

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060396.D
 Acq On : 2 Oct 2018 11:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 10/3/2018 1:01:59 PM

Quant Time: Oct 02 14:20:14 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	311202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	508742	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	458635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	250149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	234191	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	4.27	113	233503	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	7.69	98	620514	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.50	95	260590	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	278981	40.655	ug/l	98
3) Chloromethane	1.13	50	196470	46.493	ug/l	100
4) Vinyl Chloride	1.18	62	200993	45.722	ug/l	97
5) Bromomethane	1.35	94	146635	43.064	ug/l	100
6) Chloroethane	1.43	64	101034	46.056	ug/l	92
7) Trichlorofluoromethane	1.52	101	434968	42.647	ug/l	92
8) Diethyl Ether	1.69	74	57010	40.787	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	209753	42.934	ug/l	97
10) Methyl Iodide	1.97	142	351669	47.202	ug/l	85
11) Tert butyl alcohol	2.67	59	75187	255.262	ug/l #	83
12) 1,1-Dichloroethene	1.86	96	182256	48.282	ug/l	85
13) Acrolein	2.08	56	53724	226.800	ug/l	100
14) Allyl chloride	2.18	41	298795	49.399	ug/l	89
15) Acrylonitrile	3.06	53	130207	257.985	ug/l	87
16) Acetone	2.33	43	285221	287.957	ug/l	96
17) Carbon Disulfide	1.88	76	543740	47.569	ug/l	96
18) Methyl Acetate	2.44	43	89597	48.918	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	428134	46.566	ug/l	94
20) Methylene Chloride	2.27	84	166009m	46.296	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	183562	48.690	ug/l	96
22) Diisopropyl ether	2.91	45	562630	51.247	ug/l #	95
23) Vinyl Acetate	3.32	43	1175422	269.519	ug/l	97
24) 1,1-Dichloroethane	2.99	63	366428	49.355	ug/l	100
25) 2-Butanone	4.49	43	348756	276.593	ug/l	95
26) 2,2-Dichloropropane	3.74	77	204809	48.706	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	224097	53.164	ug/l	91
28) Bromochloromethane	3.87	49	139686	51.050	ug/l	100
29) Tetrahydrofuran	4.23	42	132788	280.117	ug/l	99
30) Chloroform	4.02	83	433639	47.334	ug/l	99
31) Cyclohexane	3.84	56	284481	53.361	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	355203	46.594	ug/l	97
36) 1,1-Dichloropropene	4.44	75	323775	51.619	ug/l	98
37) Ethyl Acetate	4.27	43	125793	52.371	ug/l #	79
38) Carbon Tetrachloride	4.14	117	351501m	46.038	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	338037	54.973	ug/l	94
40) Benzene	4.78	78	659736	52.983	ug/l	98
41) Methacrylonitrile	4.89	41	67700	53.158	ug/l	88
42) 1,2-Dichloroethane	5.10	62	284792	47.941	ug/l	96
43) Isopropyl Acetate	7.09	43	169191	58.287	ug/l #	95
44) Trichloroethene	5.65	130	206572	51.703	ug/l	93
45) 1,2-Dichloropropane	6.38	63	180828	54.531	ug/l	99
46) Dibromomethane	6.23	93	135567	50.848	ug/l	97
47) Bromodichloromethane	6.53	83	325027	49.223	ug/l	99
48) Methyl methacrylate	6.85	41	111239	53.387	ug/l	96
49) 1,4-Dioxane	6.85	88	21066	1172.568	ug/l	92
51) 4-Methyl-2-Pentanone	8.38	43	584252	282.757	ug/l	95
52) Toluene	7.76	92	438535	51.851	ug/l	96
53) t-1,3-Dichloropropene	8.40	75	260856	50.409	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	323851	53.548	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	133876	49.938	ug/l	91
56) Ethyl methacrylate	8.74	69	171308	56.235	ug/l	98
57) 1,3-Dichloropropane	8.98	76	236392	52.123	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	72732	233.742	ug/l #	100
59) 2-Hexanone	9.61	43	451100	297.642	ug/l	95
60) Dibromochloromethane	8.85	129	205187	50.834	ug/l	98
61) 1,2-Dibromoethane	9.11	107	155799	53.112	ug/l	93
64) Tetrachloroethene	8.28	164	186105	51.045	ug/l	96
65) Chlorobenzene	9.92	112	491605	52.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	205396	49.930	ug/l	93
67) Ethyl Benzene	10.02	91	915996	51.135	ug/l	99
68) m/p-Xylenes	10.26	106	634440	103.027	ug/l	88
69) o-Xylene	10.81	106	353025	52.594	ug/l	99
70) Styrene	10.89	104	487336	51.043	ug/l	96
71) Bromoform	10.88	173	115104	52.556	ug/l #	97
73) Isopropylbenzene	11.21	105	1019845	51.779	ug/l	98
74) N-amyl acetate	11.45	43	266234	58.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	187875	52.320	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	136344	51.575	ug/l	94
77) Bromobenzene	11.59	156	221640	50.341	ug/l	88
78) n-propylbenzene	11.67	91	1192711	49.951	ug/l	99
79) 2-Chlorotoluene	11.80	91	694870	49.749	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	839122	50.145	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	63225m	53.953	ug/l	
82) 4-Chlorotoluene	11.98	91	709976	49.680	ug/l	95
83) tert-Butylbenzene	12.21	119	839481	50.862	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	851555	51.312	ug/l	97
85) sec-Butylbenzene	12.37	105	1122630	49.277	ug/l	99
86) p-Isopropyltoluene	12.52	119	921566	49.513	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	404662	48.843	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	403067	49.338	ug/l	98
89) n-Butylbenzene	12.91	91	966829	49.089	ug/l	98
90) Hexachloroethane	12.99	117	245812	51.098	ug/l	78
91) 1,2-Dichlorobenzene	13.01	146	402183	50.664	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	36754	52.797	ug/l	99

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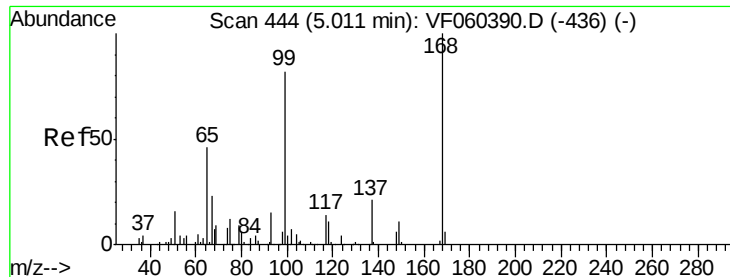
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285819	48.172	ug/l	97
94) Hexachlorobutadiene	14.25	225	193336	46.688	ug/l	97
95) Naphthalene	14.51	128	564399	53.203	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	276194	49.659	ug/l	93

(#) = 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

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Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 311202

Ion Ratio Lower Upper

168 100

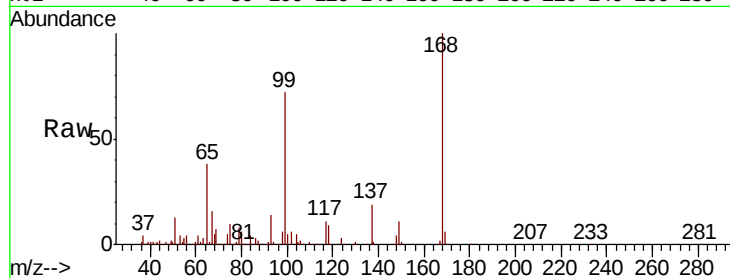
99 72.1 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

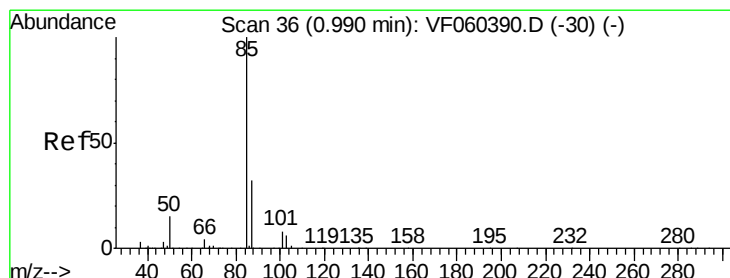
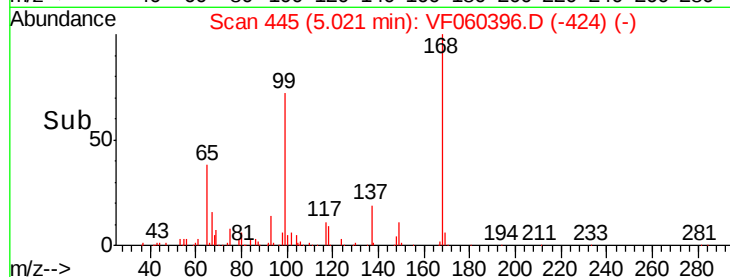
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.655 ug/l

RT: 0.99 min Scan# 36

Delta R.T. 0.00 min

Lab File: VF060396.D

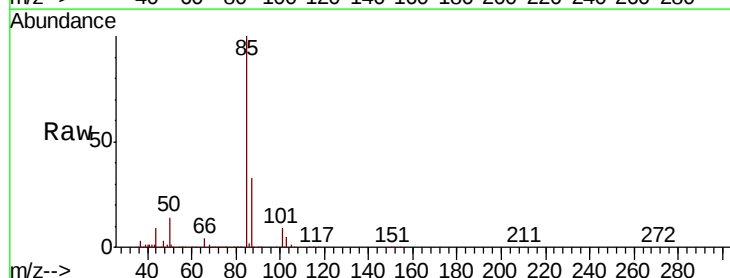
Acq: 2 Oct 2018 11:38

Tgt Ion: 85 Resp: 278981

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

100000

80000

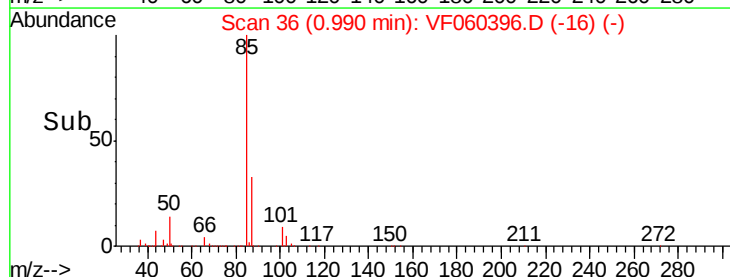
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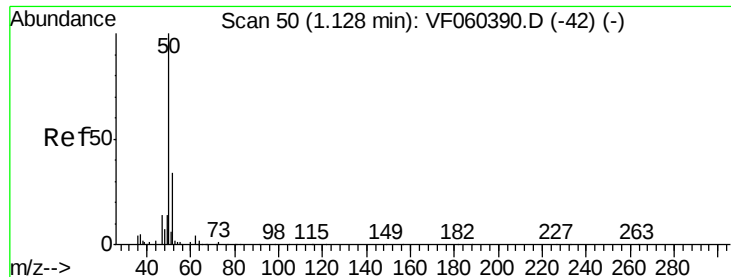
40000

20000

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Time-->





#3

Chloromethane

Concen: 46.493 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 196470

Ion Ratio Lower Upper

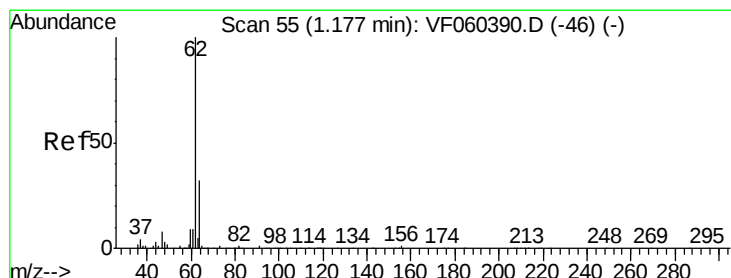
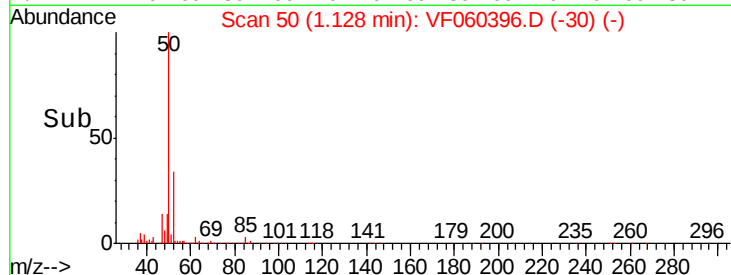
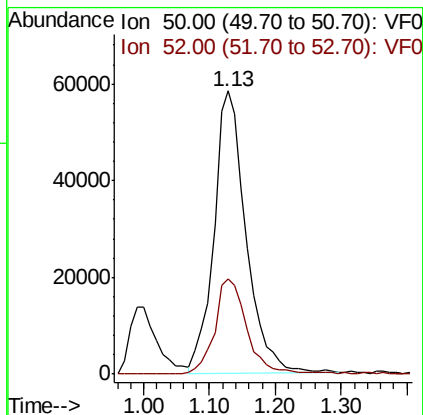
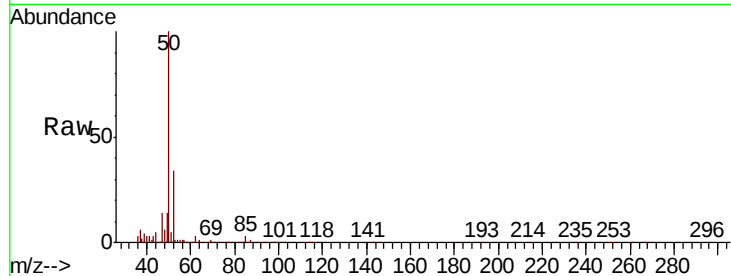
50 100

52 33.7 26.9 40.3

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#4

Vinyl Chloride

Concen: 45.722 ug/l

RT: 1.18 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060396.D

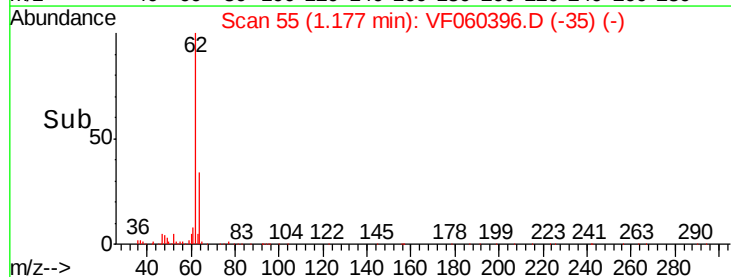
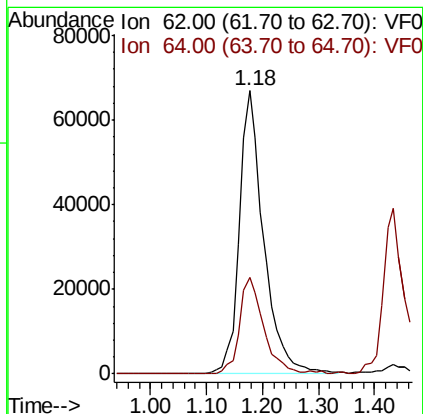
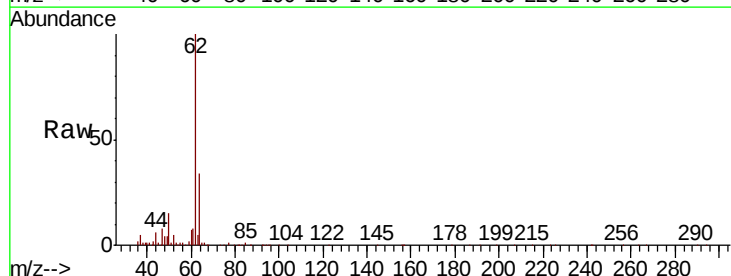
Acq: 2 Oct 2018 11:38

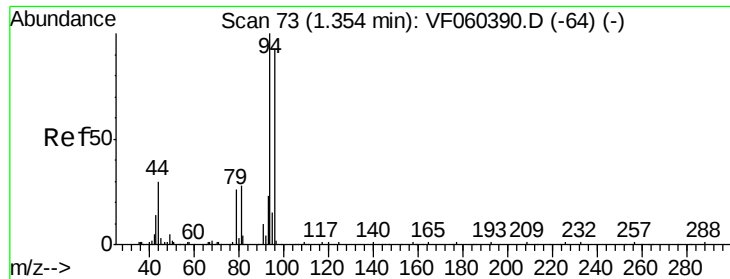
Tgt Ion: 62 Resp: 200993

Ion Ratio Lower Upper

62 100

64 34.0 25.8 38.6





#5

Bromomethane

Concen: 43.064 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 146635

Ion Ratio Lower Upper

94 100

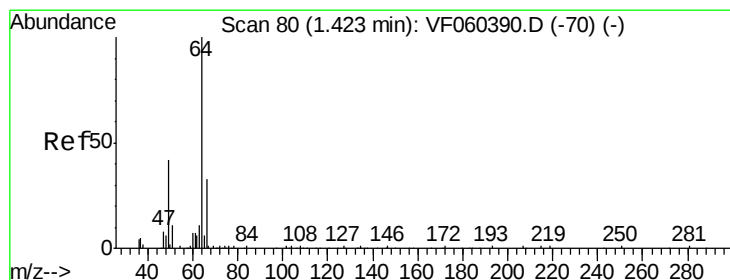
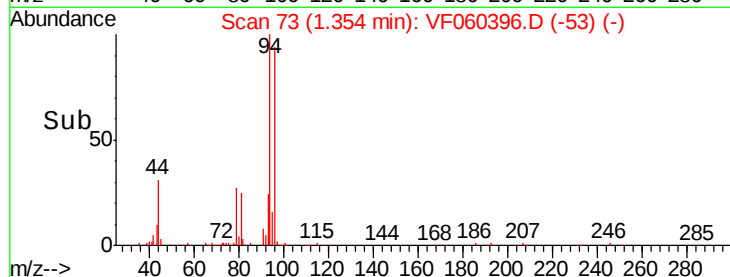
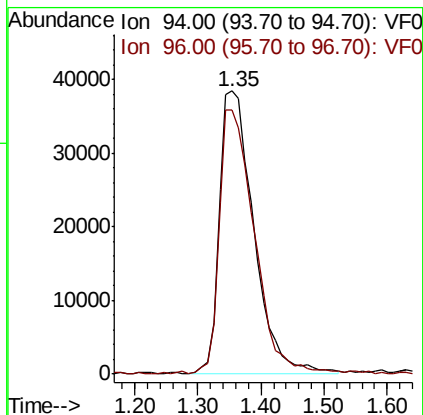
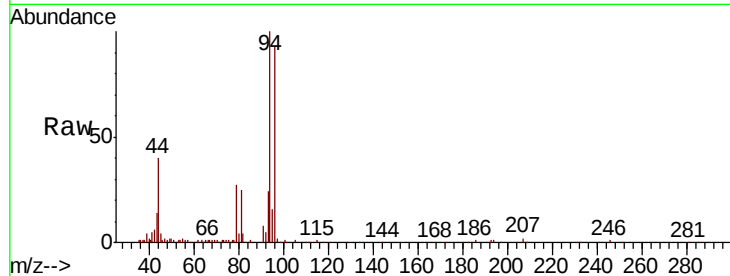
96 93.3 74.3 111.5

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#6

Chloroethane

Concen: 46.056 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060396.D

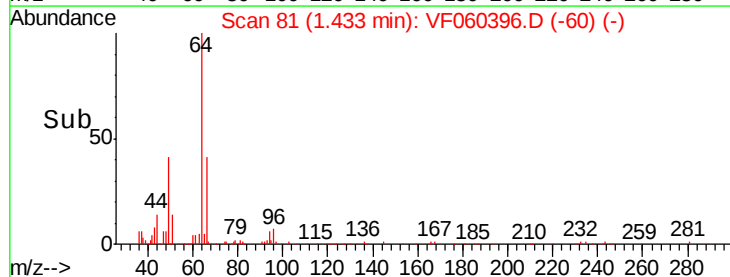
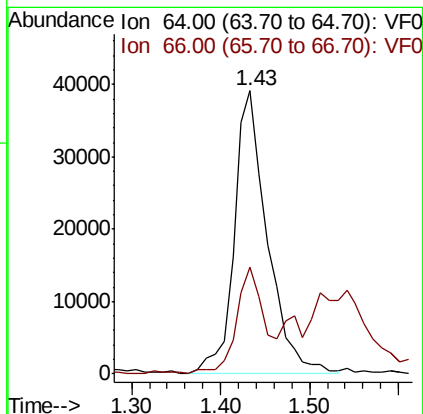
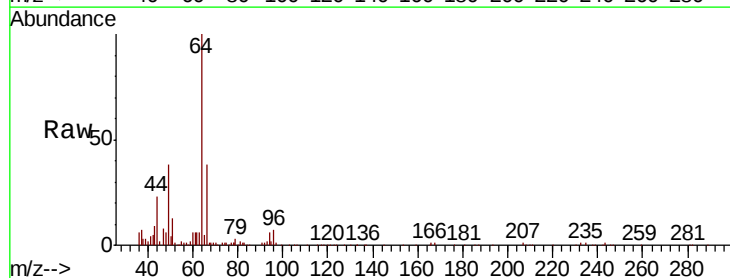
Acq: 2 Oct 2018 11:38

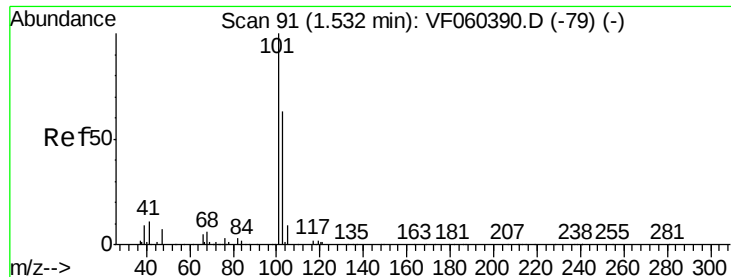
Tgt Ion: 64 Resp: 101034

Ion Ratio Lower Upper

64 100

66 37.6 26.3 39.5





#7

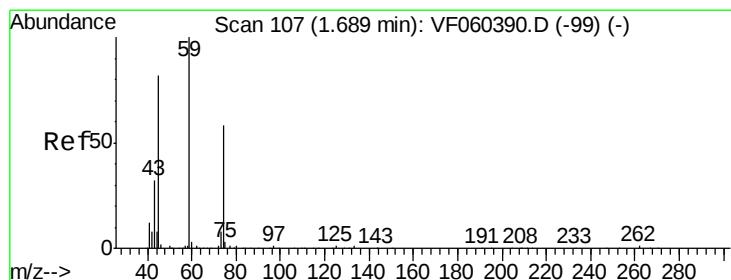
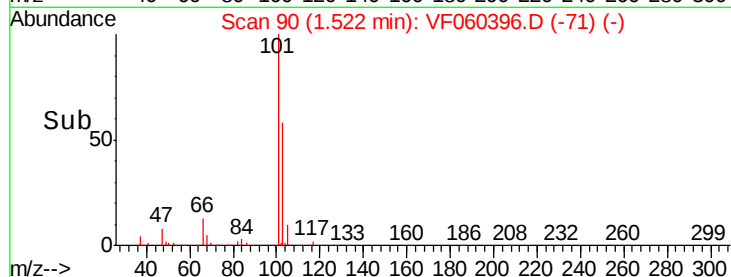
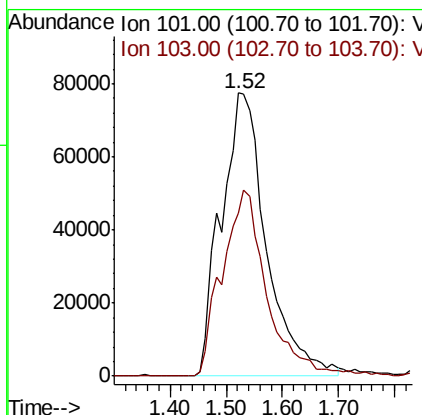
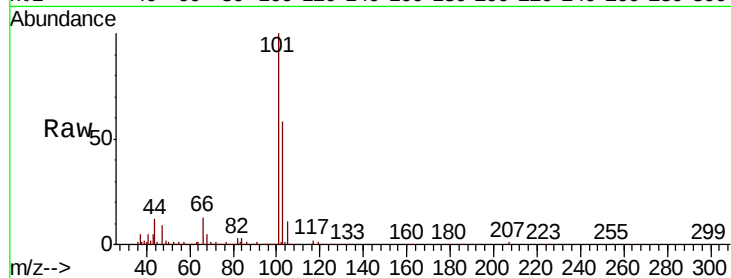
Trichlorofluoromethane
Concen: 42.647 ug/l
RT: 1.52 min Scan# 90
Delta R.T. -0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.6	51.0	76.4

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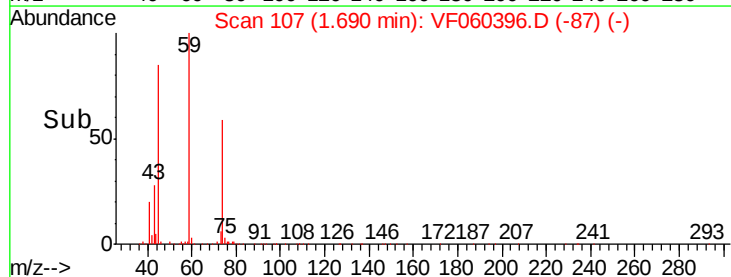
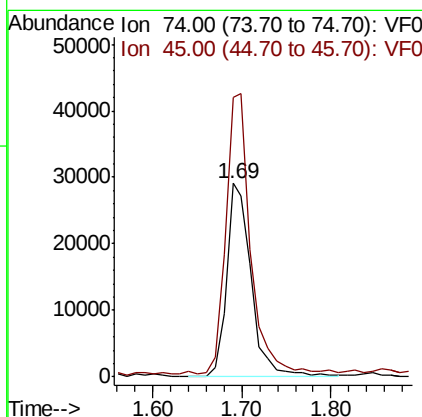
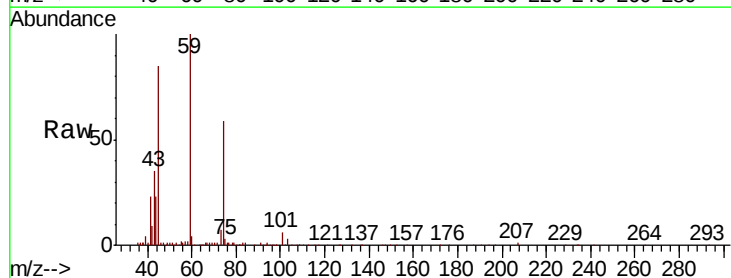
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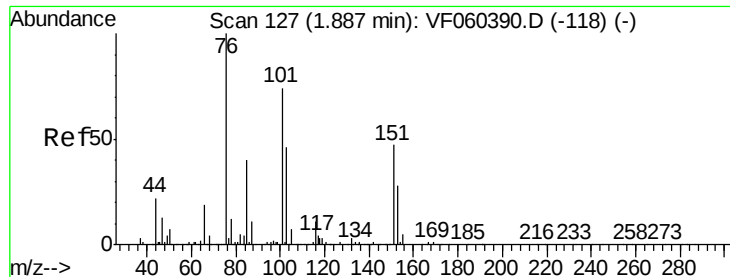


#8

Diethyl Ether
Concen: 40.787 ug/l
RT: 1.69 min Scan# 107
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.7	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.934 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

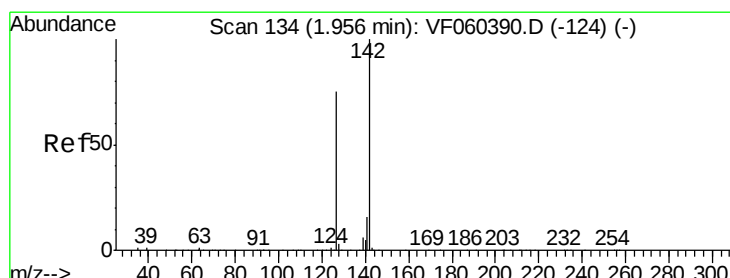
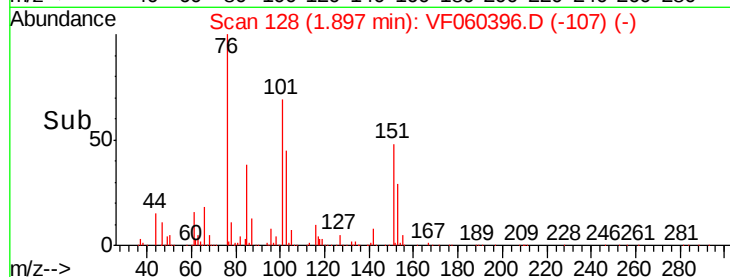
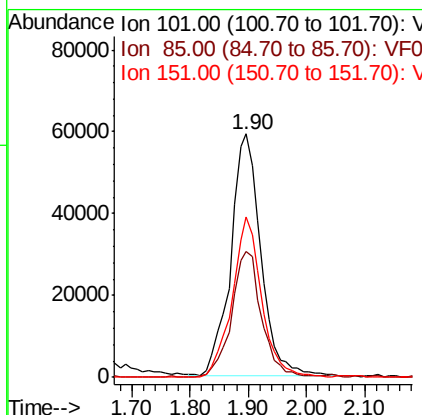
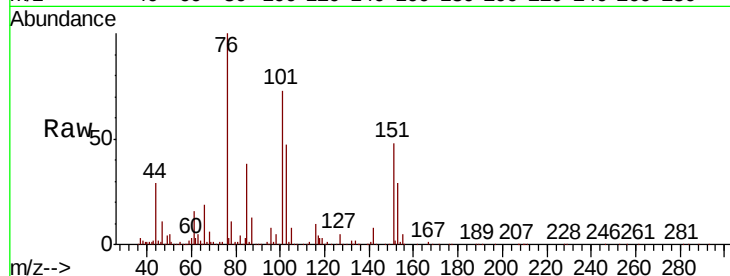
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	209753
Ion Ratio	Lower	Upper	
101	100		
85	51.8	42.5	63.7
151	65.8	49.8	74.8

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#10

Methyl Iodide

Concen: 47.202 ug/l

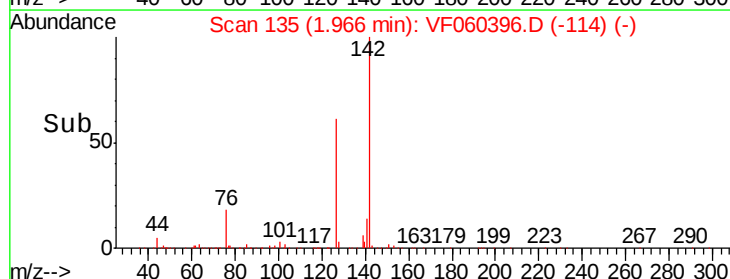
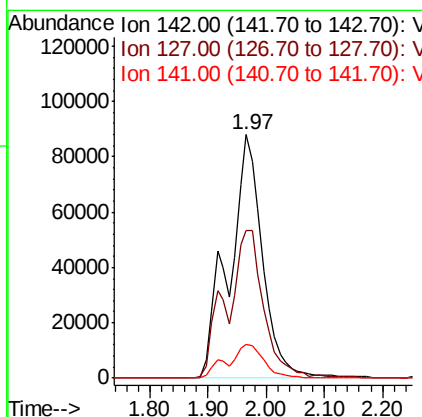
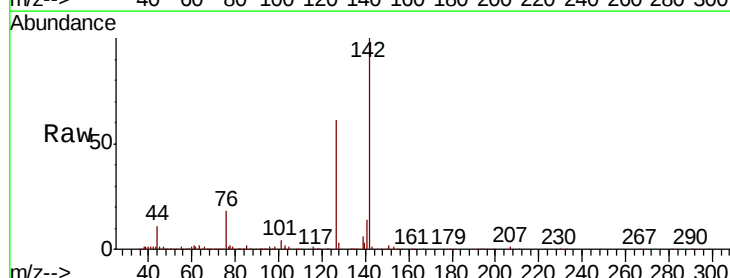
RT: 1.97 min Scan# 135

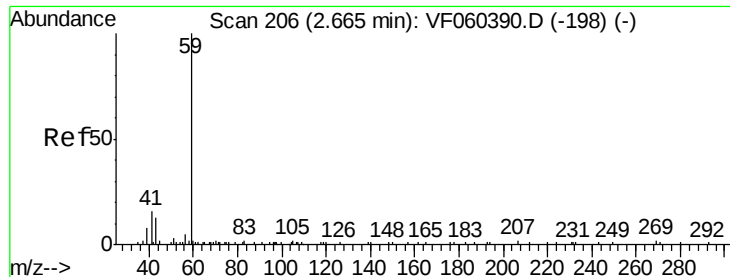
Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	142	Resp:	351669
Ion Ratio	Lower	Upper	
142	100		
127	60.8	60.2	90.2
141	14.1	13.1	19.7





#11

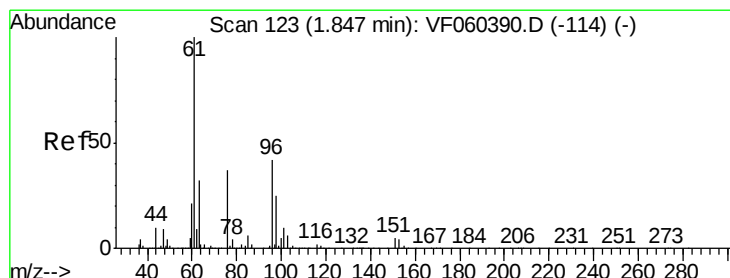
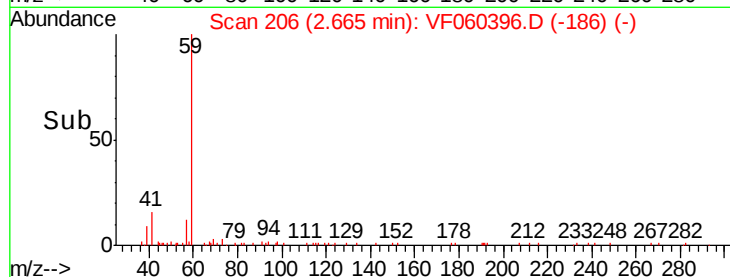
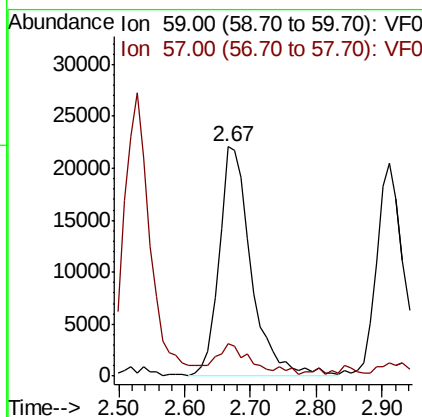
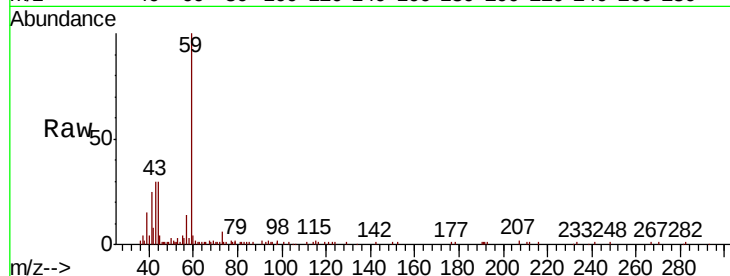
Tert butyl alcohol
Concen: 255.262 ug/l
RT: 2.67 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.1	6.5	9.7#

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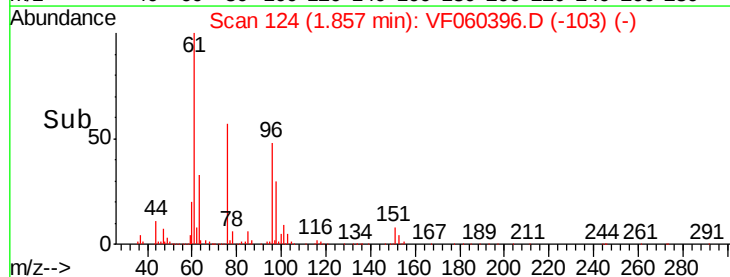
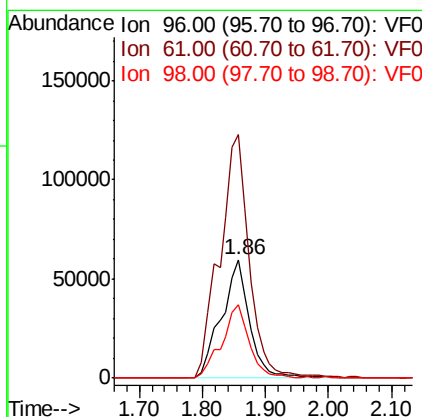
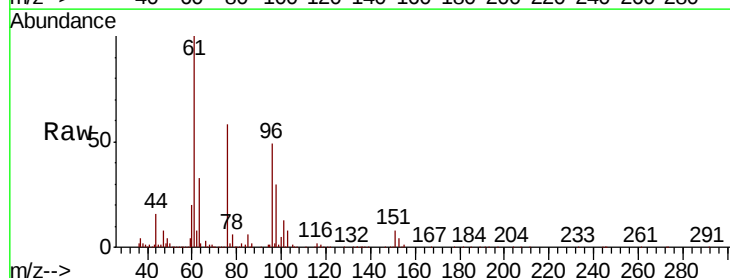
apatel
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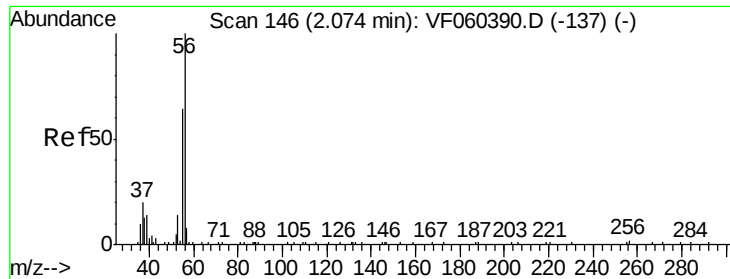


#12

1,1-Dichloroethene
Concen: 48.282 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	205.7	189.4	284.0
98	61.6	47.8	71.6





#13

Acrolein

Concen: 226.800 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53724

Ion Ratio Lower Upper

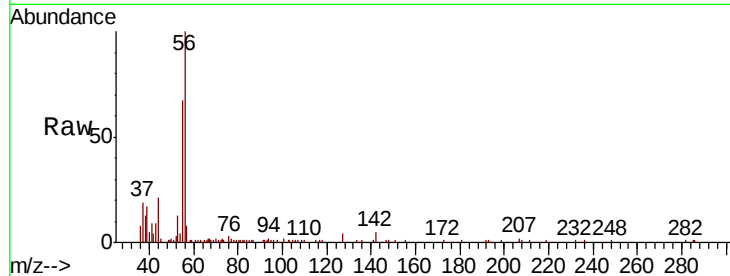
56 100

55 67.1 53.9 80.9

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

25000

20000

15000

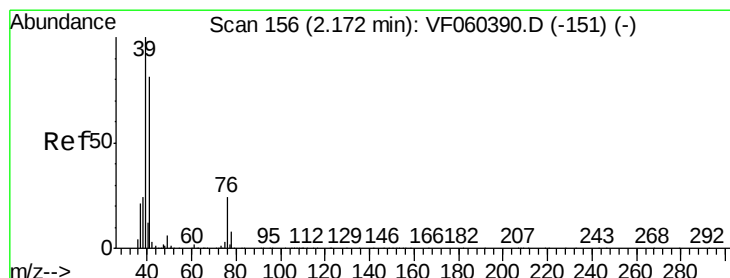
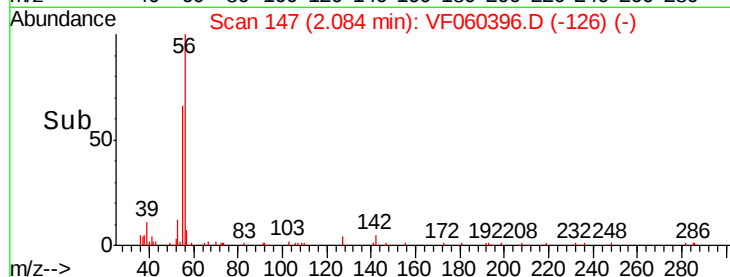
10000

5000

0

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 49.399 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

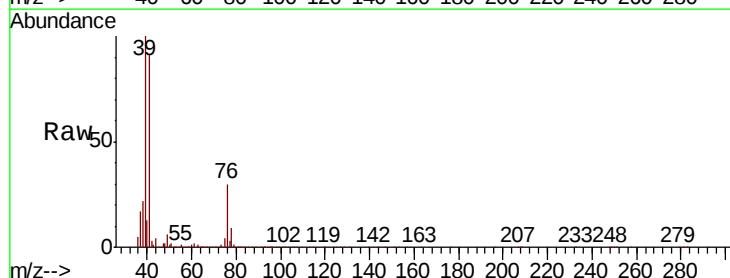
Tgt Ion: 41 Resp: 298795

Ion Ratio Lower Upper

41 100

39 109.9 98.3 147.5

76 33.5 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

200000

150000

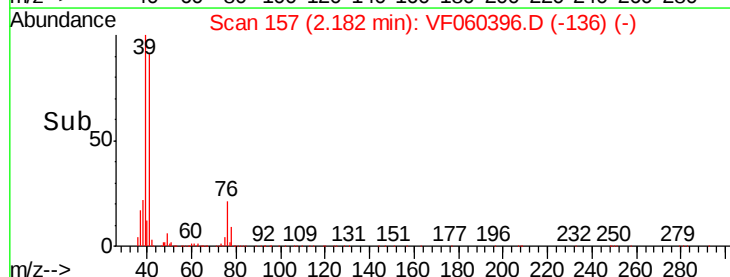
100000

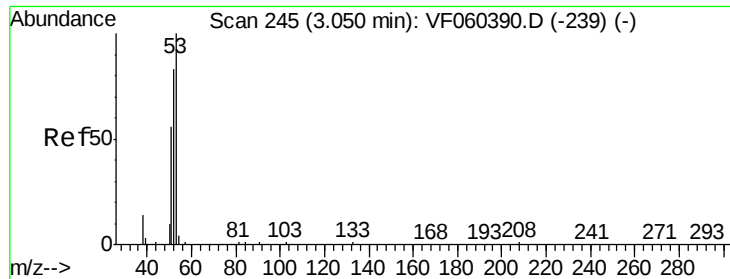
50000

0

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 257.985 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

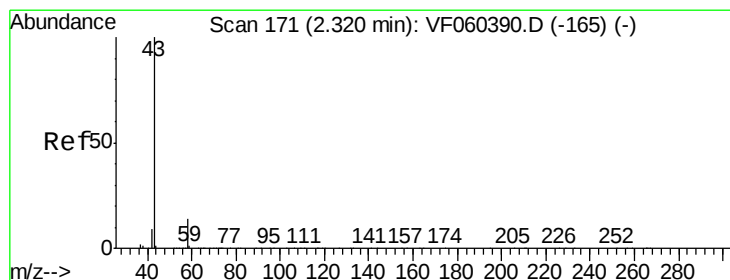
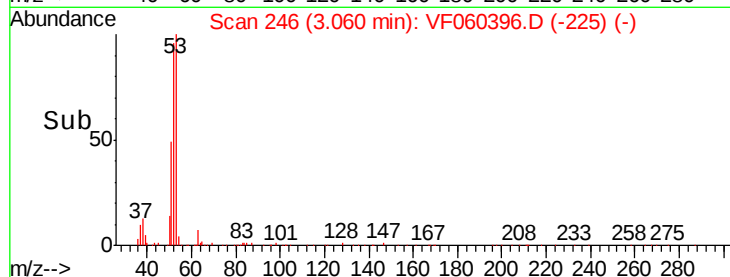
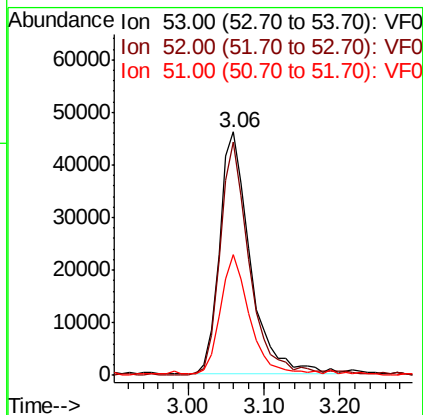
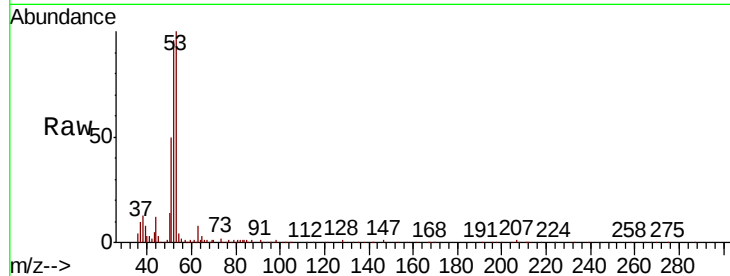
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	130207
Ion Ratio		Lower	Upper
53	100		
52	95.8	66.0	99.0
51	49.8	45.6	68.4

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#16

Acetone

Concen: 287.957 ug/l

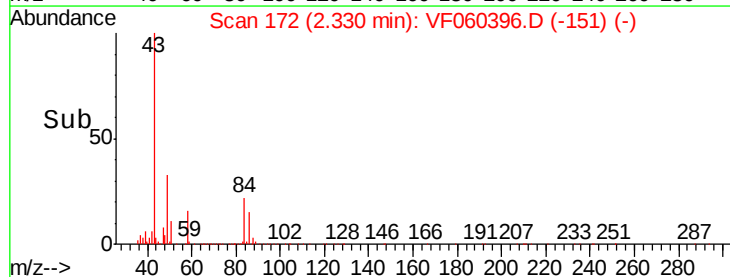
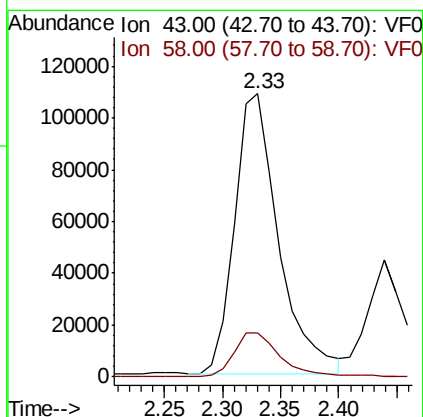
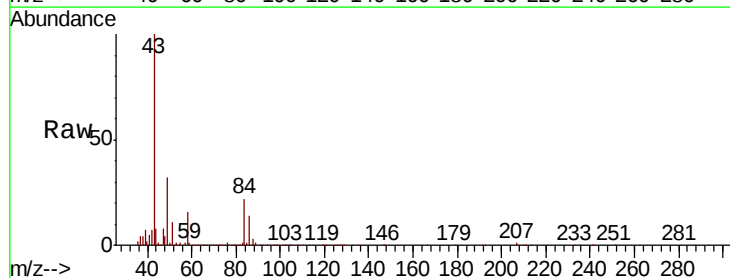
RT: 2.33 min Scan# 172

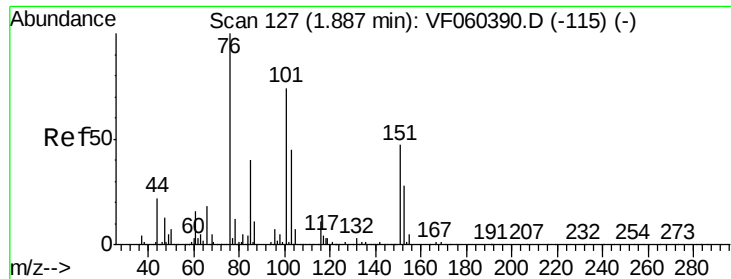
Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	43	Resp:	285221
Ion Ratio		Lower	Upper
43	100		
58	15.7	11.2	16.8





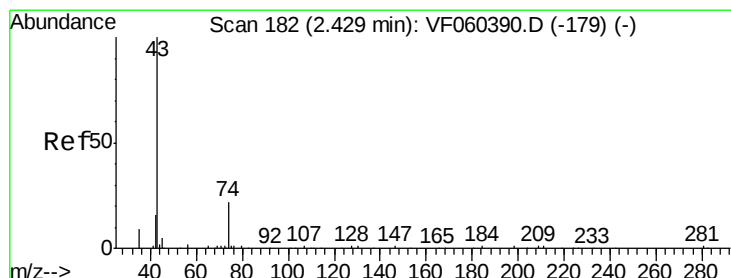
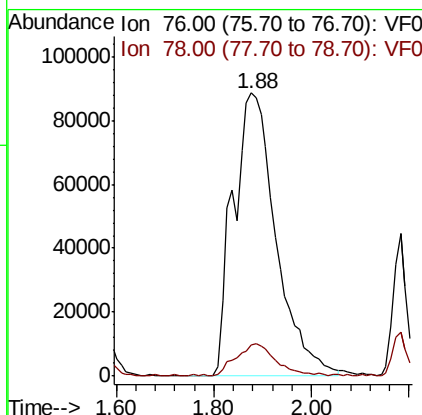
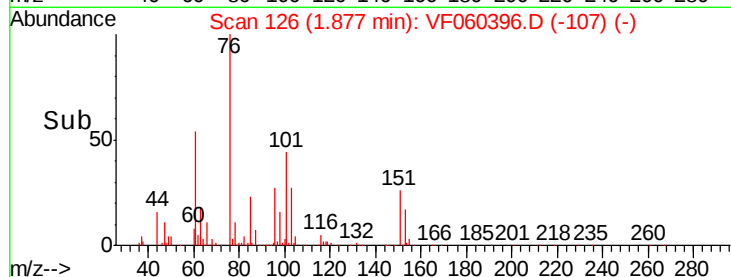
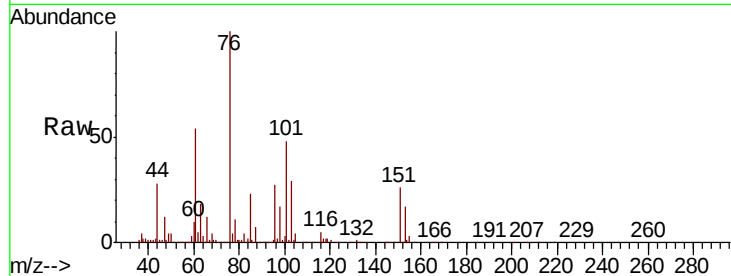
#17
Carbon Disulfide
Concen: 47.569 ug/l
RT: 1.88 min Scan# 126
Delta R.T. -0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 543740
Ion Ratio Lower Upper
76 100
78 10.9 10.1 15.1

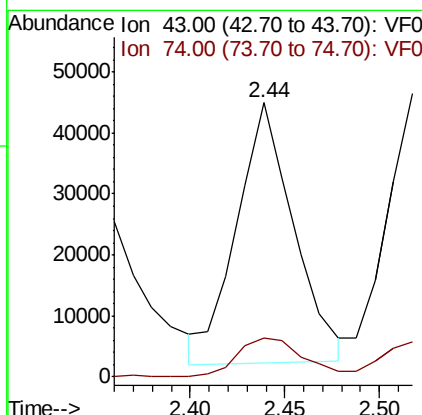
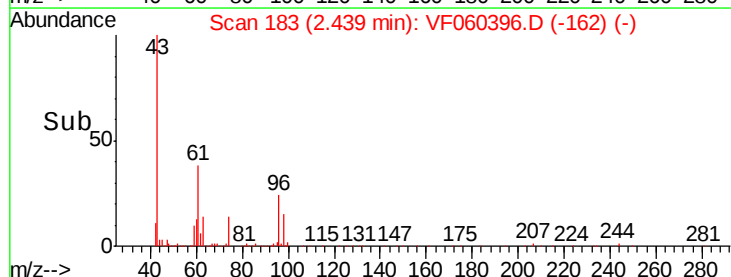
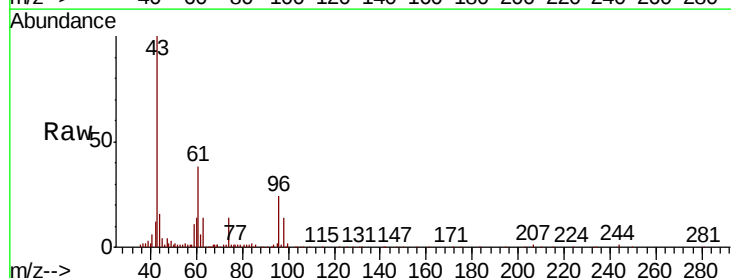
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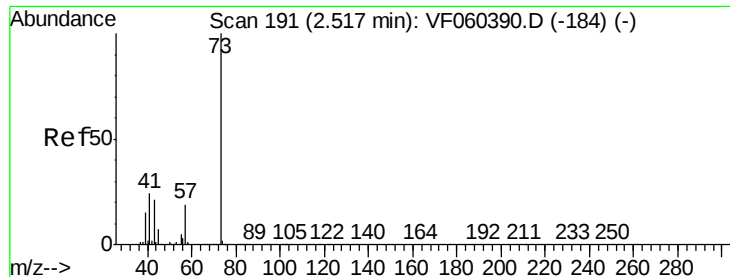
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#18
Methyl Acetate
Concen: 48.918 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion: 43 Resp: 89597
Ion Ratio Lower Upper
43 100
74 14.1 15.8 23.8#





#19

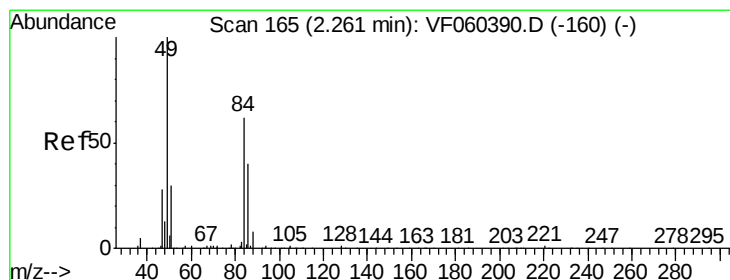
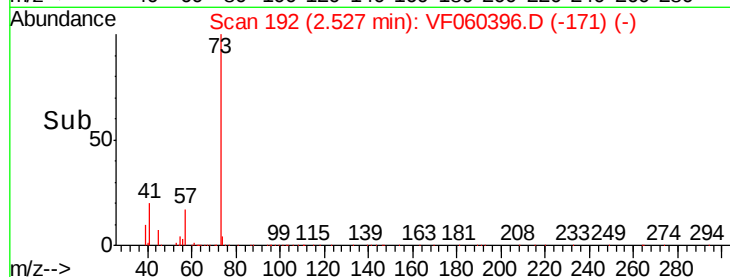
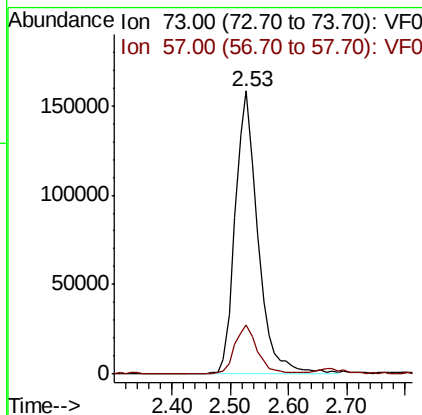
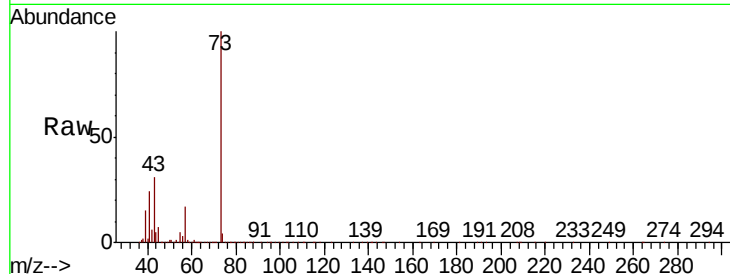
Methyl tert-butyl Ether
 Concen: 46.566 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	15.9	23.9

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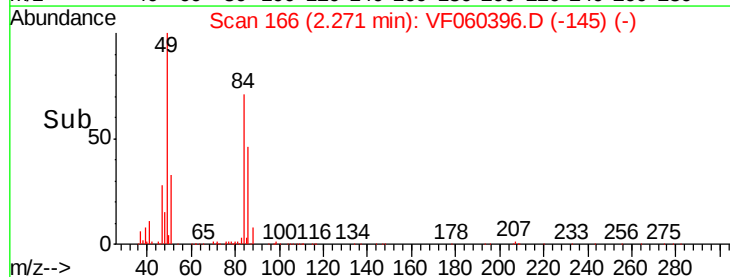
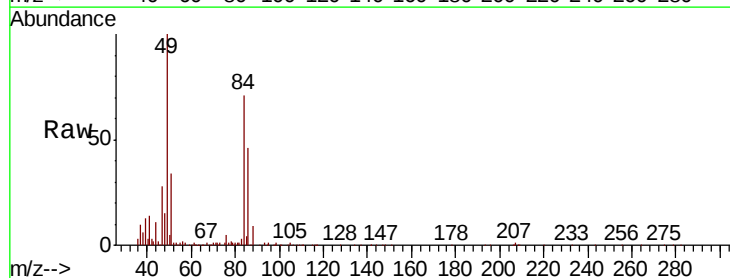
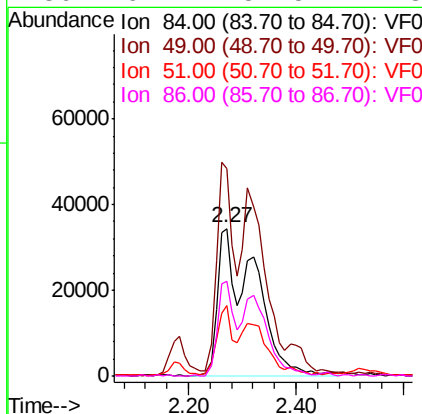
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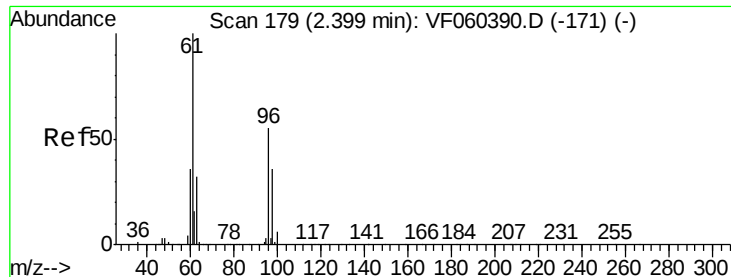


#20

Methylene Chloride
 Concen: 46.296 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.7	130.2	195.2
51	47.5	41.0	61.6
86	64.2	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 48.690 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

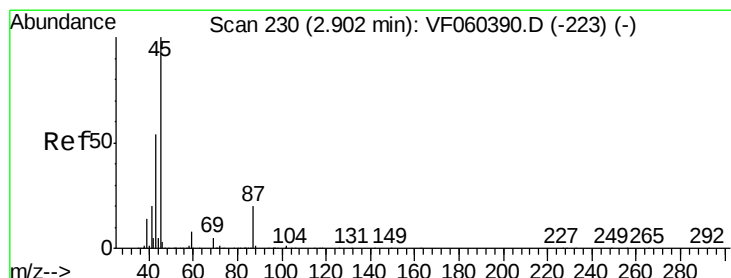
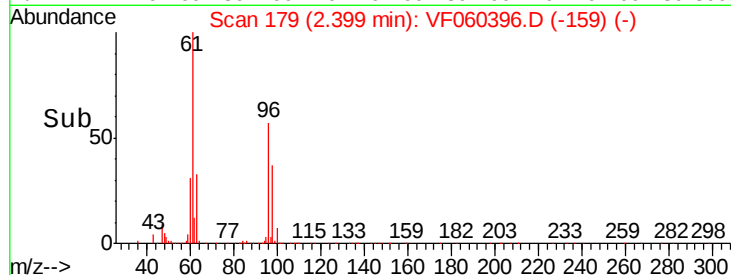
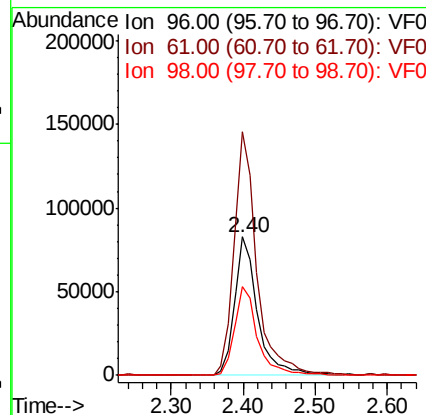
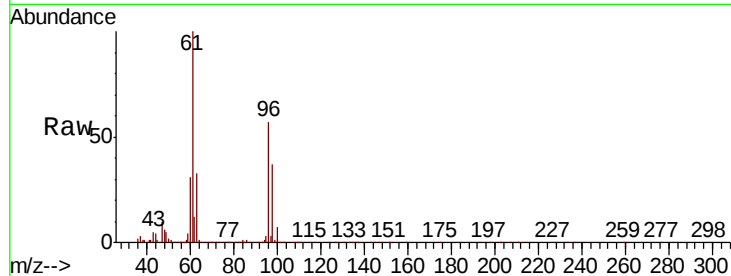
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	183562
Ion Ratio	Lower	Upper	
96	100		
61	176.2	146.2	219.2
98	64.4	52.6	78.8

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#22

Diisopropyl ether

Concen: 51.247 ug/l

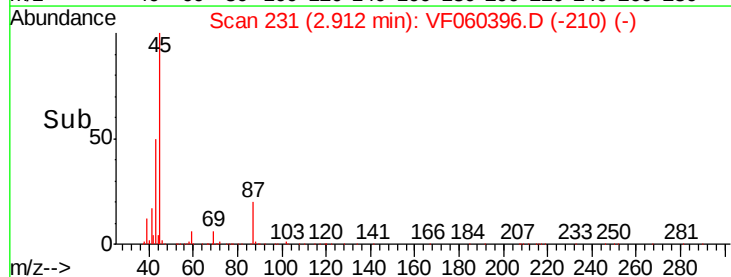
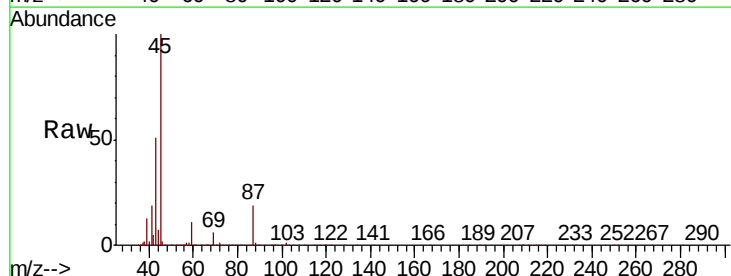
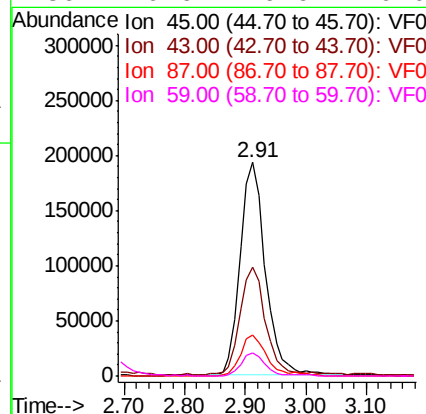
RT: 2.91 min Scan# 231

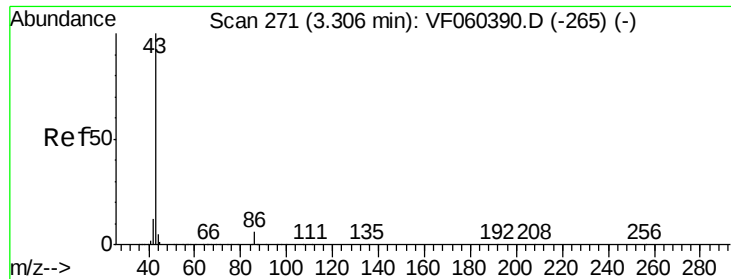
Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	45	Resp:	562630
Ion Ratio	Lower	Upper	
45	100		
43	51.1	43.8	65.8
87	19.4	16.3	24.5
59	10.6	6.6	10.0#





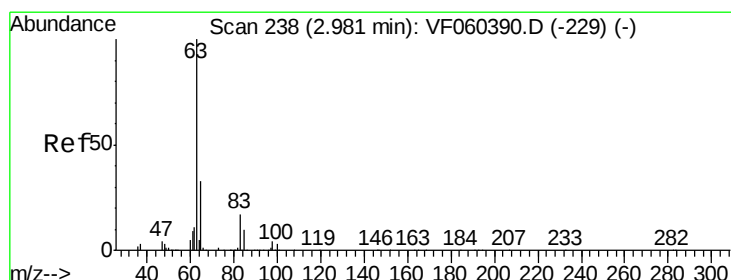
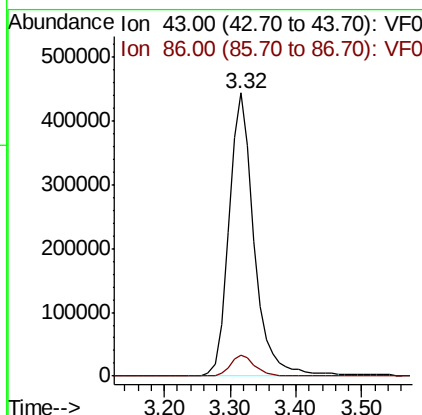
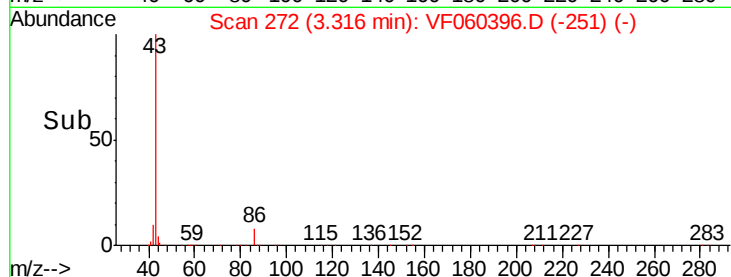
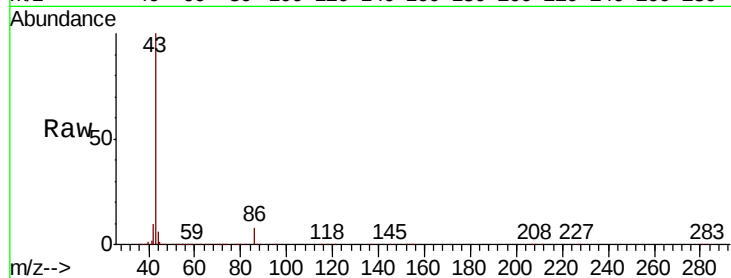
#23
 Vinyl Acetate
 Concen: 269.519 ug/l
 RT: 3.32 min Scan# 272
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1175422
 Ion Ratio Lower Upper
 43 100
 86 7.6 5.1 7.7

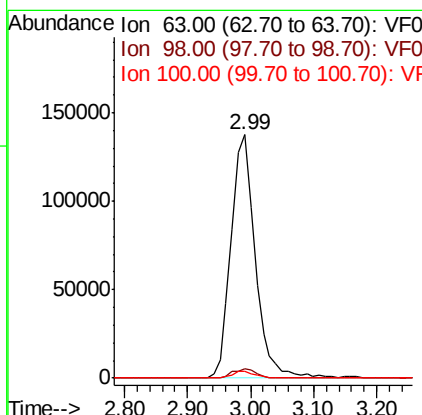
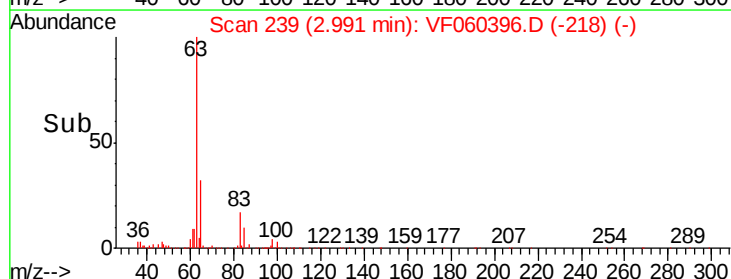
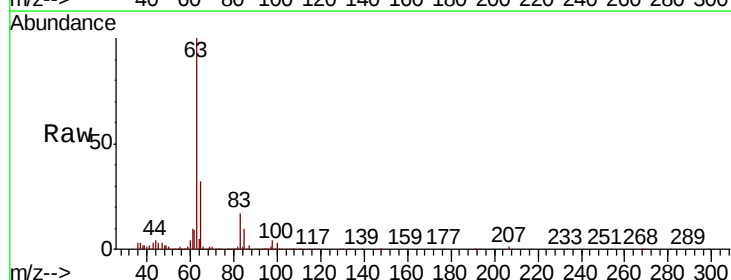
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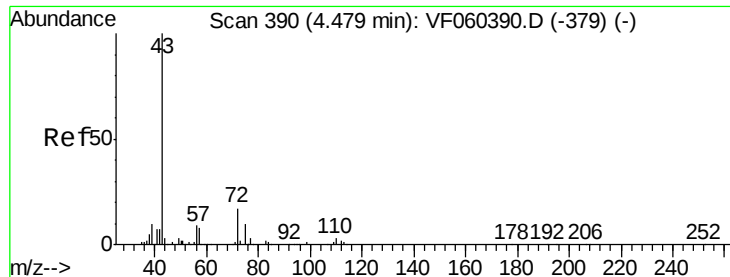
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#24
 1,1-Dichloroethane
 Concen: 49.355 ug/l
 RT: 2.99 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion: 63 Resp: 366428
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.0 5.8
 100 2.6 1.4 4.2





#25

2-Butanone

Concen: 276.593 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 348756

Ion Ratio Lower Upper

43 100

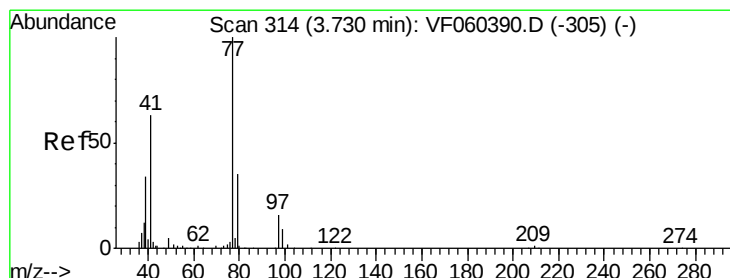
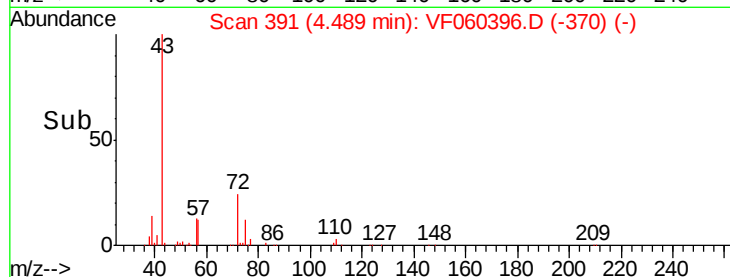
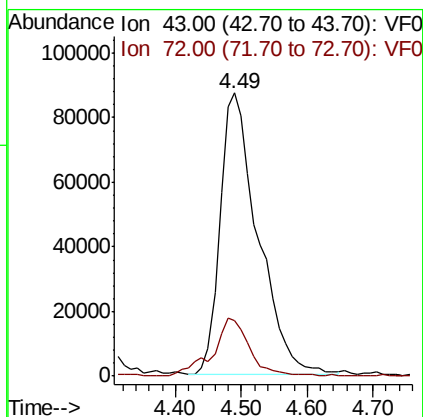
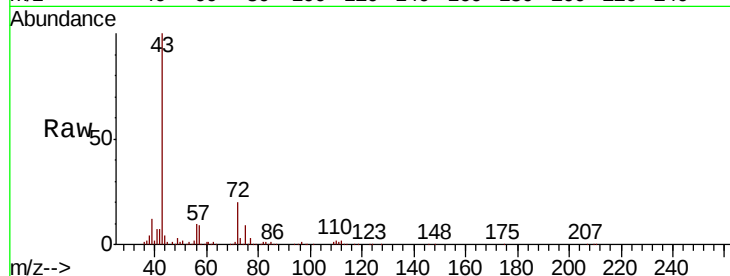
72 19.8 14.1 21.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.706 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060396.D

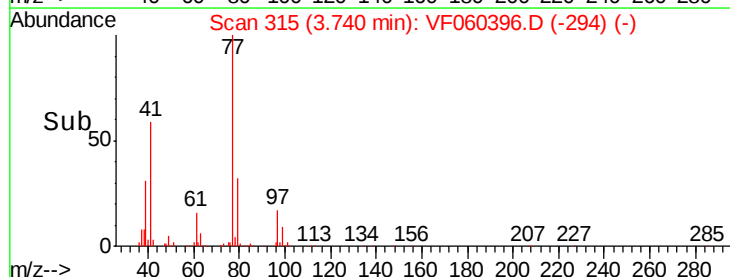
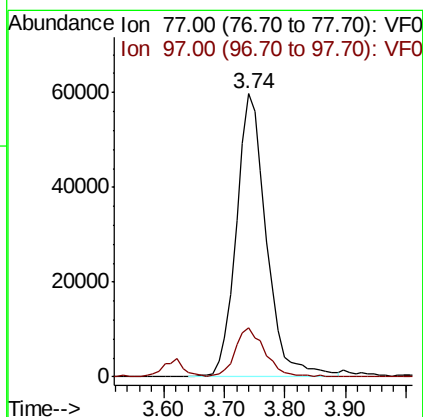
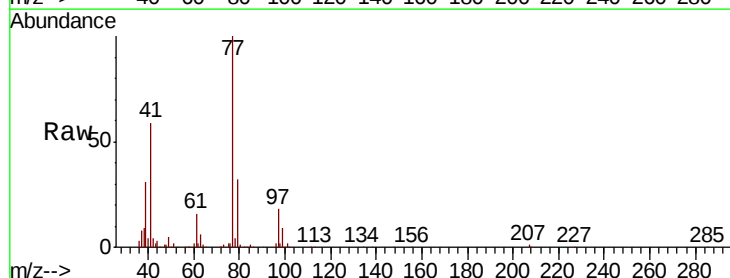
Acq: 2 Oct 2018 11:38

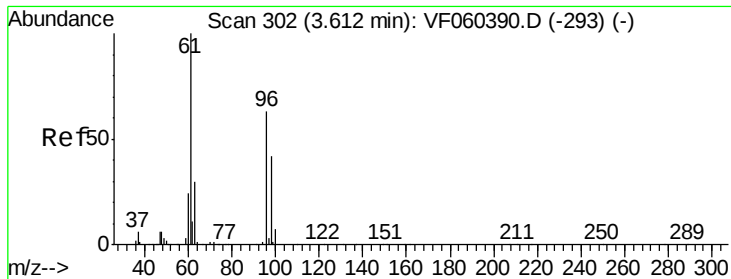
Tgt Ion: 77 Resp: 204809

Ion Ratio Lower Upper

77 100

97 17.5 8.3 25.1





#27

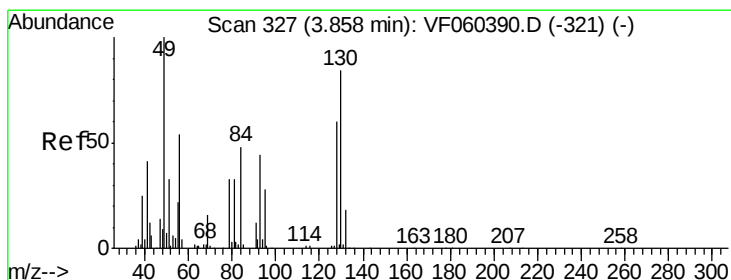
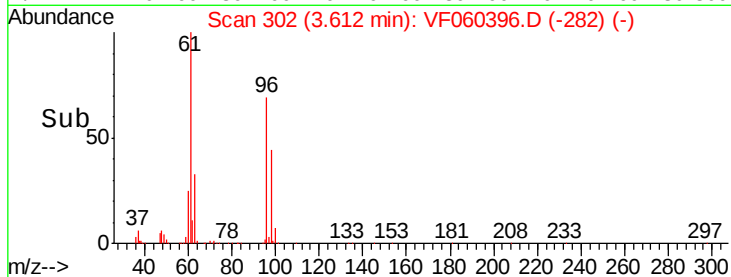
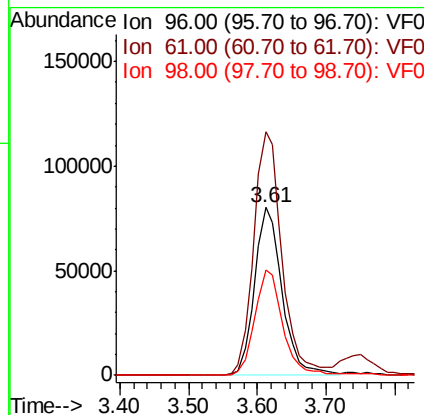
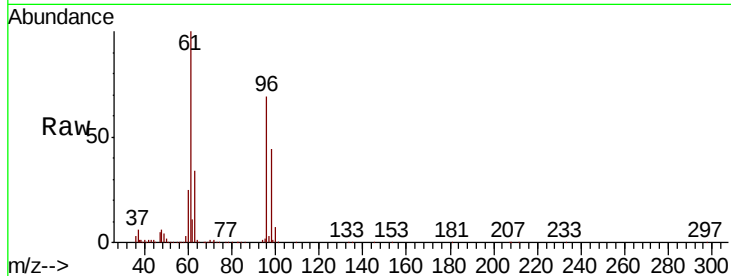
cis-1,2-Dichloroethene
Concen: 53.164 ug/l
RT: 3.61 min Scan# 302
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	224097		
61	145.4	0.0	318.2	
98	63.3	0.0	134.0	

Manual Integrations
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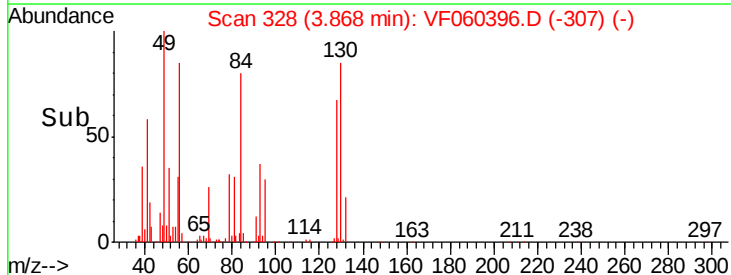
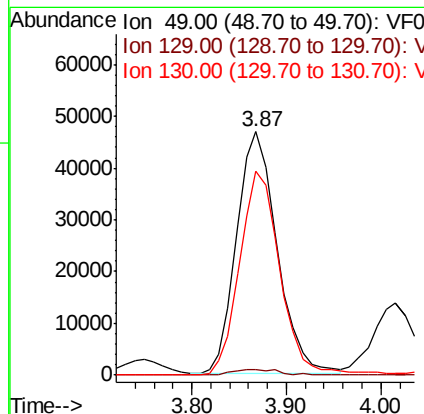
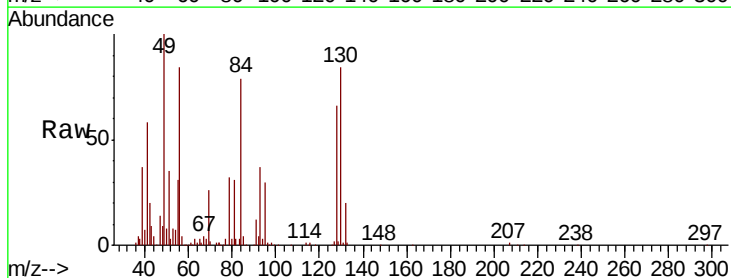
apatel
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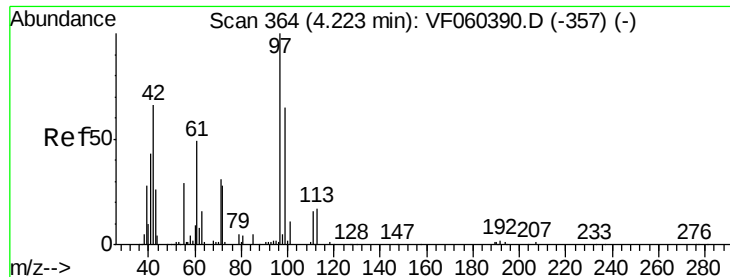


#28

Bromochloromethane
Concen: 51.050 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139686		
129	2.2	0.0	4.6	
130	83.8	67.3	100.9	





#29

Tetrahydrofuran

Concen: 280.117 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

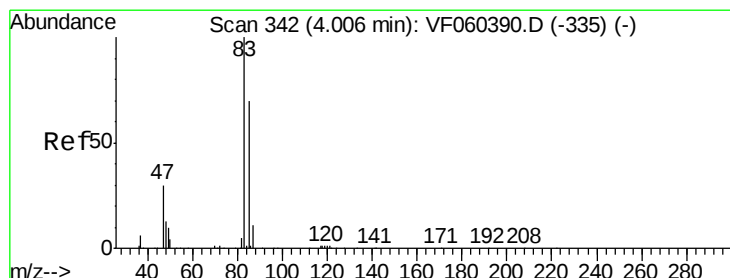
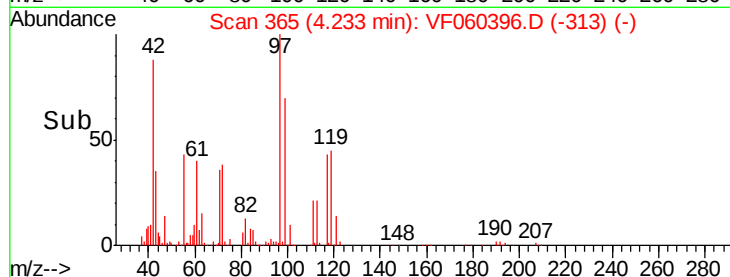
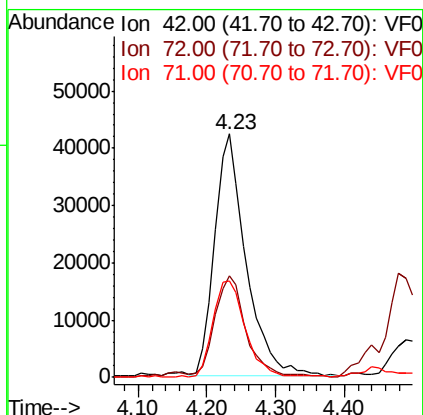
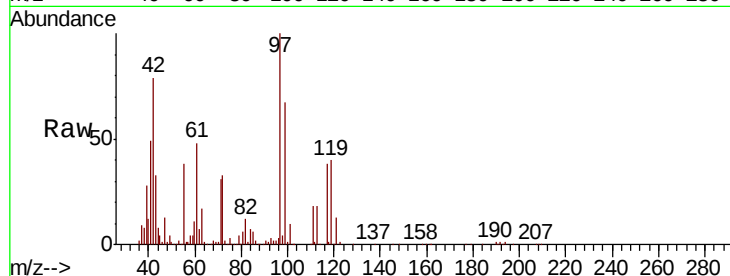
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	132788
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.6	50.4
71	42.1	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 47.334 ug/l

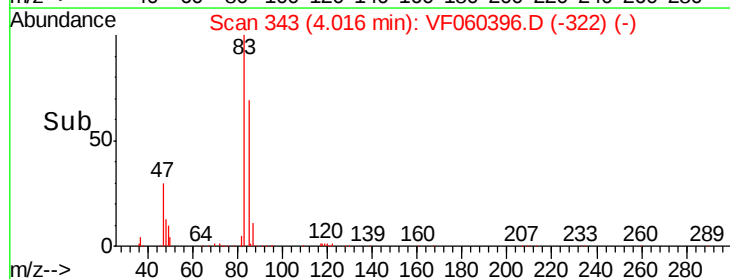
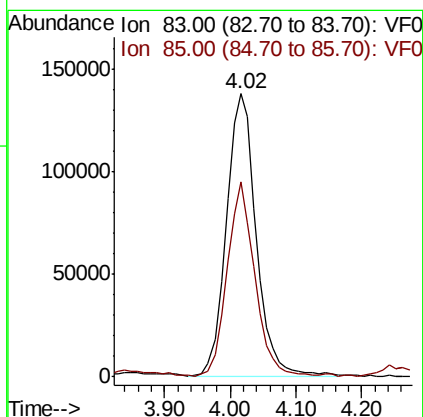
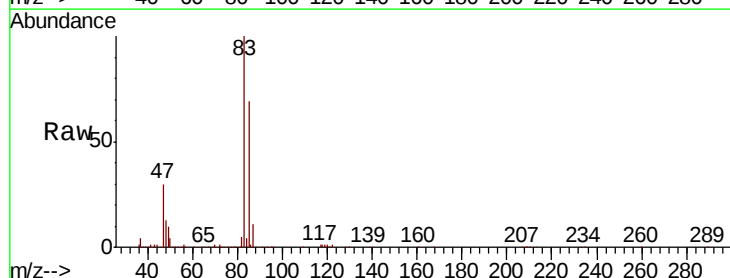
RT: 4.02 min Scan# 343

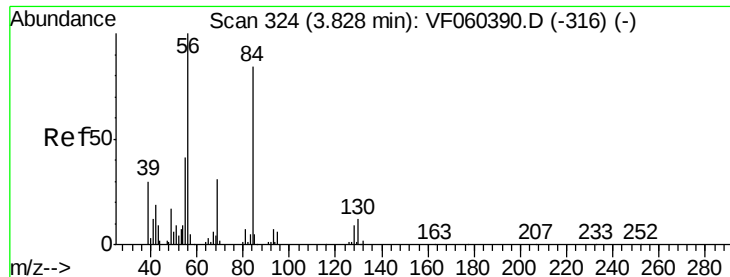
Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	83	Resp:	433639
Ion	Ratio	Lower	Upper
83	100		
85	69.0	55.9	83.9





#31

Cvclohexane

Concen: 53.361 ug/l

RT: 3.84 min Scan# 325

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

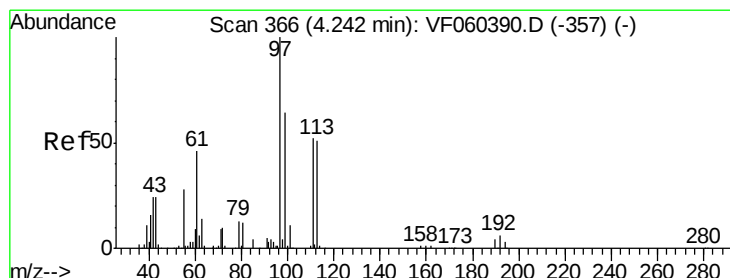
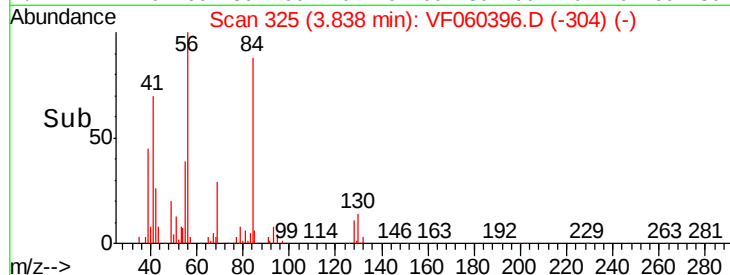
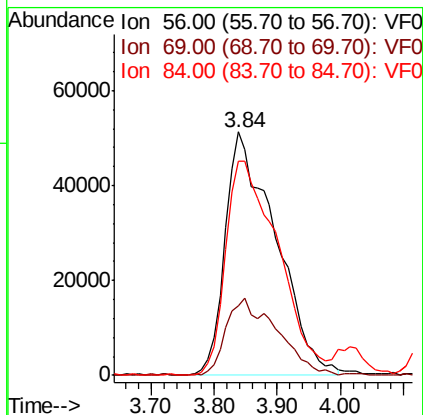
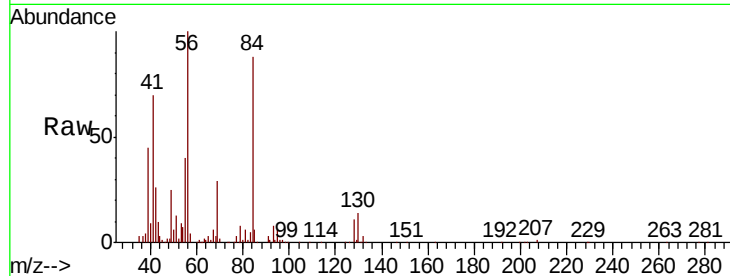
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	284481
Ion Ratio	Lower	Upper	
56	100		
69	28.8	25.5	38.3
84	88.0	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.594 ug/l

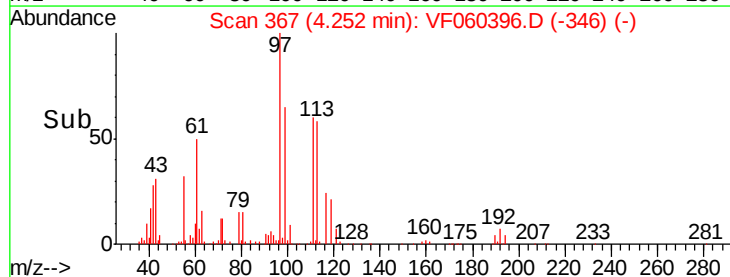
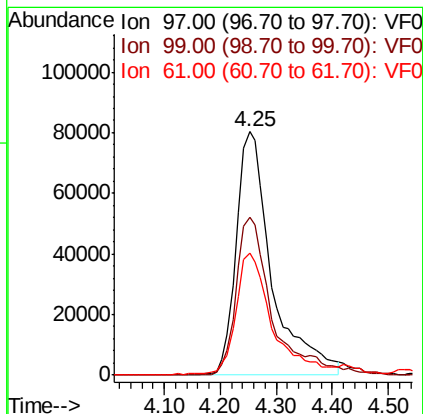
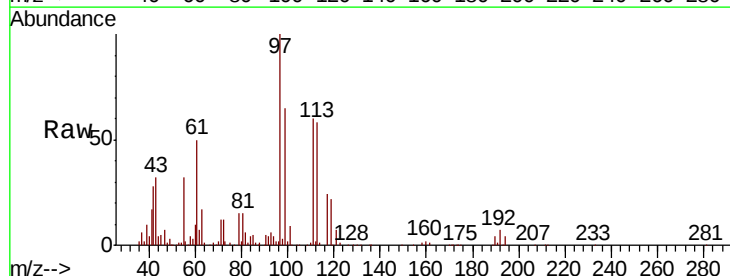
RT: 4.25 min Scan# 367

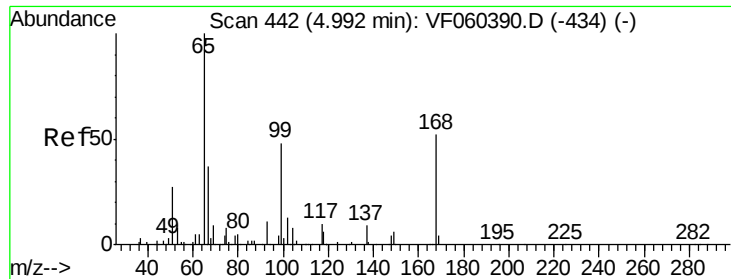
Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	97	Resp:	355203
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.0	76.4
61	49.9	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 48.093 ug/l

RT: 4.99 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 234191

Ion Ratio Lower Upper

65 100

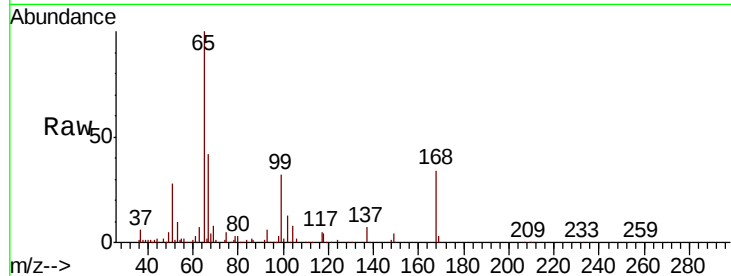
67 42.3 0.0 89.4

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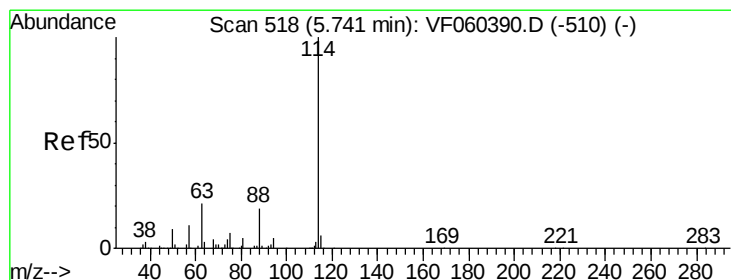
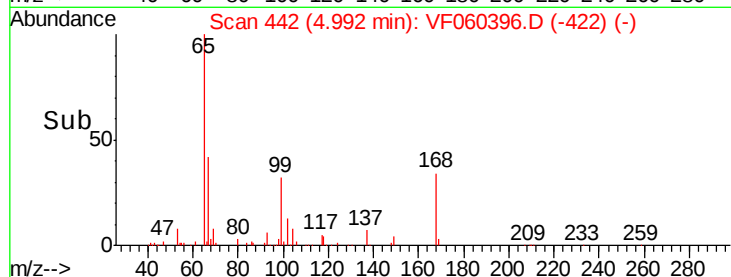
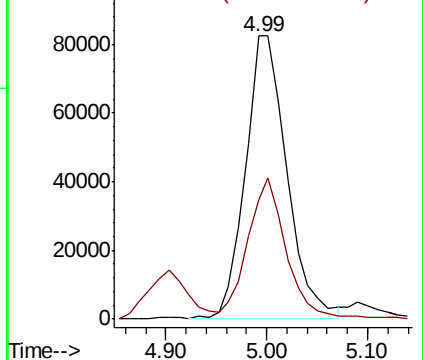
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

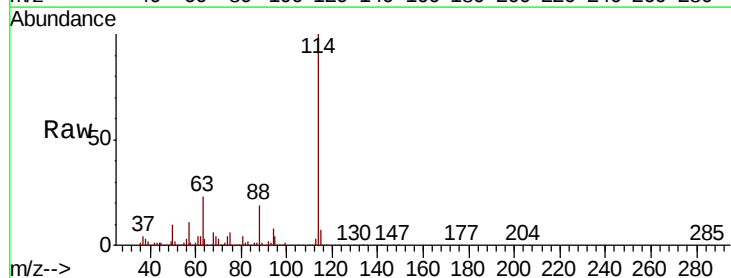
Tgt Ion: 114 Resp: 508742

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

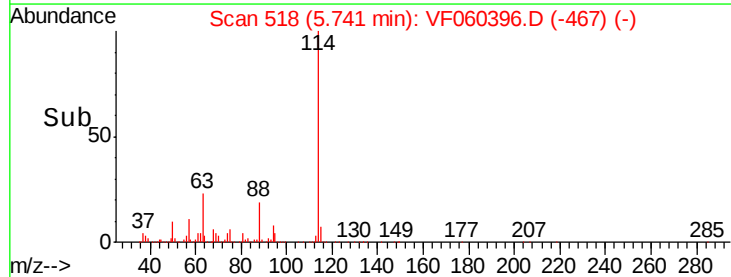
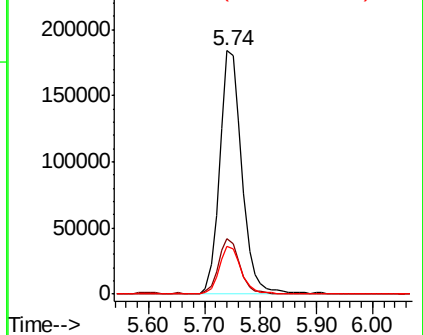
88 19.4 0.0 38.8

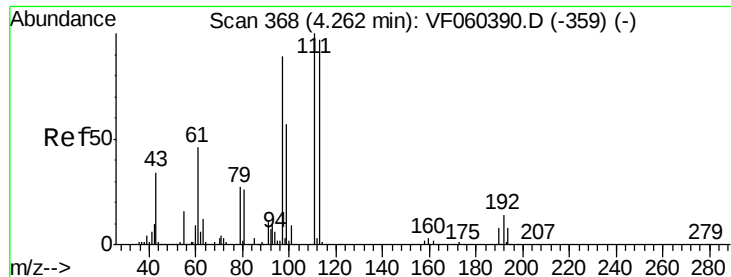


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





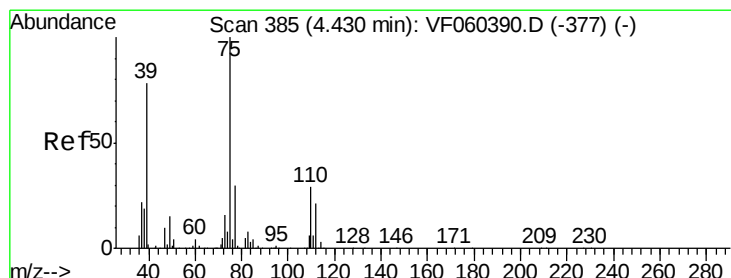
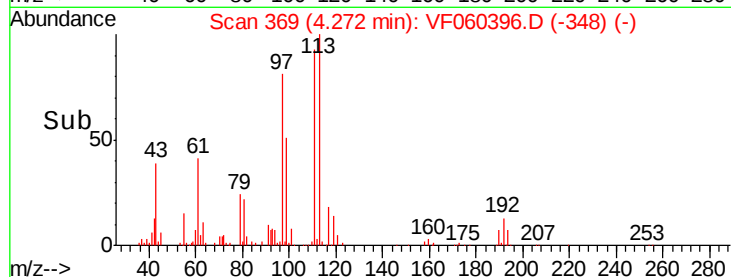
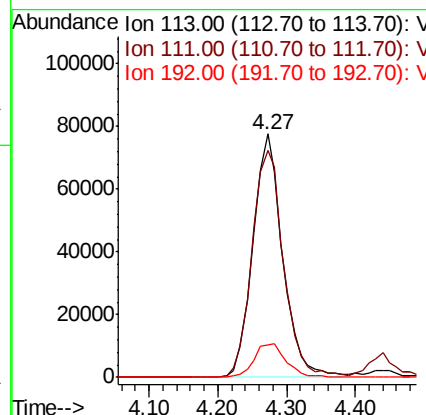
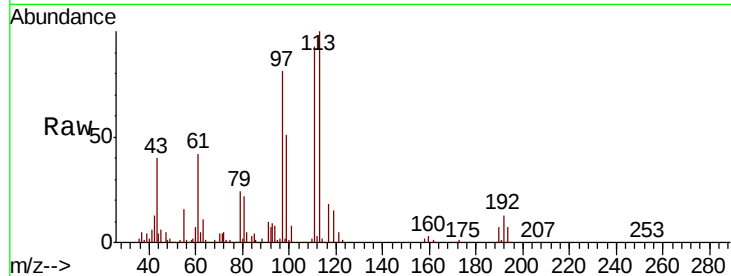
#35
 Dibromofluoromethane
 Concen: 48.857 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	233503		
111	93.0	82.3	123.5	
192	13.3	11.8	17.6	

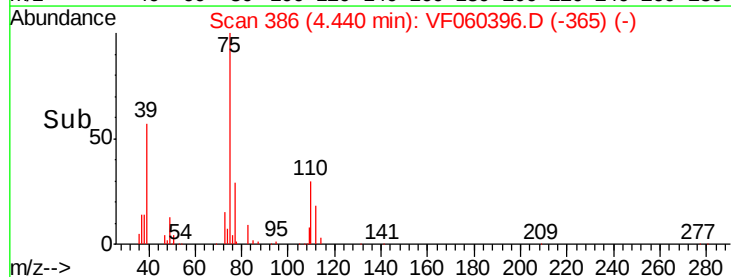
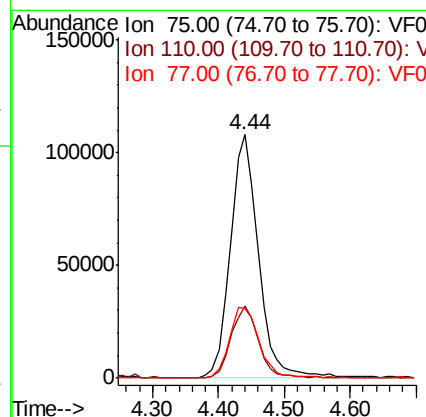
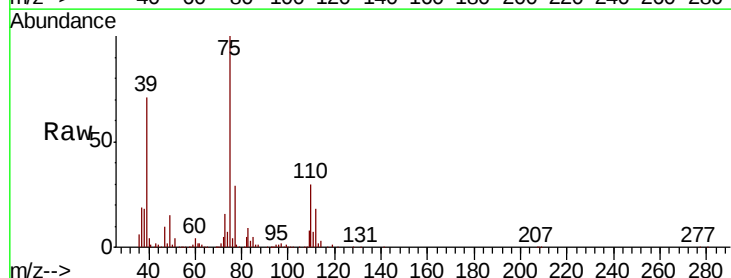
Manual Integrations
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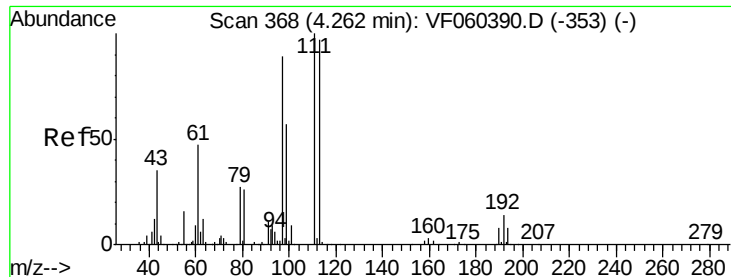
apatel
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#36
 1,1-Dichloropropene
 Concen: 51.619 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	323775		
110	29.5	14.5	43.6	
77	28.6	24.3	36.5	





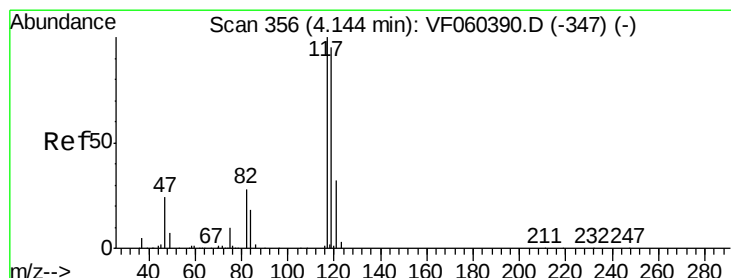
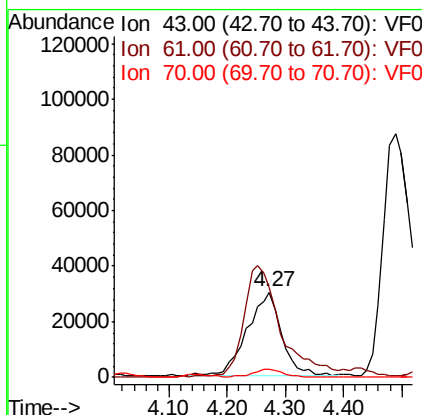
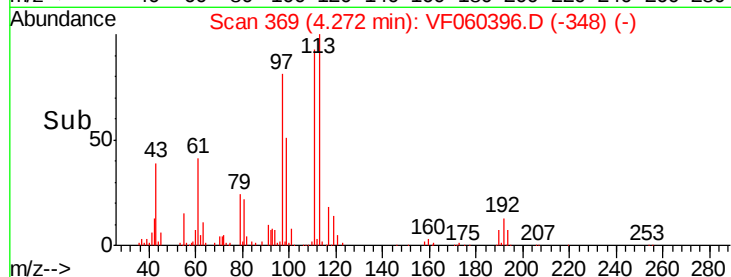
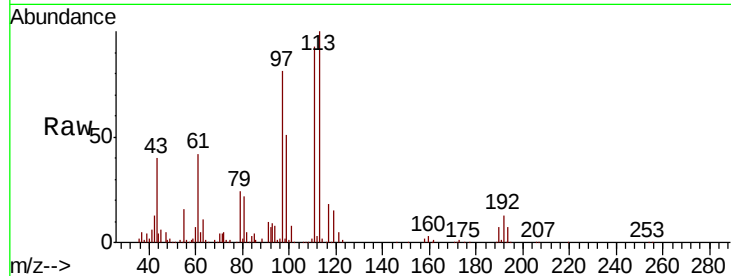
#37
Ethyl Acetate
Concen: 52.371 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	104.8	105.1	157.7#
70	9.8	8.0	12.0

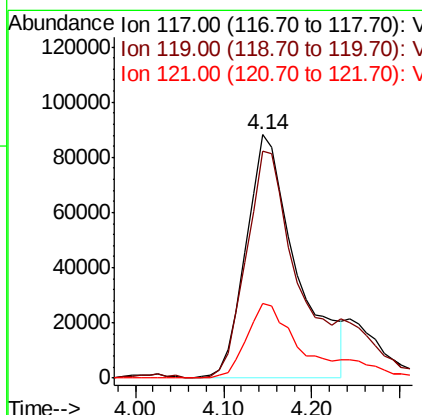
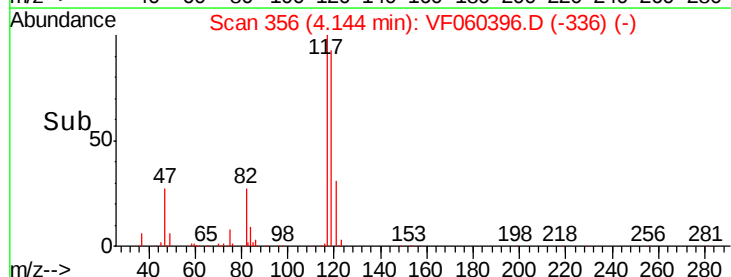
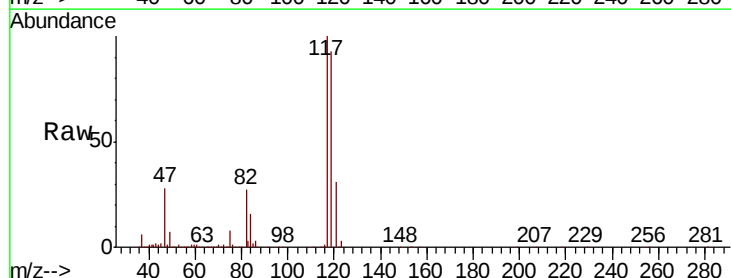
Manual Integrations
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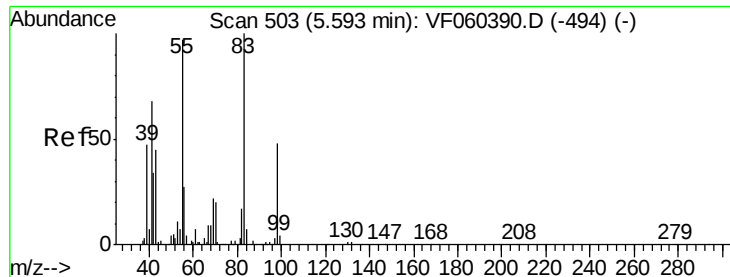
apatel
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#38
Carbon Tetrachloride
Concen: 46.038 ug/l m
RT: 4.14 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.5	113.3
121	30.9	25.4	38.0





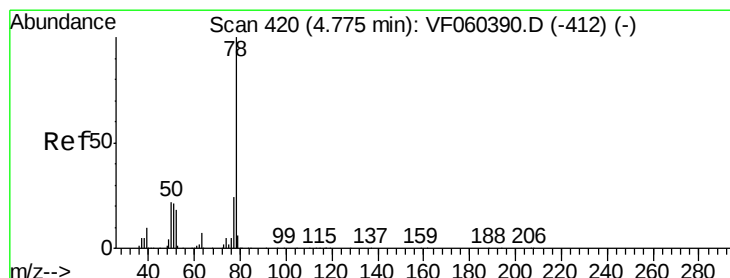
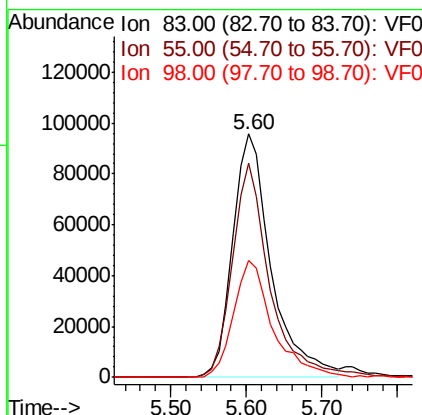
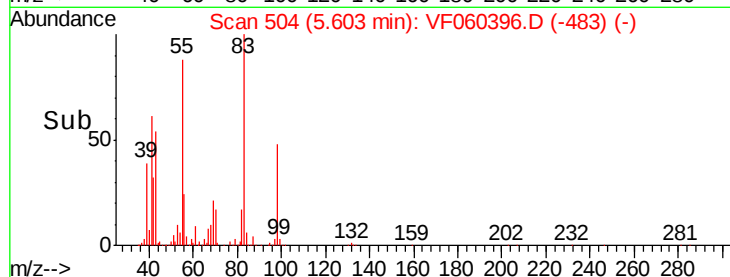
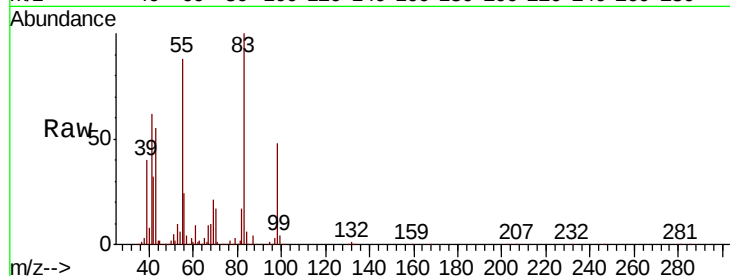
#39
Methylcyclohexane
Concen: 54.973 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	77.5	116.3
98	48.1	38.7	58.1

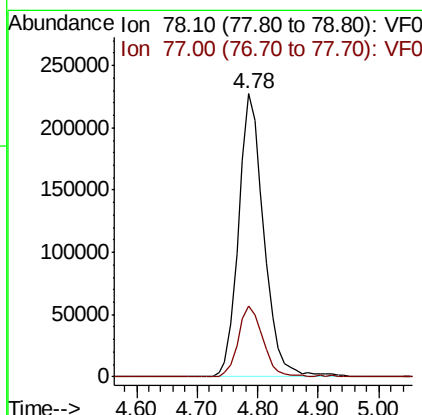
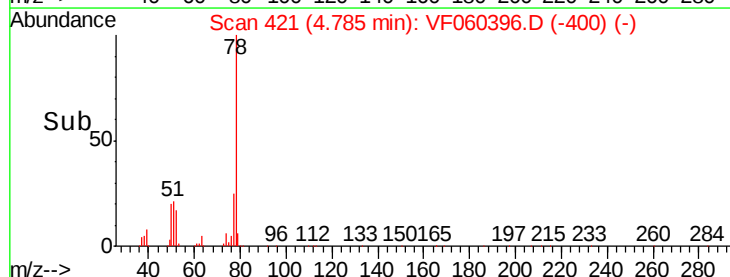
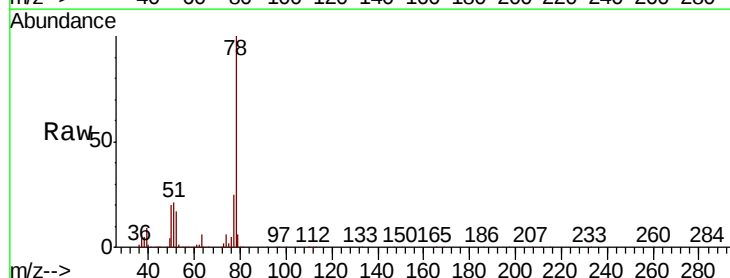
Manual Integrations
APPROVED

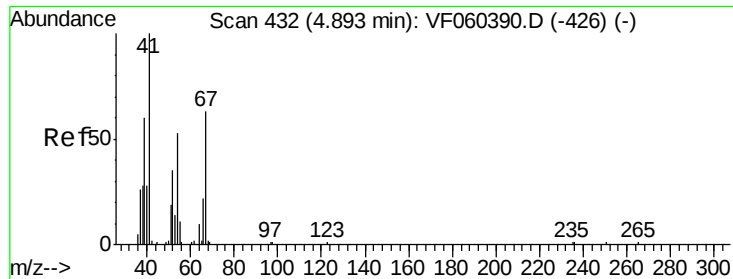
apatel
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#40
Benzene
Concen: 52.983 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8





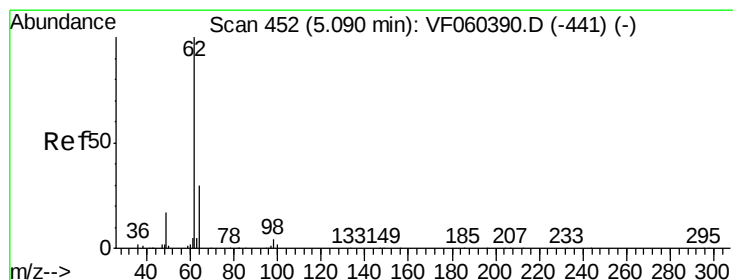
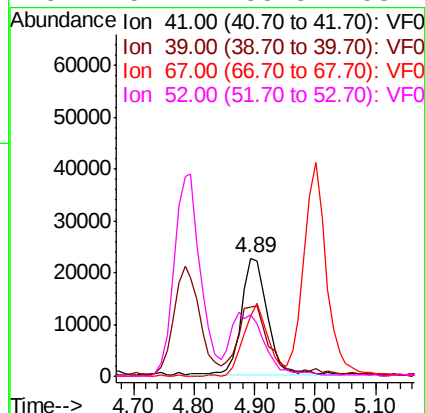
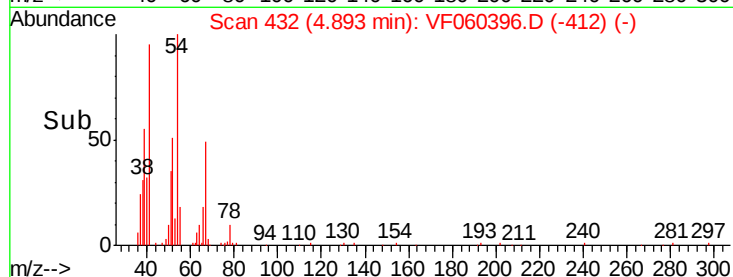
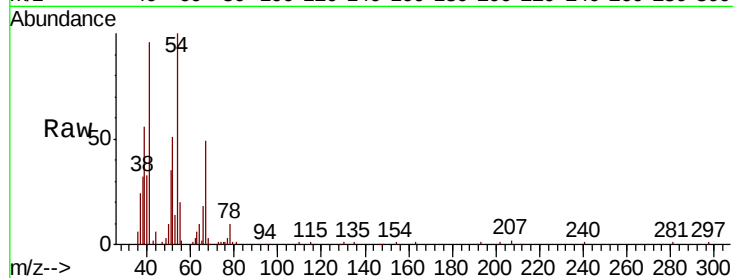
#41
Methacrylonitrile
Concen: 53.158 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.5	55.0	82.4	
67	50.7	49.6	74.4	
52	52.7	38.8	58.2	

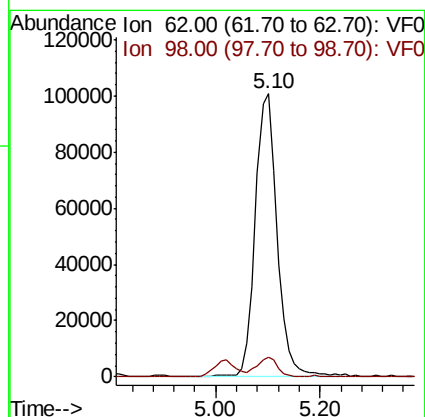
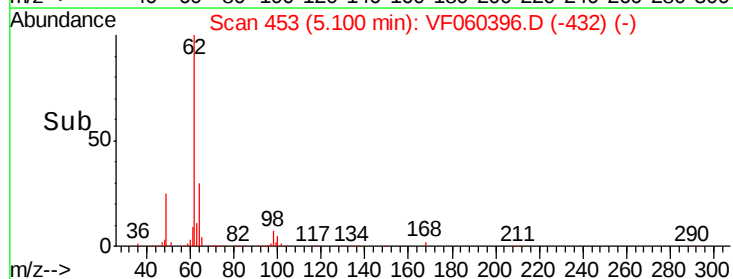
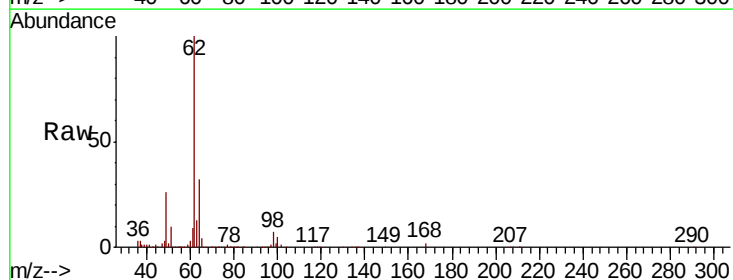
Manual Integrations
APPROVED

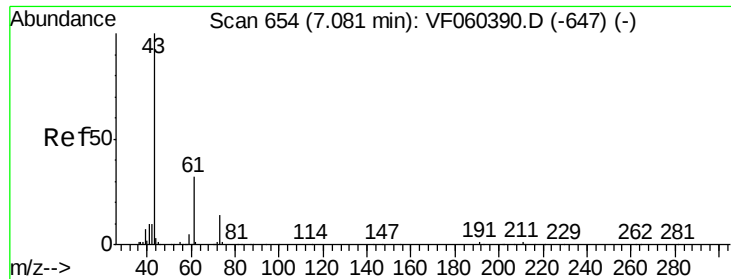
apatel
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#42
1,2-Dichloroethane
Concen: 47.941 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	11.2	





#43

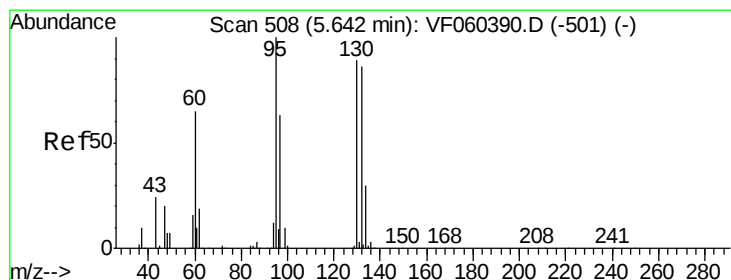
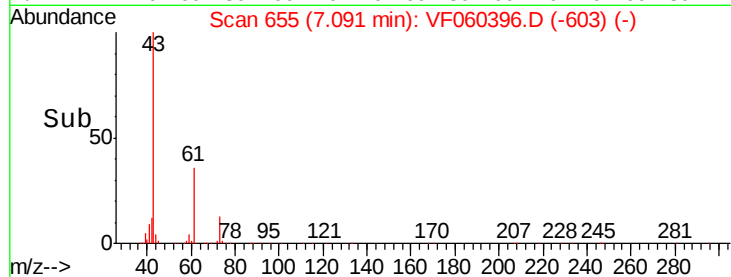
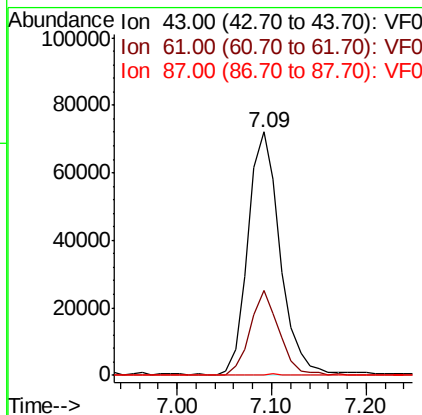
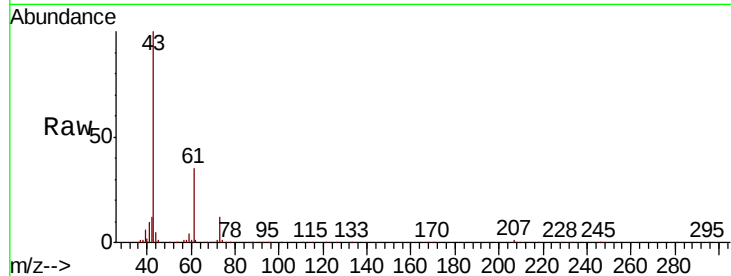
Isopropyl Acetate
 Concen: 58.287 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.9	25.4	38.2
87	0.2	0.3	0.5

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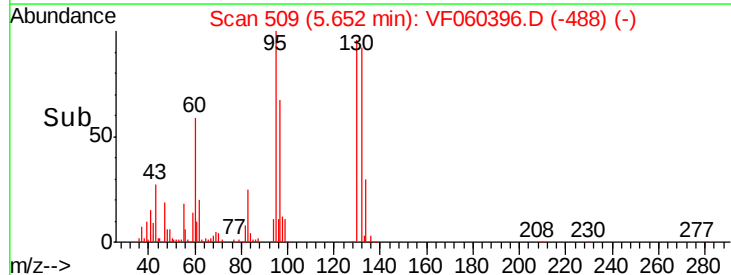
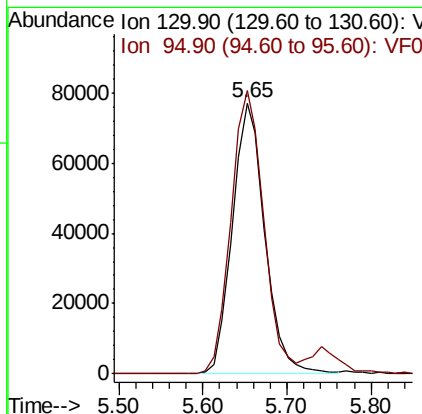
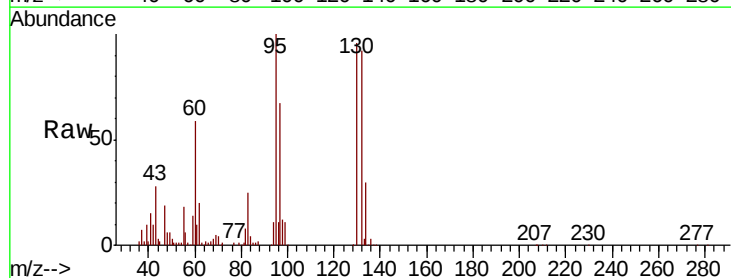
apatel
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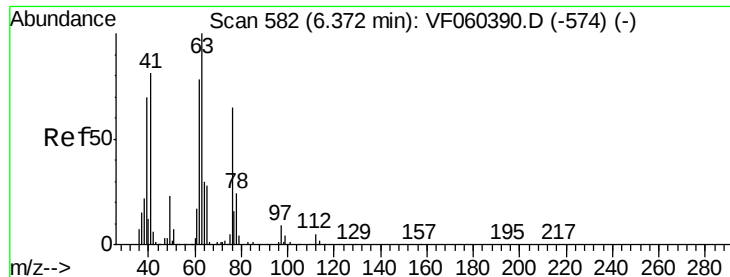


#44

Trichloroethene
 Concen: 51.703 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	224.4





#45

1,2-Dichloropropane

Concen: 54.531 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 180828

Ion Ratio Lower Upper

63 100

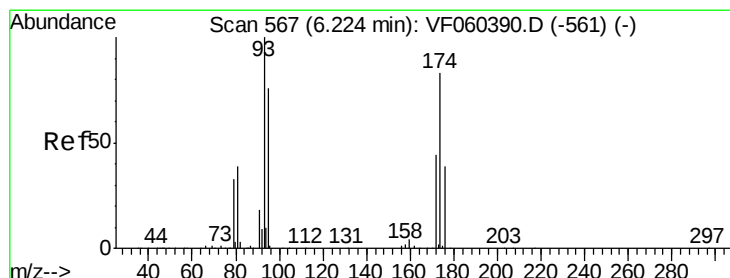
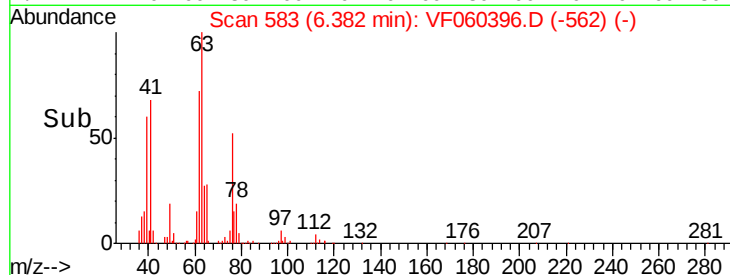
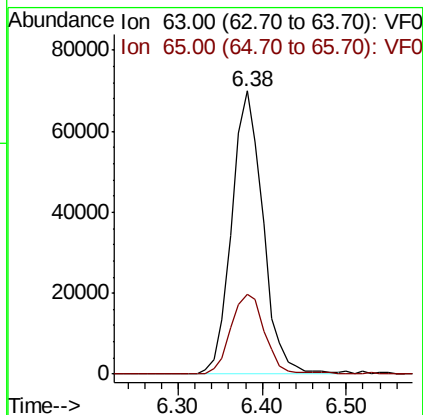
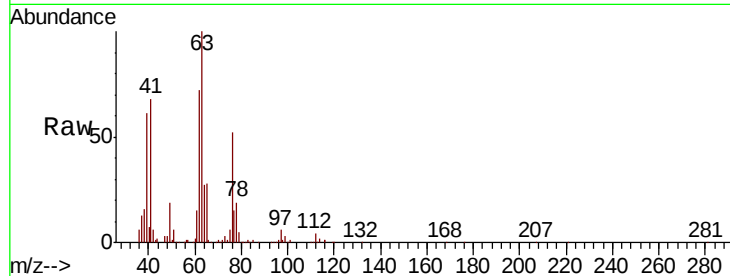
65 28.1 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 50.848 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

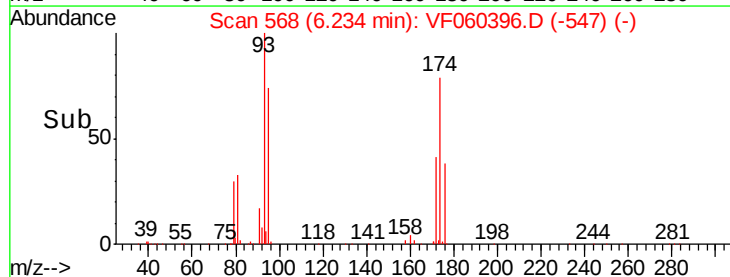
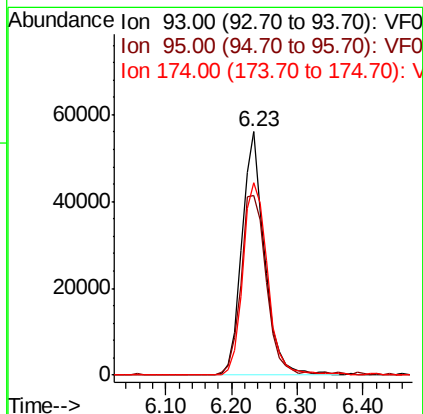
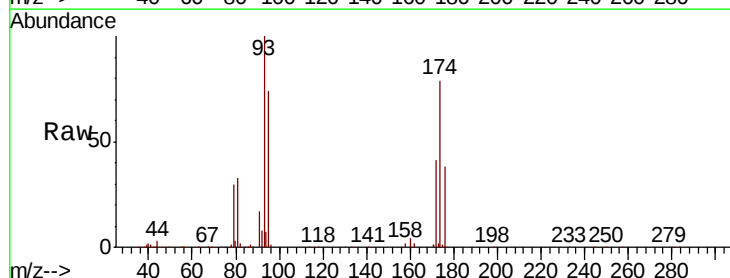
Tgt Ion: 93 Resp: 135567

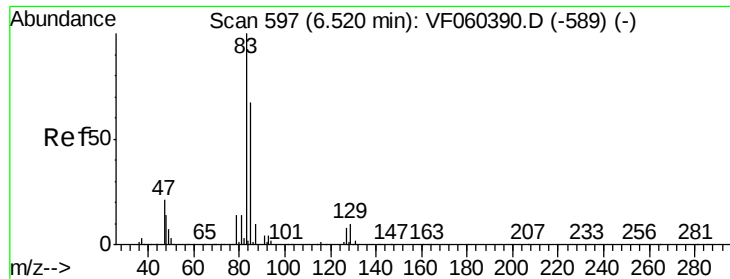
Ion Ratio Lower Upper

93 100

95 74.0 61.1 91.7

174 80.3 66.7 100.1





#47

Bromodichloromethane

Concen: 49.223 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

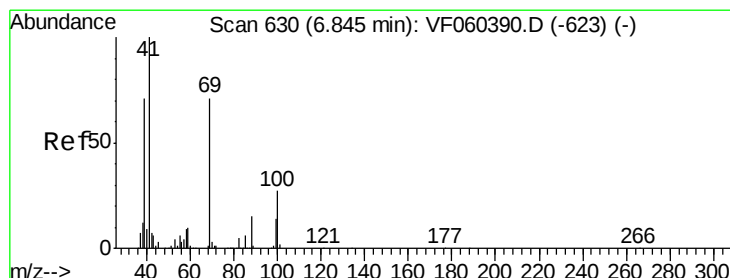
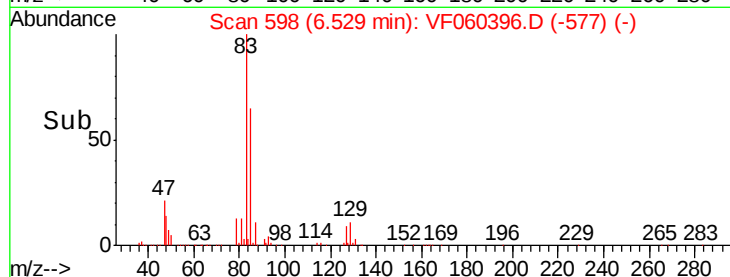
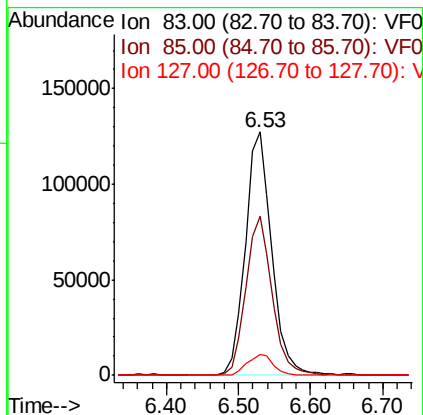
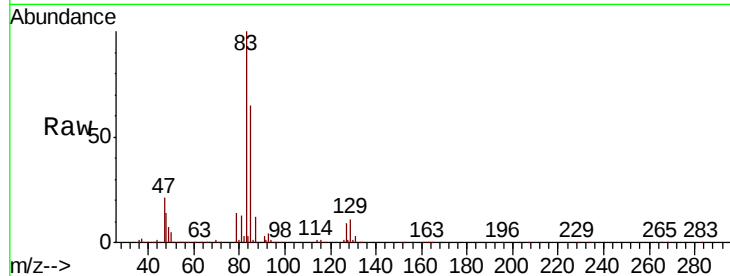
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	325027
Ion Ratio	Lower	Upper	
83	100		
85	65.4	53.2	79.8
127	8.8	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.387 ug/l

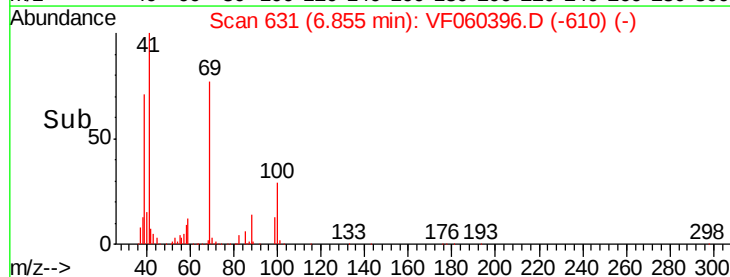
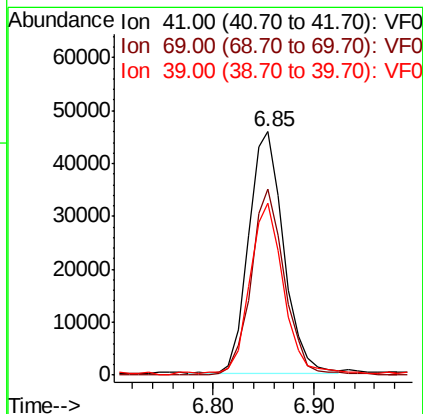
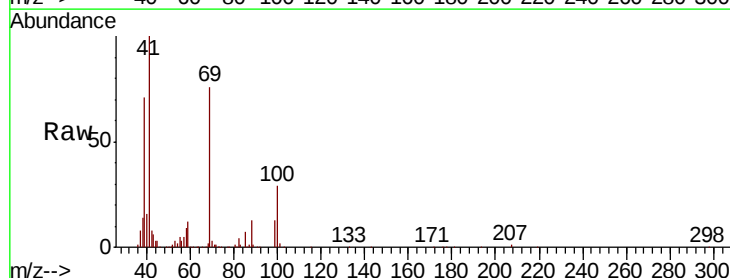
RT: 6.85 min Scan# 631

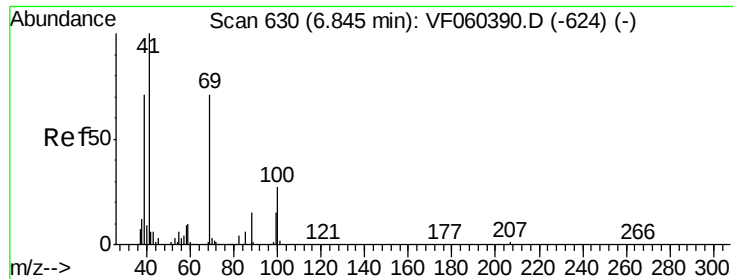
Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	41	Resp:	111239
Ion Ratio	Lower	Upper	
41	100		
69	76.4	56.3	84.5
39	70.9	56.9	85.3





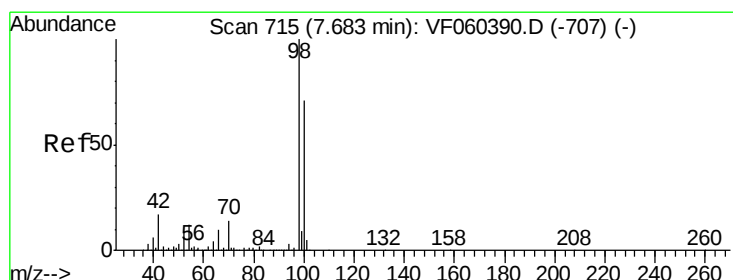
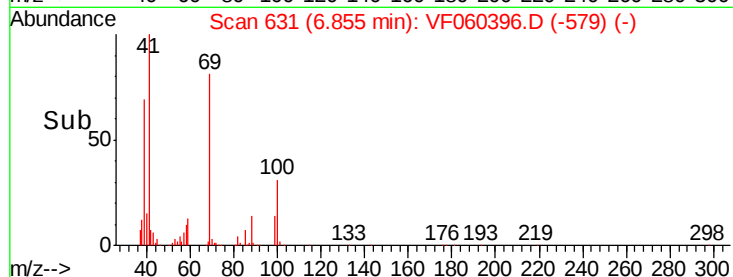
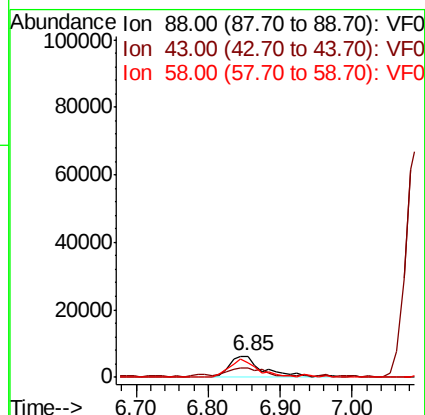
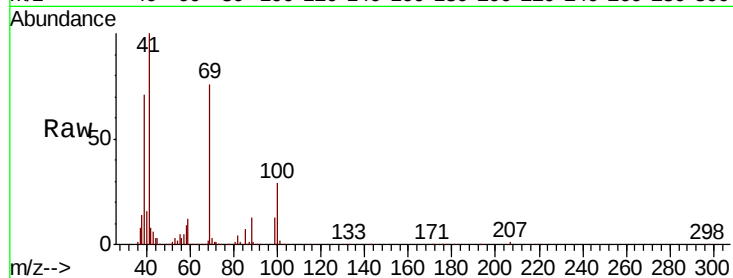
#49
1,4-Dioxane
Concen: 1172.568 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.7	38.3	57.5
58	67.5	47.4	71.2

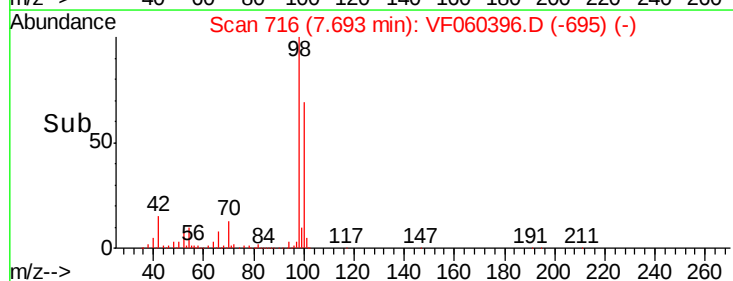
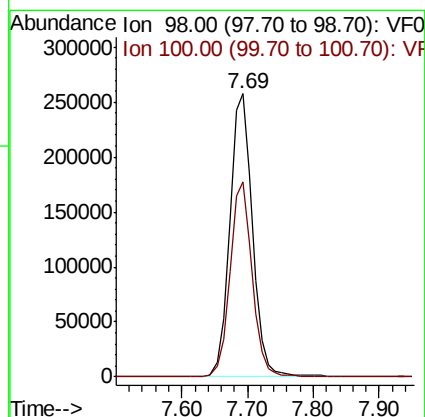
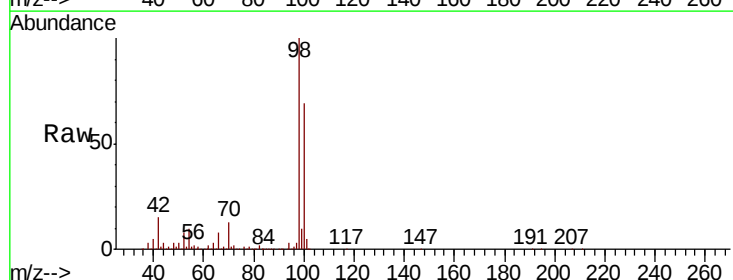
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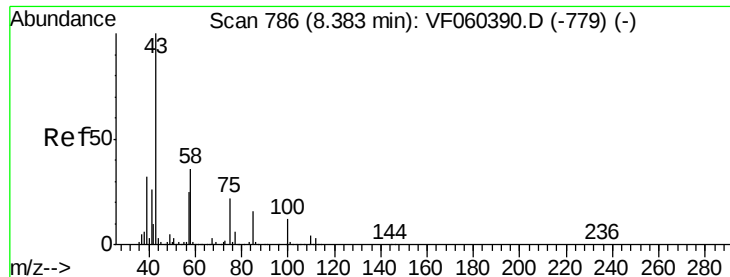
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#50
Toluene-d8
Concen: 52.718 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 282.757 ug/l

RT: 8.38 min Scan# 786

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 584252

Ion Ratio Lower Upper

43 100

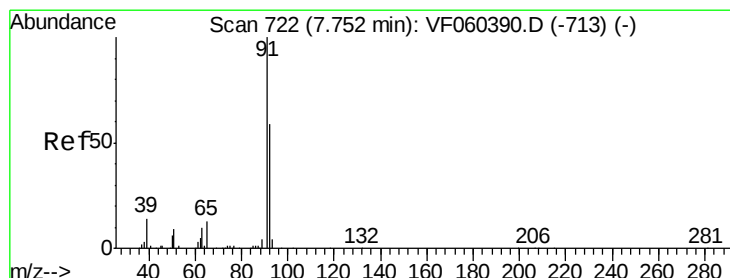
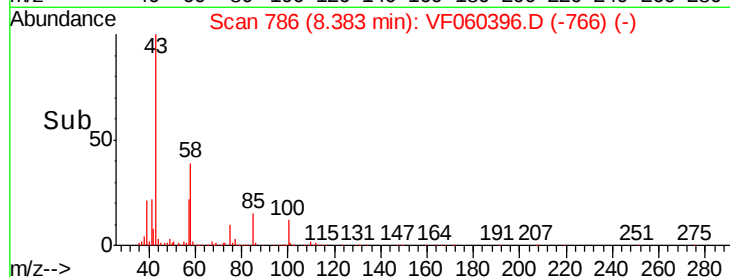
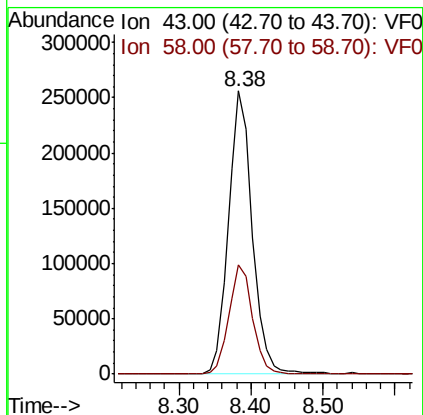
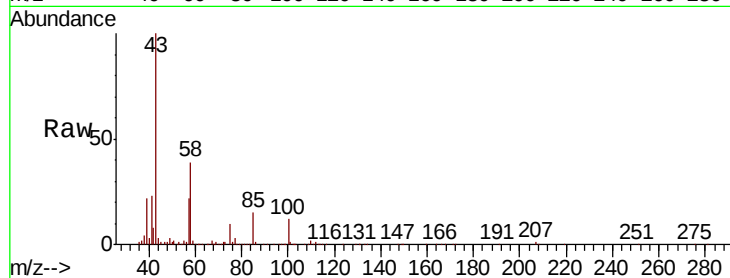
58 38.8 28.5 42.7

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#52

Toluene

Concen: 51.851 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060396.D

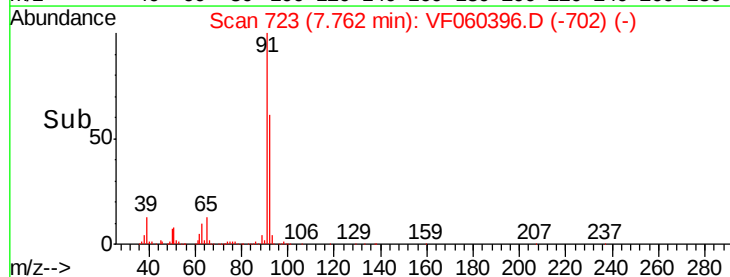
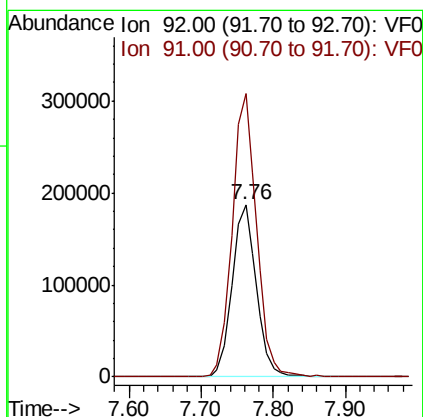
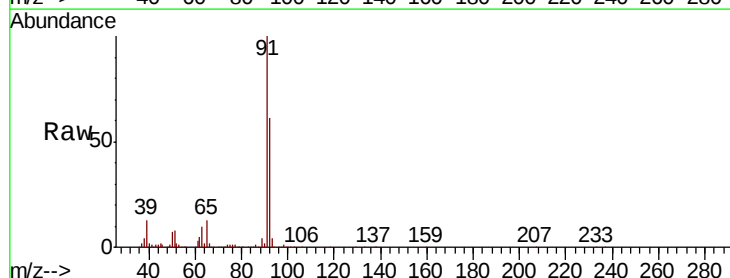
Acq: 2 Oct 2018 11:38

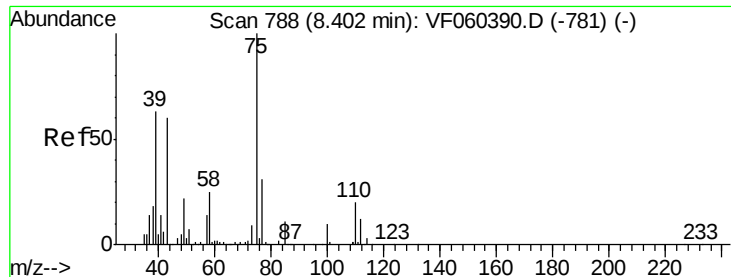
Tgt Ion: 92 Resp: 438535

Ion Ratio Lower Upper

92 100

91 164.1 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 50.409 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 260856

Ion Ratio Lower Upper

75 100

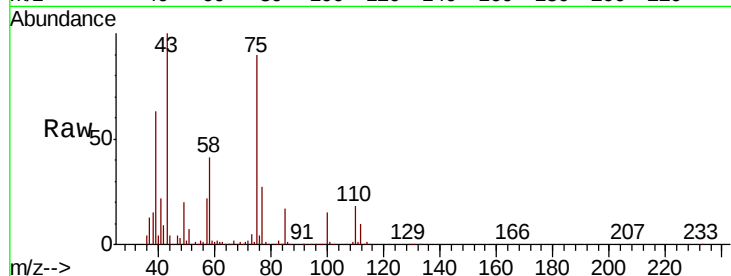
77 29.8 24.6 36.8

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120000

100000

80000

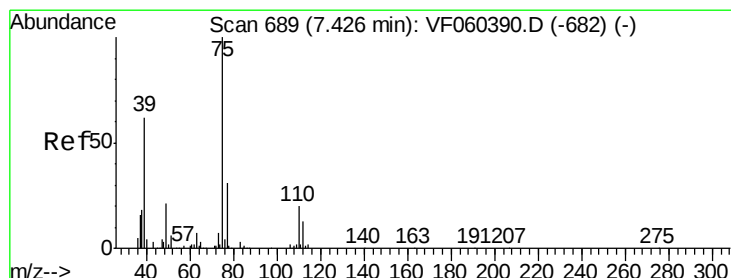
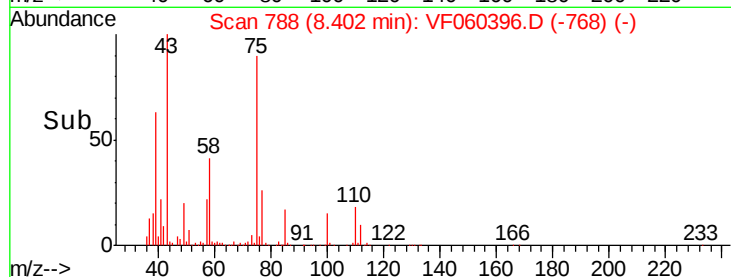
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 53.548 ug/l

RT: 7.44 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

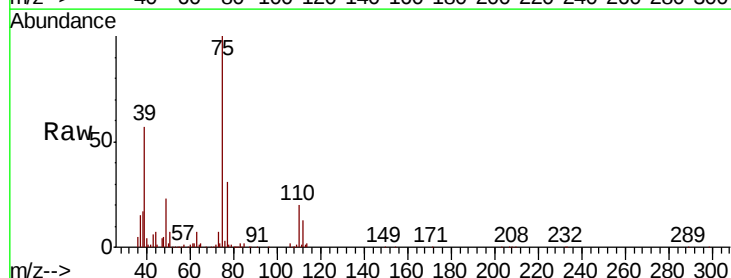
Tgt Ion: 75 Resp: 323851

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 57.4 49.7 74.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

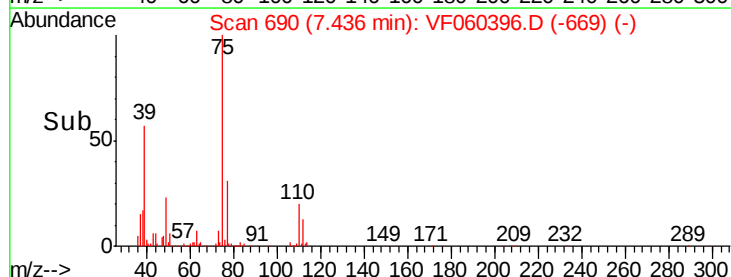
150000

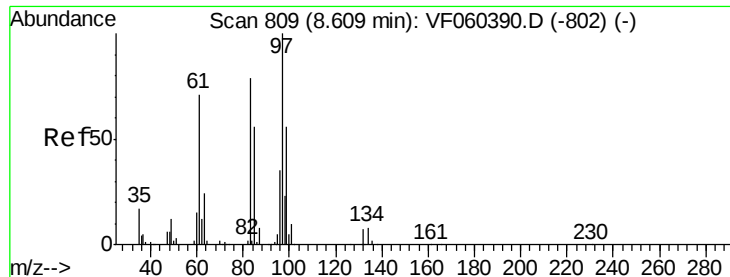
100000

50000

0

Time--> 7.20 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 49.938 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

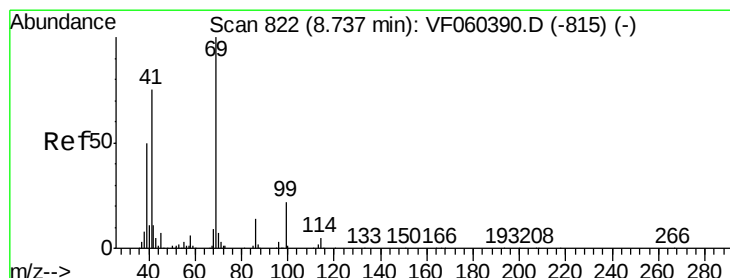
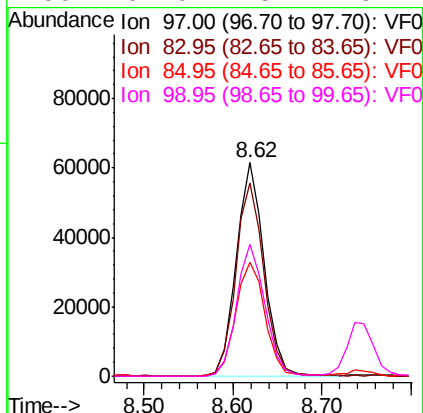
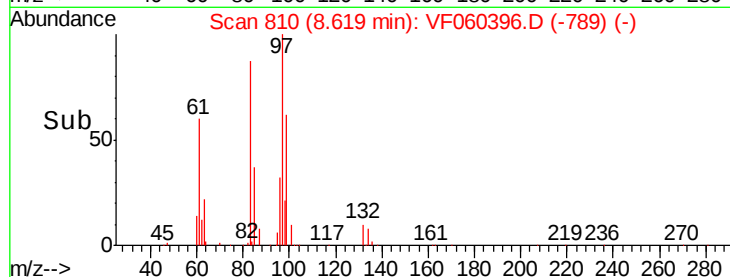
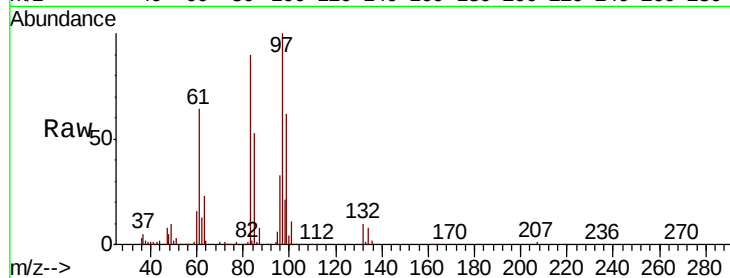
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	133876
Ion	Ratio	Lower	Upper
97	100		
83	90.4	63.4	95.0
85	53.2	44.5	66.7
99	62.0	45.1	67.7

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#56

Ethyl methacrylate

Concen: 56.235 ug/l

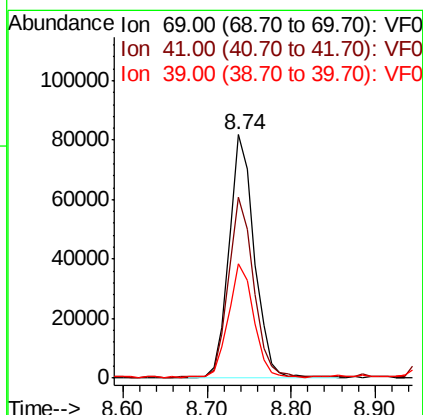
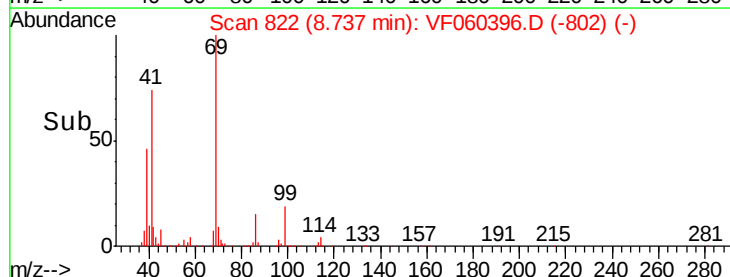
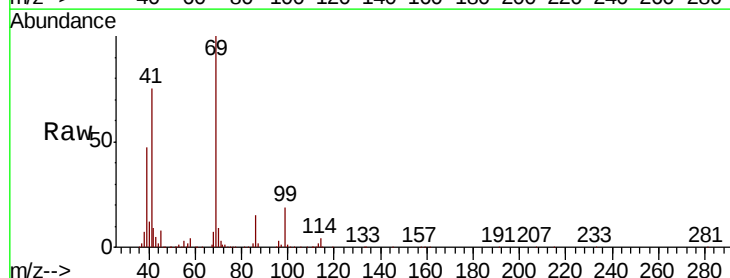
RT: 8.74 min Scan# 822

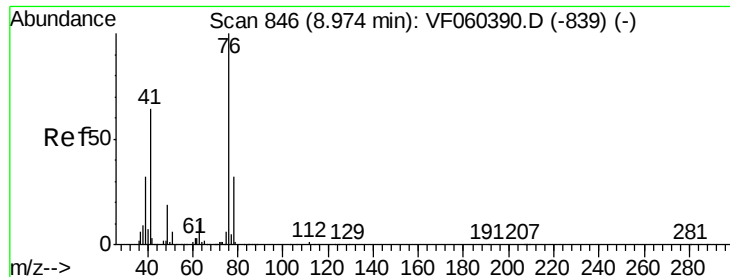
Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	69	Resp:	171308
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.2	90.4
39	47.2	40.2	60.2





#57

1,3-Dichloropropane

Concen: 52.123 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 236392

Ion Ratio Lower Upper

76 100

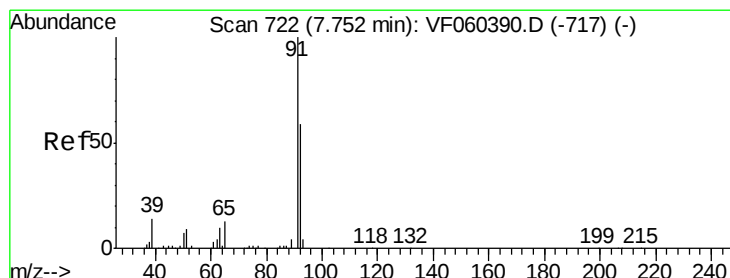
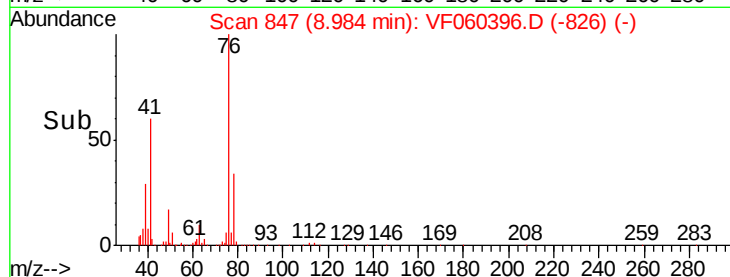
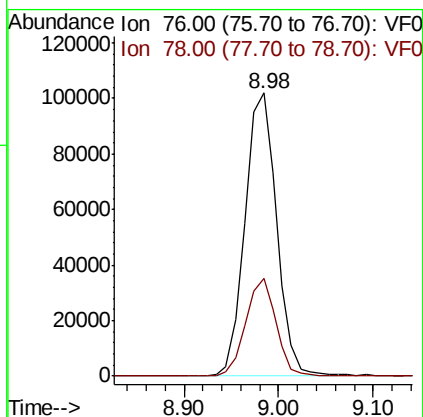
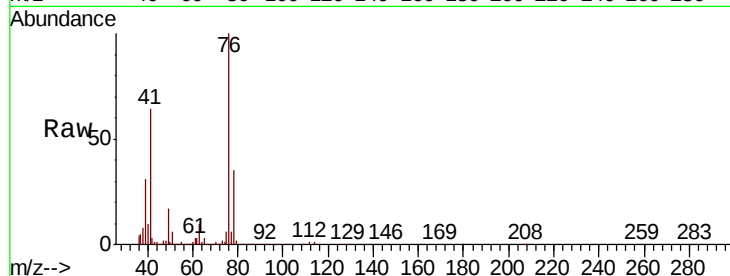
78 34.6 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 233.742 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060396.D

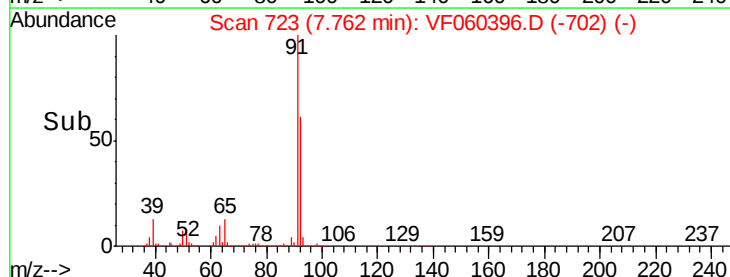
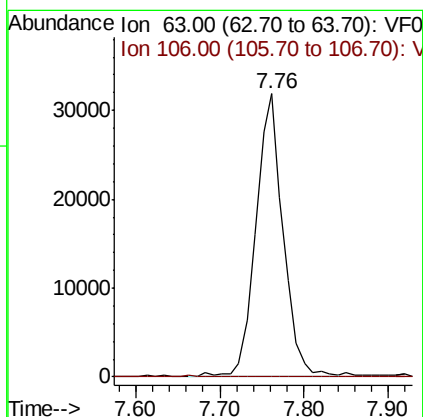
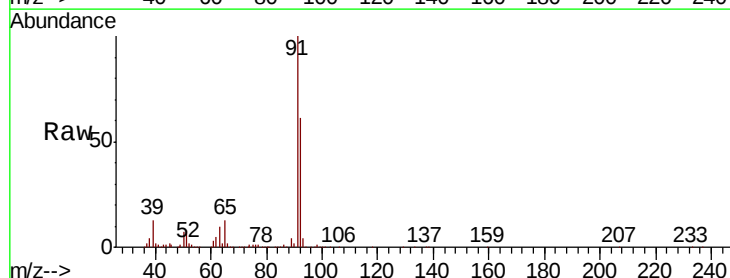
Acq: 2 Oct 2018 11:38

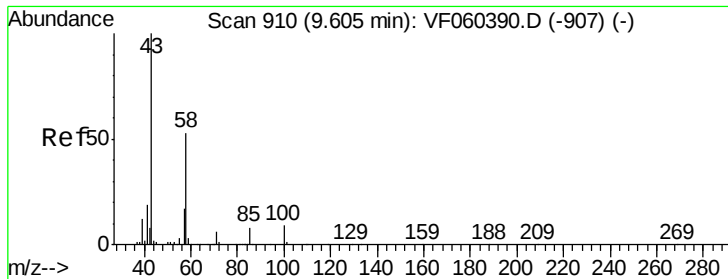
Tgt Ion: 63 Resp: 72732

Ion Ratio Lower Upper

63 100

106 0.3 0.0 0.0#





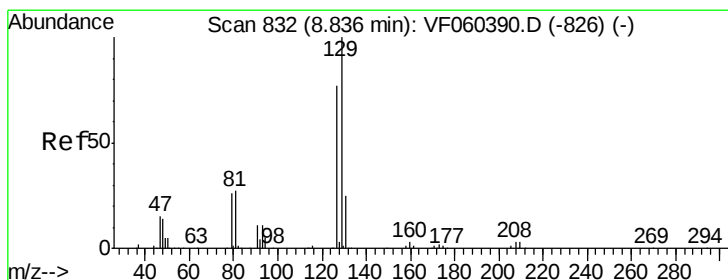
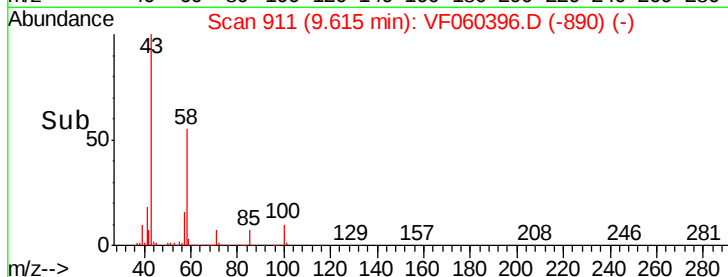
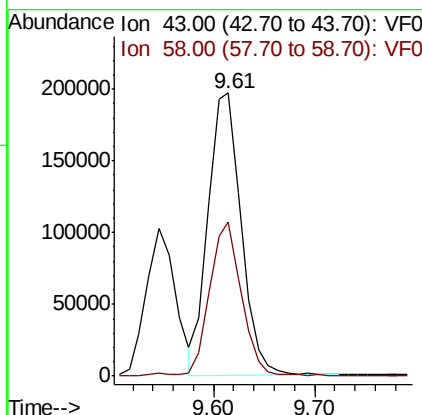
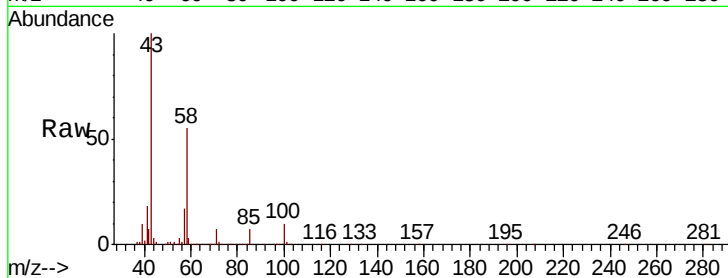
#59
2-Hexanone
Concen: 297.642 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 451100
Ion Ratio Lower Upper
43 100
58 54.6 25.6 76.6

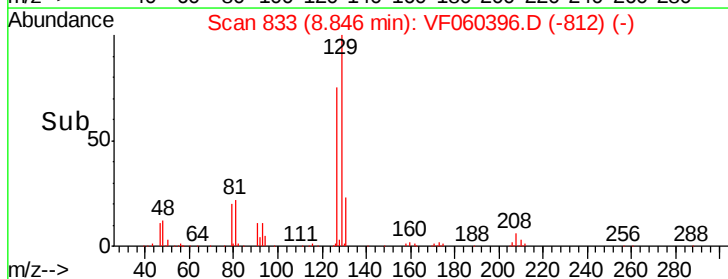
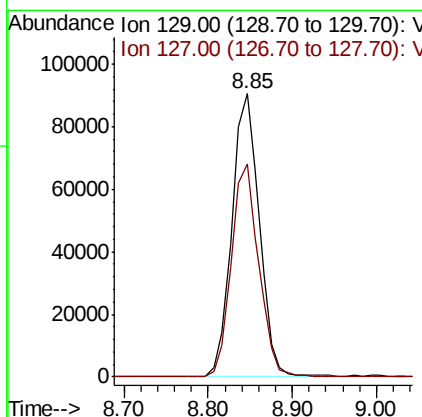
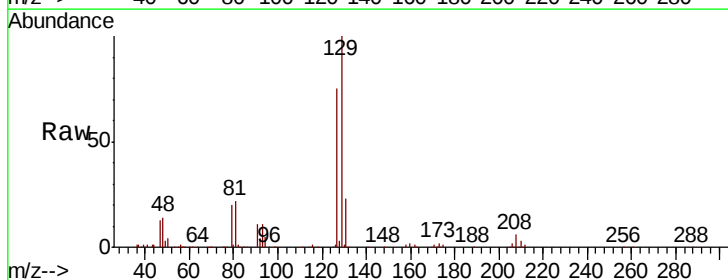
Manual Integrations
APPROVED

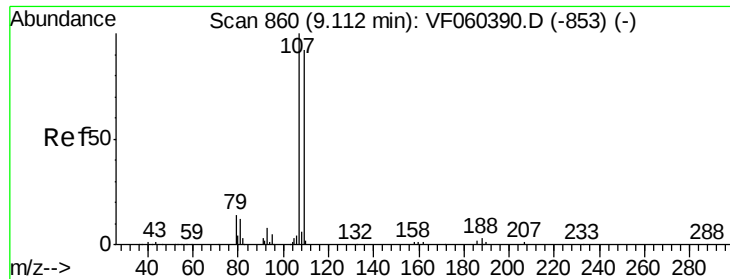
apatel
10/3/2018 1:01:59 PM



#60
Dibromochloromethane
Concen: 50.834 ug/l
RT: 8.85 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion: 129 Resp: 205187
Ion Ratio Lower Upper
129 100
127 75.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.112 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 155799

Ion Ratio Lower Upper

107 100

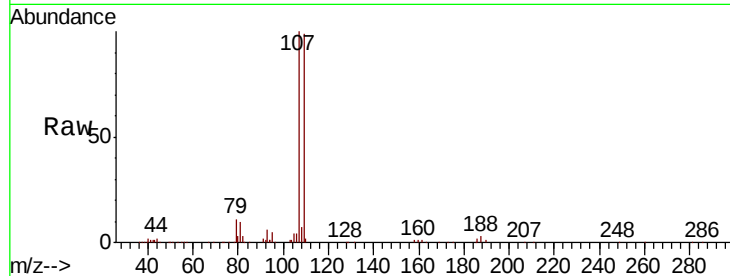
109 98.8 73.7 110.5

Manual Integrations

APPROVED

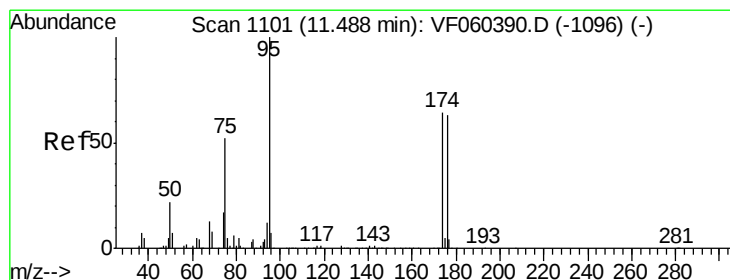
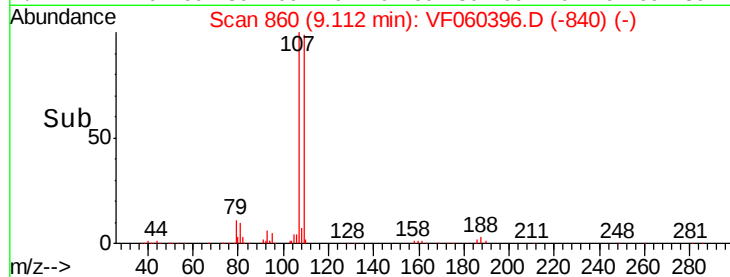
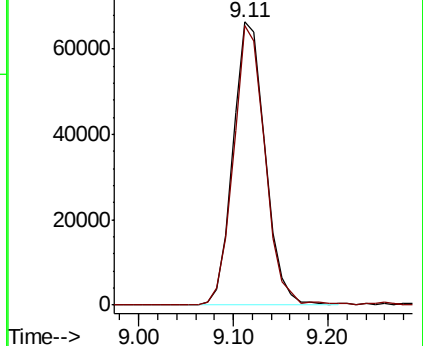
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.488 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

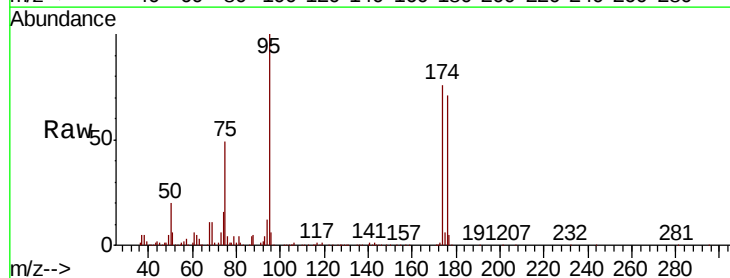
Tgt Ion: 95 Resp: 260590

Ion Ratio Lower Upper

95 100

174 75.6 0.0 129.0

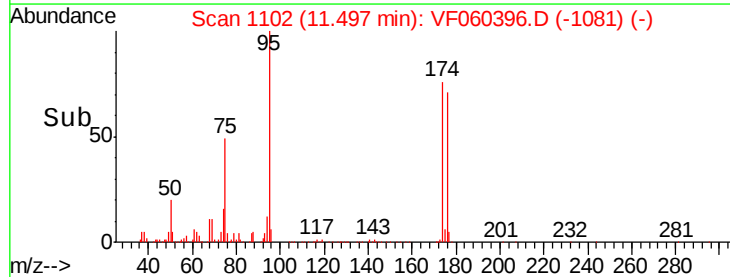
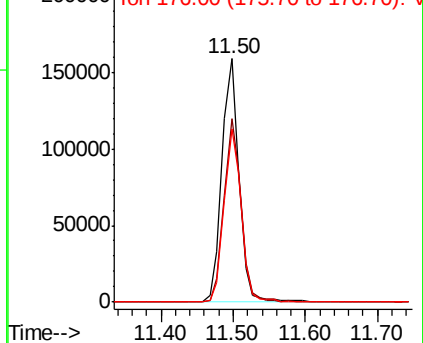
176 70.9 0.0 125.6

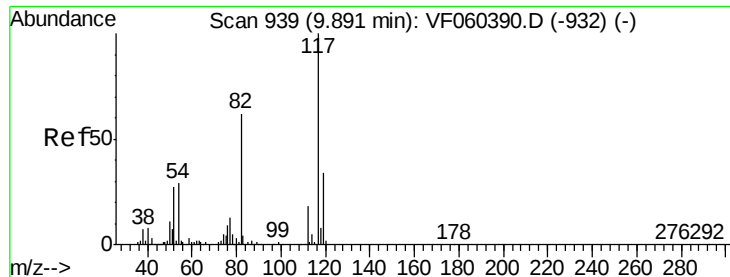


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





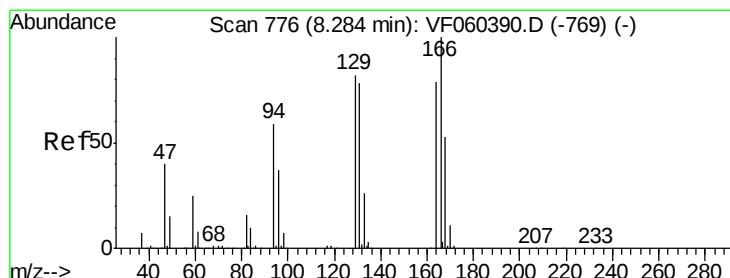
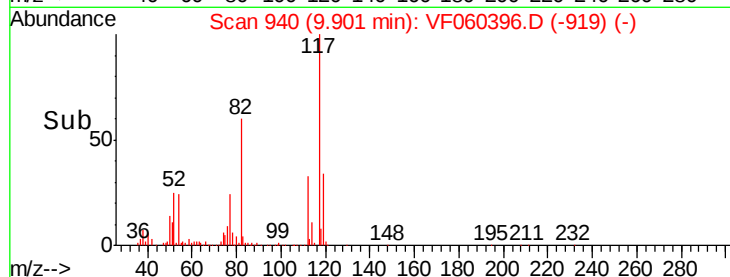
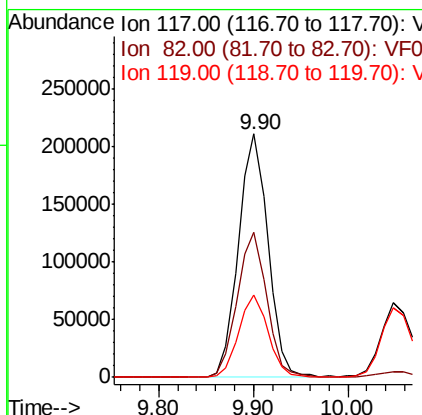
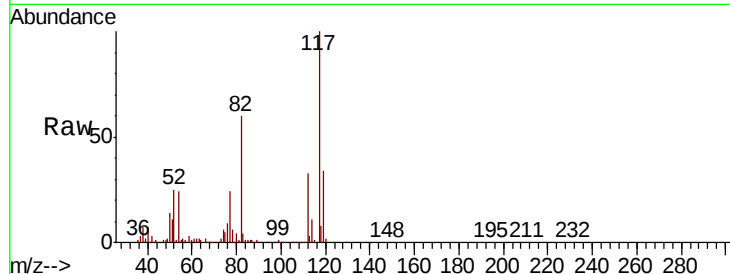
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.5	74.3
119	33.6	27.0	40.6

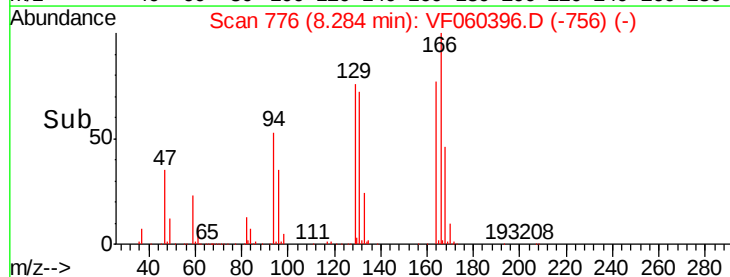
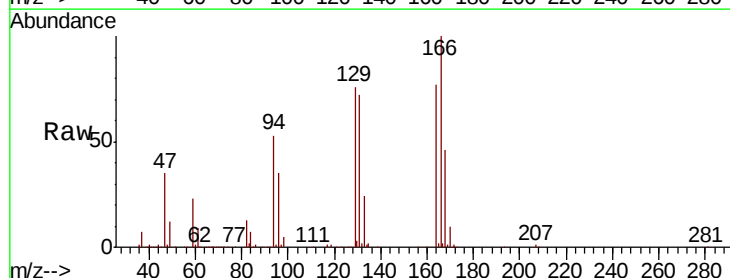
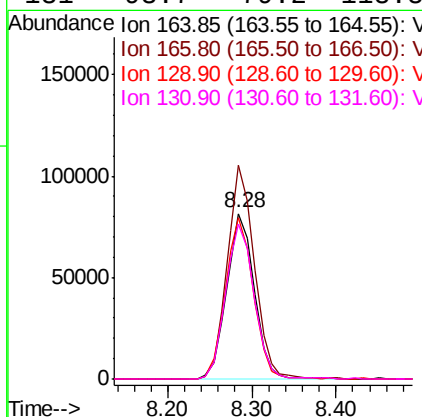
Manual Integrations
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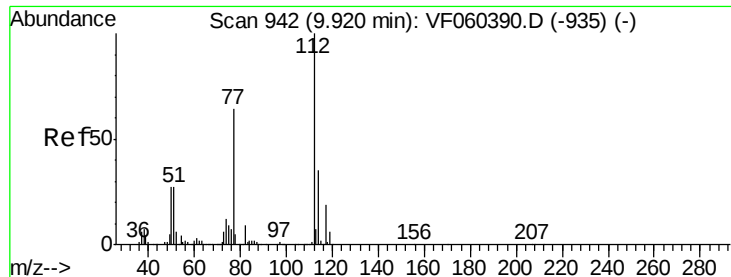
apatel
10/3/2018 1:01:59 PM



#64
Tetrachloroethene
Concen: 51.045 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.0	151.6
129	97.8	82.5	123.7
131	93.7	79.2	118.8





#65

Chlorobenzene

Concen: 52.180 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 491605

Ion Ratio Lower Upper

112 100

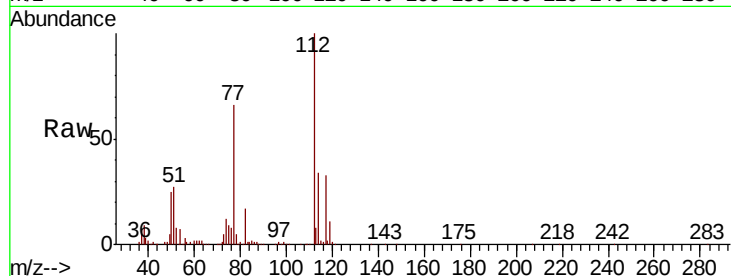
114 33.6 27.7 41.5

Manual Integrations

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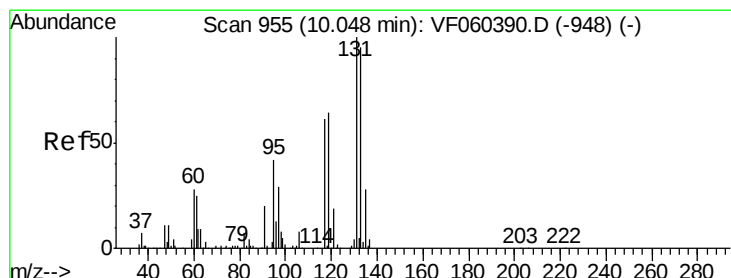
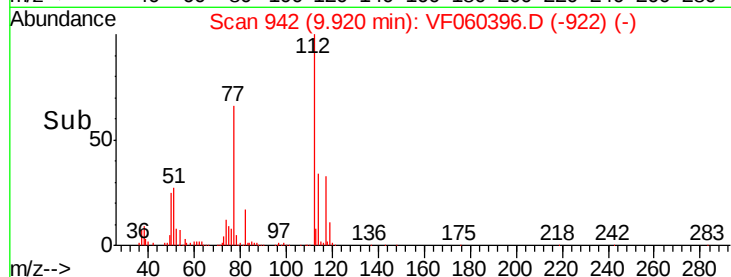
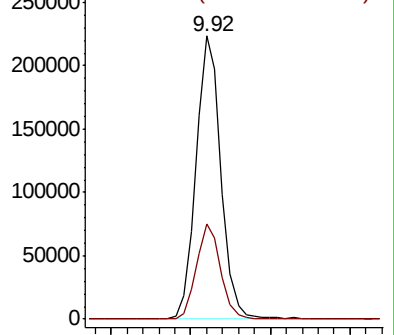
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.930 ug/l

RT: 10.05 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

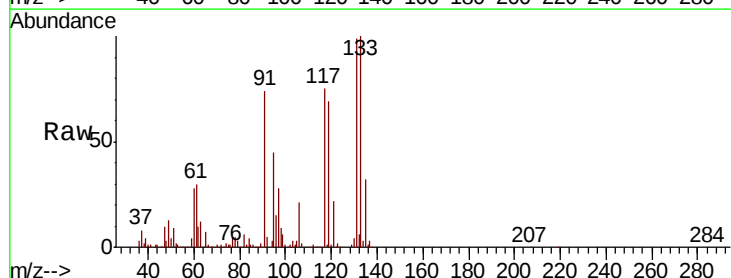
Tgt Ion:131 Resp: 205396

Ion Ratio Lower Upper

131 100

133 101.2 47.3 141.8

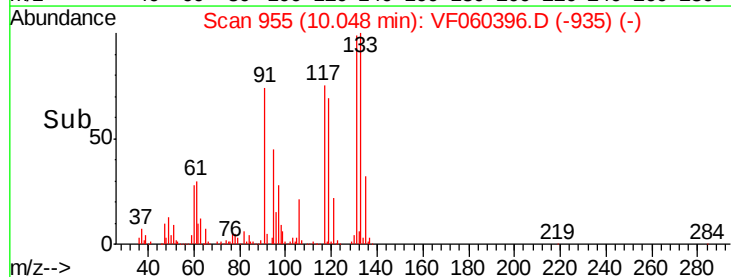
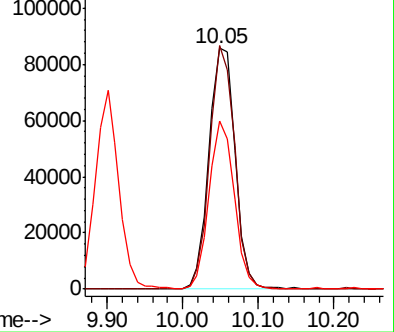
119 69.9 32.3 96.9

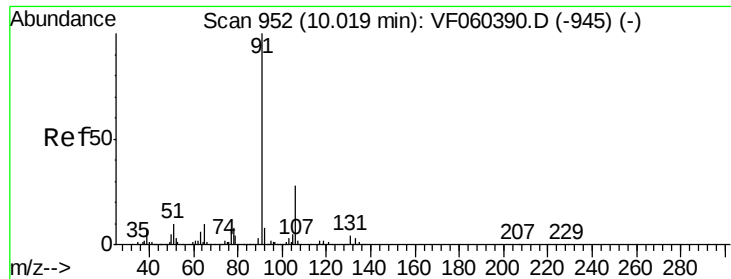


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





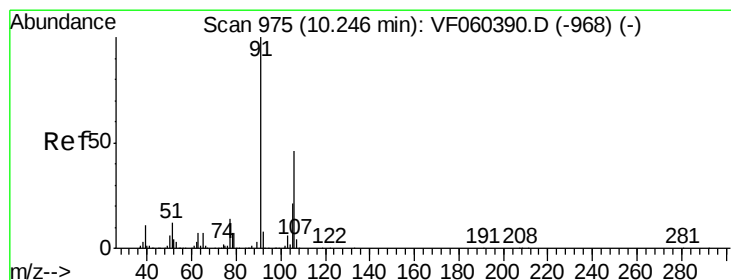
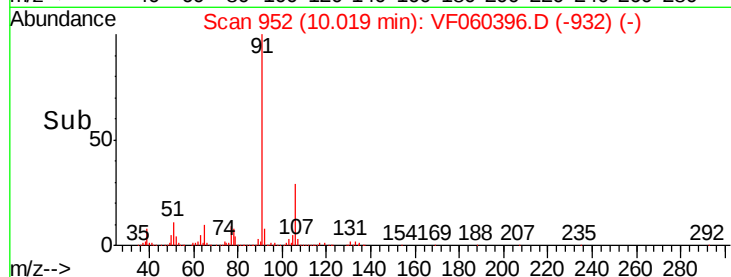
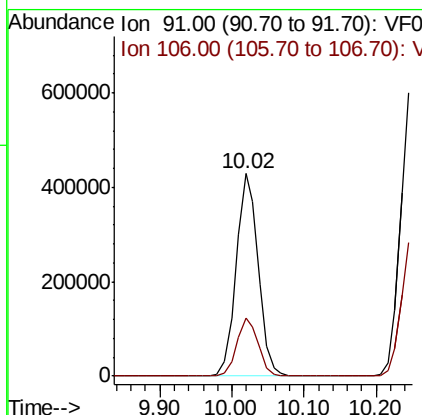
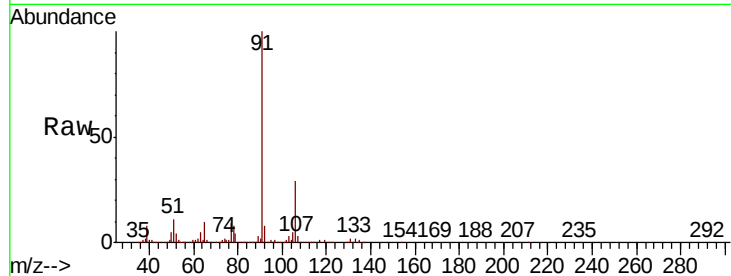
#67
Ethyl Benzene
Concen: 51.135 ug/l
RT: 10.02 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 915996
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7

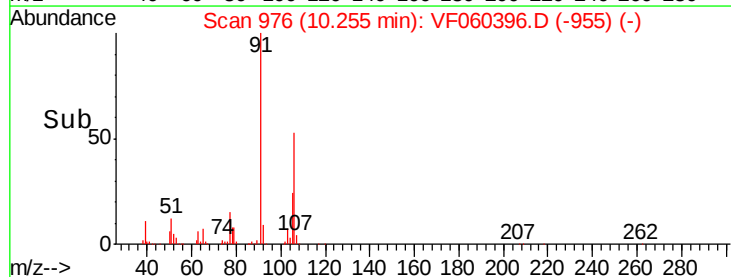
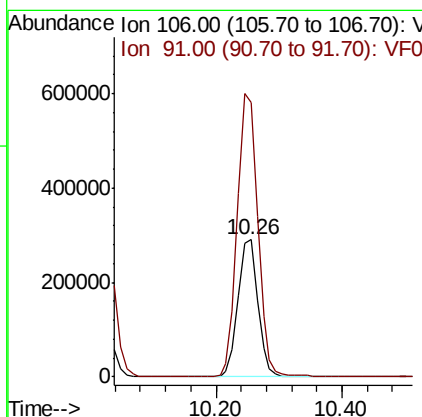
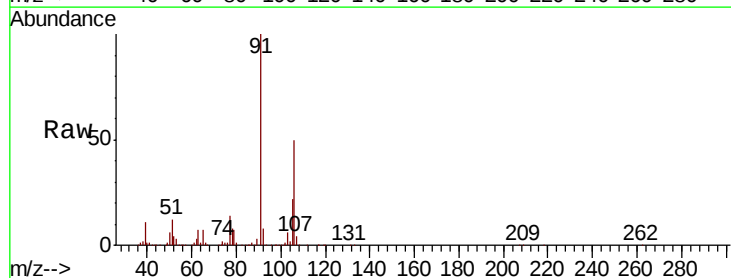
Manual Integrations
APPROVED

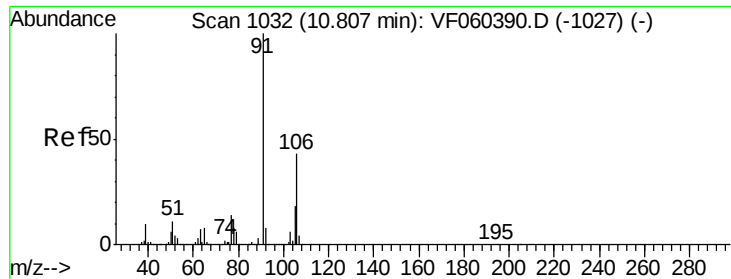
apatel
10/3/2018 1:01:59 PM



#68
m/p-Xylenes
Concen: 103.027 ug/l
RT: 10.26 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion: 106 Resp: 634440
Ion Ratio Lower Upper
106 100
91 200.2 175.0 262.6





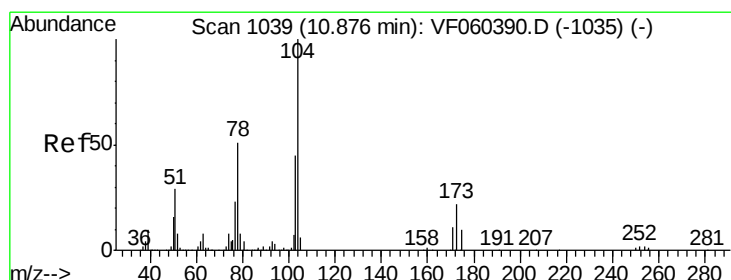
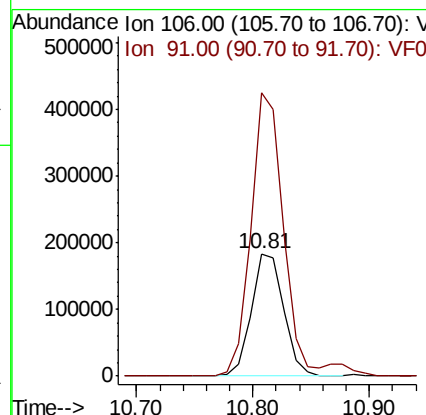
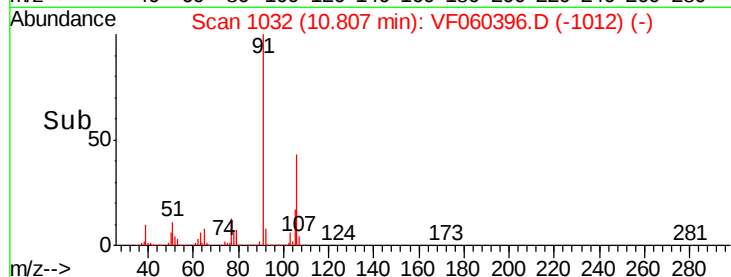
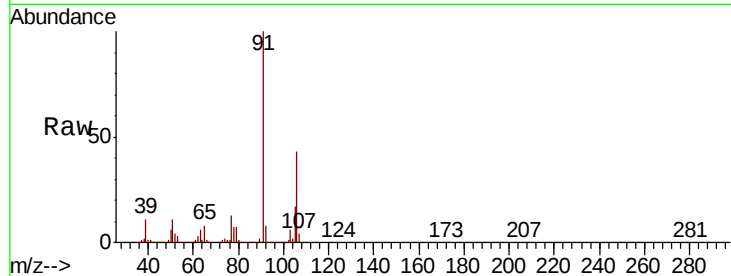
#69
o-Xylene
Concen: 52.594 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	231.2	115.1	345.2

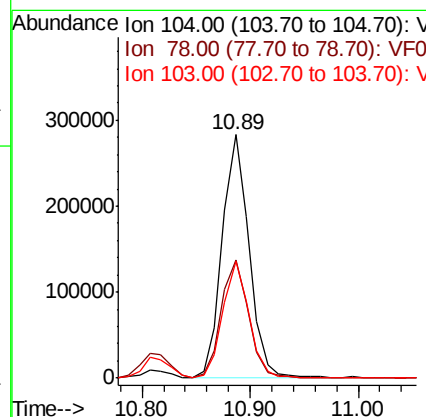
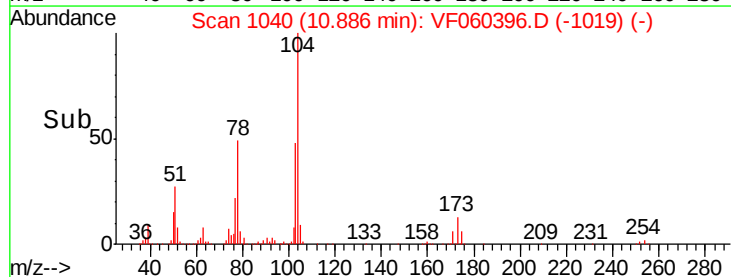
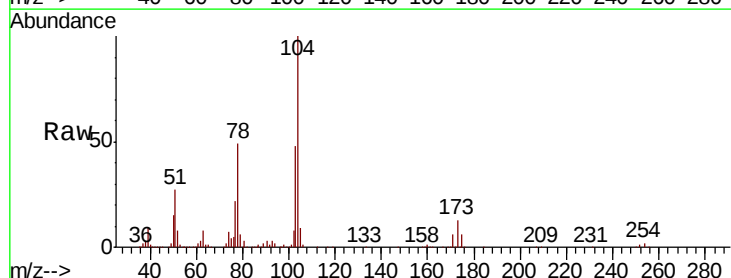
Manual Integrations
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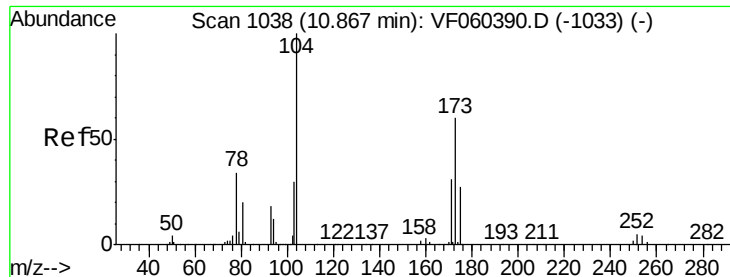
apatel
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#70
Styrene
Concen: 51.043 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	41.0	61.4
103	48.1	36.4	54.6





#71

Bromoform

Concen: 52.556 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

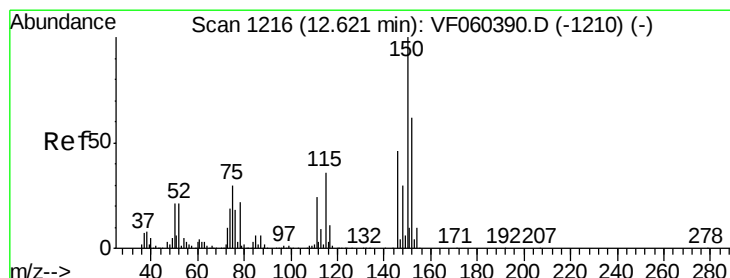
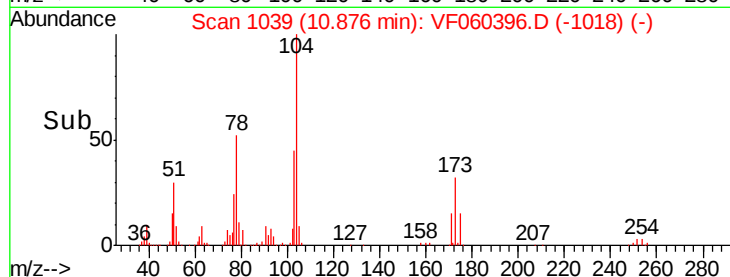
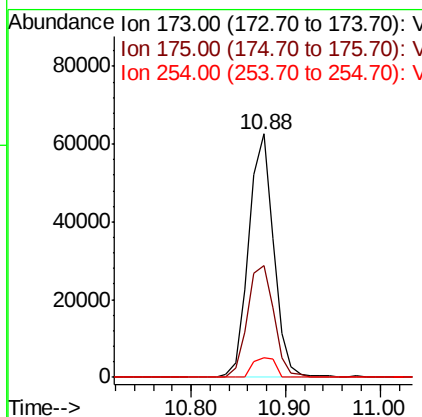
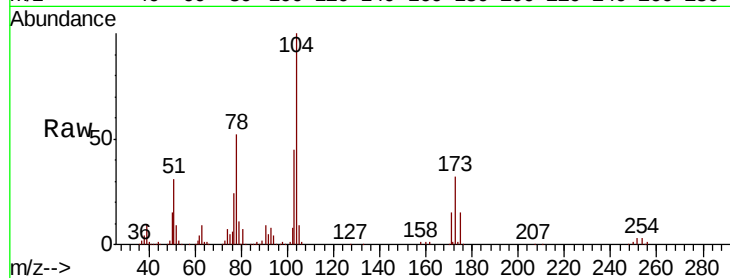
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.8	22.1	66.1
254	8.3	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

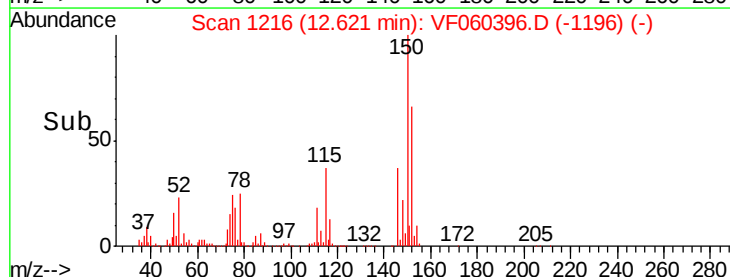
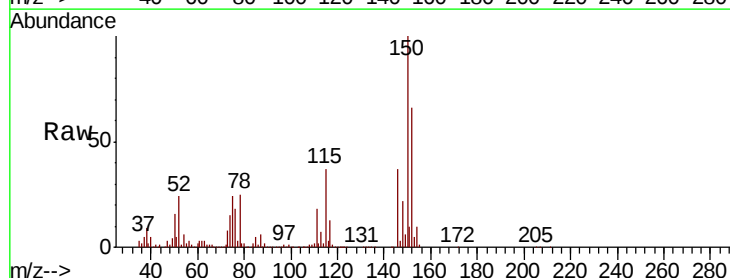
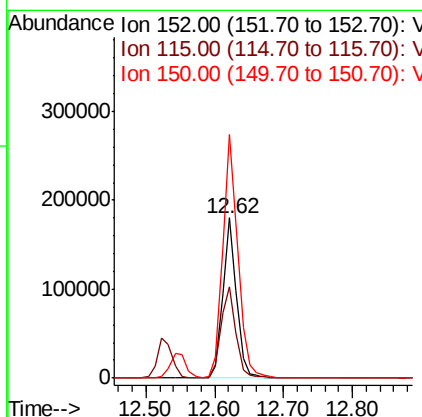
RT: 12.62 min Scan# 1216

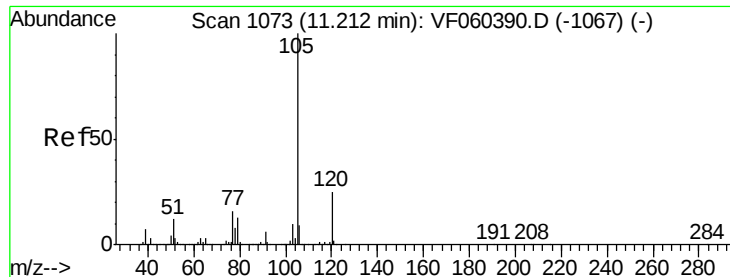
Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.6	85.8
150	152.0	0.0	324.6





#73

Isopropylbenzene

Concen: 51.779 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1019845

Ion Ratio Lower Upper

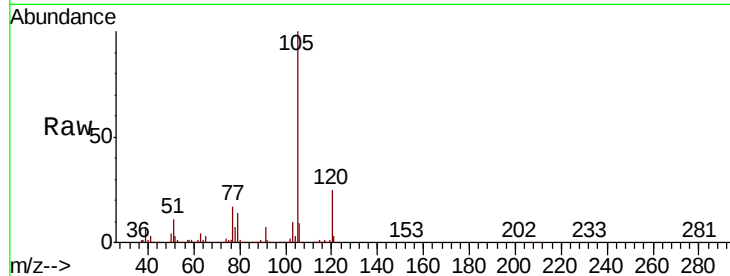
105 100

120 25.4 12.3 36.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

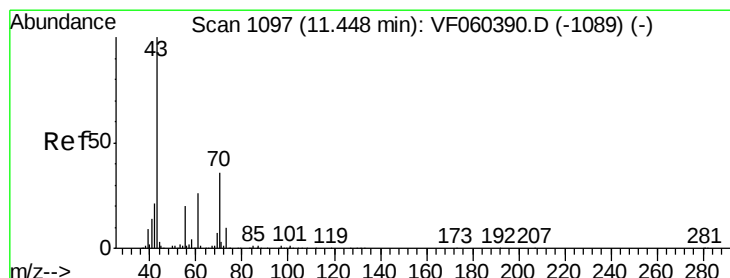
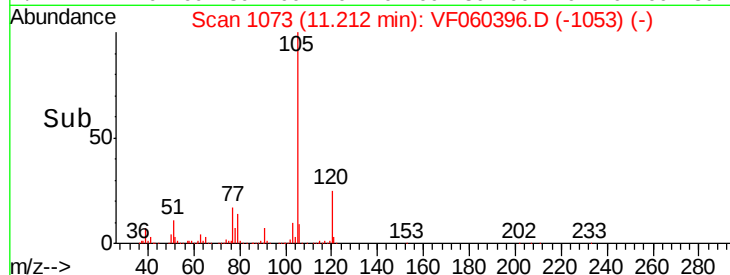
400000

200000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 58.897 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion: 43 Resp: 266234

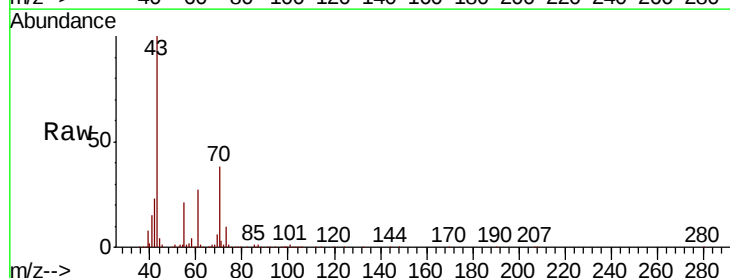
Ion Ratio Lower Upper

43 100

70 38.1 29.1 43.7

55 20.6 16.3 24.5

61 26.6 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

250000

200000

150000

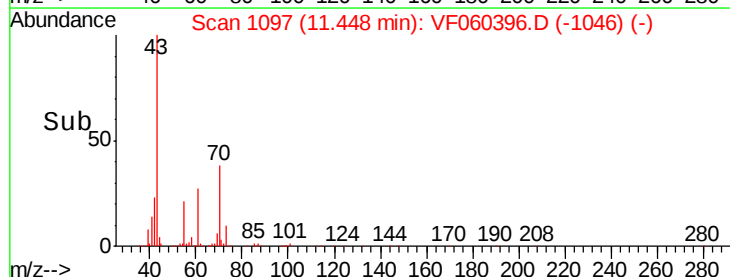
100000

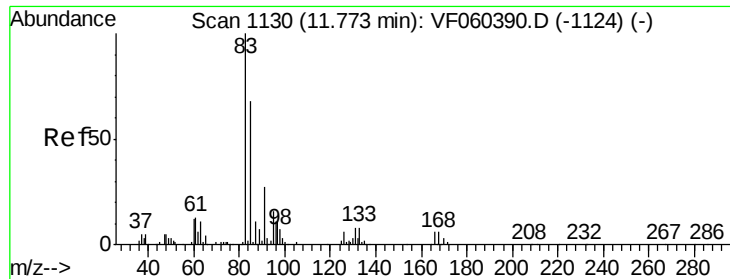
50000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.320 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

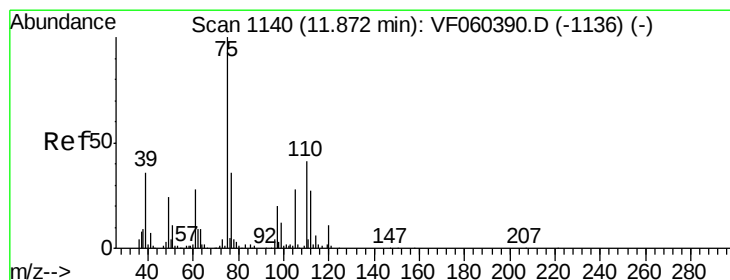
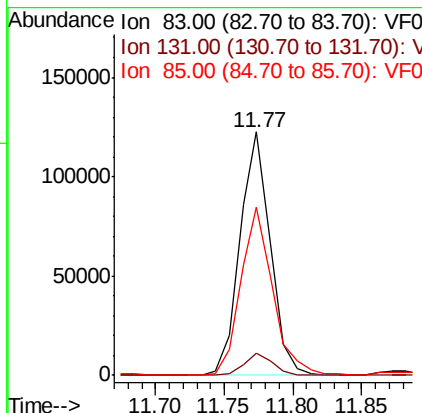
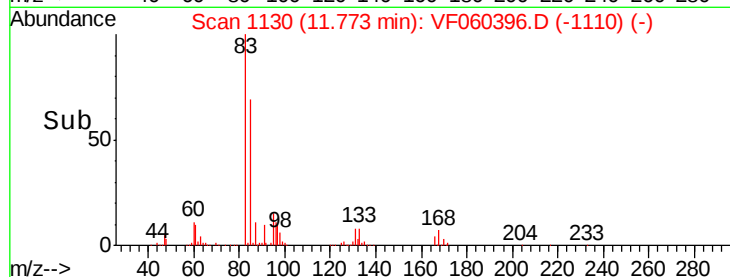
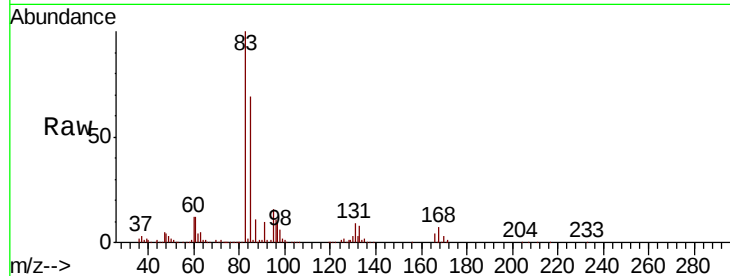
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187875
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.0	12.0
85	69.1	34.0	102.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.575 ug/l

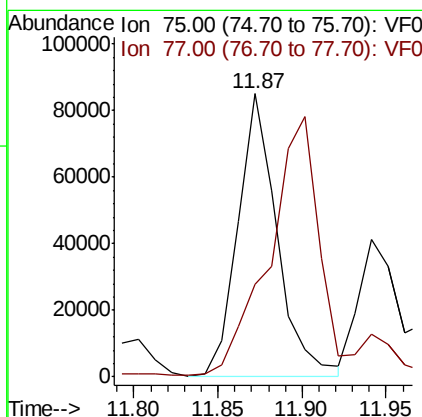
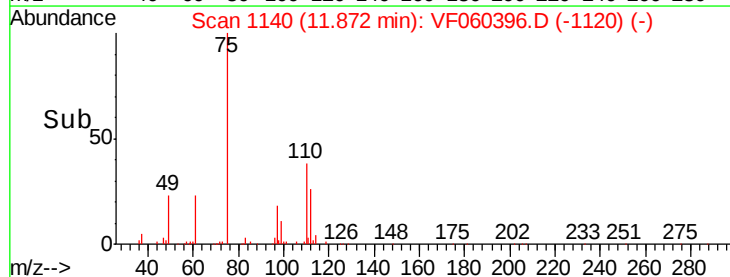
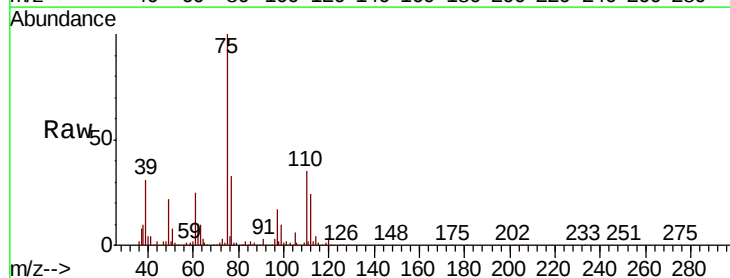
RT: 11.87 min Scan# 1140

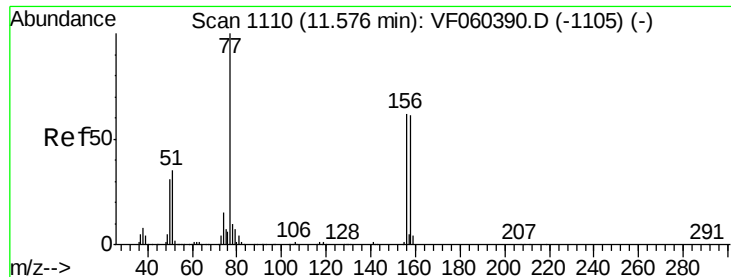
Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion:	75	Resp:	136344
Ion Ratio	Lower	Upper	
75	100		
77	32.7	18.1	54.4





#77

Bromobenzene

Concen: 50.341 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

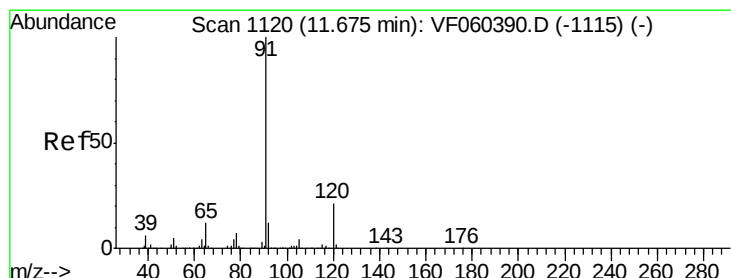
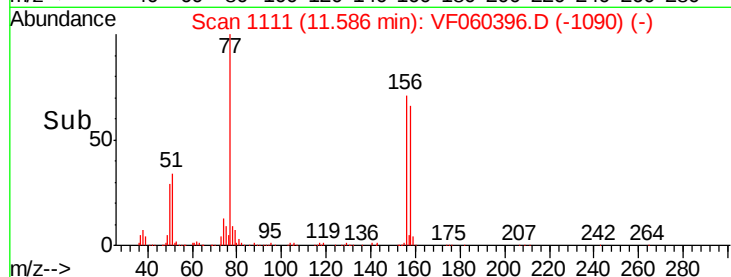
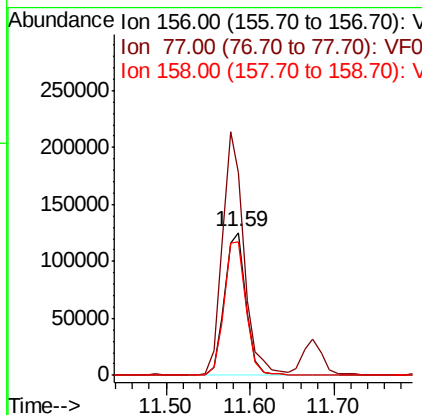
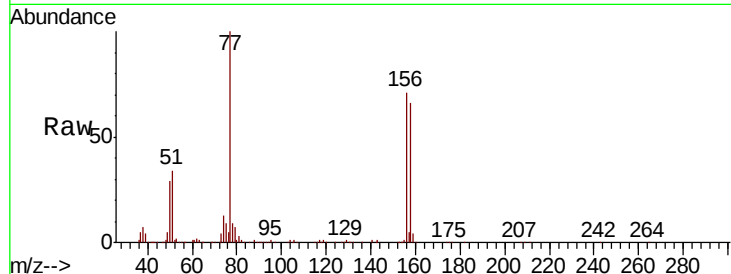
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.7	81.3	243.9
158	93.9	49.6	149.0

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#78

n-propylbenzene

Concen: 49.951 ug/l

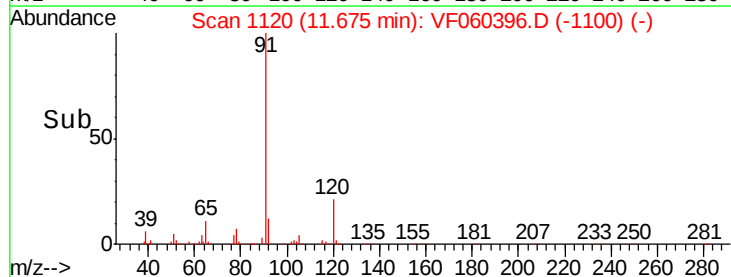
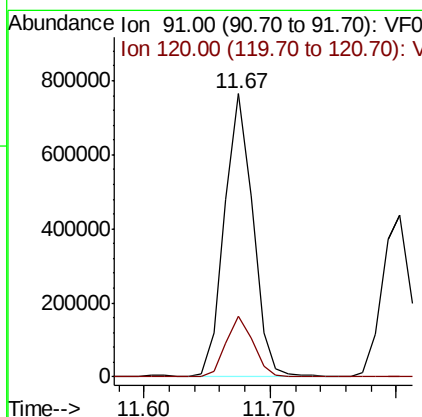
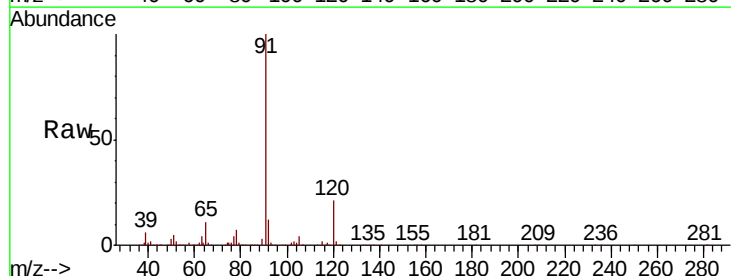
RT: 11.67 min Scan# 1120

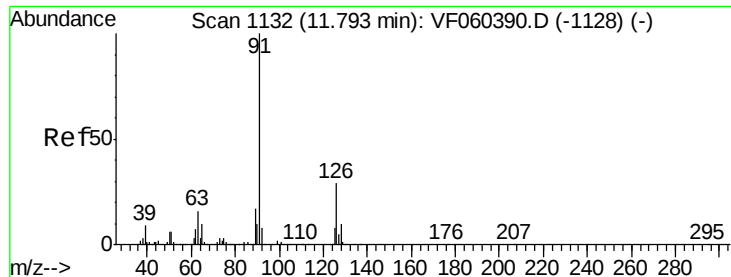
Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.5	31.6





#79

2-Chlorotoluene

Concen: 49.749 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 694870

Ion Ratio Lower Upper

91 100

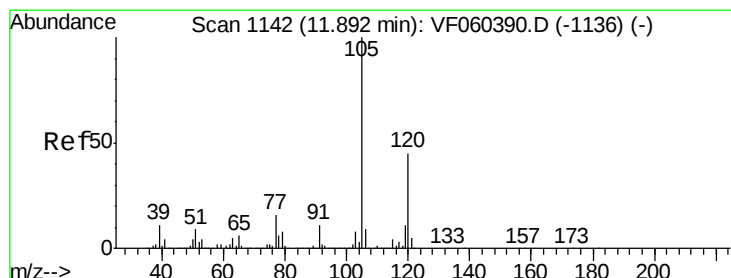
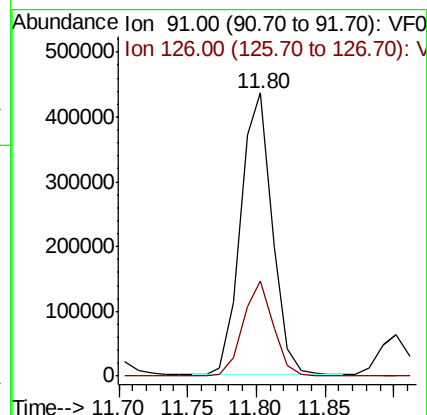
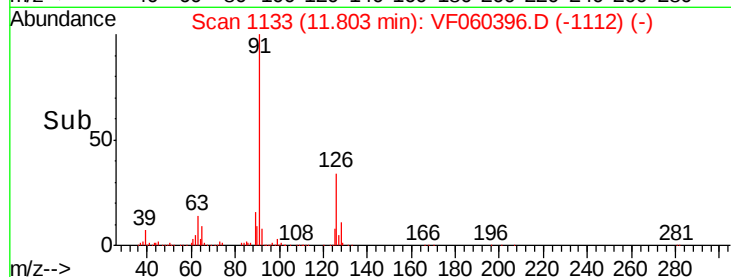
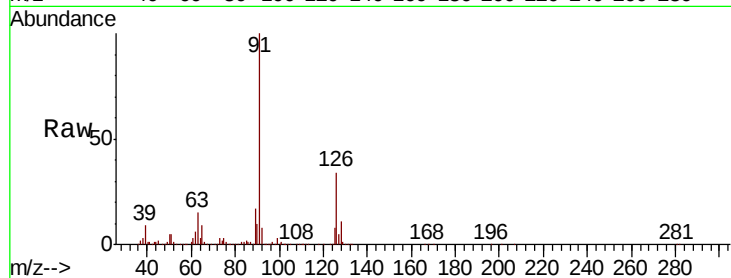
126 33.7 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 50.145 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060396.D

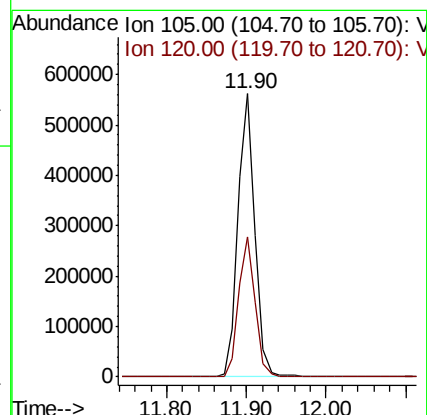
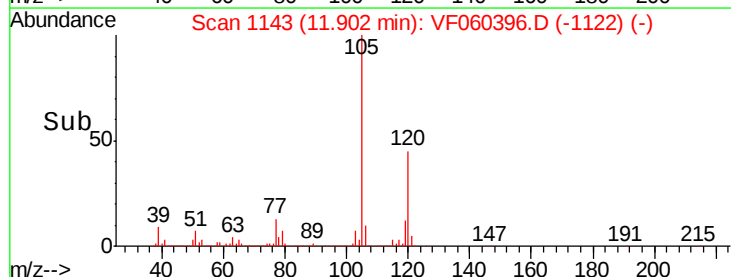
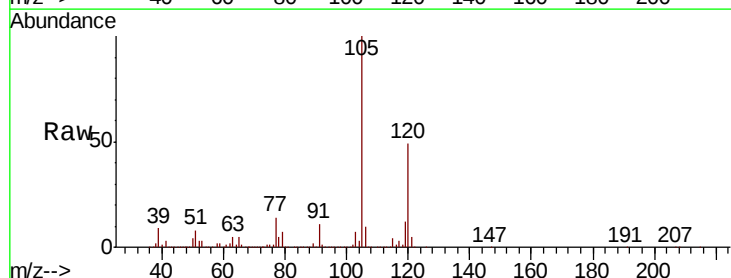
Acq: 2 Oct 2018 11:38

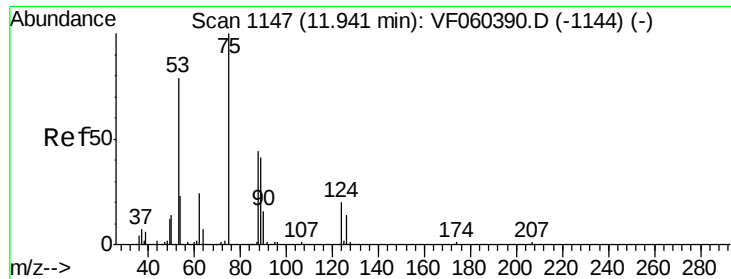
Tgt Ion: 105 Resp: 839122

Ion Ratio Lower Upper

105 100

120 49.4 22.3 66.9





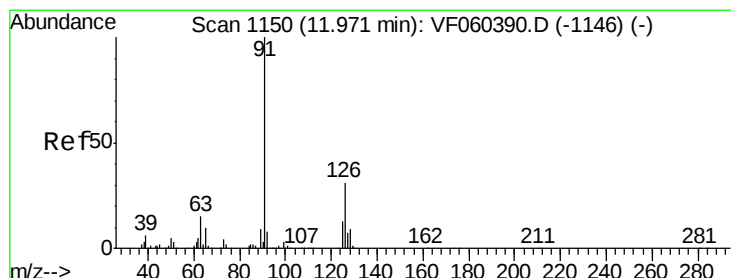
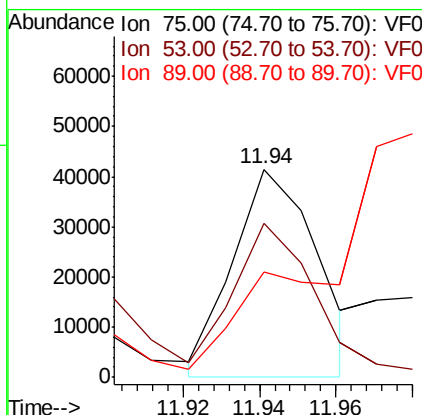
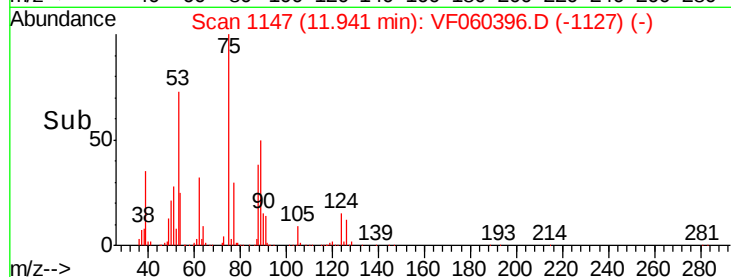
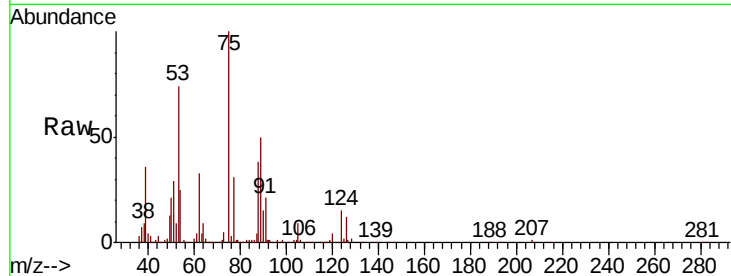
#81
trans-1,4-Dichloro-2-butene
Concen: 53.953 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.0	67.8	101.8
89	50.5	36.7	55.1

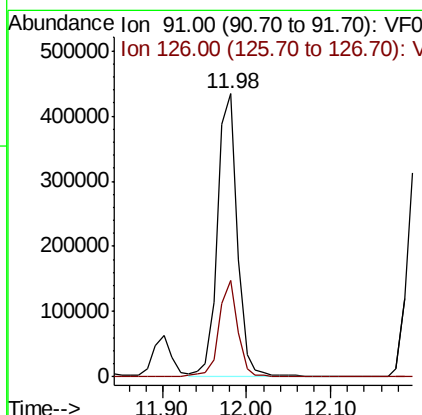
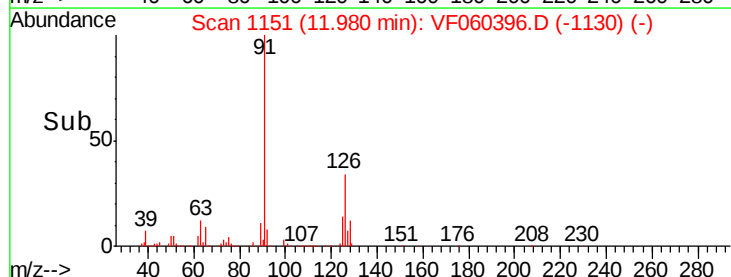
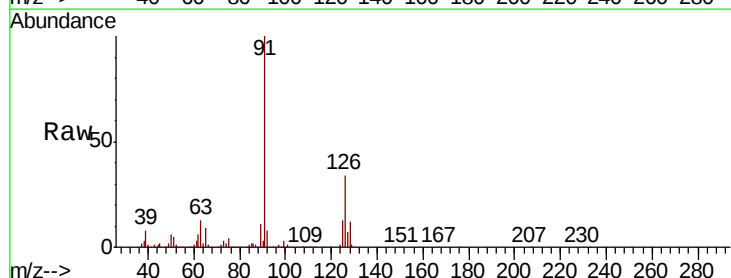
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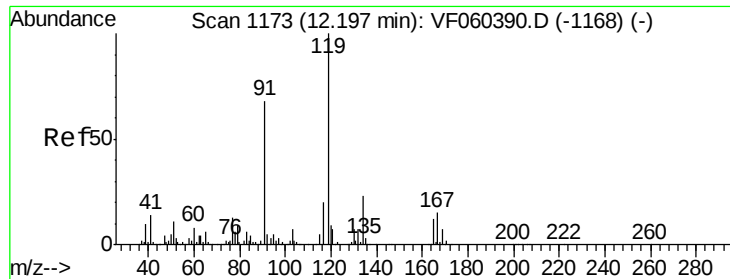
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#82
4-Chlorotoluene
Concen: 49.680 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	15.7	47.0





#83

tert-Butylbenzene

Concen: 50.862 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

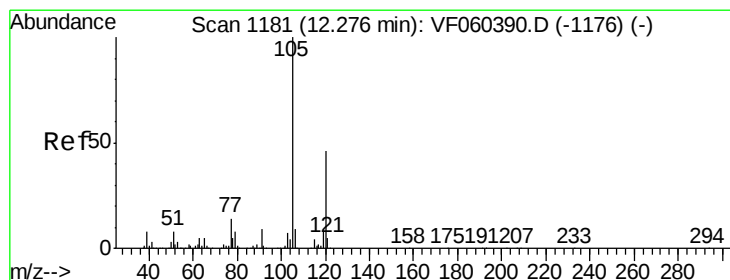
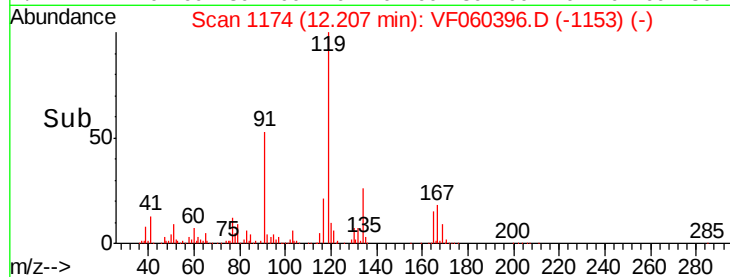
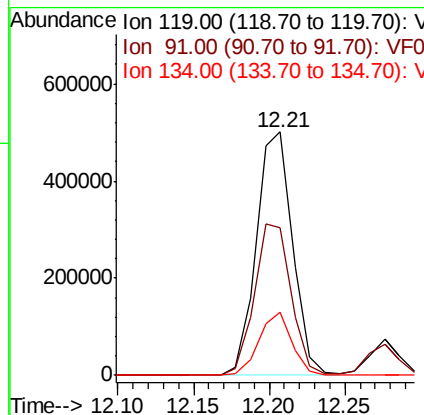
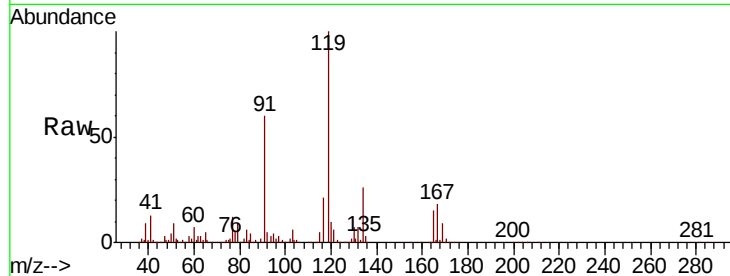
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	34.0	102.0
134	25.8	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 51.312 ug/l

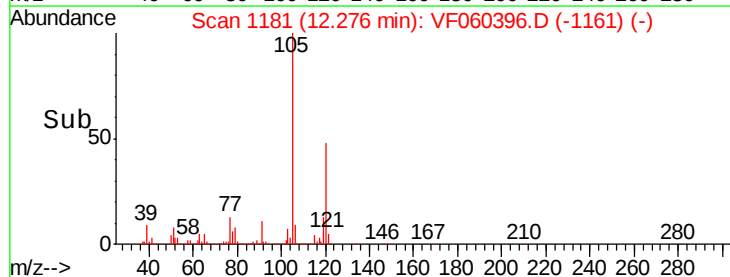
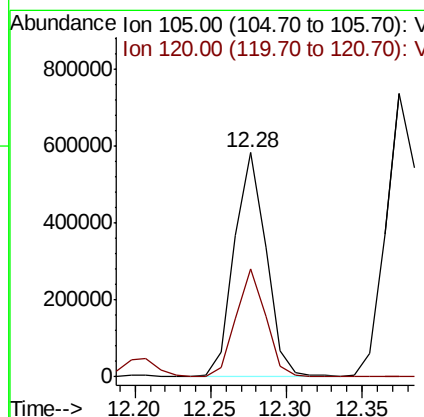
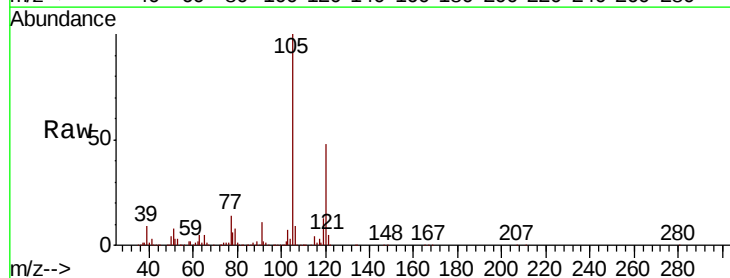
RT: 12.28 min Scan# 1181

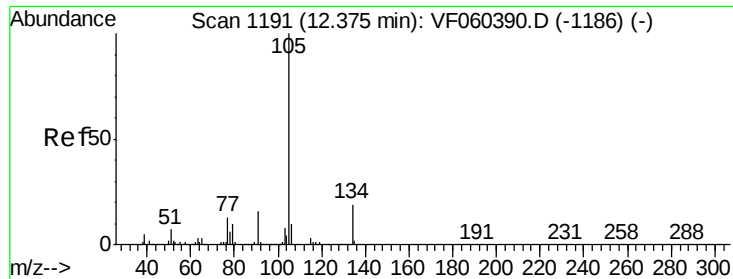
Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.277 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1122630

Ion Ratio Lower Upper

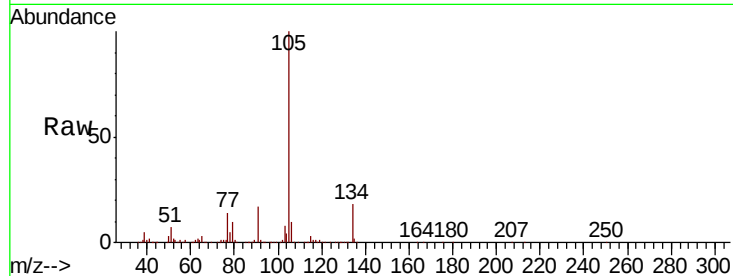
105 100

134 18.4 9.4 28.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

800000

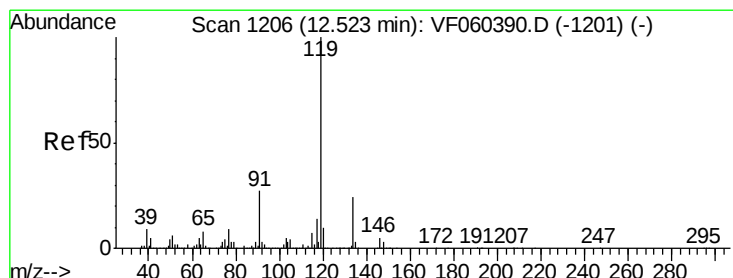
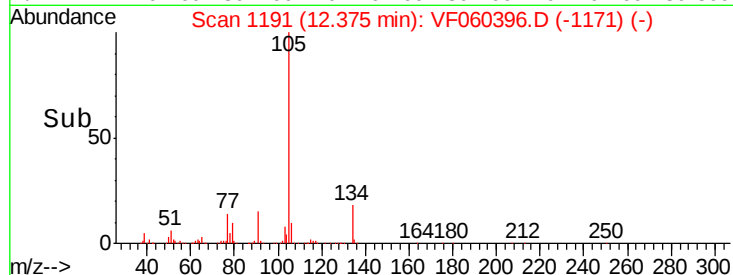
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.513 ug/l

RT: 12.52 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

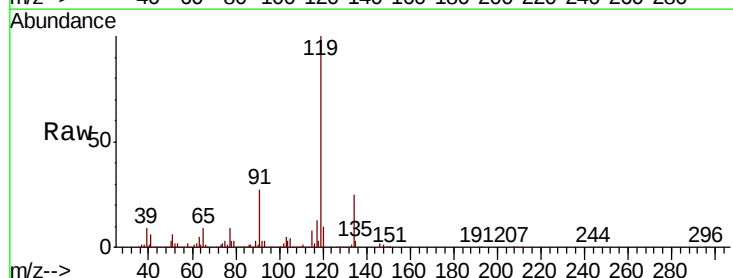
Tgt Ion:119 Resp: 921566

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

91 26.7 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

800000

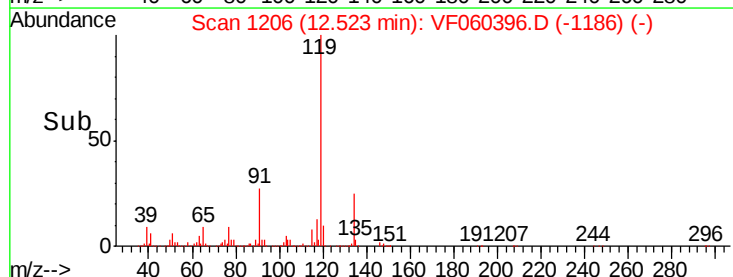
600000

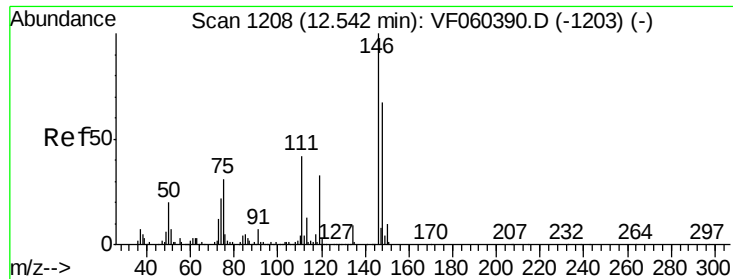
400000

200000

0

Time-->





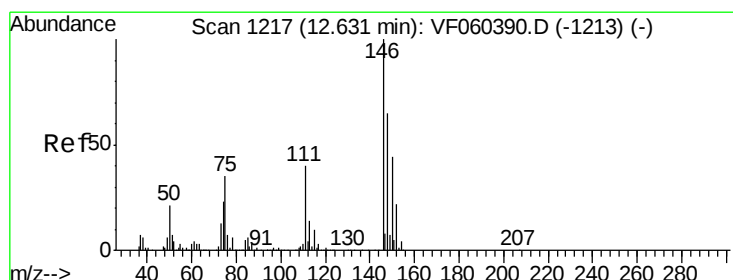
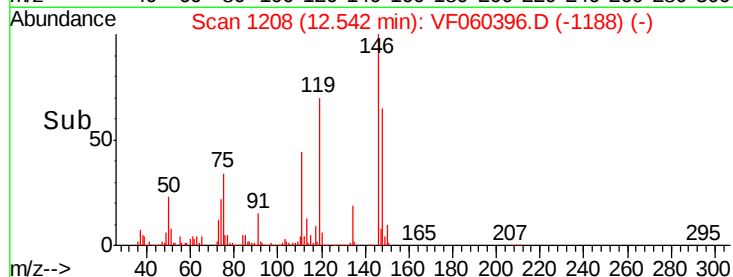
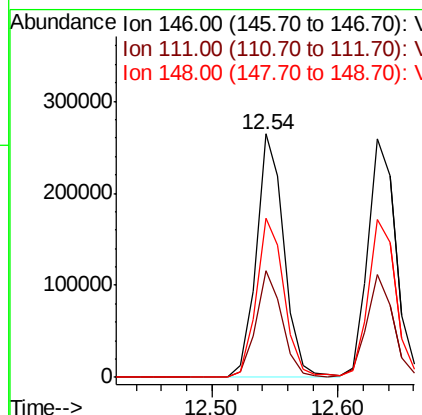
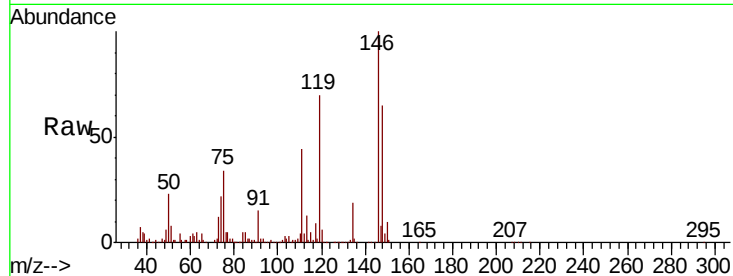
#87
 1,3-Dichlorobenzene
 Concen: 48.843 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.7
148	65.5	33.6	100.8

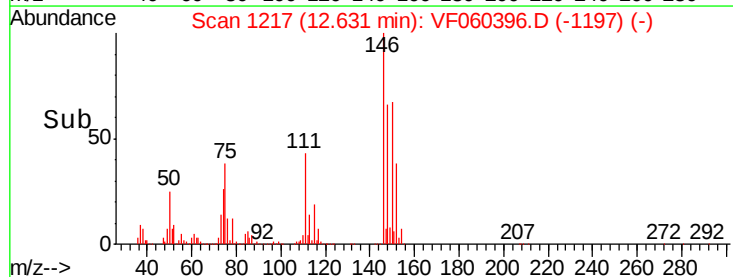
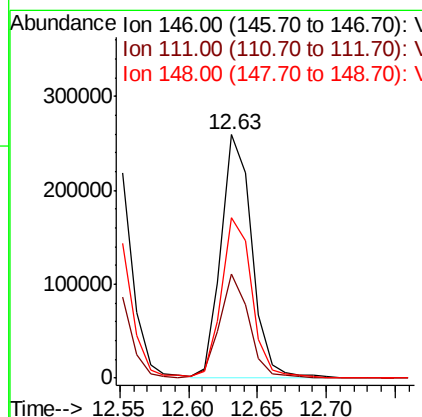
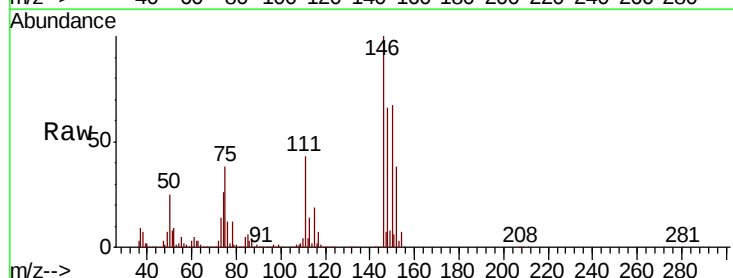
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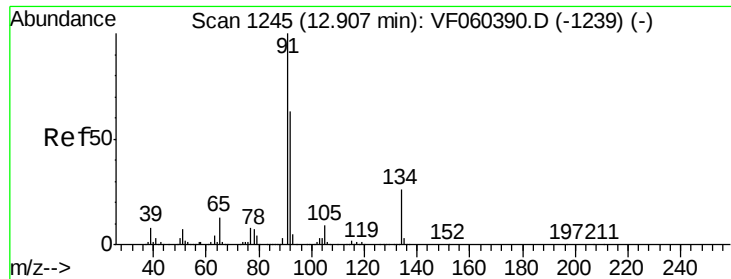
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#88
 1,4-Dichlorobenzene
 Concen: 49.338 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.2	60.6
148	65.9	32.6	97.8





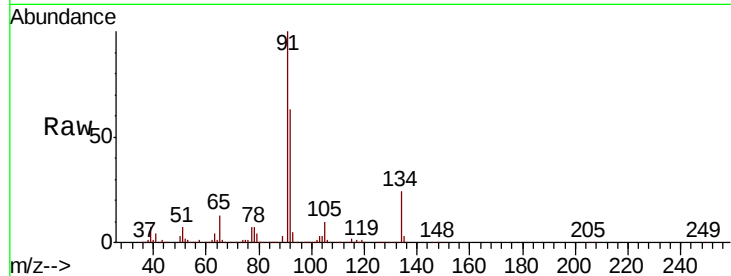
#89
n-Butylbenzene
Concen: 49.089 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

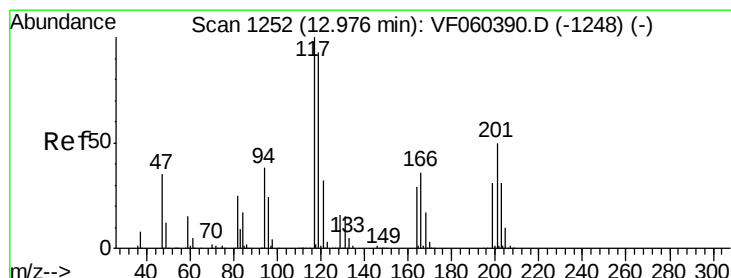
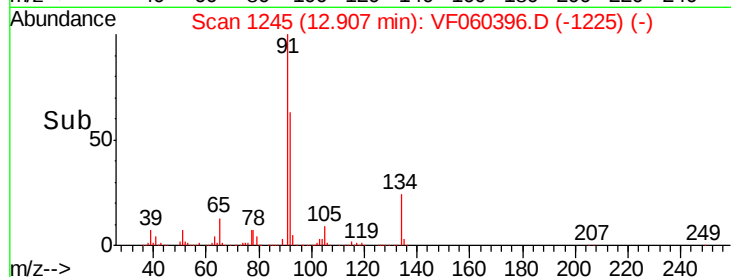
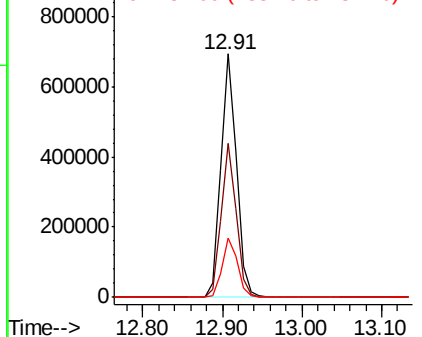
Tot Ion	Ratio	Lower	Upper
91	100		
92	63.3	31.3	93.9
134	24.3	13.0	38.9

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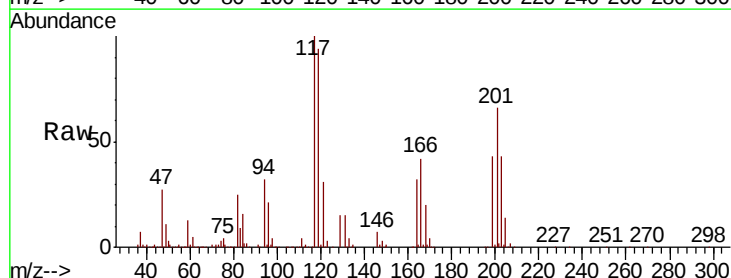


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

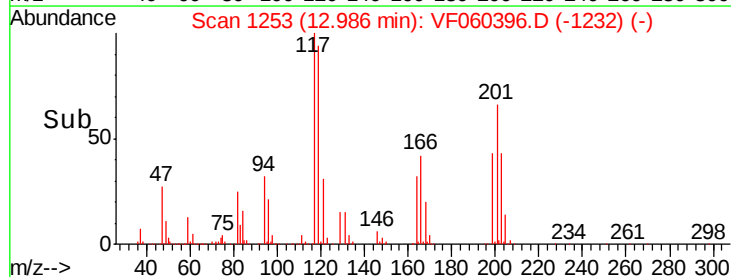
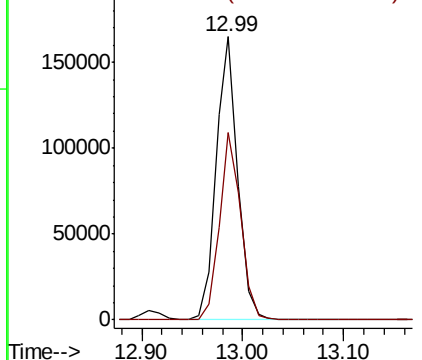


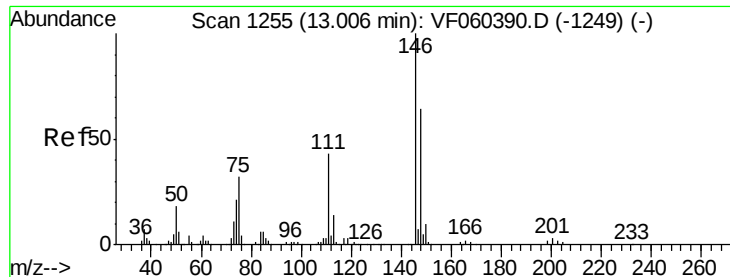
#90
Hexachloroethane
Concen: 51.098 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.0	25.5	76.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





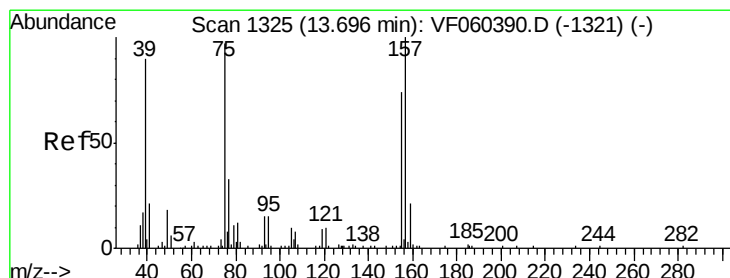
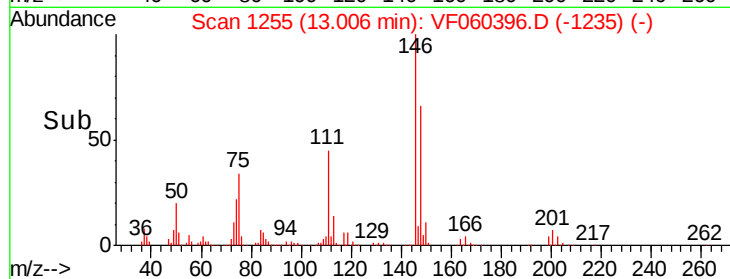
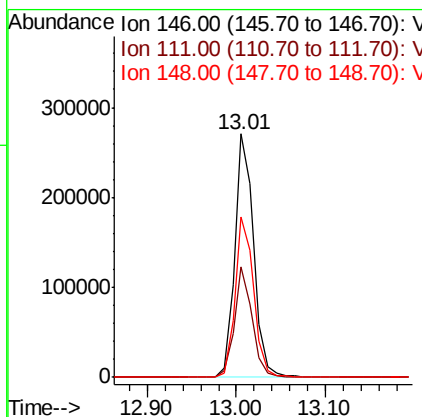
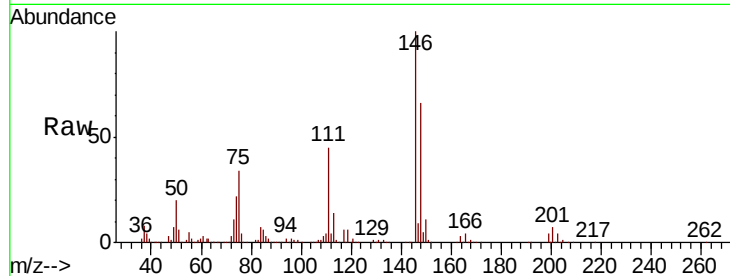
#91
 1,2-Dichlorobenzene
 Concen: 50.664 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.3	64.0
148	66.0	32.2	96.6

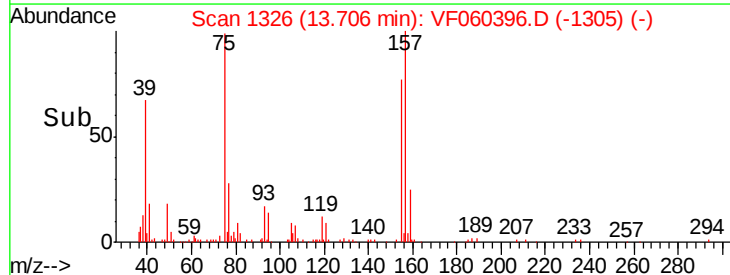
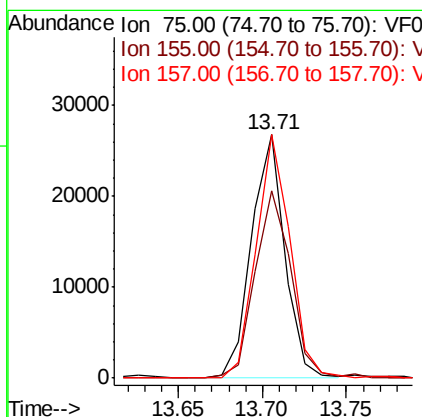
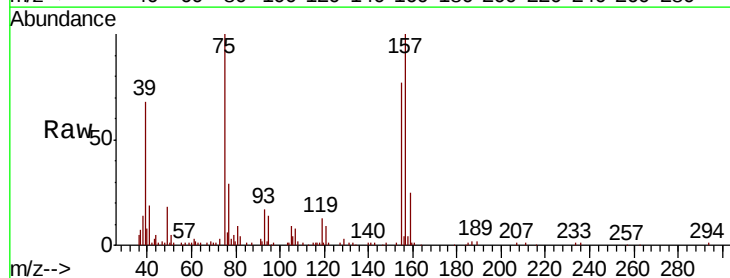
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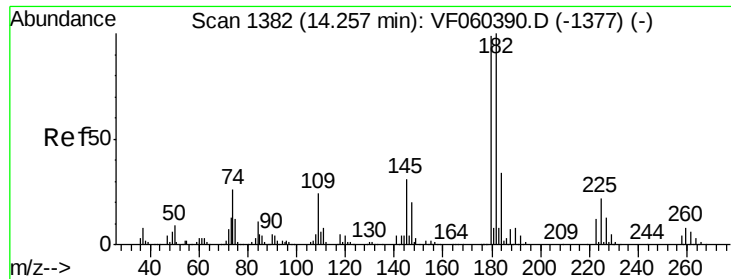
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.797 ug/l
 RT: 13.71 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	37.9	113.6
157	103.8	51.3	154.0





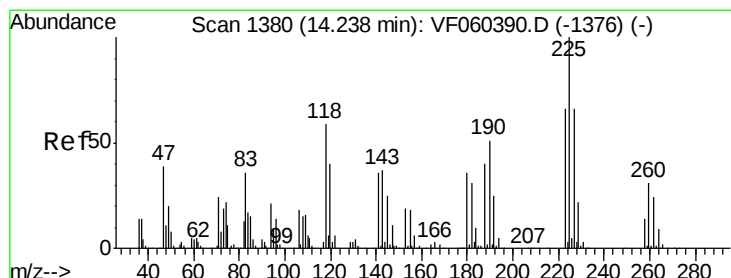
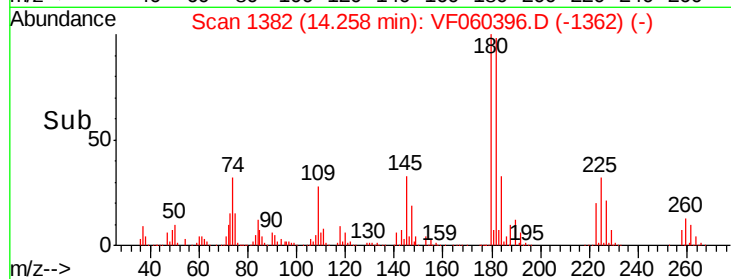
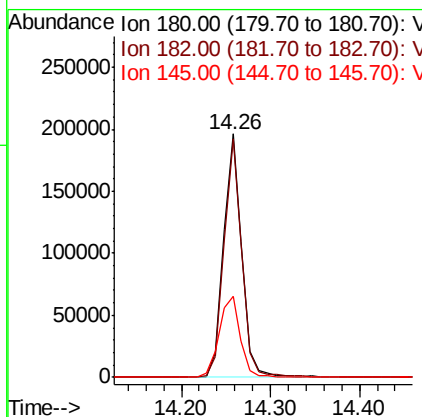
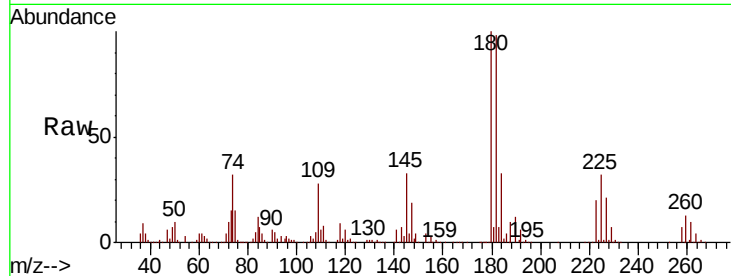
#93
 1,2,4-Trichlorobenzene
 Concen: 48.172 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285819		
182	97.8	50.3	150.9	
145	33.4	15.5	46.5	

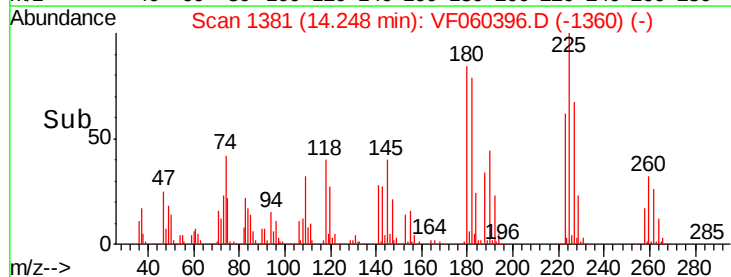
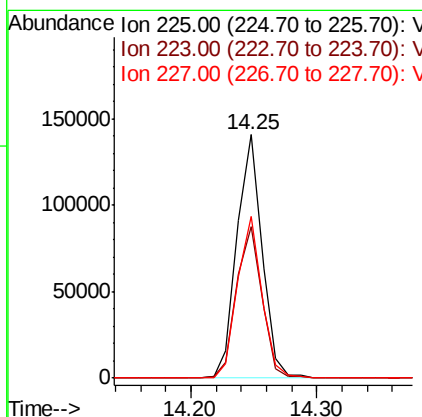
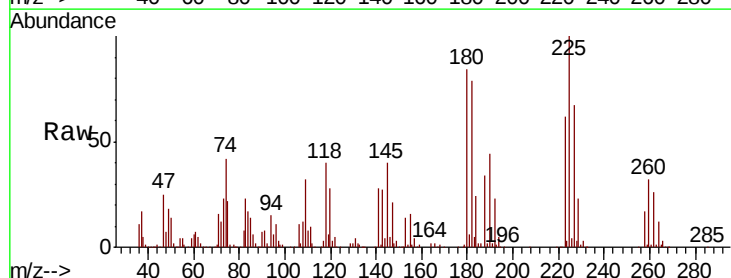
Manual Integrations
 APPROVED

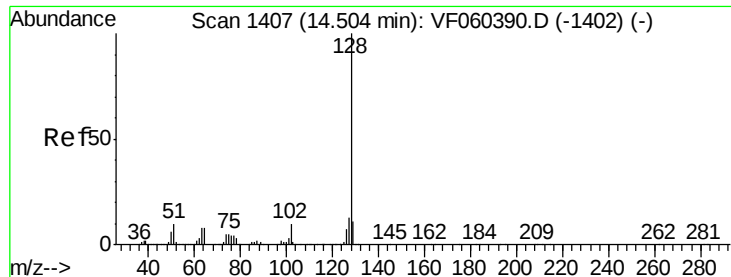
apatel
 10/3/2018 1:01:59 PM



#94
 Hexachlorobutadiene
 Concen: 46.688 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	193336		
223	62.0	32.8	98.4	
227	66.5	33.0	99.0	





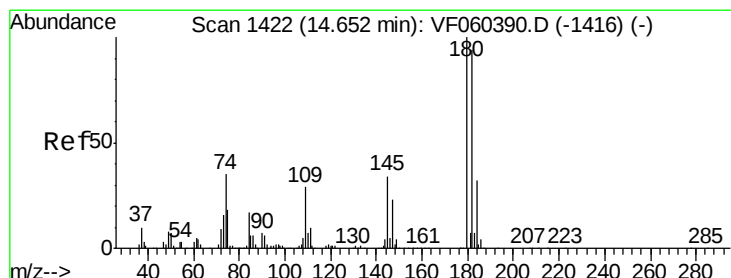
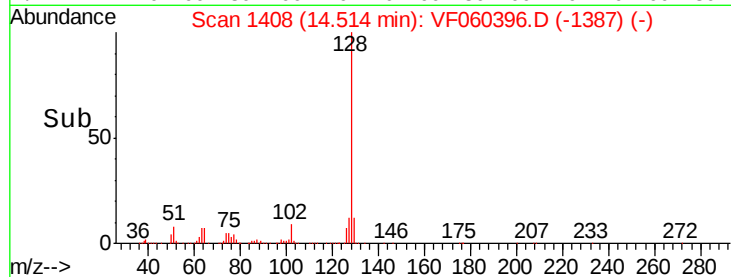
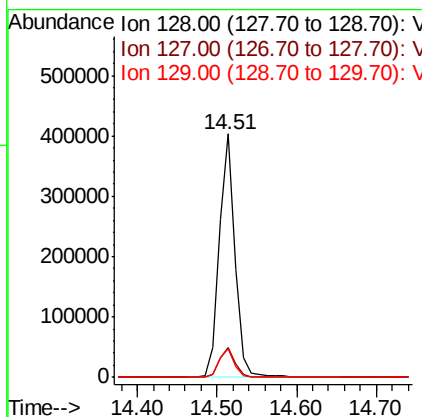
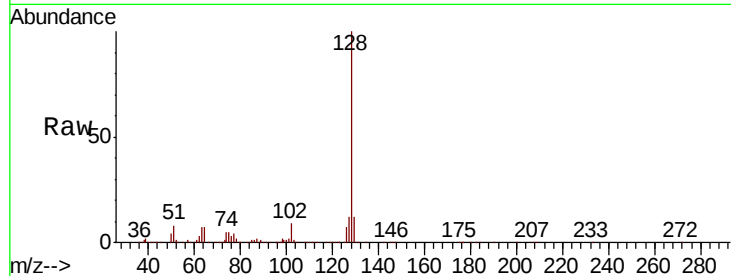
#95
Naphthalene
Concen: 53.203 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	564399		
127	12.3	10.0	15.0	
129	11.8	8.7	13.1	

Manual Integrations
APPROVED

apatel
10/3/2018 1:01:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.659 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	276194		
182	102.3	46.8	140.3	
145	33.7	16.9	50.6	

