

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060398.D
 Acq On : 2 Oct 2018 13:22
 Operator : VA/AP
 Sample : VF1002SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:02:03 PM

Quant Time: Oct 02 14:29:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	280029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	478823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	417446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	224838	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	219274	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.27	113	205107	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
50) Toluene-d8	7.69	98	539880	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.50	95	235808	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	146559	21.079	ug/l	97
3) Chloromethane	1.13	50	86556	22.763	ug/l	99
4) Vinyl Chloride	1.18	62	84820	21.443	ug/l	96
5) Bromomethane	1.37	94	61492	20.069	ug/l	90
6) Chloroethane	1.43	64	39503	20.012	ug/l	97
7) Trichlorofluoromethane	1.54	101	176956	19.281	ug/l	97
8) Diethyl Ether	1.70	74	25674	20.413	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87659	19.940	ug/l	93
10) Methyl Iodide	1.96	142	136388m	20.344	ug/l	
11) Tert butyl alcohol	2.67	59	30709	115.864	ug/l #	91
12) 1,1-Dichloroethene	1.86	96	71902	21.168	ug/l	94
13) Acrolein	2.08	56	21528	100.999	ug/l	91
14) Allyl chloride	2.18	41	107906	19.826	ug/l	92
15) Acrylonitrile	3.06	53	56532	124.479	ug/l #	90
16) Acetone	2.33	43	133560	137.294	ug/l #	87
17) Carbon Disulfide	1.89	76	221782	21.562	ug/l	97
18) Methyl Acetate	2.44	43	38994	22.708	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	180157	21.776	ug/l	99
20) Methylene Chloride	2.27	84	74071m	19.797	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	70318	20.728	ug/l	95
22) Diisopropyl ether	2.91	45	220070	22.276	ug/l	94
23) Vinyl Acetate	3.31	43	464546	118.376	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	142918	21.393	ug/l	99
25) 2-Butanone	4.49	43	146692	129.290	ug/l #	88
26) 2,2-Dichloropropane	3.74	77	79036	20.888	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	82424	21.731	ug/l	94
28) Bromochloromethane	3.87	49	53819	21.858	ug/l	92
29) Tetrahydrofuran	4.23	42	52475	120.400	ug/l	98
30) Chloroform	4.01	83	173585	21.057	ug/l	97
31) Cyclohexane	3.84	56	111422	23.226	ug/l	87
32) 1,1,1-Trichloroethane	4.25	97	139674	20.361	ug/l	96
36) 1,1-Dichloropropene	4.44	75	116694	19.767	ug/l	96
37) Ethyl Acetate	4.27	43	50958	22.541	ug/l #	73
38) Carbon Tetrachloride	4.14	117	136245	18.960	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	127723	22.069	ug/l	89
40) Benzene	4.79	78	257325	21.957	ug/l	97
41) Methacrylonitrile	4.89	41	25722	21.459	ug/l #	83
42) 1,2-Dichloroethane	5.10	62	109746	19.629	ug/l	95
43) Isopropyl Acetate	7.09	43	56064	20.521	ug/l #	94
44) Trichloroethene	5.65	130	76070	20.229	ug/l	93
45) 1,2-Dichloropropane	6.38	63	62432	20.004	ug/l	97
46) Dibromomethane	6.23	93	53042	21.138	ug/l	94
47) Bromodichloromethane	6.53	83	122930	19.780	ug/l	92
48) Methyl methacrylate	6.85	41	39752	20.270	ug/l #	87
49) 1,4-Dioxane	6.84	88	7690	454.784	ug/l #	75
51) 4-Methyl-2-Pentanone	8.38	43	219643	112.941	ug/l	99
52) Toluene	7.76	92	158423	19.902	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	97607	20.041	ug/l	93
54) cis-1,3-Dichloropropene	7.43	75	121115	21.277	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	51488	20.406	ug/l	96
56) Ethyl methacrylate	8.74	69	58147	20.281	ug/l	97
57) 1,3-Dichloropropane	8.98	76	86224	20.200	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	27186	92.828	ug/l	100
59) 2-Hexanone	9.61	43	164818	115.544	ug/l	99
60) Dibromochloromethane	8.84	129	74651	19.650	ug/l	95
61) 1,2-Dibromoethane	9.12	107	59930	21.707	ug/l	97
64) Tetrachloroethene	8.29	164	68703	20.703	ug/l	93
65) Chlorobenzene	9.92	112	181387	21.153	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	79030	21.107	ug/l	98
67) Ethyl Benzene	10.02	91	344515	21.130	ug/l	100
68) m/p-Xylenes	10.25	106	244321	43.590	ug/l	96
69) o-Xylene	10.82	106	136735	22.381	ug/l	95
70) Styrene	10.88	104	173677	19.985	ug/l	93
71) Bromoform	10.87	173	42670	21.405	ug/l	94
73) Isopropylbenzene	11.21	105	397548	22.456	ug/l	97
74) N-amyl acetate	11.45	43	82542	20.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	72313	22.405	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	53236	22.405	ug/l	93
77) Bromobenzene	11.58	156	83765	21.167	ug/l	95
78) n-propylbenzene	11.67	91	482935	22.502	ug/l	96
79) 2-Chlorotoluene	11.80	91	274762	21.886	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	330185	21.953	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	21870m	20.764	ug/l	
82) 4-Chlorotoluene	11.98	91	273702	21.308	ug/l	99
83) tert-Butylbenzene	12.21	119	329872	22.236	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	327550	21.959	ug/l	92
85) sec-Butylbenzene	12.37	105	459812	22.455	ug/l	97
86) p-Isopropyltoluene	12.53	119	374066	22.360	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	164498	22.090	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	152913	20.825	ug/l	97
89) n-Butylbenzene	12.91	91	398724	22.524	ug/l	94
90) Hexachloroethane	12.98	117	95398	22.063	ug/l	90
91) 1,2-Dichlorobenzene	13.00	146	163944	22.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13802	22.059	ug/l	97

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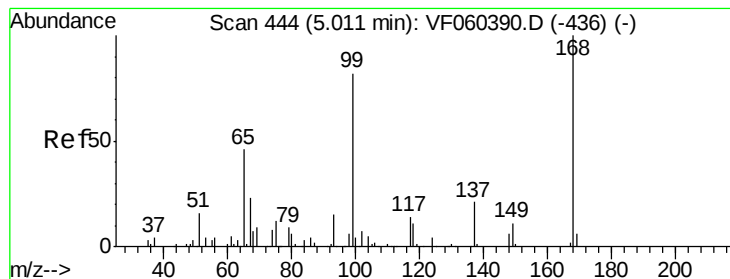
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	116976	21.935	ug/l	92
94) Hexachlorobutadiene	14.25	225	76225	20.479	ug/l	99
95) Naphthalene	14.51	128	204910	21.490	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	111501	22.304	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion:168 Resp: 280029

Ion Ratio Lower Upper

168 100

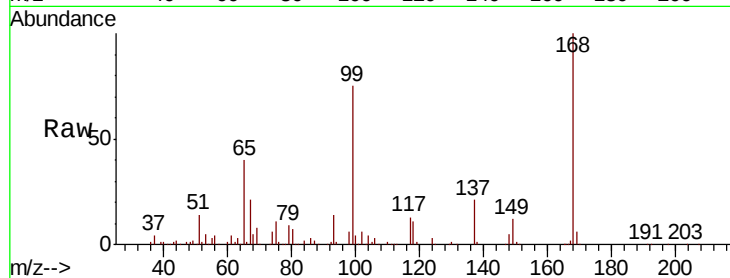
99 75.4 65.3 97.9

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

5.02

100000

80000

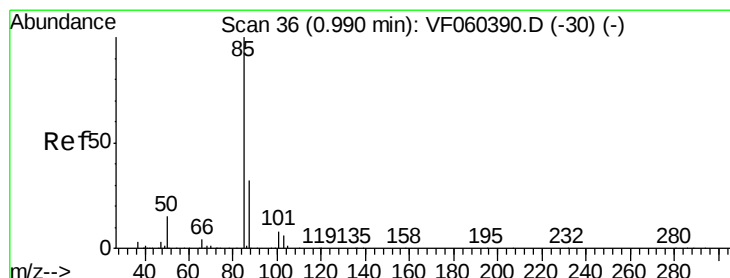
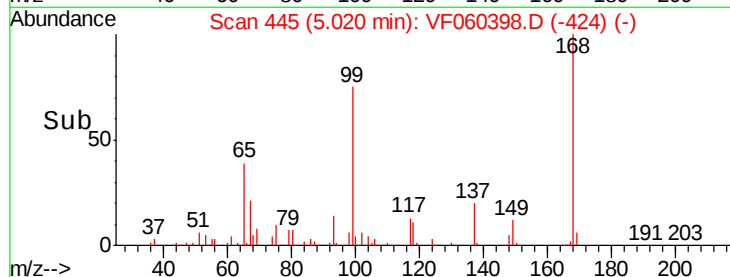
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.079 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060398.D

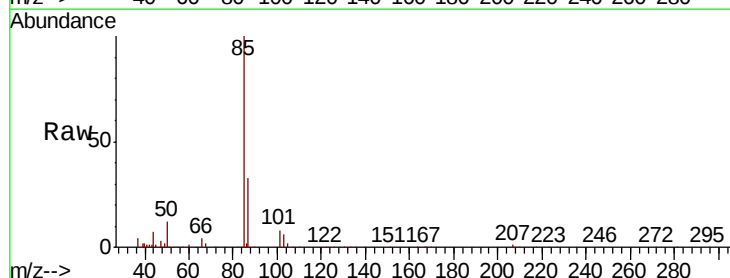
Acq: 2 Oct 2018 13:22

Tgt Ion: 85 Resp: 146559

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

50000

40000

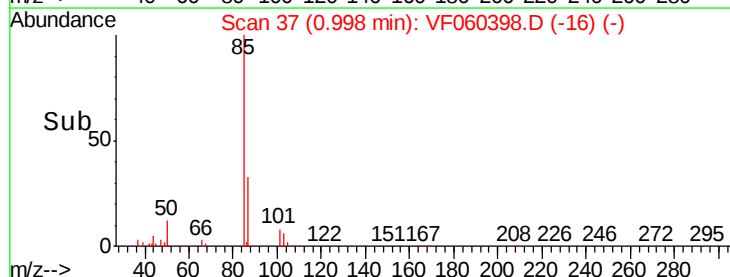
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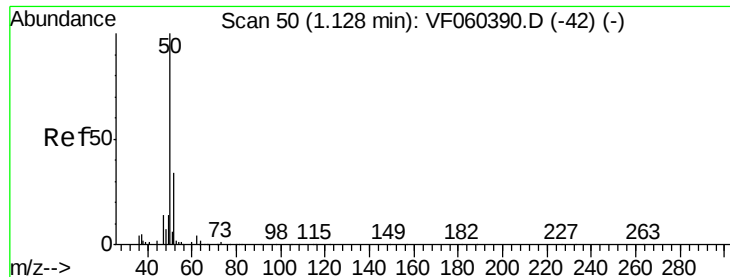
20000

10000

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Time-->





#3

Chloromethane

Concen: 22.763 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 50 Resp: 86556

Ion Ratio Lower Upper

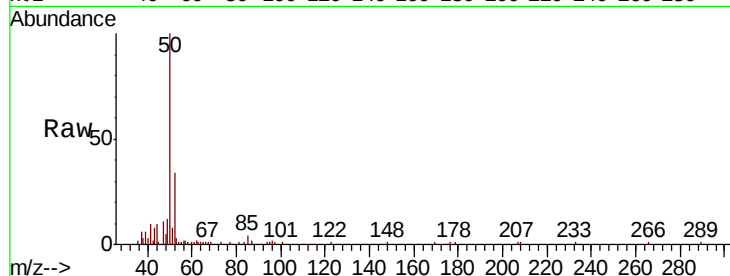
50 100

52 34.2 26.9 40.3

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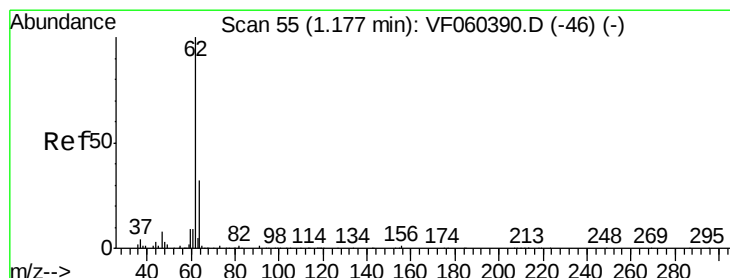
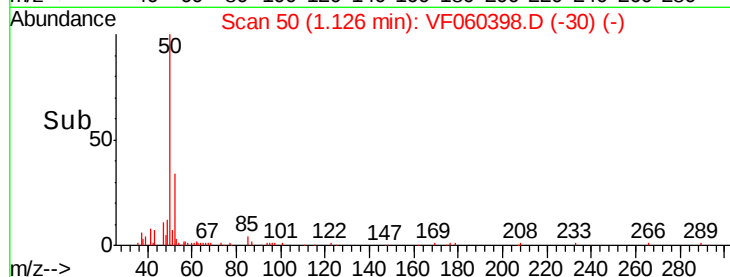
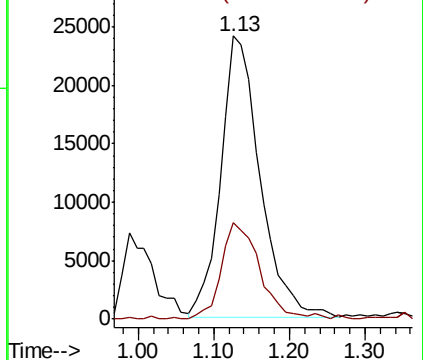
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.443 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060398.D

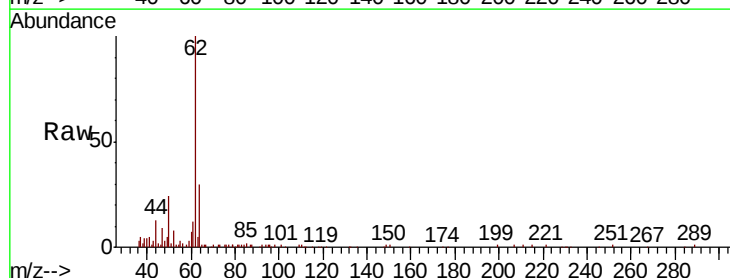
Acq: 2 Oct 2018 13:22

Tgt Ion: 62 Resp: 84820

Ion Ratio Lower Upper

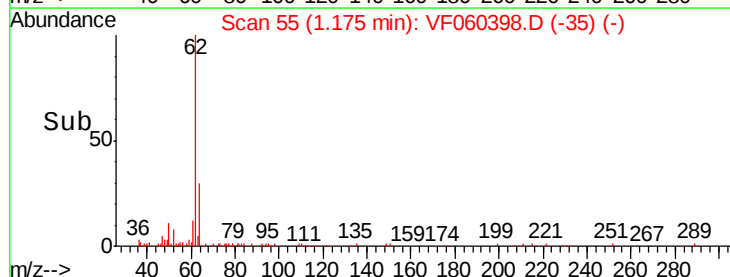
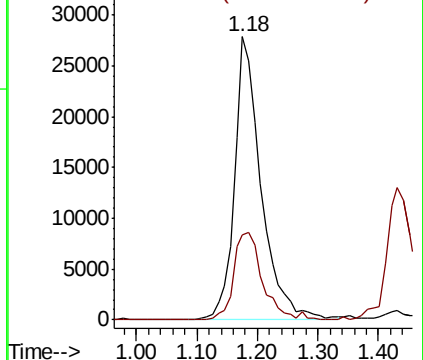
62 100

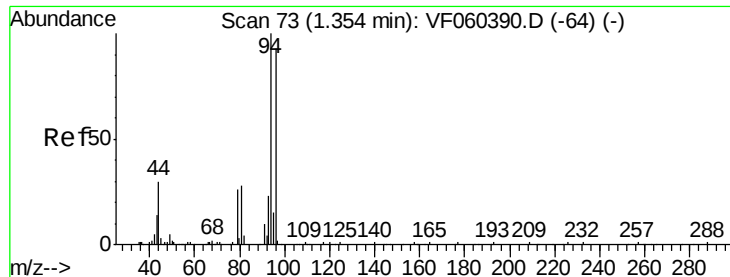
64 30.1 25.8 38.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.069 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.02 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 94 Resp: 61492

Ion Ratio Lower Upper

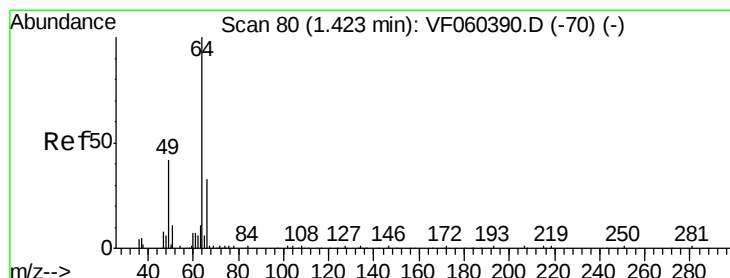
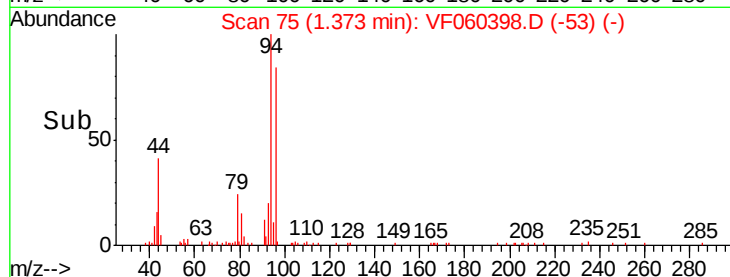
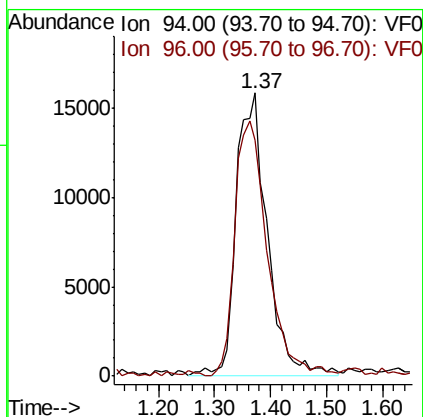
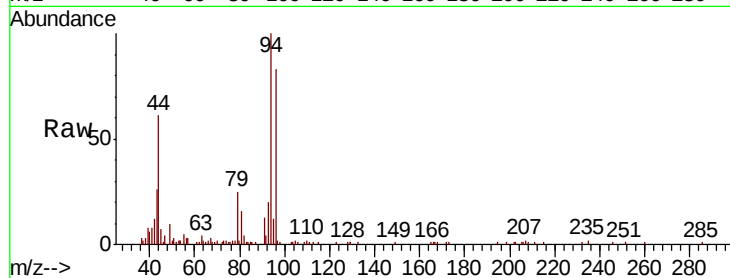
94 100

96 83.3 74.3 111.5

Manual Integrations
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#6

Chloroethane

Concen: 20.012 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060398.D

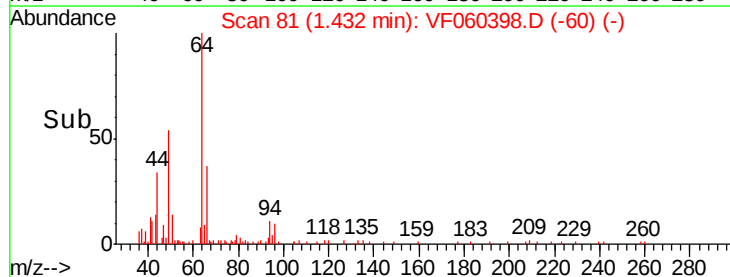
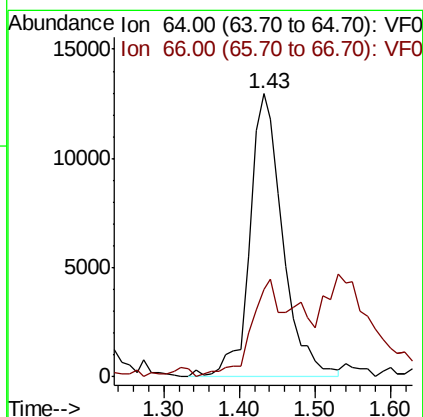
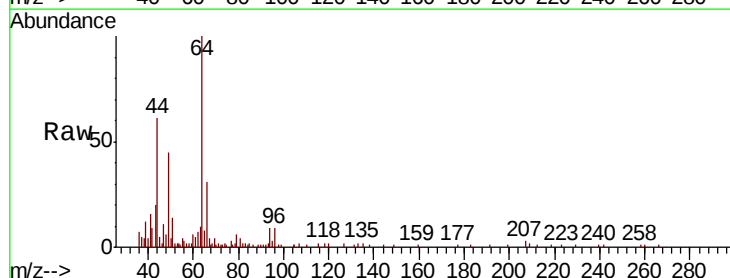
Acq: 2 Oct 2018 13:22

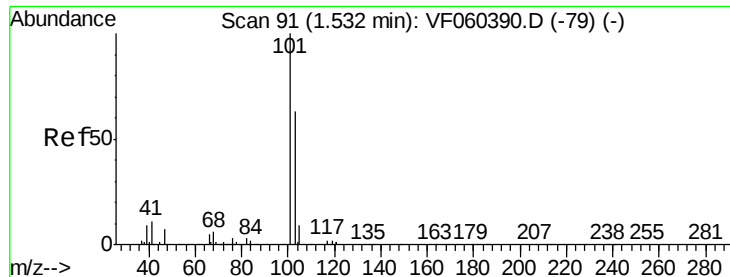
Tgt Ion: 64 Resp: 39503

Ion Ratio Lower Upper

64 100

66 31.0 26.3 39.5





#7

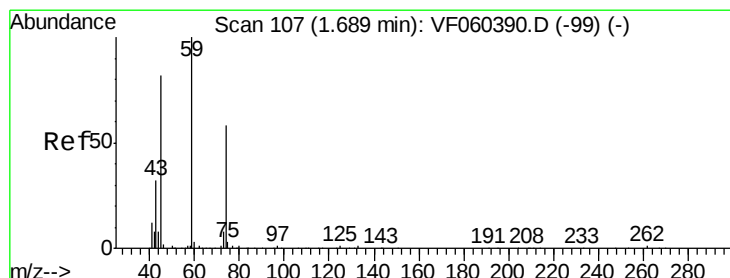
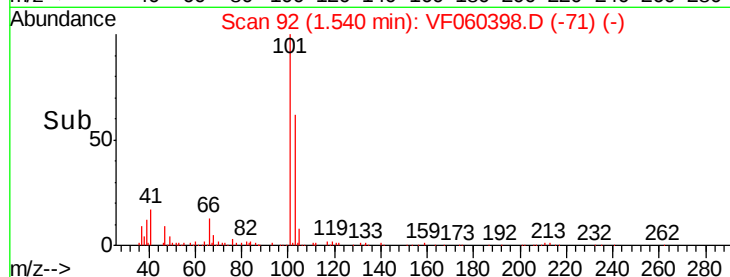
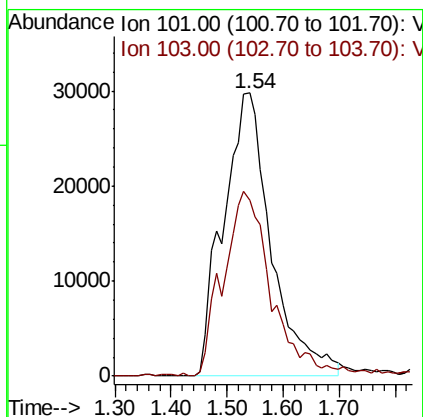
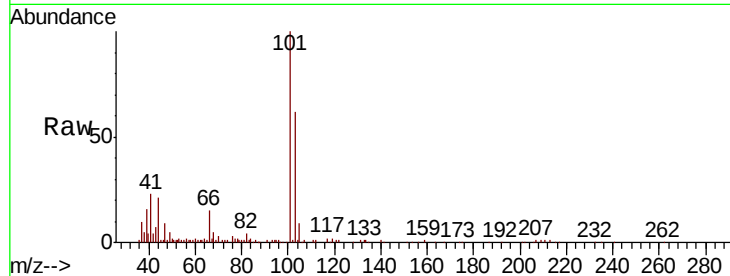
Trichlorofluoromethane
Concen: 19.281 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060398.D
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VF1002SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	51.0	76.4

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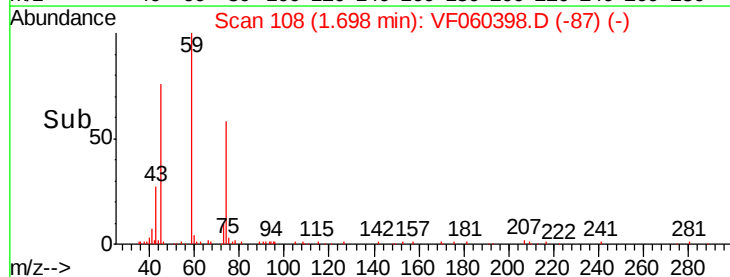
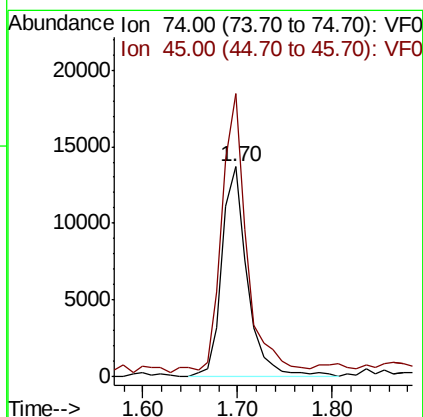
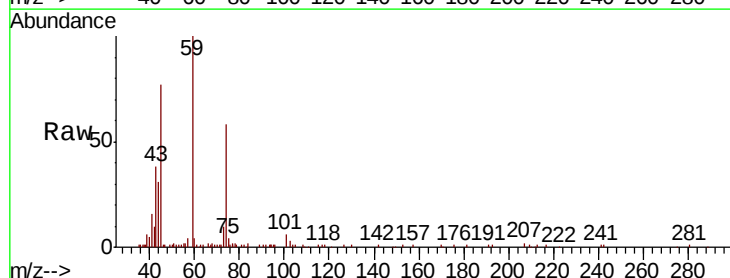
apatel
10/3/2018 1:02:03 PM

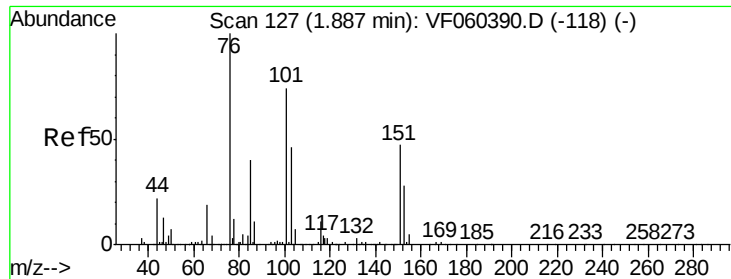


#8

Diethyl Ether
Concen: 20.413 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.7	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.940 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

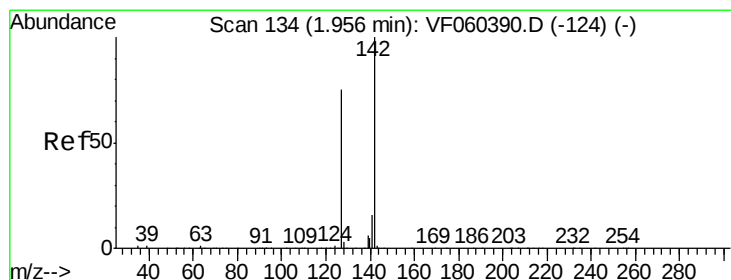
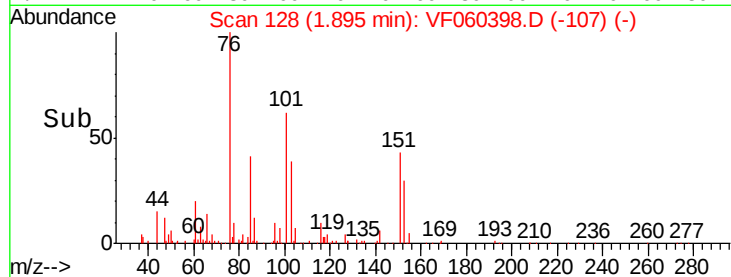
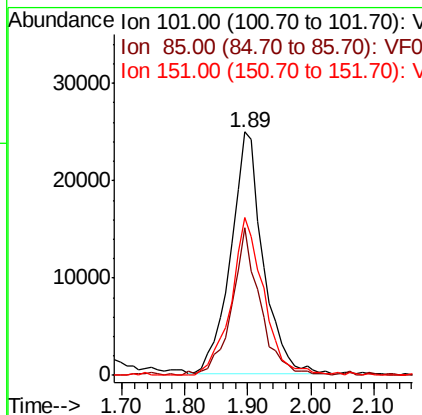
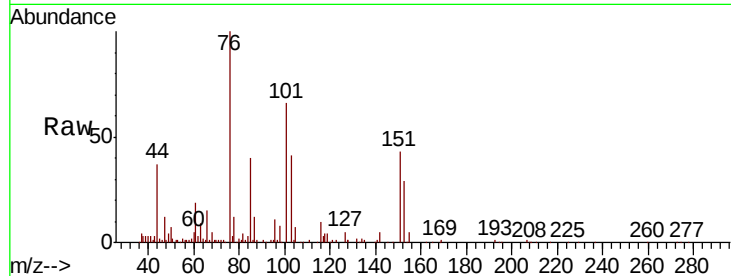
ClientSampleId :

VF1002SBS01

Tot Ion:	101	Resp:	87659
Ion Ratio	Lower	Upper	
101	100		
85	60.8	42.5	63.7
151	64.7	49.8	74.8

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#10

Methyl Iodide

Concen: 20.344 ug/l m

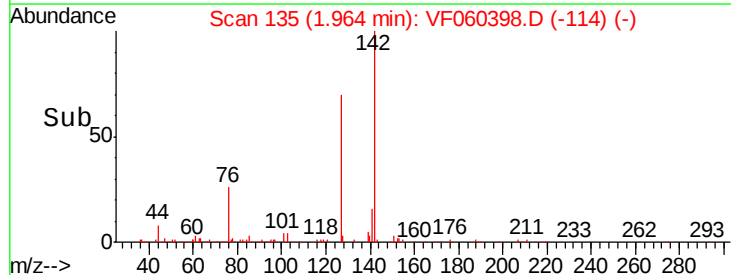
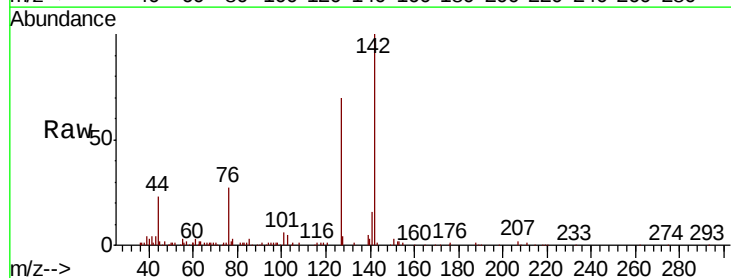
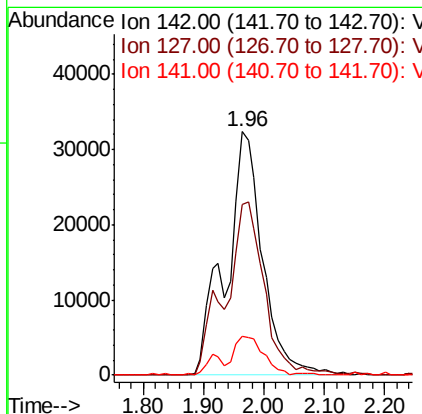
RT: 1.96 min Scan# 135

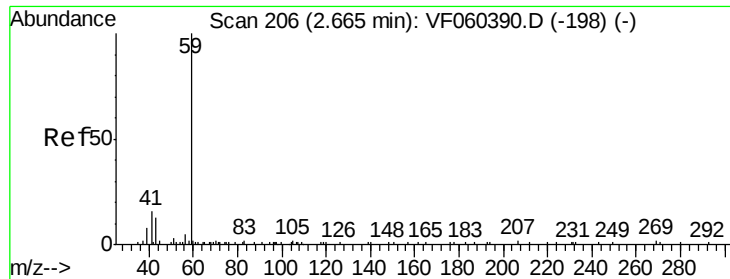
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	142	Resp:	136388
Ion Ratio	Lower	Upper	
142	100		
127	70.0	60.2	90.2
141	15.8	13.1	19.7





#11

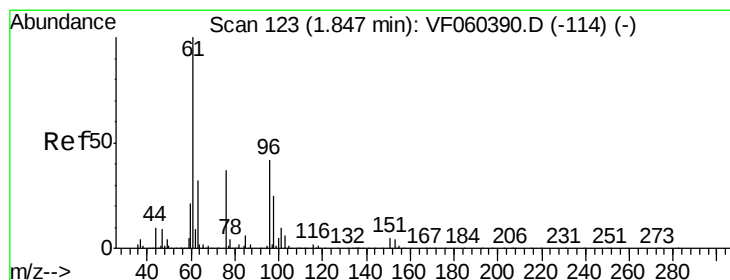
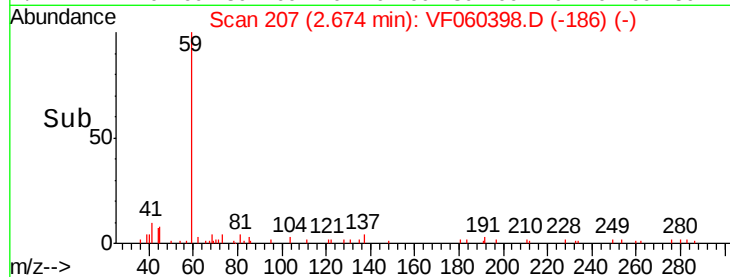
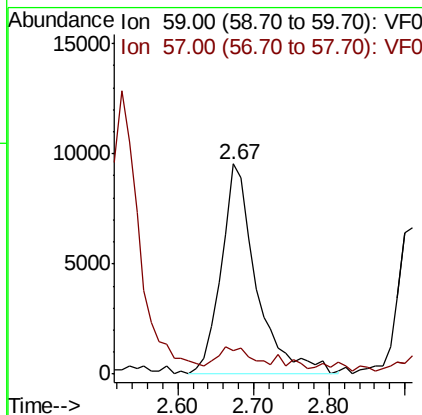
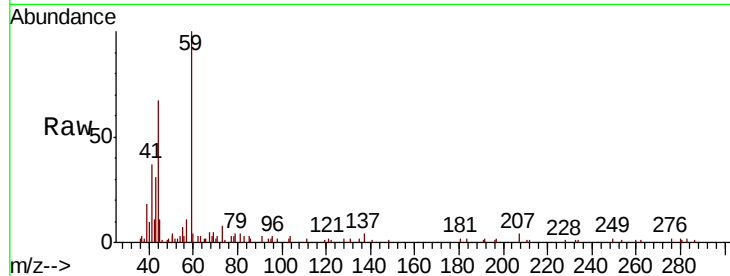
Tert butyl alcohol
Concen: 115.864 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	6.5	9.7#

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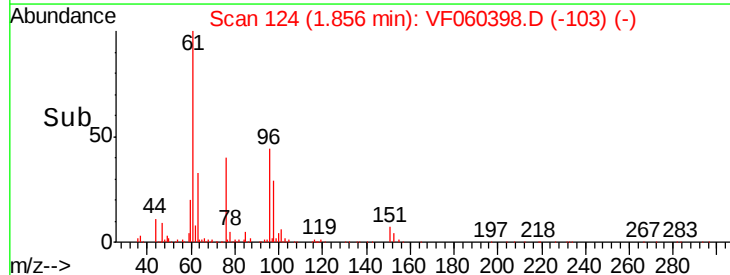
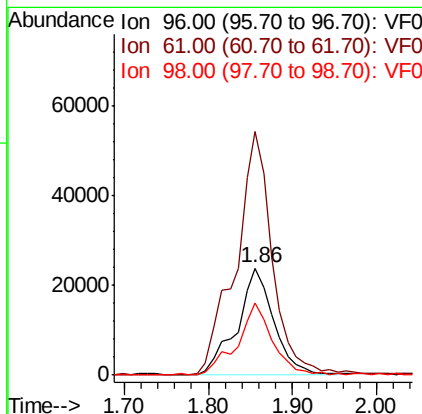
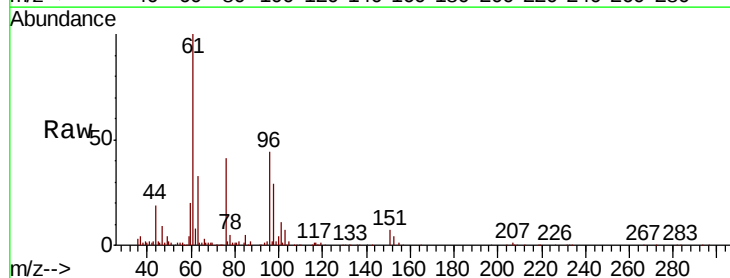
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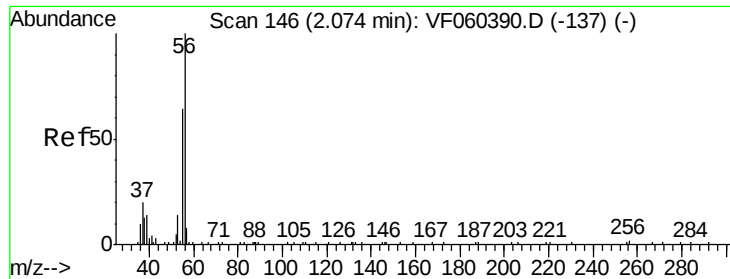


#12

1,1-Dichloroethene
Concen: 21.168 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	227.0	189.4	284.0
98	66.7	47.8	71.6





#13

Acrolein

Concen: 100.999 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 56 Resp: 21528

Ion Ratio Lower Upper

56 100

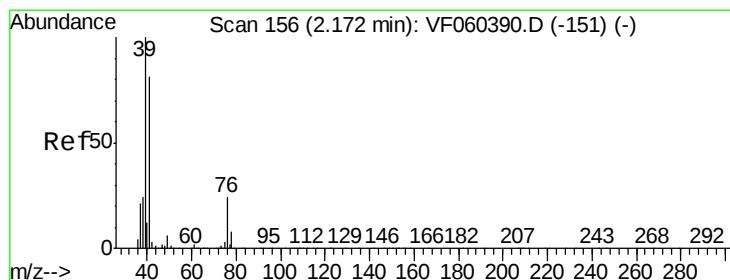
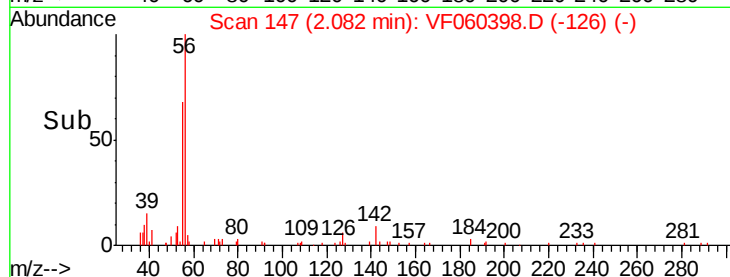
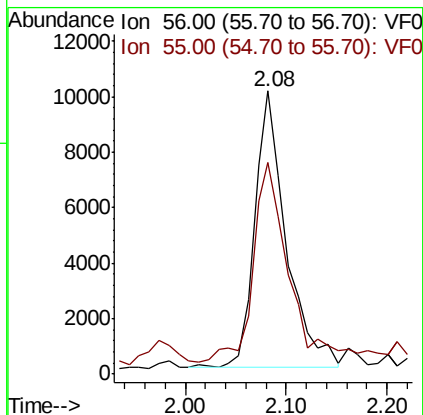
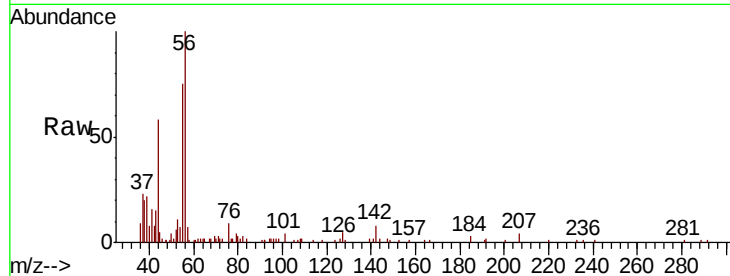
55 74.9 53.9 80.9

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#14

Allyl chloride

Concen: 19.826 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

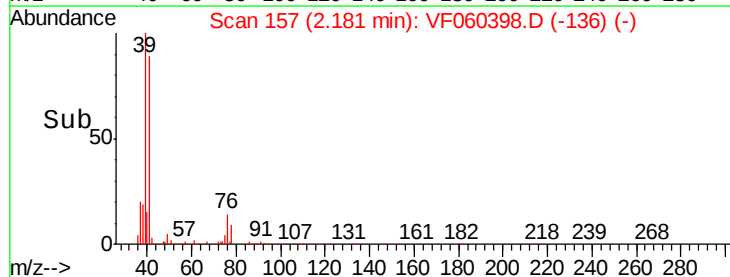
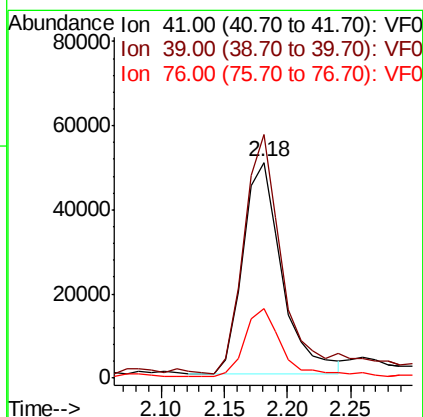
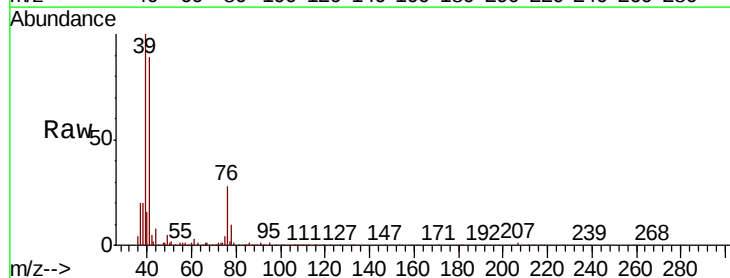
Tgt Ion: 41 Resp: 107906

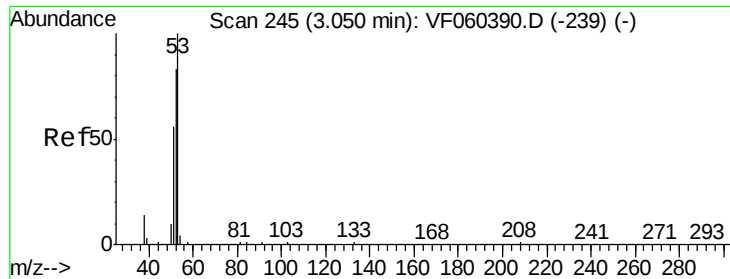
Ion Ratio Lower Upper

41 100

39 112.9 98.3 147.5

76 32.0 23.9 35.9





#15

Acrylonitrile

Concen: 124.479 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

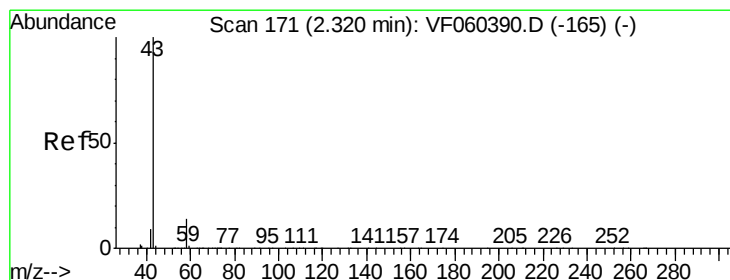
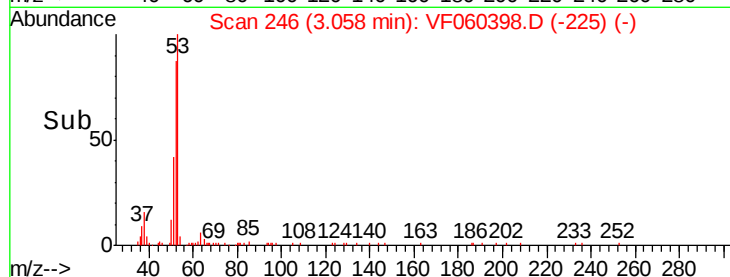
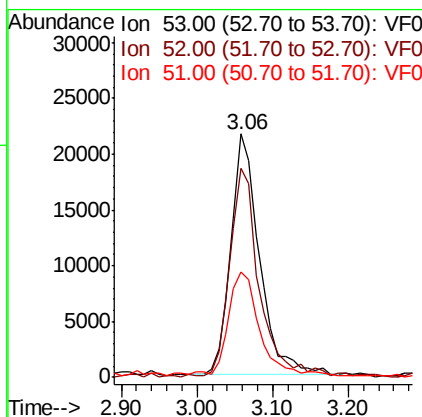
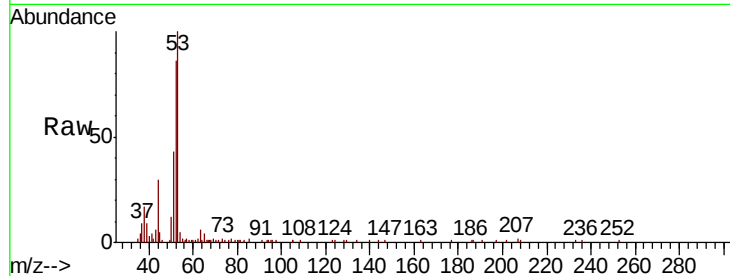
ClientSampleId :

VF1002SBS01

Tot Ion:	53	Resp:	56532
Ion Ratio	Lower	Upper	
53	100		
52	86.1	66.0	99.0
51	43.1	45.6	68.4#

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#16

Acetone

Concen: 137.294 ug/l

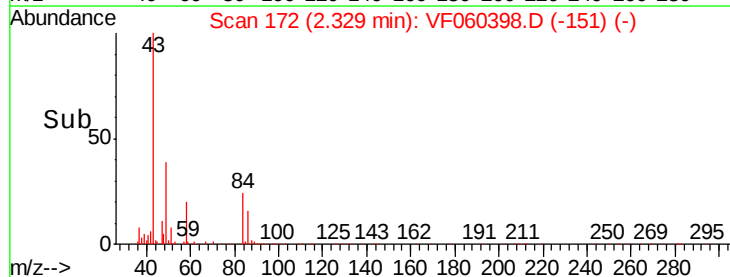
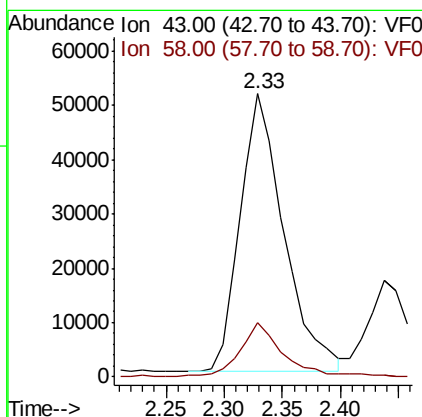
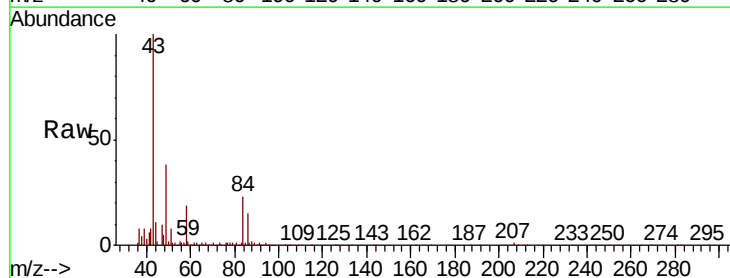
RT: 2.33 min Scan# 172

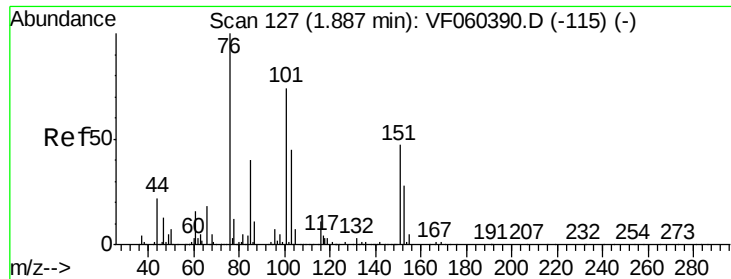
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	43	Resp:	133560
Ion Ratio	Lower	Upper	
43	100		
58	19.3	11.2	16.8#





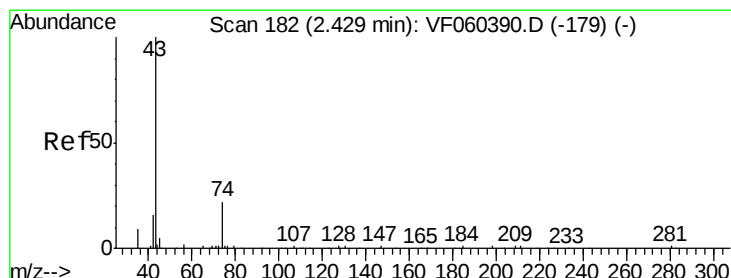
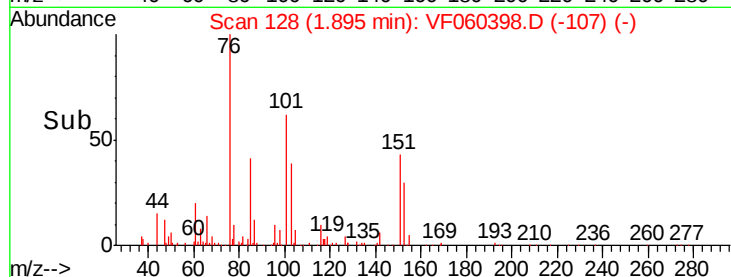
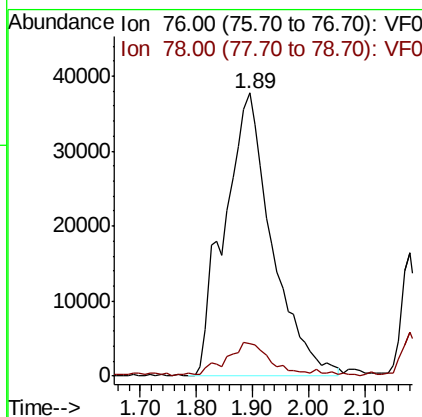
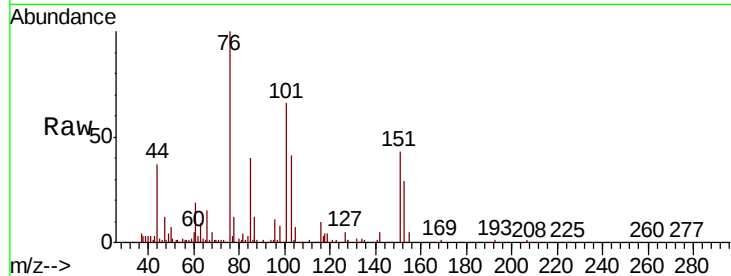
#17
Carbon Disulfide
Concen: 21.562 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion: 76 Resp: 221782
Ion Ratio Lower Upper
76 100
78 11.6 10.1 15.1

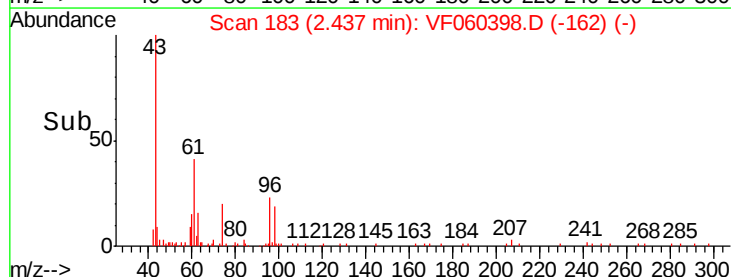
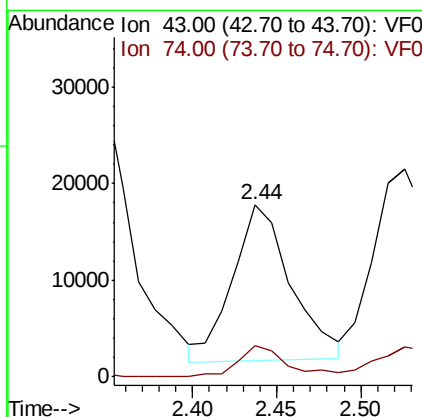
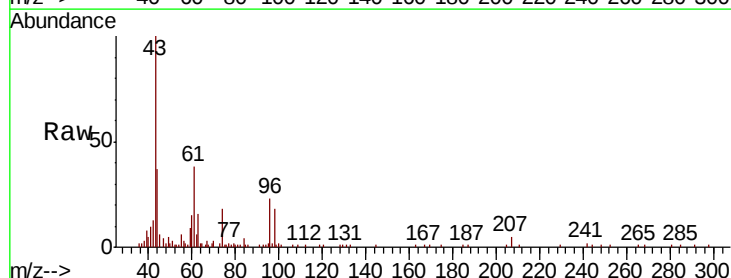
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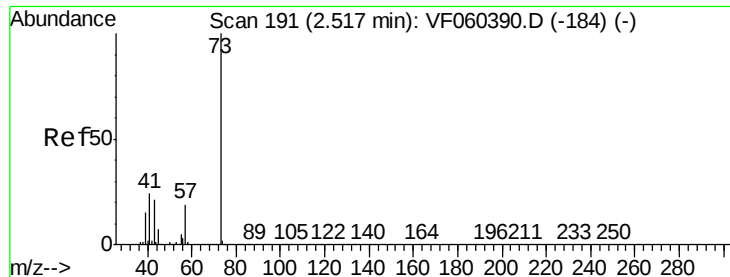
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#18
Methyl Acetate
Concen: 22.708 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion: 43 Resp: 38994
Ion Ratio Lower Upper
43 100
74 18.4 15.8 23.8





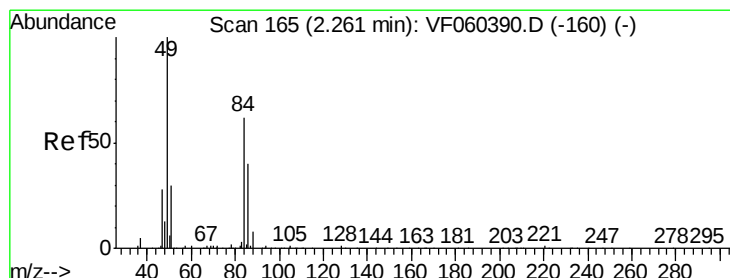
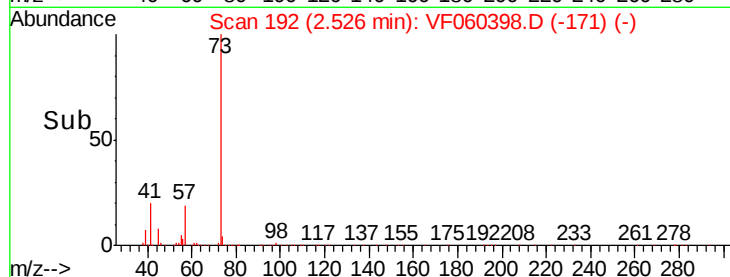
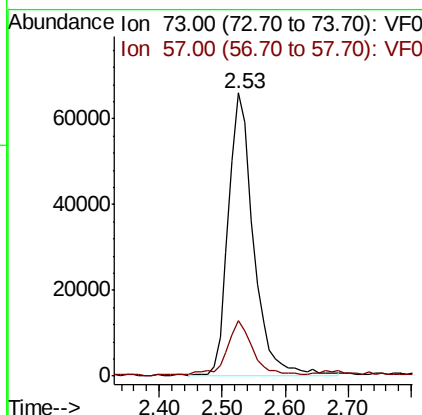
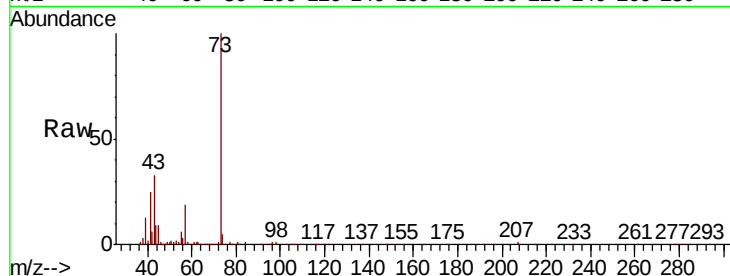
#19
Methyl tert-butyl Ether
Concen: 21.776 ug/l
RT: 2.53 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.9	23.9

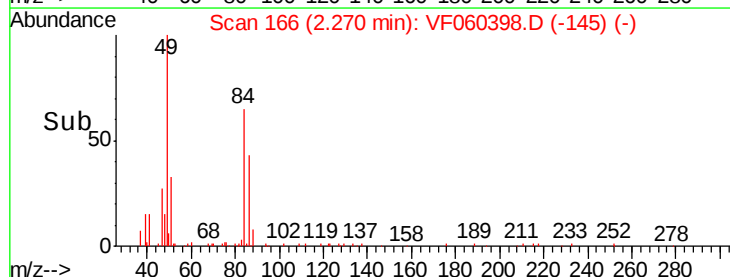
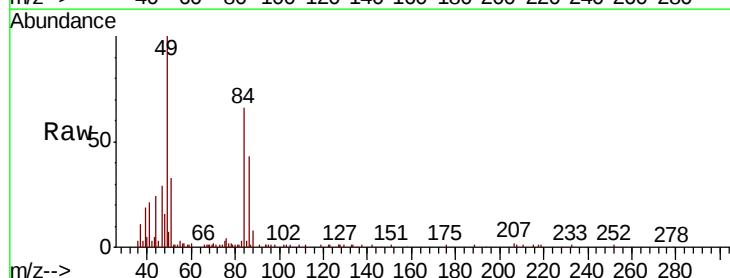
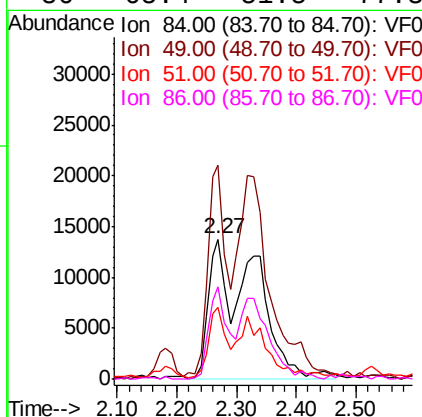
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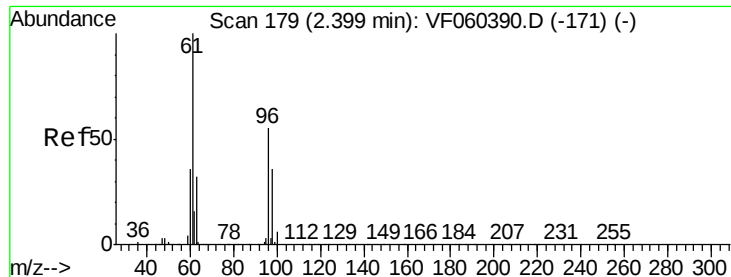
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#20
Methylene Chloride
Concen: 19.797 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.5	130.2	195.2
51	51.1	41.0	61.6
86	65.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 20.728 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

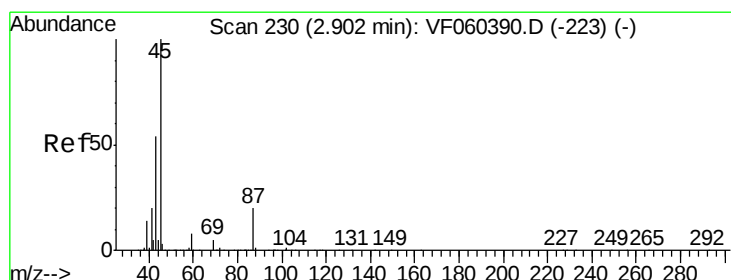
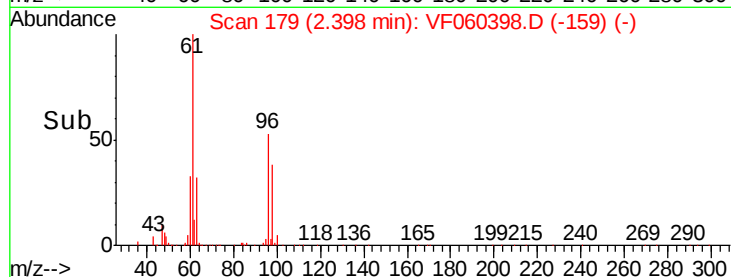
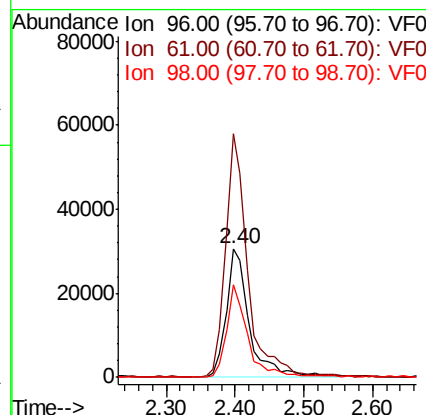
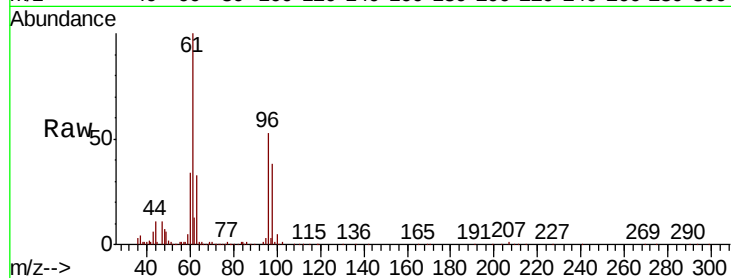
ClientSampleId :

VF1002SBS01

Tot Ion:	96	Resp:	70318
Ion	Ratio	Lower	Upper
96	100		
61	189.3	146.2	219.2
98	71.8	52.6	78.8

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#22

Diisopropyl ether

Concen: 22.276 ug/l

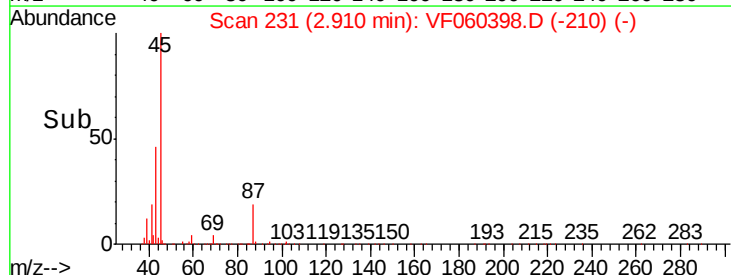
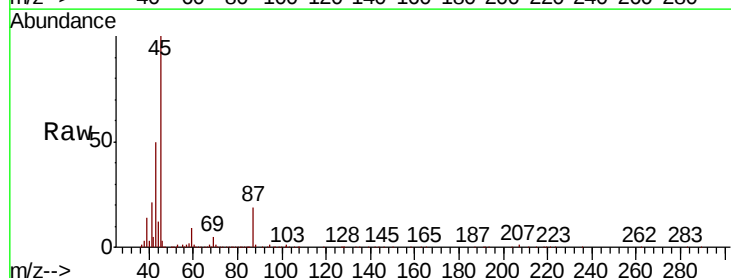
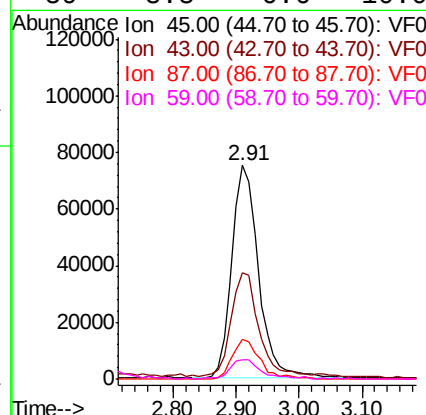
RT: 2.91 min Scan# 231

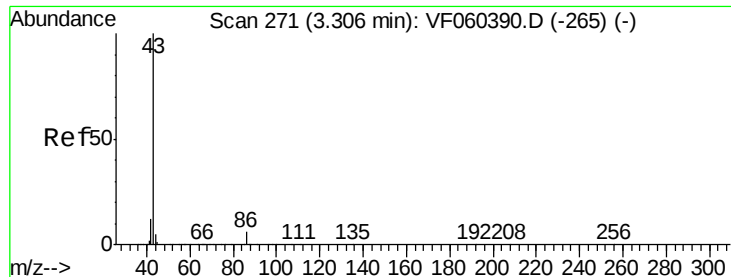
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	45	Resp:	220070
Ion	Ratio	Lower	Upper
45	100		
43	49.7	43.8	65.8
87	18.8	16.3	24.5
59	8.8	6.6	10.0





#23

Vinyl Acetate

Concen: 118.376 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 43 Resp: 464546

Ion Ratio Lower Upper

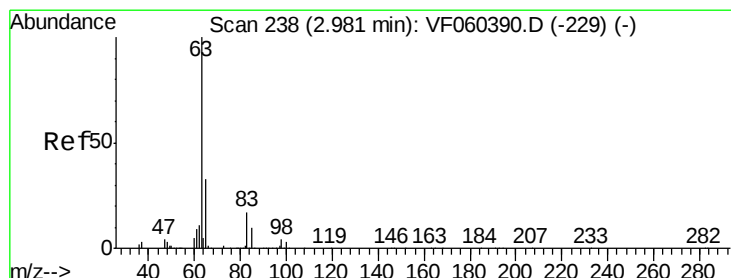
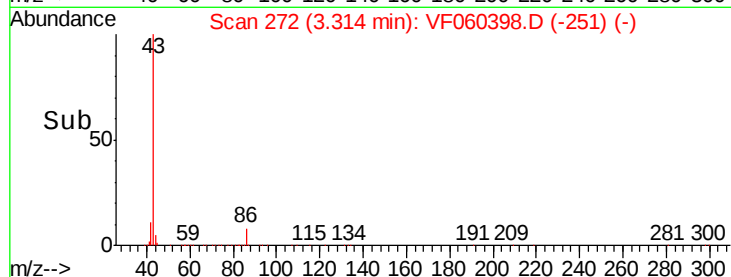
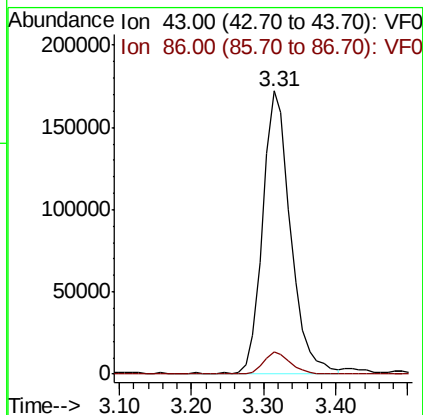
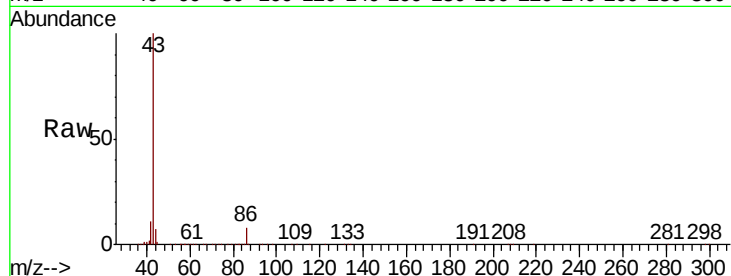
43 100

86 7.8 5.1 7.7#

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#24

1,1-Dichloroethane

Concen: 21.393 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

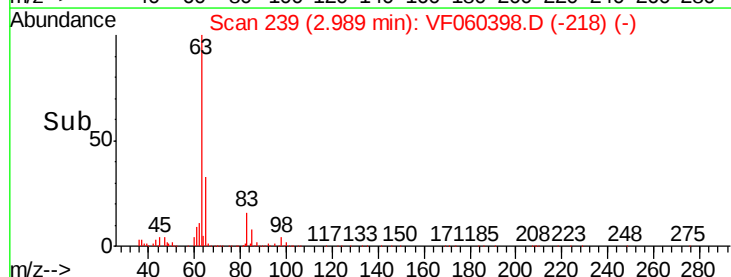
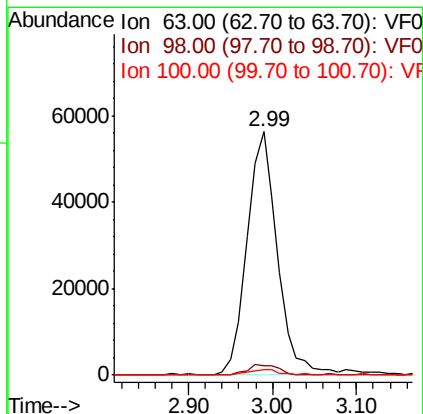
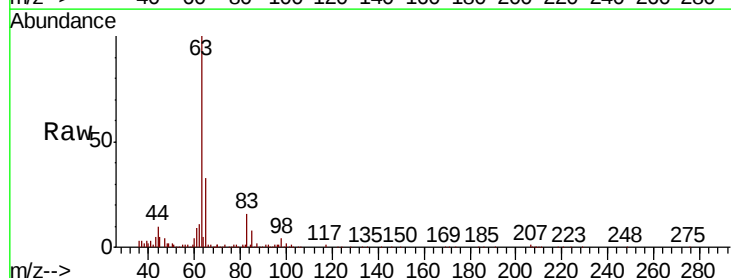
Tgt Ion: 63 Resp: 142918

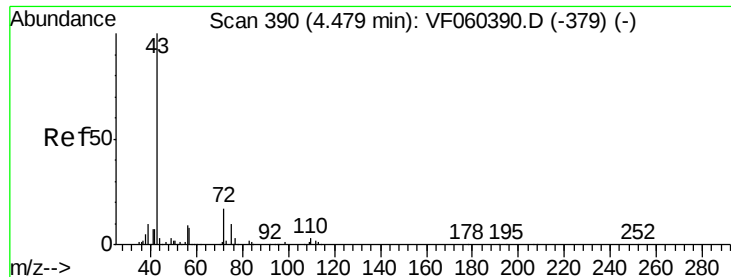
Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

100 2.3 1.4 4.2





#25

2-Butanone

Concen: 129.290 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 43 Resp: 146692

Ion Ratio Lower Upper

43 100

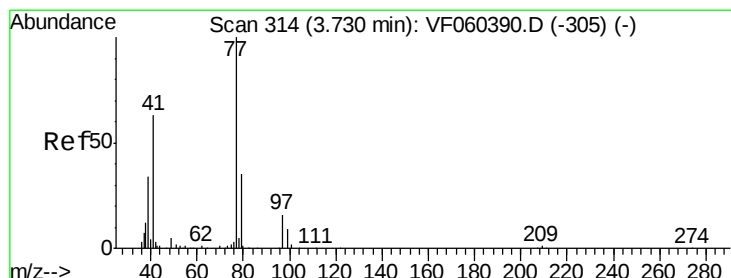
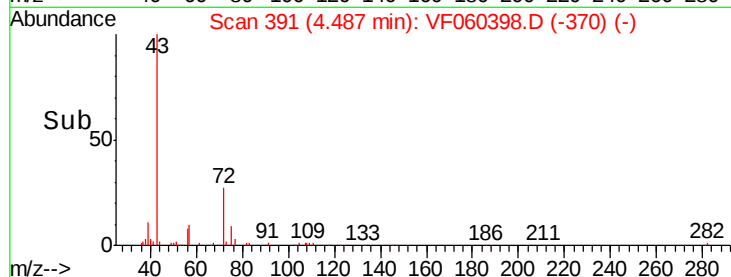
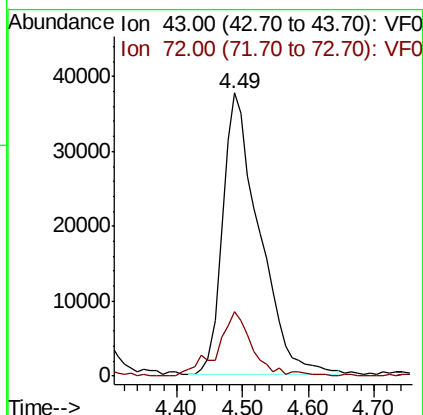
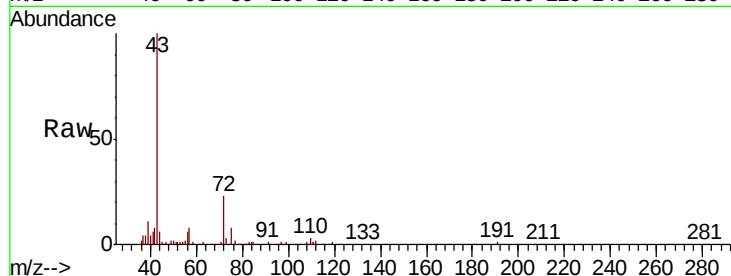
72 22.8 14.1 21.1#

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#26

2,2-Dichloropropane

Concen: 20.888 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060398.D

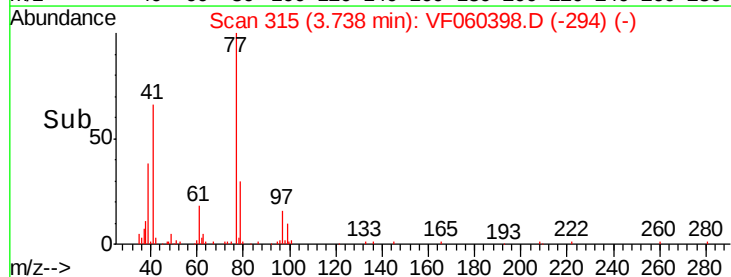
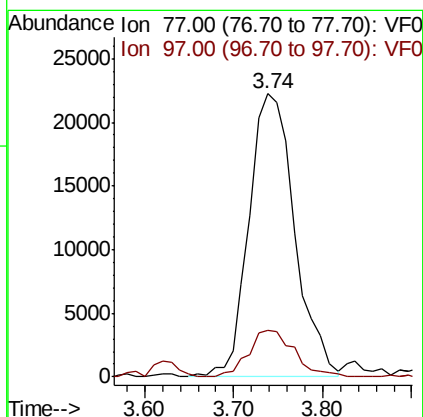
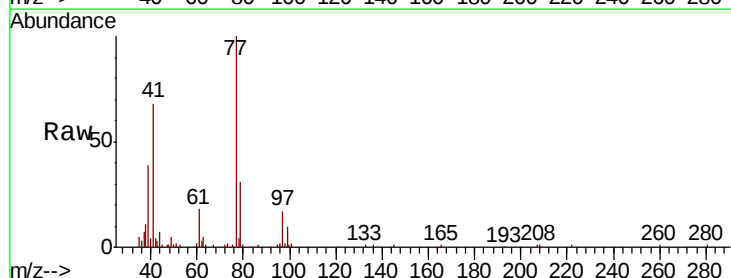
Acq: 2 Oct 2018 13:22

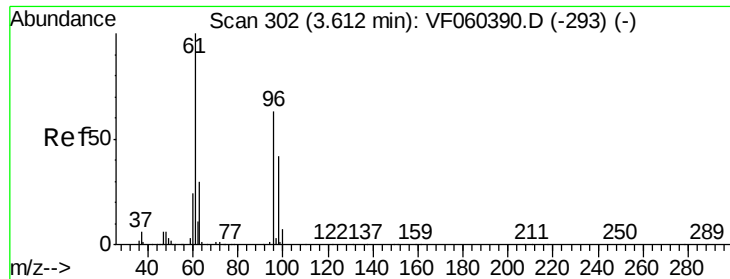
Tgt Ion: 77 Resp: 79036

Ion Ratio Lower Upper

77 100

97 16.6 8.3 25.1





#27

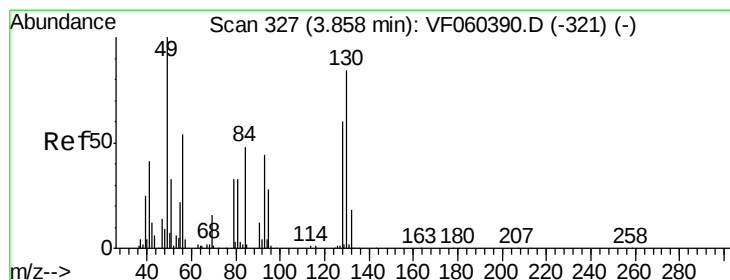
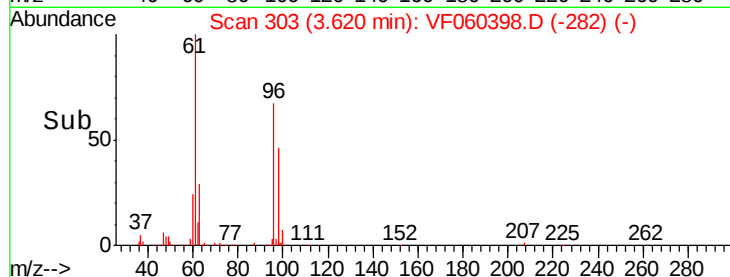
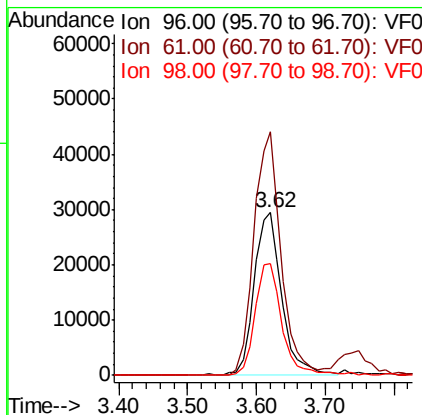
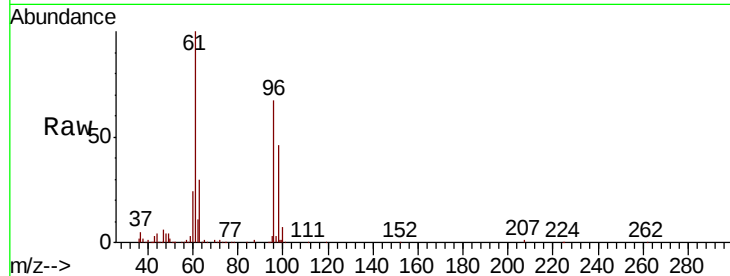
cis-1,2-Dichloroethene
Concen: 21.731 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	318.2
98	68.8	0.0	134.0

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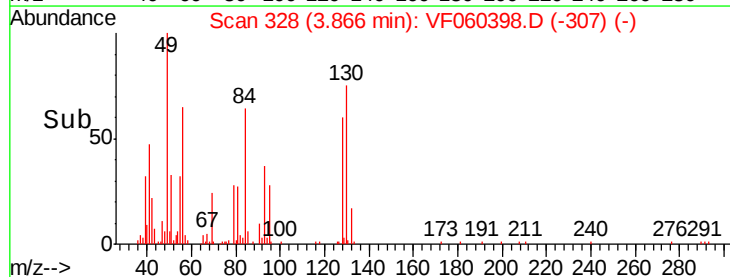
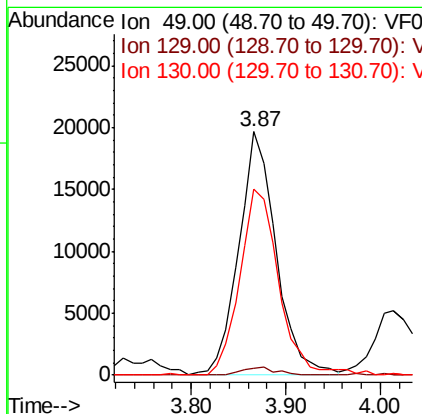
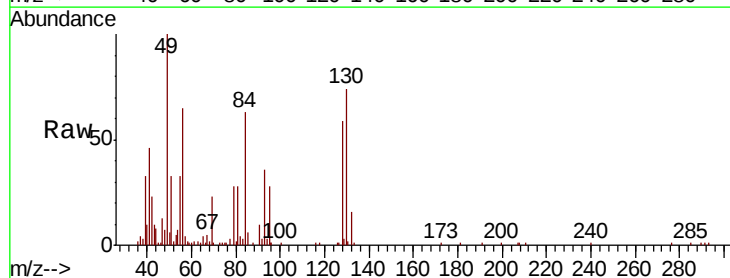
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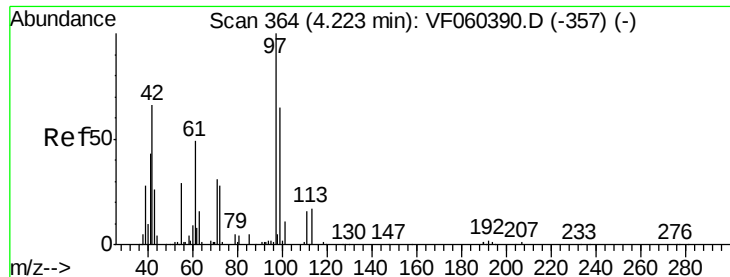


#28

Bromochloromethane
Concen: 21.858 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.6
130	76.4	67.3	100.9





#29

Tetrahydrofuran

Concen: 120.400 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

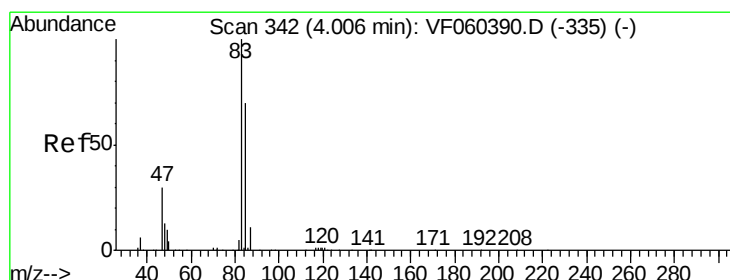
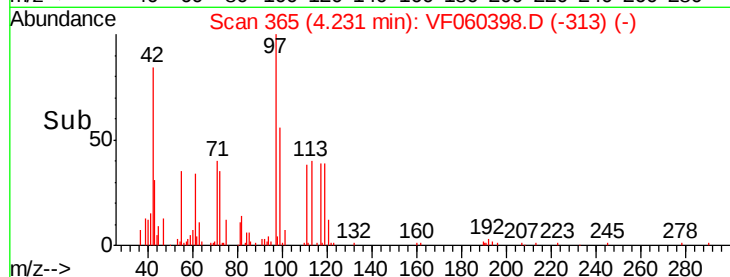
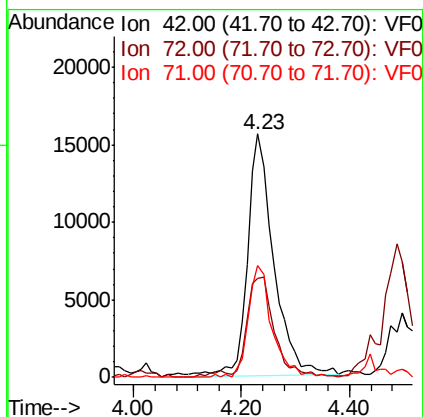
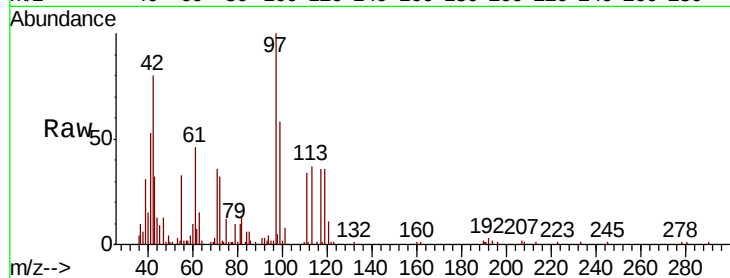
ClientSampleId :

VF1002SBS01

Tot Ion:	42	Resp:	52475
Ion Ratio	Lower	Upper	
42	100		
72	42.8	33.6	50.4
71	42.1	32.7	49.1

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#30

Chloroform

Concen: 21.057 ug/l

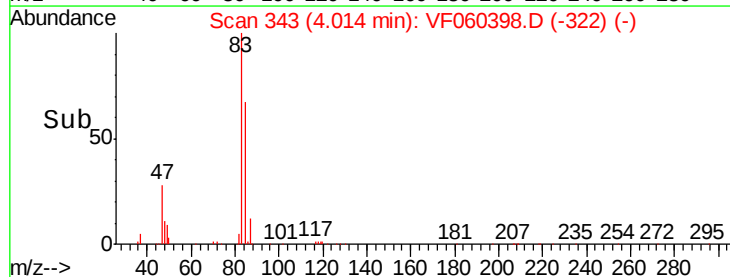
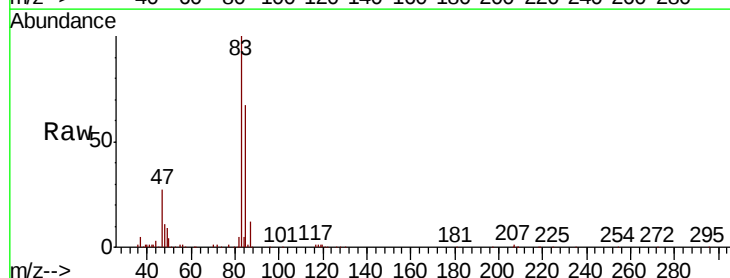
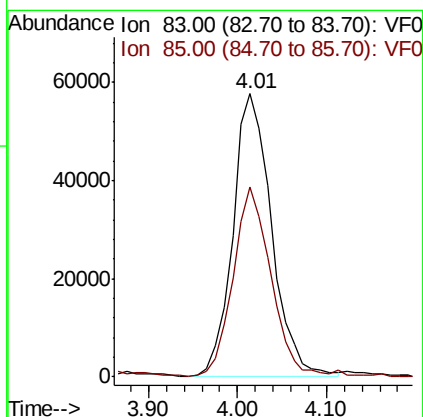
RT: 4.01 min Scan# 343

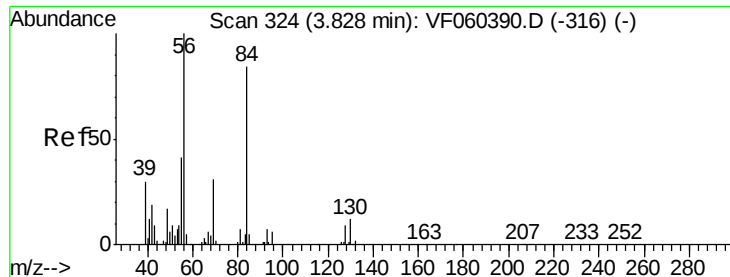
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	83	Resp:	173585
Ion Ratio	Lower	Upper	
83	100		
85	67.1	55.9	83.9





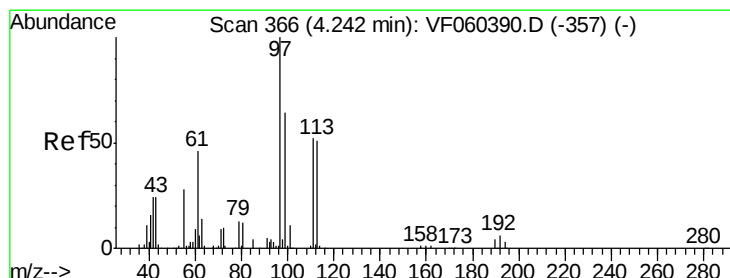
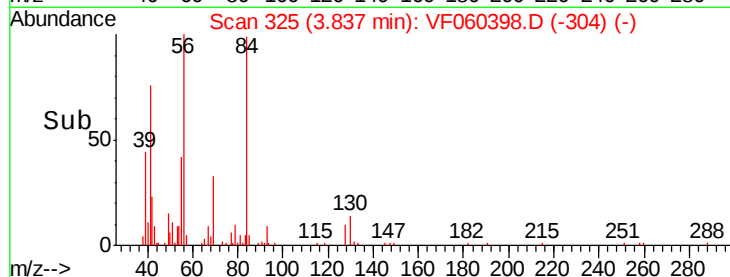
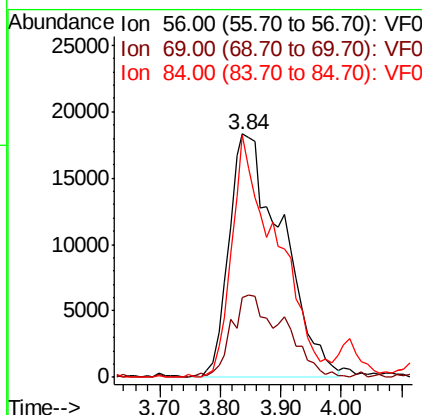
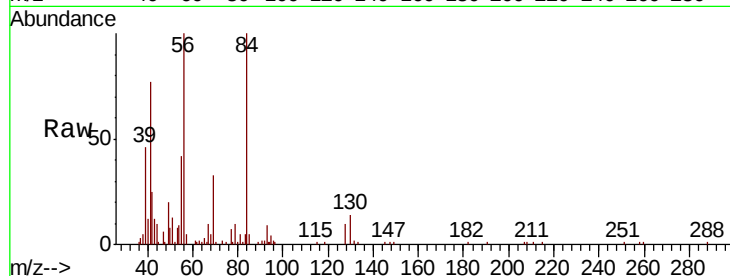
#31
Cyclohexane
Concen: 23.226 ug/l
RT: 3.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.5	38.3
84	99.8	67.4	101.0

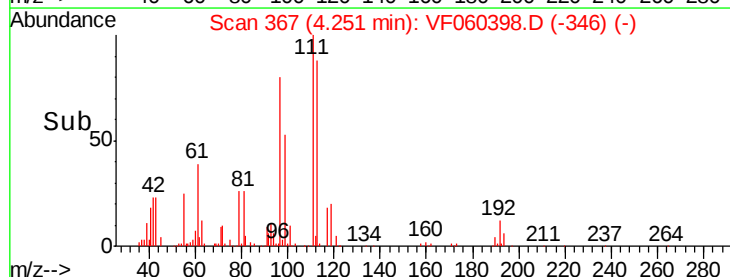
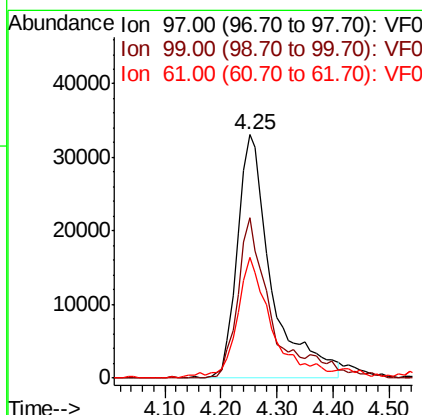
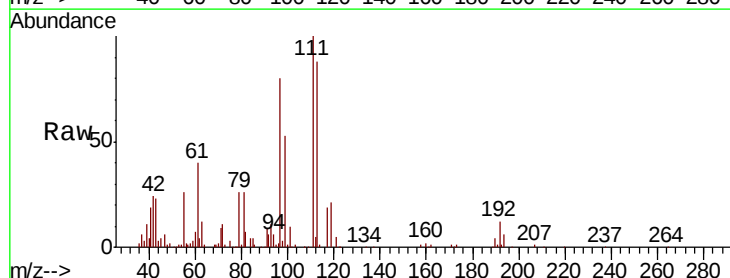
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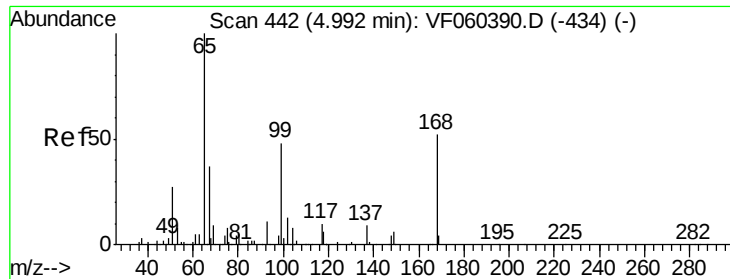
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#32
1,1,1-Trichloroethane
Concen: 20.361 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.0	76.4
61	49.7	37.5	56.3





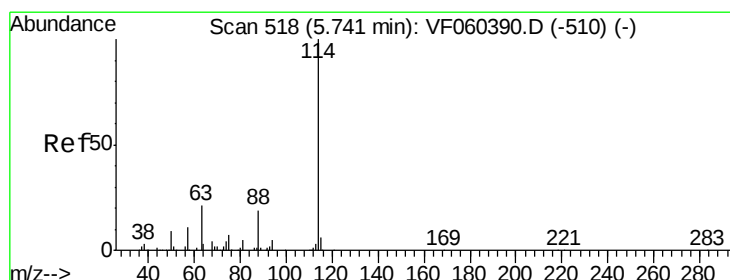
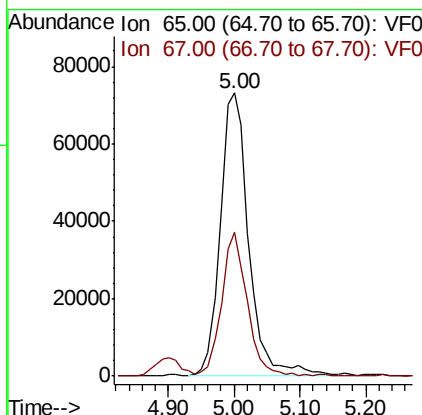
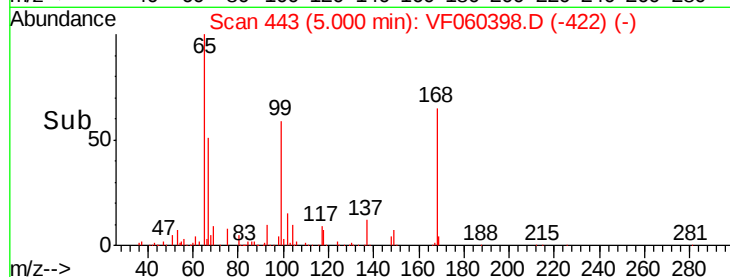
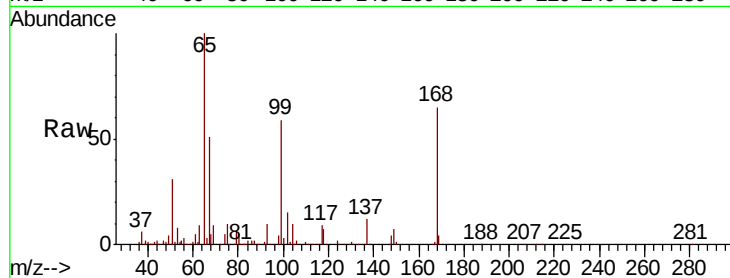
#33
 1,2-Dichloroethane-d4
 Concen: 50.042 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219274		
67	50.9	0.0	89.4	

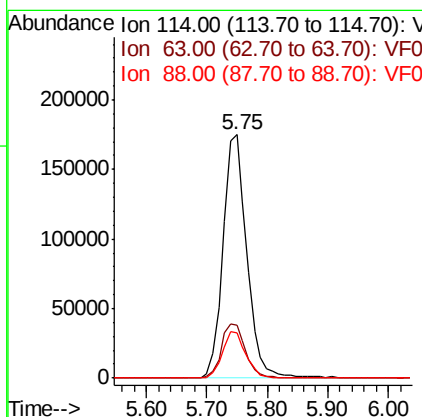
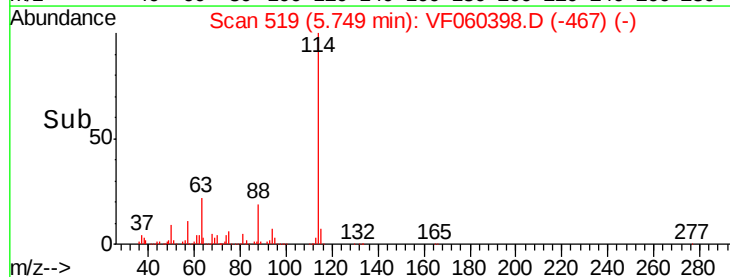
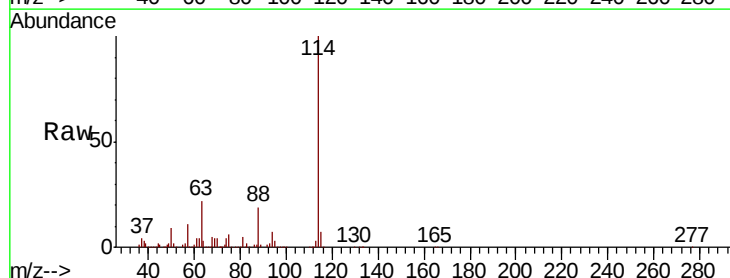
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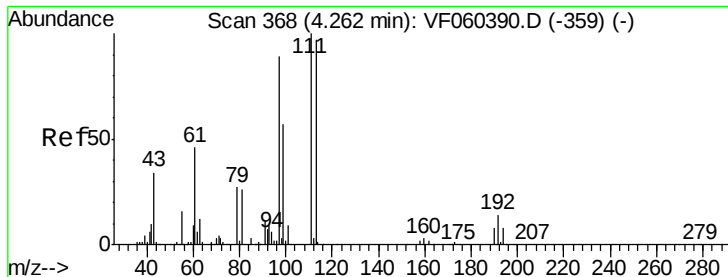
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478823		
63	21.6	0.0	42.2	
88	18.6	0.0	38.8	





#35

Dibromofluoromethane

Concen: 45.597 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

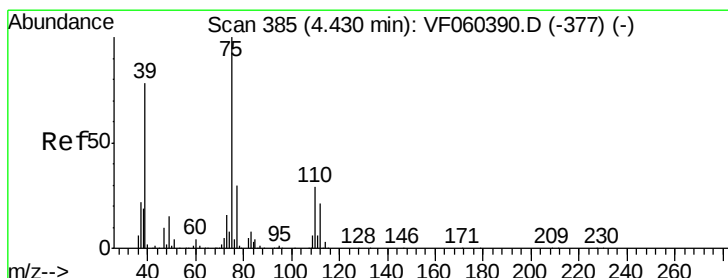
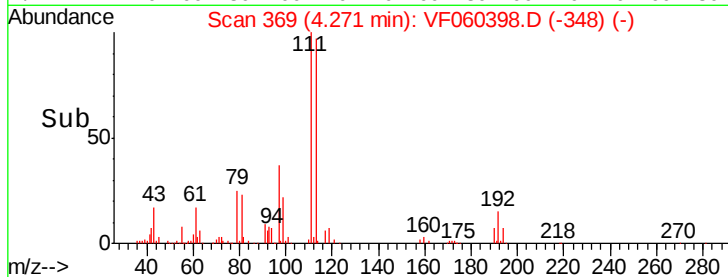
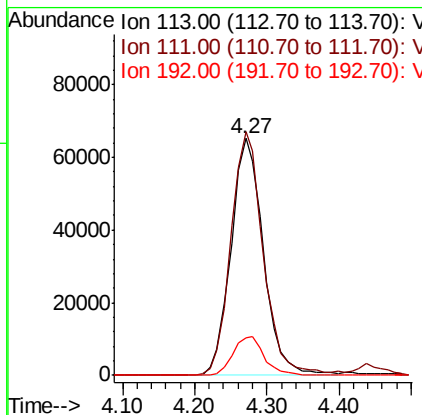
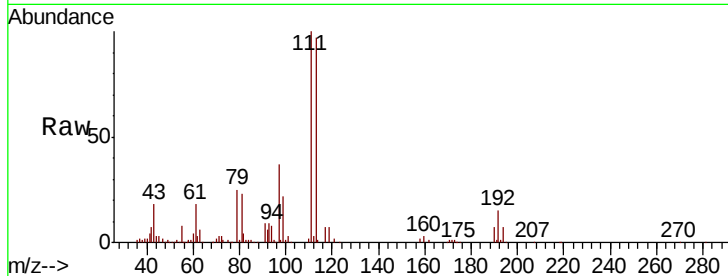
ClientSampleId :

VF1002SBS01

Tot Ion:	113	Resp:	205107
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.3	123.5
192	15.8	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.767 ug/l

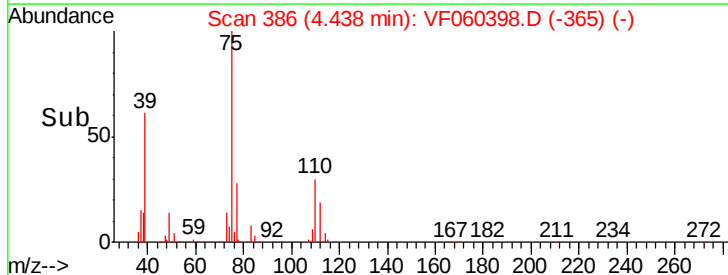
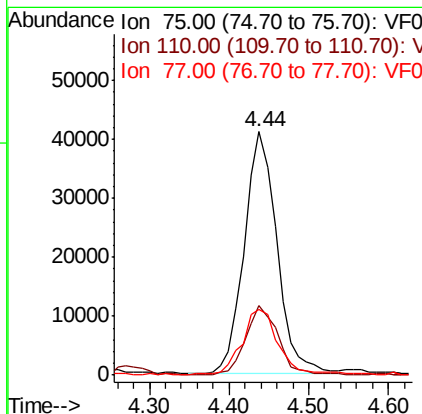
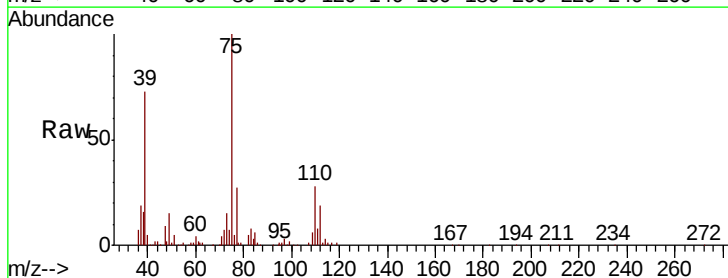
RT: 4.44 min Scan# 386

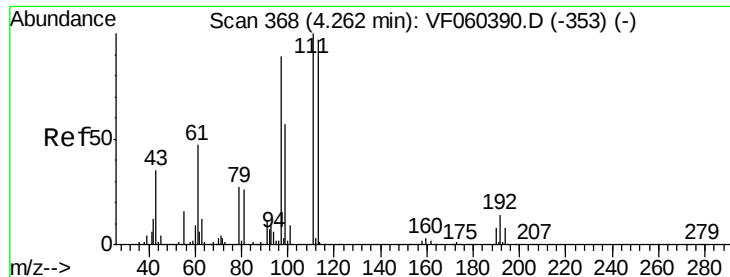
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	75	Resp:	116694
Ion Ratio	Lower	Upper	
75	100		
110	28.5	14.5	43.6
77	26.8	24.3	36.5





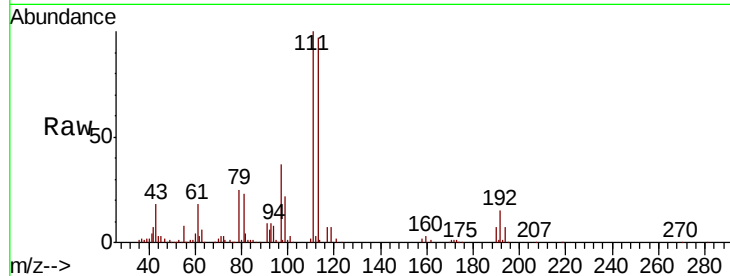
#37
Ethyl Acetate
Concen: 22.541 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	43	61	70
Resp	50958		
Ratio	100	97.2	9.9
Lower		105.1	8.0
Upper		157.7#	12.0

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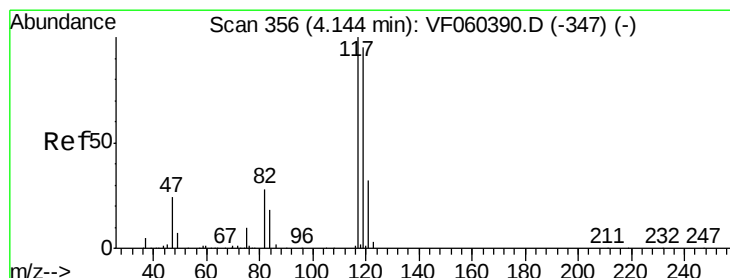
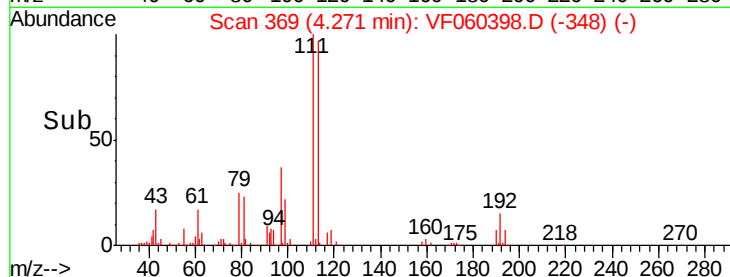
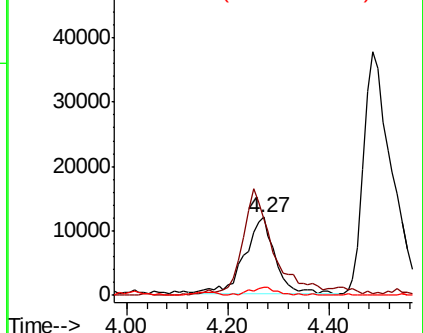


Abundance

Ion 43.00 (42.70 to 43.70): VF0

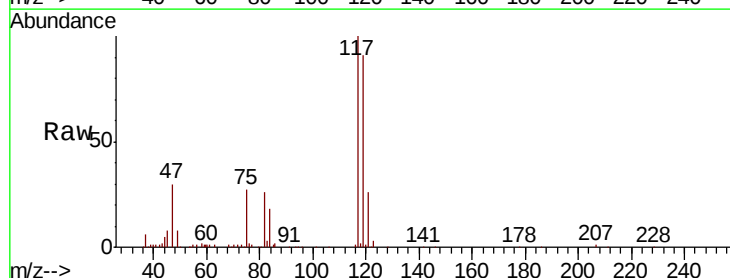
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 18.960 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	117	119	121
Resp	136245		
Ratio	100	90.7	25.6
Lower		75.5	25.4
Upper		113.3	38.0

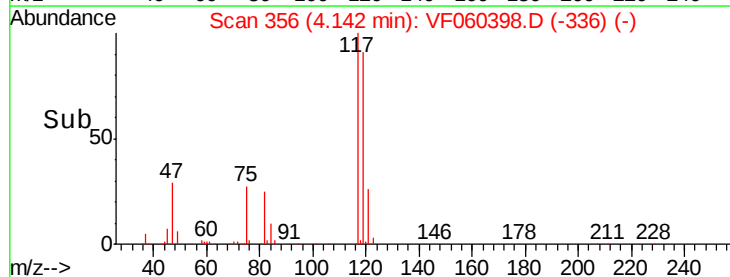
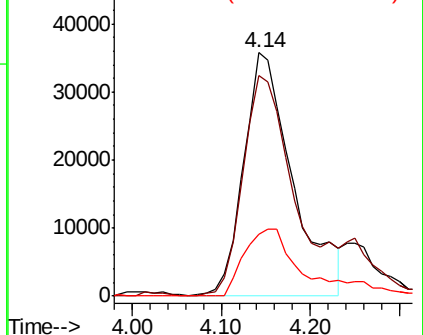


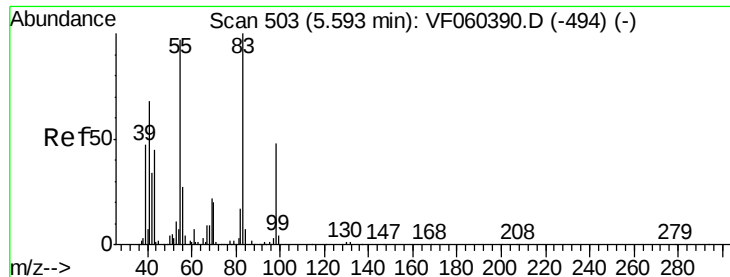
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





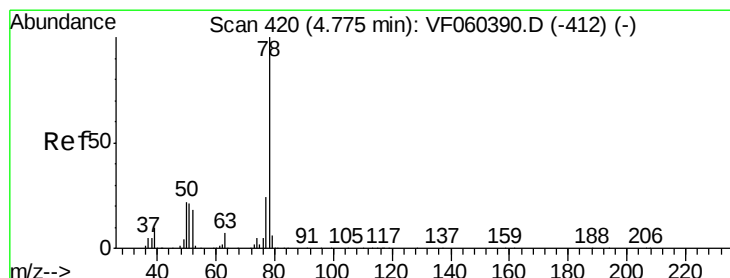
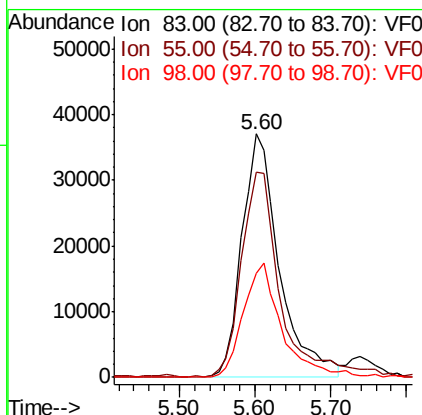
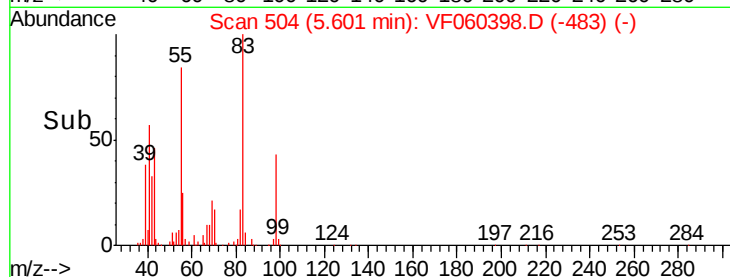
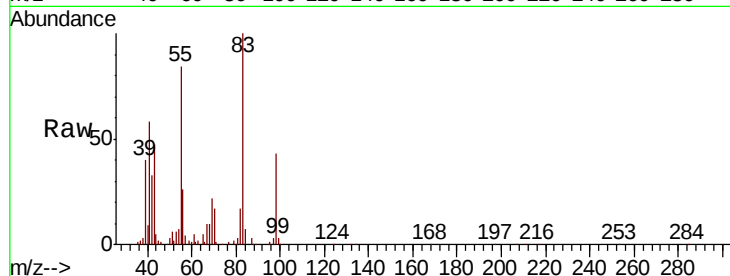
#39
Methylcyclohexane
Concen: 22.069 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	77.5	116.3
98	42.5	38.7	58.1

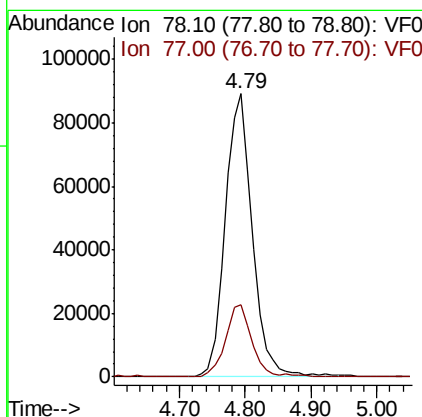
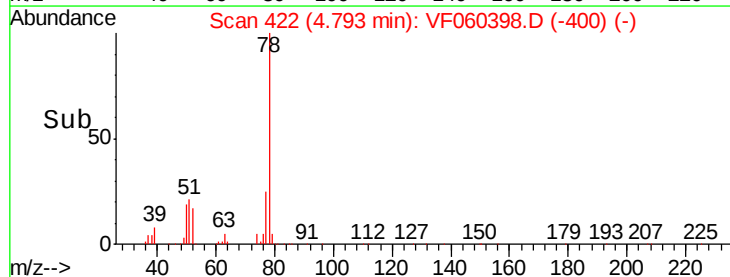
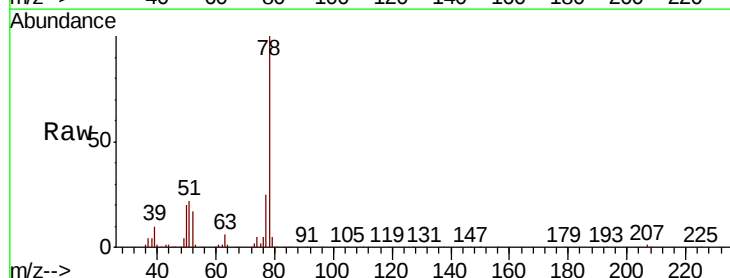
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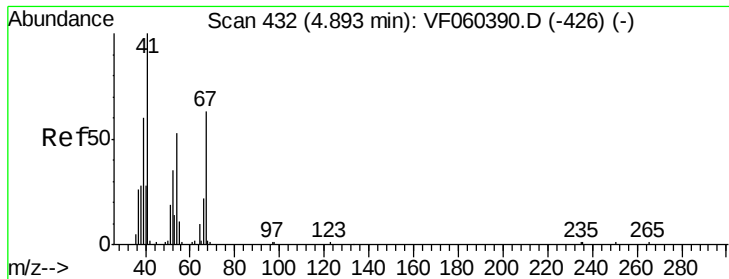
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#40
Benzene
Concen: 21.957 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.02 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.2	28.8





#41

Methacrylonitrile

Concen: 21.459 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

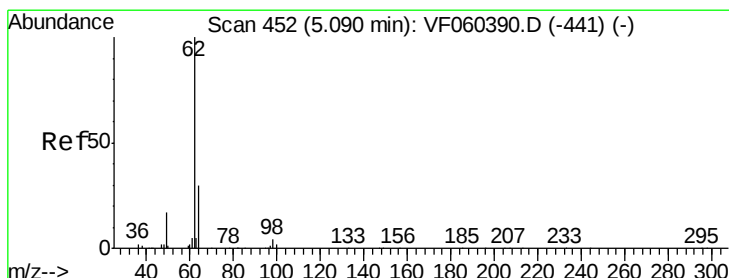
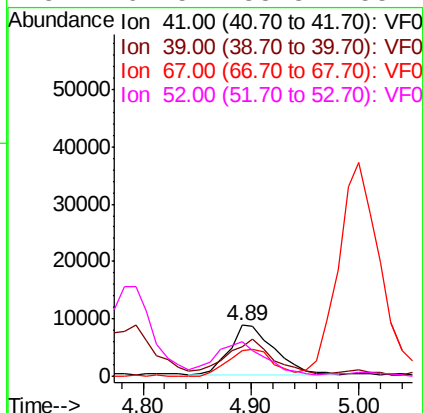
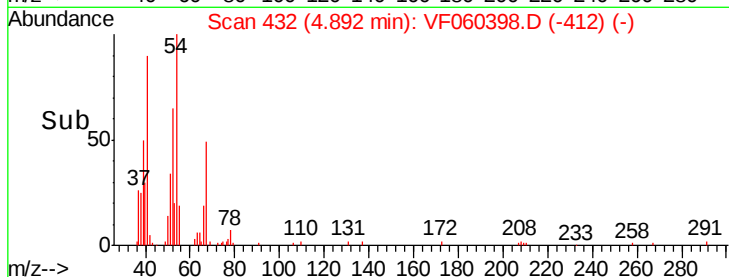
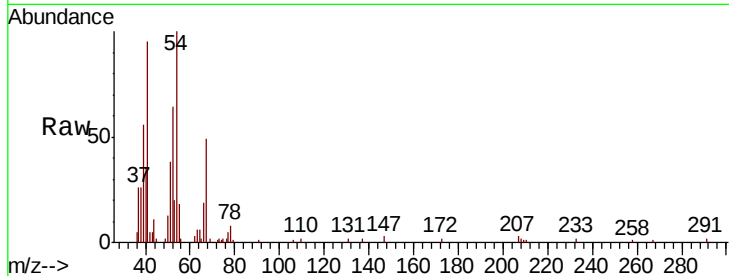
ClientSampleId :

VF1002SBS01

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Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	55.0	82.4
67	51.1	49.6	74.4
52	67.5	38.8	58.2#



#42

1,2-Dichloroethane

Concen: 19.629 ug/l

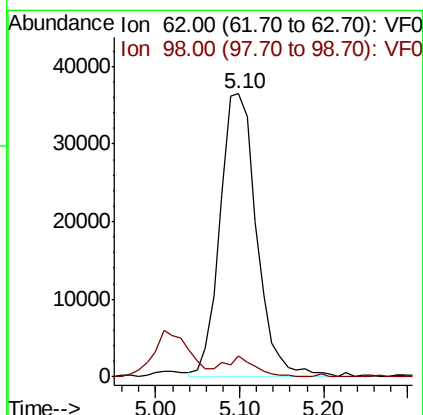
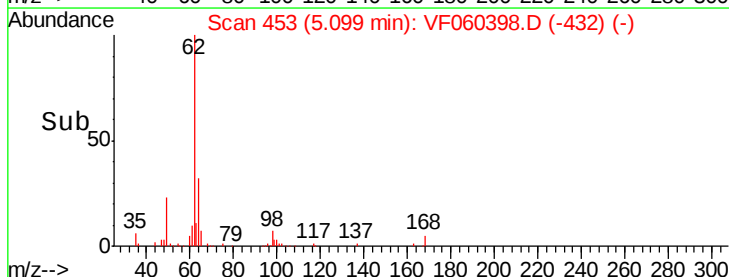
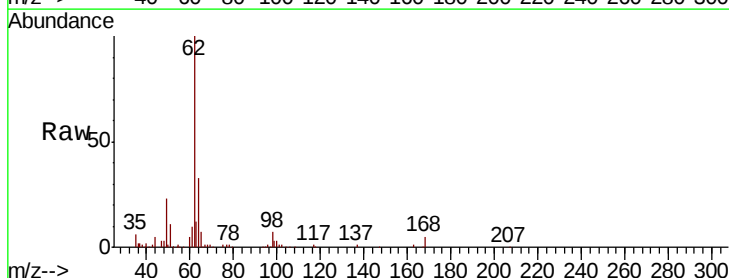
RT: 5.10 min Scan# 453

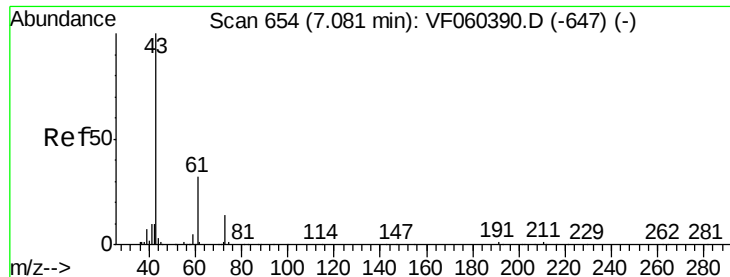
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	11.2





#43

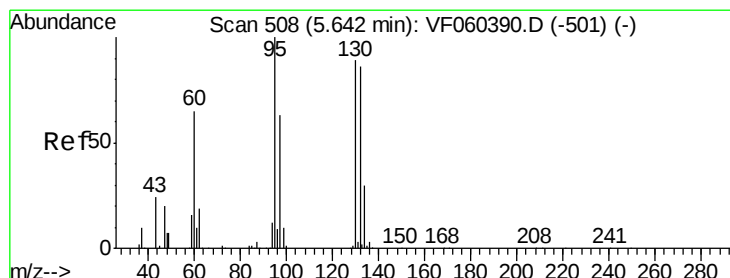
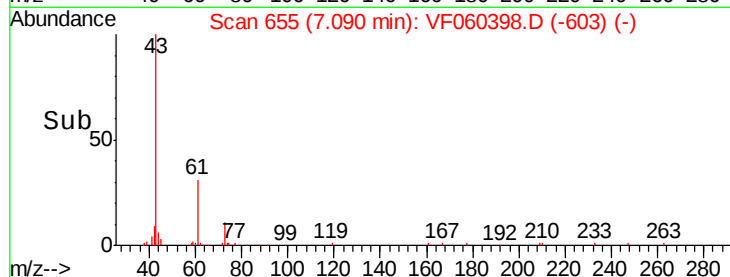
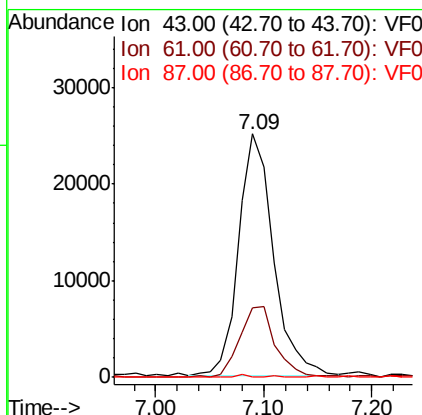
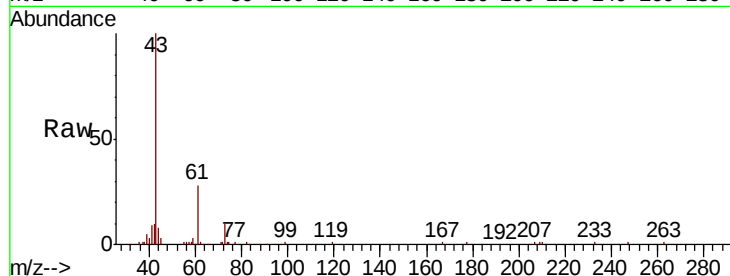
Isopropyl Acetate
 Concen: 20.521 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	25.4	38.2
87	0.0	0.3	0.5

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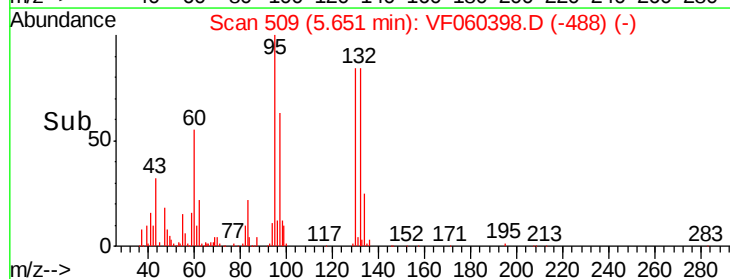
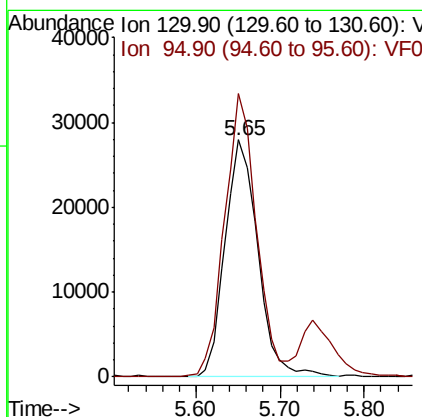
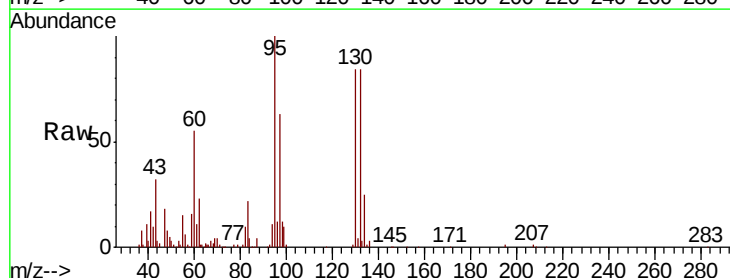
apatel
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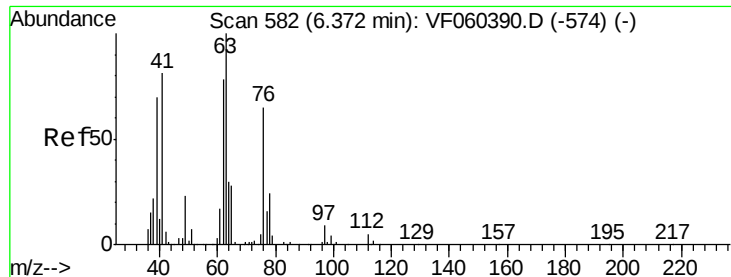


#44

Trichloroethene
 Concen: 20.229 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.3	0.0	224.4





#45

1,2-Dichloropropane

Concen: 20.004 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 63 Resp: 62432

Ion Ratio Lower Upper

63 100

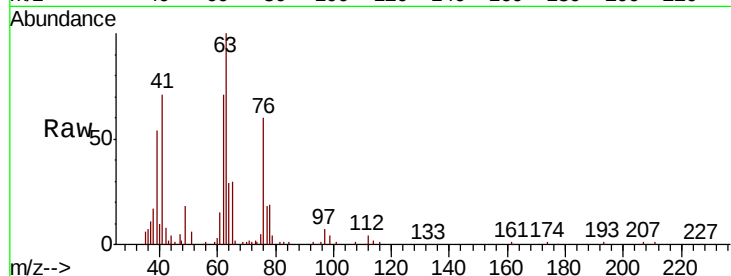
65 29.9 22.7 34.1

Manual Integrations

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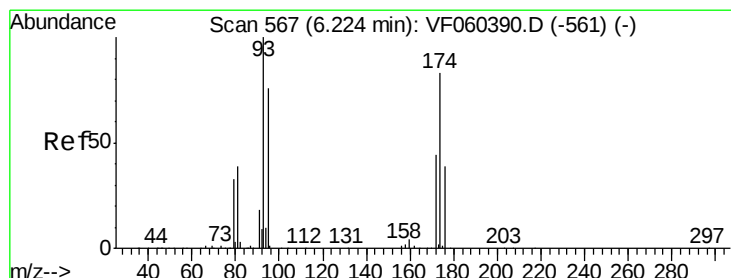
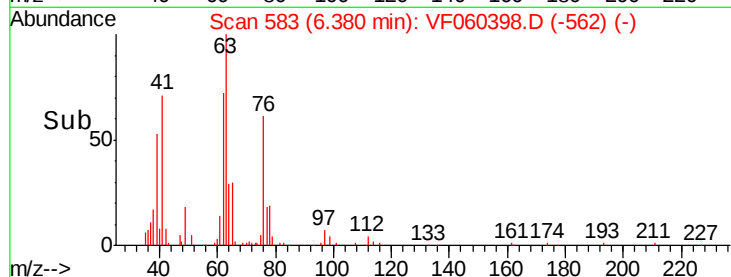
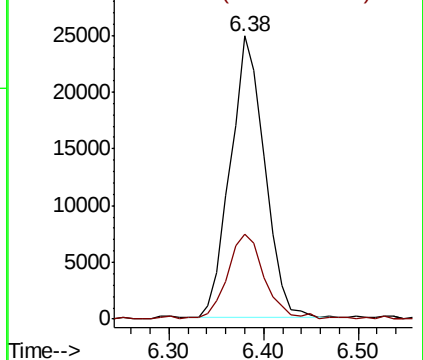
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.138 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

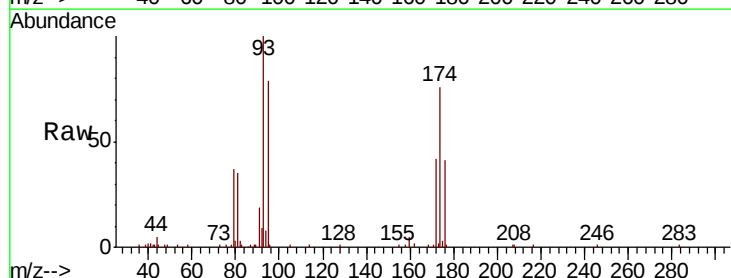
Tgt Ion: 93 Resp: 53042

Ion Ratio Lower Upper

93 100

95 79.5 61.1 91.7

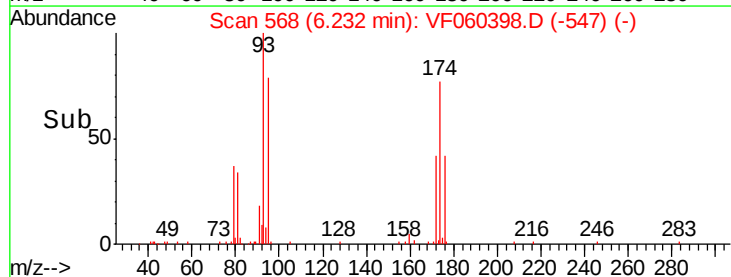
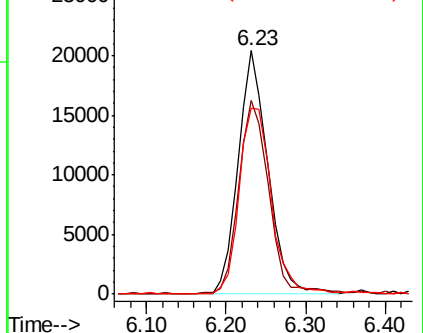
174 76.3 66.7 100.1

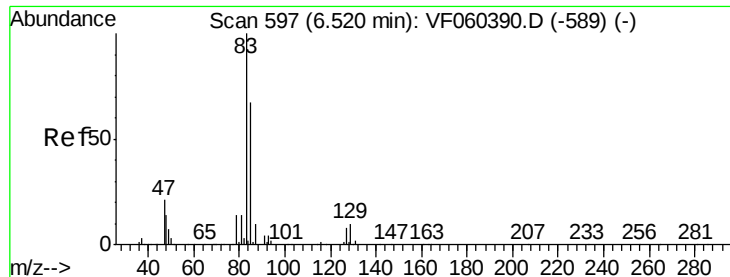


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.780 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

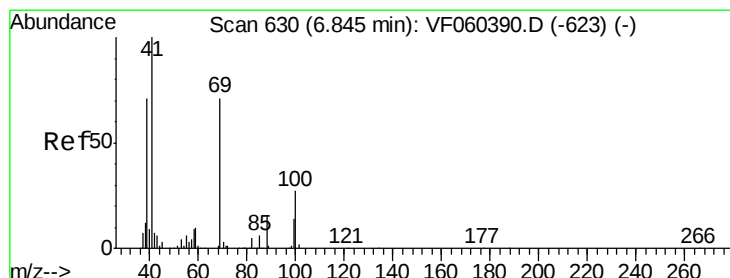
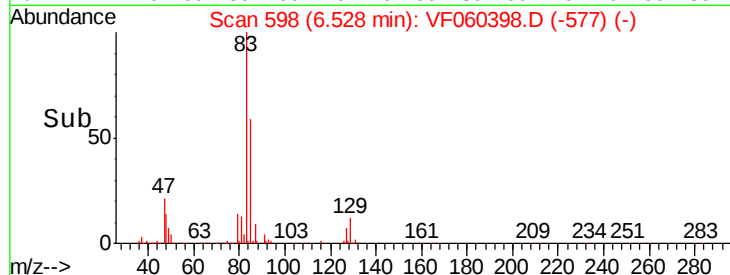
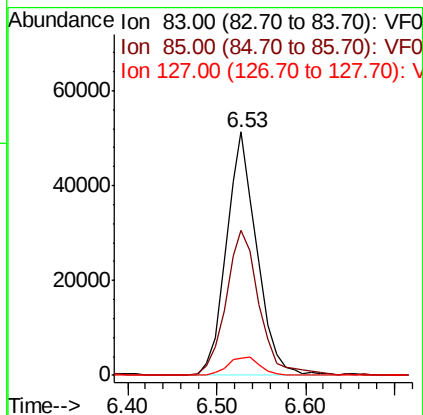
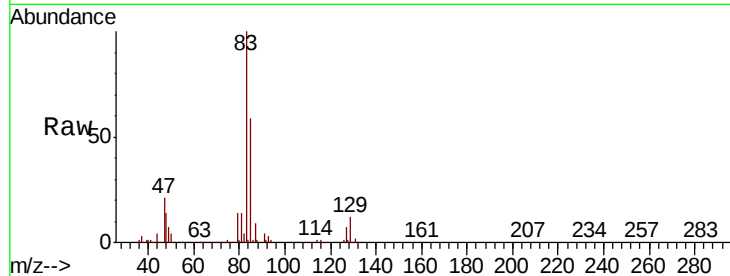
ClientSampleId :

VF1002SBS01

Tot Ion:	83	Resp:	122930
Ion	Ratio	Lower	Upper
83	100		
85	59.4	53.2	79.8
127	7.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.270 ug/l

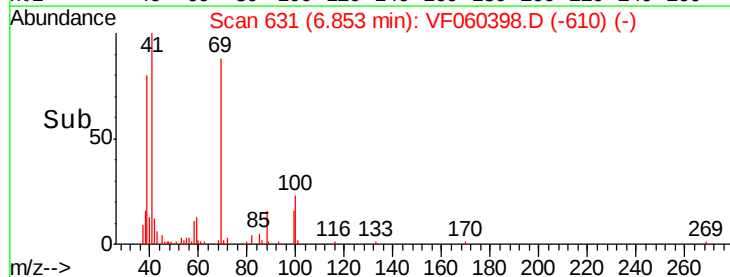
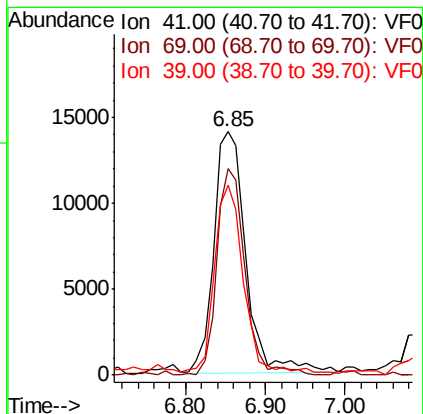
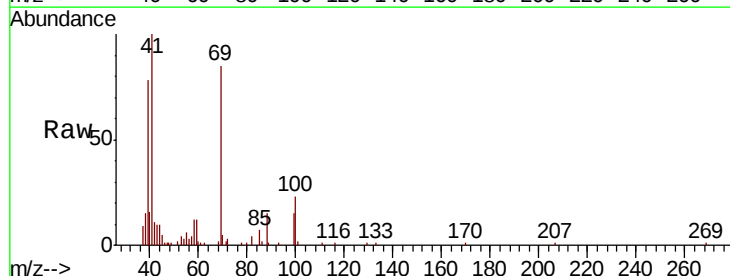
RT: 6.85 min Scan# 631

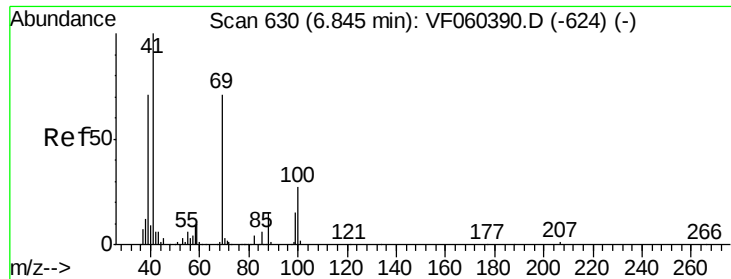
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	41	Resp:	39752
Ion	Ratio	Lower	Upper
41	100		
69	84.8	56.3	84.5#
39	77.8	56.9	85.3





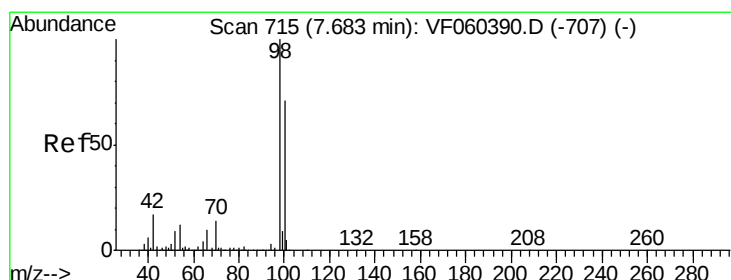
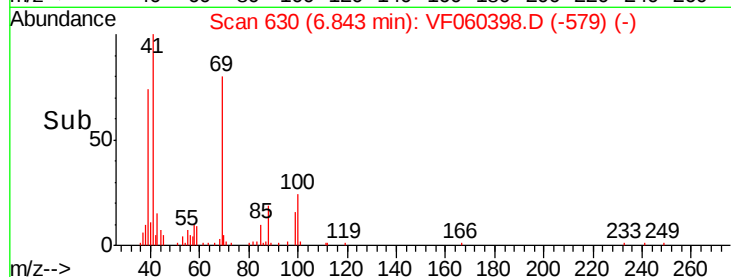
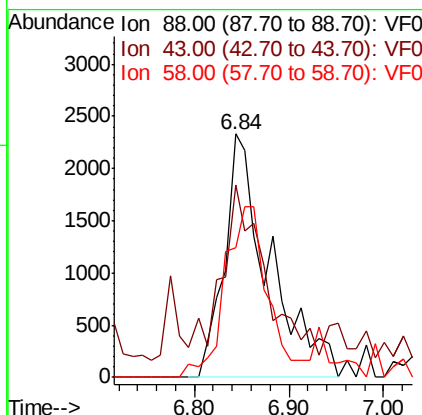
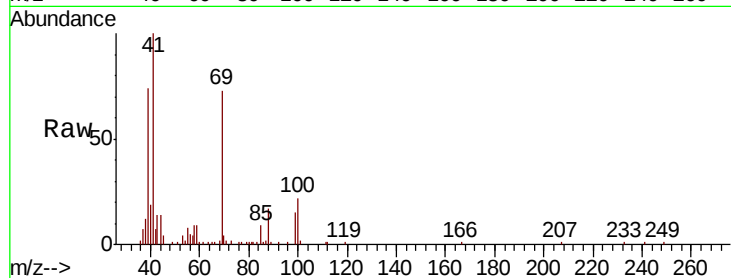
#49
 1,4-Dioxane
 Concen: 454.784 ug/l
 RT: 6.84 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	79.0	38.3	57.5#
58	53.5	47.4	71.2

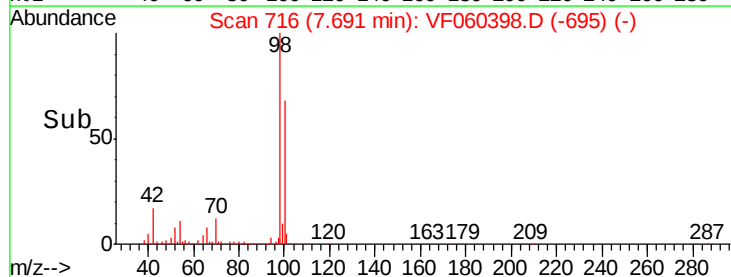
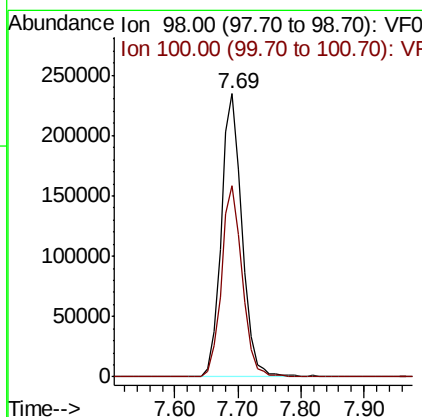
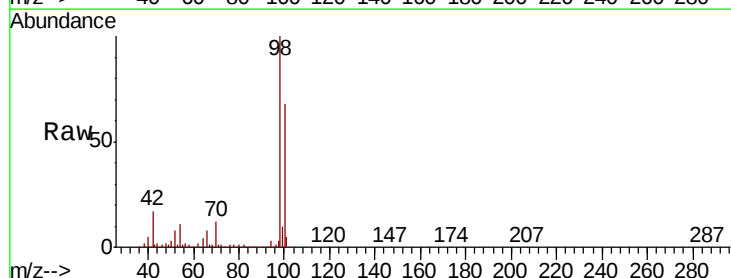
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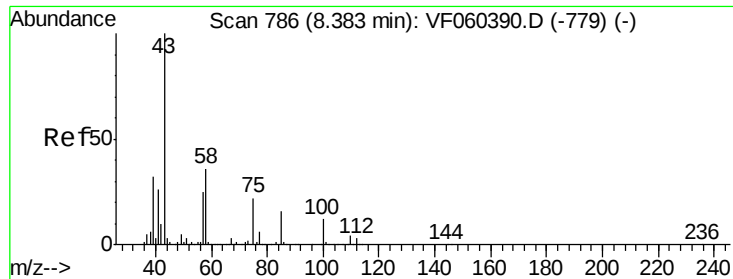
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#50
 Toluene-d8
 Concen: 48.733 ug/l
 RT: 7.69 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 112.941 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 43 Resp: 219643

Ion Ratio Lower Upper

43 100

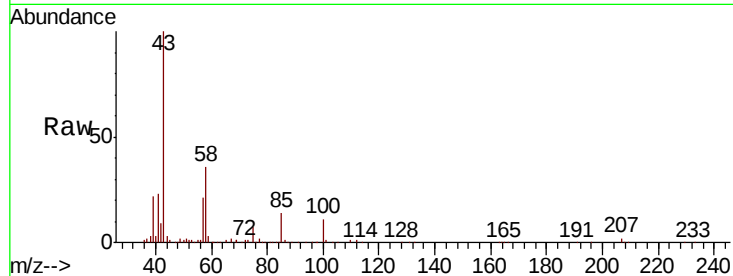
58 36.1 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

100000

80000

60000

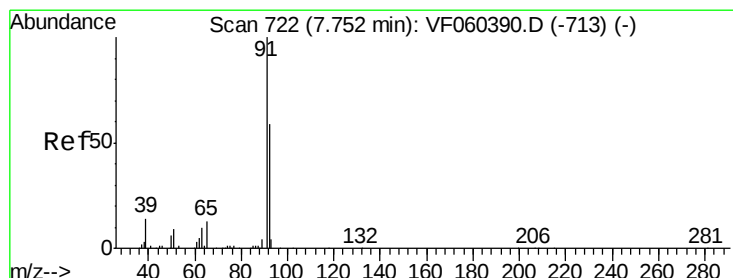
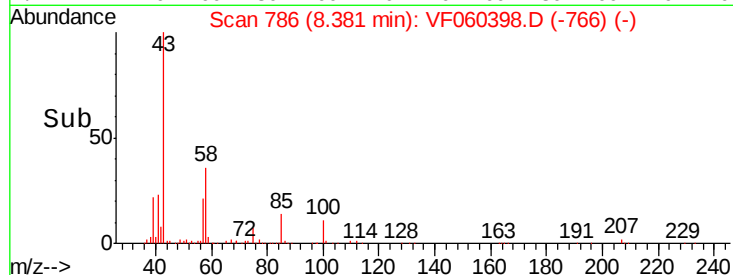
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 19.902 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060398.D

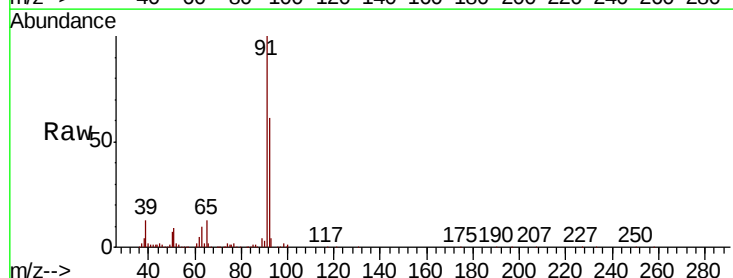
Acq: 2 Oct 2018 13:22

Tgt Ion: 92 Resp: 158423

Ion Ratio Lower Upper

92 100

91 163.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

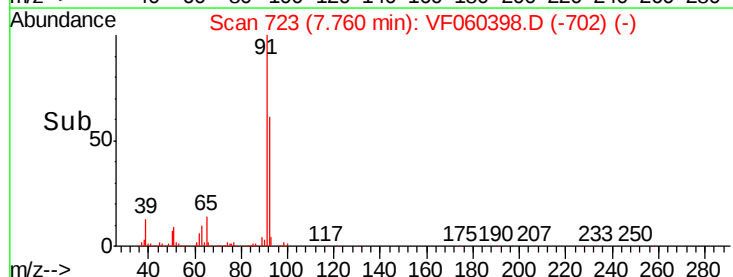
100000

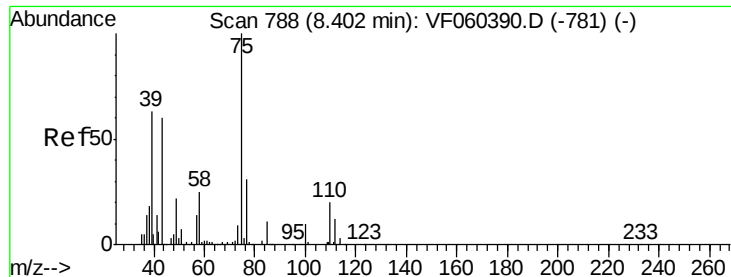
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.041 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 75 Resp: 97607

Ion Ratio Lower Upper

75 100

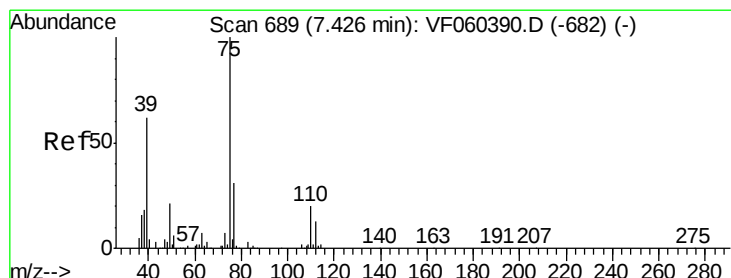
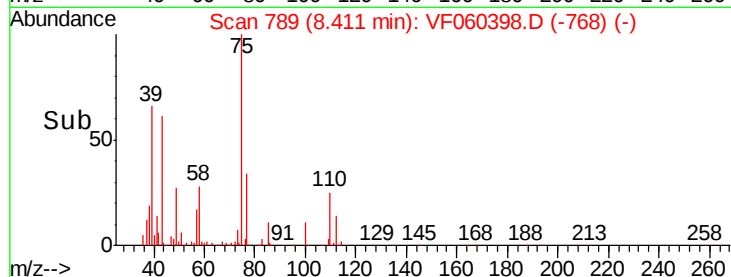
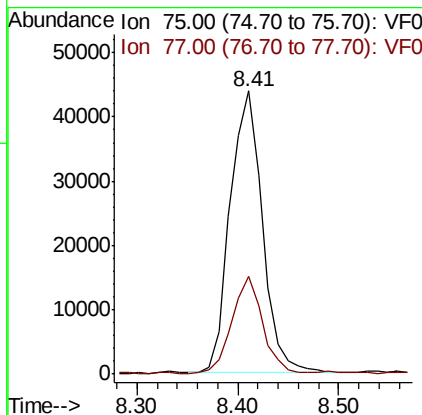
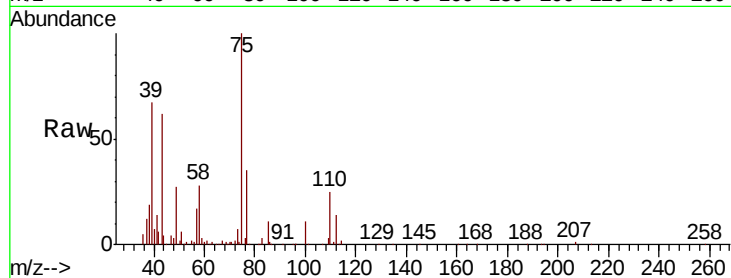
77 34.5 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.277 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

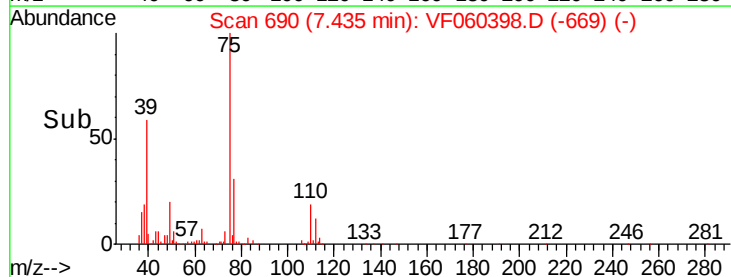
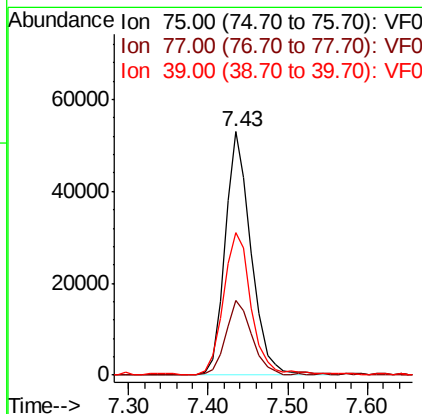
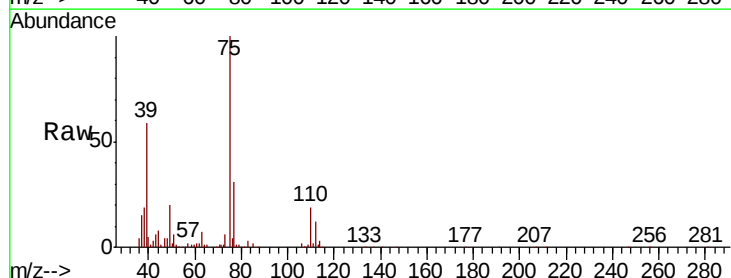
Tgt Ion: 75 Resp: 121115

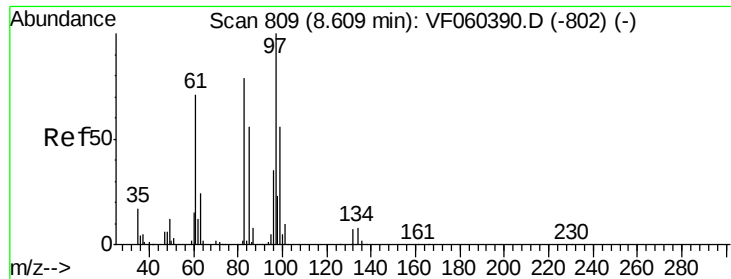
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 58.5 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 20.406 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

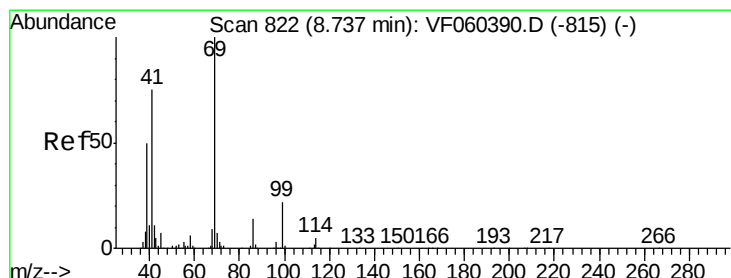
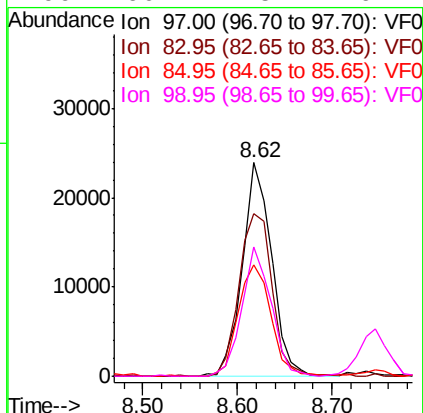
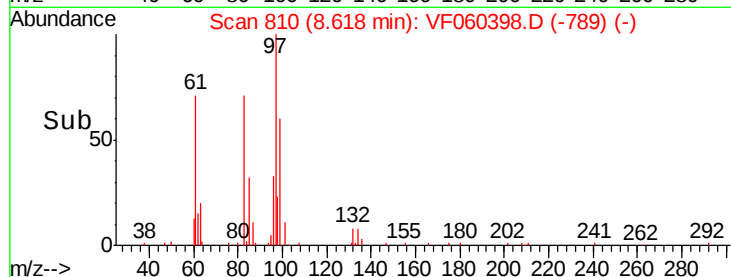
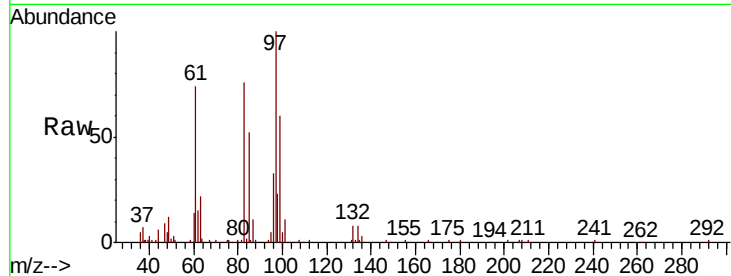
ClientSampleId :

VF1002SBS01

Tot Ion:	97	Resp:	51488
Ion	Ratio	Lower	Upper
97	100		
83	76.4	63.4	95.0
85	52.3	44.5	66.7
99	60.4	45.1	67.7

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#56

Ethyl methacrylate

Concen: 20.281 ug/l

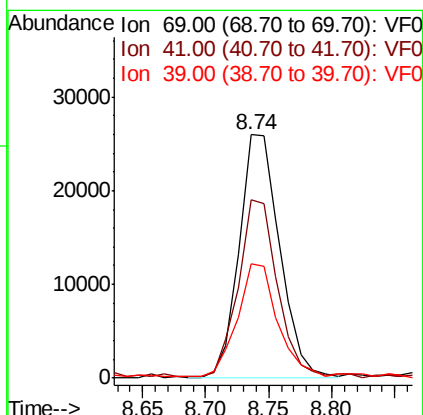
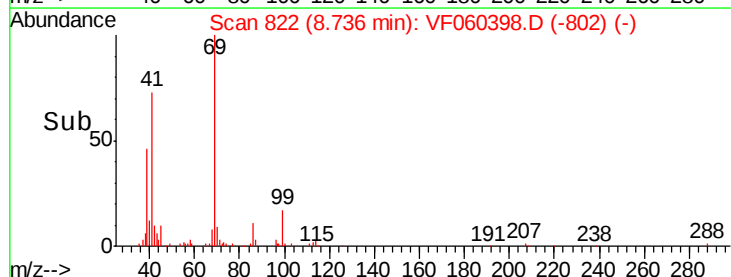
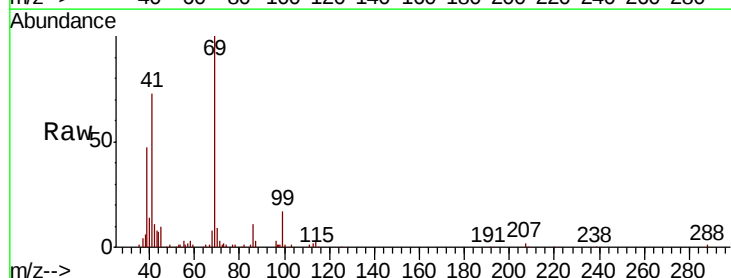
RT: 8.74 min Scan# 822

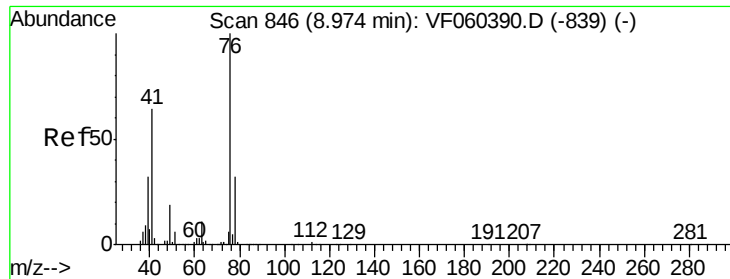
Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	69	Resp:	58147
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.2	90.4
39	46.9	40.2	60.2





#57

1,3-Dichloropropane

Concen: 20.200 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 76 Resp: 86224

Ion Ratio Lower Upper

76 100

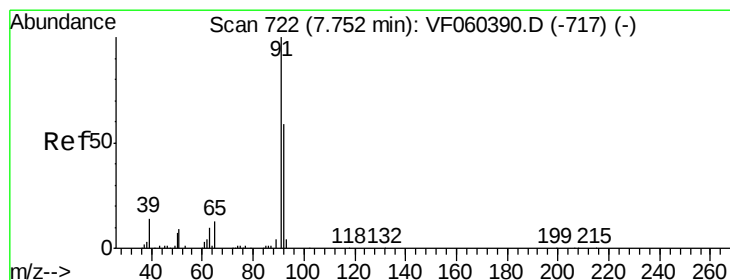
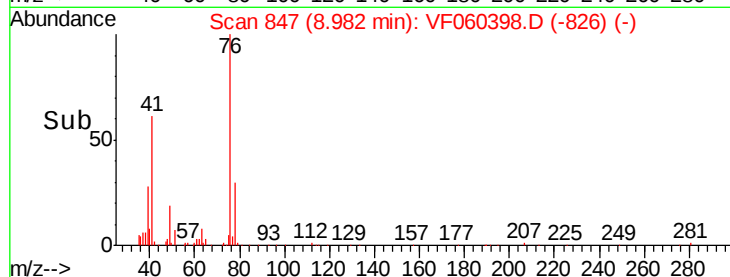
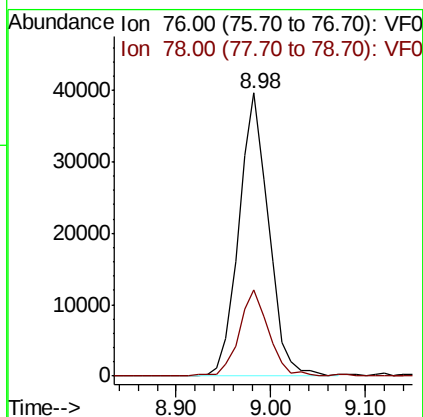
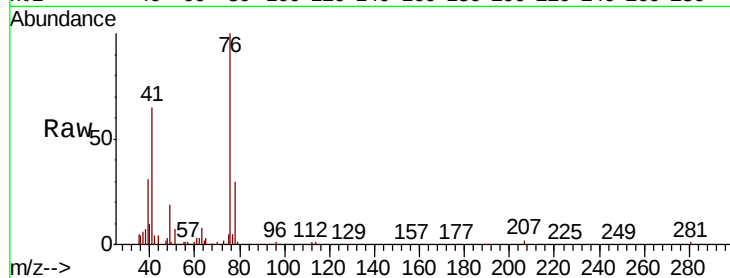
78 30.3 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 92.828 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060398.D

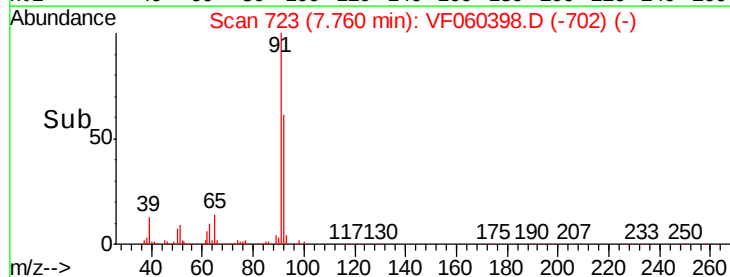
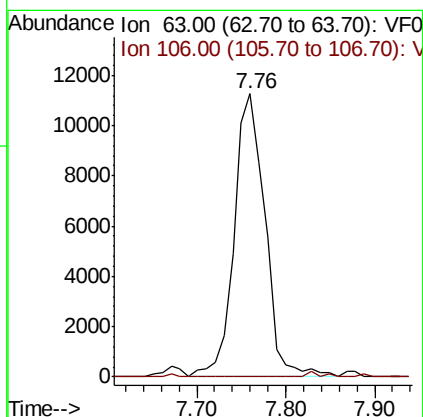
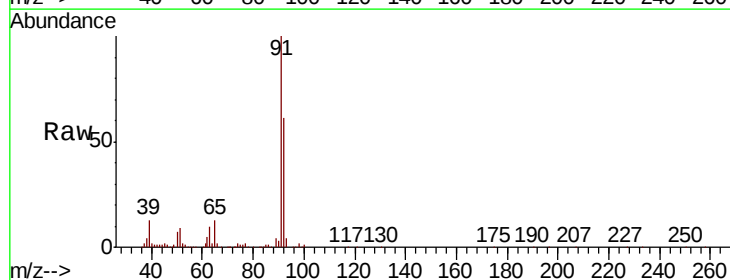
Acq: 2 Oct 2018 13:22

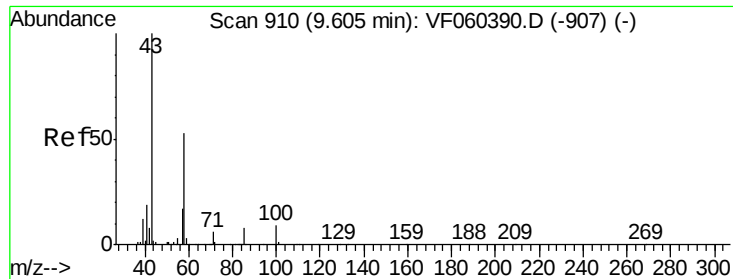
Tgt Ion: 63 Resp: 27186

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





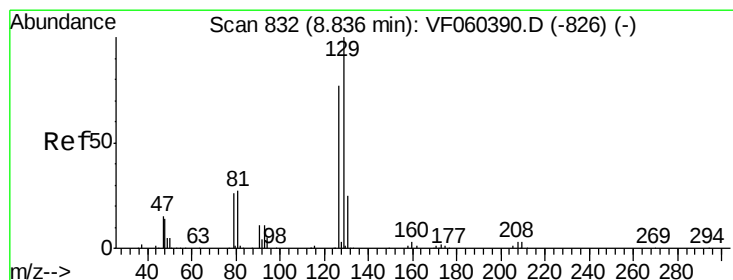
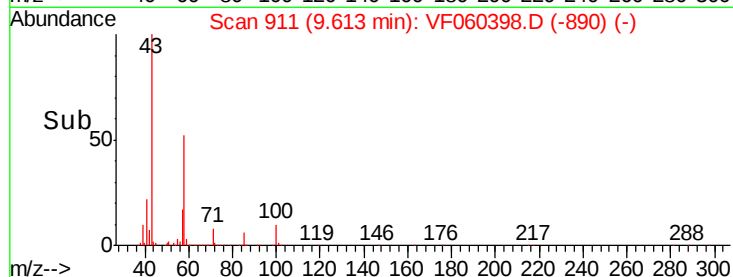
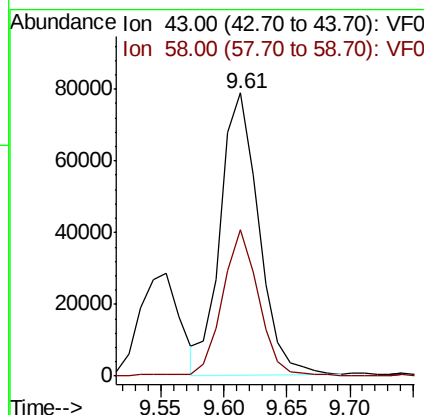
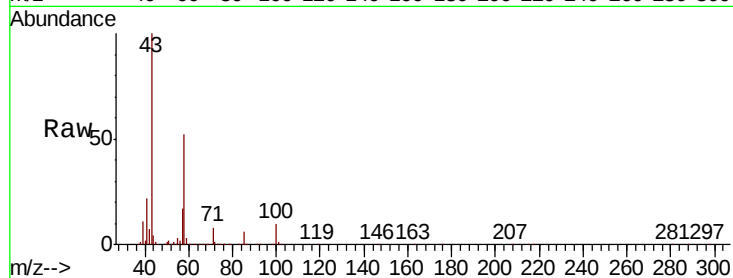
#59
2-Hexanone
Concen: 115.544 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion: 43 Resp: 164818
Ion Ratio Lower Upper
43 100
58 51.9 25.6 76.6

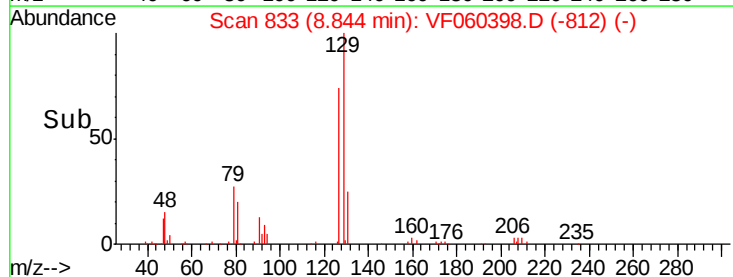
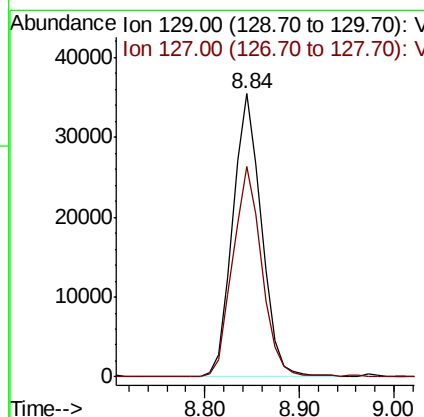
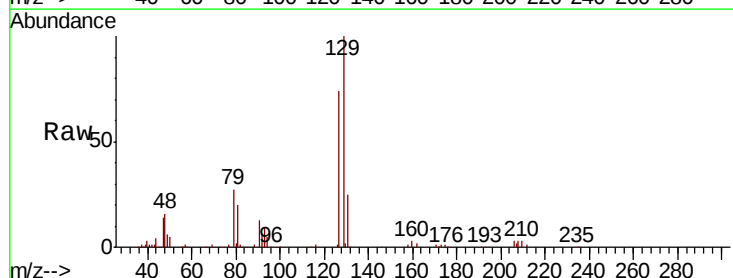
Manual Integrations
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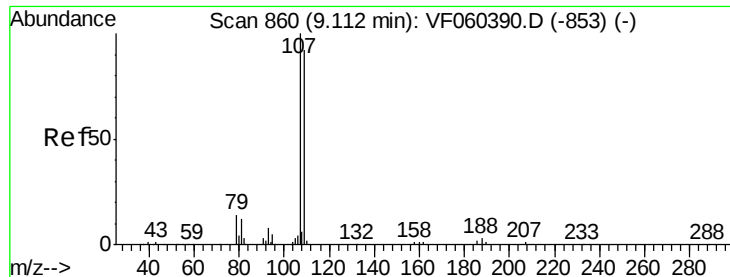
apatel
10/3/2018 1:02:03 PM



#60
Dibromochloromethane
Concen: 19.650 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion: 129 Resp: 74651
Ion Ratio Lower Upper
129 100
127 72.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.707 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 107 Resp: 59930

Ion Ratio Lower Upper

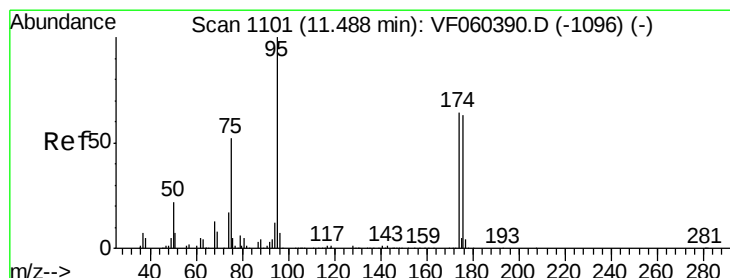
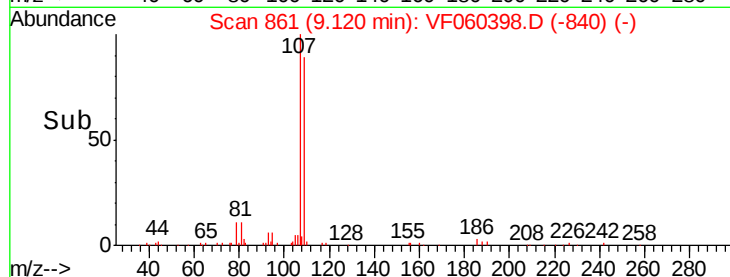
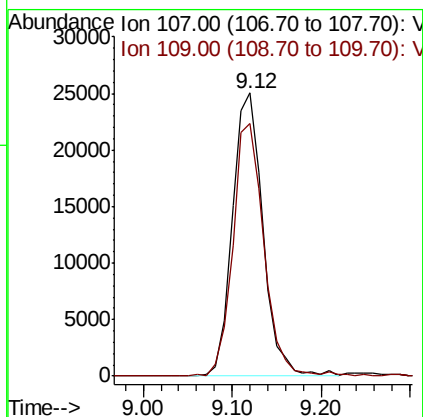
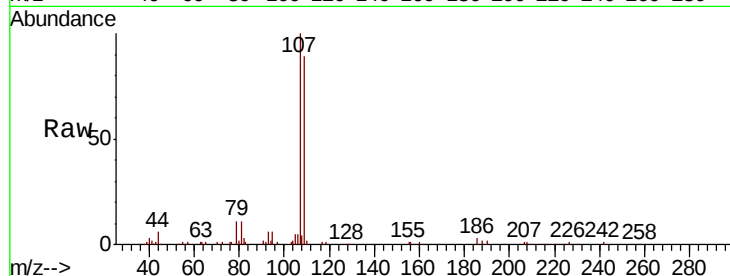
107 100

109 89.1 73.7 110.5

Manual Integrations
APPROVED

apatel

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#62

4-Bromofluorobenzene

Concen: 46.618 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

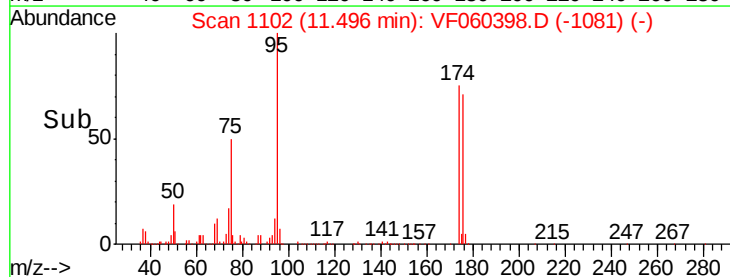
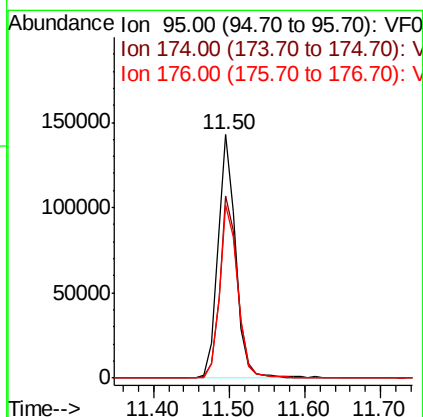
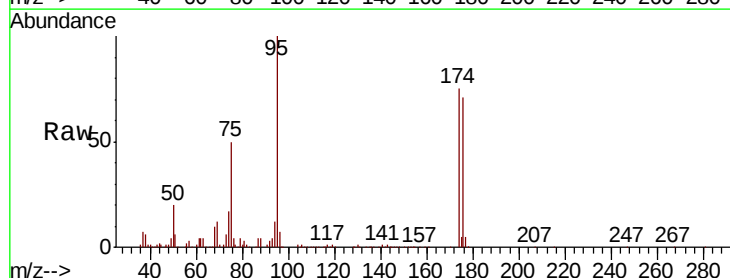
Tgt Ion: 95 Resp: 235808

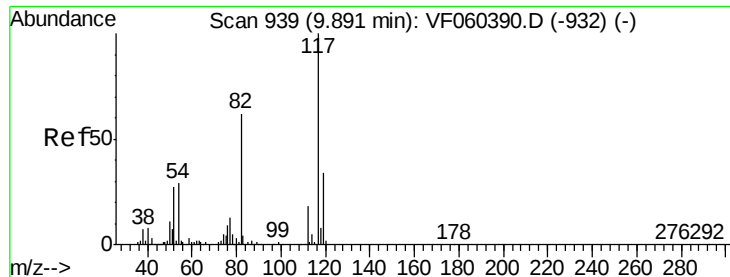
Ion Ratio Lower Upper

95 100

174 74.8 0.0 129.0

176 71.3 0.0 125.6





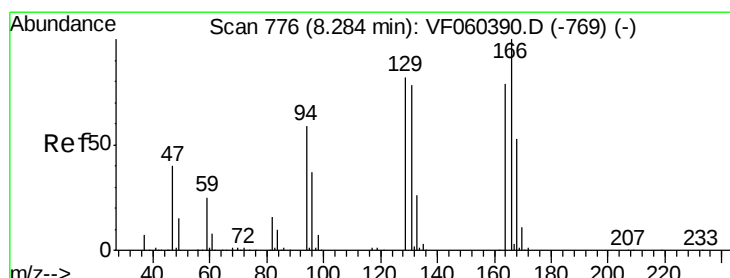
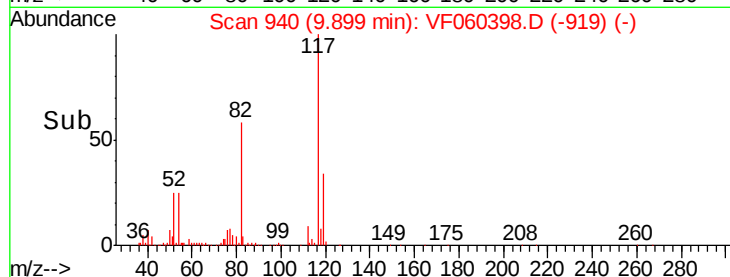
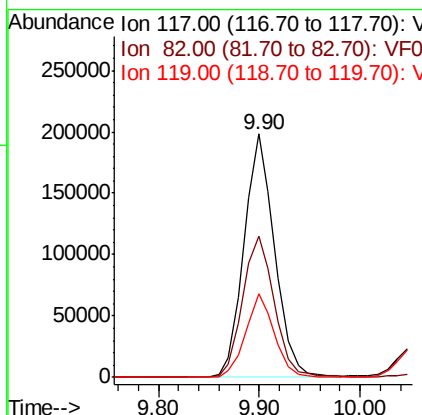
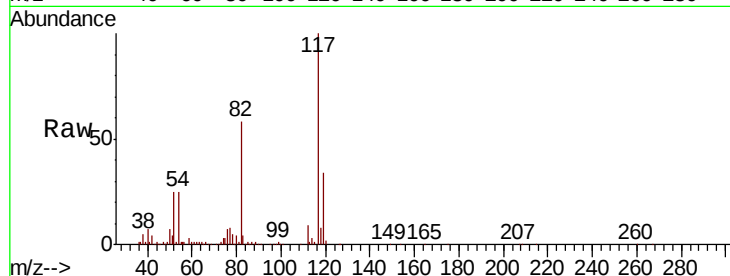
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	49.5	74.3
119	34.5	27.0	40.6

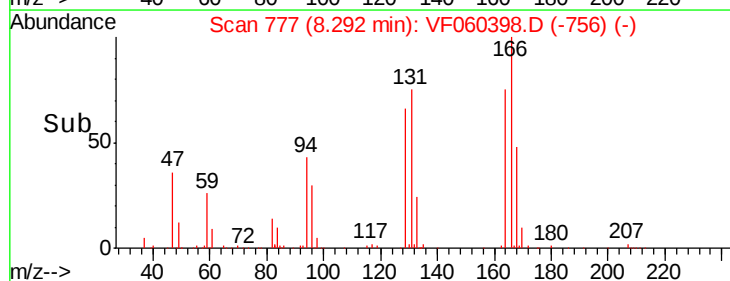
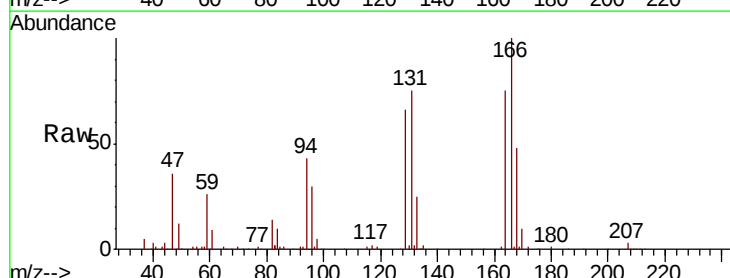
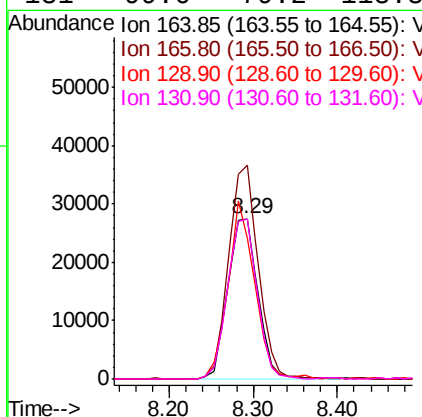
Manual Integrations
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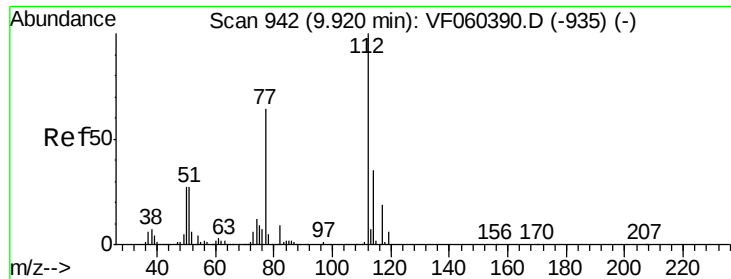
apatel
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#64
Tetrachloroethene
Concen: 20.703 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	101.0	151.6
129	87.8	82.5	123.7
131	99.6	79.2	118.8





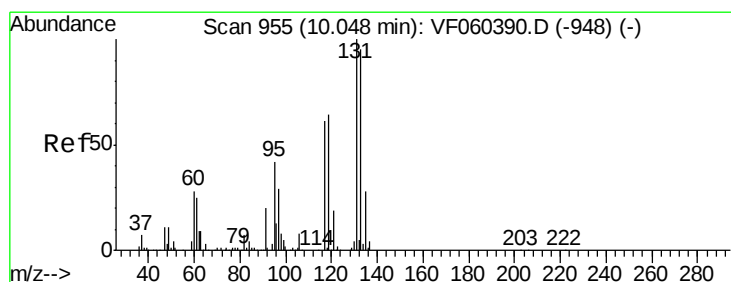
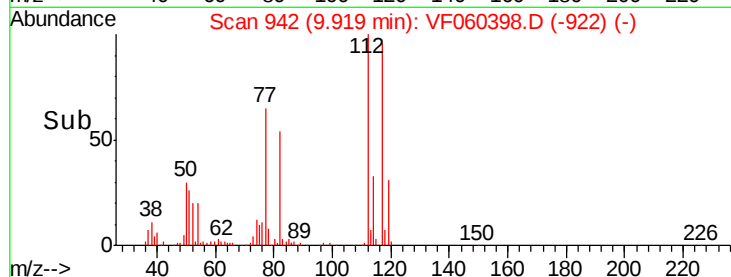
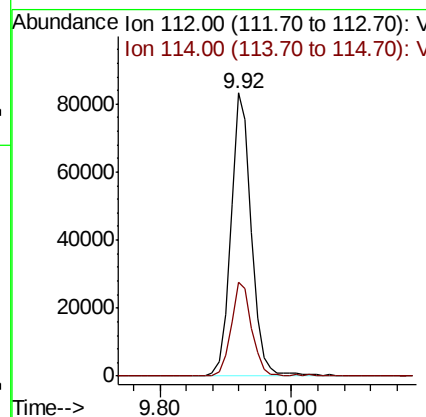
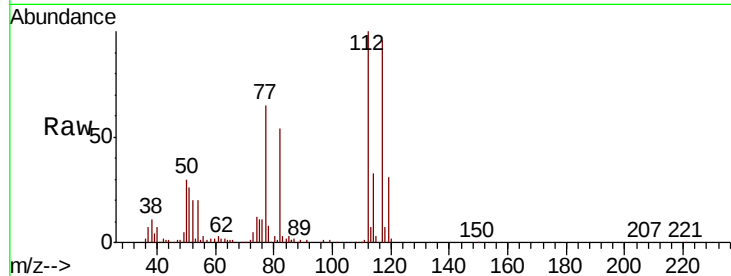
#65
Chlorobenzene
Concen: 21.153 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	27.7	41.5

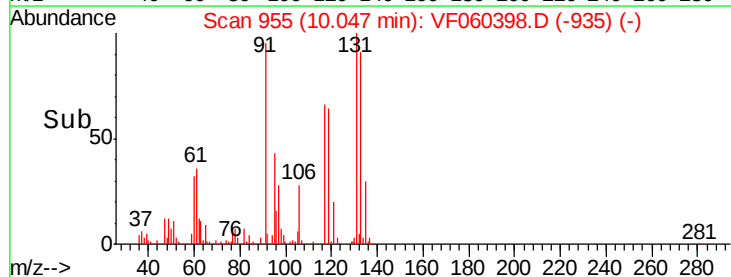
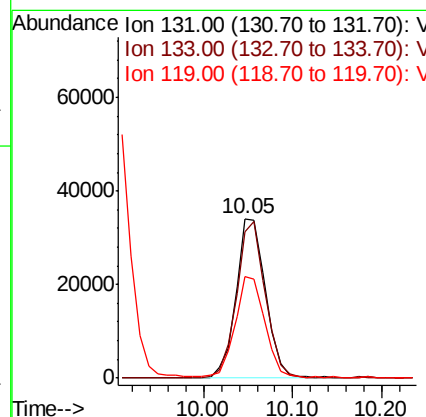
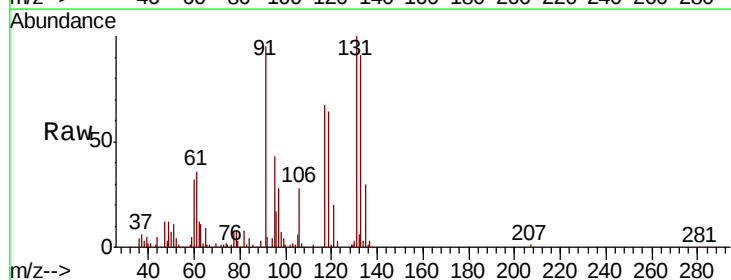
Manual Integrations
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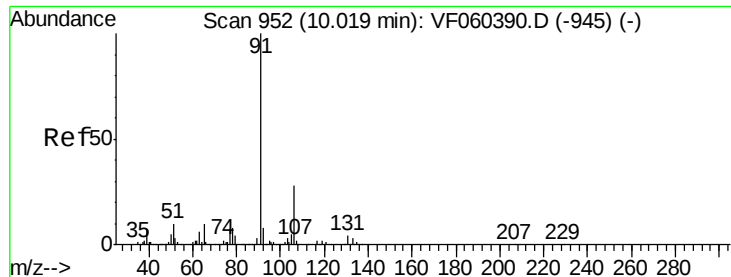
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.107 ug/l
RT: 10.05 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.4	47.3	141.8
119	63.9	32.3	96.9





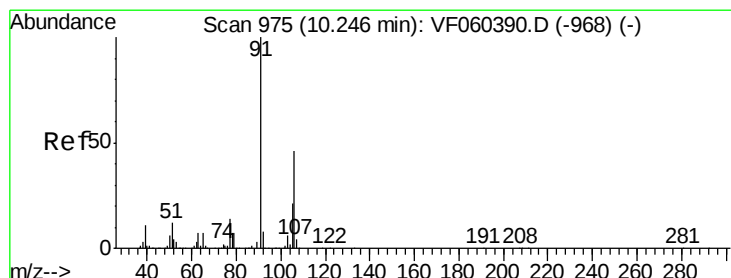
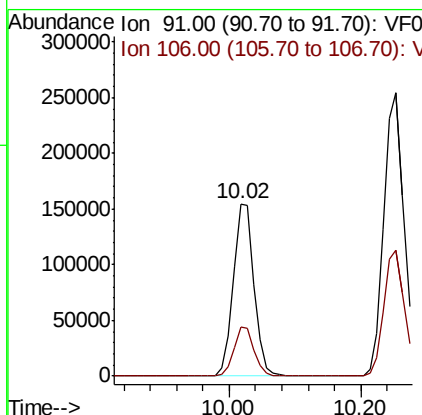
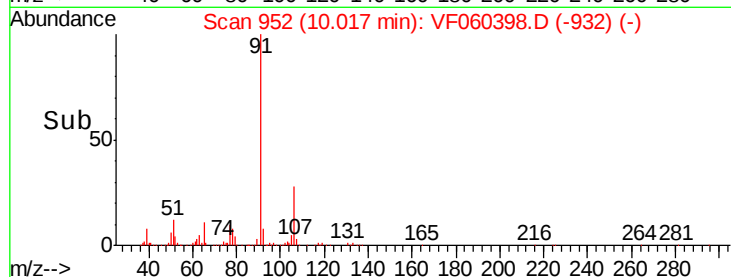
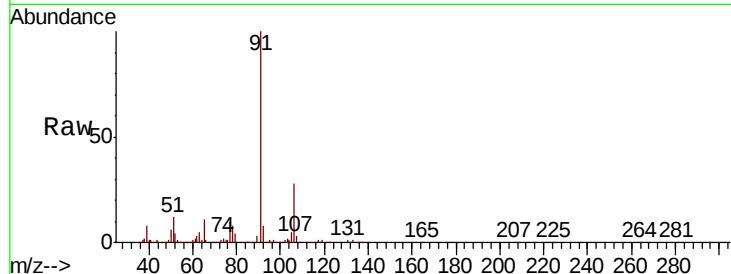
#67
Ethyl Benzene
Concen: 21.130 ug/l
RT: 10.02 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion: 91 Resp: 344515
Ion Ratio Lower Upper
91 100
106 28.2 22.5 33.7

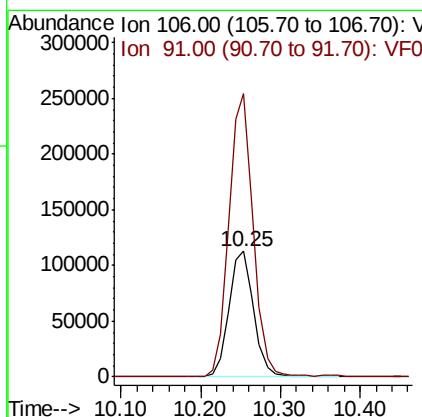
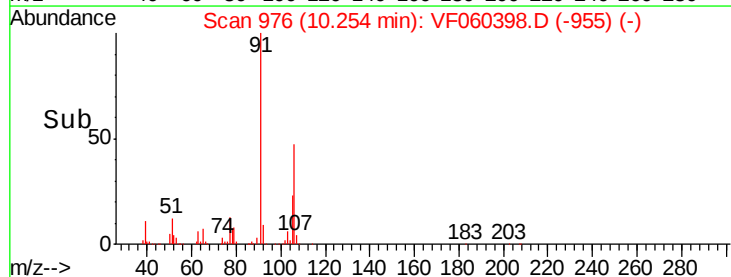
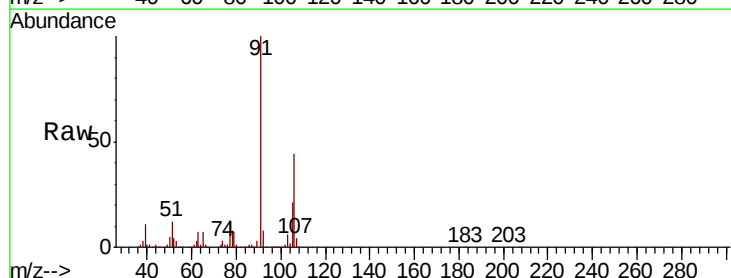
Manual Integrations
APPROVED

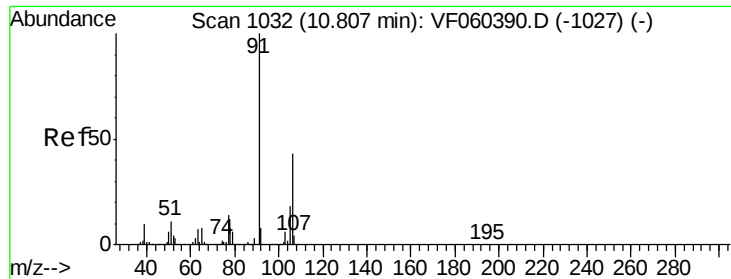
apatel
10/3/2018 1:02:03 PM



#68
m/p-Xylenes
Concen: 43.590 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion: 106 Resp: 244321
Ion Ratio Lower Upper
106 100
91 225.2 175.0 262.6





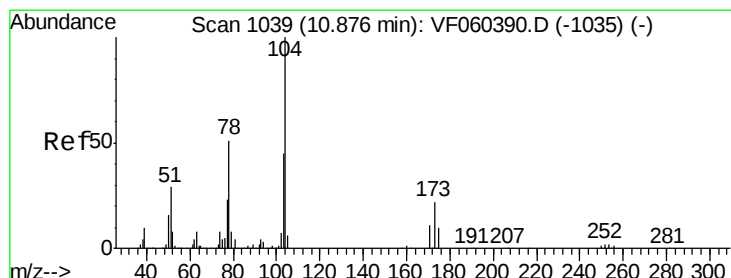
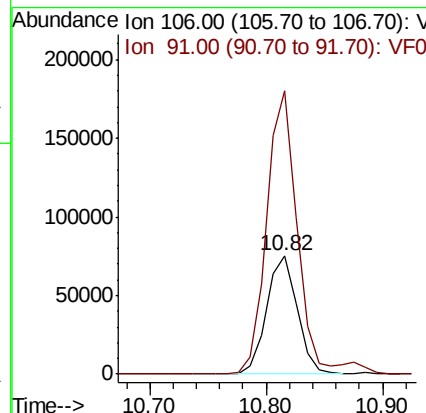
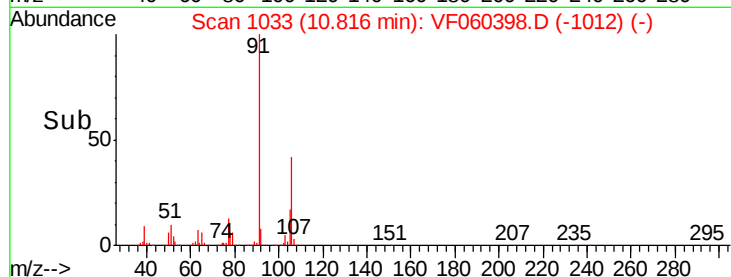
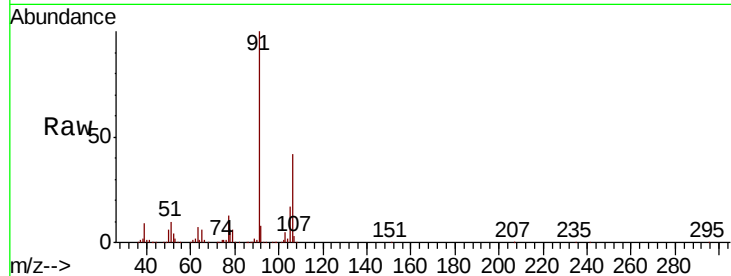
#69
o-Xylene
Concen: 22.381 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion:106 Resp: 136735
Ion Ratio Lower Upper
106 100
91 238.9 115.1 345.2

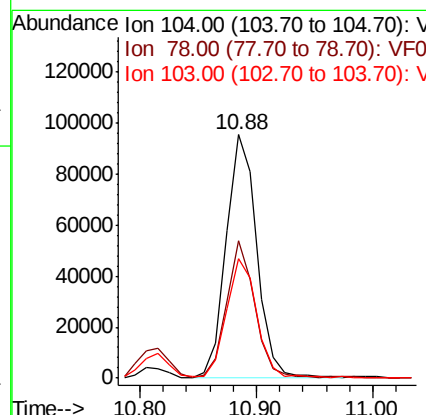
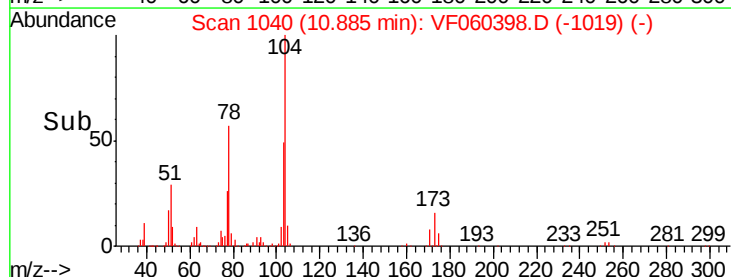
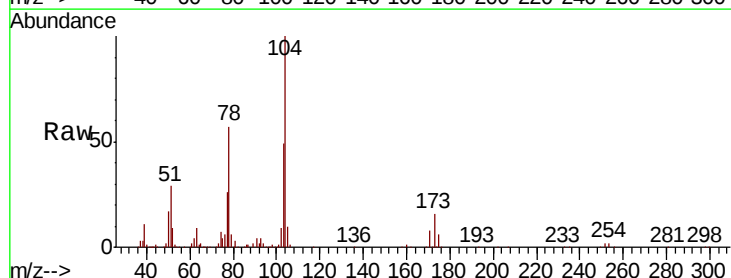
Manual Integrations
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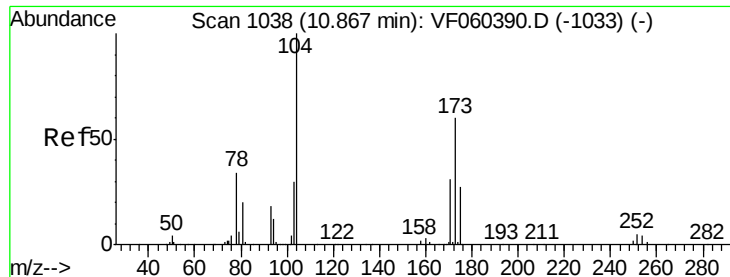
apatel
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#70
Styrene
Concen: 19.985 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion:104 Resp: 173677
Ion Ratio Lower Upper
104 100
78 56.6 41.0 61.4
103 49.3 36.4 54.6





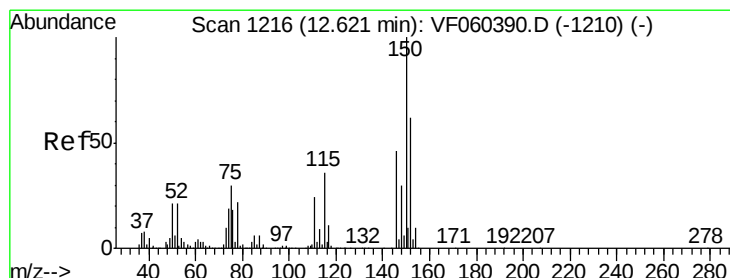
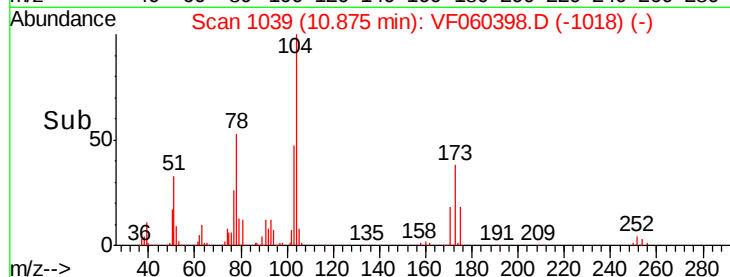
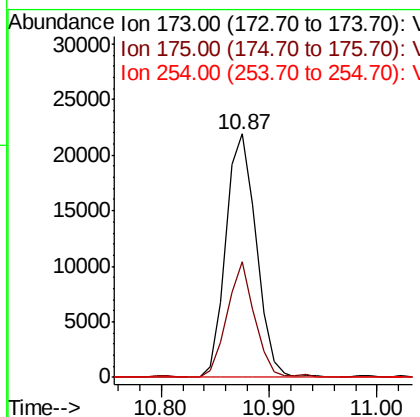
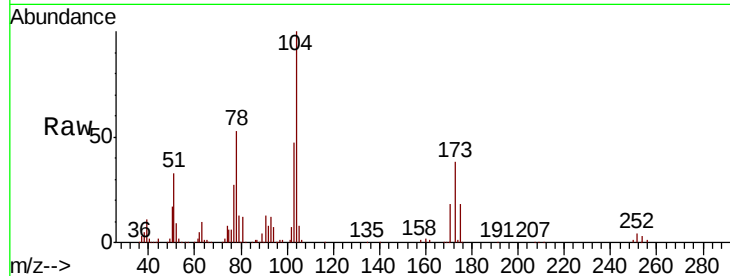
#71
Bromoform
Concen: 21.405 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	22.1	66.1
254	0.0	0.0	0.0

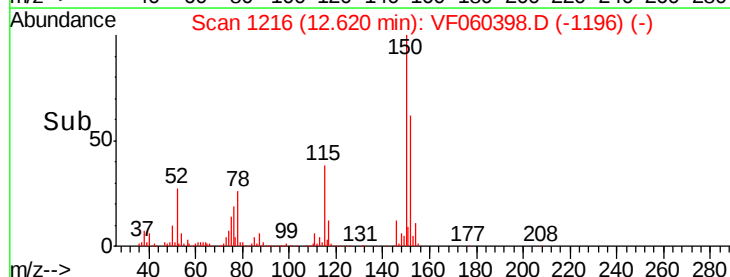
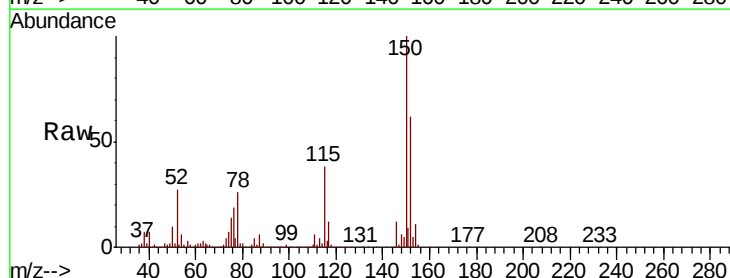
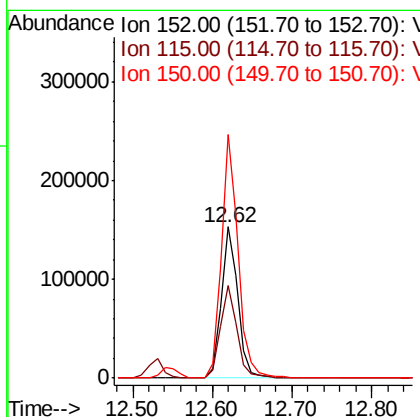
Manual Integrations
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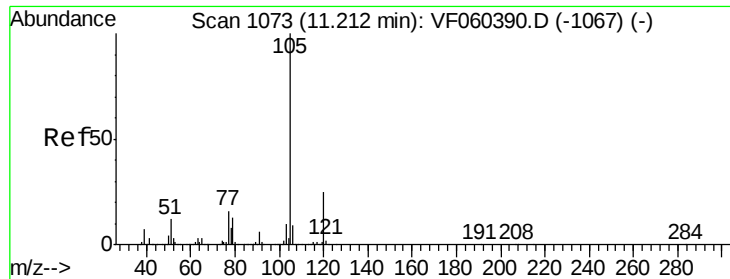
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	28.6	85.8
150	161.1	0.0	324.6





#73

Isopropylbenzene

Concen: 22.456 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBS01

Tot Ion: 105 Resp: 397548

Ion Ratio Lower Upper

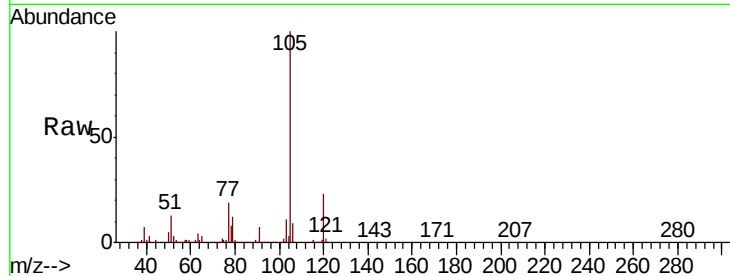
105 100

120 22.9 12.3 36.9

Manual Integrations
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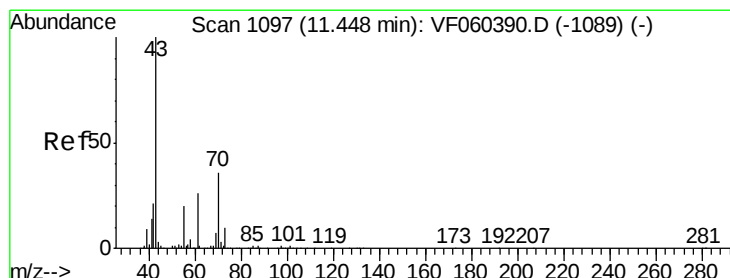
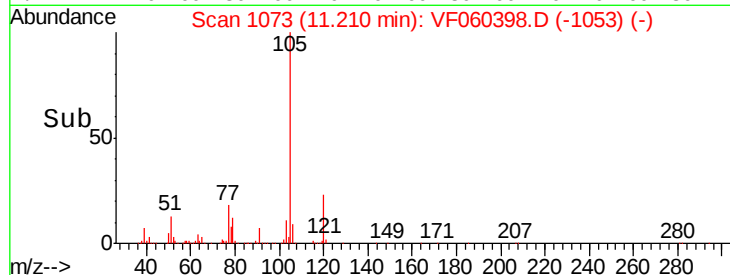
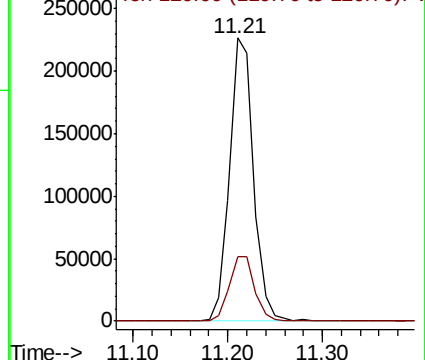
apatel

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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: 20.316 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion: 43 Resp: 82542

Ion Ratio Lower Upper

43 100

70 34.5 29.1 43.7

55 20.9 16.3 24.5

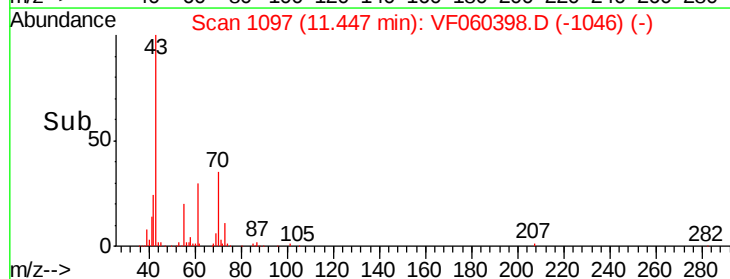
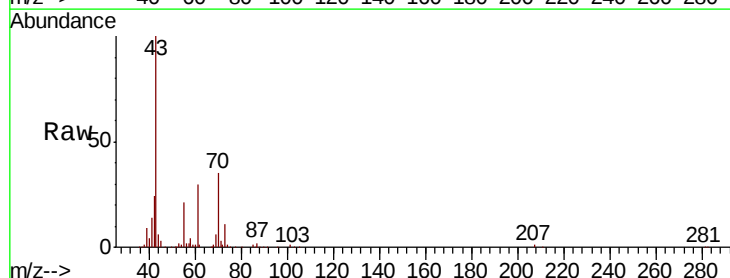
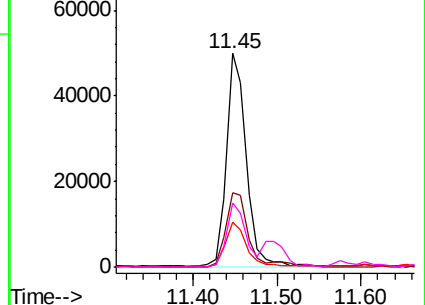
61 29.9 21.0 31.4

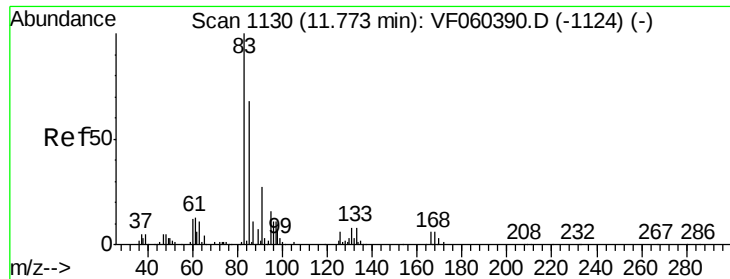
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.405 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

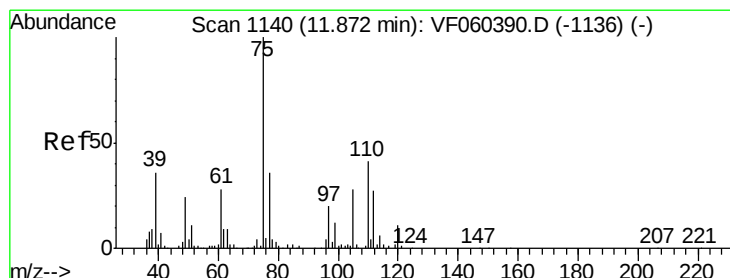
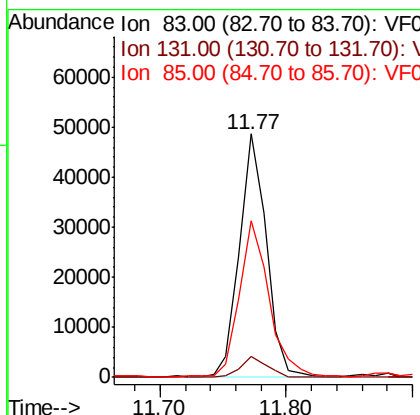
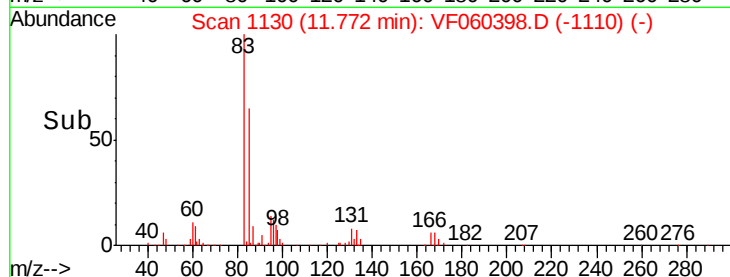
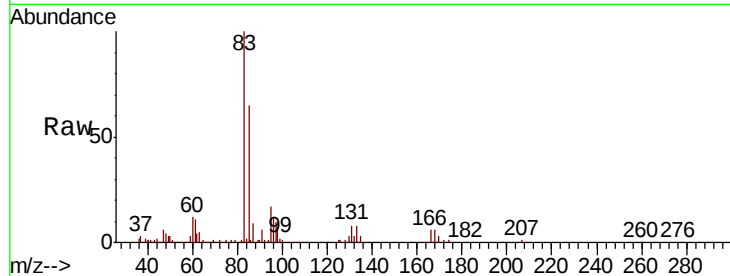
ClientSampleId :

VF1002SBS01

Tot Ion	83	Resp	72313
Ion Ratio	100	Lower	Upper
83	100		
131	8.3	4.0	12.0
85	64.5	34.0	102.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.405 ug/l

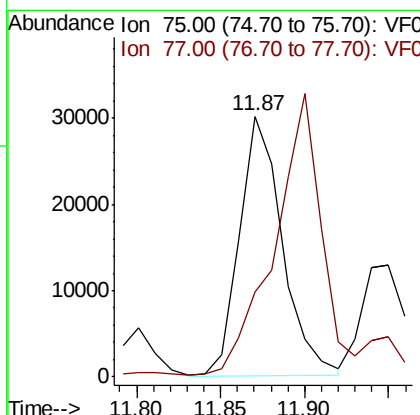
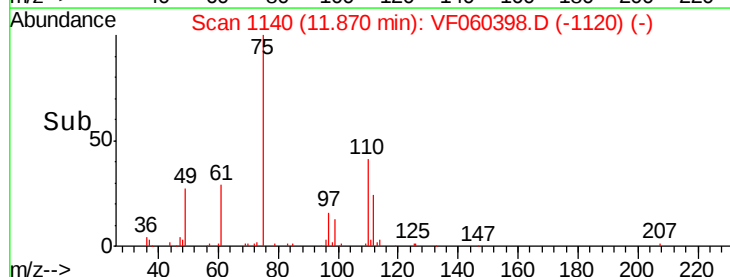
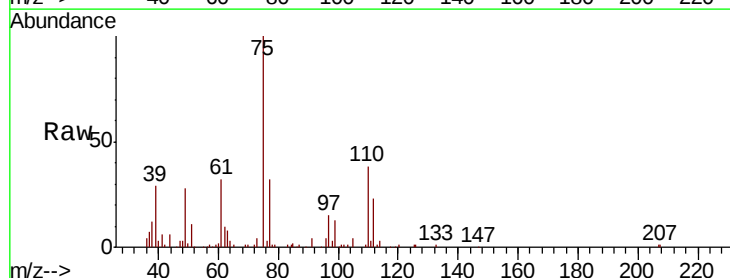
RT: 11.87 min Scan# 1140

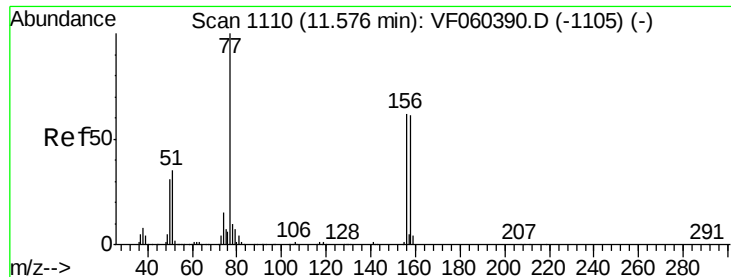
Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion	75	Resp	53236
Ion Ratio	100	Lower	Upper
75	100		
77	32.4	18.1	54.4





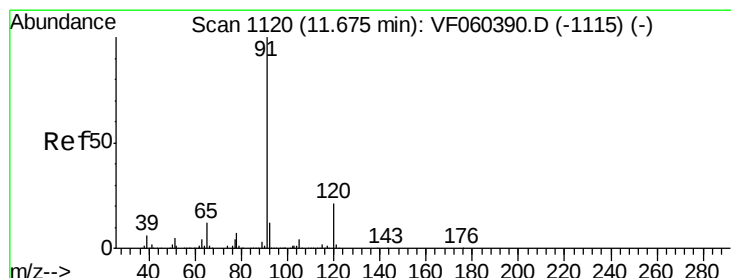
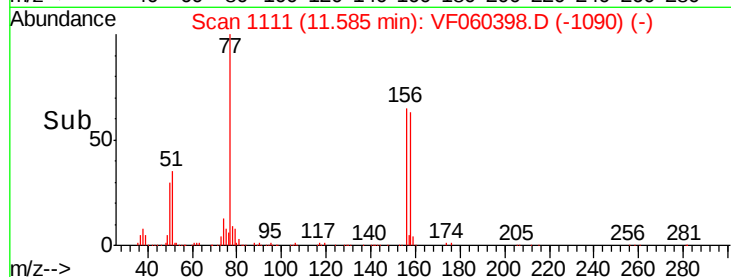
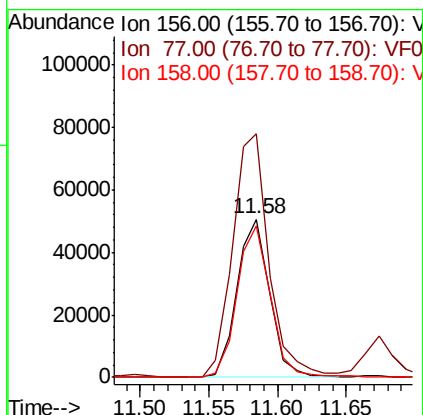
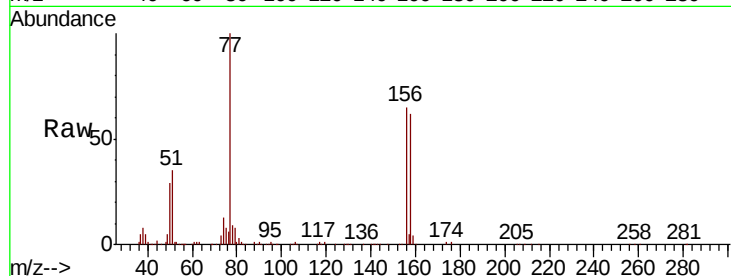
#77
Bromobenzene
Concen: 21.167 ug/l
RT: 11.58 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		83765		
77	153.8	81.3	243.9		
158	95.9	49.6	149.0		

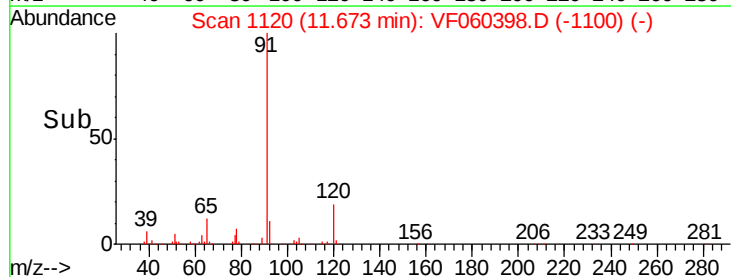
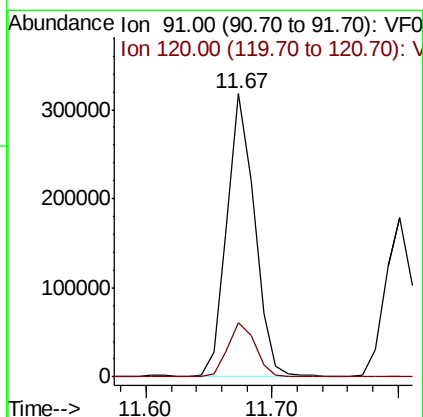
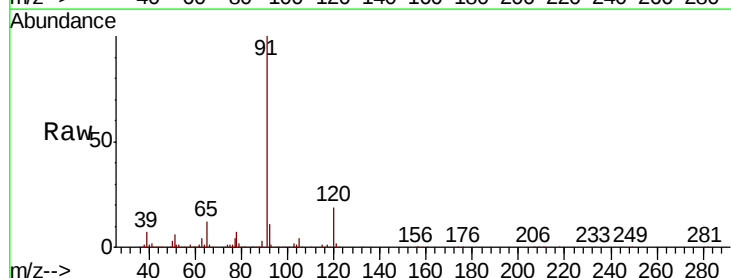
Manual Integrations
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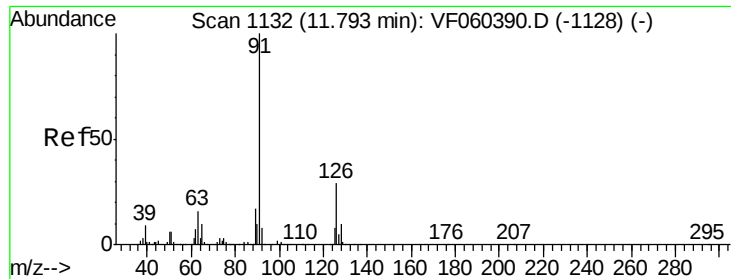
apatel
10/3/2018 1:02:03 PM



#78
n-propylbenzene
Concen: 22.502 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		482935		
120	19.0	10.5	31.6		





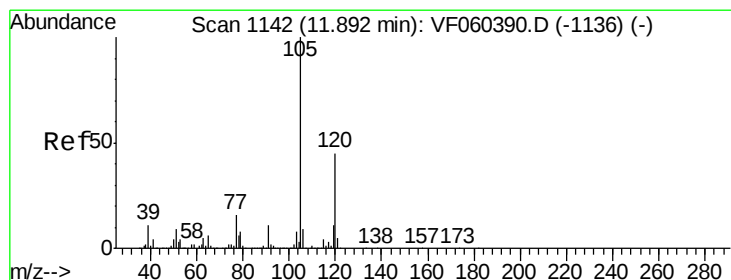
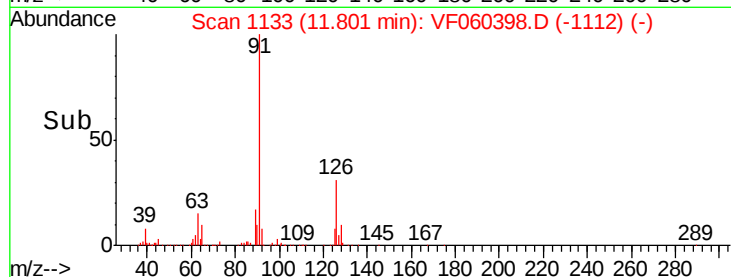
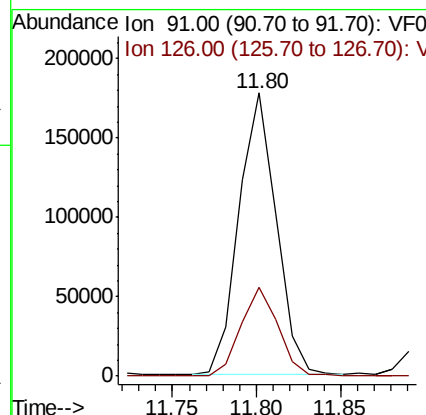
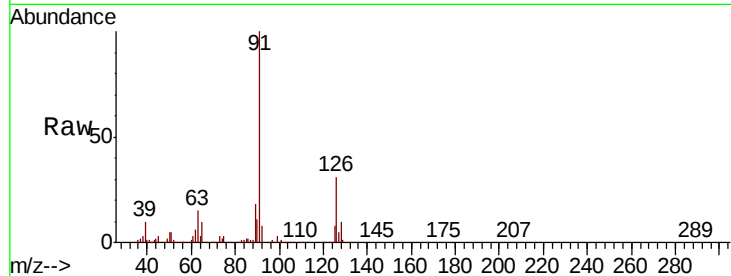
#79
 2-Chlorotoluene
 Concen: 21.886 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	14.4	43.4

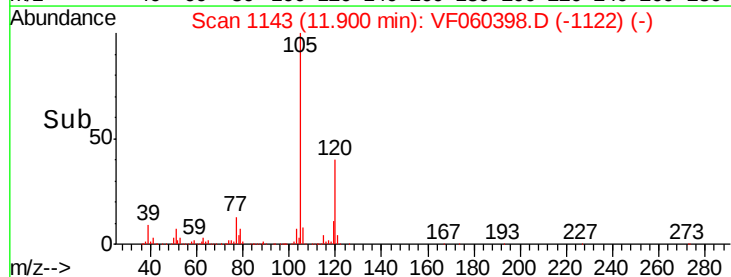
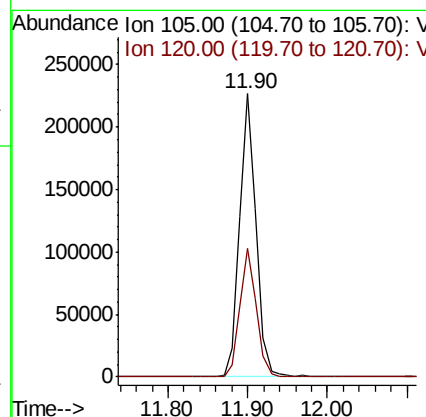
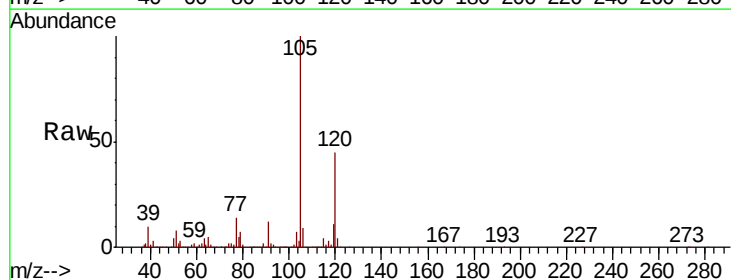
Manual Integrations
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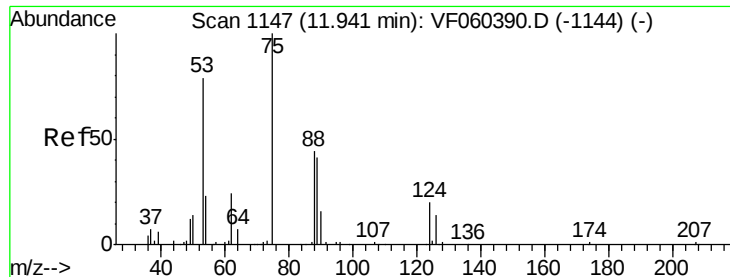
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.953 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.9





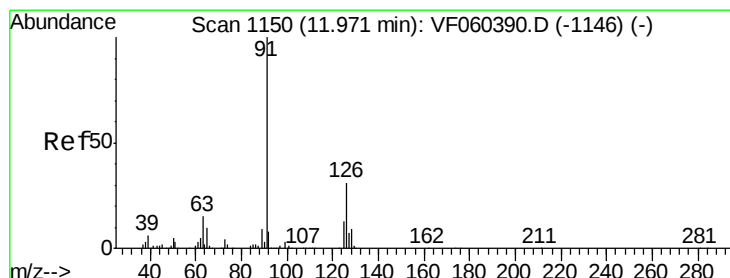
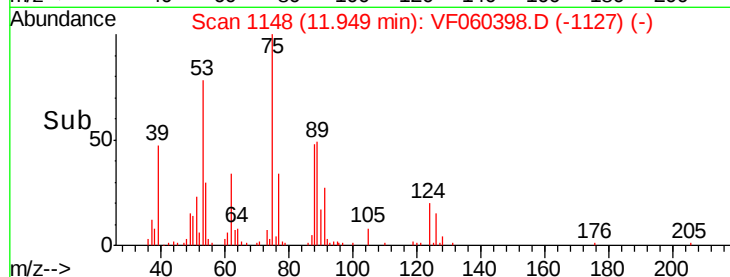
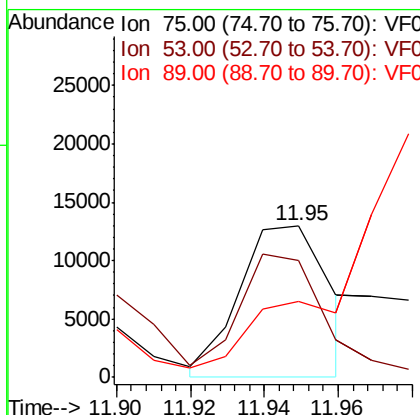
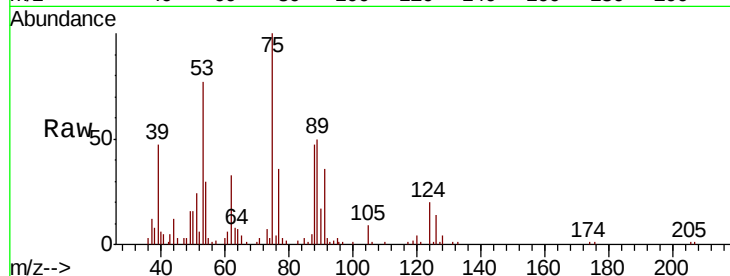
#81
trans-1,4-Dichloro-2-butene
Concen: 20.764 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion: 75 Resp: 21870
Ion Ratio Lower Upper
75 100
53 77.3 67.8 101.8
89 49.9 36.7 55.1

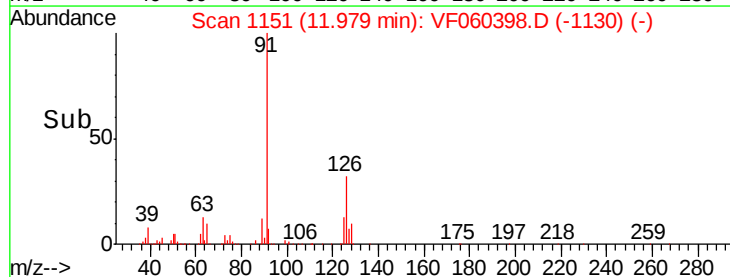
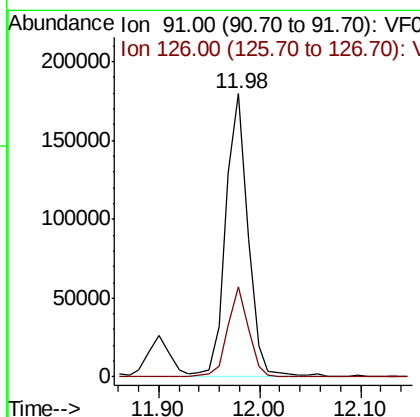
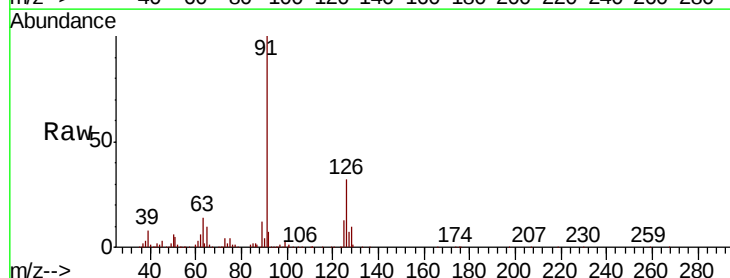
Manual Integrations
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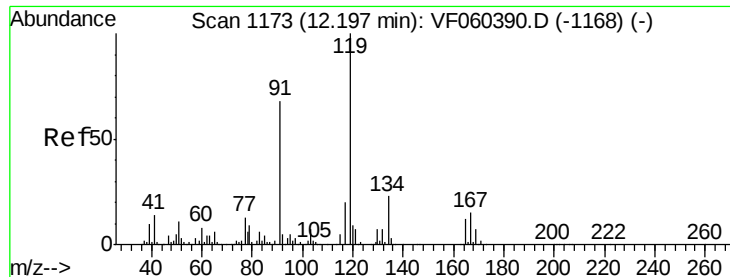
apatel
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#82
4-Chlorotoluene
Concen: 21.308 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion: 91 Resp: 273702
Ion Ratio Lower Upper
91 100
126 31.9 15.7 47.0





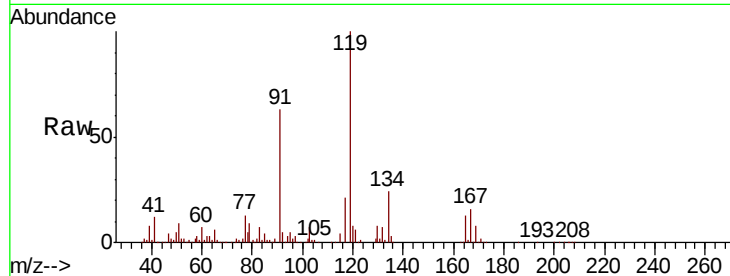
#83
tert-Butylbenzene
Concen: 22.236 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	34.0	102.0
134	24.0	11.7	35.0

Manual Integrations
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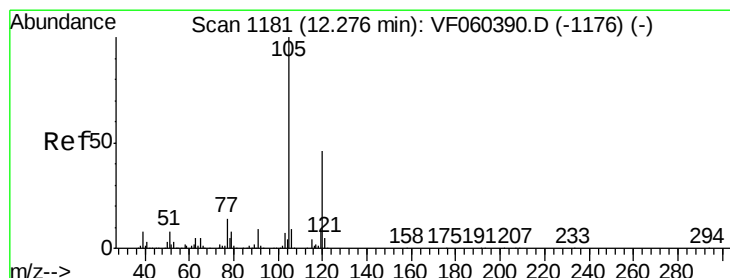
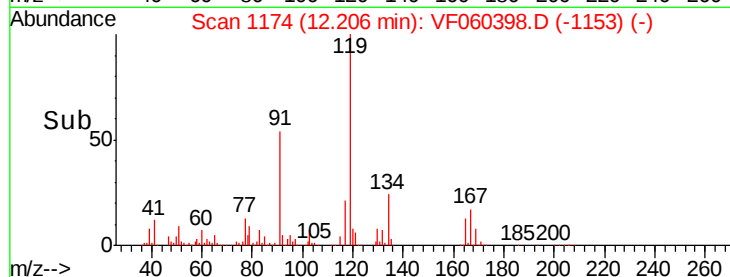
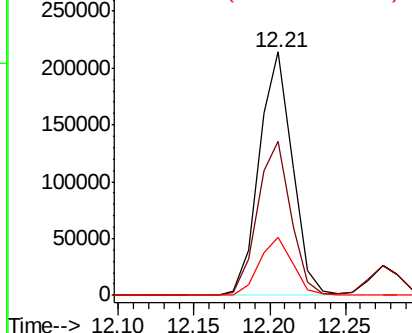


Abundance

Ion 119.00 (118.70 to 119.70): V

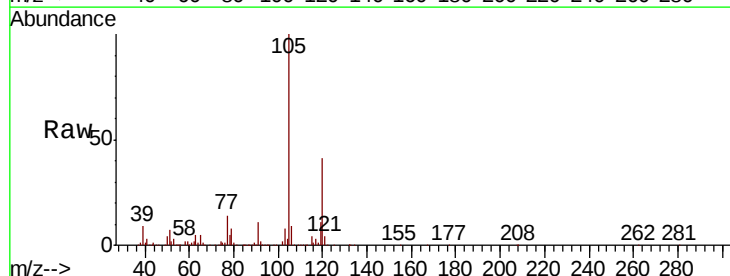
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 21.959 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

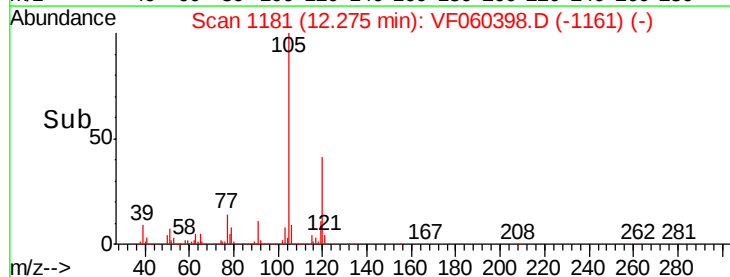
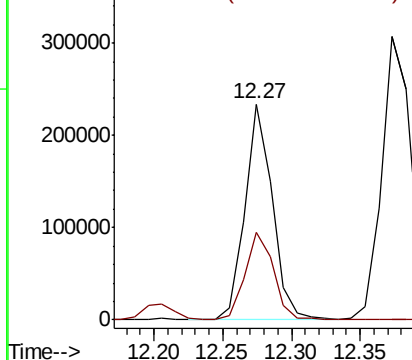
Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.8	23.1	69.2

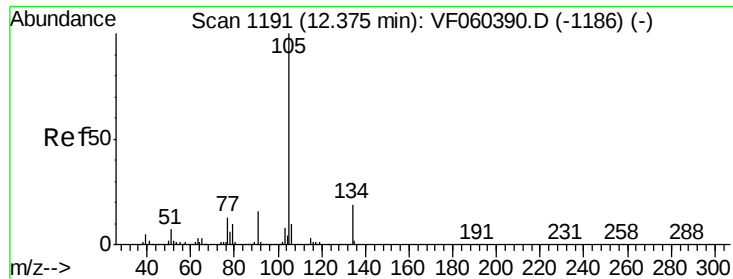


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





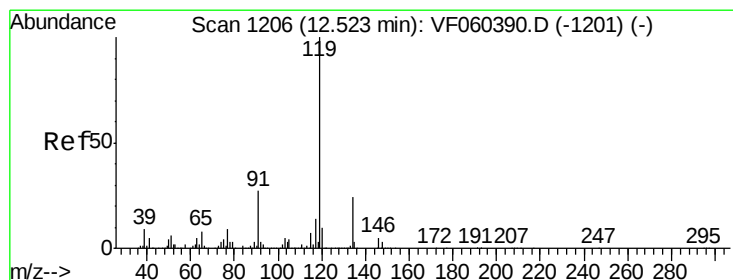
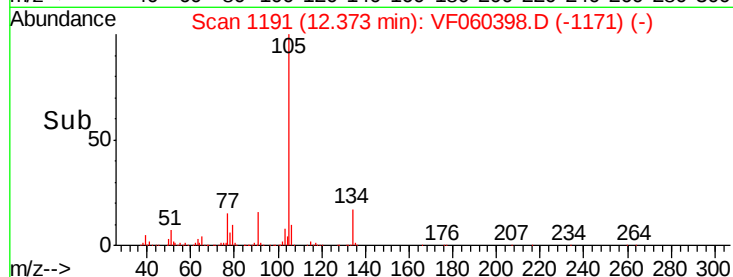
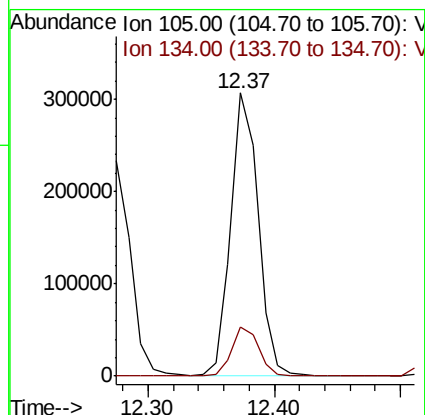
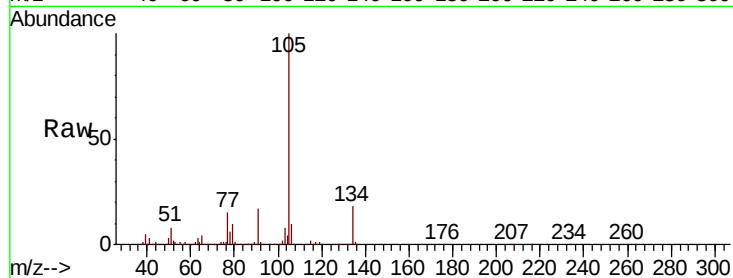
#85
 sec-Butylbenzene
 Concen: 22.455 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	459812		
134	17.5	9.4	28.3	

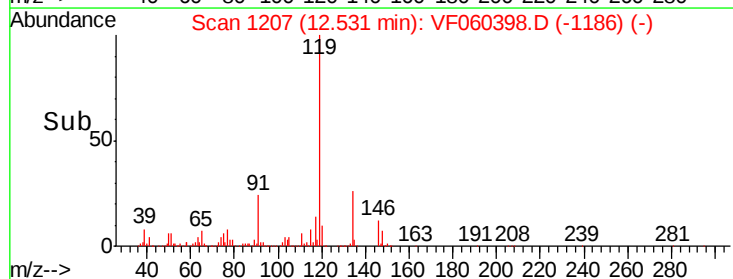
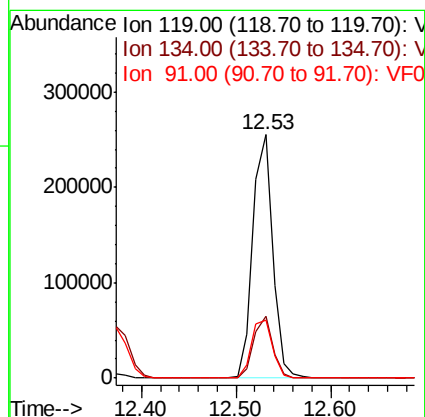
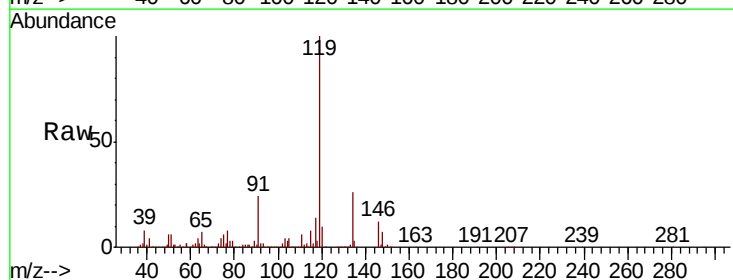
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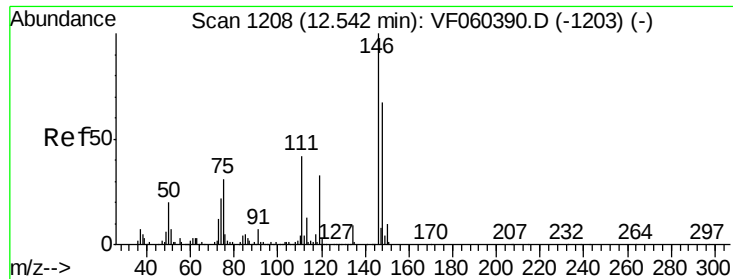
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#86
 p-Isopropyltoluene
 Concen: 22.360 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	374066		
134	25.6	12.3	36.8	
91	24.1	13.5	40.4	





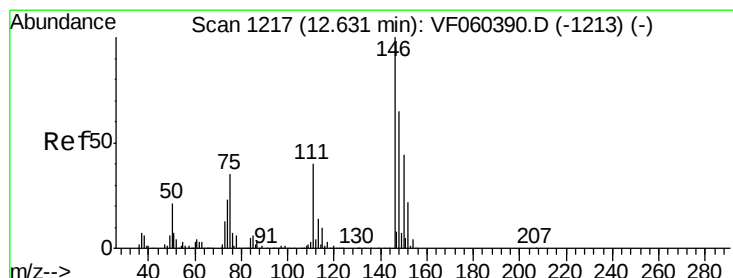
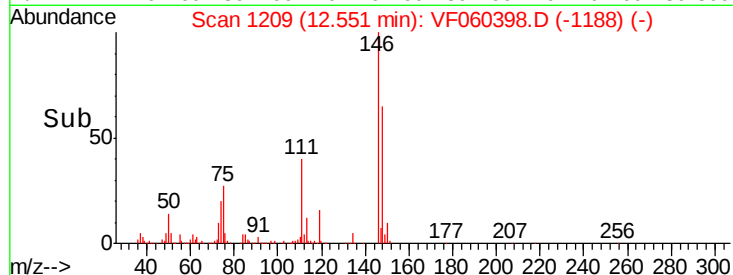
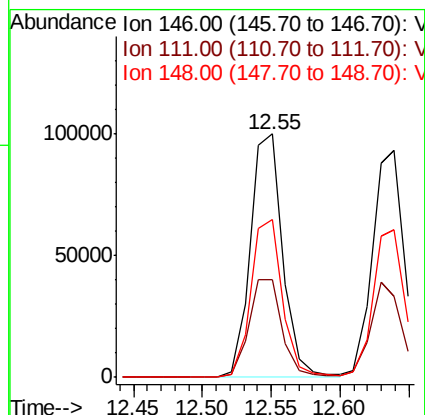
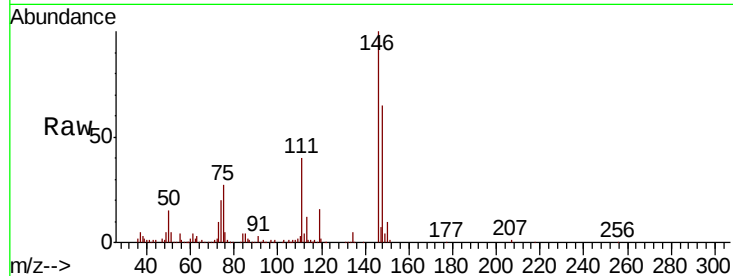
#87
 1,3-Dichlorobenzene
 Concen: 22.090 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampled :
 VF1002SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.9	62.7
148	64.9	33.6	100.8

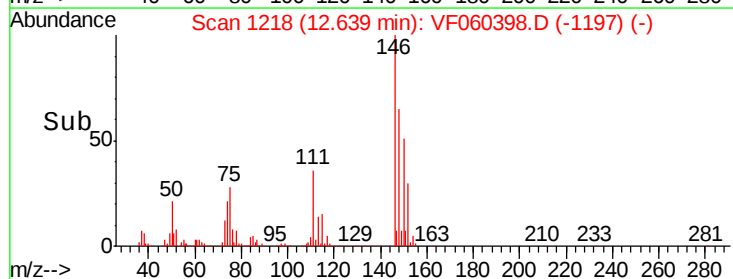
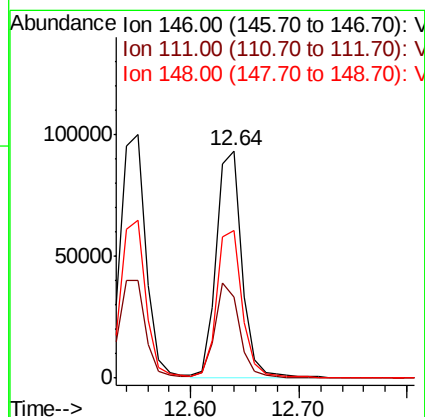
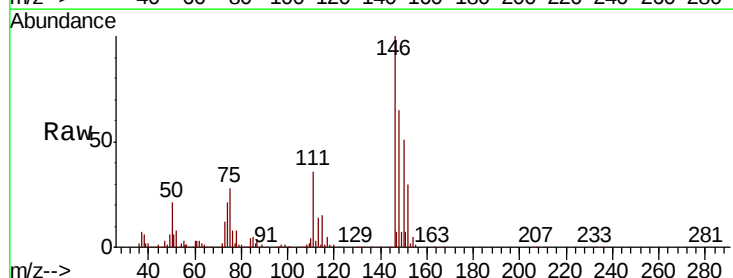
Manual Integrations
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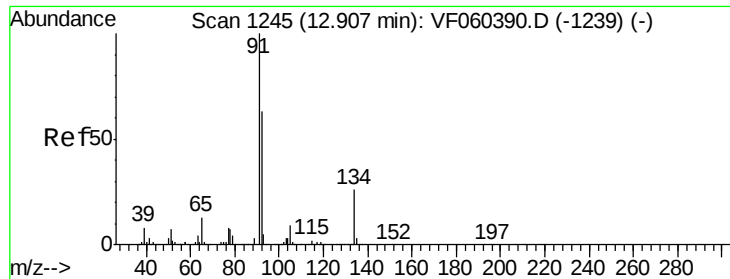
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.825 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	20.2	60.6
148	65.1	32.6	97.8





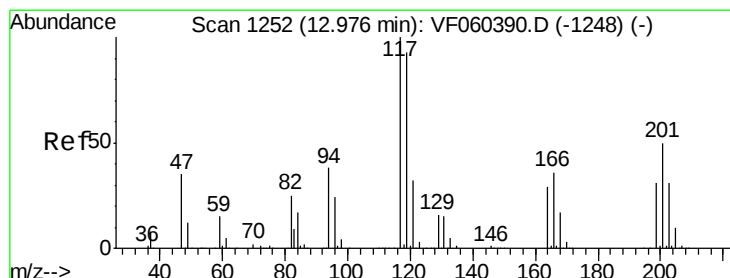
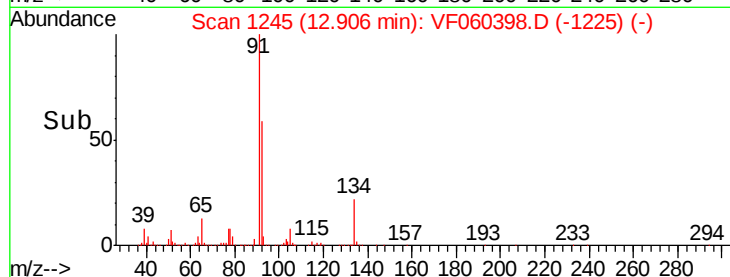
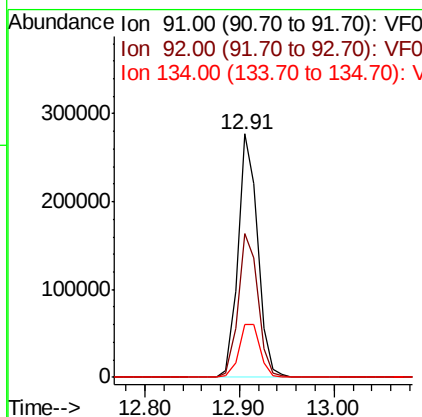
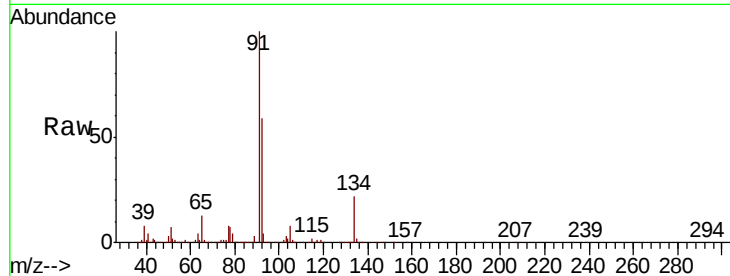
#89
n-Butylbenzene
Concen: 22.524 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	31.3	93.9
134	21.7	13.0	38.9

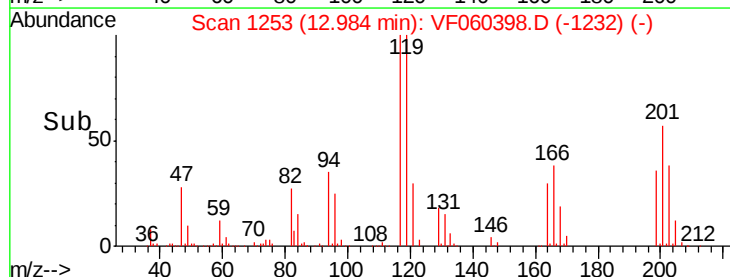
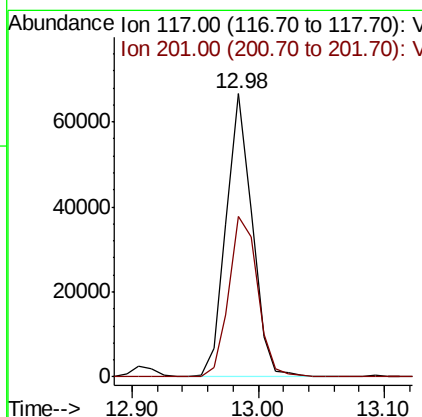
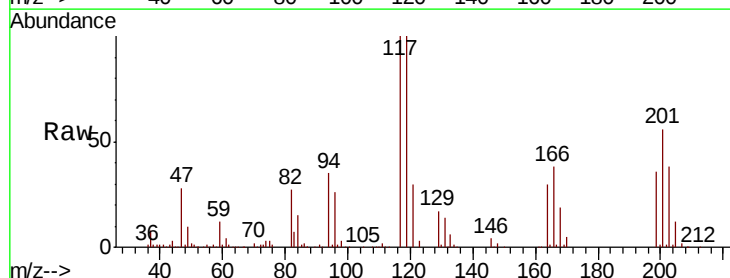
Manual Integrations
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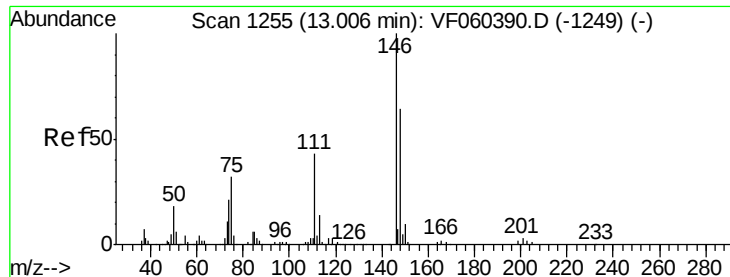
apatel
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#90
Hexachloroethane
Concen: 22.063 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.0	25.5	76.5





#91

1,2-Dichlorobenzene

Concen: 22.978 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Instrument :

MSVOA_F

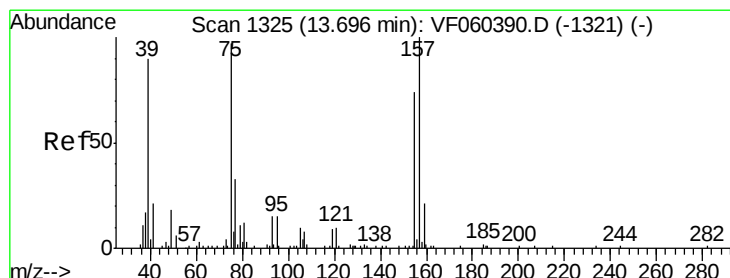
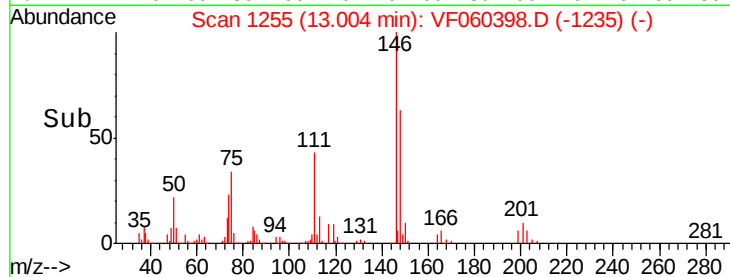
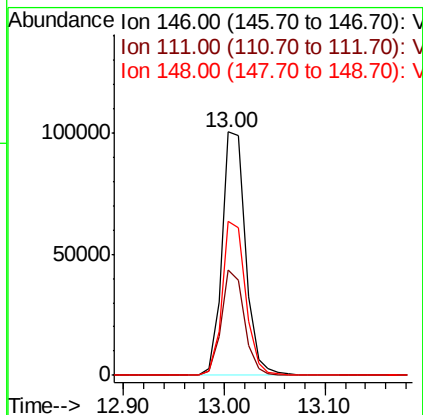
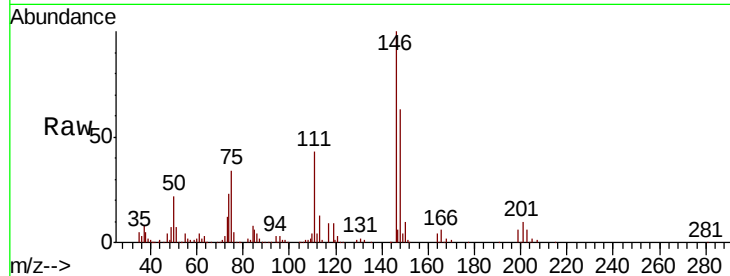
ClientSampled :

VF1002SBS01

Tot Ion:	146	Resp:	163944
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.3	64.0
148	63.2	32.2	96.6

Manual Integrations
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apatel
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.059 ug/l

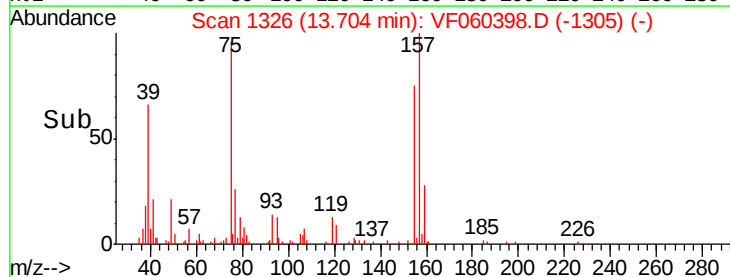
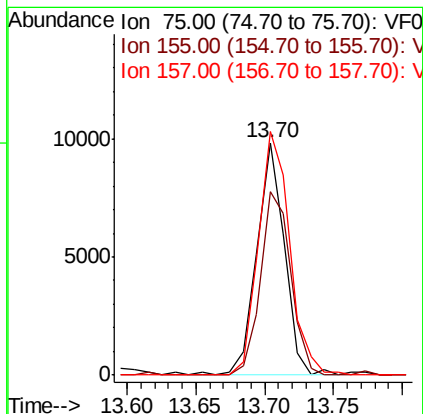
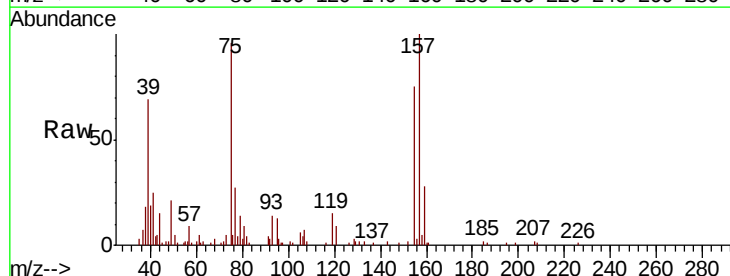
RT: 13.70 min Scan# 1326

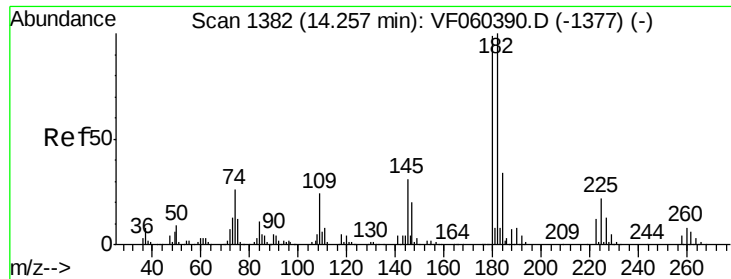
Delta R.T. 0.01 min

Lab File: VF060398.D

Acq: 2 Oct 2018 13:22

Tgt Ion:	75	Resp:	13802
Ion Ratio	Lower	Upper	
75	100		
155	78.7	37.9	113.6
157	104.7	51.3	154.0





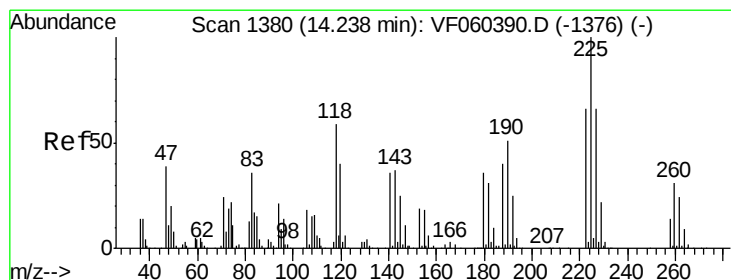
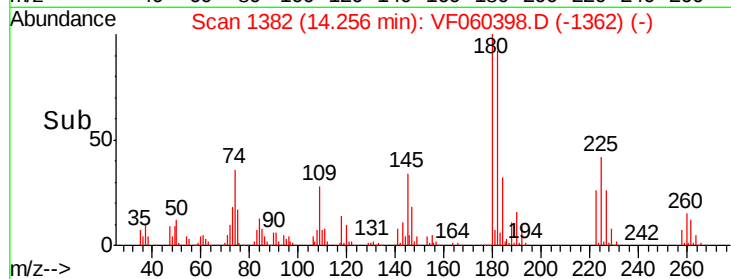
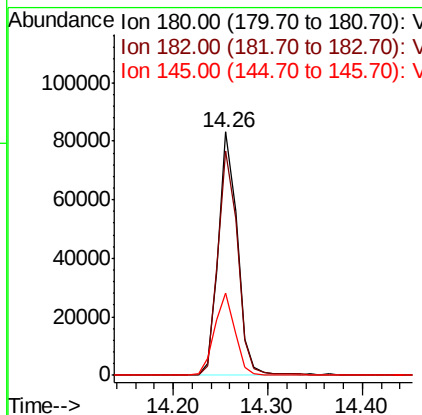
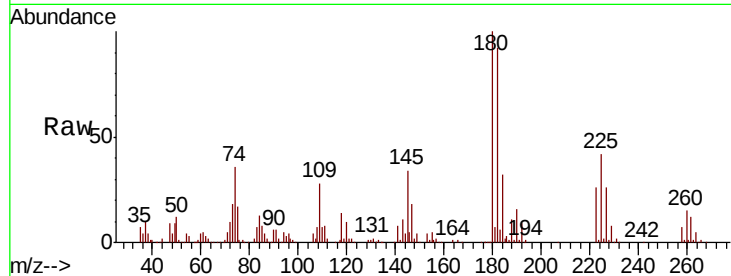
#93
 1,2,4-Trichlorobenzene
 Concen: 21.935 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.2	50.3	150.9	
145	33.8	15.5	46.5	

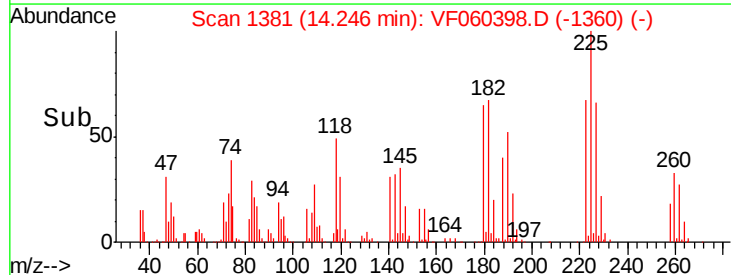
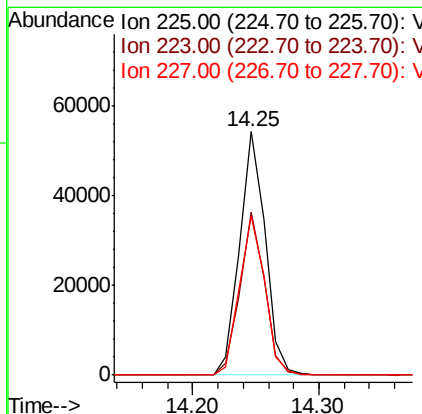
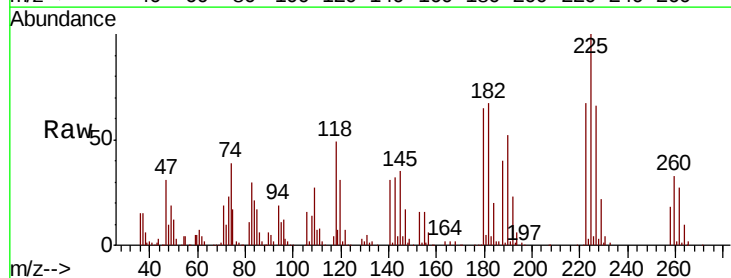
Manual Integrations
 APPROVED

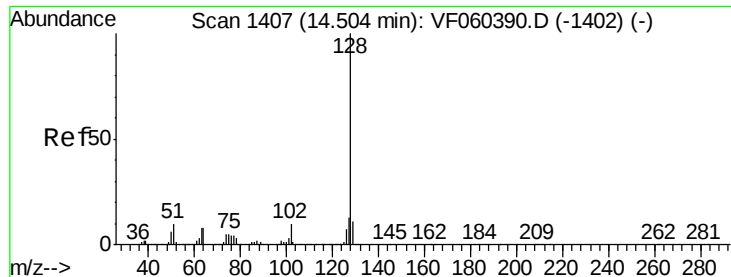
apatel
 10/3/2018 1:02:03 PM



#94
 Hexachlorobutadiene
 Concen: 20.479 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060398.D
 Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	67.0	32.8	98.4	
227	65.6	33.0	99.0	





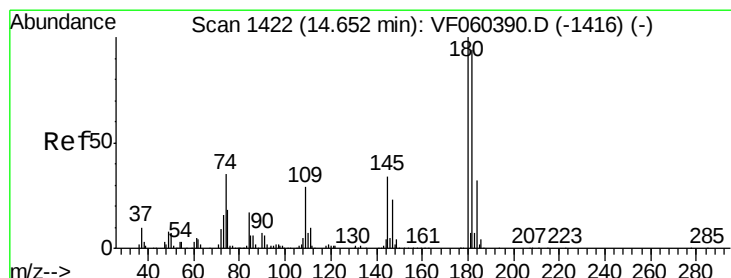
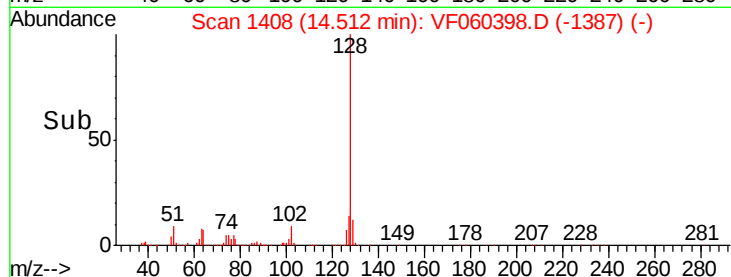
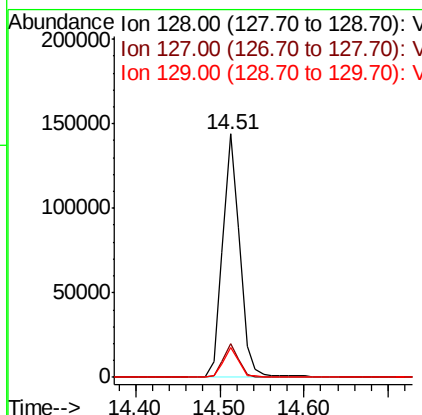
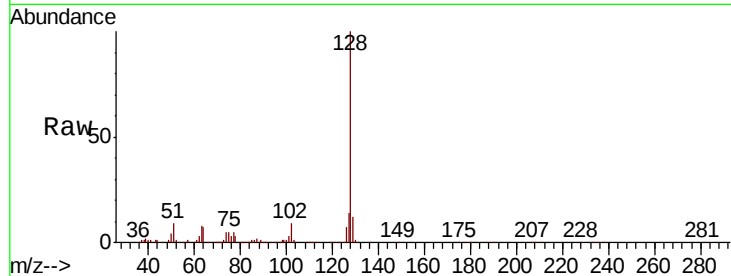
#95
Naphthalene
Concen: 21.490 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	204910		
127	13.8	10.0	15.0	
129	12.4	8.7	13.1	

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 22.304 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060398.D
Acq: 2 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111501		
182	97.9	46.8	140.3	
145	30.8	16.9	50.6	

