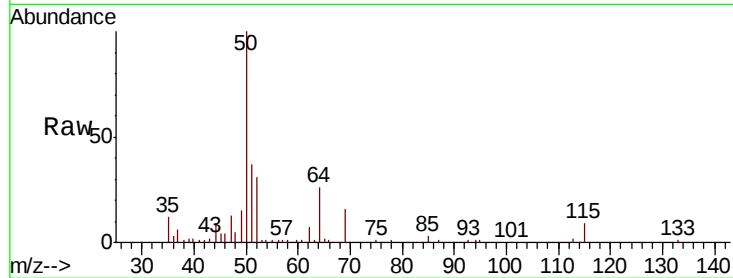
52 30.9 24.2 36.2

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#4

Vinyl Chloride

Concen: 58.919 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060798.D

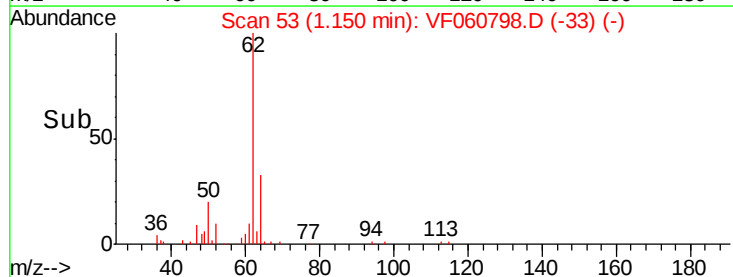
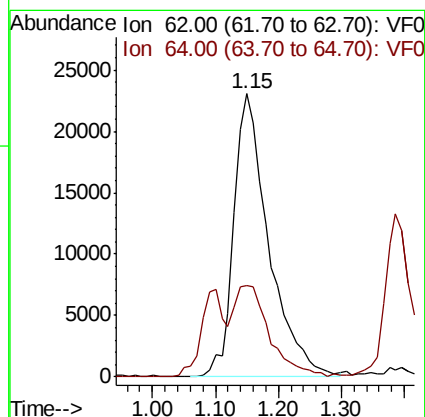
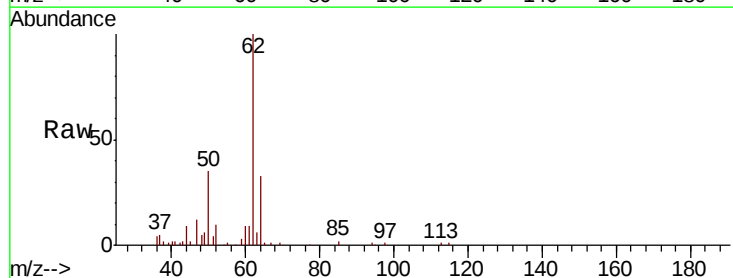
Acq: 20 Nov 2018 1:45

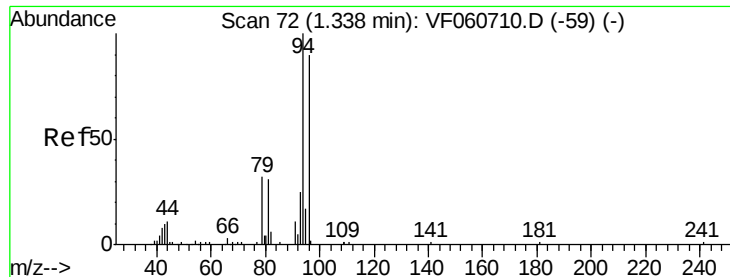
Tgt Ion: 62 Resp: 88287

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 61.487 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

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ClientSampleId :

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Tot Ion: 94 Resp: 58525

Ion Ratio Lower Upper

94 100

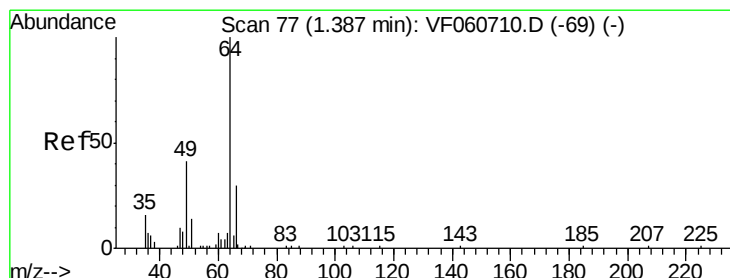
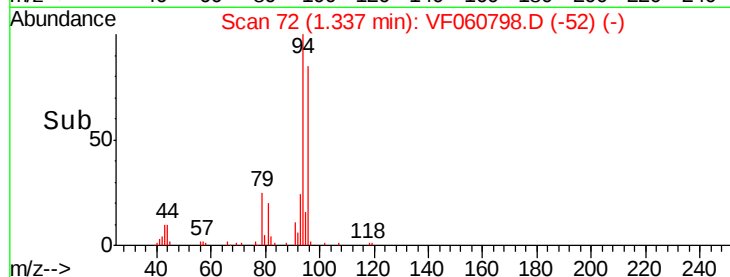
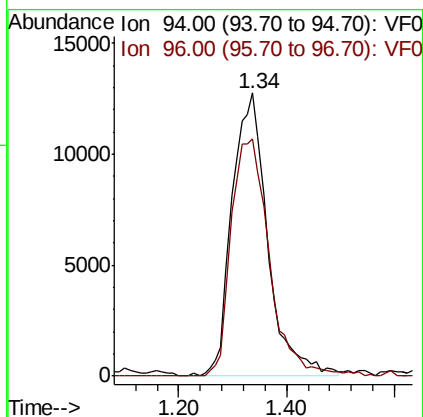
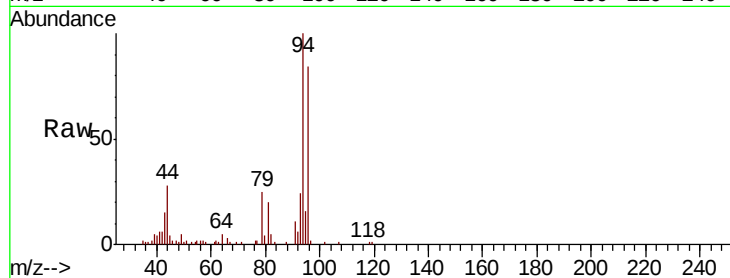
96 84.0 71.9 107.9

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#6

Chloroethane

Concen: 65.115 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060798.D

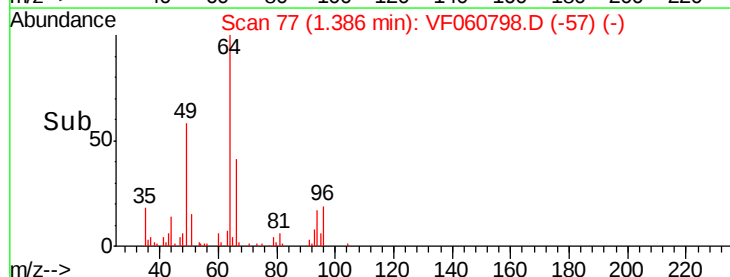
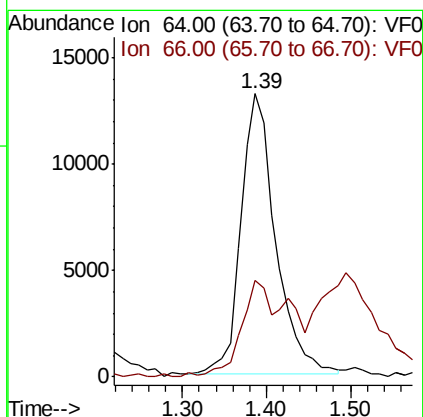
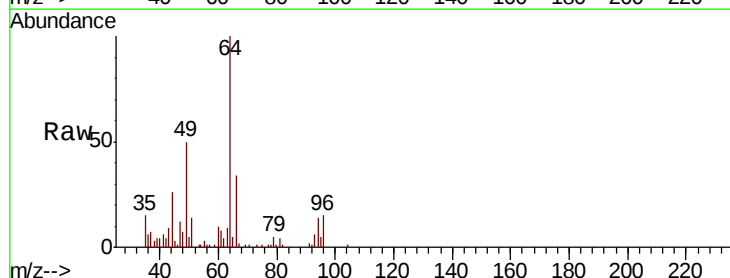
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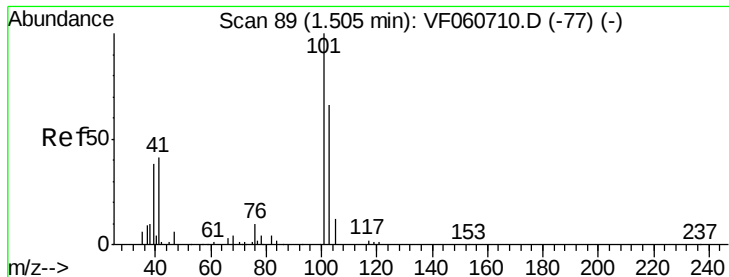
Tgt Ion: 64 Resp: 38175

Ion Ratio Lower Upper

64 100

66 33.9 24.8 37.2





#7

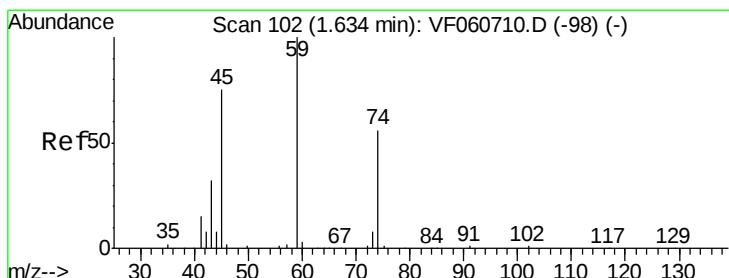
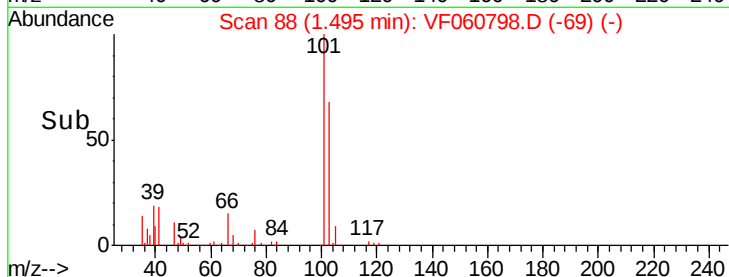
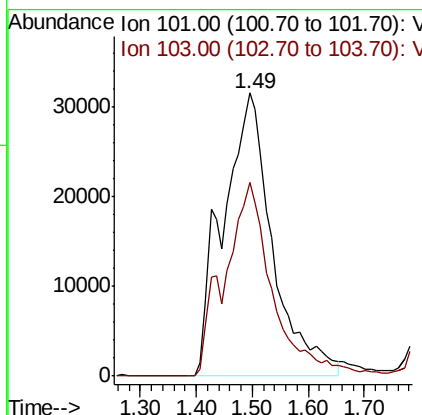
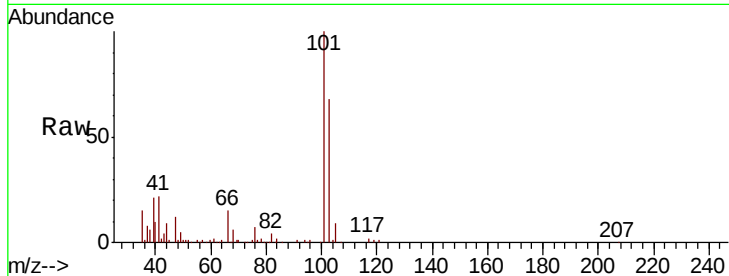
Trichlorofluoromethane
 Concen: 58.433 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	53.1	79.7

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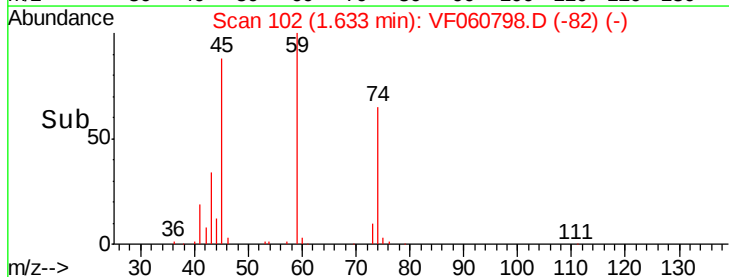
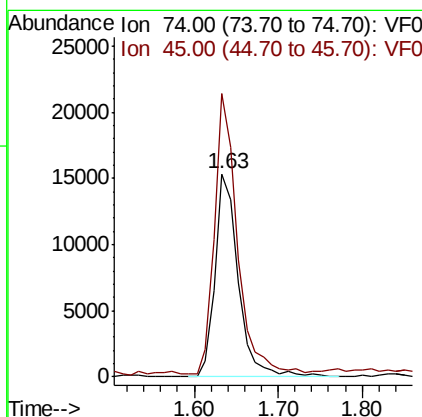
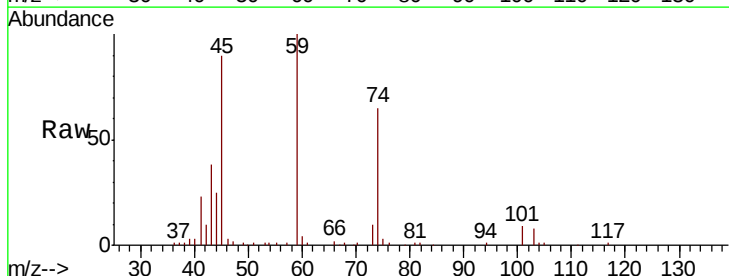
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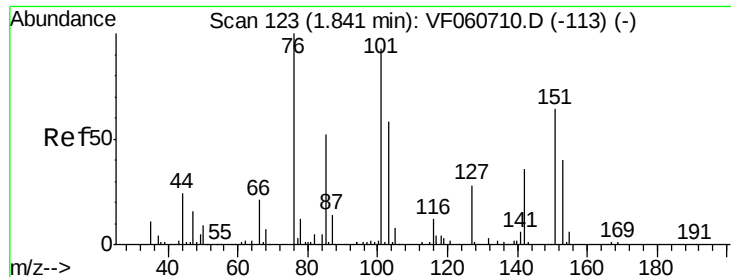


#8

Diethyl Ether
 Concen: 69.495 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.2	67.7	203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.530 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

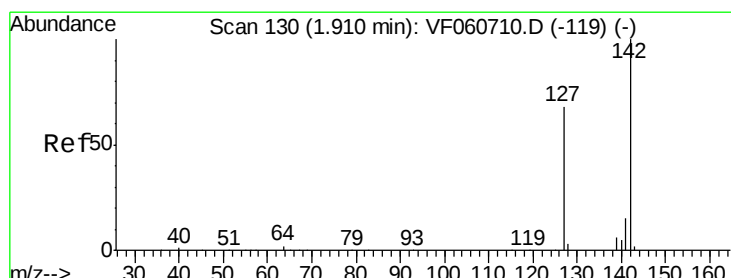
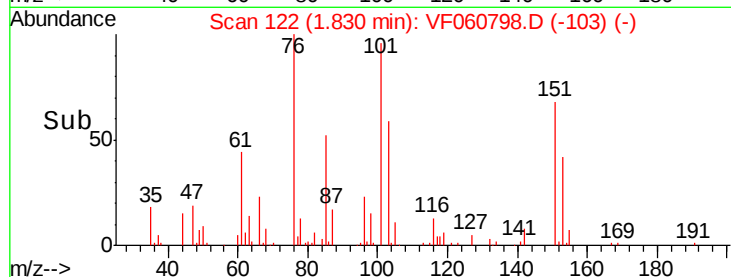
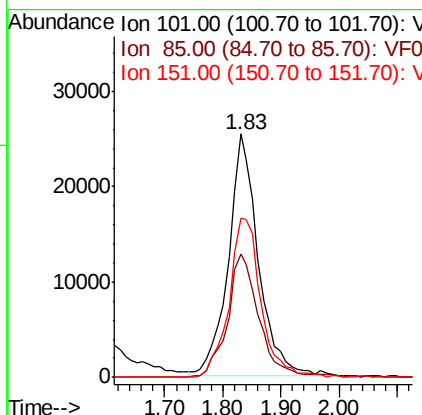
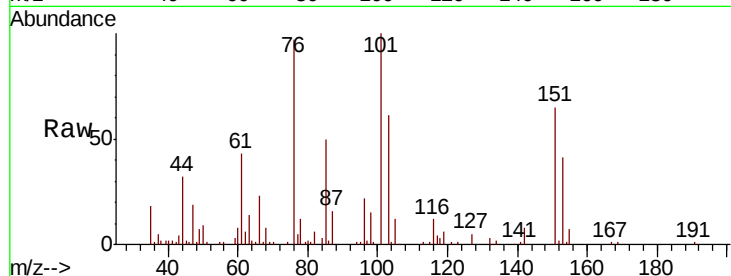
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	101	Resp:	89832
Ion Ratio	Lower	Upper	
101	100		
85	50.5	43.6	65.4
151	65.3	53.1	79.7

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#10

Methyl Iodide

Concen: 56.140 ug/l m

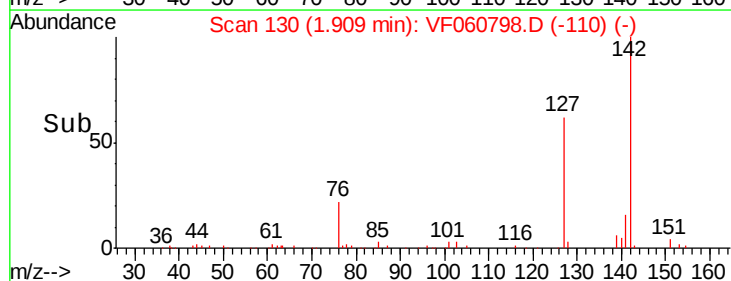
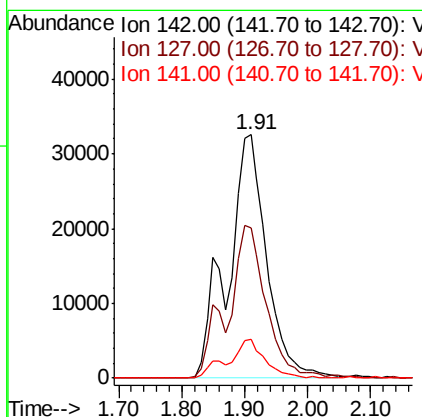
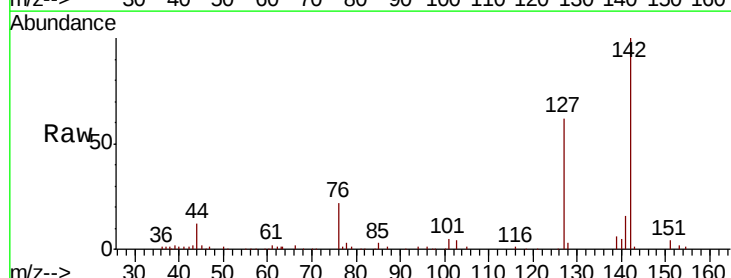
RT: 1.91 min Scan# 130

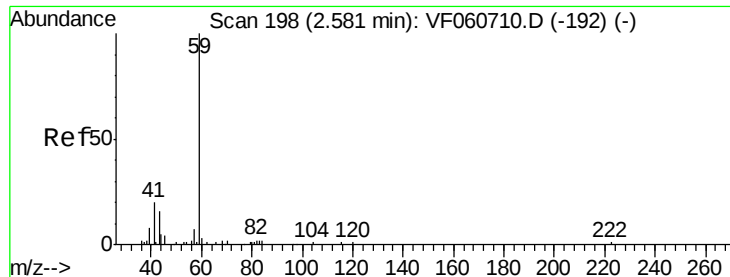
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	142	Resp:	140651
Ion Ratio	Lower	Upper	
142	100		
127	61.7	54.0	81.0
141	15.8	12.3	18.5





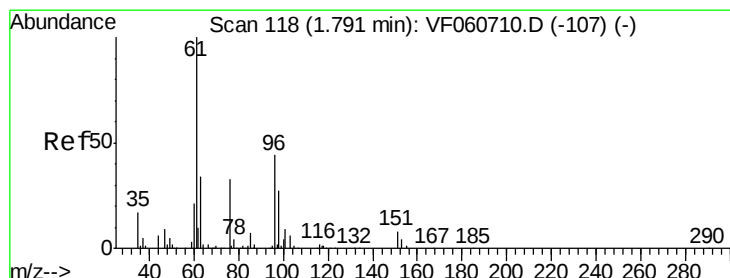
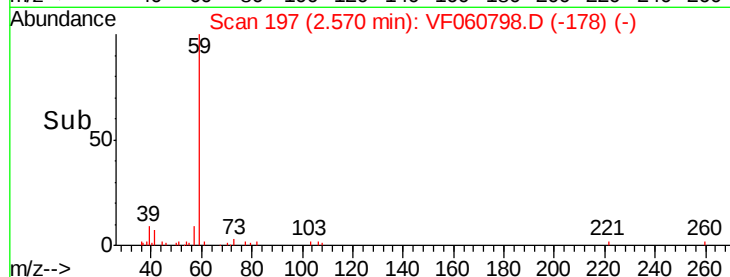
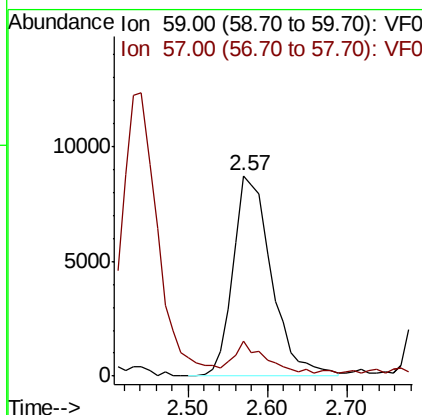
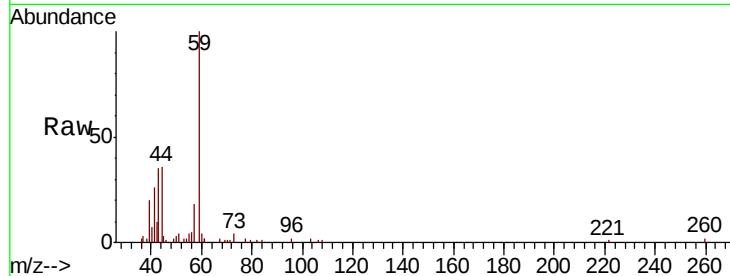
#11
Tert butyl alcohol
Concen: 374.671 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion: 59 Resp: 29353
Ion Ratio Lower Upper
59 100
57 17.5 10.5 15.7#

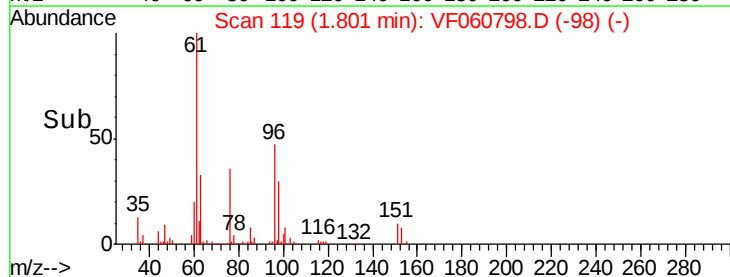
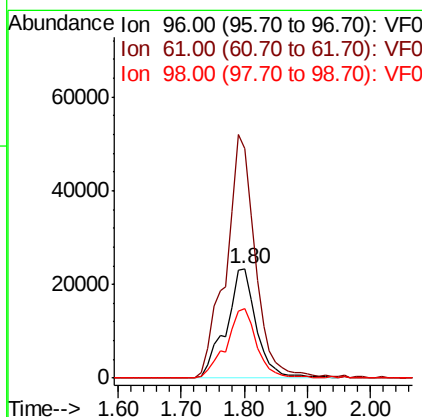
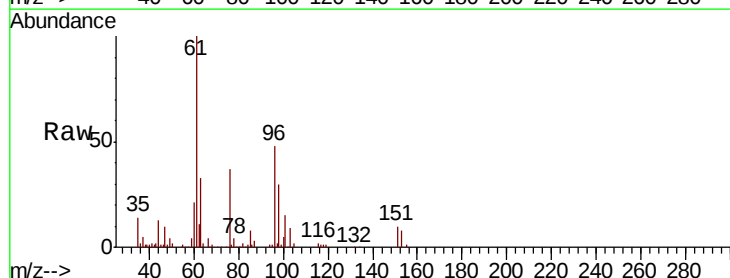
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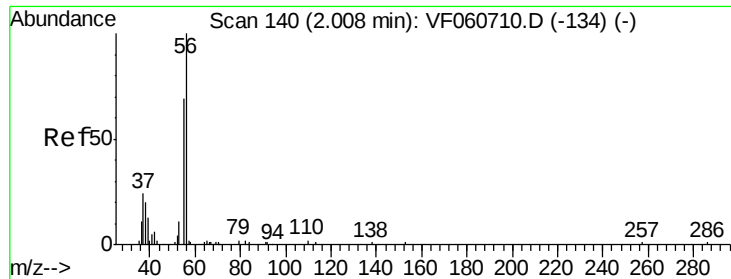
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#12
1,1-Dichloroethene
Concen: 63.321 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion: 96 Resp: 77965
Ion Ratio Lower Upper
96 100
61 209.8 182.2 273.2
98 63.6 49.2 73.8





#13

Acrolein

Concen: 208.898 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 56 Resp: 14964

Ion Ratio Lower Upper

56 100

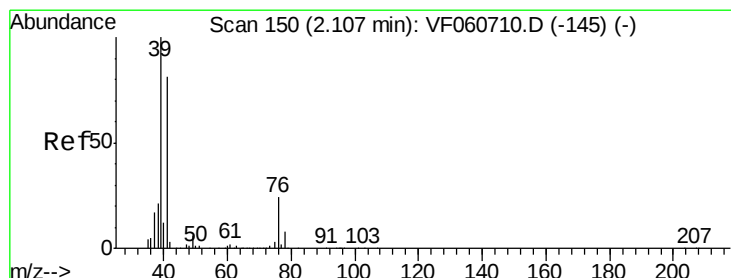
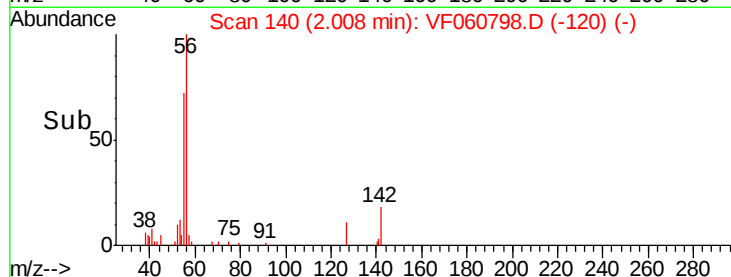
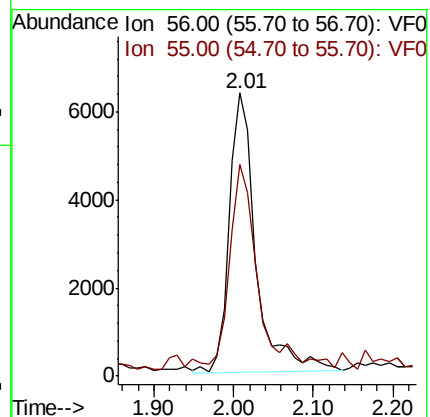
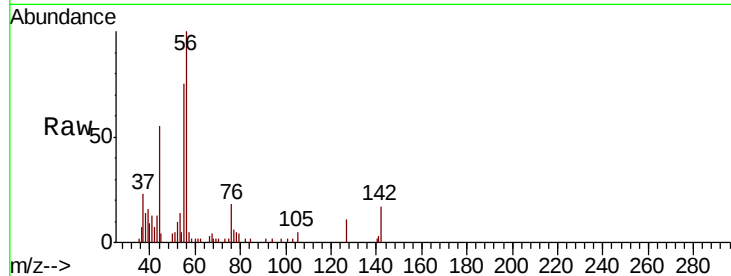
55 74.9 56.6 85.0

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#14

Allyl chloride

Concen: 53.098 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

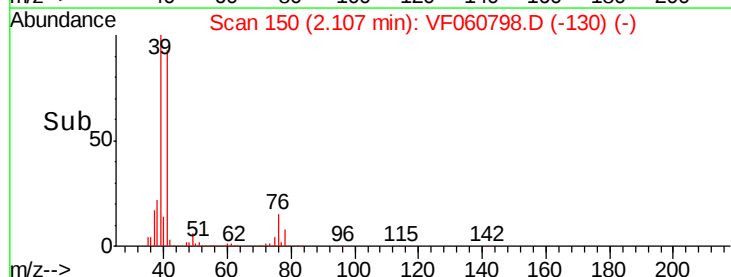
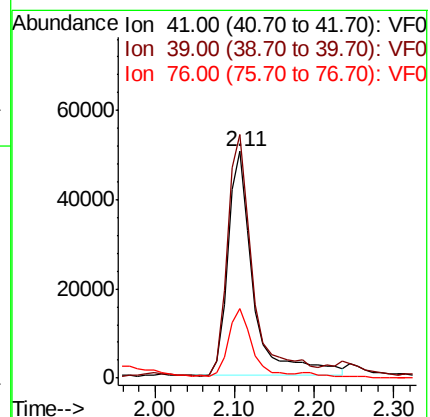
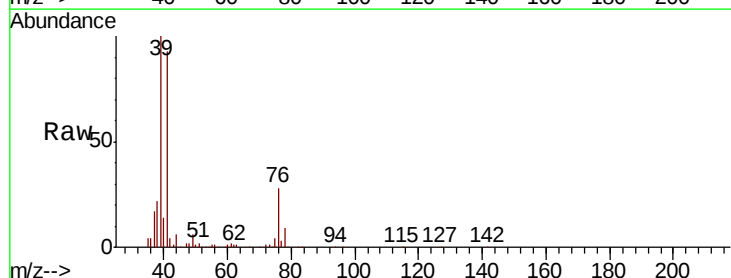
Tgt Ion: 41 Resp: 114533

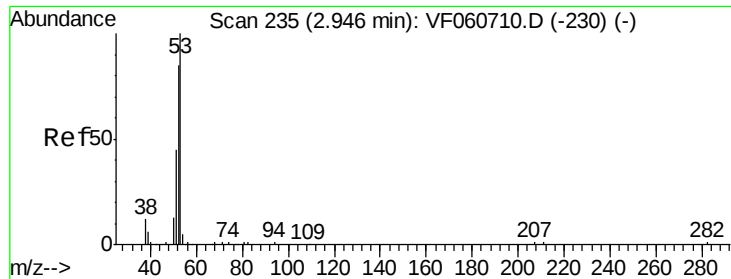
Ion Ratio Lower Upper

41 100

39 107.4 98.5 147.7

76 30.6 24.5 36.7





#15

Acrylonitrile

Concen: 393.534 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

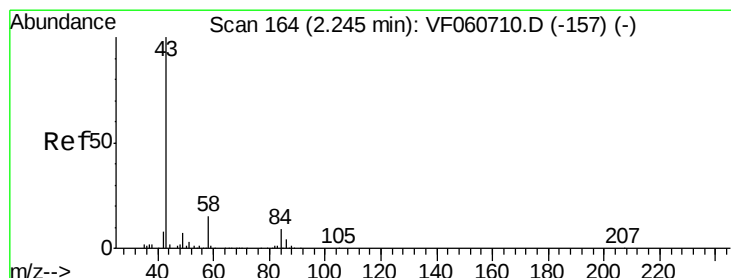
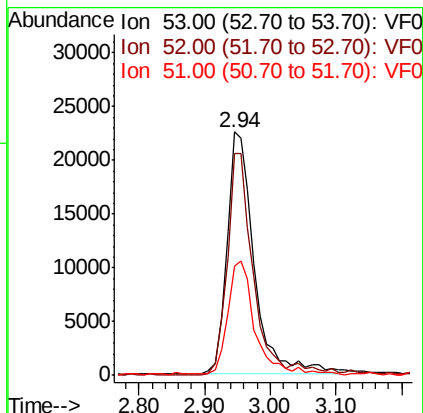
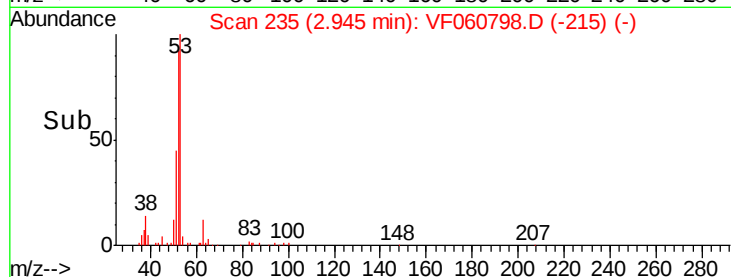
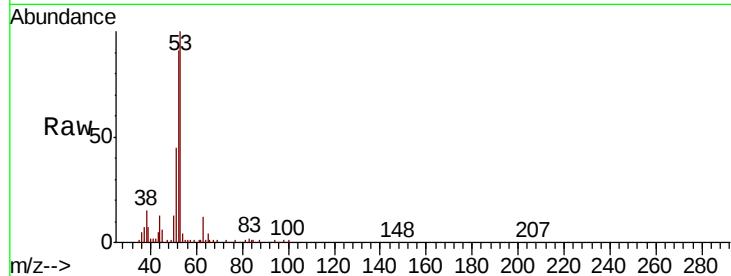
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	53	Resp:	65696
Ion	Ratio	Lower	Upper
53	100		
52	91.1	68.8	103.2
51	45.1	36.7	55.1

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#16

Acetone

Concen: 391.345 ug/l

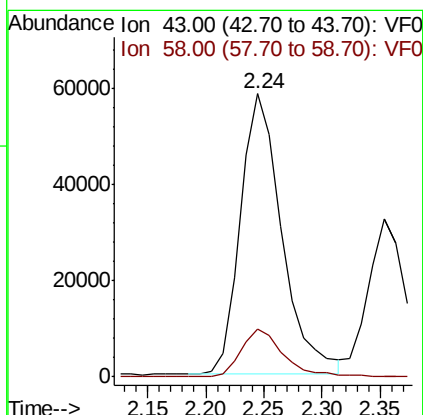
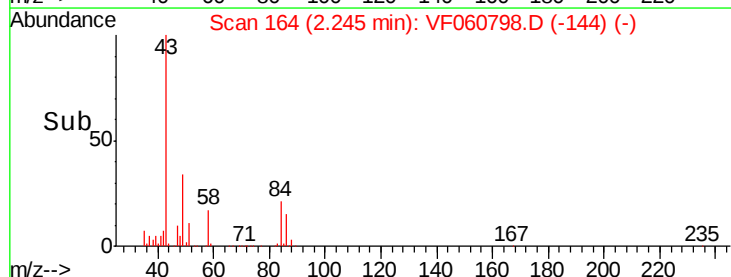
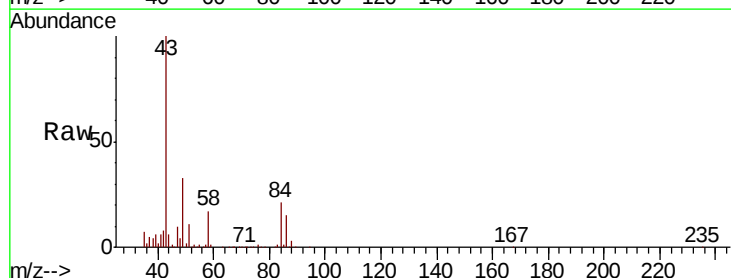
RT: 2.24 min Scan# 164

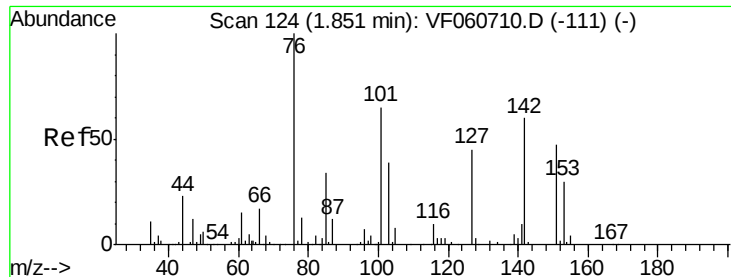
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	43	Resp:	143992
Ion	Ratio	Lower	Upper
43	100		
58	17.0	11.6	17.4





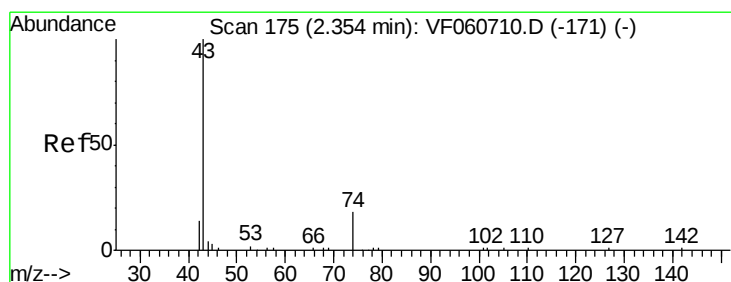
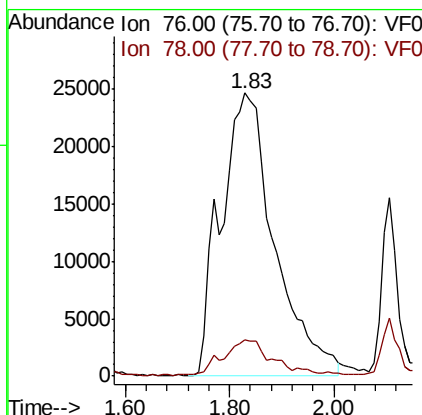
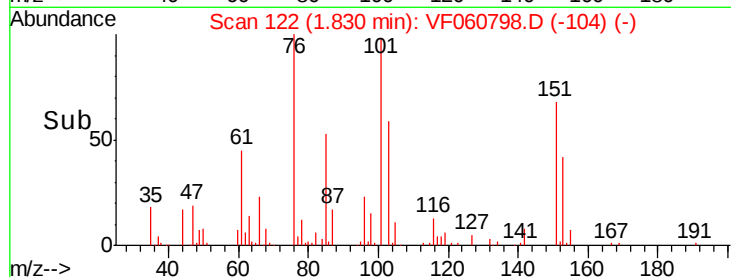
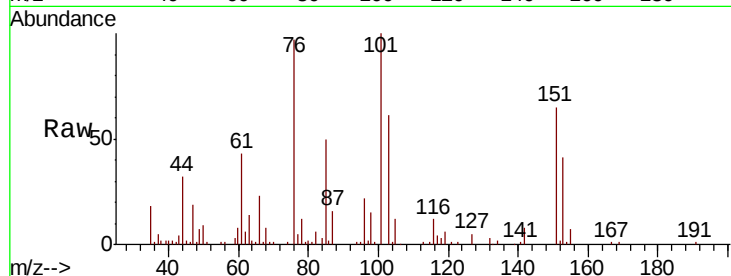
#17
Carbon Disulfide
Concen: 46.853 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion: 76 Resp: 174357
Ion Ratio Lower Upper
76 100
78 12.7 10.5 15.7

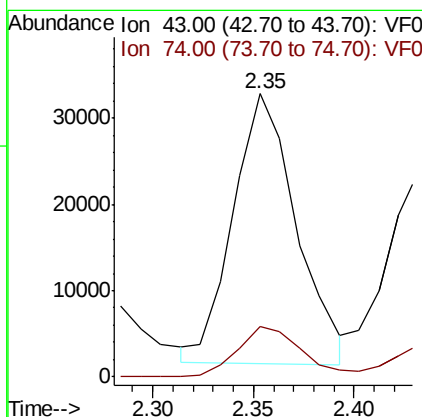
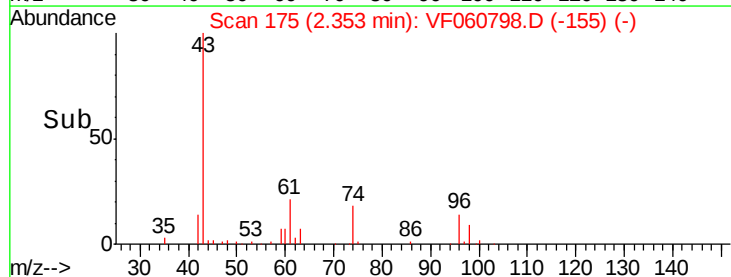
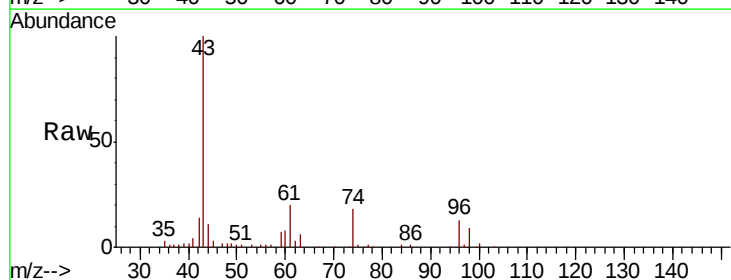
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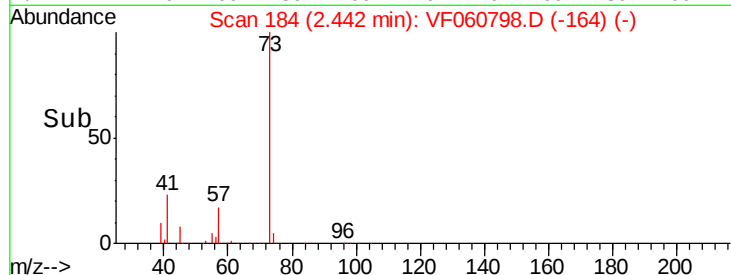
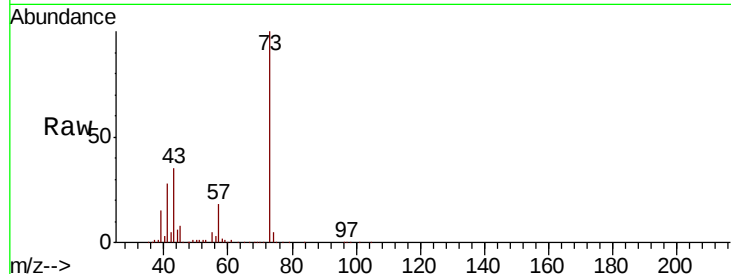
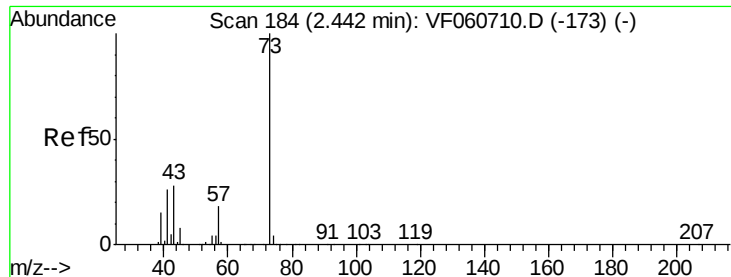
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#18
Methyl Acetate
Concen: 113.136 ug/l m
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion: 43 Resp: 68354
Ion Ratio Lower Upper
43 100
74 18.0 11.8 17.8#





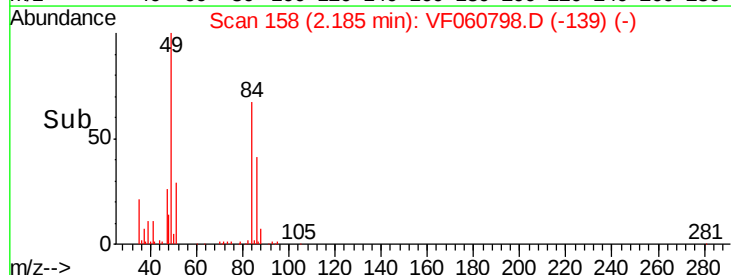
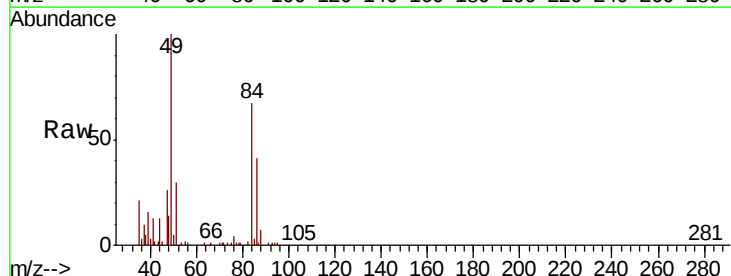
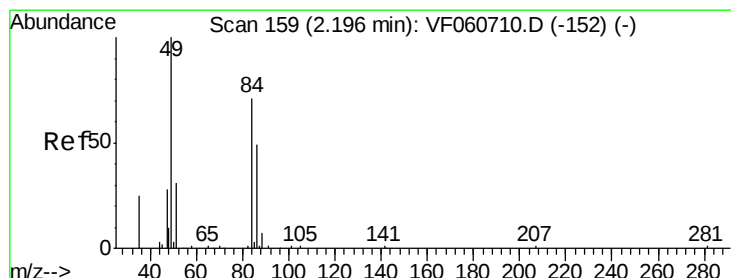
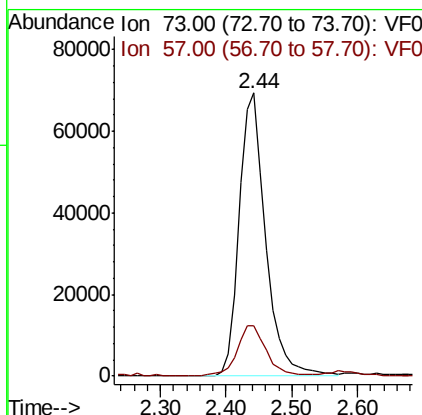
#19
Methyl tert-butyl Ether
Concen: 66.508 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	14.3	21.5

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

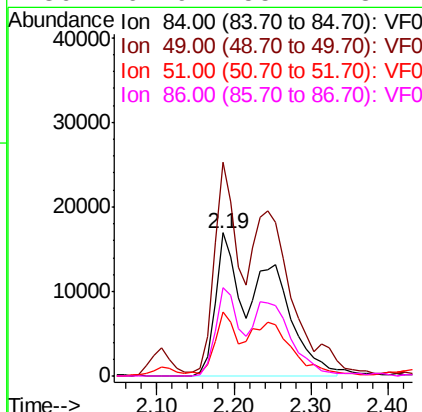
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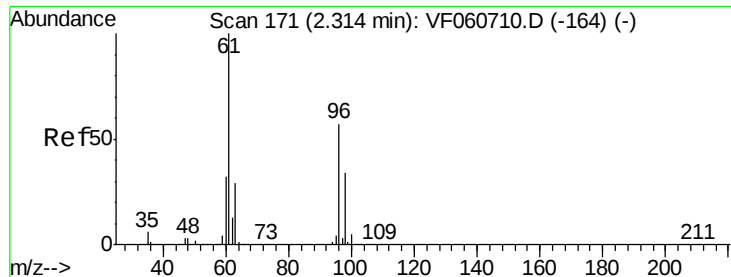
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#20
Methylene Chloride
Concen: 66.607 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.6	120.2	180.4
51	44.4	37.2	55.8
86	61.9	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 55.861 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

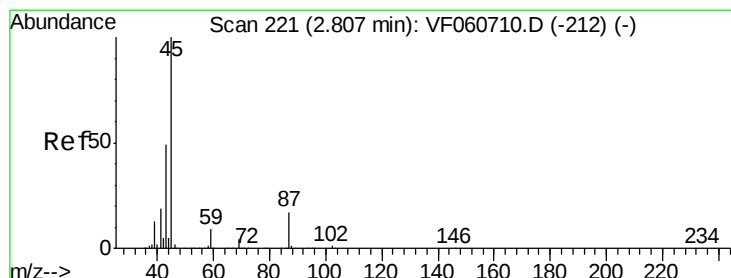
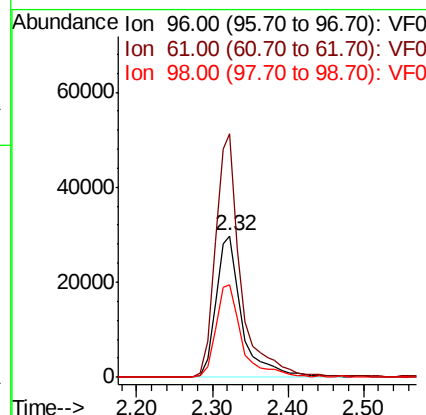
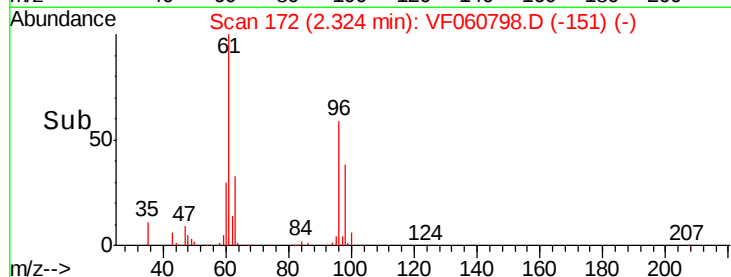
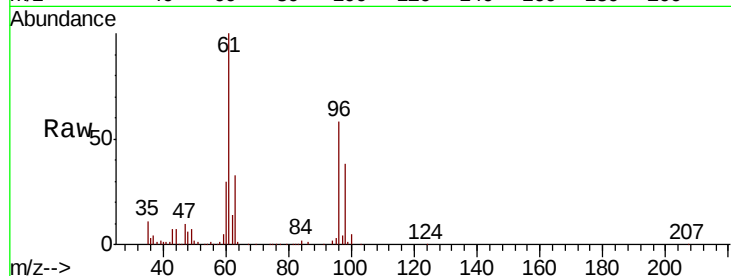
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	96	Resp:	71860
Ion	Ratio	Lower	Upper
96	100		
61	171.7	141.6	212.4
98	65.3	47.4	71.0

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#22

Diisopropyl ether

Concen: 71.061 ug/l

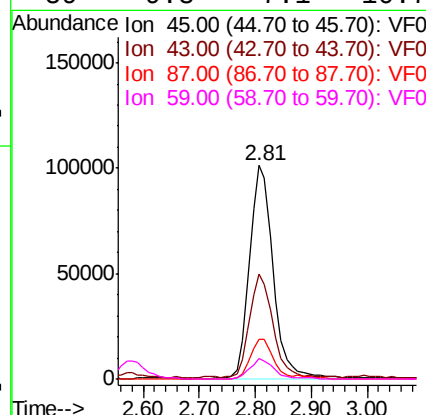
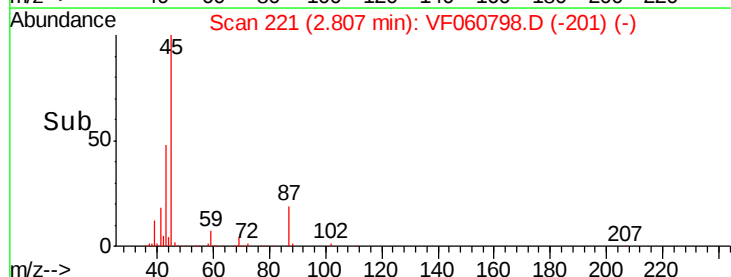
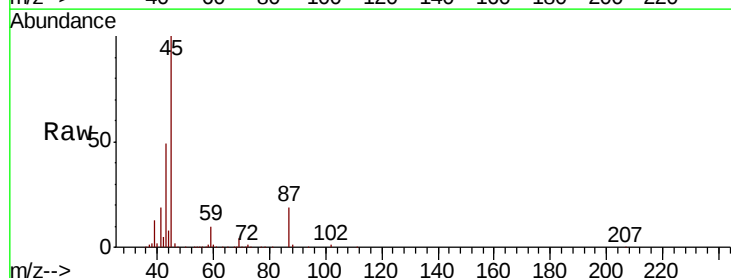
RT: 2.81 min Scan# 221

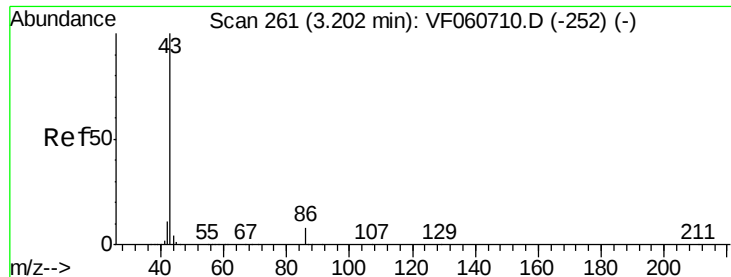
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	45	Resp:	295930
Ion	Ratio	Lower	Upper
45	100		
43	49.2	39.9	59.9
87	18.8	13.9	20.9
59	9.8	7.1	10.7





#23

Vinyl Acetate

Concen: 208.085 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 43 Resp: 408058

Ion Ratio Lower Upper

43 100

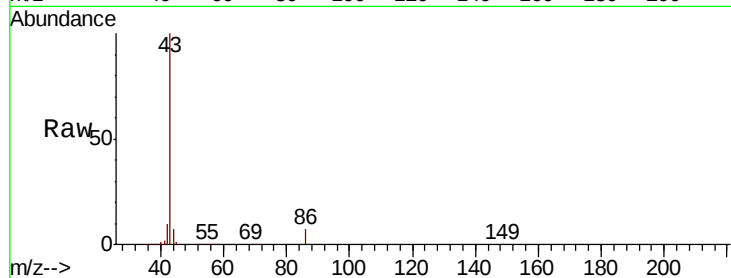
86 7.3 6.4 9.6

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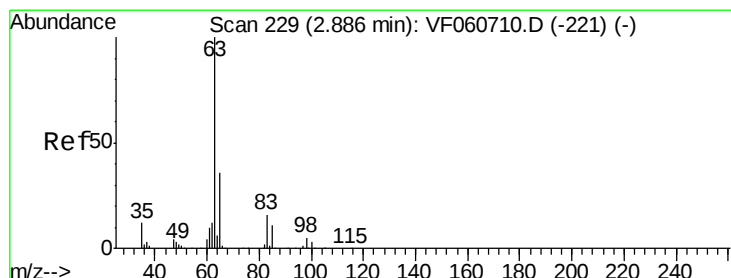
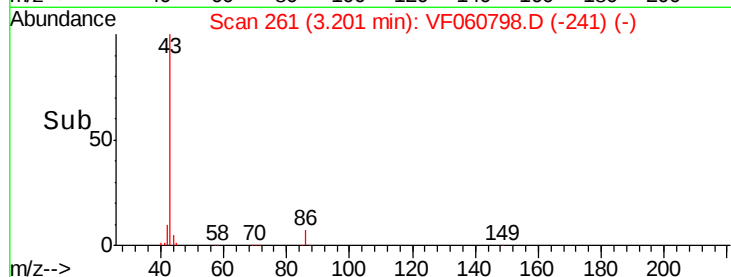
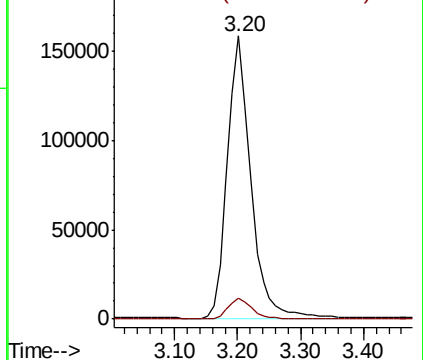
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 64.986 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

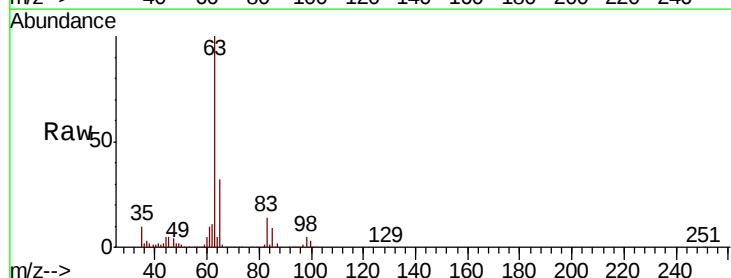
Tgt Ion: 63 Resp: 163843

Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

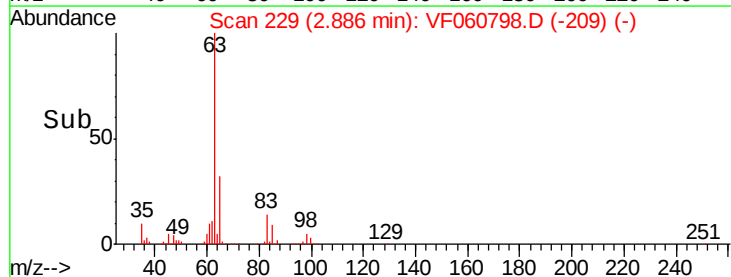
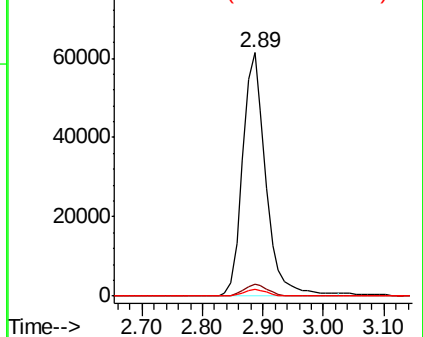
100 3.0 1.4 4.2

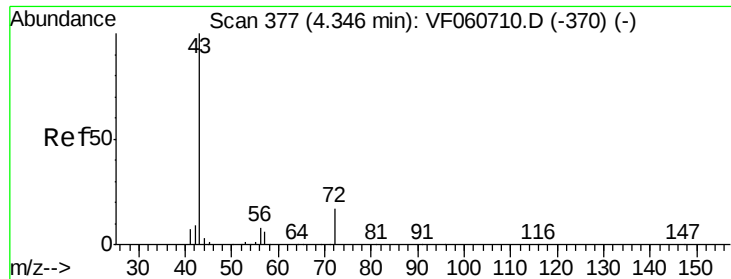


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 326.342 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 43 Resp: 197503

Ion Ratio Lower Upper

43 100

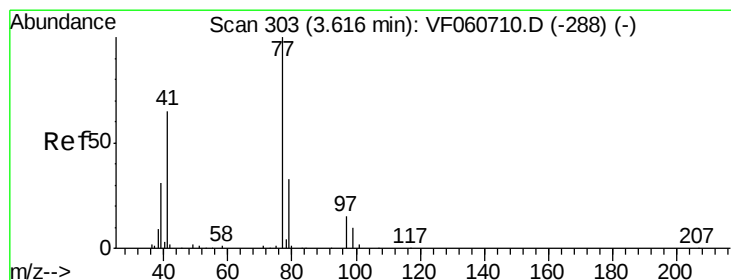
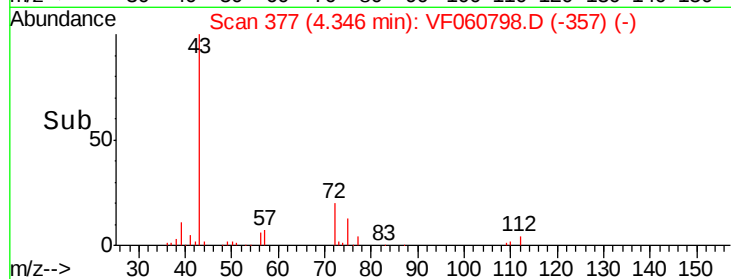
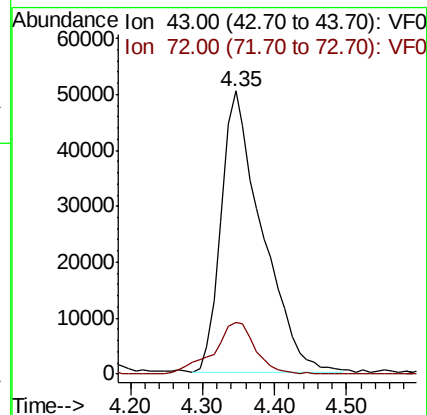
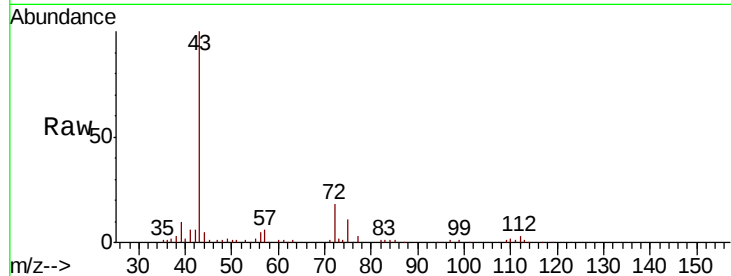
72 18.1 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 54.101 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF060798.D

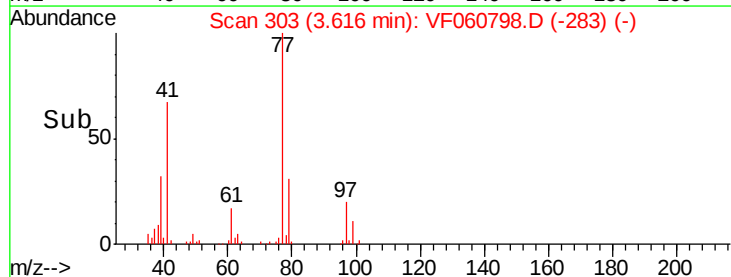
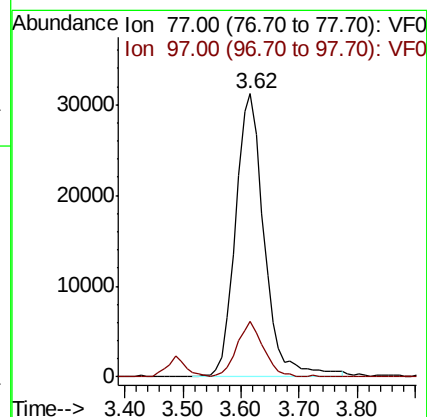
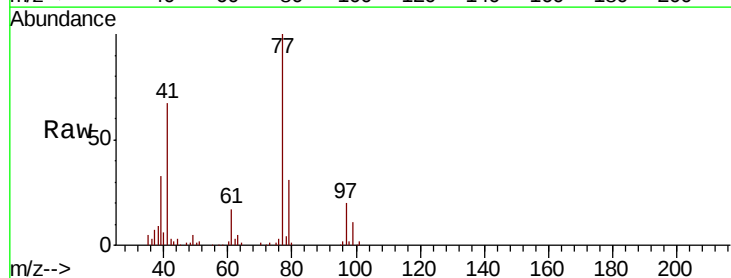
Acq: 20 Nov 2018 1:45

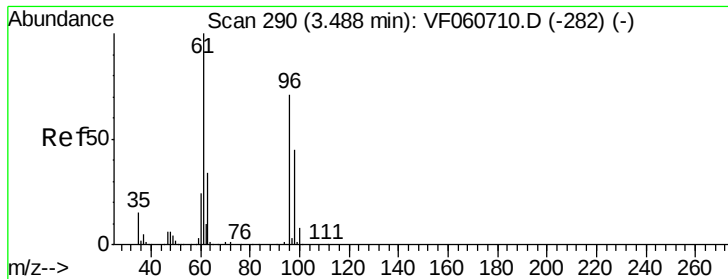
Tgt Ion: 77 Resp: 107337

Ion Ratio Lower Upper

77 100

97 19.7 8.8 26.5





#27

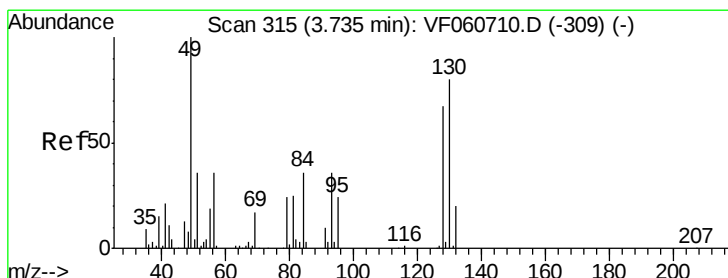
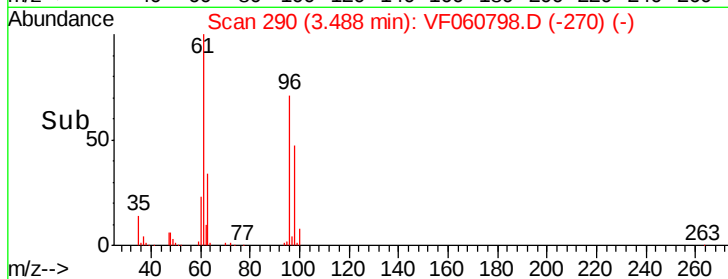
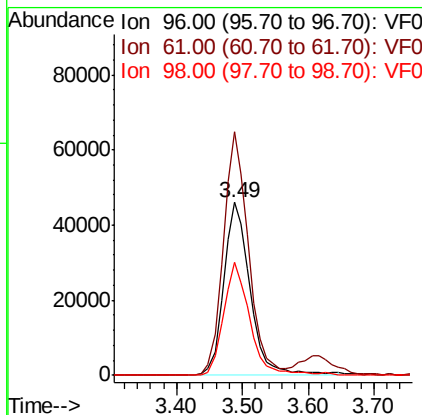
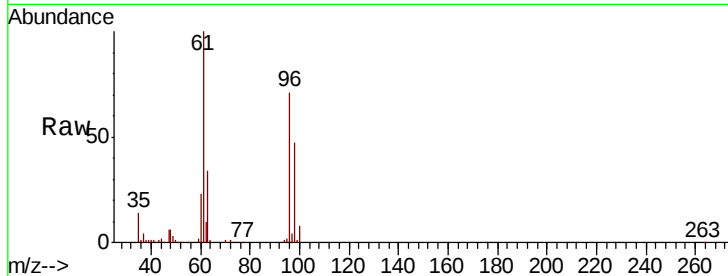
cis-1,2-Dichloroethene
 Concen: 58.977 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	280.6
98	65.5	0.0	127.6

Manual Integrations
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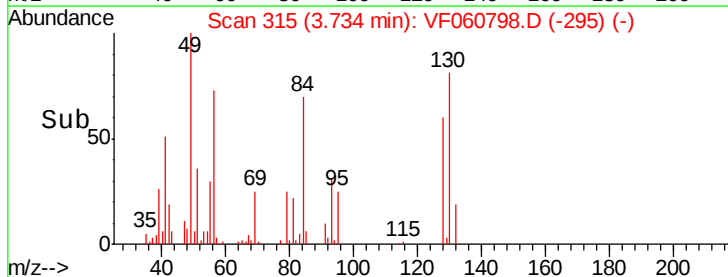
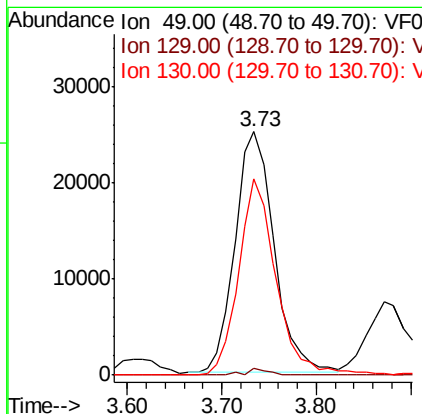
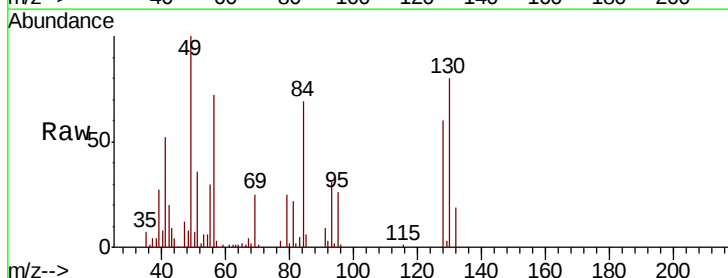
apatel
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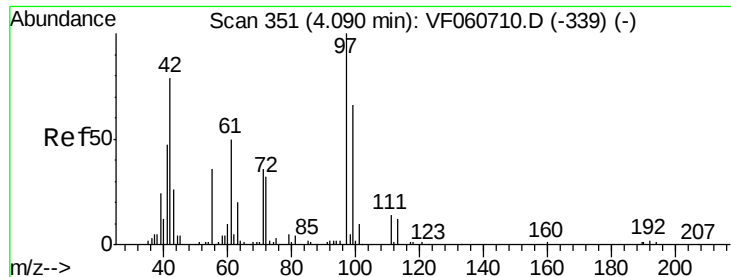


#28

Bromochloromethane
 Concen: 54.803 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	80.5	63.9	95.9





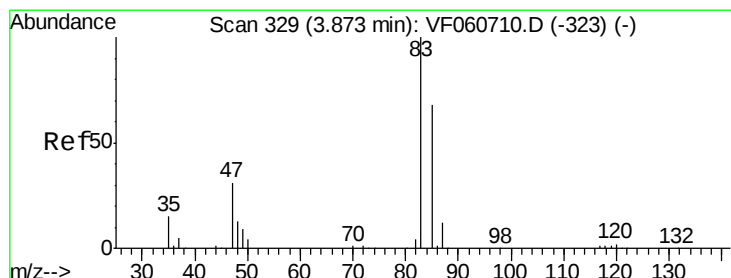
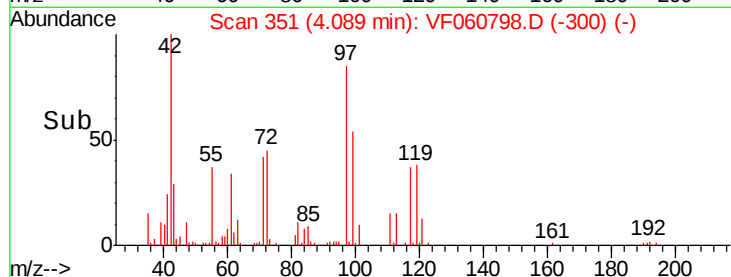
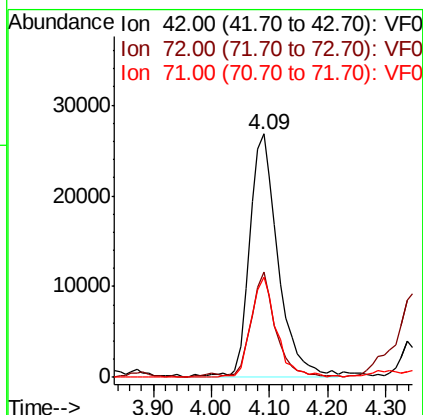
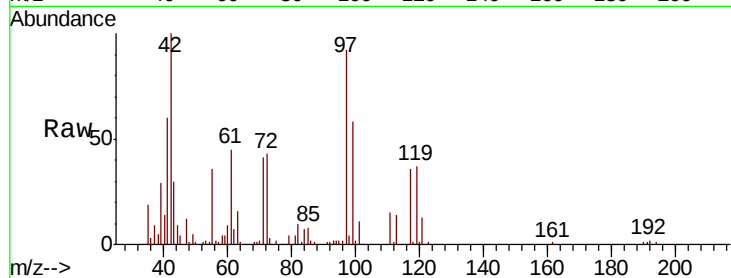
#29
Tetrahydrofuran
Concen: 370.232 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.3	45.5
71	36.5	32.2	48.2

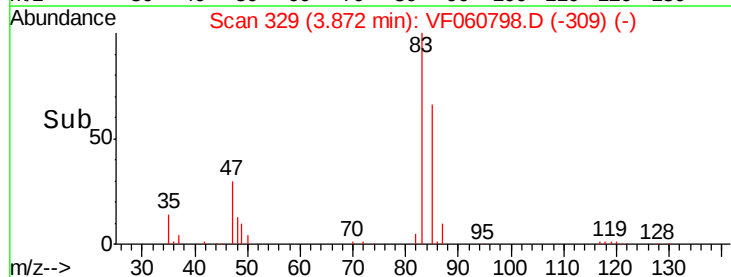
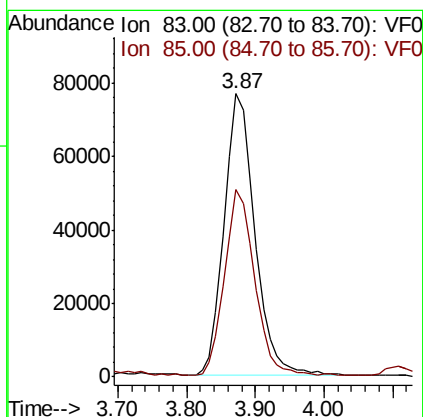
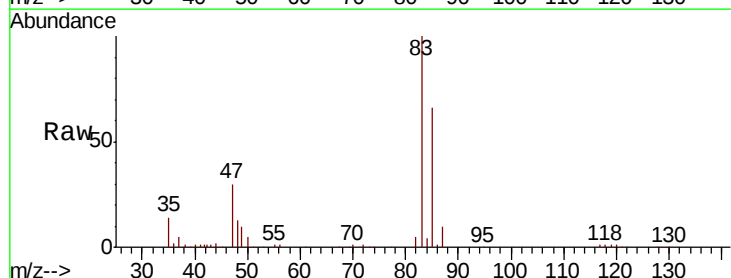
Manual Integrations
APPROVED

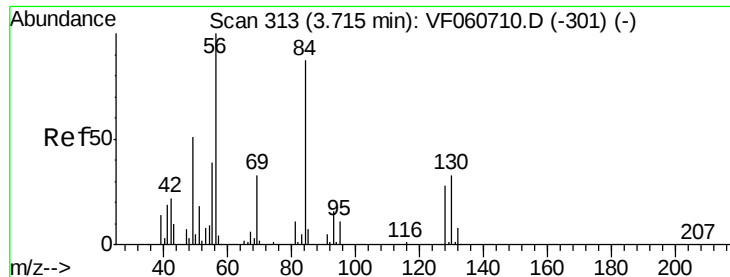
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#30
Chloroform
Concen: 58.588 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	54.6	82.0





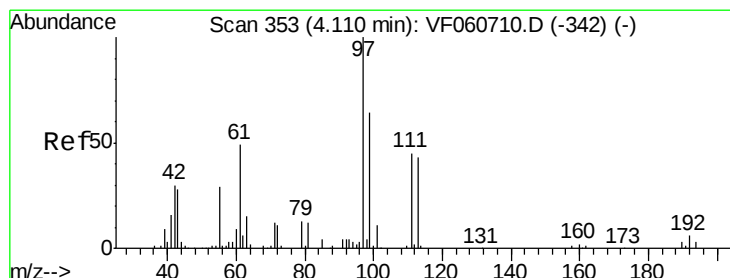
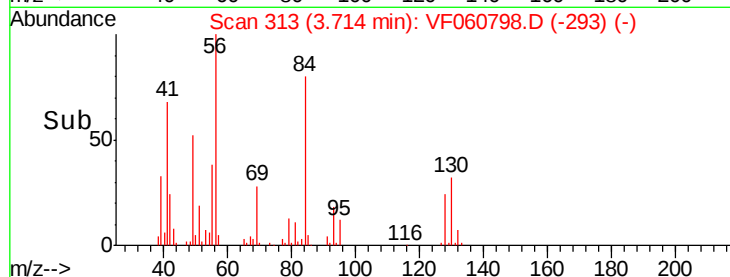
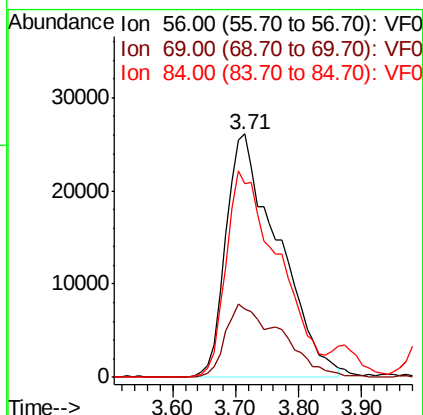
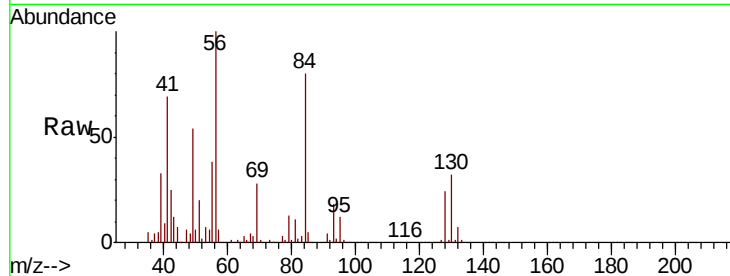
#31
Cyclohexane
Concen: 49.076 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	26.0	39.0
84	79.7	69.4	104.2

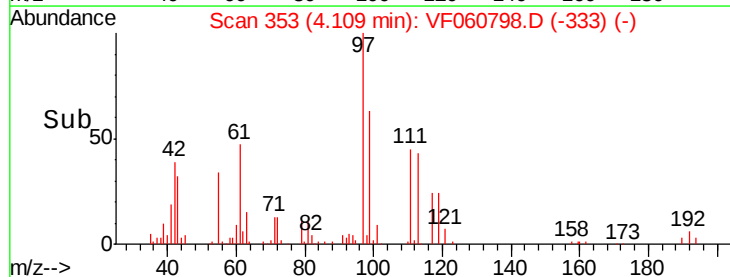
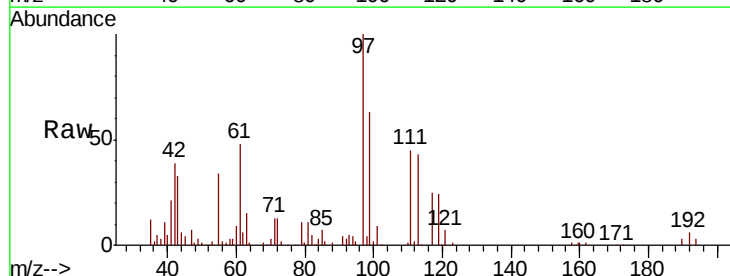
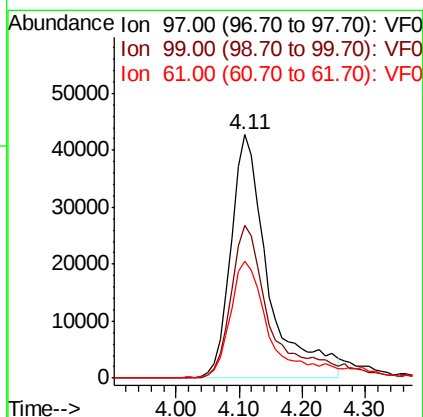
Manual Integrations
APPROVED

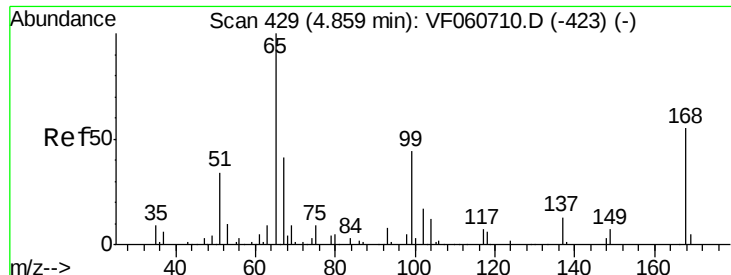
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#32
1,1,1-Trichloroethane
Concen: 55.237 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.1	76.7
61	47.8	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 50.779 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tot Ion: 65 Resp: 87412

Ion Ratio Lower Upper

65 100

67 47.0 0.0 90.2

Instrument :

MSVOA_F

ClientSampleId :

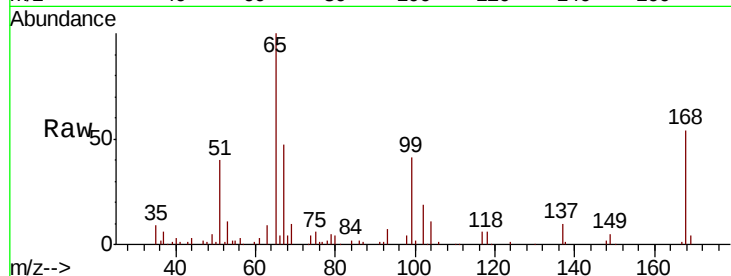
VTW-01(7-10)MSD

Manual Integrations

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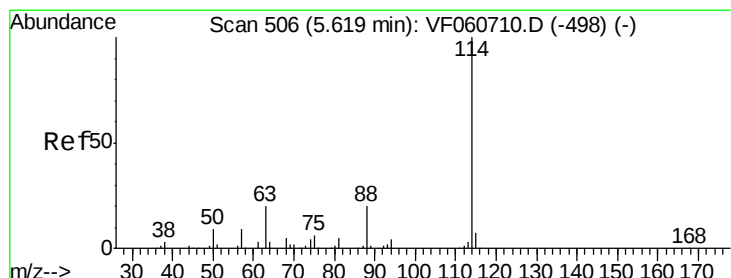
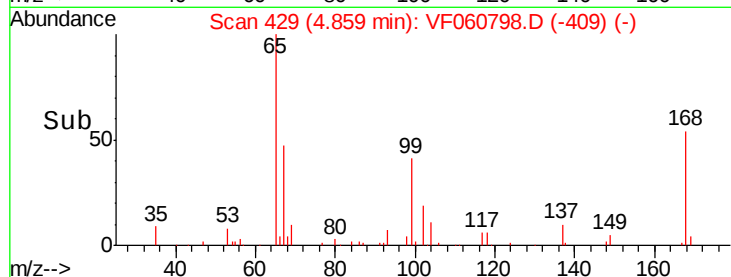
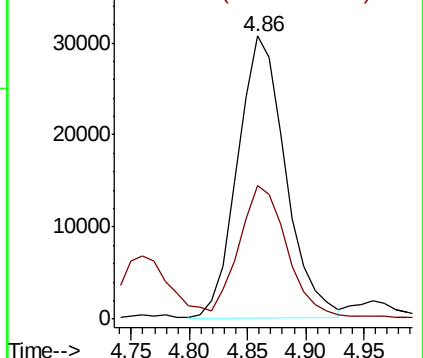
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

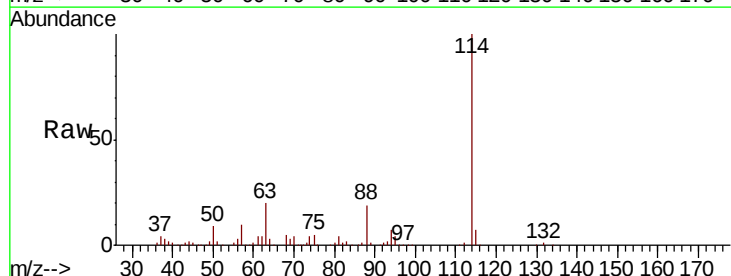
Tgt Ion: 114 Resp: 277620

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

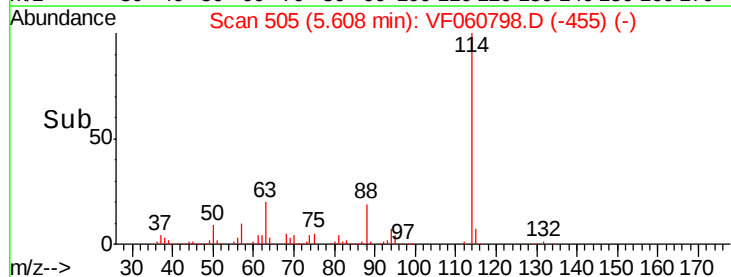
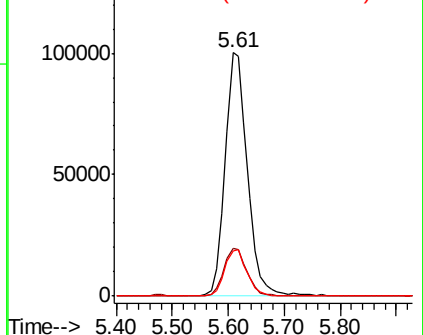
88 18.7 0.0 39.6

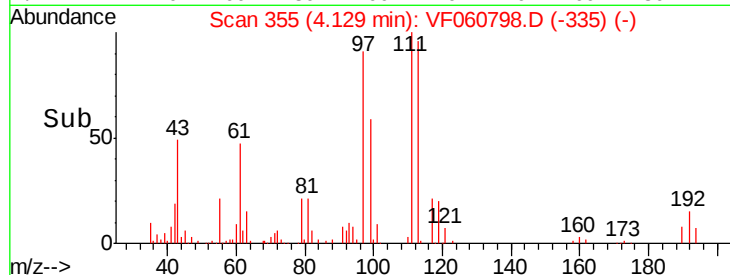
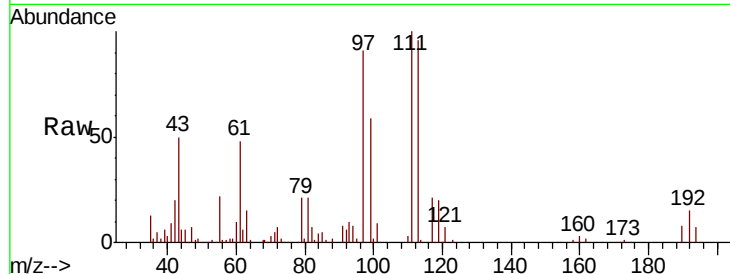
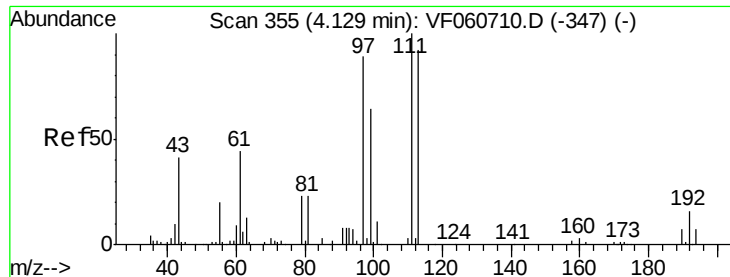


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





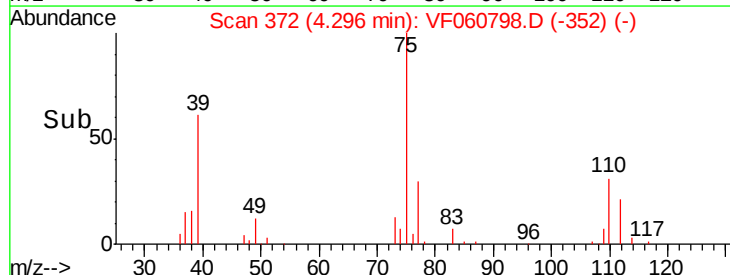
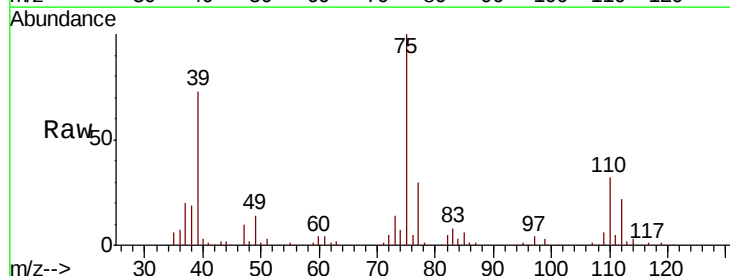
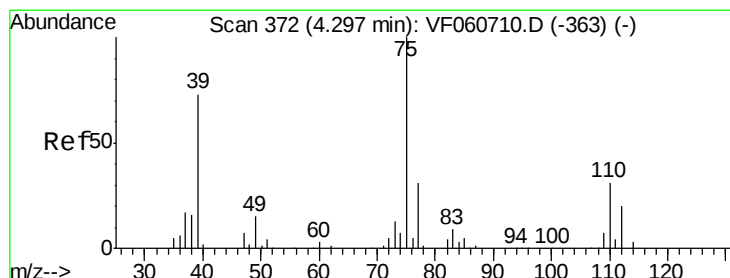
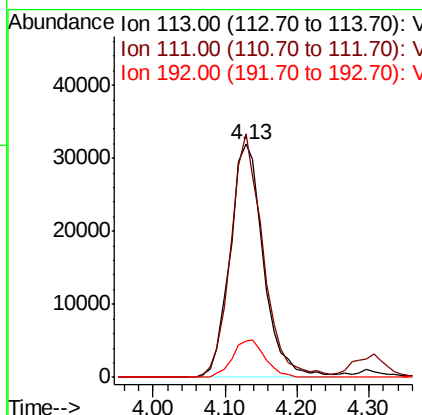
#35
Dibromofluoromethane
Concen: 49.618 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103545		
111	104.5	87.1	130.7	
192	15.7	13.8	20.6	

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

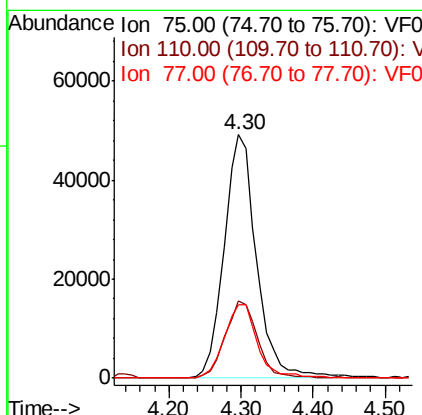
Manual Integrations
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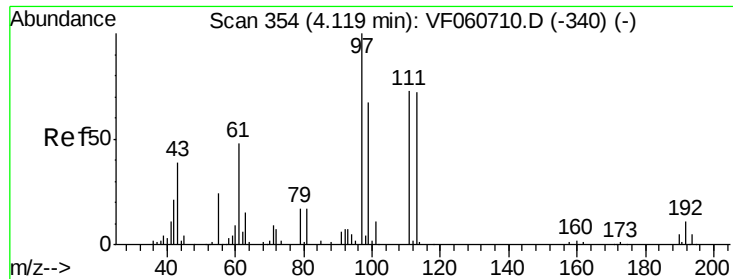
apatel
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#36
1,1-Dichloropropene
Concen: 47.658 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153444		
110	31.8	15.6	46.8	
77	30.0	25.0	37.6	





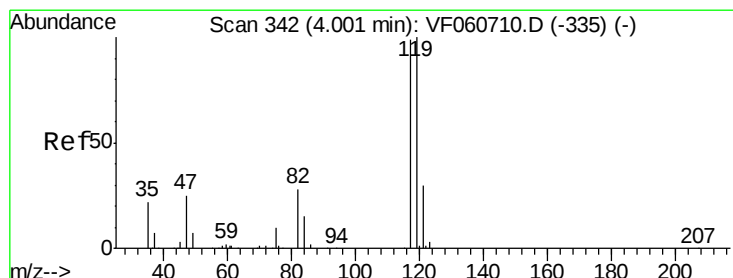
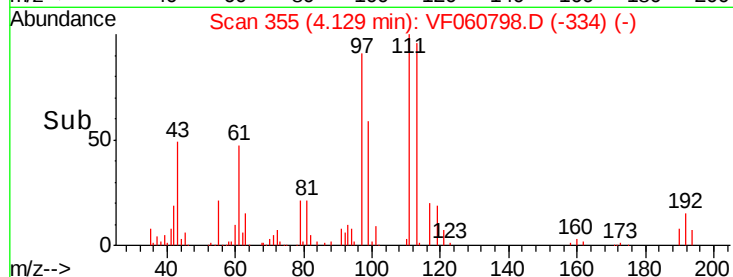
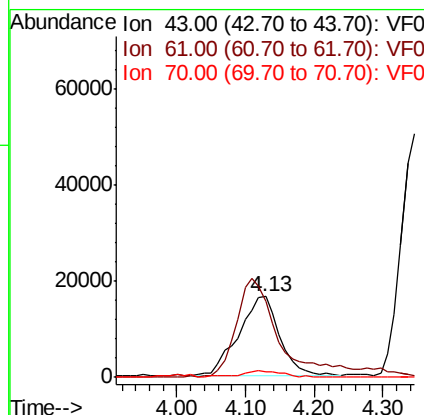
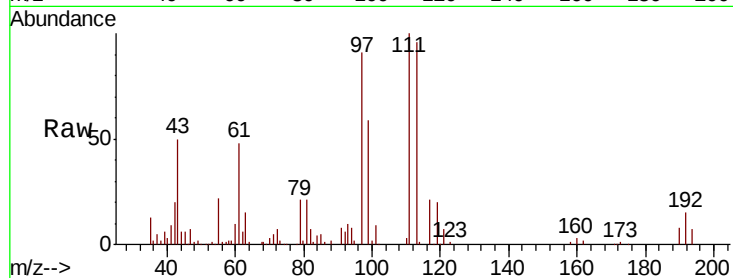
#37
Ethyl Acetate
Concen: 56.215 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	43	61	70
Resp	67291	94.2	6.3
Lower		98.5	7.4
Upper		147.7#	11.0#

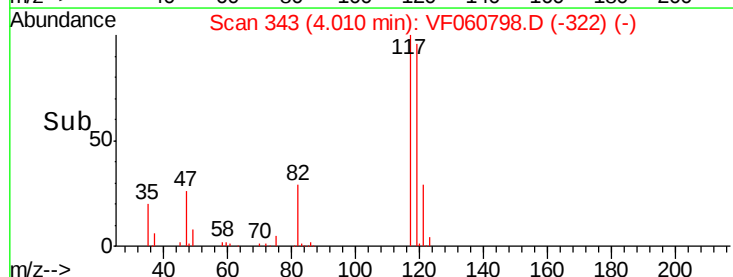
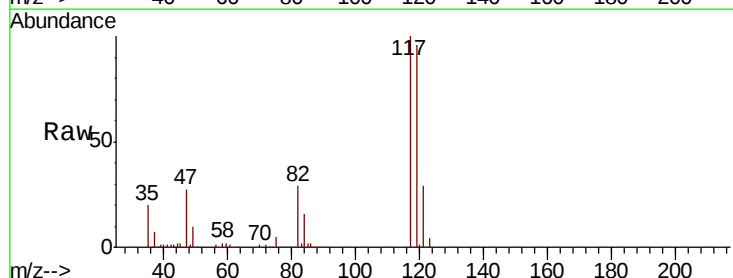
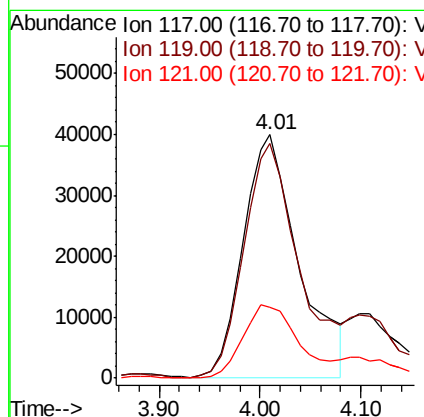
Manual Integrations
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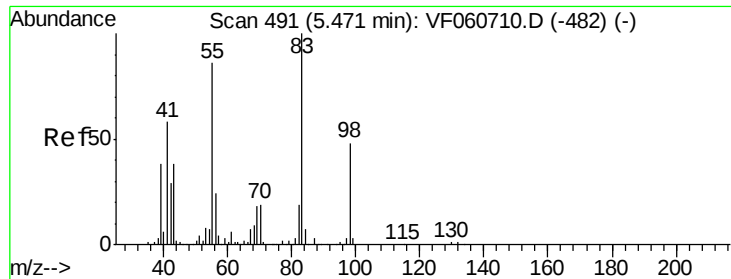
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#38
Carbon Tetrachloride
Concen: 49.143 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	117	119	121
Resp	153530	96.4	29.1
Lower		80.7	24.3
Upper		121.1	36.5





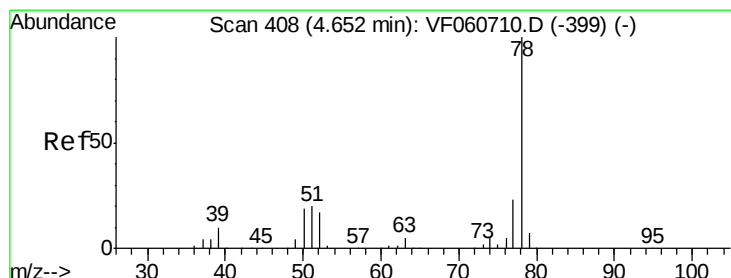
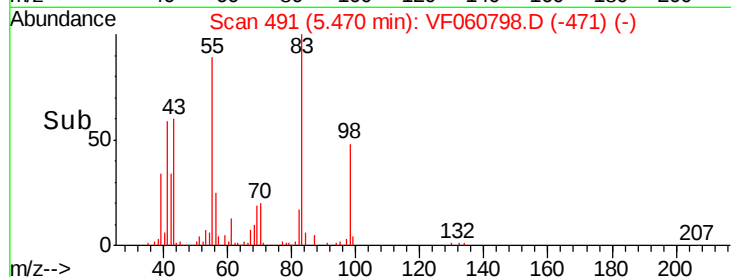
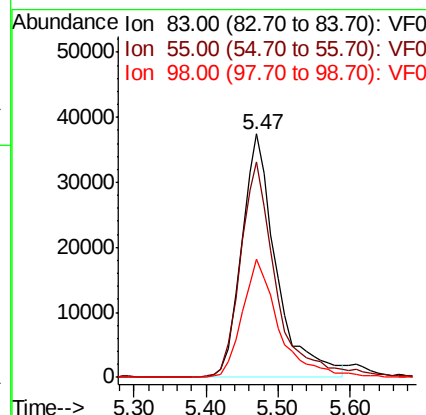
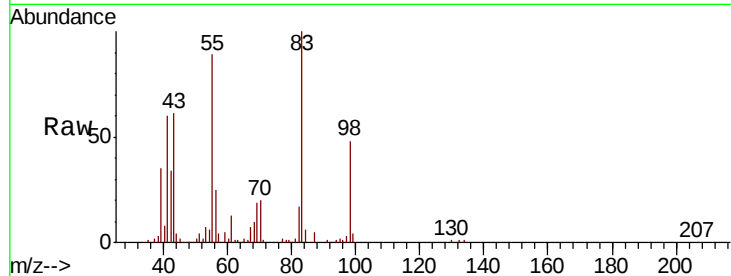
#39
Methvlcvclohexane
Concen: 33.743 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	69.0	103.4
98	48.4	38.5	57.7

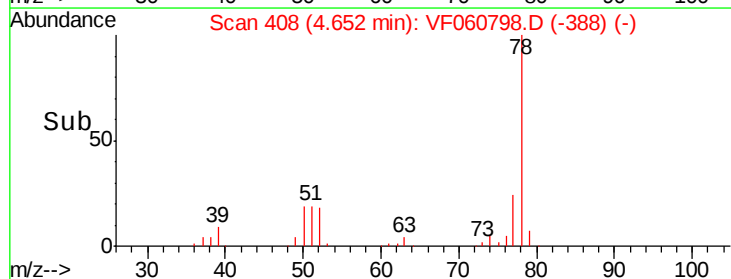
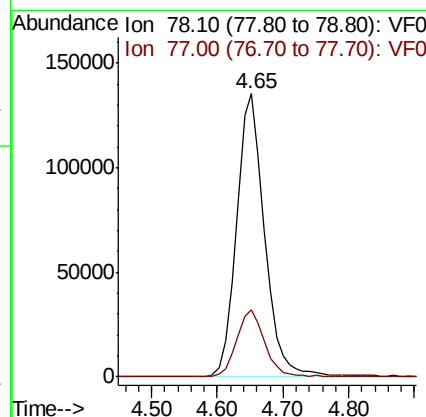
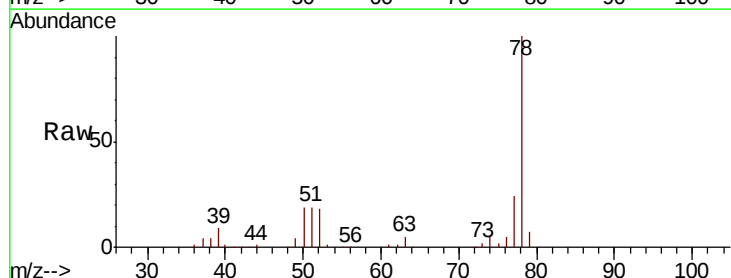
Manual Integrations
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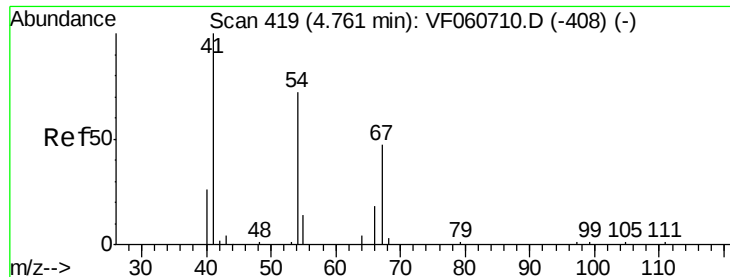
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#40
Benzene
Concen: 56.210 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





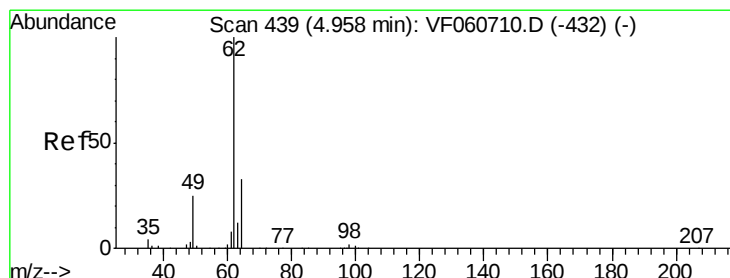
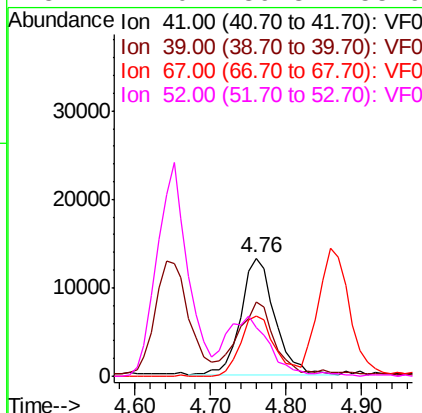
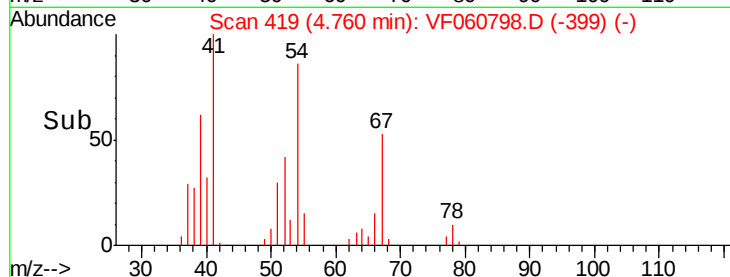
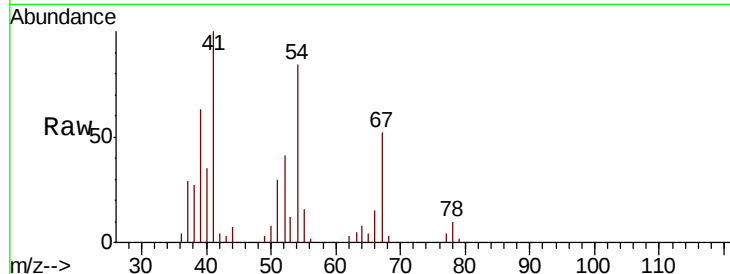
#41
Methacrylonitrile
Concen: 64.958 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion:	41	Resp:	40630
Ion Ratio	Lower	Upper	
41	100		
39	62.9	47.1	70.7
67	51.6	37.1	55.7
52	41.0	39.3	58.9

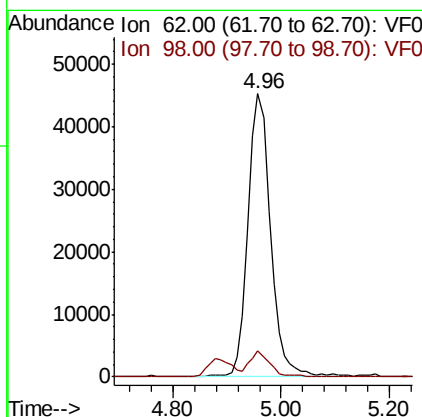
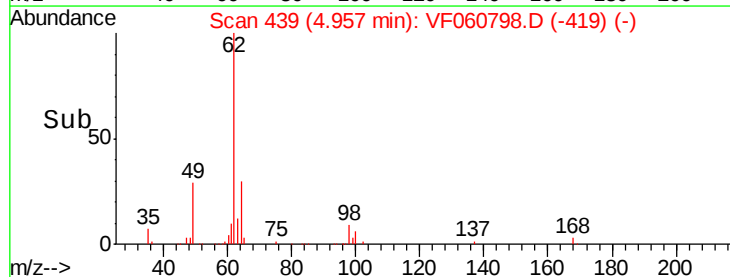
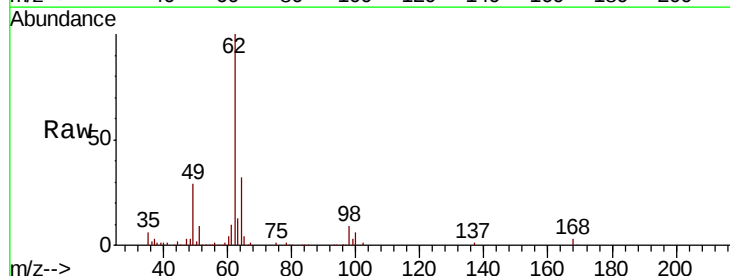
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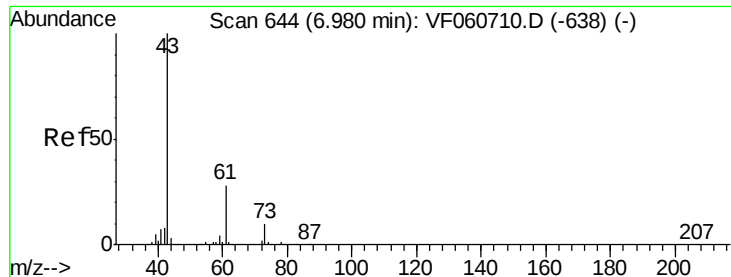
apatel
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#42
1,2-Dichloroethane
Concen: 53.224 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion:	62	Resp:	132009
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	16.6





#43

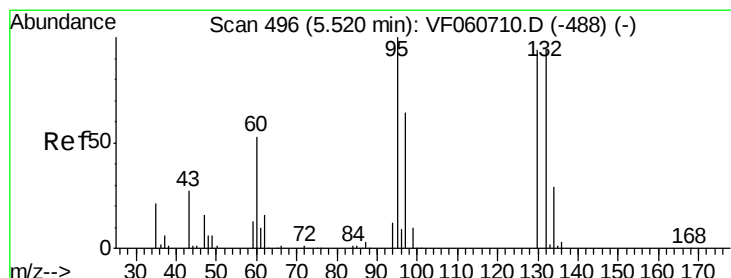
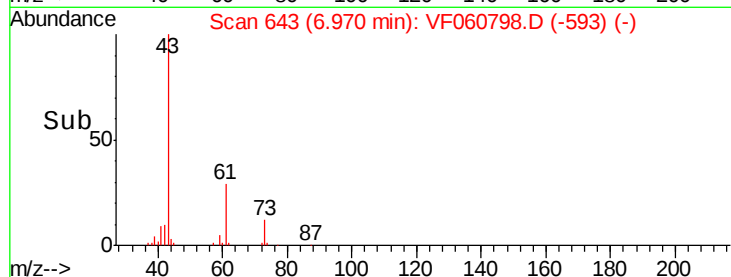
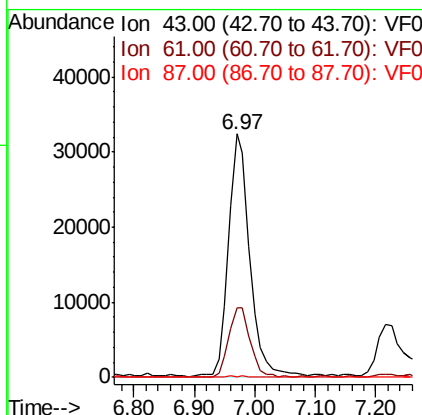
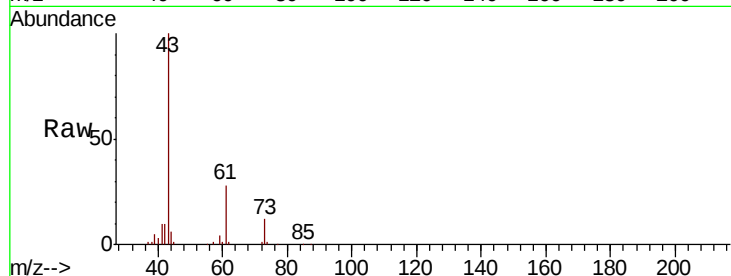
Isopropyl Acetate
 Concen: 50.946 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.2	33.4
87	0.3	0.4	0.6

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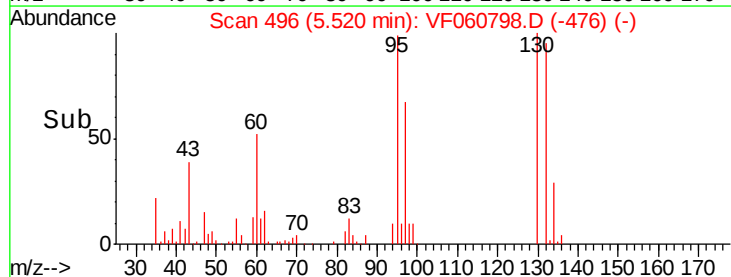
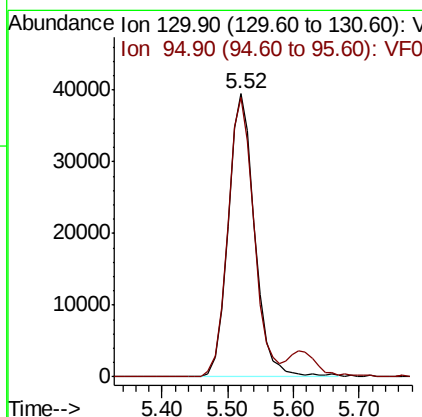
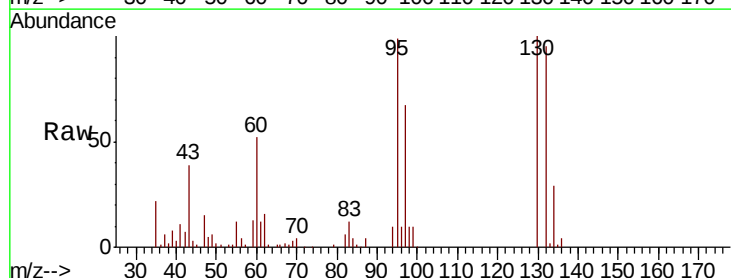
apatel
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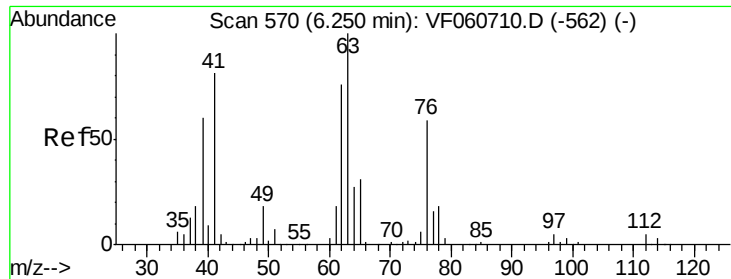


#44

Trichloroethene
 Concen: 48.986 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	212.6





#45

1,2-Dichloropropane

Concen: 56.081 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 63 Resp: 104740

Ion Ratio Lower Upper

63 100

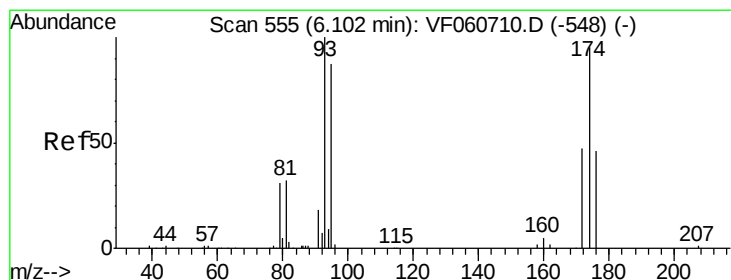
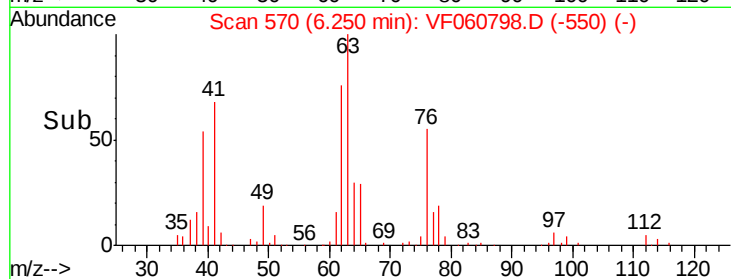
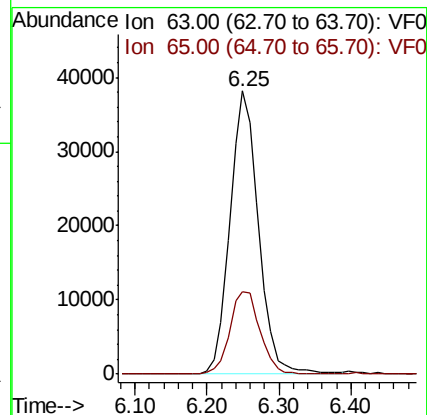
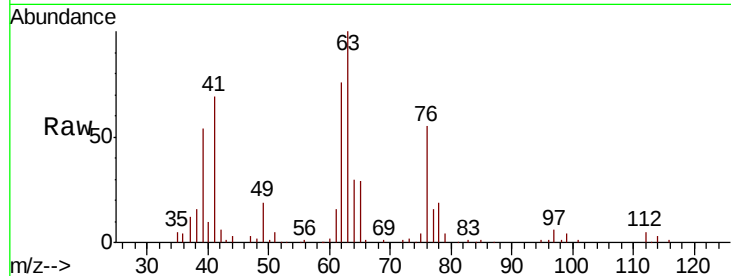
65 29.0 24.6 36.8

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#46

Dibromomethane

Concen: 52.785 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

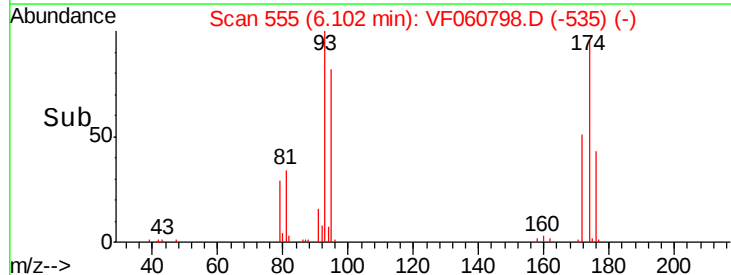
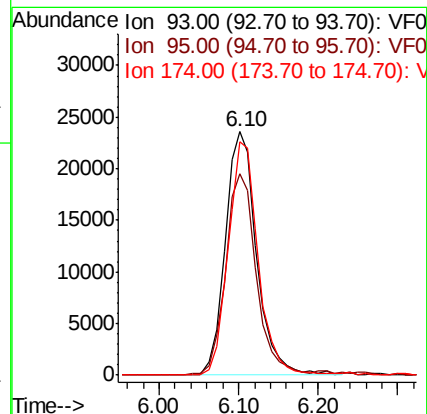
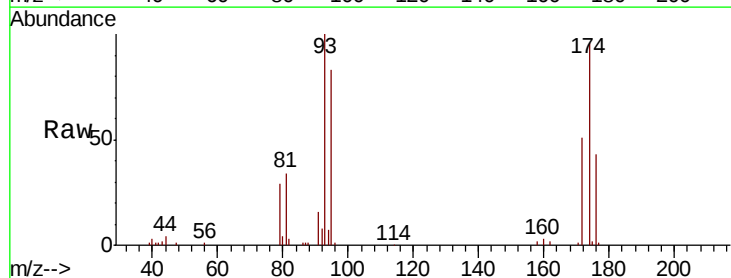
Tgt Ion: 93 Resp: 65076

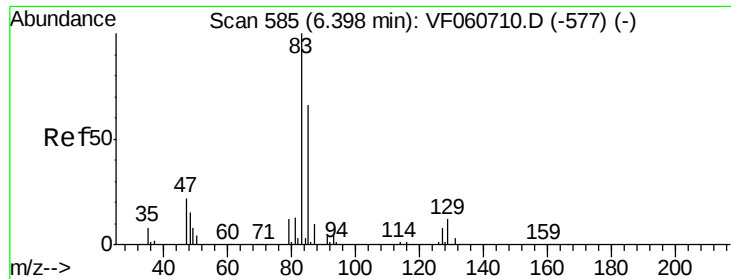
Ion Ratio Lower Upper

93 100

95 82.7 69.5 104.3

174 95.8 76.2 114.2





#47

Bromodichloromethane

Concen: 53.354 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

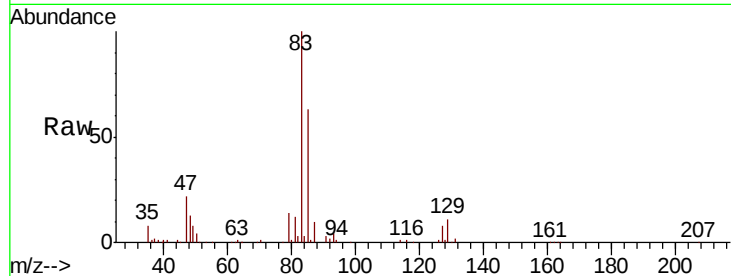
ClientSampleId :

VTW-01(7-10)MSD

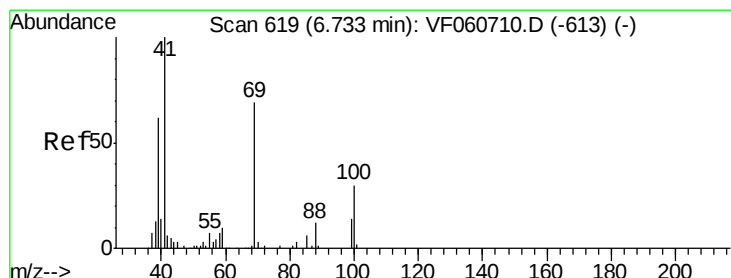
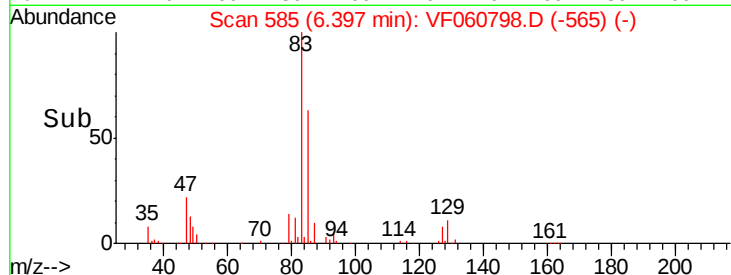
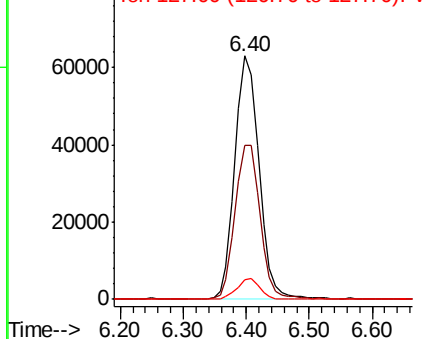
Tot Ion:	83	Resp:	167969
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6
127	8.0	6.8	10.2

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 59.355 ug/l

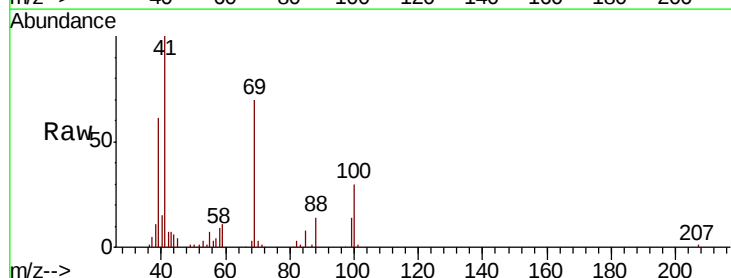
RT: 6.73 min Scan# 619

Delta R.T. -0.00 min

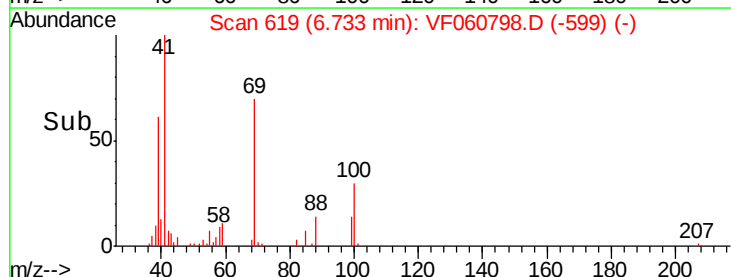
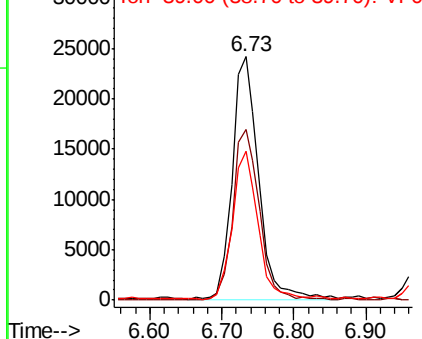
Lab File: VF060798.D

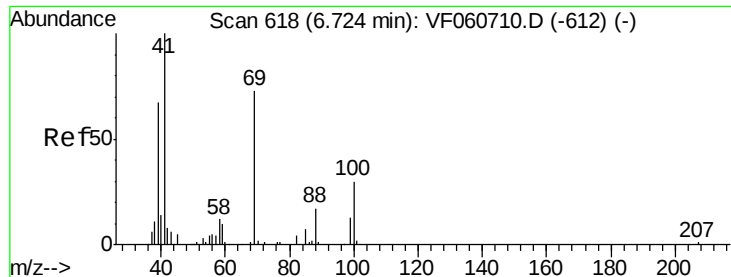
Acq: 20 Nov 2018 1:45

Tgt Ion:	41	Resp:	62345
Ion	Ratio	Lower	Upper
41	100		
69	69.9	54.9	82.3
39	61.0	49.6	74.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1197.432 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

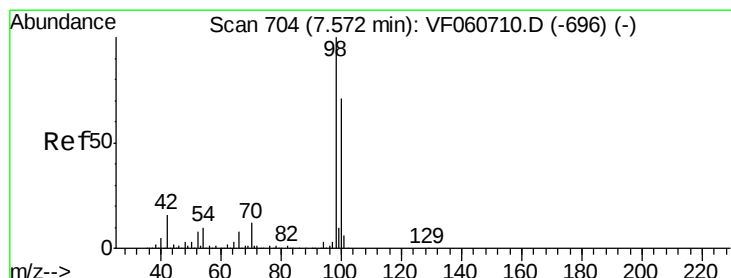
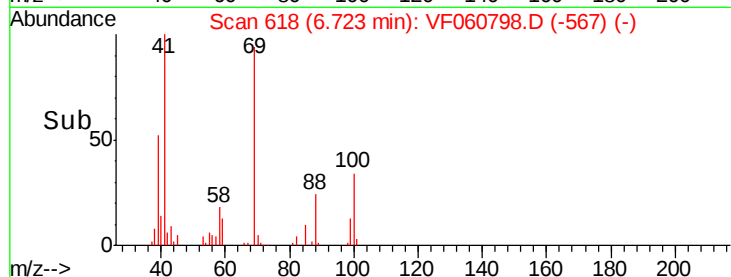
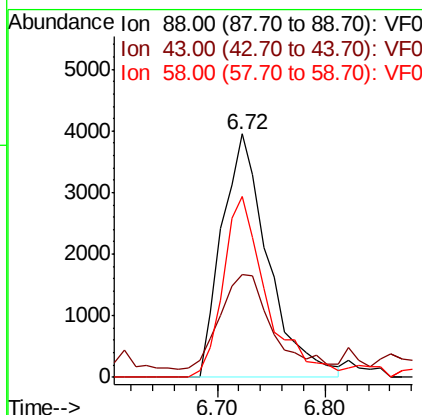
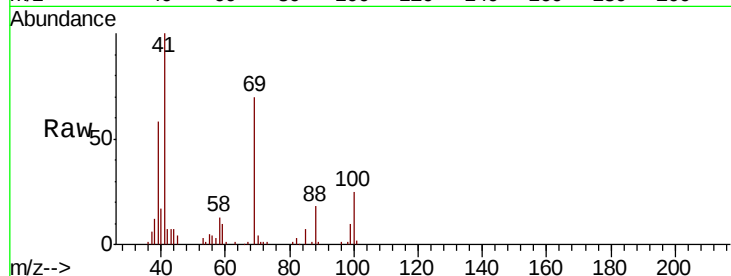
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	88	Resp:	11763
Ion Ratio	Lower	Upper	
88	100		
43	42.2	44.6	66.8#
58	74.4	54.5	81.7

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#50

Toluene-d8

Concen: 49.164 ug/l

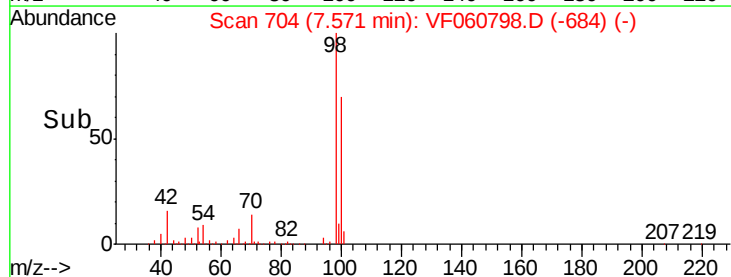
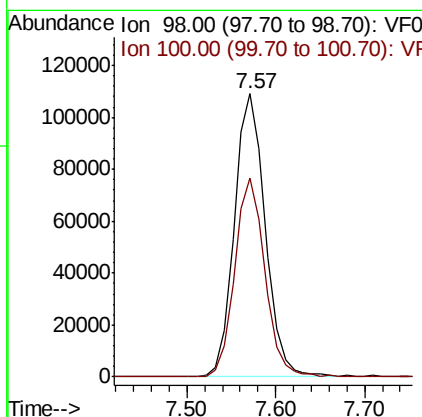
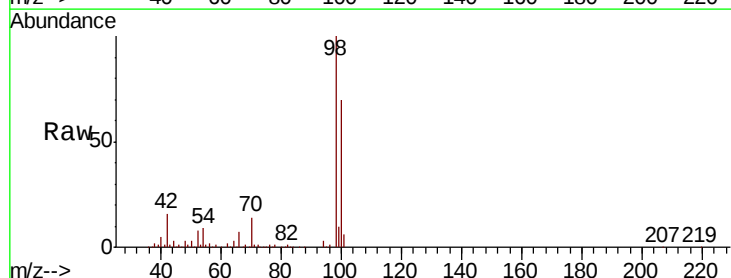
RT: 7.57 min Scan# 704

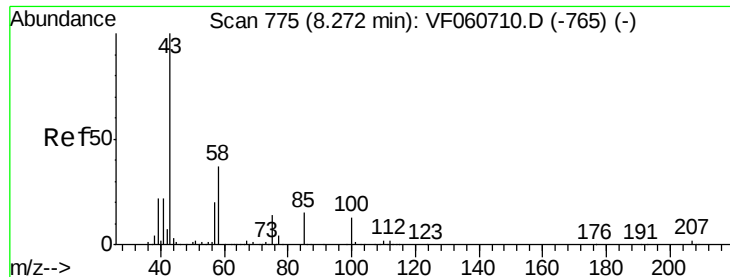
Delta R.T. 0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	98	Resp:	263608
Ion Ratio	Lower	Upper	
98	100		
100	70.3	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 293.716 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 43 Resp: 337148

Ion Ratio Lower Upper

43 100

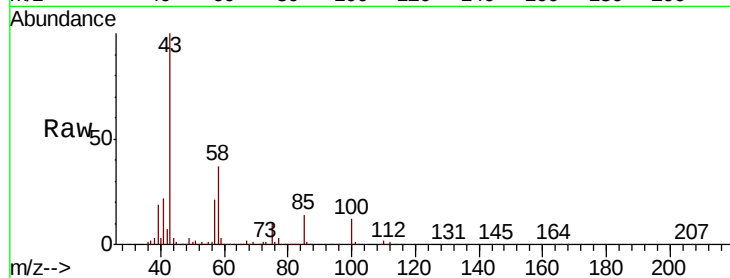
58 37.0 29.2 43.8

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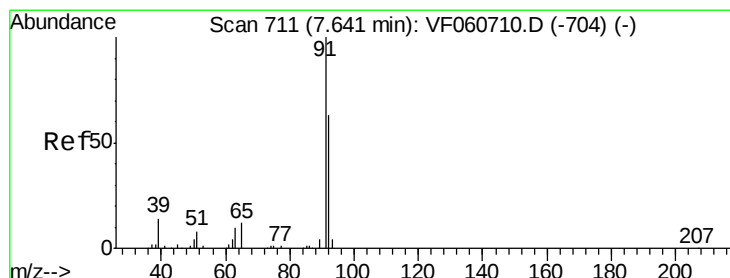
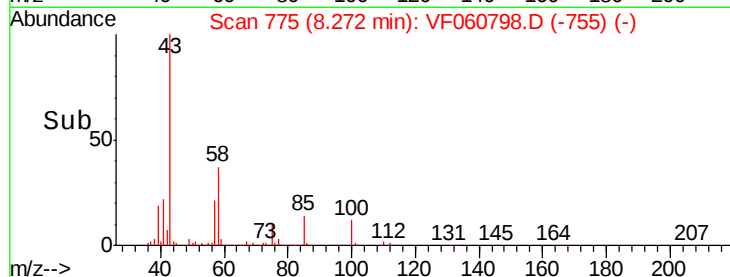
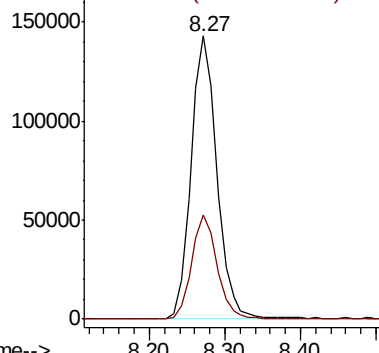
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.048 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060798.D

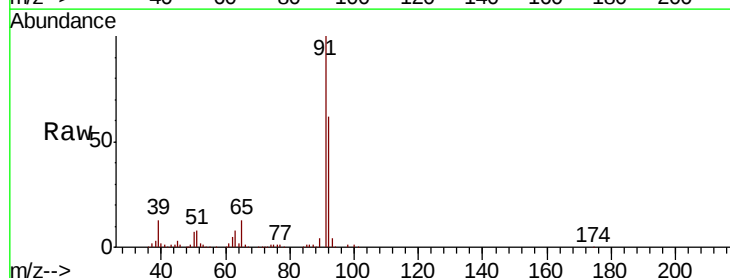
Acq: 20 Nov 2018 1:45

Tgt Ion: 92 Resp: 221475

Ion Ratio Lower Upper

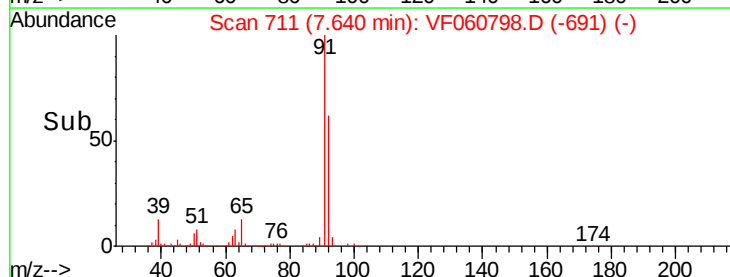
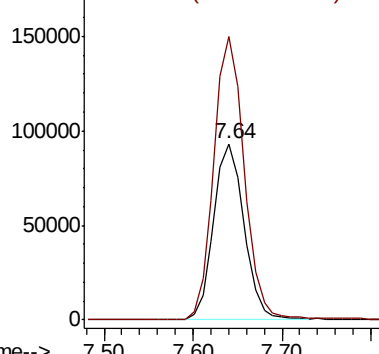
92 100

91 160.9 126.7 190.1



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: 41.426 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 75 Resp: 104458

Ion Ratio Lower Upper

75 100

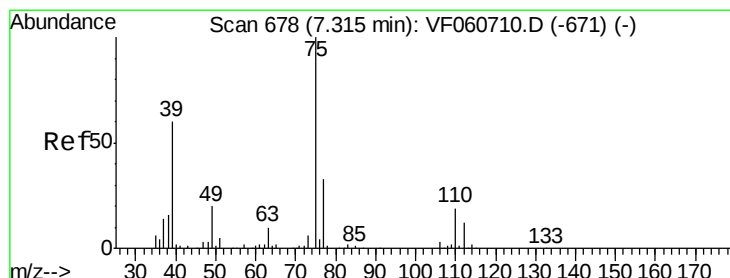
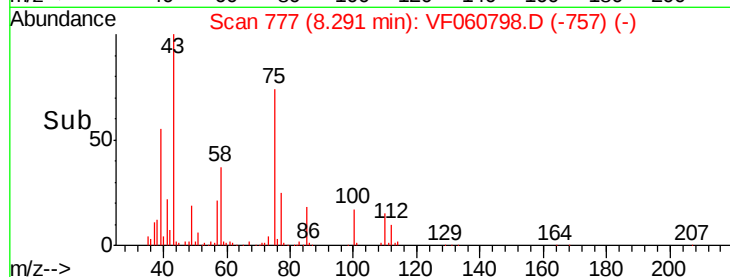
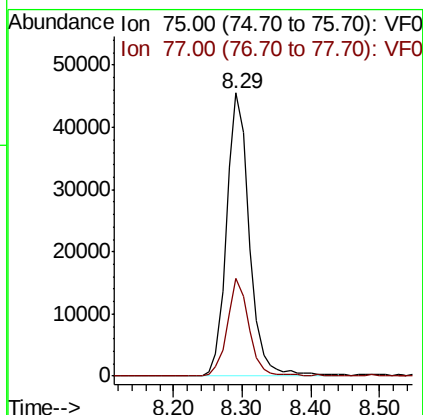
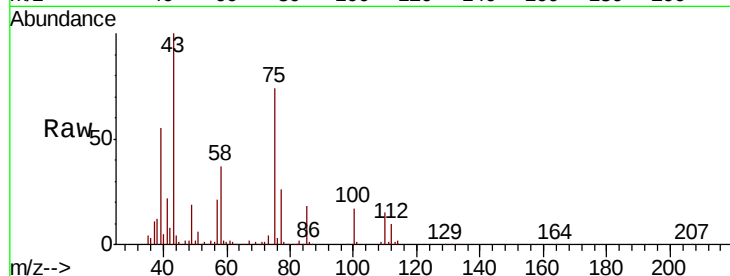
77 34.7 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 43.247 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

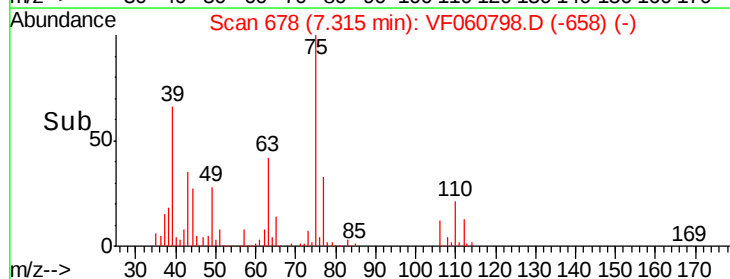
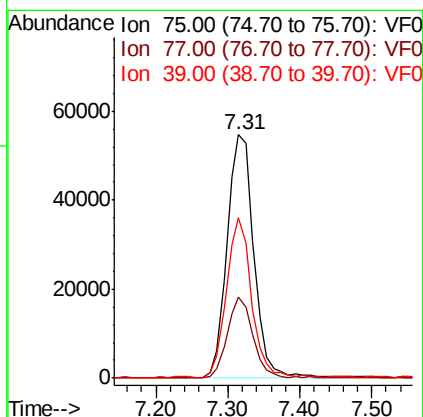
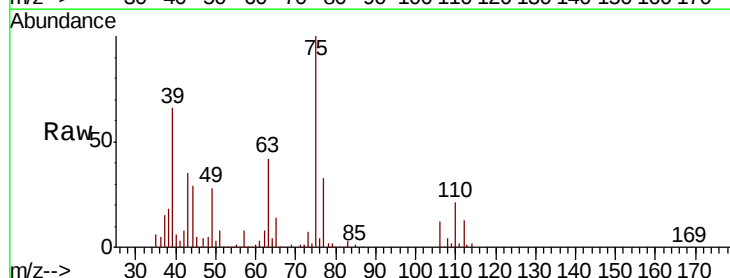
Tgt Ion: 75 Resp: 141648

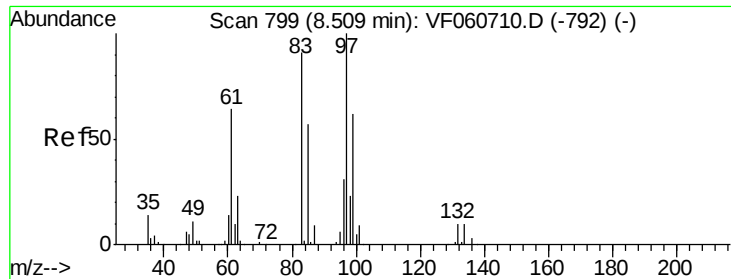
Ion Ratio Lower Upper

75 100

77 33.4 26.5 39.7

39 65.9 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 51.849 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

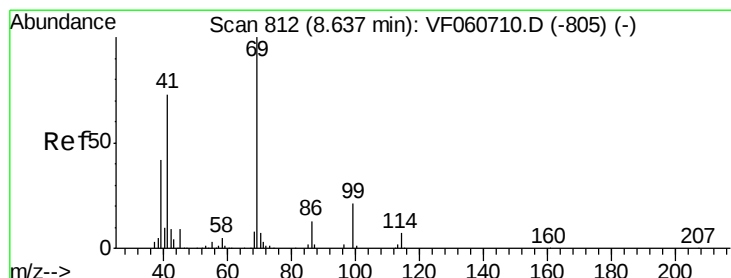
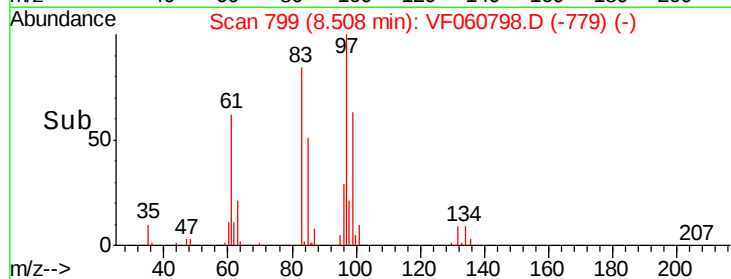
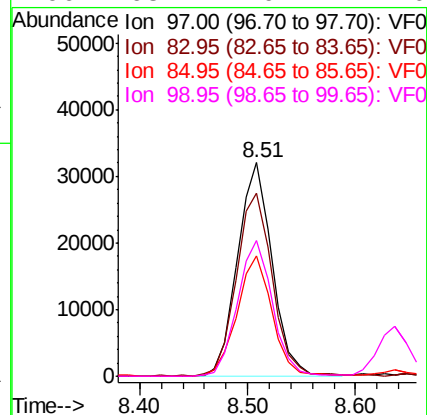
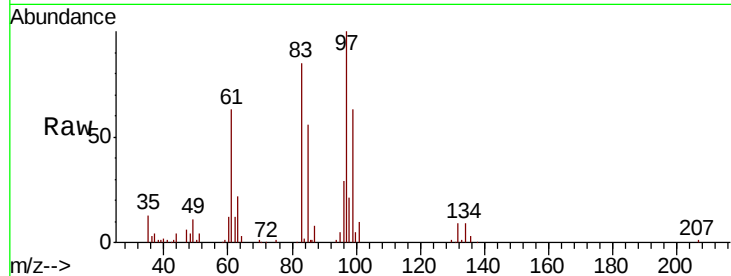
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	97	Resp:	71251
Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.8	109.2
85	56.1	45.8	68.6
99	63.4	49.4	74.0

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#56

Ethyl methacrylate

Concen: 52.676 ug/l

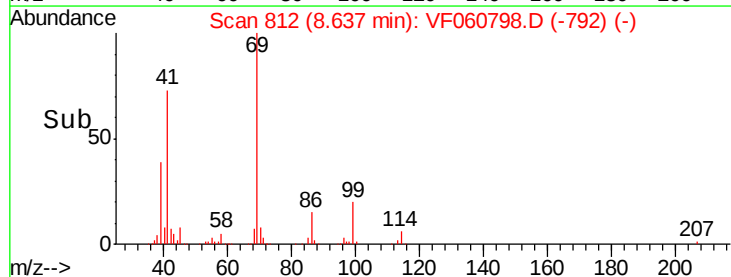
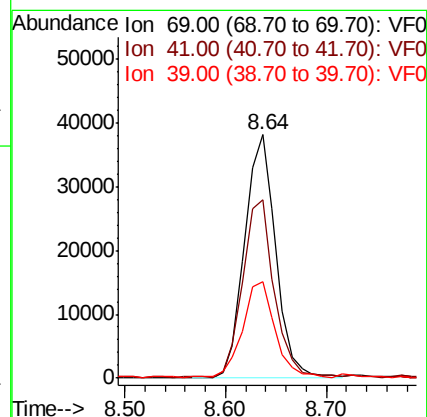
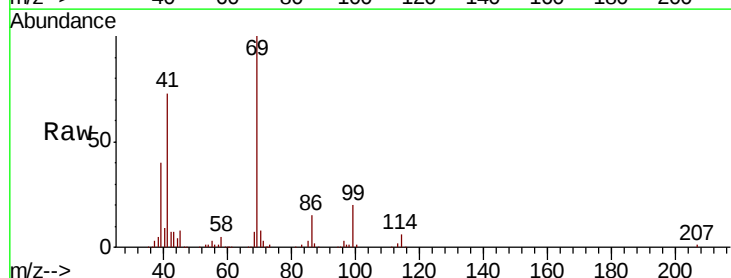
RT: 8.64 min Scan# 812

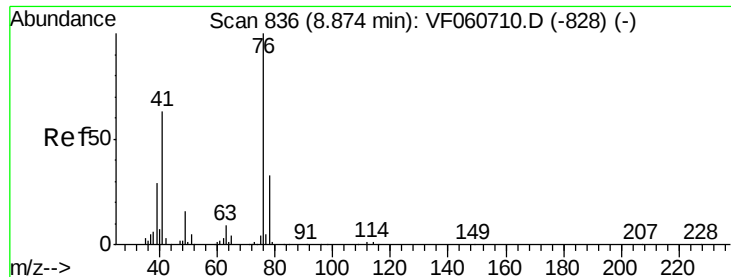
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	69	Resp:	82211
Ion	Ratio	Lower	Upper
69	100		
41	73.3	59.0	88.6
39	39.8	34.0	51.0





#57

1,3-Dichloropropane

Concen: 51.393 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 76 Resp: 122396

Ion Ratio Lower Upper

76 100

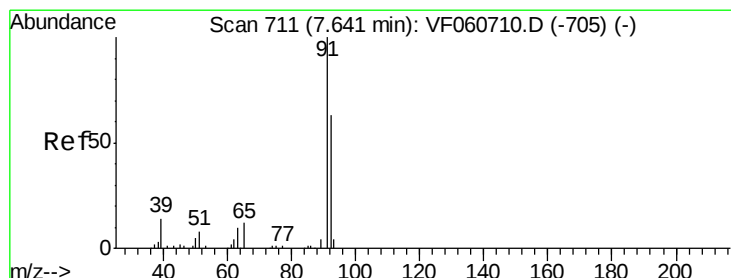
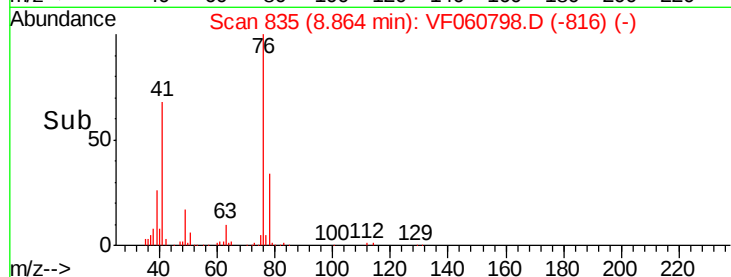
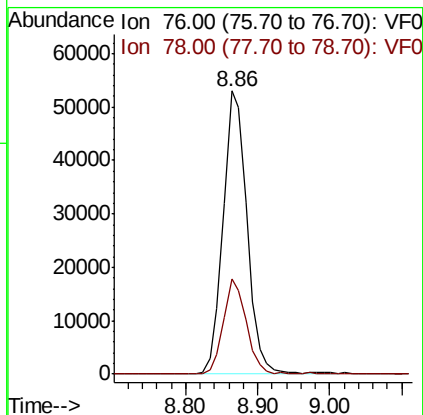
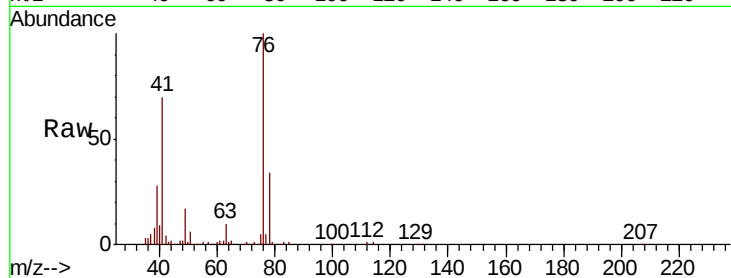
78 33.6 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 240.042 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060798.D

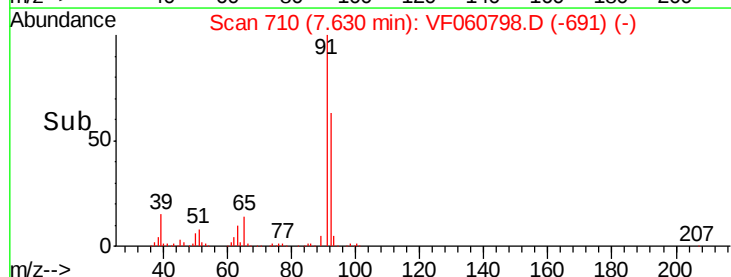
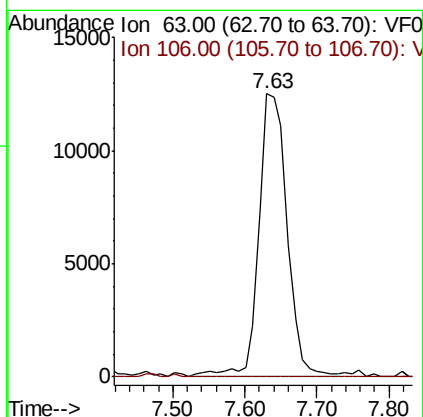
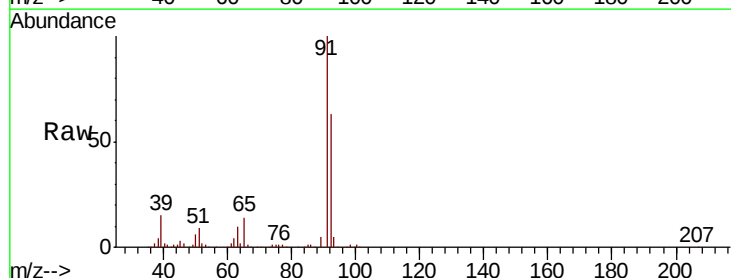
Acq: 20 Nov 2018 1:45

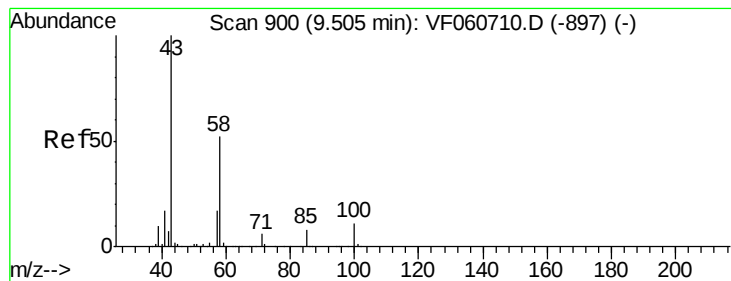
Tgt Ion: 63 Resp: 34222

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 280.490 ug/l

RT: 9.50 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 43 Resp: 226268

Ion Ratio Lower Upper

43 100

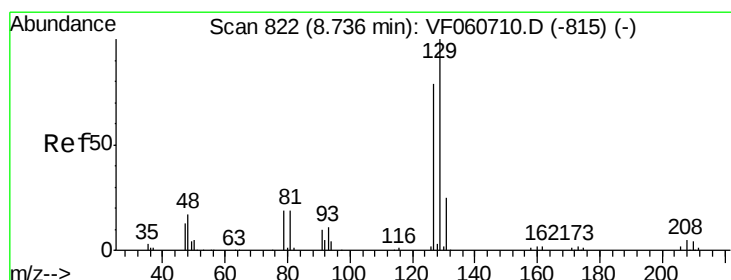
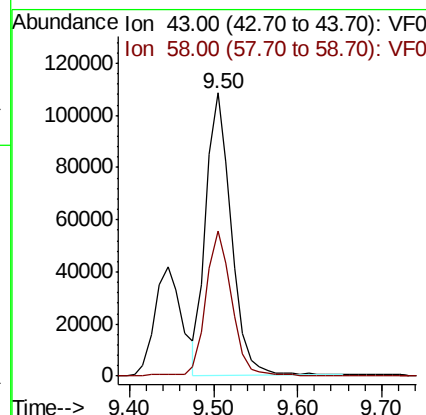
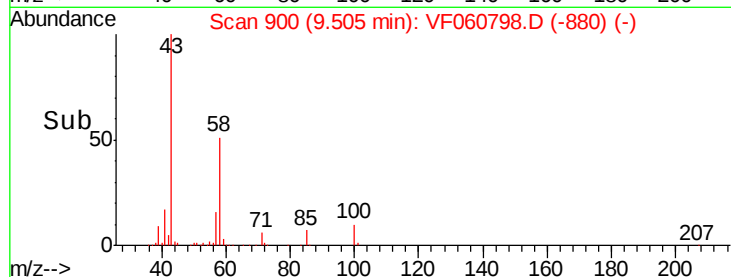
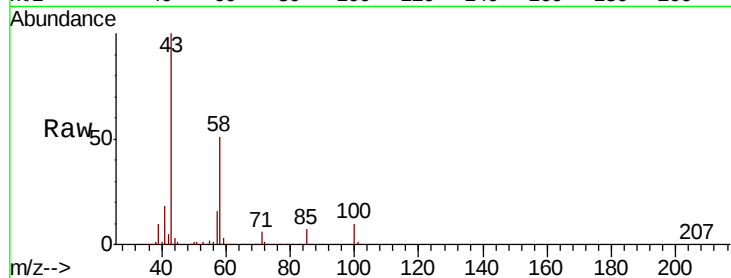
58 51.3 24.9 74.7

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#60

Dibromochloromethane

Concen: 50.125 ug/l

RT: 8.74 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF060798.D

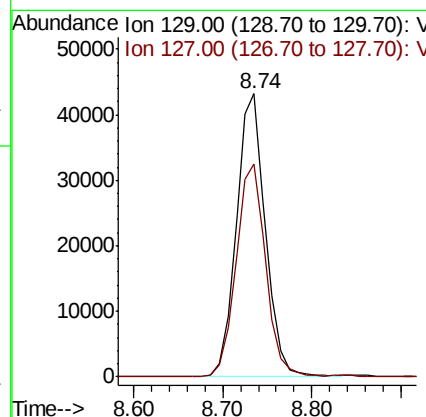
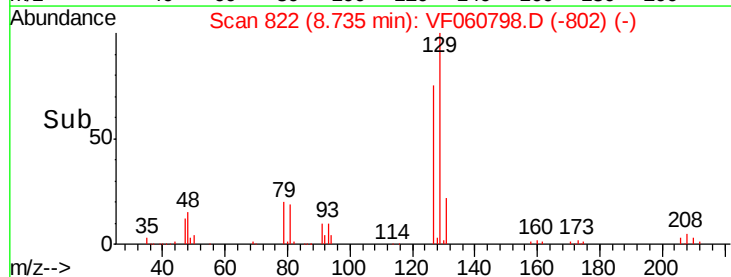
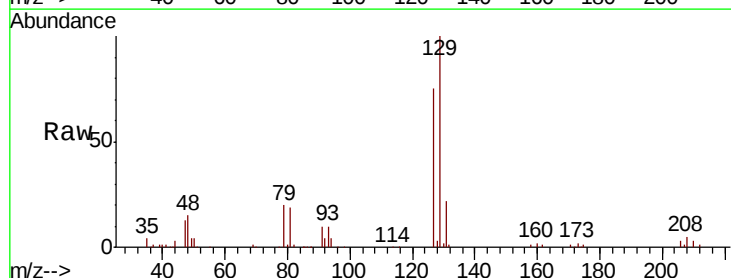
Acq: 20 Nov 2018 1:45

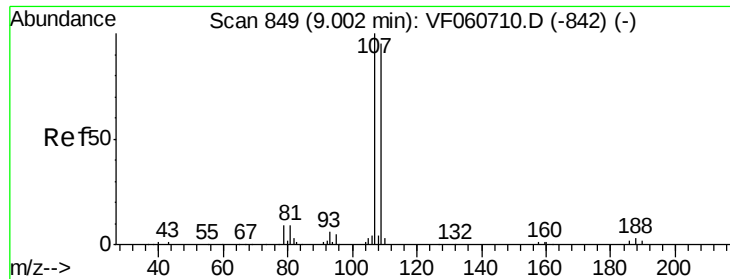
Tgt Ion: 129 Resp: 98170

Ion Ratio Lower Upper

129 100

127 75.3 39.7 119.1





#61

1,2-Dibromoethane

Concen: 50.199 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:107 Resp: 72550

Ion Ratio Lower Upper

107 100

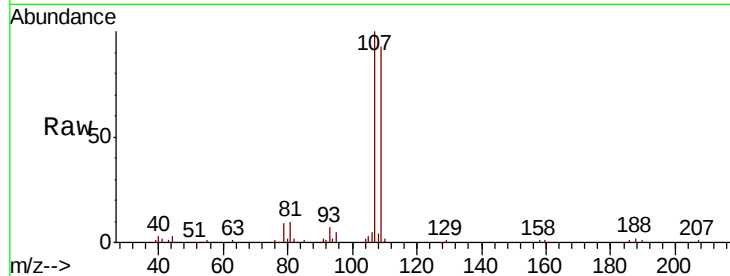
109 92.7 75.9 113.9

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.00

30000

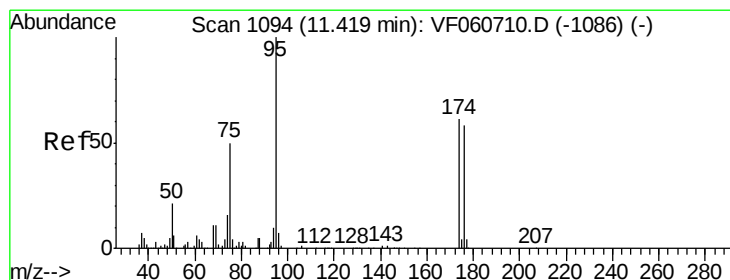
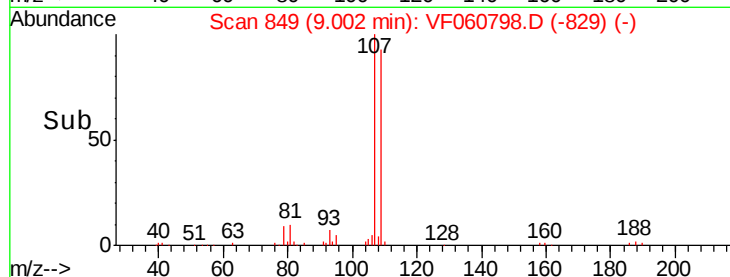
20000

10000

0

Time-->

8.90 9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 40.089 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

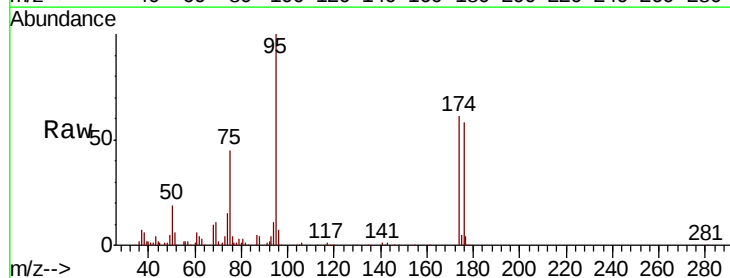
Tgt Ion: 95 Resp: 100981

Ion Ratio Lower Upper

95 100

174 61.4 0.0 121.6

176 58.1 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

80000

60000

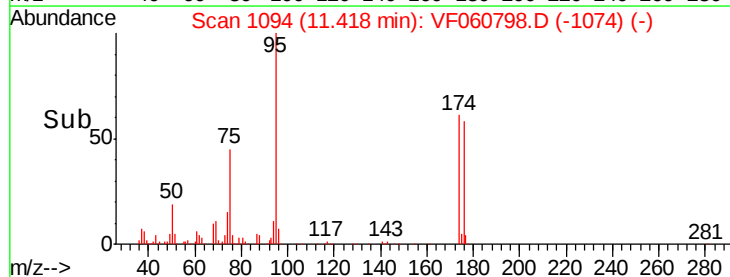
40000

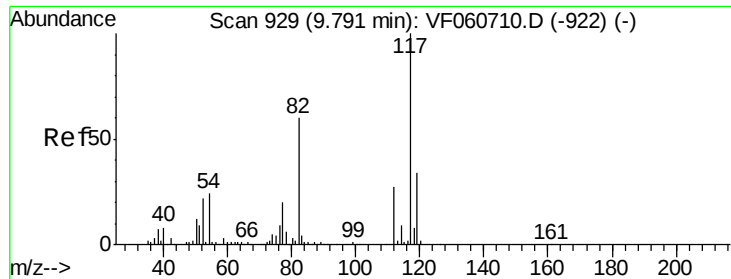
20000

0

Time-->

11.30 11.40 11.50 11.60





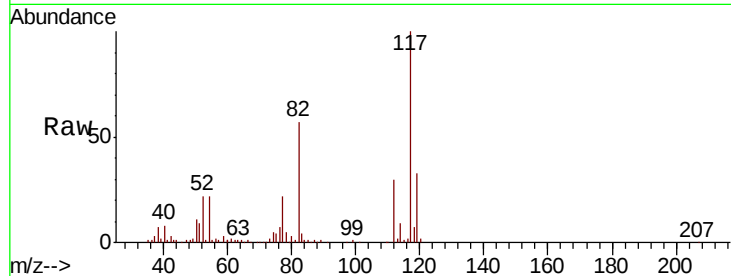
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	214910		
82	57.4		47.9	71.9
119	32.9		26.8	40.2

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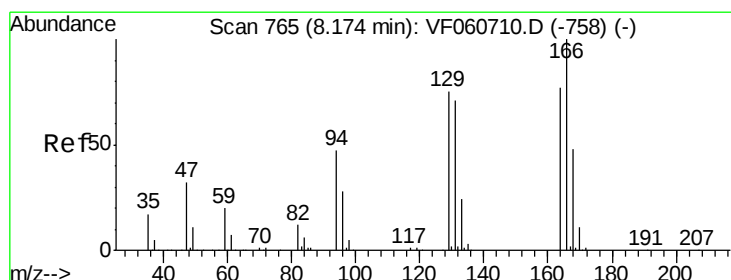
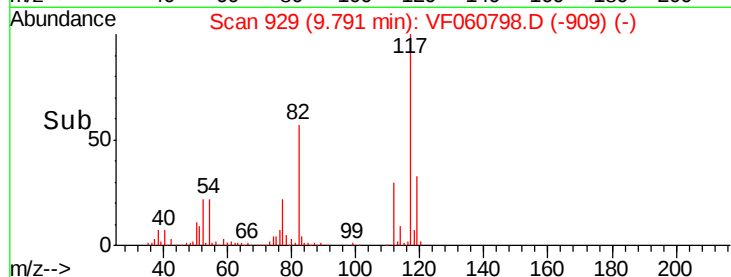
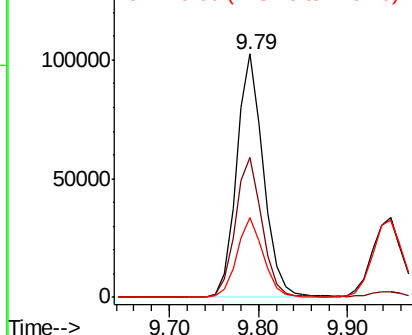


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 50.868 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86570		
166	126.5		103.5	155.3
129	92.7		77.4	116.2
131	89.7		73.5	110.3

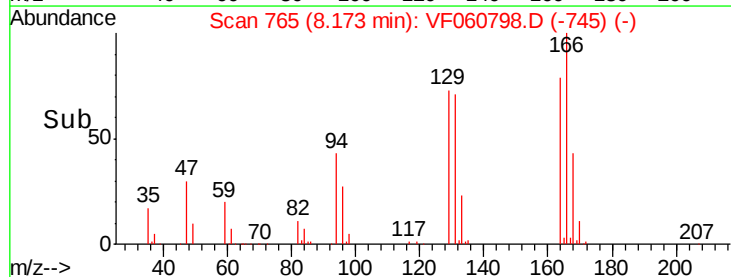
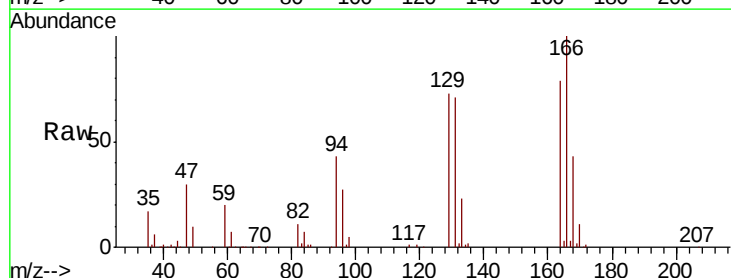
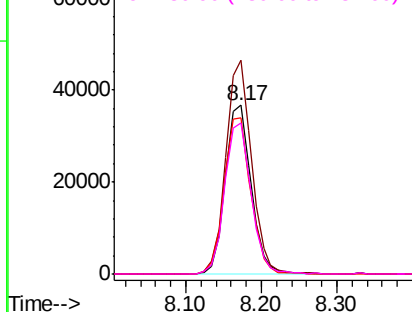
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





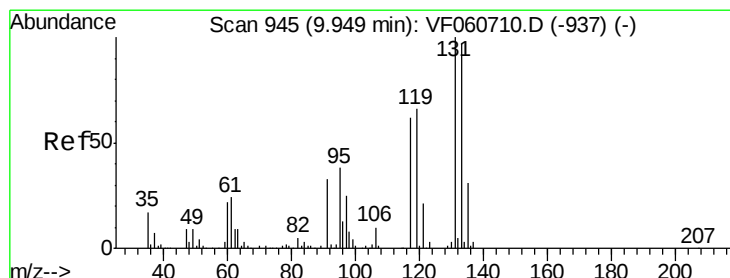
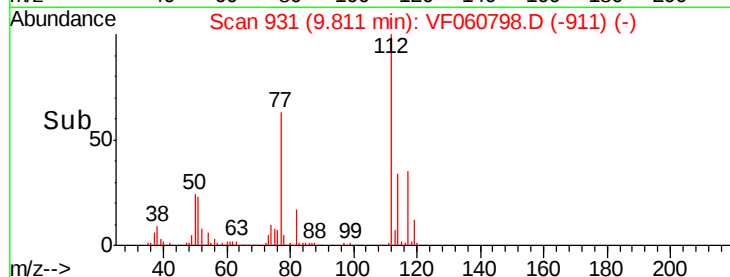
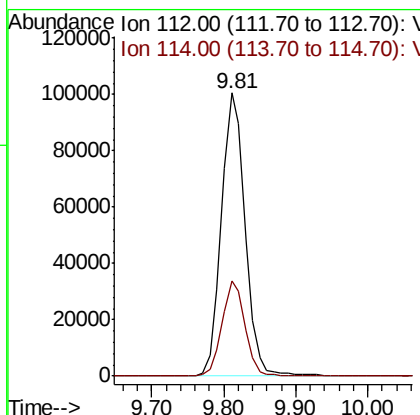
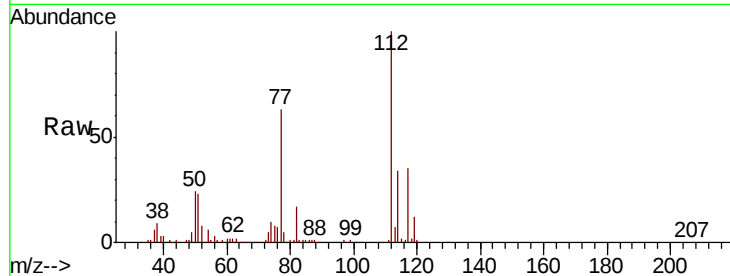
#65
Chlorobenzene
Concen: 52.784 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion:112 Resp: 228909
Ion Ratio Lower Upper
112 100
114 33.7 26.1 39.1

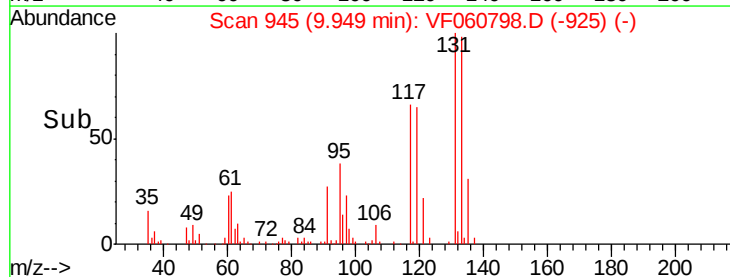
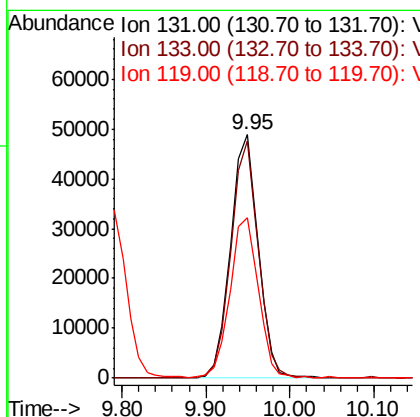
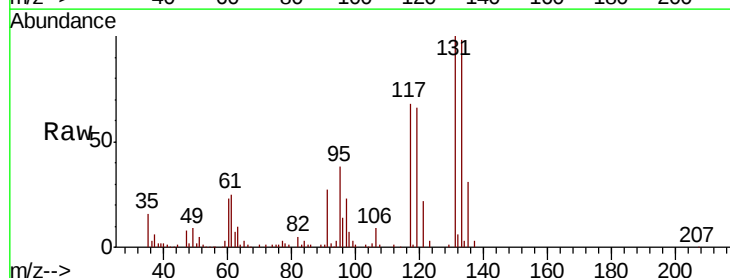
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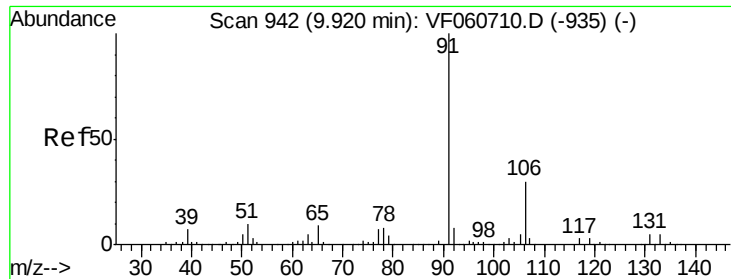
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.264 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion:131 Resp: 112100
Ion Ratio Lower Upper
131 100
133 97.6 48.3 144.8
119 66.1 33.2 99.6





#67

Ethyl Benzene

Concen: 49.711 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 91 Resp: 406358

Ion Ratio Lower Upper

91 100

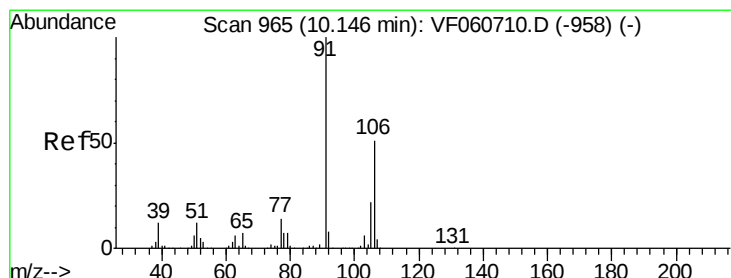
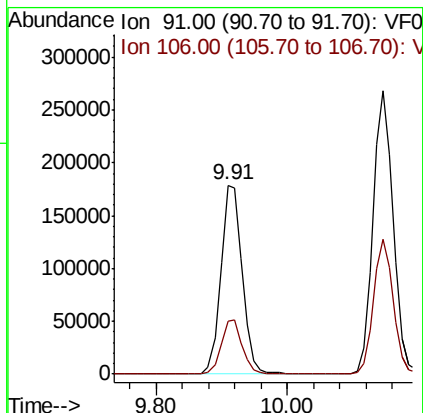
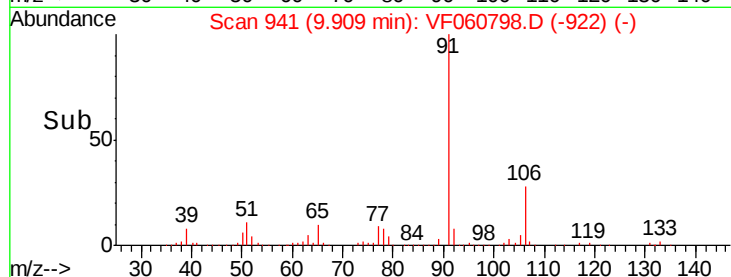
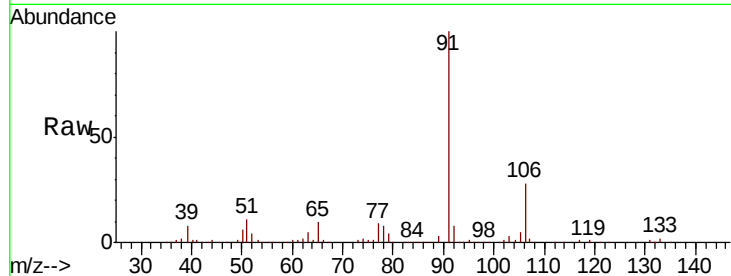
106 28.3 23.9 35.9

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#68

m/p-Xylenes

Concen: 92.261 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060798.D

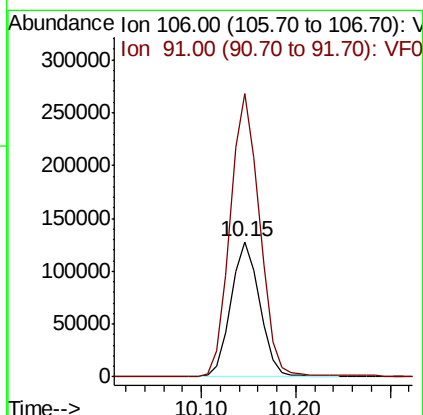
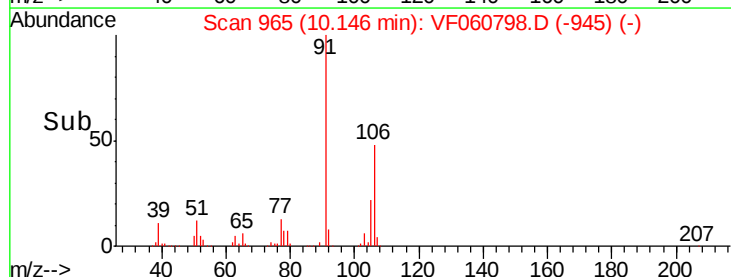
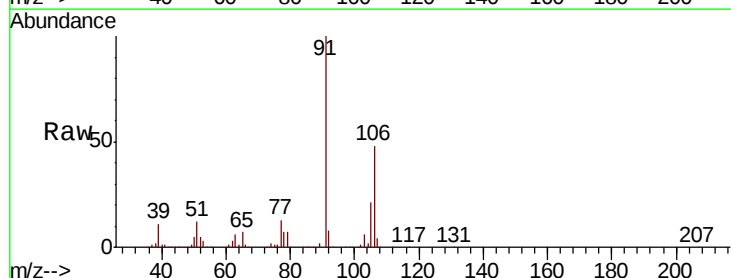
Acq: 20 Nov 2018 1:45

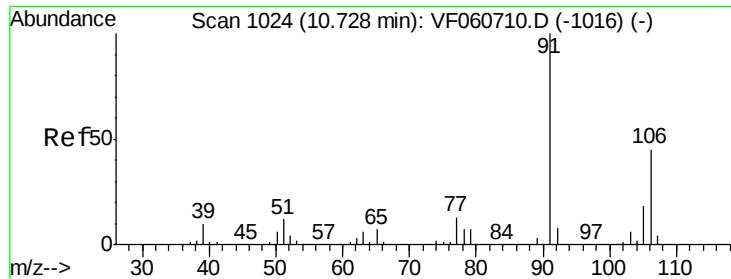
Tgt Ion: 106 Resp: 269524

Ion Ratio Lower Upper

106 100

91 209.2 158.2 237.2





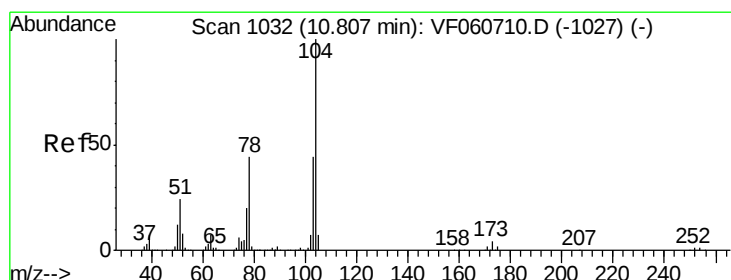
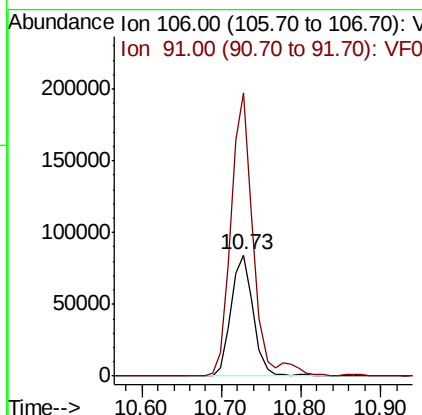
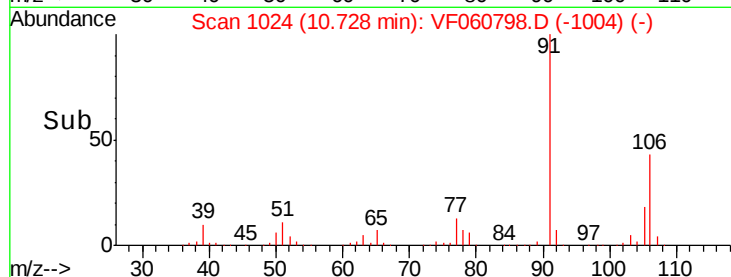
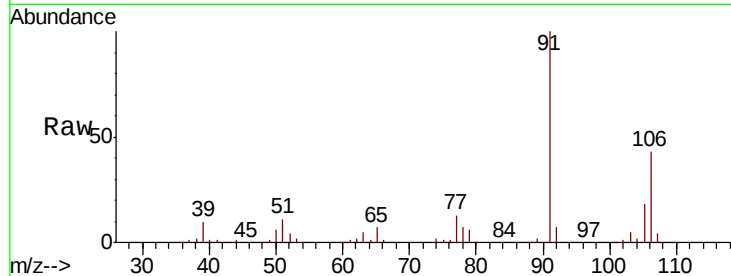
#69
o-Xylene
Concen: 50.531 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion:106 Resp: 165963
Ion Ratio Lower Upper
106 100
91 233.5 110.3 330.9

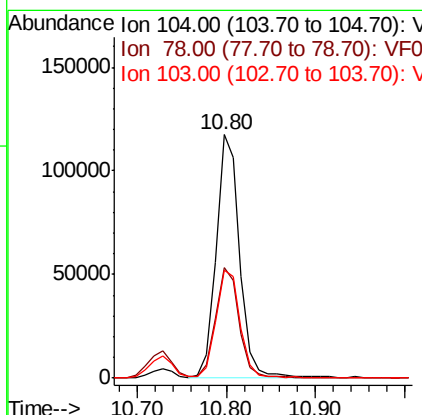
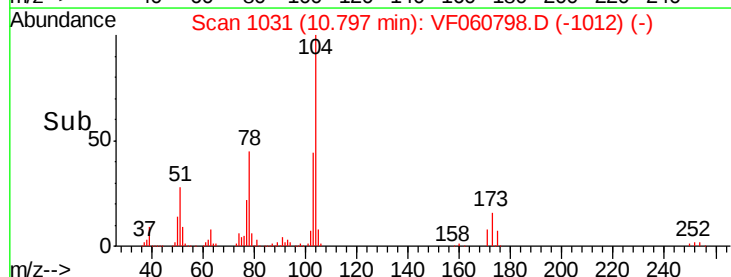
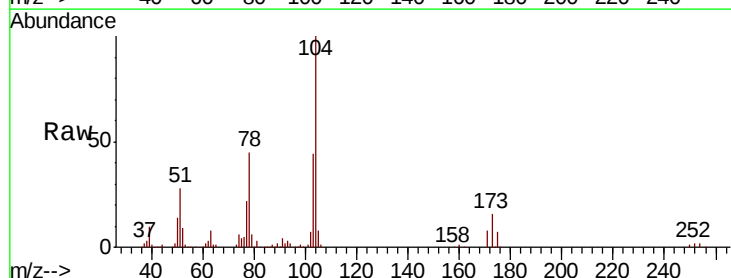
Manual Integrations
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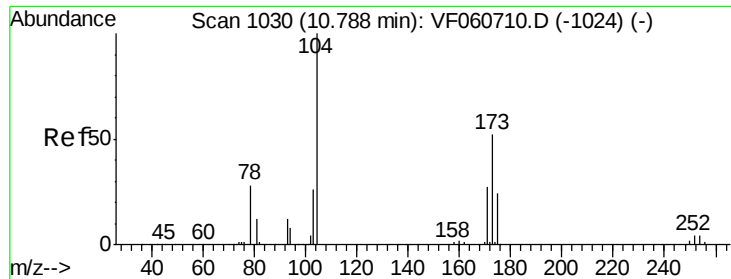
apatel
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#70
Styrene
Concen: 48.340 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion:104 Resp: 215473
Ion Ratio Lower Upper
104 100
78 45.4 35.4 53.2
103 44.4 35.8 53.6





#71

Bromoform

Concen: 60.327 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:173 Resp: 51314

Ion Ratio Lower Upper

173 100

175 49.9 23.4 70.0

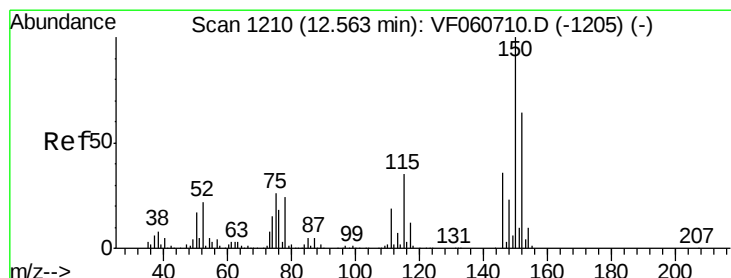
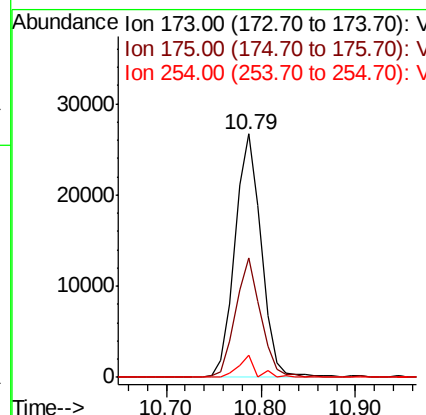
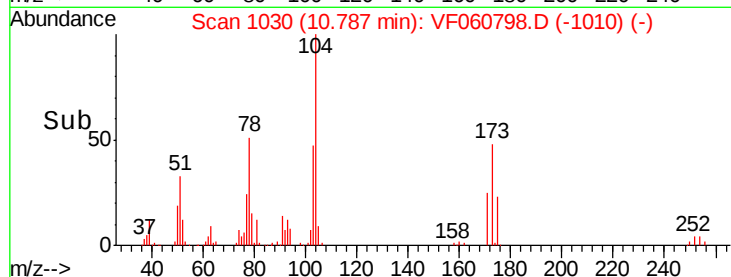
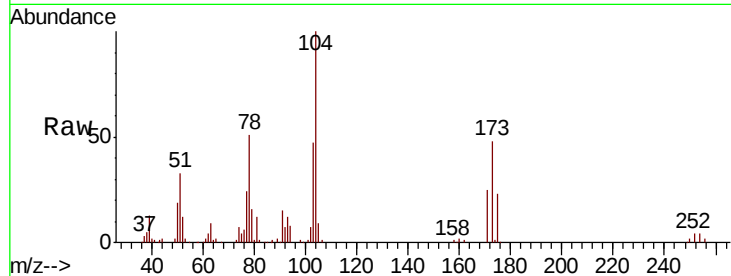
254 8.9 5.8 8.8#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

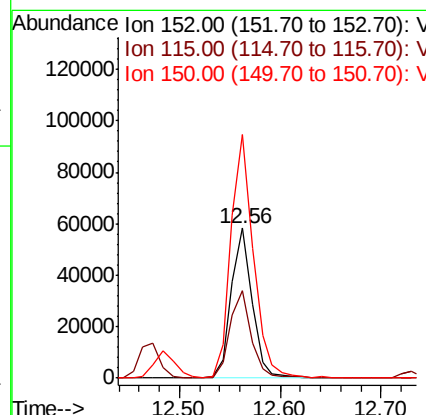
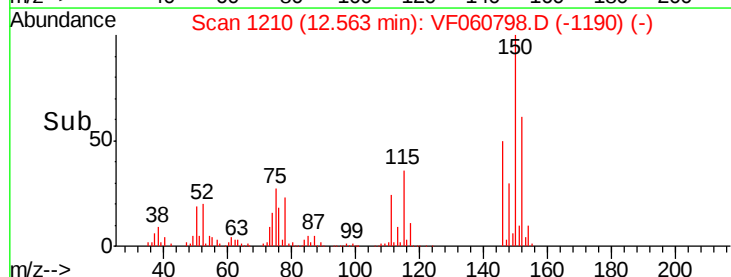
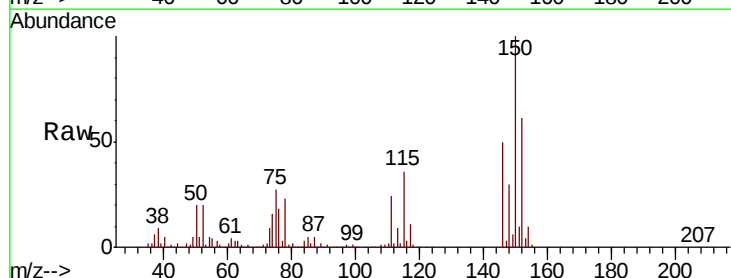
Tgt Ion:152 Resp: 84233

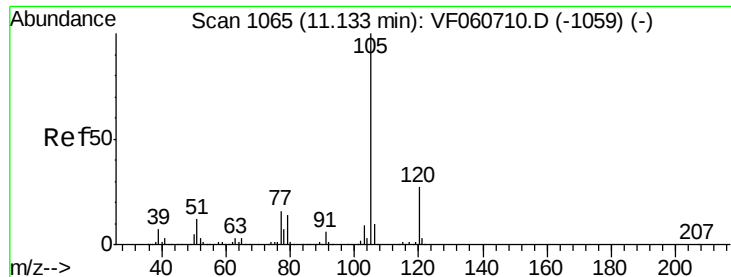
Ion Ratio Lower Upper

152 100

115 58.4 27.9 83.7

150 162.7 0.0 316.4





#73

Isopropylbenzene

Concen: 64.935 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:105 Resp: 440270

Ion Ratio Lower Upper

105 100

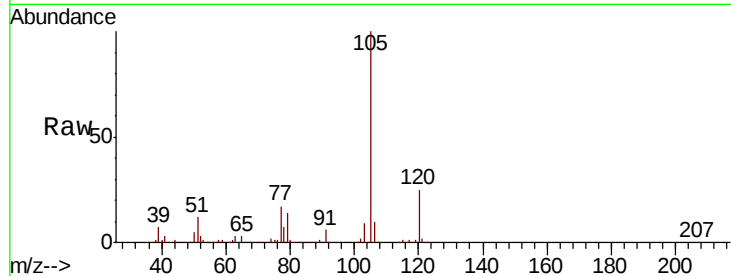
120 25.2 13.4 40.1

Manual Integrations

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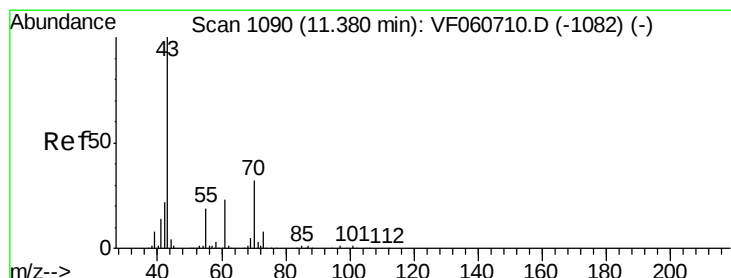
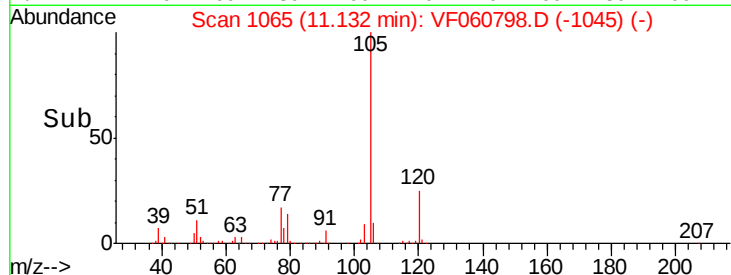
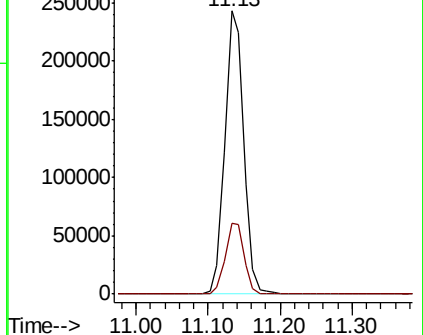
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 76.833 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion: 43 Resp: 118592

Ion Ratio Lower Upper

43 100

70 32.5 25.5 38.3

55 22.6 14.9 22.3#

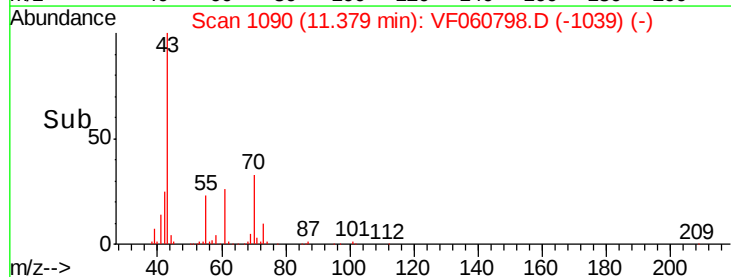
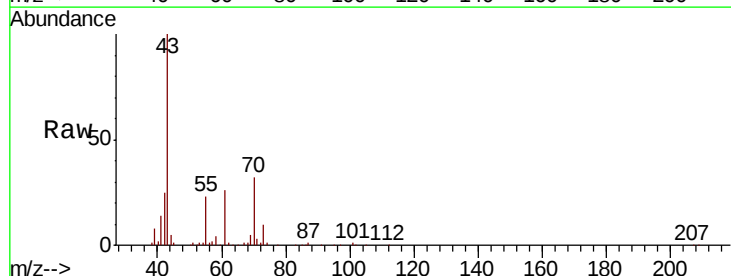
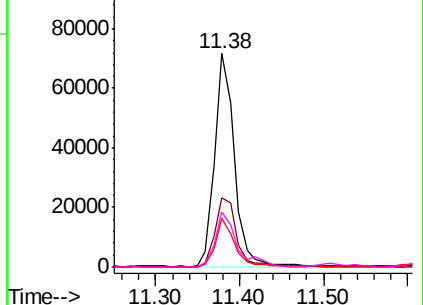
61 25.7 18.6 27.8

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





#75

1,1,2,2-Tetrachloroethane

Concen: 88.758 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

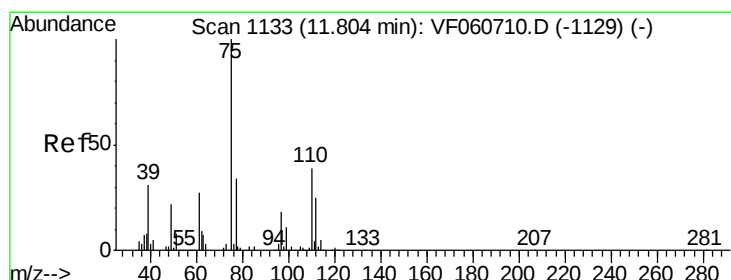
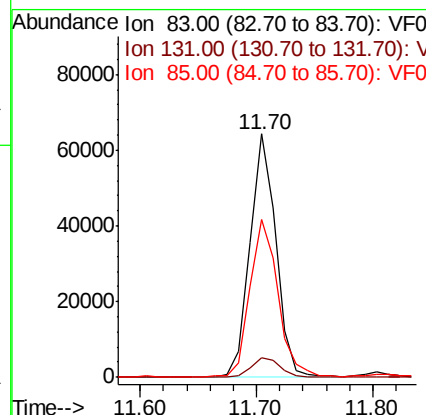
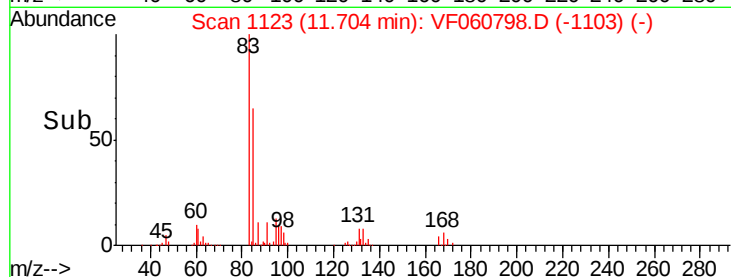
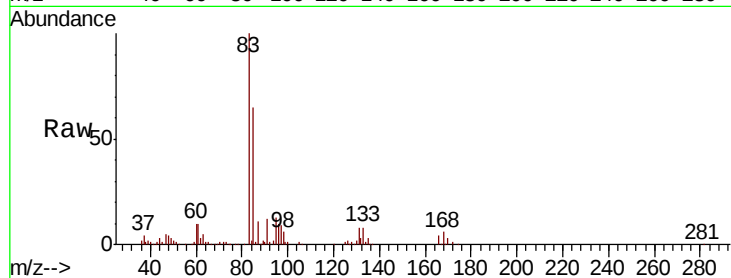
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	83	Resp:	99495
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.2	12.4
85	64.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 83.424 ug/l

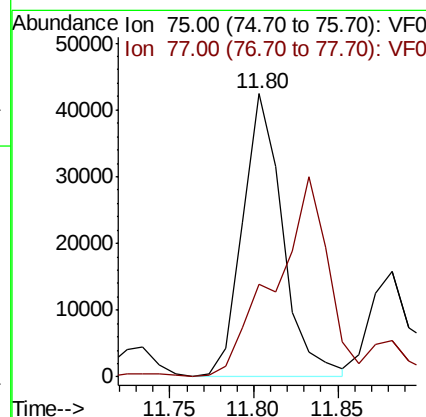
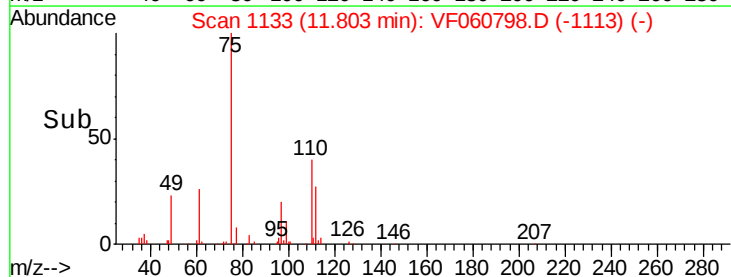
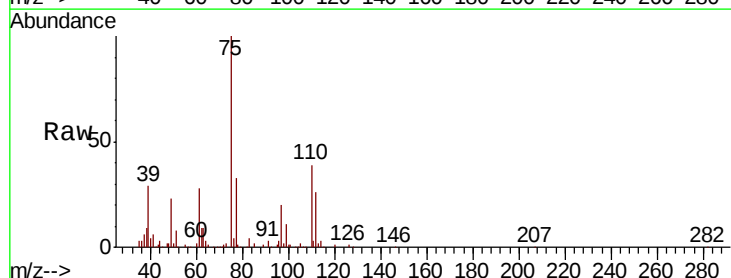
RT: 11.80 min Scan# 1133

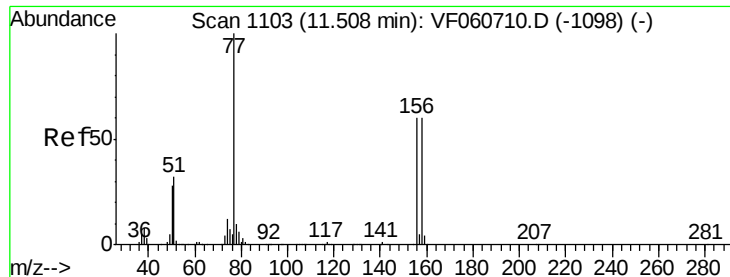
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	75	Resp:	69452
Ion Ratio	Lower	Upper	
75	100		
77	32.6	17.0	51.0





#77

Bromobenzene

Concen: 69.068 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:156 Resp: 97476

Ion Ratio Lower Upper

156 100

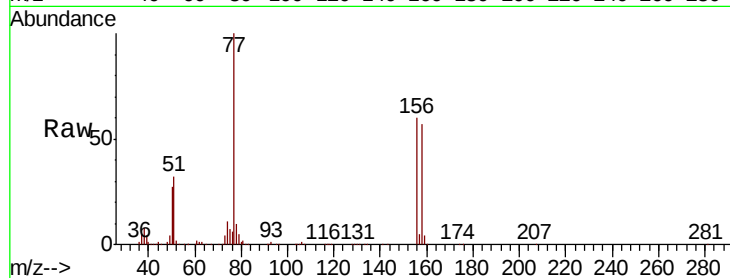
77 165.8 83.0 248.9

158 94.2 49.6 149.0

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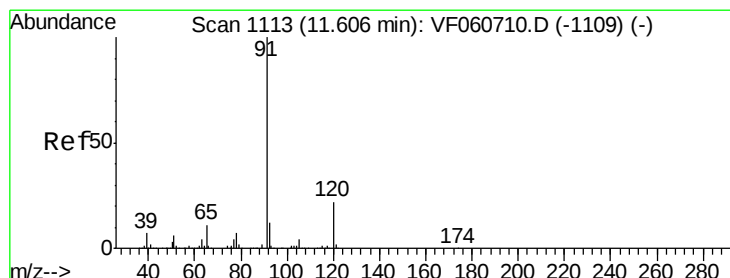
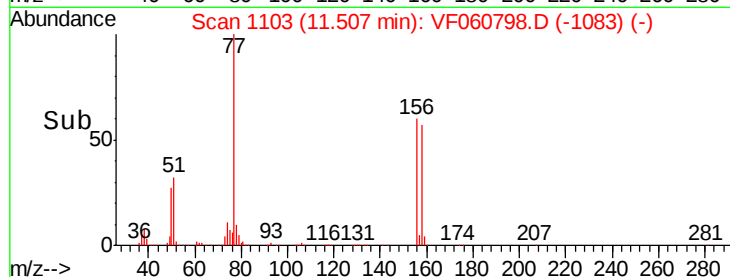
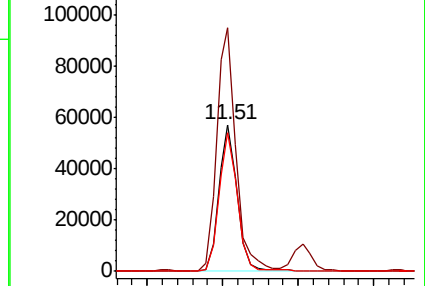
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.654 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF060798.D

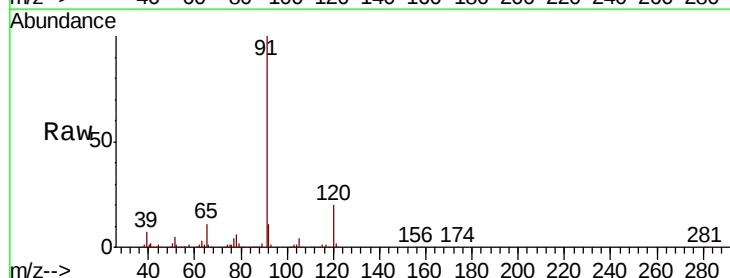
Acq: 20 Nov 2018 1:45

Tgt Ion: 91 Resp: 440091

Ion Ratio Lower Upper

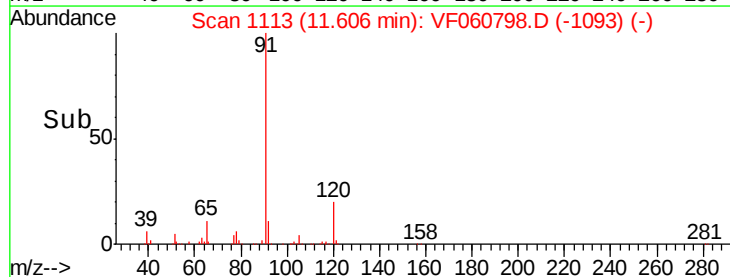
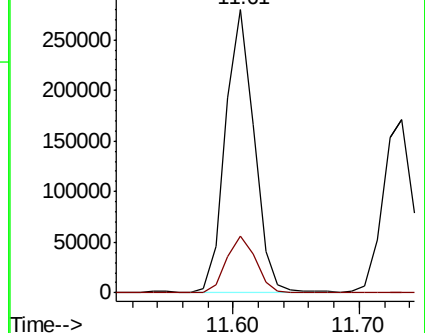
91 100

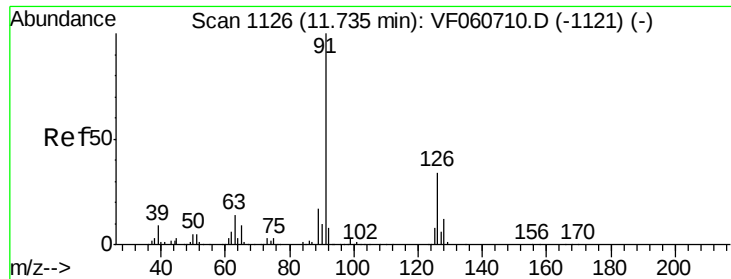
120 19.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 61.879 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 91 Resp: 284392

Ion Ratio Lower Upper

91 100

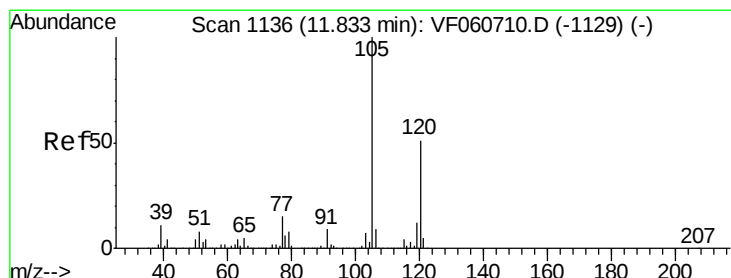
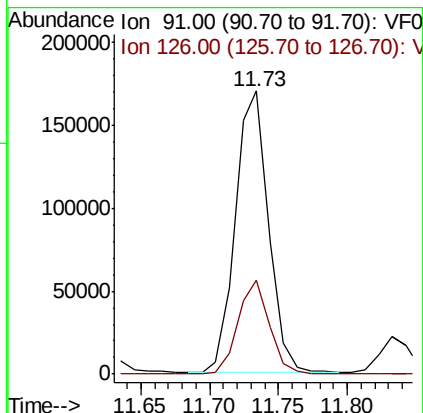
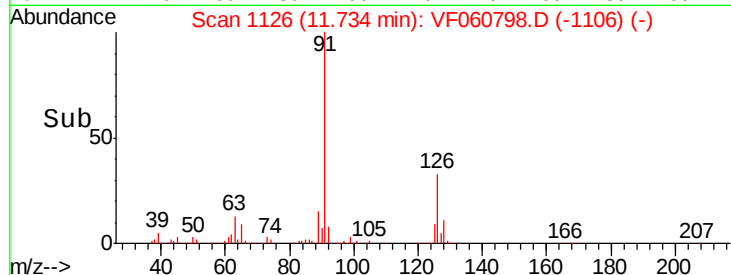
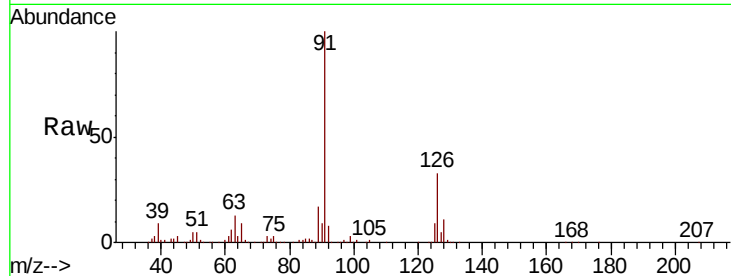
126 33.0 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 60.430 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060798.D

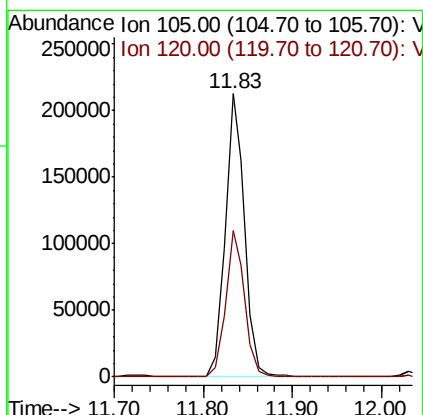
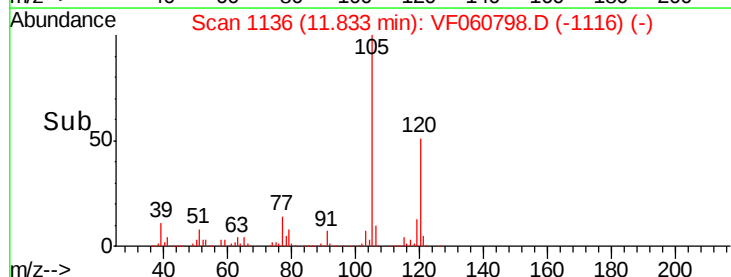
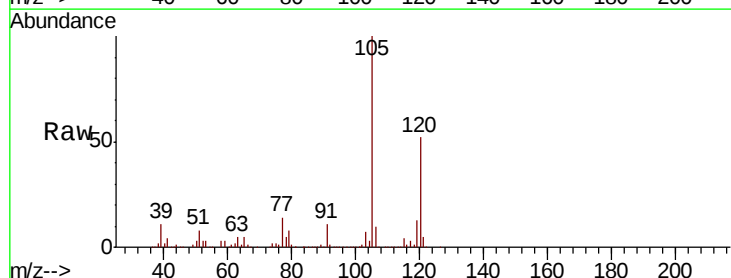
Acq: 20 Nov 2018 1:45

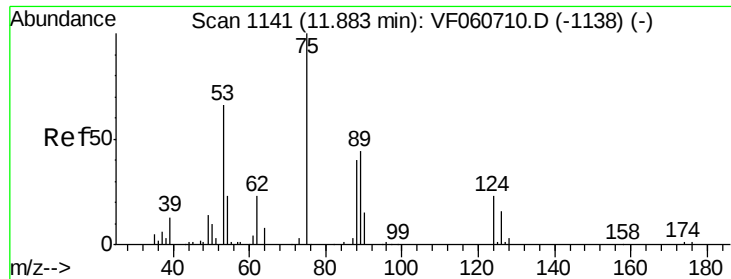
Tgt Ion: 105 Resp: 325285

Ion Ratio Lower Upper

105 100

120 51.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 65.479 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

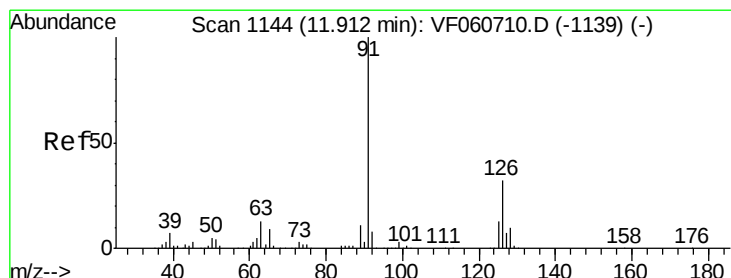
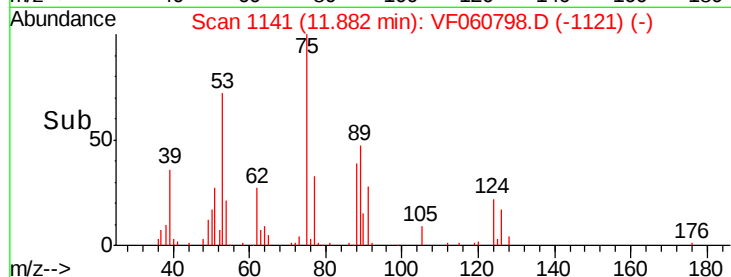
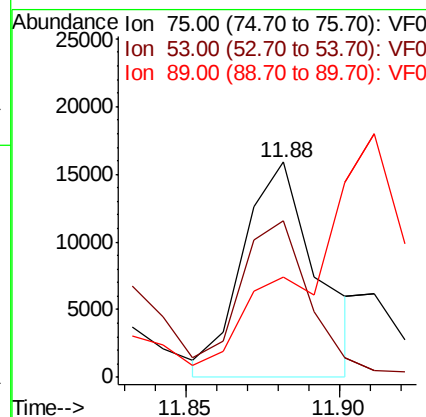
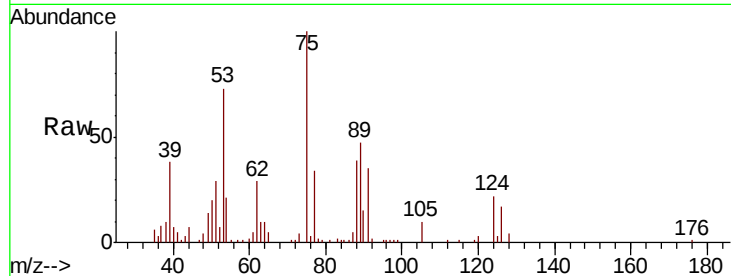
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	75	Resp:	26781
Ion	Ratio	Lower	Upper
75	100		
53	73.0	57.0	85.4
89	46.6	37.8	56.8

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#82

4-Chlorotoluene

Concen: 56.069 ug/l

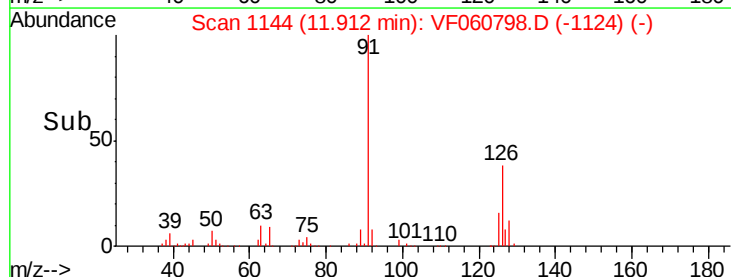
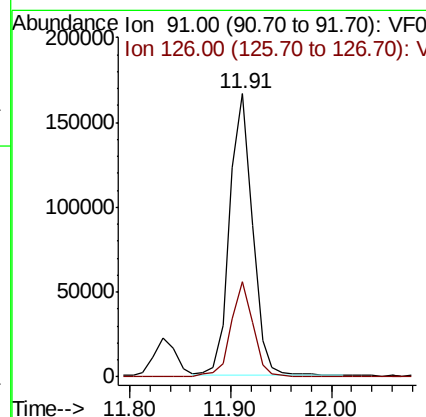
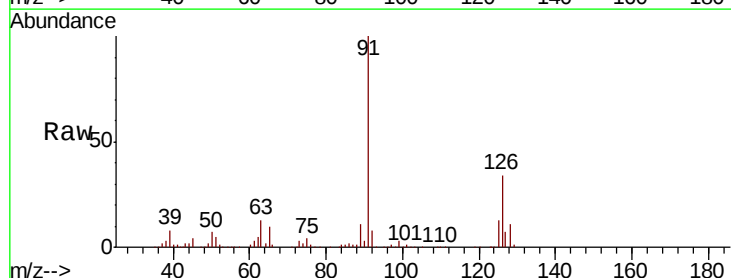
RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	91	Resp:	263993
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.0	47.9





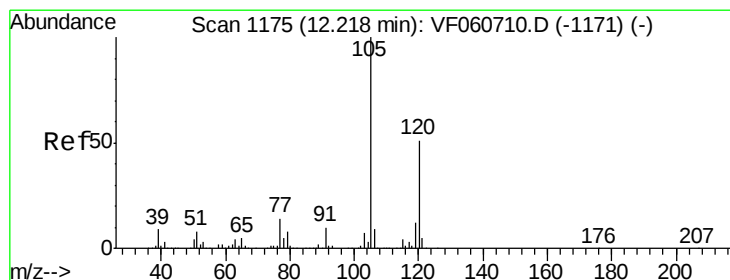
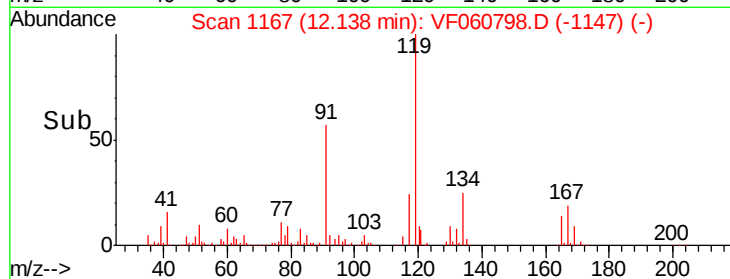
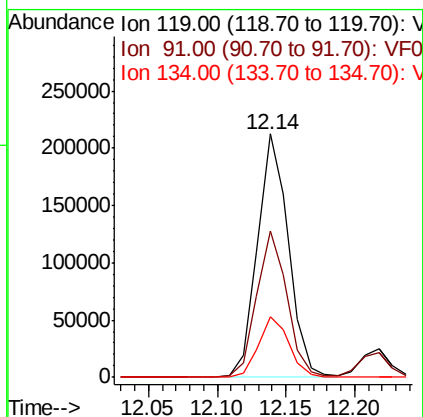
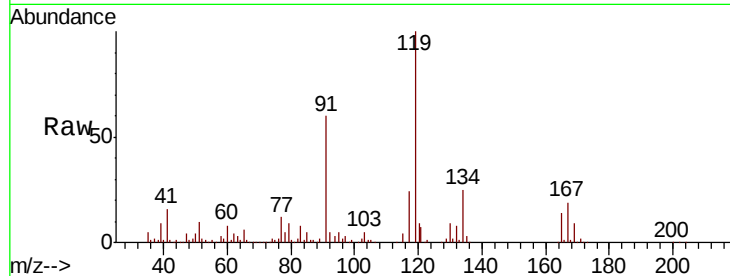
#83
tert-Butylbenzene
Concen: 58.500 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	334351		
91	60.0		31.4	94.3
134	24.7		12.8	38.4

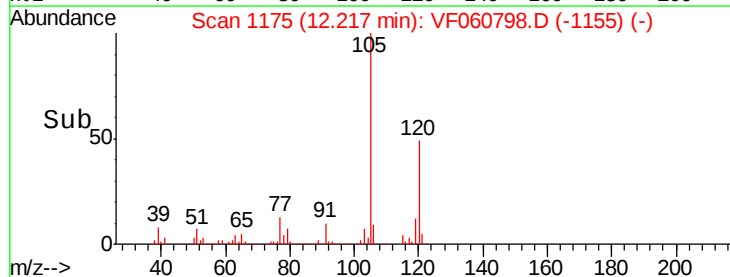
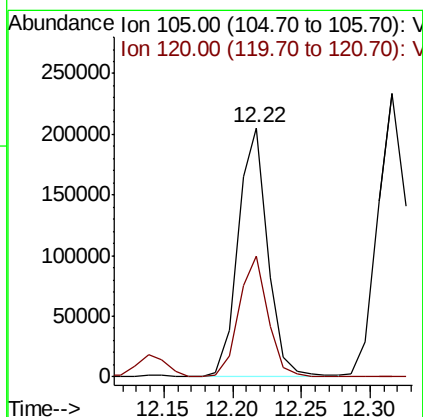
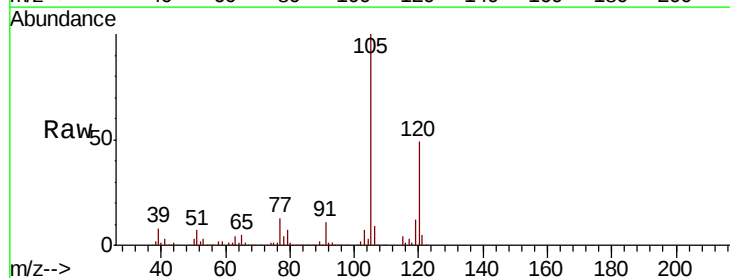
Manual Integrations
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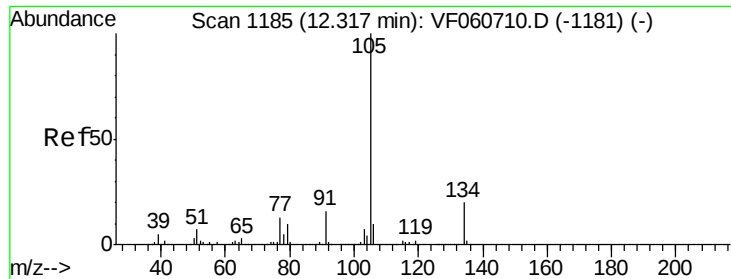
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#84
1,2,4-Trimethylbenzene
Concen: 54.936 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	305831		
120	48.6		25.5	76.5





#85

sec-Butylbenzene

Concen: 45.409 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:105 Resp: 352056

Ion Ratio Lower Upper

105 100

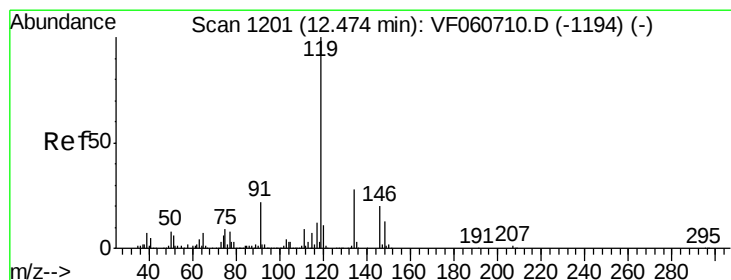
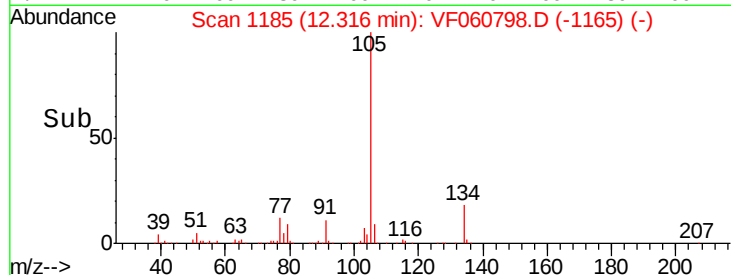
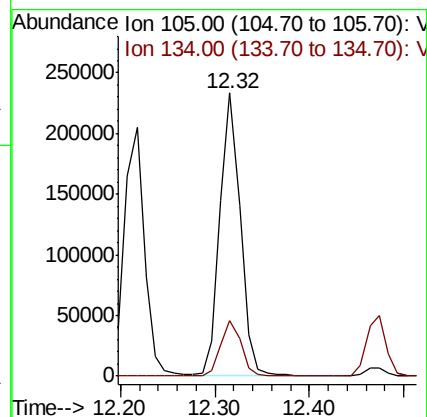
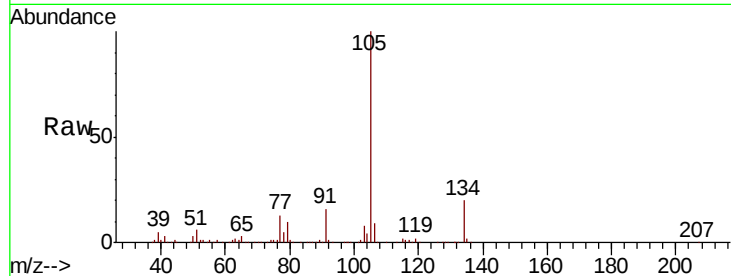
134 19.8 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 45.805 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

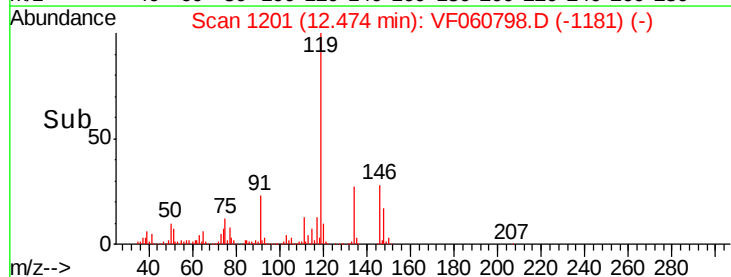
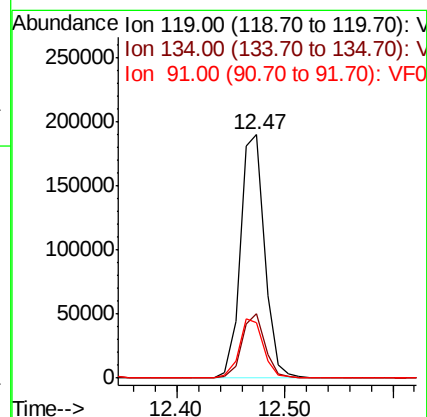
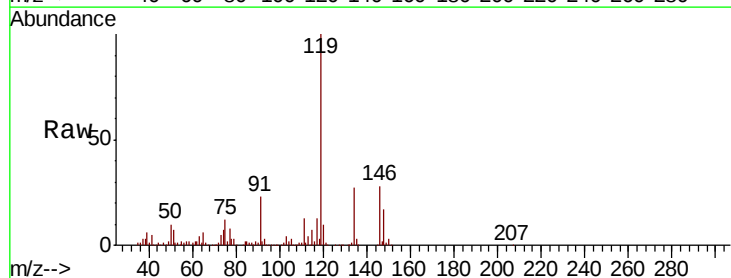
Tgt Ion:119 Resp: 296596

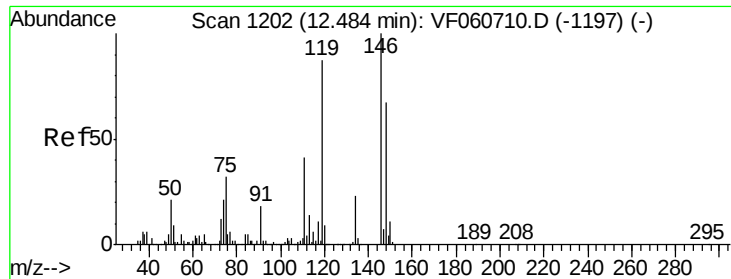
Ion Ratio Lower Upper

119 100

134 26.6 13.9 41.7

91 22.8 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 52.925 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

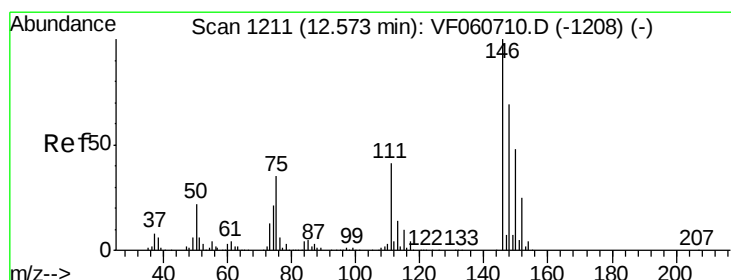
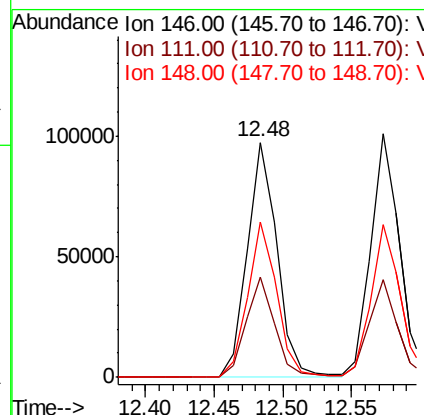
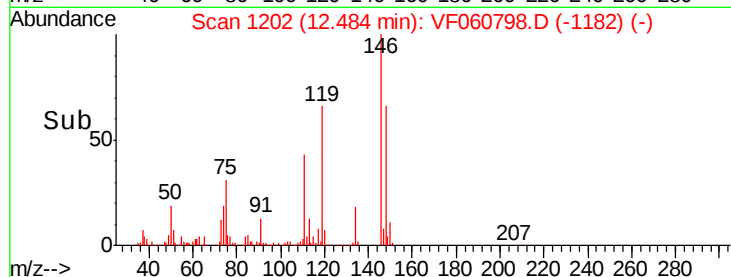
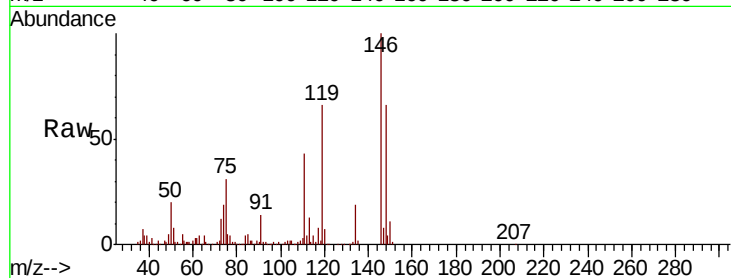
Instrument :
MSVOA_F

ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.8
148	65.7	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 55.340 ug/l

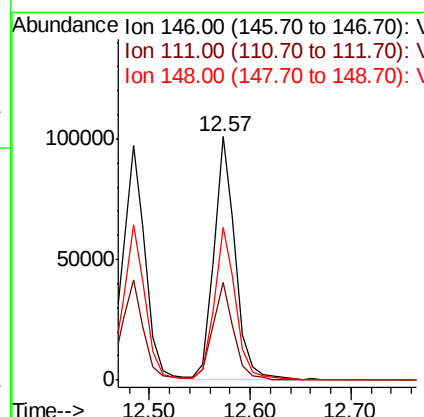
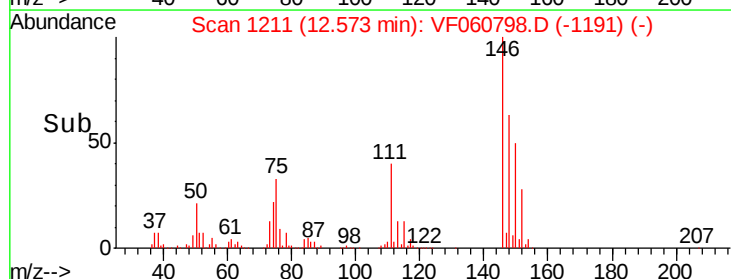
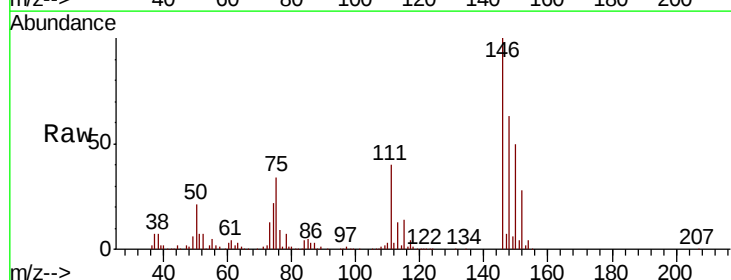
RT: 12.57 min Scan# 1211

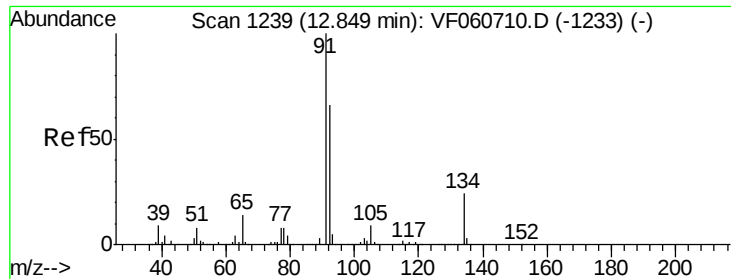
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	62.5	34.7	104.1





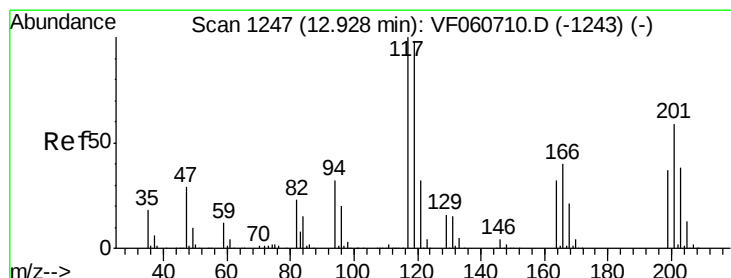
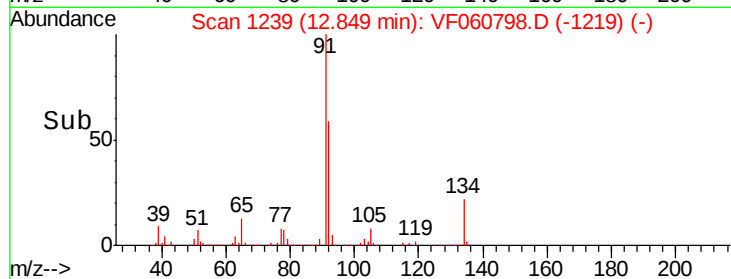
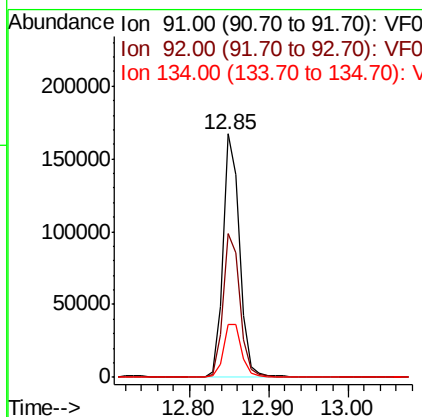
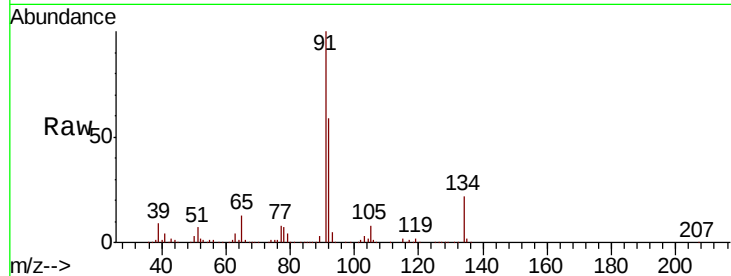
#89
n-Butylbenzene
Concen: 37.001 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	33.1	99.2
134	21.8	11.9	35.9

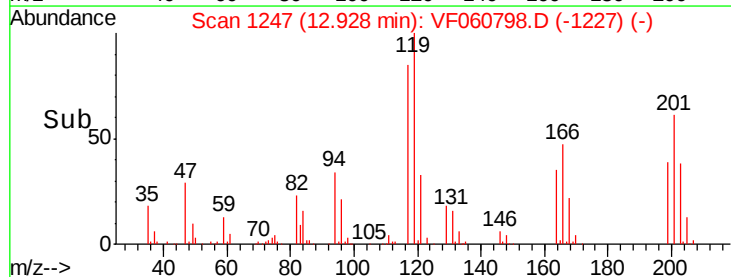
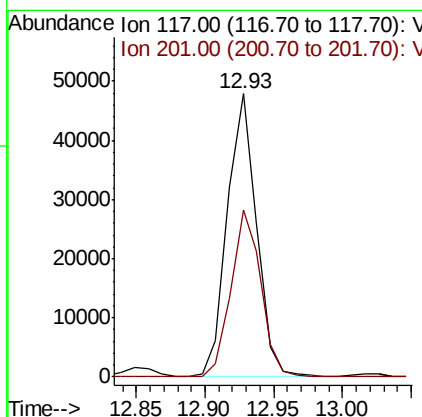
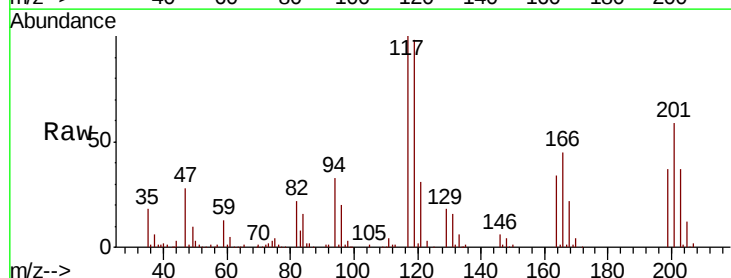
Manual Integrations
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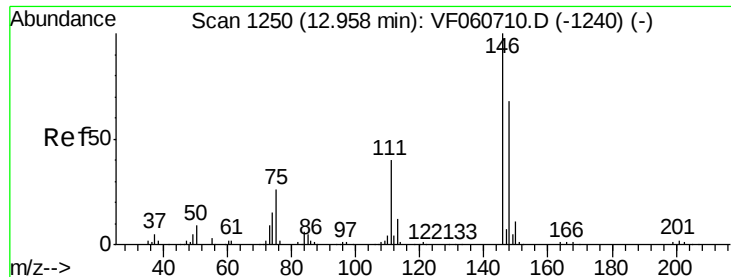
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#90
Hexachloroethane
Concen: 44.741 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.9	29.4	88.3





#91

1,2-Dichlorobenzene

Concen: 56.808 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Instrument :

MSVOA_F

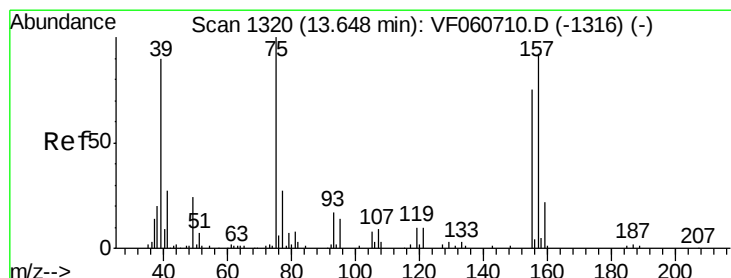
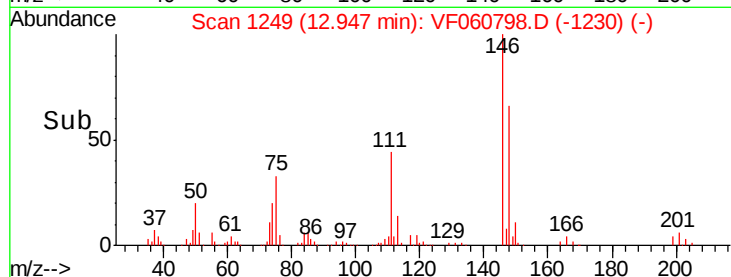
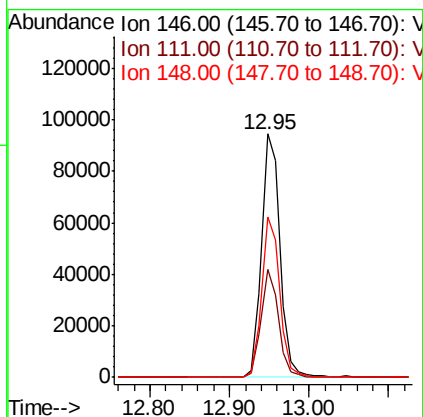
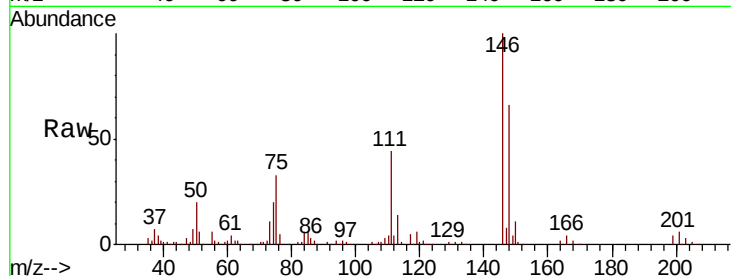
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	146	Resp:	150227
Ion Ratio		Lower	Upper
146	100		
111	44.1	20.3	60.8
148	65.8	34.1	102.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 79.278 ug/l

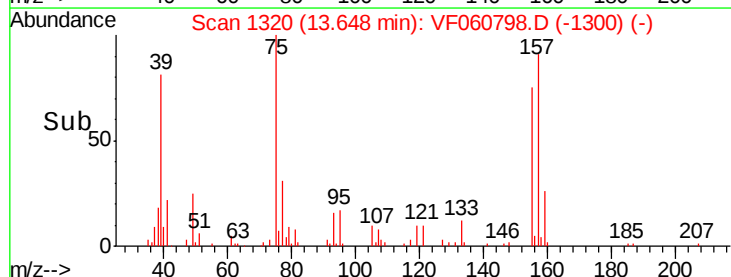
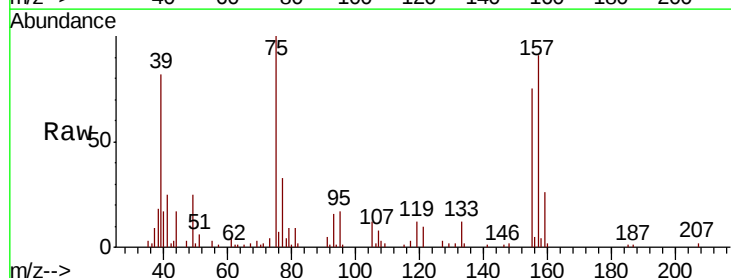
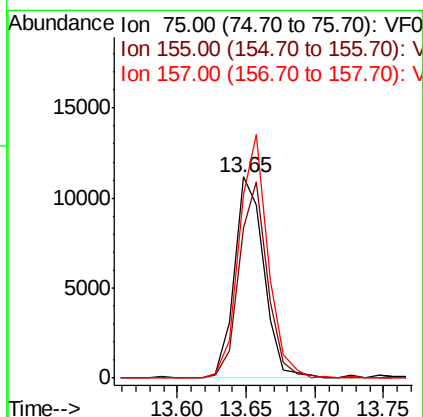
RT: 13.65 min Scan# 1320

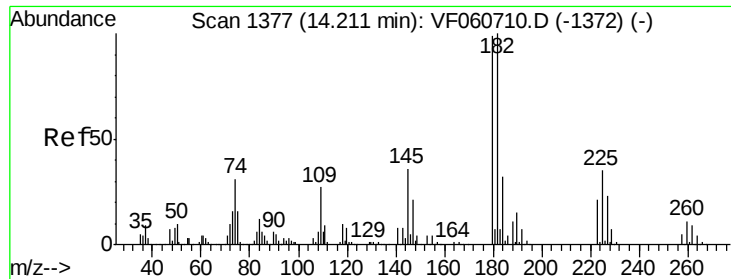
Delta R.T. -0.00 min

Lab File: VF060798.D

Acq: 20 Nov 2018 1:45

Tgt Ion:	75	Resp:	16703
Ion Ratio		Lower	Upper
75	100		
155	74.7	37.4	112.2
157	91.5	46.0	138.0





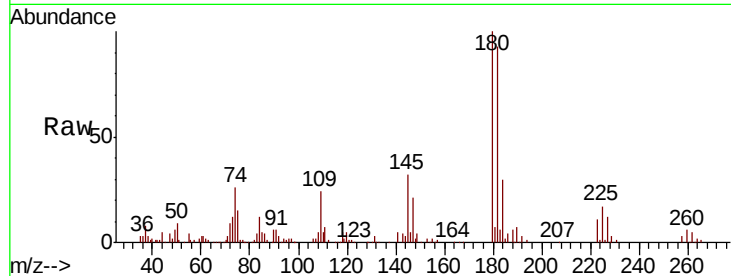
#93
 1,2,4-Trichlorobenzene
 Concen: 34.801 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66148		
182	93.3	50.3	151.0	
145	32.3	18.3	54.9	

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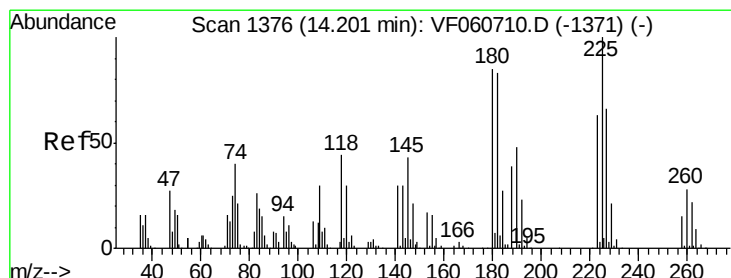
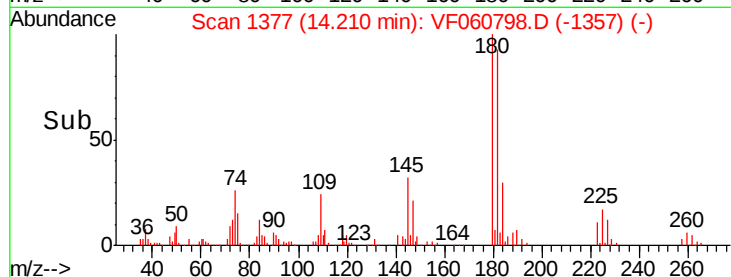
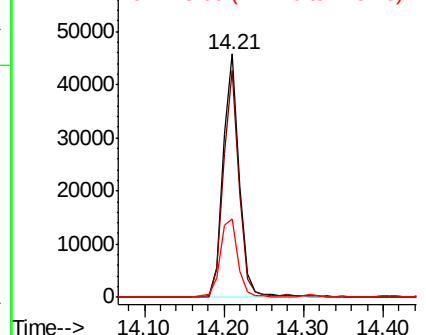


Abundance

Ion 180.00 (179.70 to 180.70): V

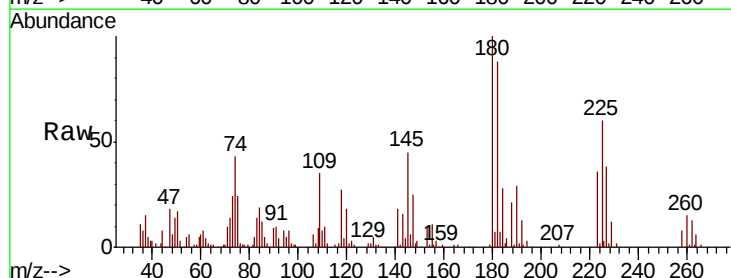
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 19.602 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060798.D
 Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24347		
223	60.5	31.5	94.5	
227	64.0	33.0	99.0	

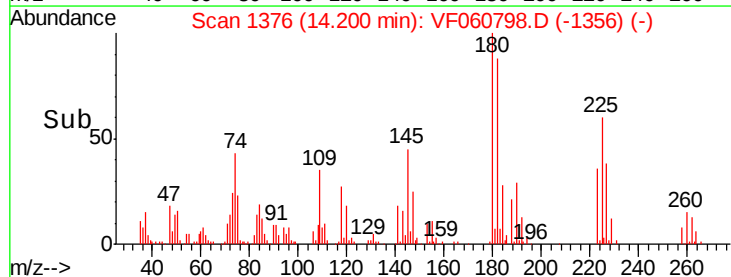
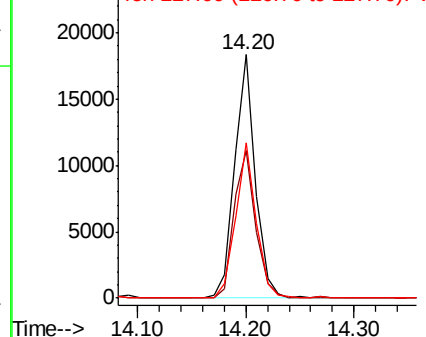


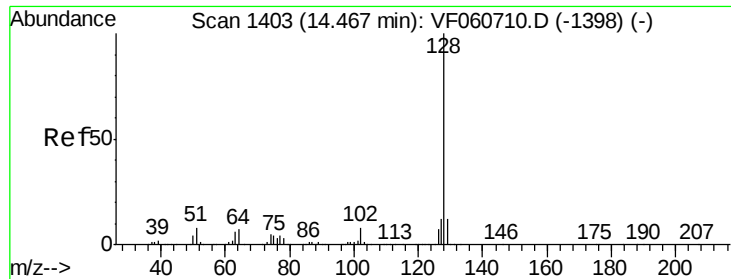
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





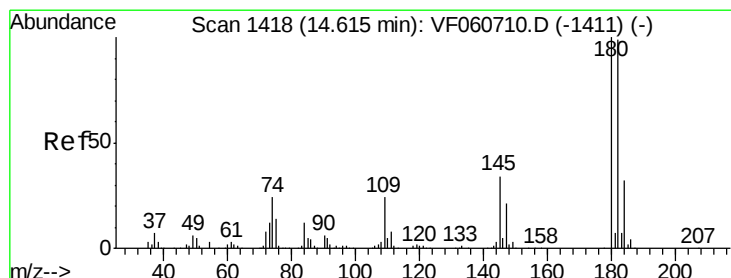
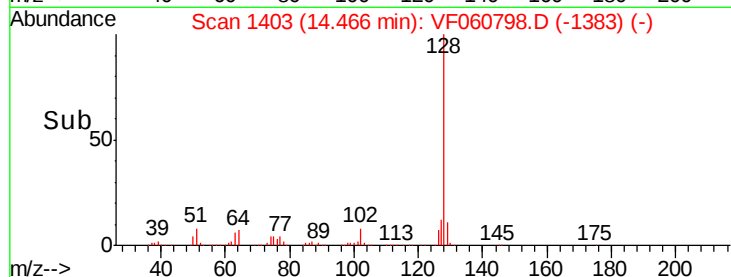
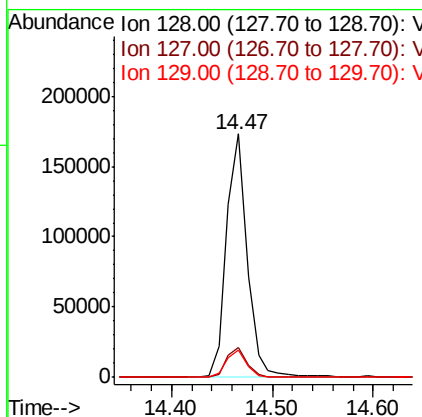
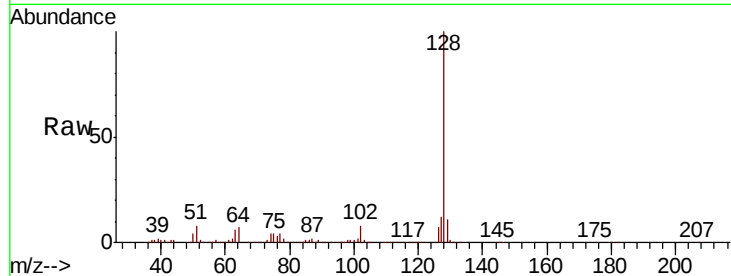
#95
Naphthalene
Concen: 71.962 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	249580		
127	12.0		9.8	14.6
129	11.2		9.3	13.9

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#96
1,2,3-Trichlorobenzene
Concen: 34.568 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF060798.D
Acq: 20 Nov 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60715		
182	95.6		49.6	149.0
145	35.2		16.9	50.7

