

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060390.D
 Acq On : 1 Oct 2018 18:42
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:38 PM

Quant Time: Oct 02 00:28:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	233614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	405200	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	357790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	199896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	192778	58.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.64%	
35) Dibromofluoromethane	4.26	113	196987	53.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.98%	
50) Toluene-d8	7.68	98	489203	51.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.49	95	215482	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	272752	60.957	ug/l	100
3) Chloromethane	1.13	50	158897	48.885	ug/l	100
4) Vinyl Chloride	1.18	62	166412	49.996	ug/l	100
5) Bromomethane	1.35	94	137014	59.352	ug/l	100
6) Chloroethane	1.42	64	87195	54.674	ug/l	100
7) Trichlorofluoromethane	1.53	101	411043	63.599	ug/l	100
8) Diethyl Ether	1.69	74	49436	48.350	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	185374	55.465	ug/l	100
10) Methyl Iodide	1.96	142	280768	52.611	ug/l	100
11) Tert butyl alcohol	2.67	59	54858	261.601	ug/l	100
12) 1,1-Dichloroethene	1.85	96	140140	51.732	ug/l	100
13) Acrolein	2.07	56	45879	382.238	ug/l	100
14) Allyl chloride	2.17	41	232280	49.611	ug/l	100
15) Acrylonitrile	3.05	53	92985	211.614	ug/l	100
16) Acetone	2.32	43	200883	228.433	ug/l	100
17) Carbon Disulfide	1.89	76	435936	52.329	ug/l	100
18) Methyl Acetate	2.43	43	67894	45.045	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	356464	52.415	ug/l	100
20) Methylene Chloride	2.26	84	137056m	43.218	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	141466	50.299	ug/l	100
22) Diisopropyl ether	2.90	45	407863	46.560	ug/l	100
23) Vinyl Acetate	3.31	43	811336	234.662	ug/l	100
24) 1,1-Dichloroethane	2.98	63	278678	48.233	ug/l	100
25) 2-Butanone	4.48	43	219652	191.983	ug/l	100
26) 2,2-Dichloropropane	3.73	77	162652	49.908	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	156058	43.586	ug/l	100
28) Bromochloromethane	3.86	49	112044	49.821	ug/l	100
29) Tetrahydrofuran	4.22	42	90450	210.327	ug/l	100
30) Chloroform	4.01	83	356854	51.483	ug/l	100
31) Cyclohexane	3.83	56	204739	42.932	ug/l	100
32) 1,1,1-Trichloroethane	4.24	97	305758	55.052	ug/l	100
36) 1,1-Dichloropropene	4.43	75	251988	49.450	ug/l	100
37) Ethyl Acetate	4.26	43	90026	42.756	ug/l	100
38) Carbon Tetrachloride	4.14	117	319451m	55.689	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	224822	41.986	ug/l	100
40) Benzene	4.77	78	465932	41.572	ug/l	100
41) Methacrylonitrile	4.89	41	46794	41.429	ug/l	100
42) 1,2-Dichloroethane	5.09	62	236359	54.472	ug/l	100
43) Isopropyl Acetate	7.08	43	107490	42.361	ug/l	100
44) Trichloroethene	5.64	130	148816	44.323	ug/l	100
45) 1,2-Dichloropropane	6.37	63	128225	43.914	ug/l	100
46) Dibromomethane	6.22	93	105692	49.551	ug/l	100
47) Bromodichloromethane	6.52	83	260126	50.503	ug/l	100
48) Methyl methacrylate	6.84	41	80609	44.664	ug/l	100
49) 1,4-Dioxane	6.84	88	14770	924.741	ug/l	100
51) 4-Methyl-2-Pentanone	8.38	43	379969	199.476	ug/l	100
52) Toluene	7.75	92	311368	43.535	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	194566	47.385	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	245689	47.687	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	101748	46.888	ug/l	100
56) Ethyl methacrylate	8.74	69	113986	43.444	ug/l	100
57) 1,3-Dichloropropane	8.97	76	171758	47.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	58124	244.411	ug/l	100
59) 2-Hexanone	9.60	43	262412	194.828	ug/l	100
60) Dibromochloromethane	8.84	129	161186	49.286	ug/l	100
61) 1,2-Dibromoethane	9.11	107	114495	46.855	ug/l	100
64) Tetrachloroethene	8.28	164	139756	43.755	ug/l	100
65) Chlorobenzene	9.92	112	363174	45.292	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	161713	47.893	ug/l	100
67) Ethyl Benzene	10.02	91	688239	46.213	ug/l	100
68) m/p-Xylenes	10.25	106	460354	89.551	ug/l	100
69) o-Xylene	10.81	106	263307	45.767	ug/l	100
70) Styrene	10.88	104	360368	44.535	ug/l	100
71) Bromoform	10.87	173	88170	47.881	ug/l	100
73) Isopropylbenzene	11.21	105	758650	42.989	ug/l	100
74) N-amyl acetate	11.45	43	169698	44.387	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	138560	44.231	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	101944	44.981	ug/l	100
77) Bromobenzene	11.58	156	167885	44.034	ug/l	100
78) n-propylbenzene	11.67	91	934094	44.573	ug/l	100
79) 2-Chlorotoluene	11.79	91	546538	45.223	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	652591	45.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	47708m	40.342	ug/l	
82) 4-Chlorotoluene	11.97	91	547769	45.309	ug/l	100
83) tert-Butylbenzene	12.20	119	661473	45.585	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	649648	44.578	ug/l	100
85) sec-Butylbenzene	12.37	105	891070	44.594	ug/l	100
86) p-Isopropyltoluene	12.52	119	729480	45.872	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	316704	44.241	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	316273	44.886	ug/l	100
89) n-Butylbenzene	12.91	91	791728	46.746	ug/l	100
90) Hexachloroethane	12.98	117	195366	47.836	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	307937	44.938	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26593	44.835	ug/l	100

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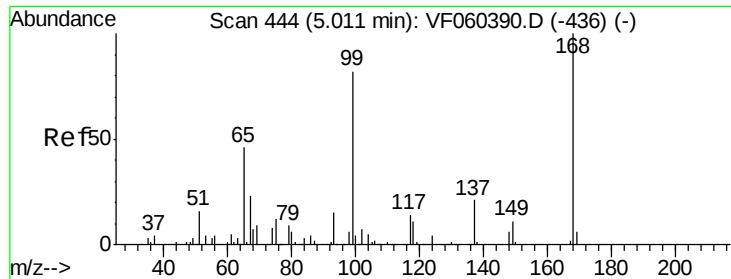
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	230774	46.132	ug/l	100
94) Hexachlorobutadiene	14.24	225	161065	47.675	ug/l	100
95) Naphthalene	14.50	128	423783	47.967	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	222478	48.230	ug/l	100

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



#1

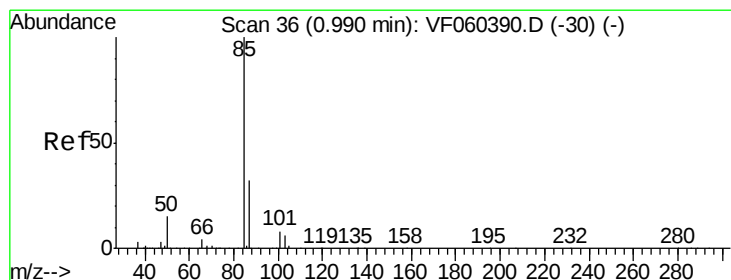
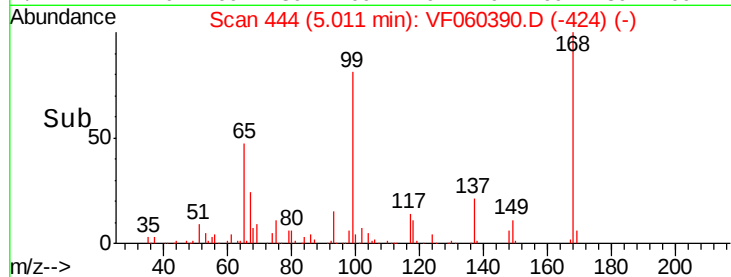
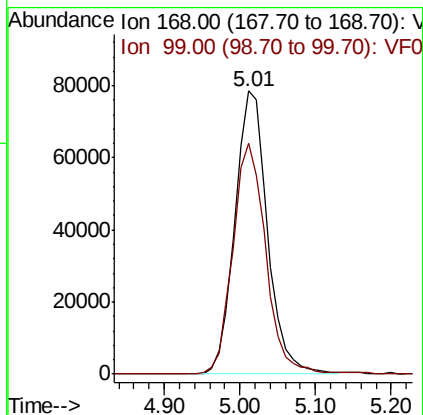
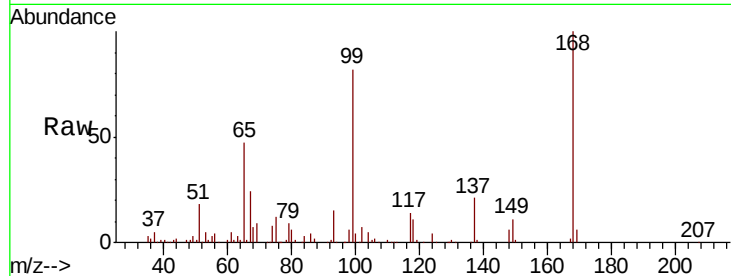
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	81.6	65.3	97.9

Manual Integrations
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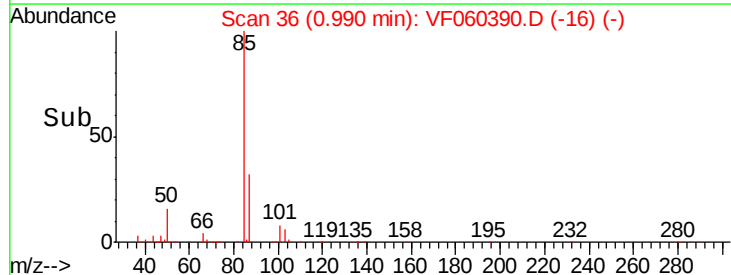
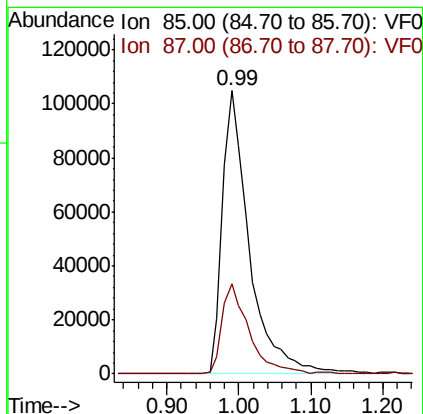
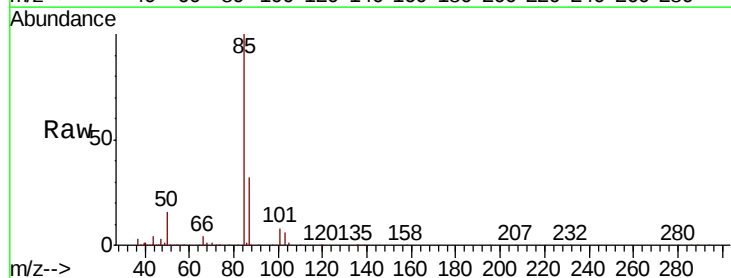
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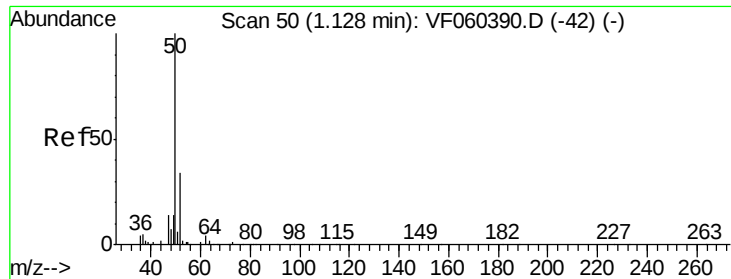


#2

Dichlorodifluoromethane
 Concen: 60.957 ug/l
 RT: 0.99 min Scan# 36
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.9	47.6





#3

Chloromethane

Concen: 48.885 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 158897

Ion Ratio Lower Upper

50 100

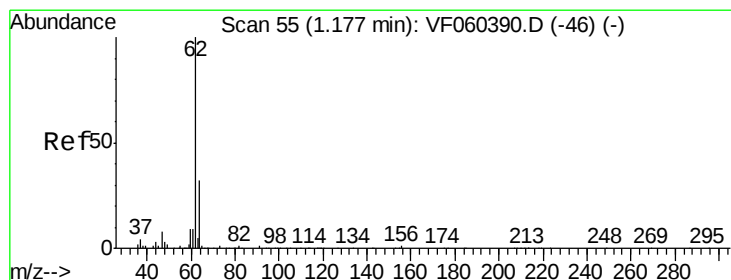
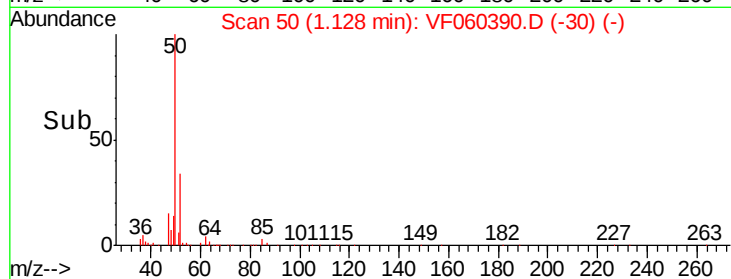
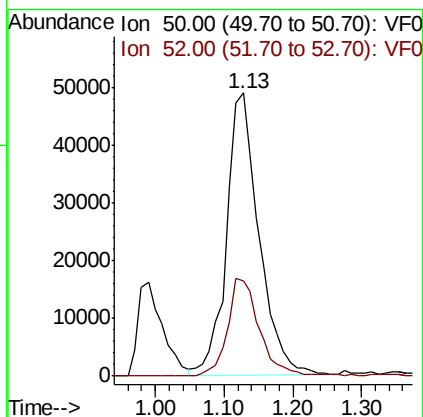
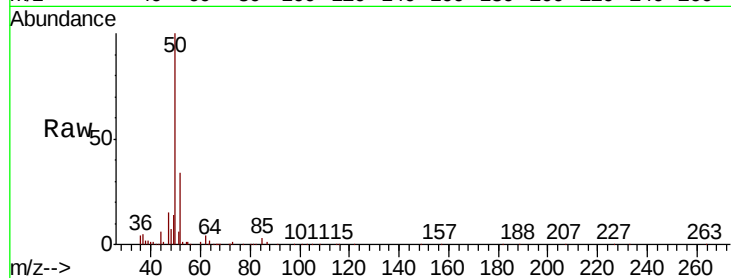
52 33.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.996 ug/l

RT: 1.18 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060390.D

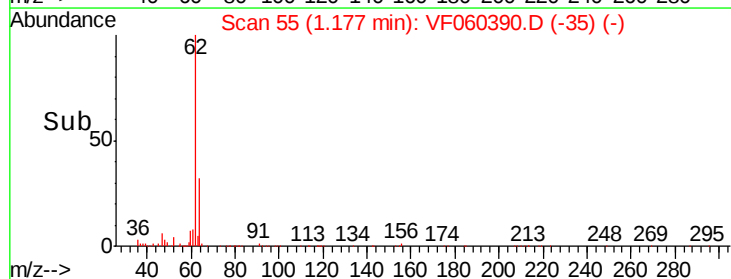
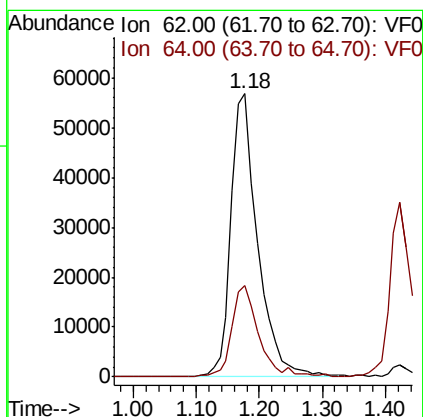
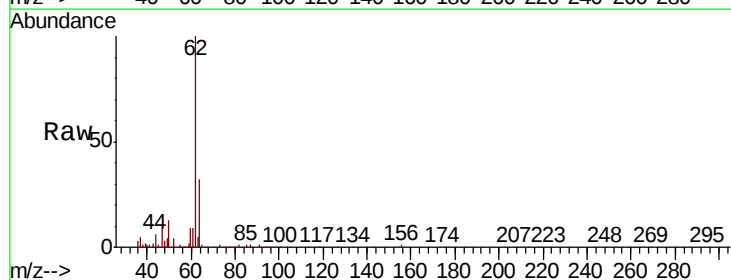
Acq: 1 Oct 2018 18:42

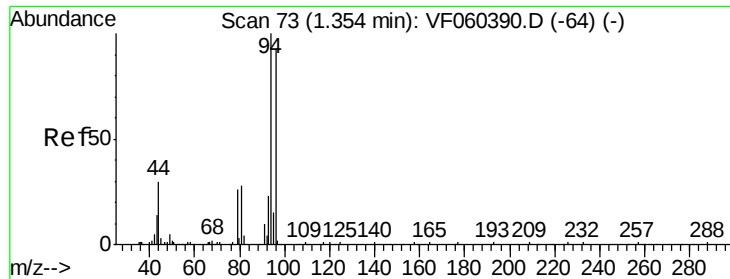
Tgt Ion: 62 Resp: 166412

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6





#5

Bromomethane

Concen: 59.352 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 137014

Ion Ratio Lower Upper

94 100

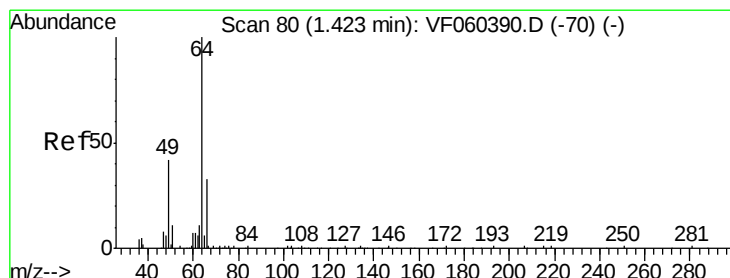
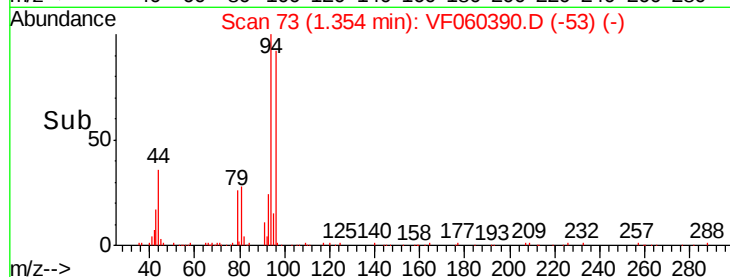
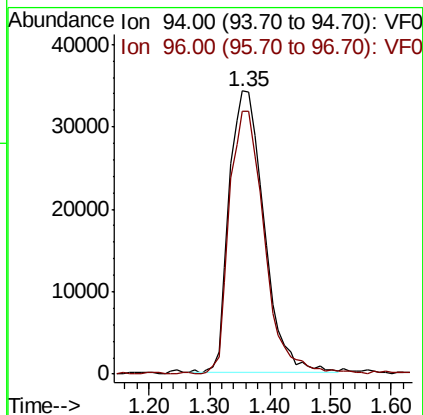
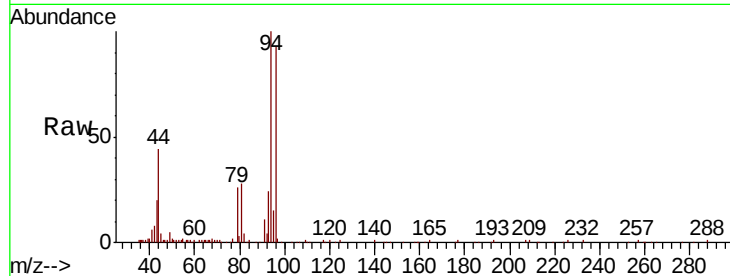
96 92.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 54.674 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060390.D

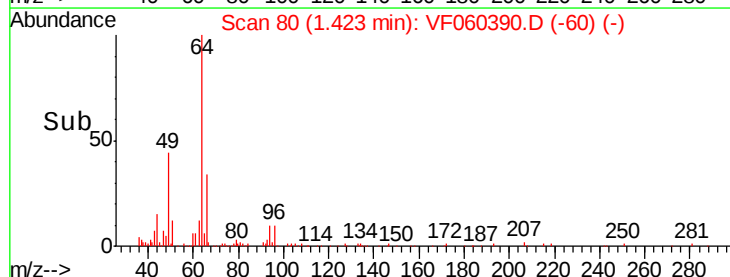
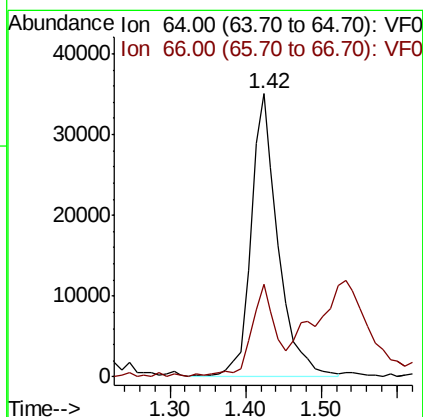
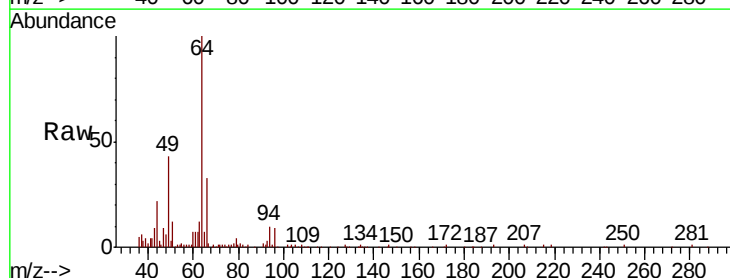
Acq: 1 Oct 2018 18:42

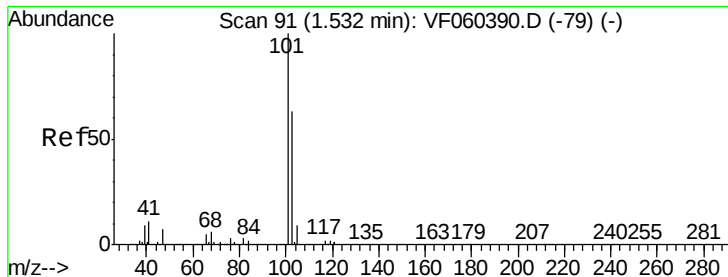
Tgt Ion: 64 Resp: 87195

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5





#7

Trichlorofluoromethane

Concen: 63.599 ug/l

RT: 1.53 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF060390.D

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Tot Ion:101 Resp: 411043

Ion Ratio Lower Upper

101 100

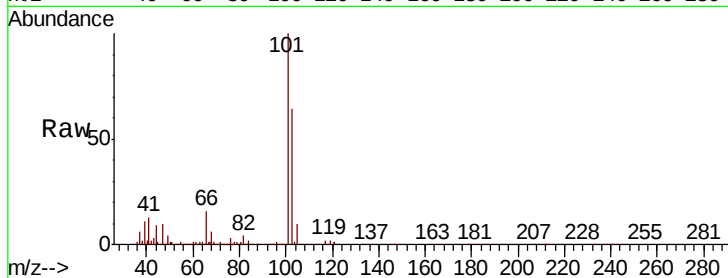
103 63.7 51.0 76.4

Manual Integrations

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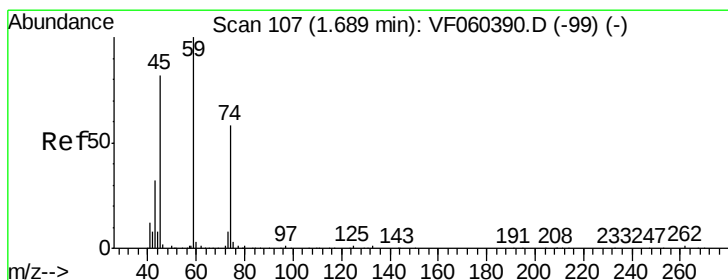
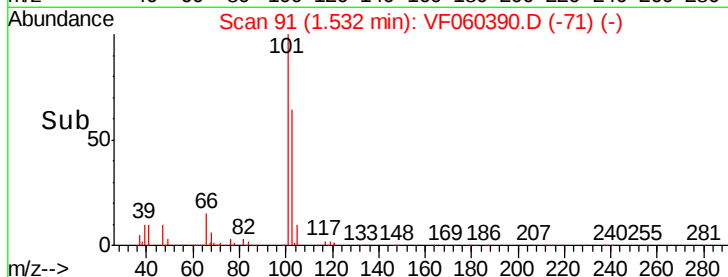
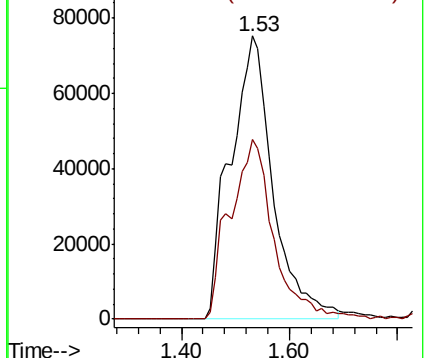
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 48.350 ug/l

RT: 1.69 min Scan# 107

Delta R.T. 0.00 min

Lab File: VF060390.D

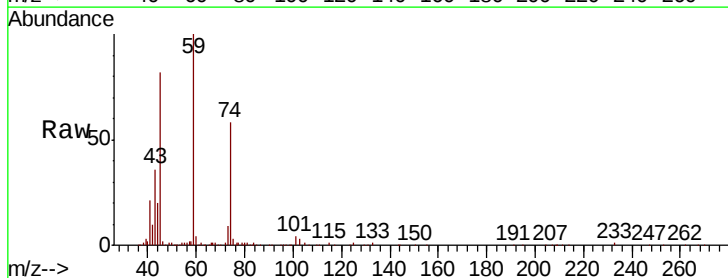
Acq: 1 Oct 2018 18:42

Tgt Ion: 74 Resp: 49436

Ion Ratio Lower Upper

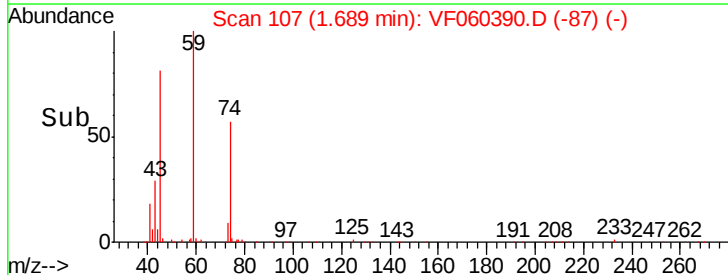
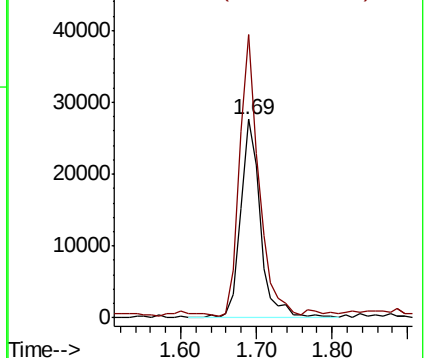
74 100

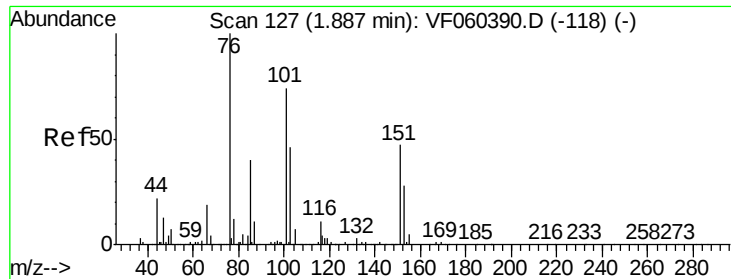
45 142.5 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.465 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

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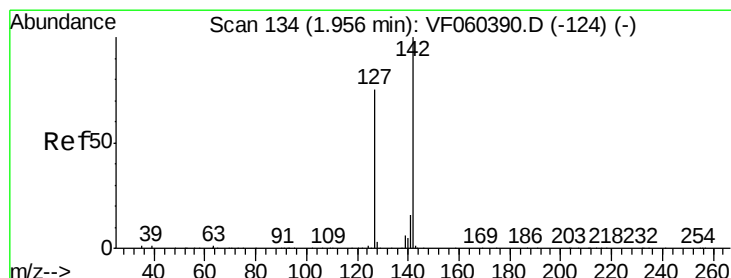
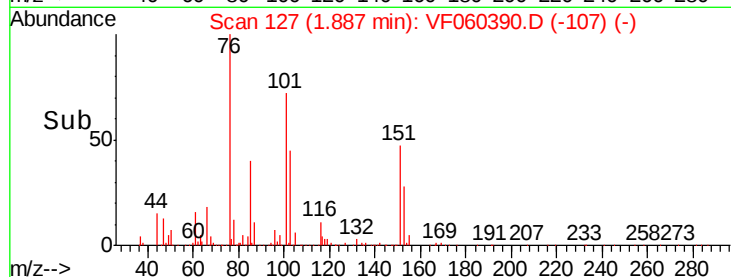
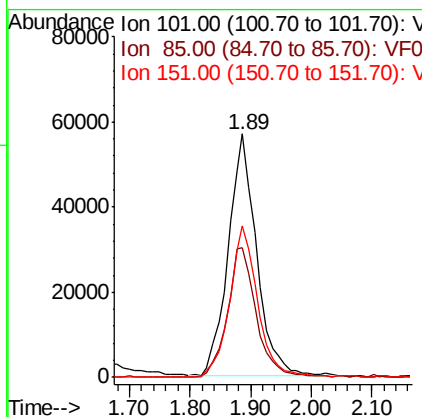
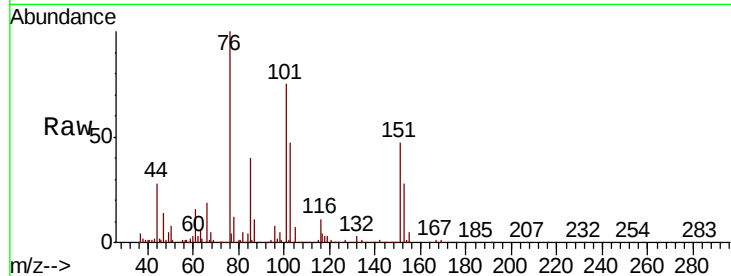
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	185374
Ion Ratio	Lower	Upper	
101	100		
85	53.1	42.5	63.7
151	62.3	49.8	74.8

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#10

Methyl Iodide

Concen: 52.611 ug/l

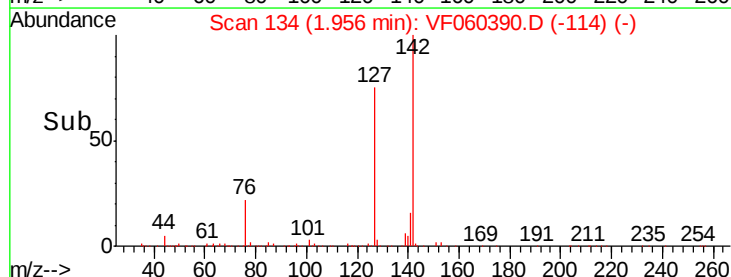
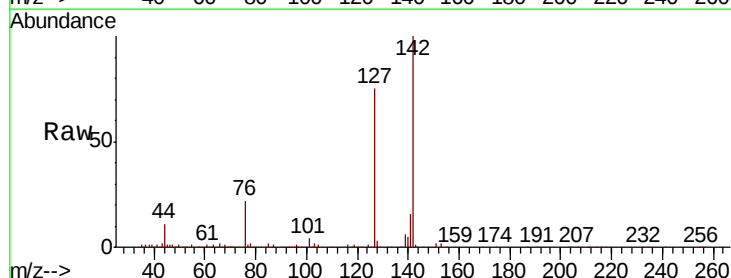
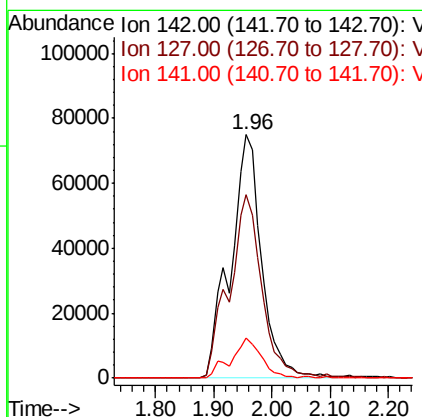
RT: 1.96 min Scan# 134

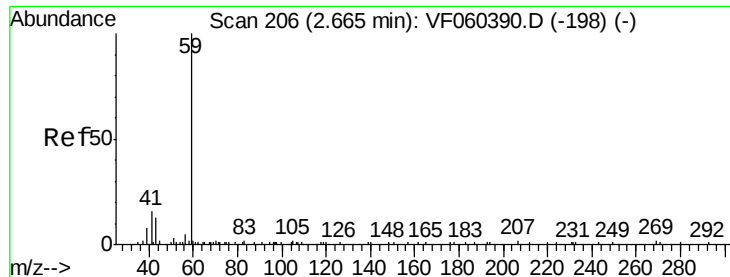
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion:	142	Resp:	280768
Ion Ratio	Lower	Upper	
142	100		
127	75.2	60.2	90.2
141	16.4	13.1	19.7





#11

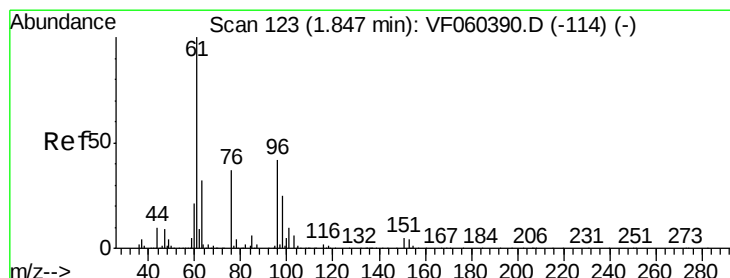
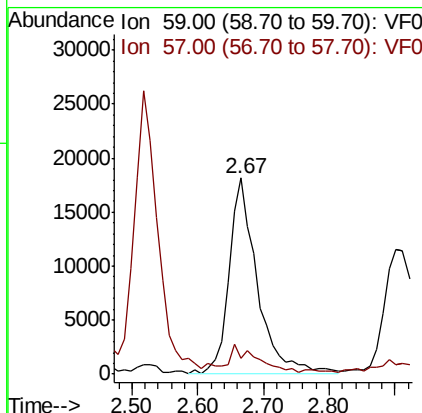
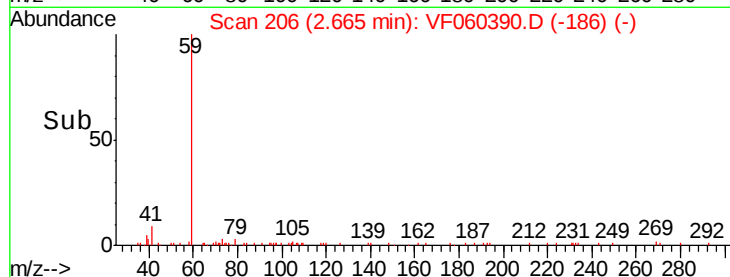
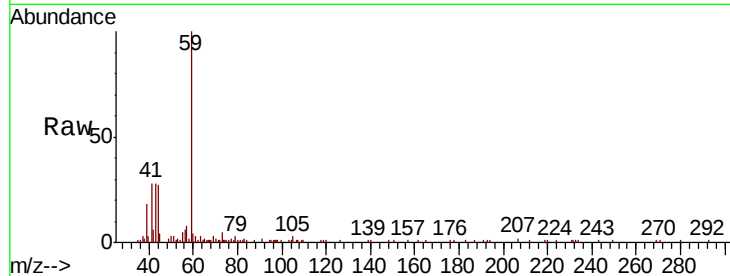
Tert butyl alcohol
 Concen: 261.601 ug/l
 RT: 2.67 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	6.5	9.7

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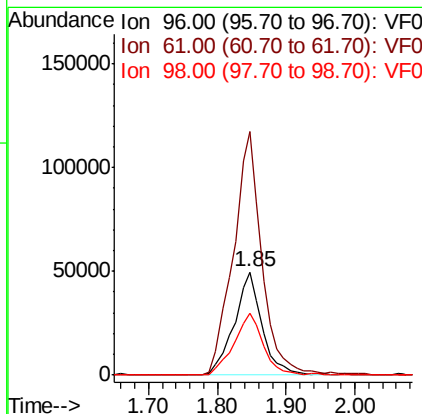
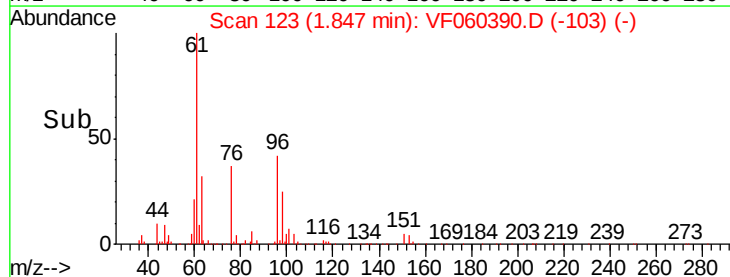
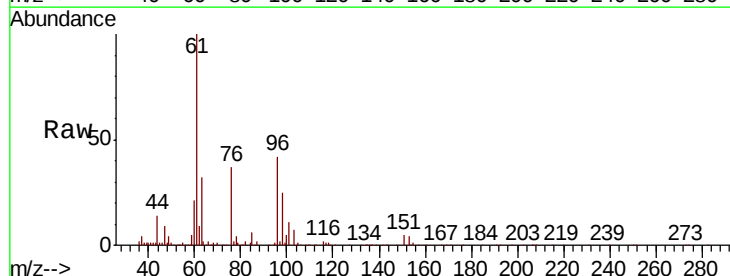
apatel
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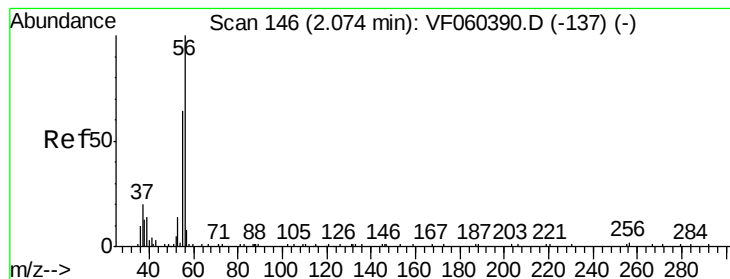


#12

1,1-Dichloroethene
 Concen: 51.732 ug/l
 RT: 1.85 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.7	189.4	284.0
98	59.7	47.8	71.6





#13

Acrolein

Concen: 382.238 ug/l

RT: 2.07 min Scan# 146

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 45879

Ion Ratio Lower Upper

56 100

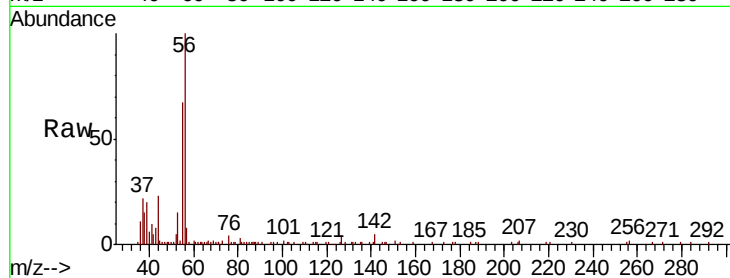
55 67.4 53.9 80.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.07

20000

15000

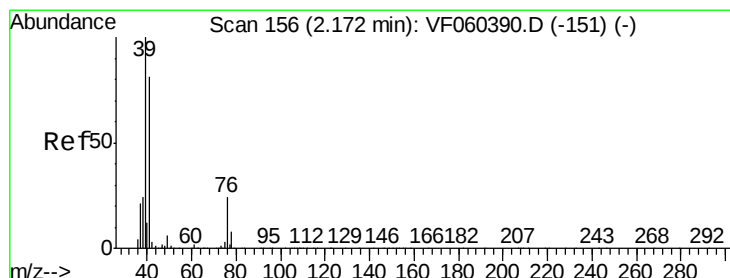
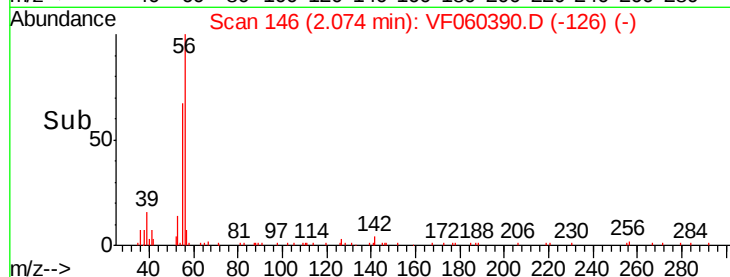
10000

5000

0

1.90 2.00 2.10 2.20 2.30

Time-->



#14

Allyl chloride

Concen: 49.611 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

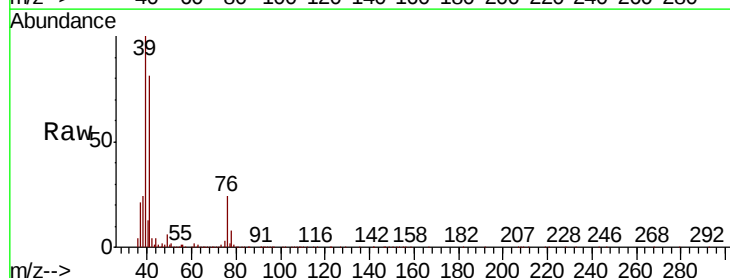
Tgt Ion: 41 Resp: 232280

Ion Ratio Lower Upper

41 100

39 122.9 98.3 147.5

76 29.9 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

150000

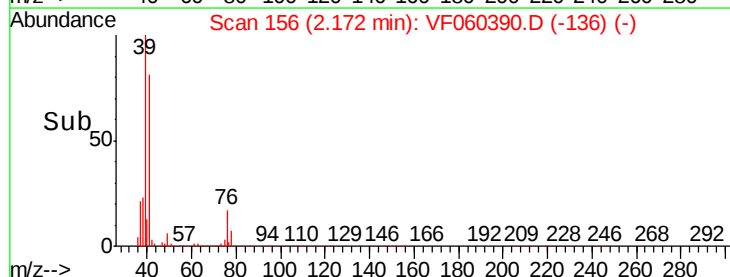
100000

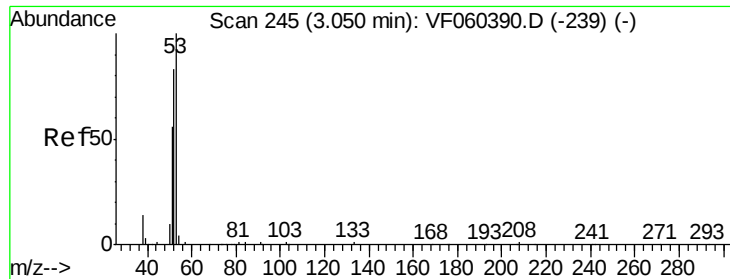
50000

0

2.10 2.20 2.30

Time-->





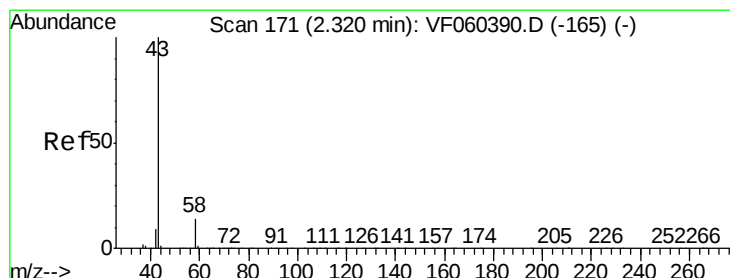
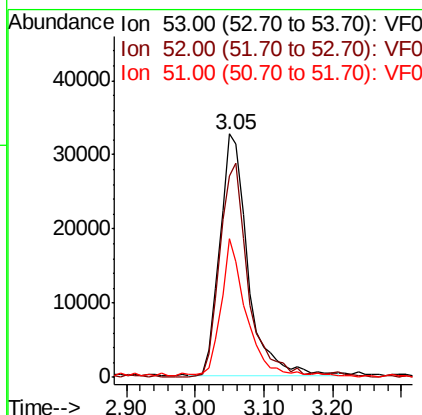
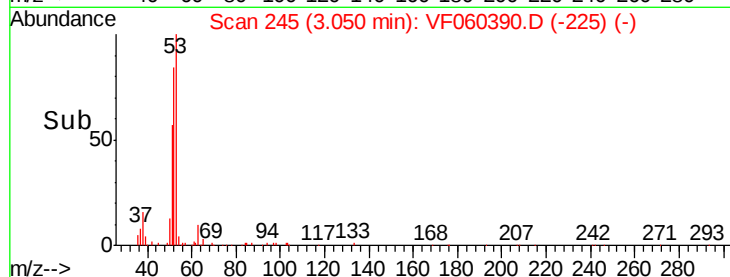
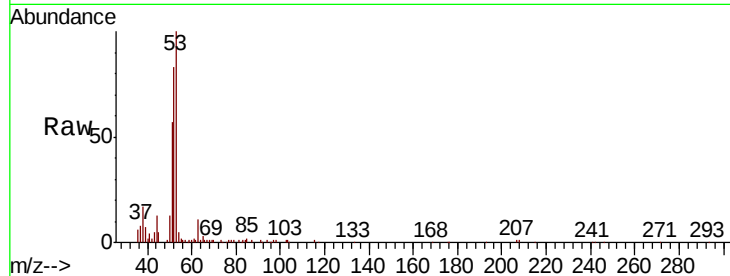
#15
 Acrylonitrile
 Concen: 211.614 ug/l
 RT: 3.05 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	57.0	45.6	68.4

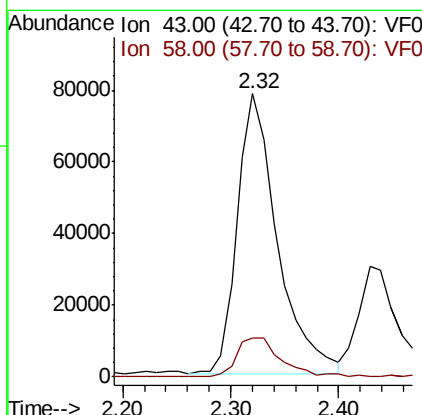
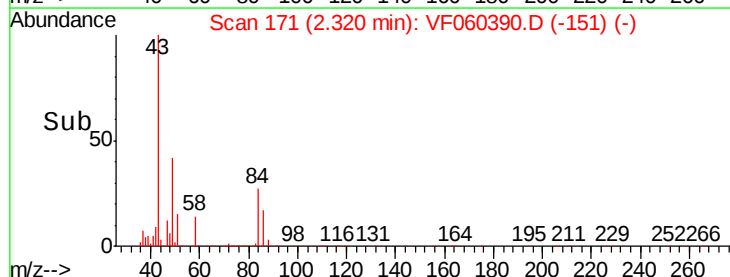
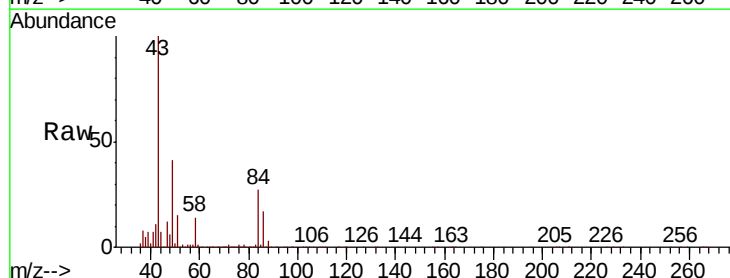
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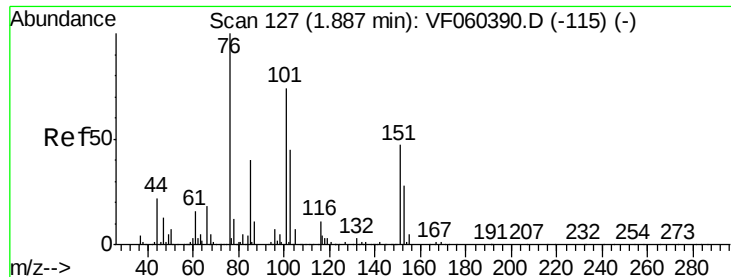
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#16
 Acetone
 Concen: 228.433 ug/l
 RT: 2.32 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.0	11.2	16.8





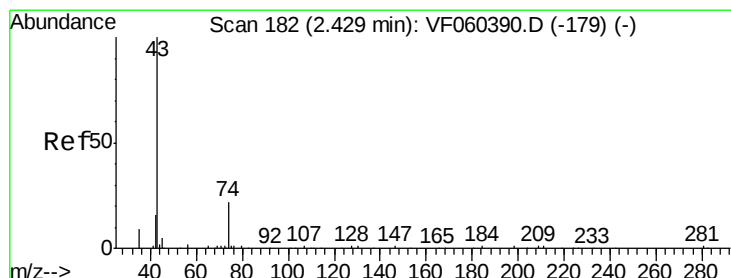
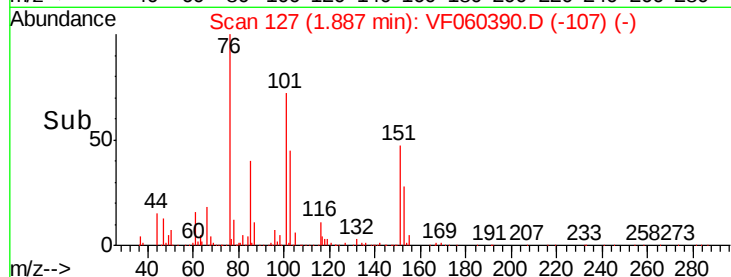
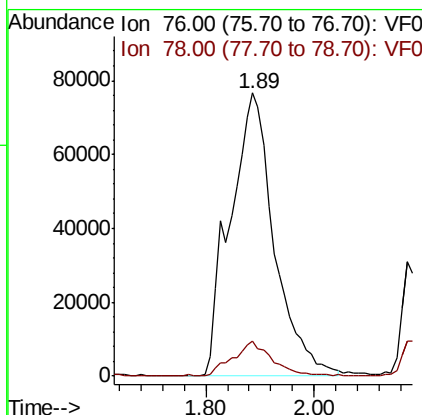
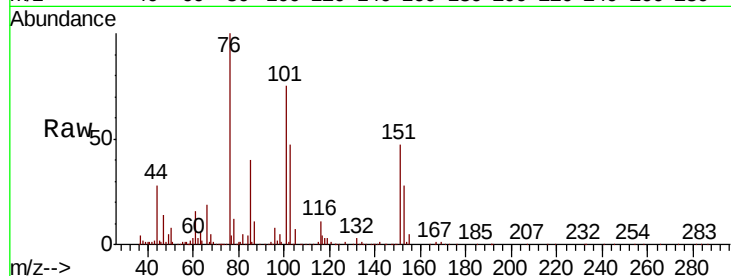
#17
Carbon Disulfide
Concen: 52.329 ug/l
RT: 1.89 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 435936
Ion Ratio Lower Upper
76 100
78 12.6 10.1 15.1

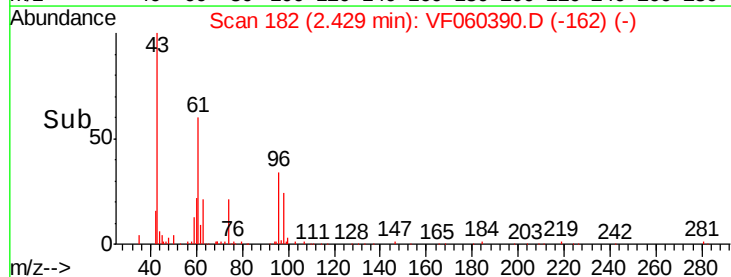
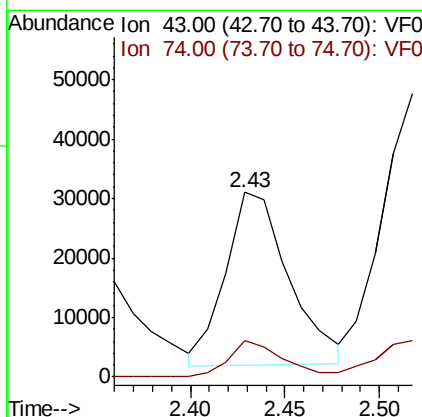
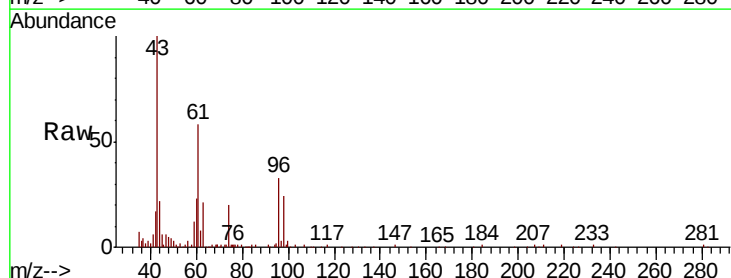
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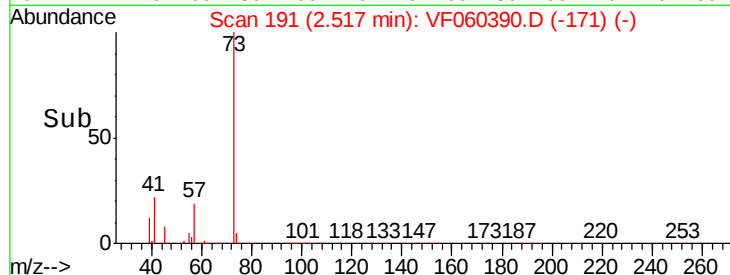
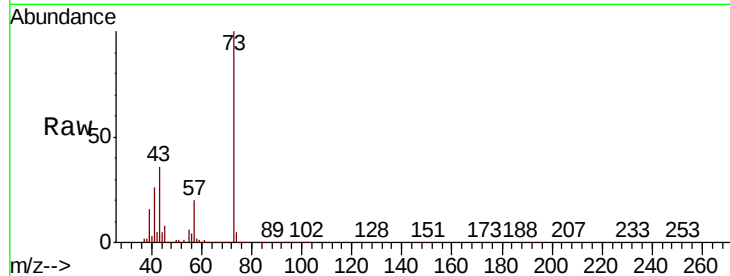
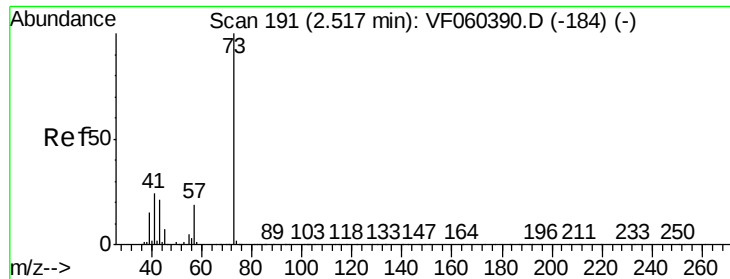
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#18
Methyl Acetate
Concen: 45.045 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion: 43 Resp: 67894
Ion Ratio Lower Upper
43 100
74 19.8 15.8 23.8





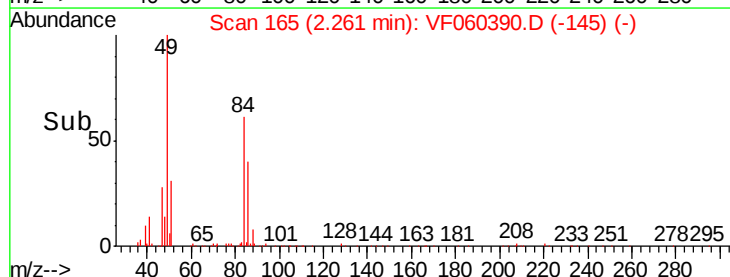
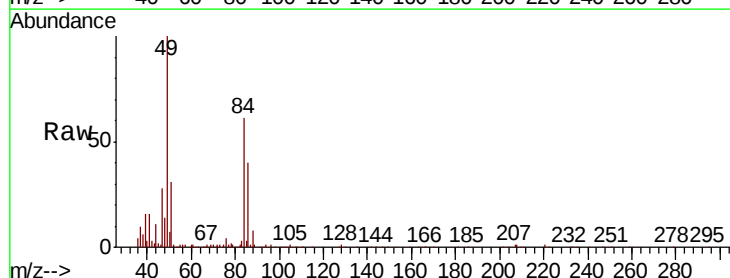
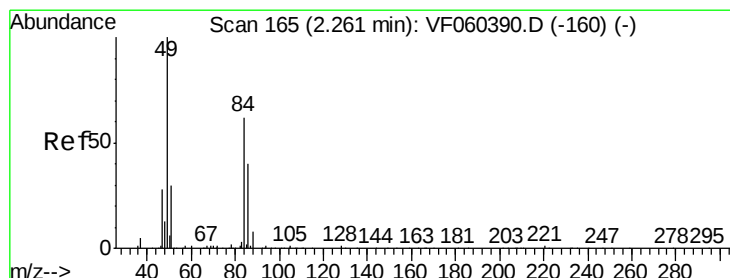
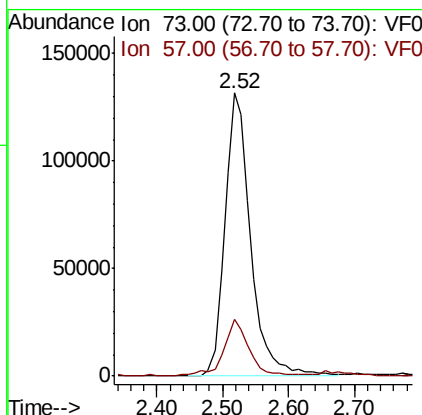
#19
Methvl tert-butvl Ether
Concen: 52.415 ug/l
RT: 2.52 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	15.9	23.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

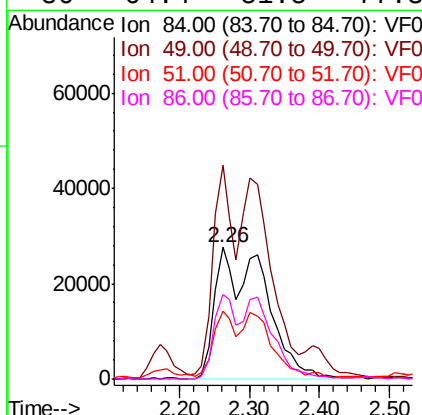
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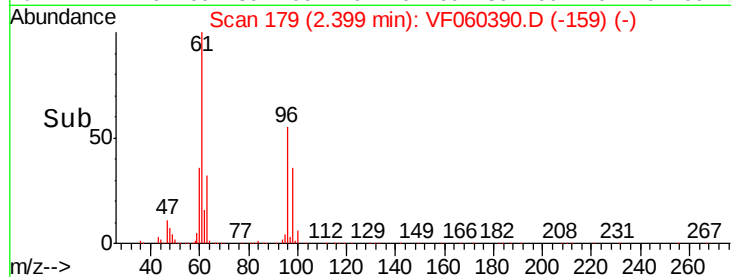
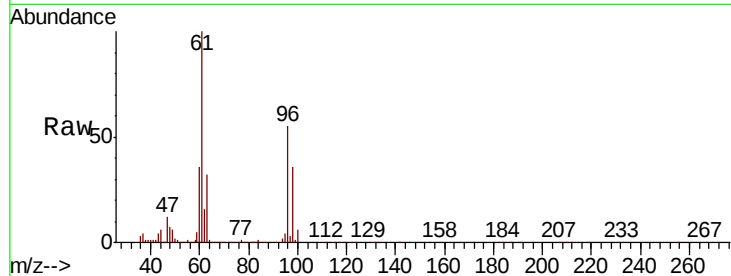
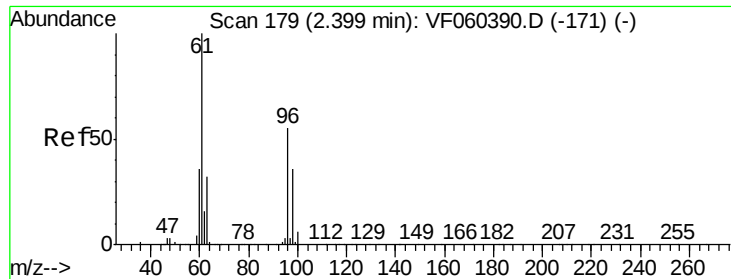
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#20
Methylene Chloride
Concen: 43.218 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.7	130.2	195.2
51	51.3	41.0	61.6
86	64.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 50.299 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060390.D

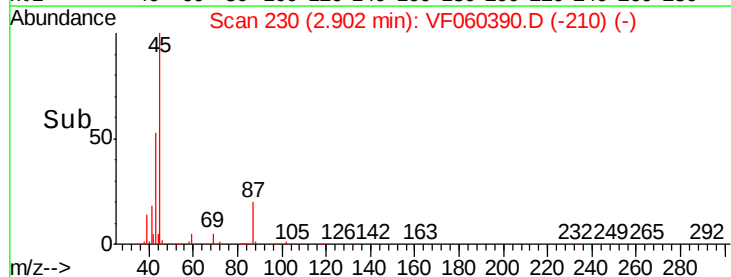
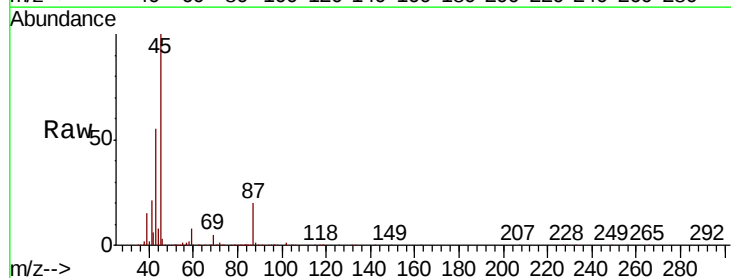
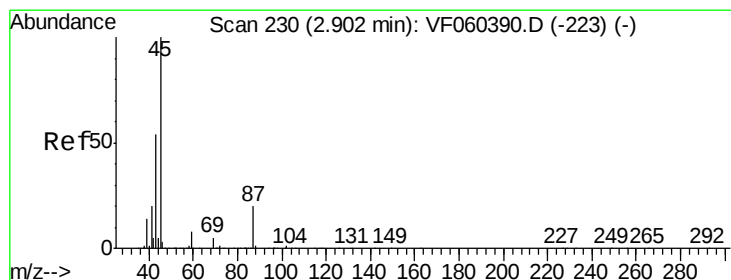
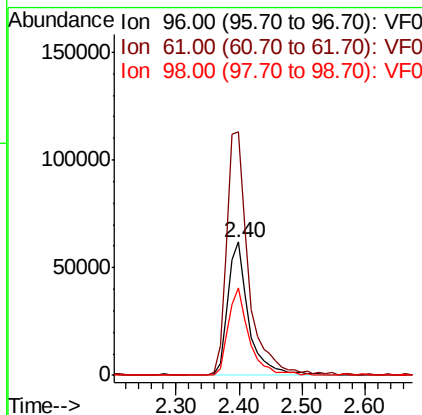
Acq: 1 Oct 2018 18:42

Tot Ion:	96	Resp:	141466
Ion Ratio	Lower	Upper	
96	100		
61	182.7	146.2	219.2
98	65.7	52.6	78.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

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#22

Diisopropyl ether

Concen: 46.560 ug/l

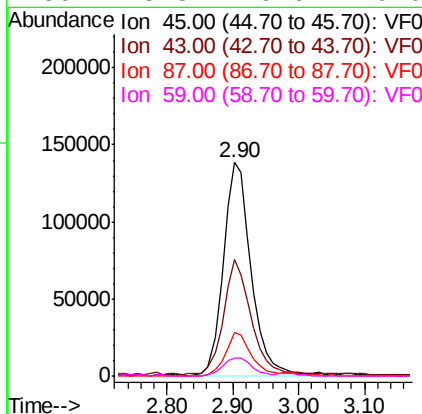
RT: 2.90 min Scan# 230

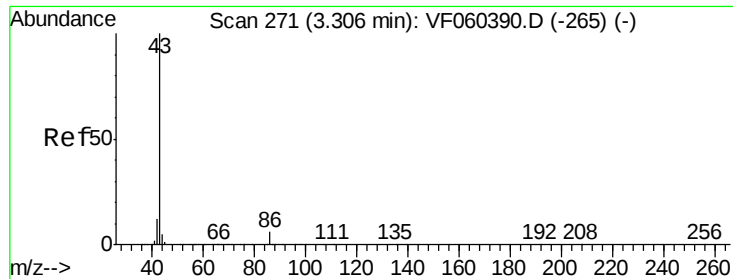
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion:	45	Resp:	407863
Ion Ratio	Lower	Upper	
45	100		
43	54.8	43.8	65.8
87	20.4	16.3	24.5
59	8.3	6.6	10.0





#23

Vinyl Acetate

Concen: 234.662 ug/l

RT: 3.31 min Scan# 271

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 811336

Ion Ratio Lower Upper

43 100

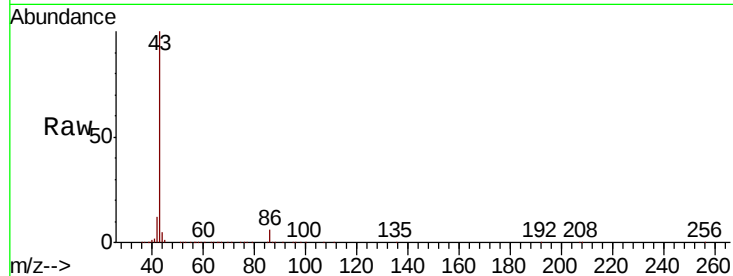
86 6.4 5.1 7.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

300000

200000

100000

0

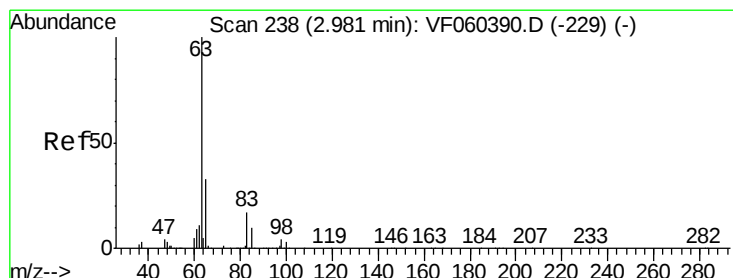
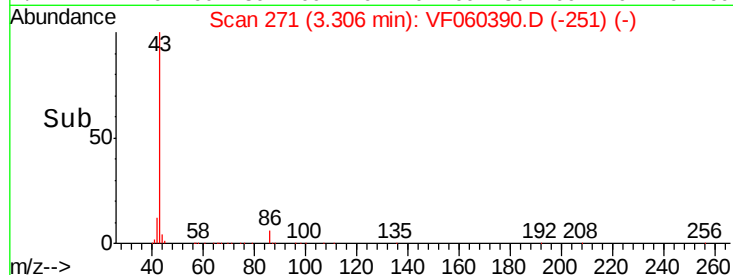
3.20

3.30

3.40

3.50

Time-->



#24

1,1-Dichloroethane

Concen: 48.233 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

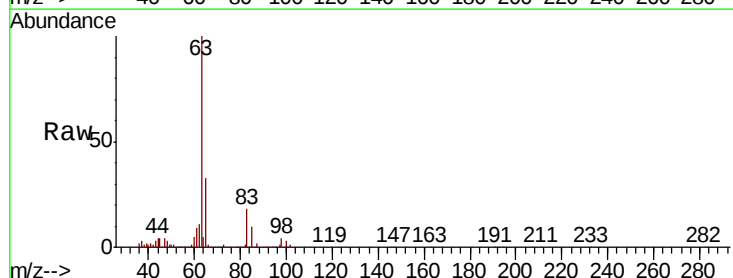
Tgt Ion: 63 Resp: 278678

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.8 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

100000

50000

0

2.80

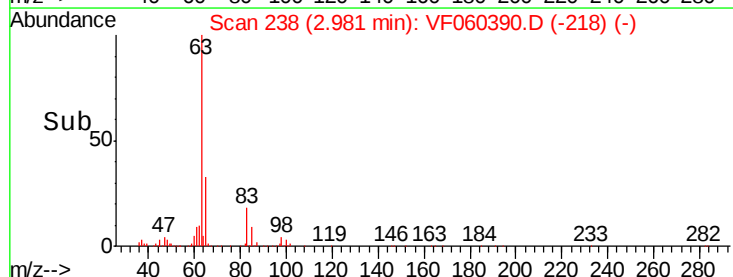
2.90

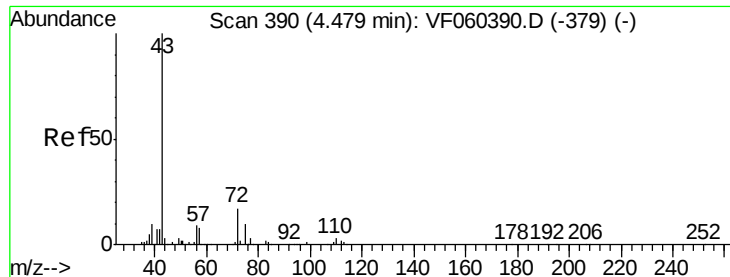
3.00

3.10

3.20

Time-->





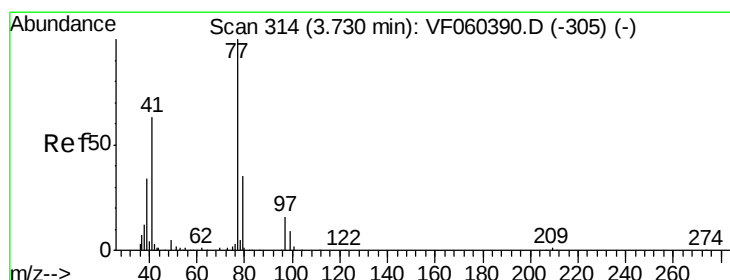
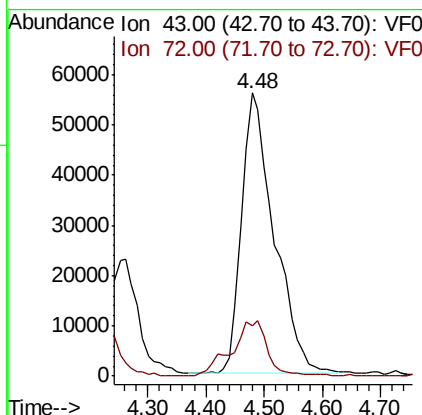
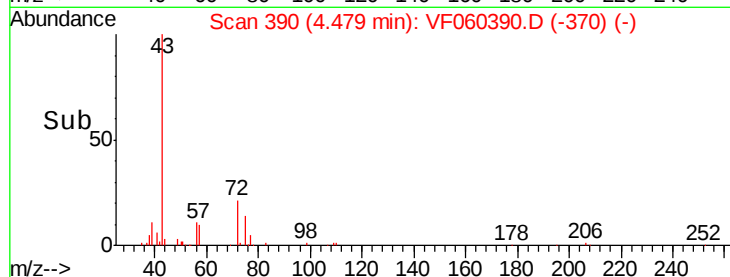
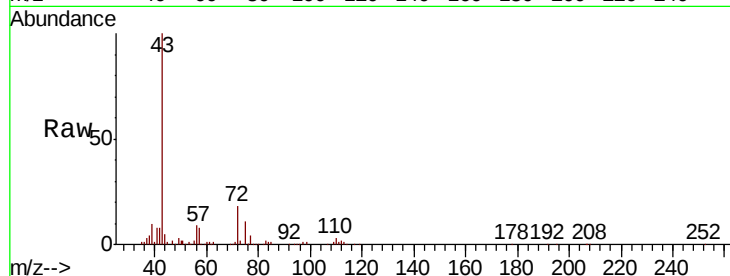
#25
2-Butanone
Concen: 191.983 ug/l
RT: 4.48 min Scan# 390
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	17.6	14.1	21.1

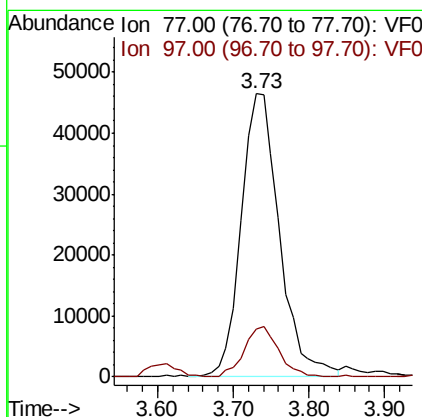
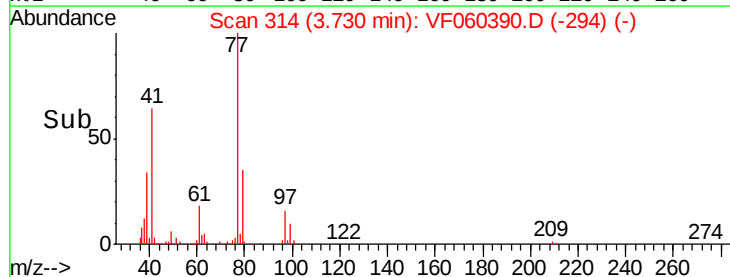
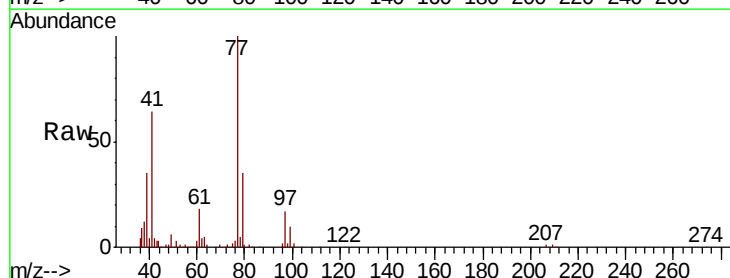
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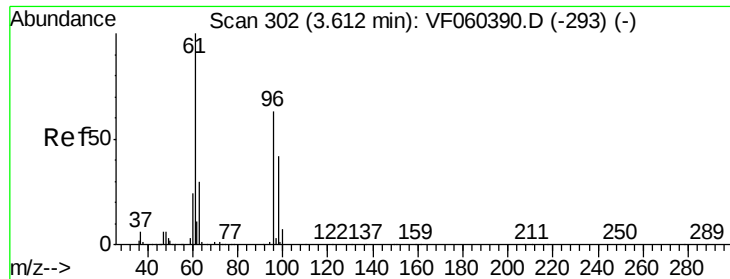
apatel
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#26
2,2-Dichloropropane
Concen: 49.908 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
77	100		
97	16.7	8.3	25.1





#27

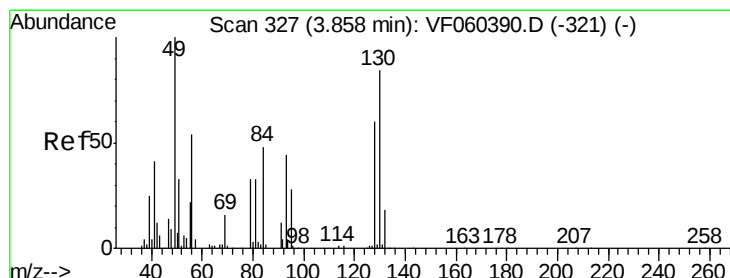
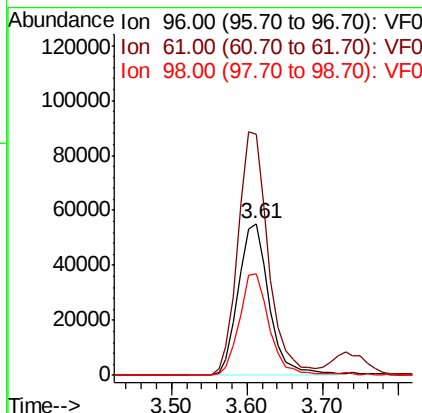
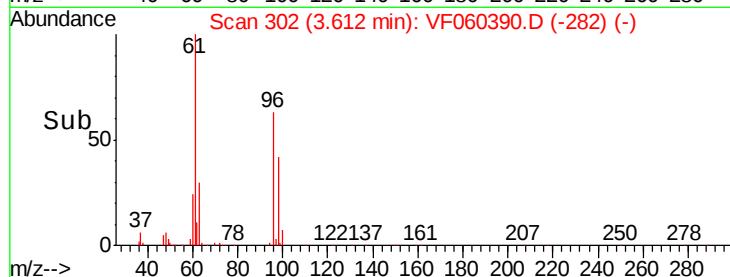
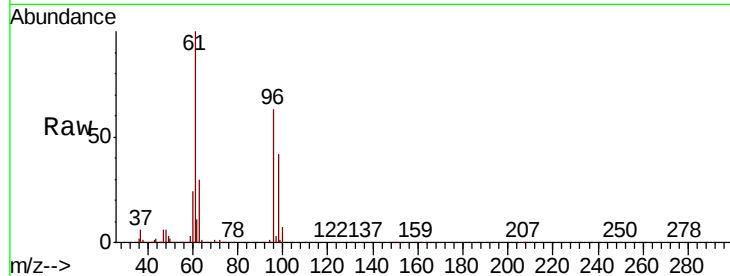
cis-1,2-Dichloroethene
 Concen: 43.586 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156058		
61	159.1	0.0	0.0	318.2
98	67.0	0.0	0.0	134.0

Manual Integrations
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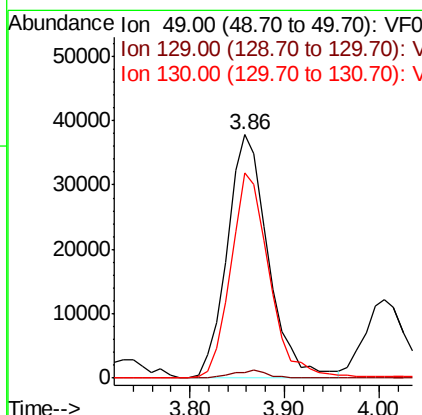
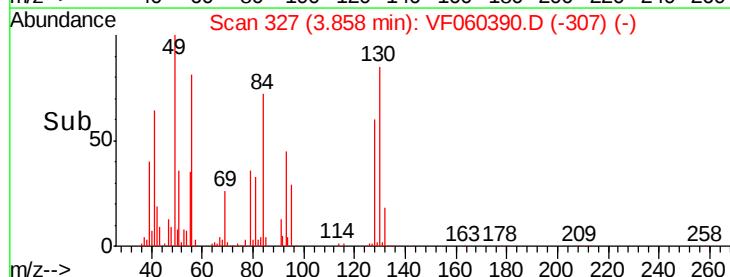
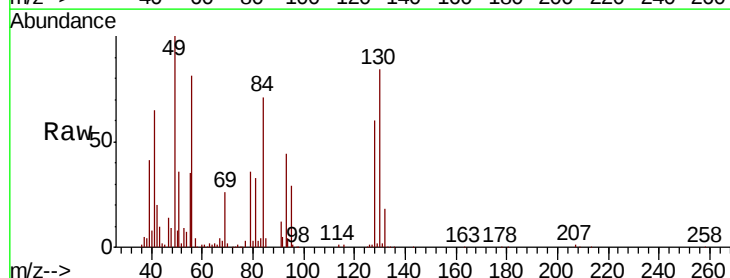
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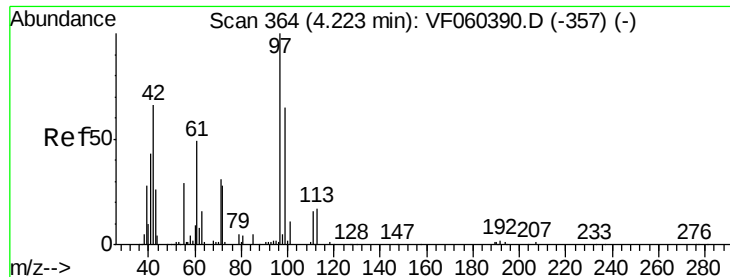


#28

Bromochloromethane
 Concen: 49.821 ug/l
 RT: 3.86 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112044		
129	2.3	0.0	0.0	4.6
130	84.1	67.3	67.3	100.9





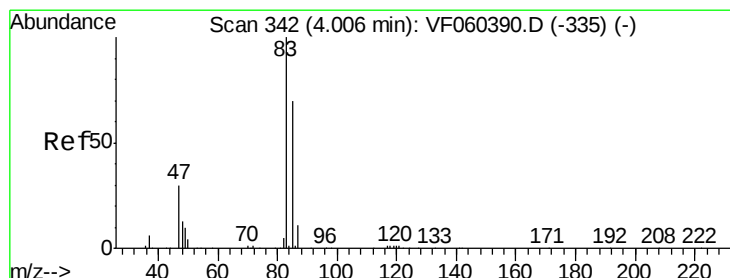
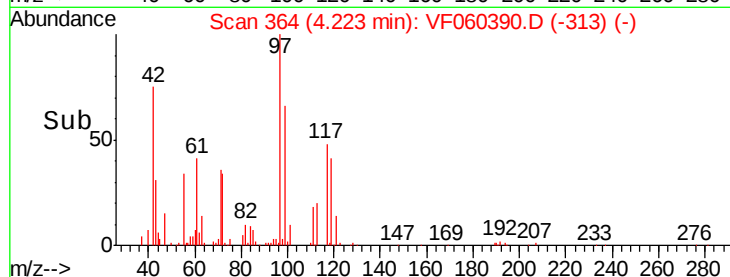
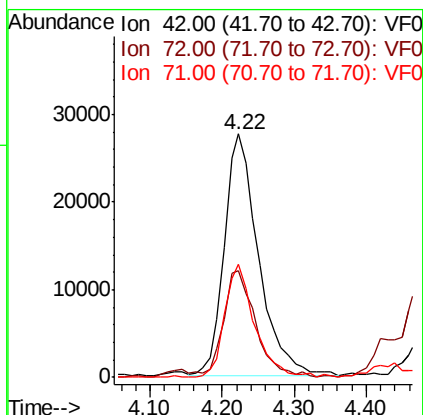
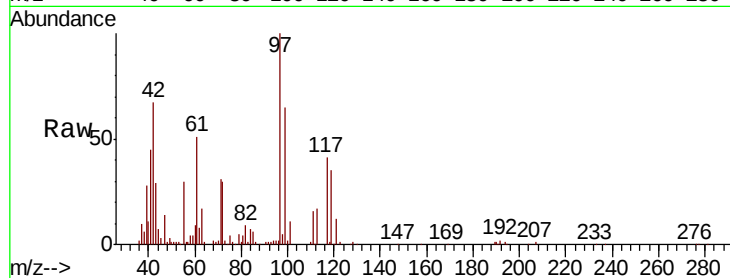
#29
Tetrahydrofuran
Concen: 210.327 ug/l
RT: 4.22 min Scan# 364
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	40.9	32.7	49.1

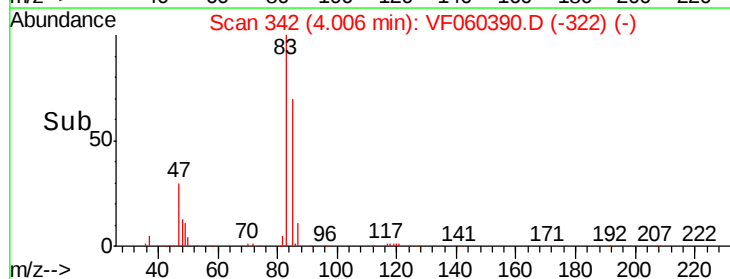
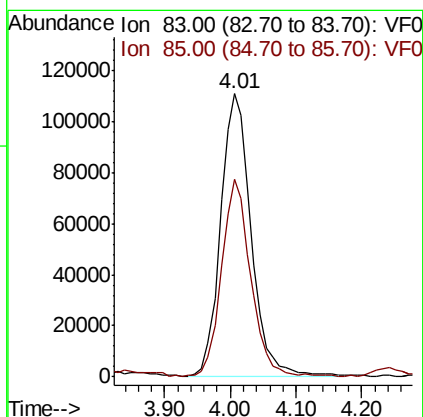
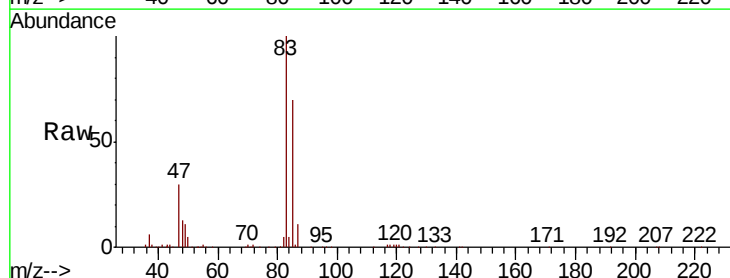
Manual Integrations
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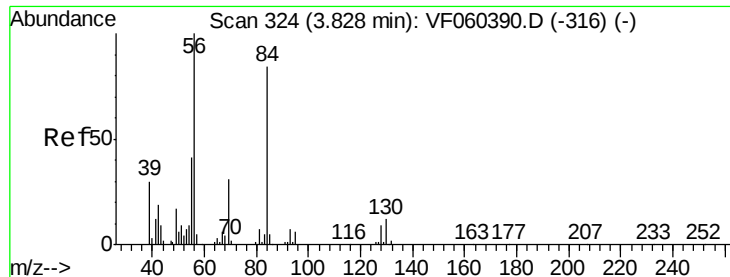
apatel
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#30
Chloroform
Concen: 51.483 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	55.9	83.9





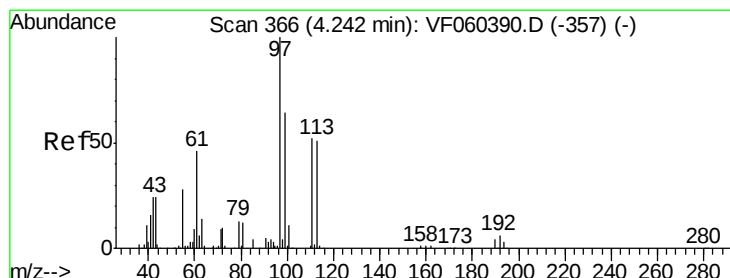
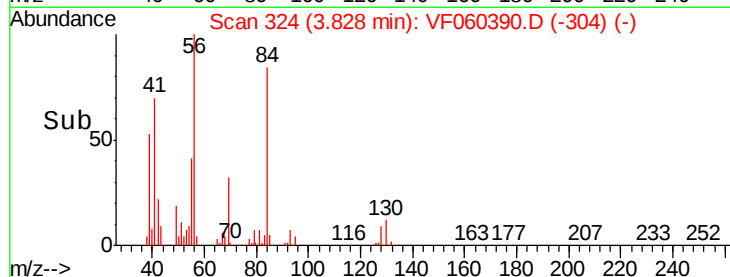
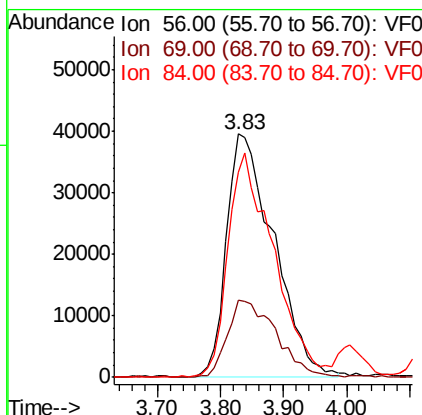
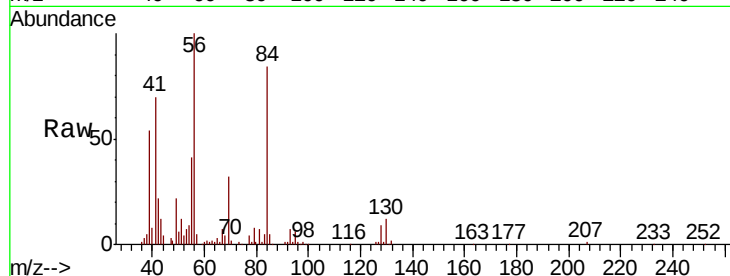
#31
Cyclohexane
Concen: 42.932 ug/l
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.5	38.3
84	84.2	67.4	101.0

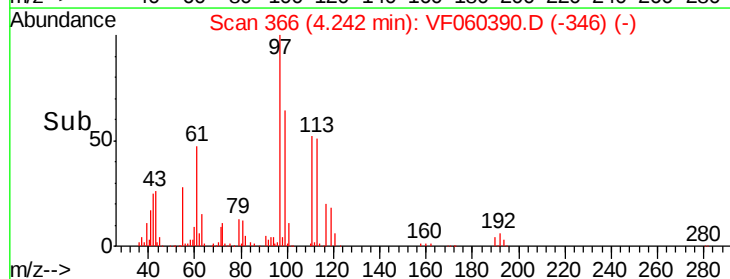
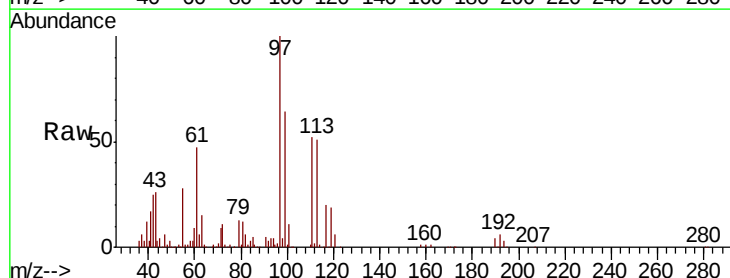
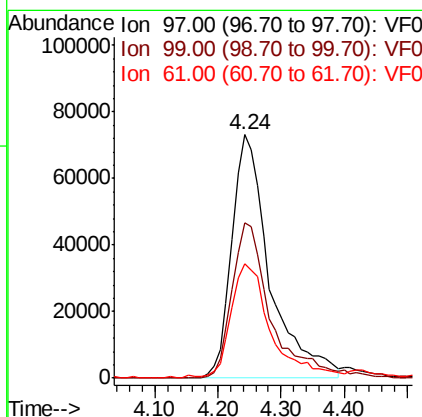
Manual Integrations
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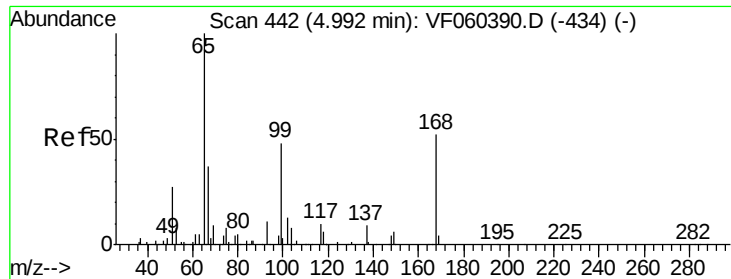
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#32
1,1,1-Trichloroethane
Concen: 55.052 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	46.9	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 58.824 ug/l

RT: 4.99 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 192778

Ion Ratio Lower Upper

65 100

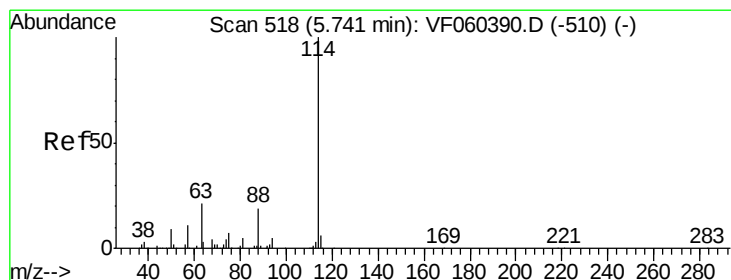
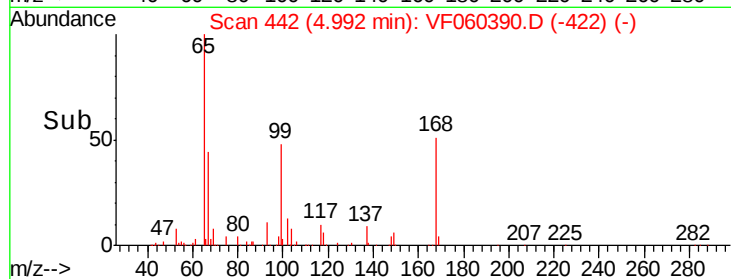
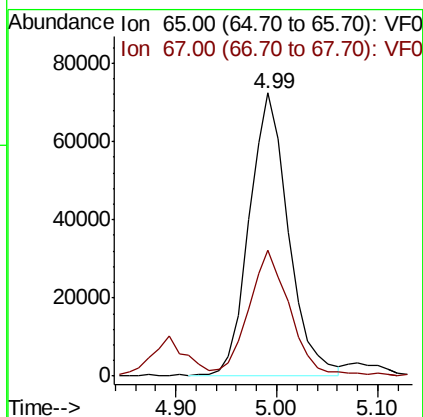
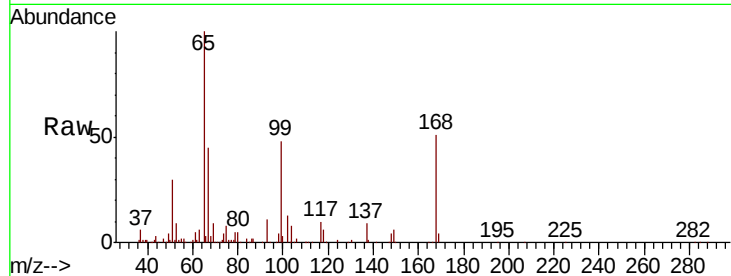
67 44.7 0.0 89.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

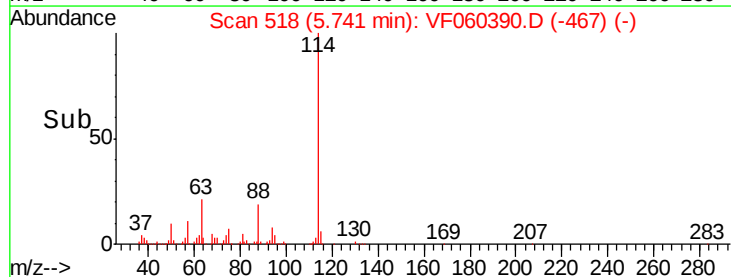
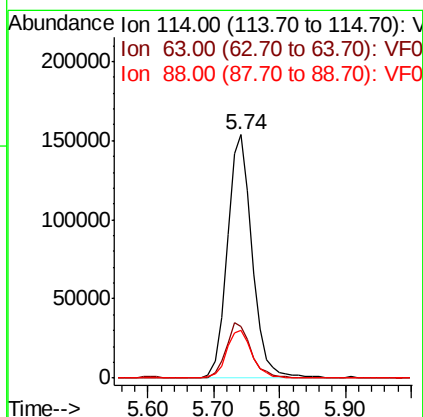
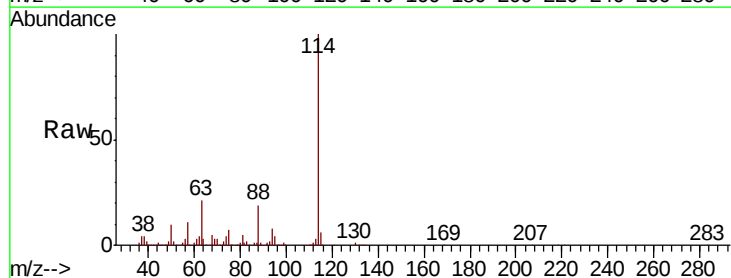
Tgt Ion: 114 Resp: 405200

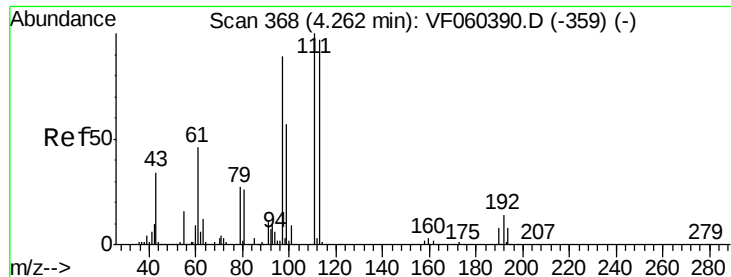
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.2

88 19.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 53.491 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

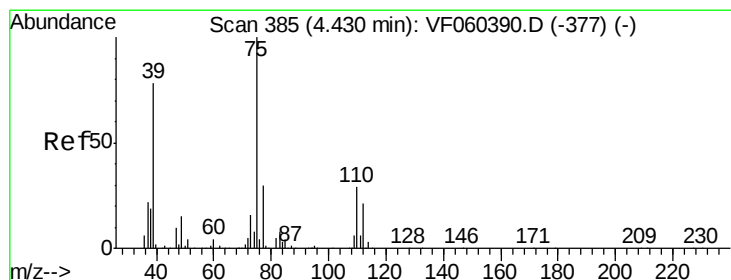
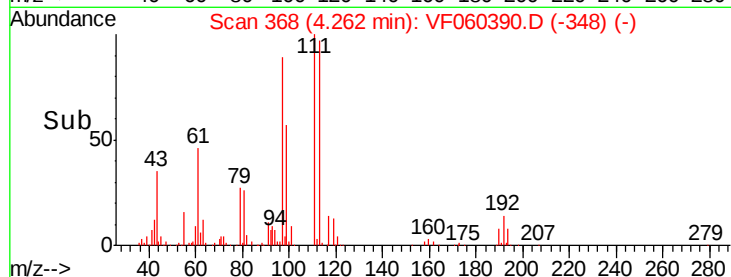
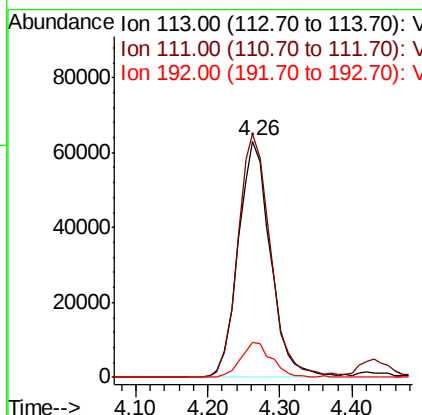
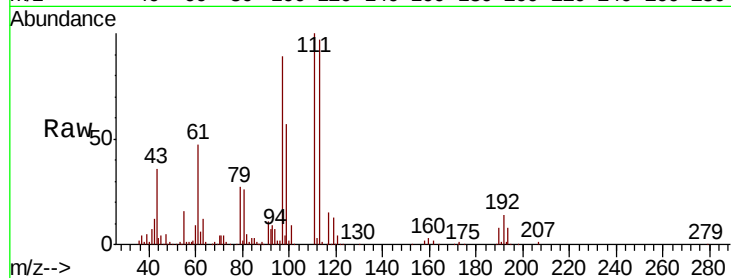
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	196987
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	14.7	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.450 ug/l

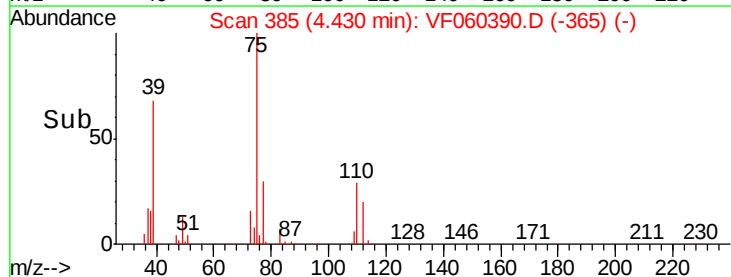
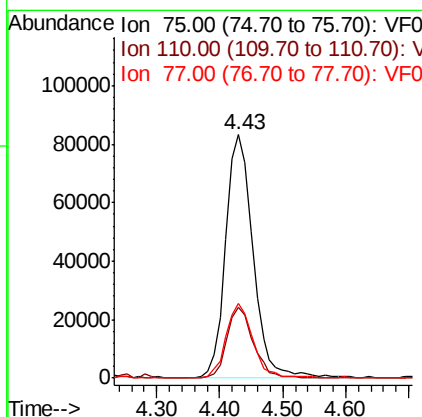
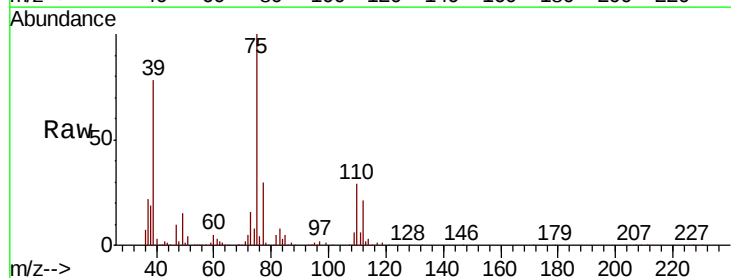
RT: 4.43 min Scan# 385

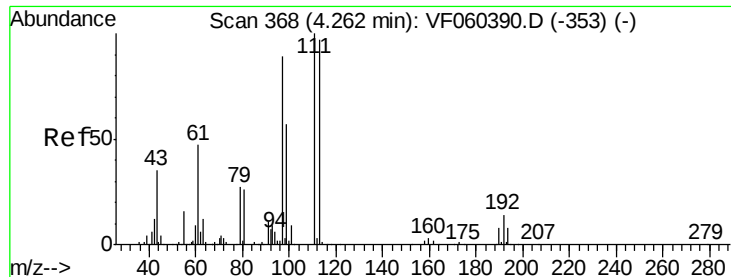
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion:	75	Resp:	251988
Ion	Ratio	Lower	Upper
75	100		
110	29.1	14.5	43.6
77	30.4	24.3	36.5





#37

Ethyl Acetate

Concen: 42.756 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

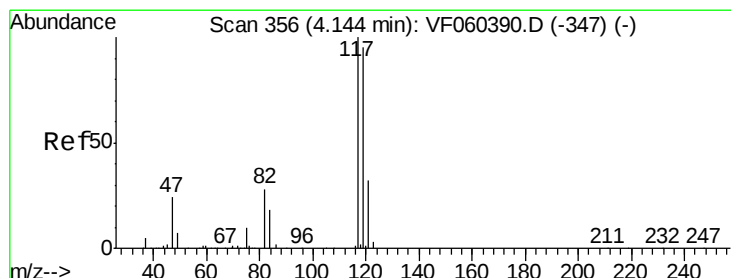
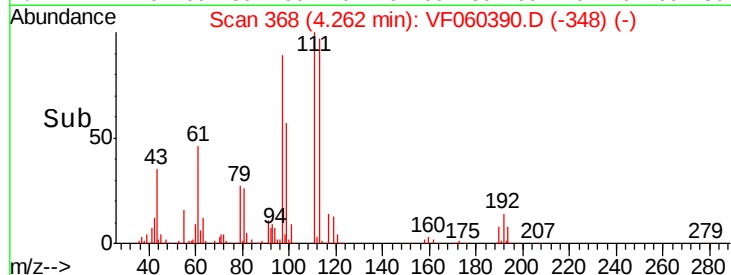
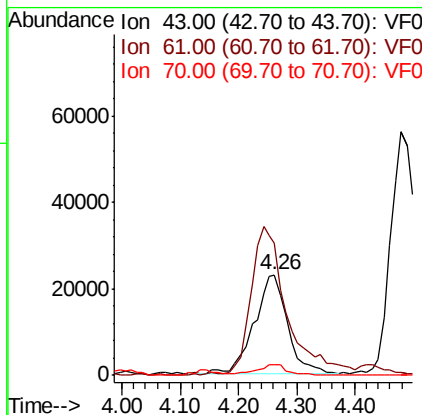
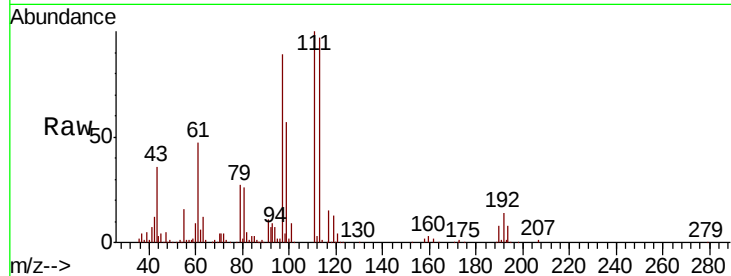
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	90026
Ion	Ratio	Lower	Upper
43	100		
61	131.4	105.1	157.7
70	10.0	8.0	12.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 55.689 ug/l m

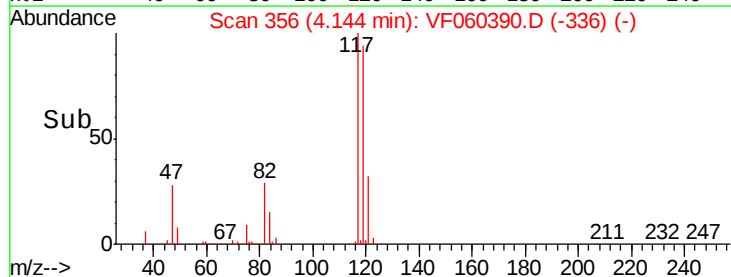
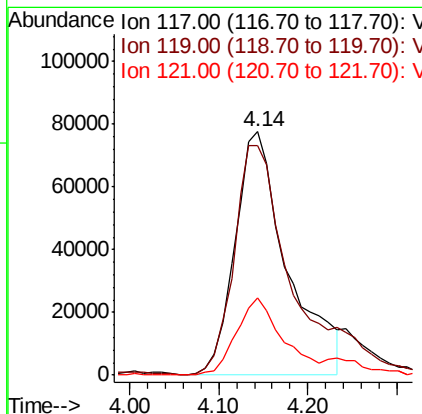
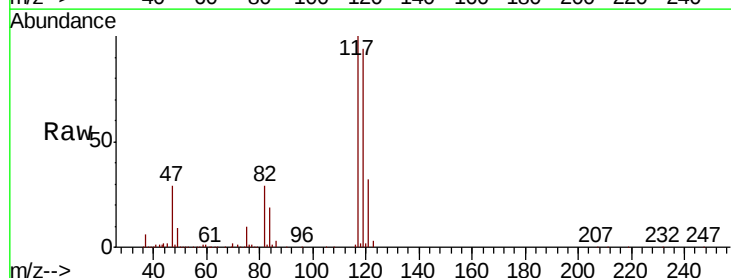
RT: 4.14 min Scan# 356

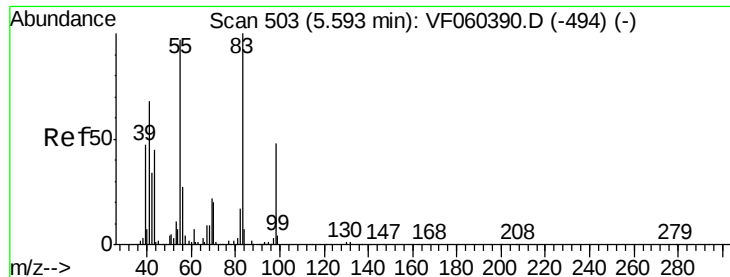
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion:	117	Resp:	319451
Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.5	113.3
121	31.7	25.4	38.0





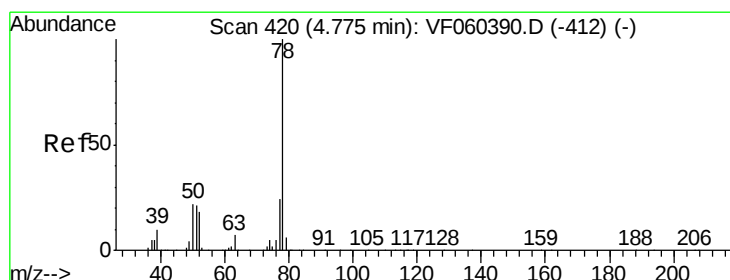
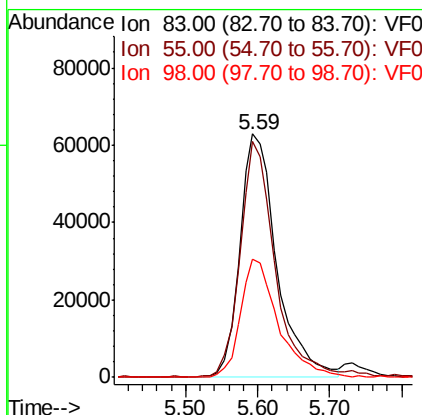
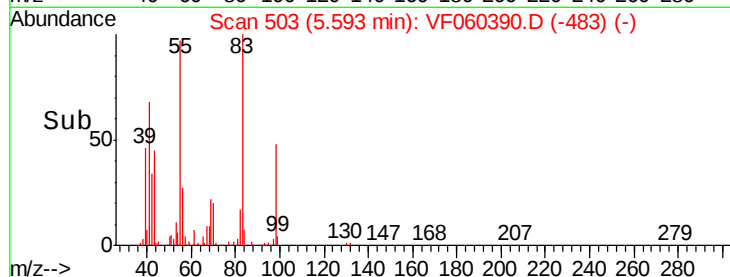
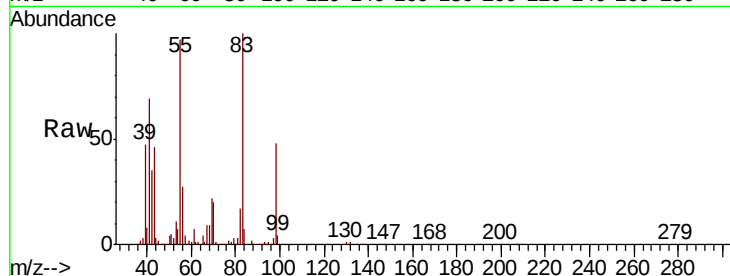
#39
Methvlcvclohexane
Concen: 41.986 ug/l
RT: 5.59 min Scan# 503
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	224822
Ion Ratio	Lower	Upper	
83	100		
55	96.9	77.5	116.3
98	48.4	38.7	58.1

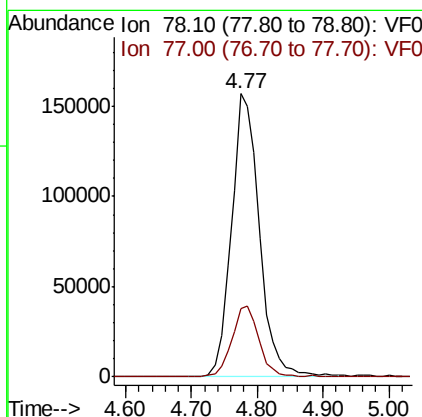
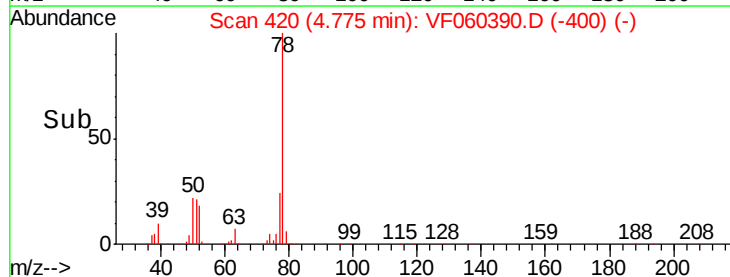
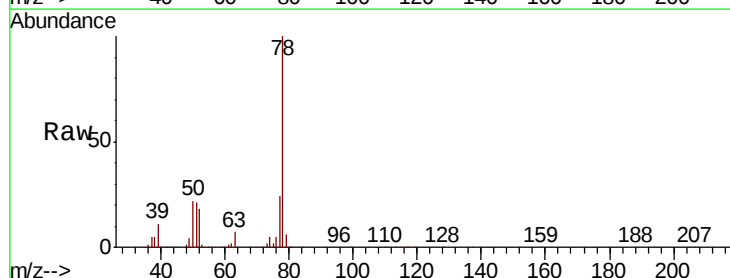
Manual Integrations
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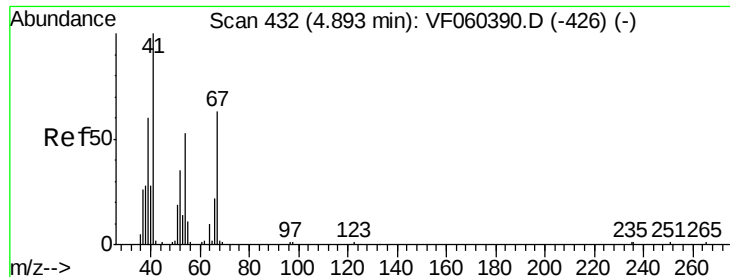
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#40
Benzene
Concen: 41.572 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	78	Resp	465932
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.2	28.8





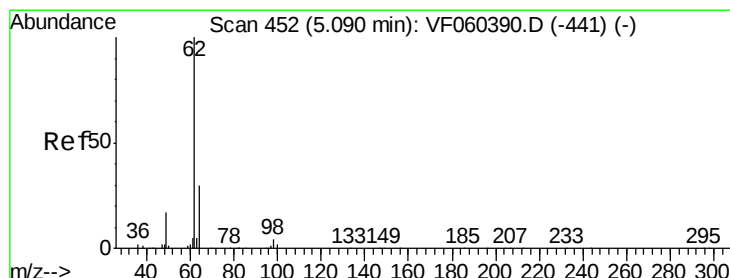
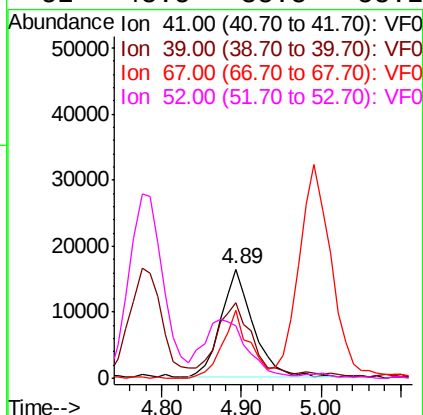
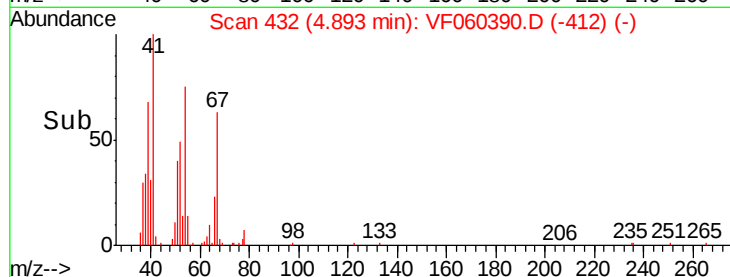
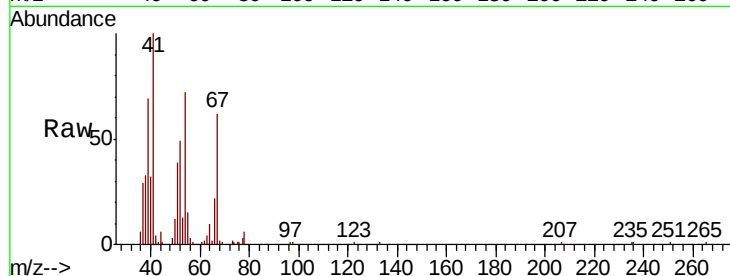
#41
Methacrylonitrile
Concen: 41.429 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		46794		
39	68.7	55.0	82.4		
67	62.0	49.6	74.4		
52	48.5	38.8	58.2		

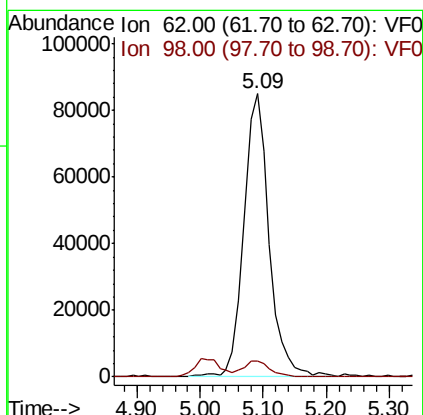
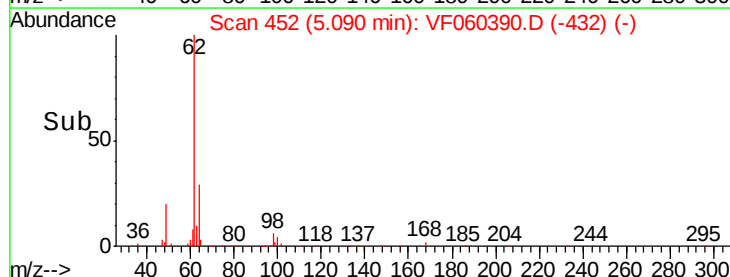
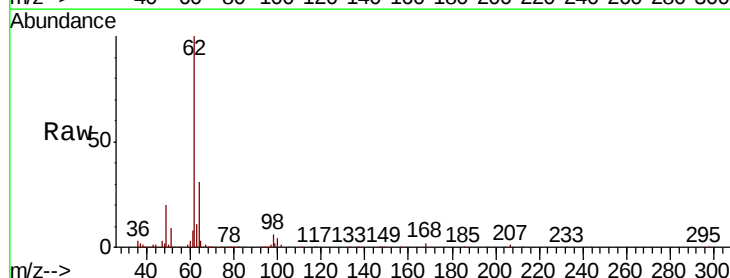
Manual Integrations
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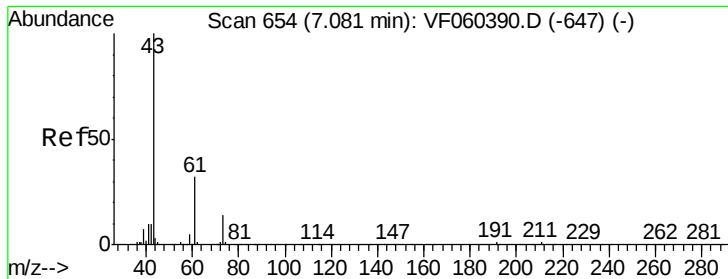
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#42
1,2-Dichloroethane
Concen: 54.472 ug/l
RT: 5.09 min Scan# 452
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		236359		
98	5.6	0.0	11.2		





#43

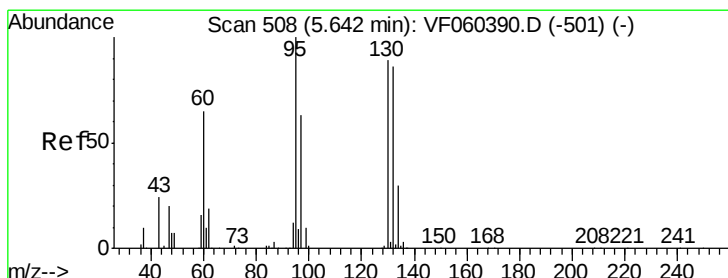
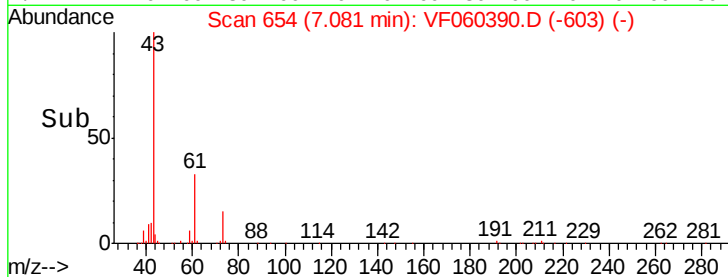
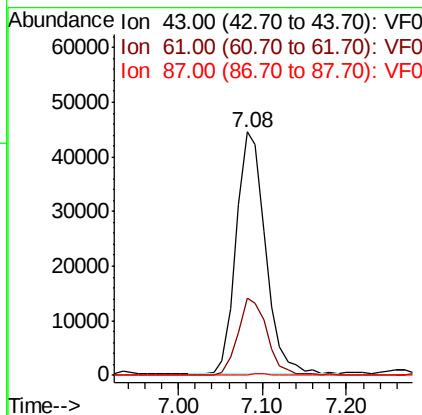
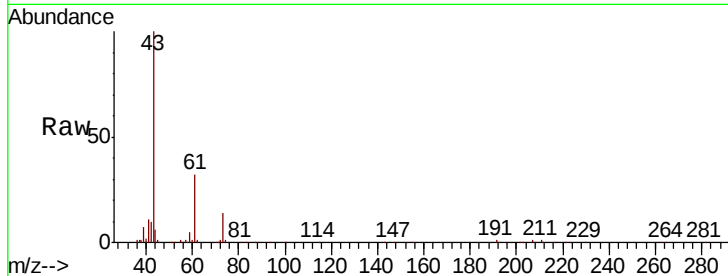
Isopropyl Acetate
 Concen: 42.361 ug/l
 RT: 7.08 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	25.4	38.2
87	0.4	0.3	0.5

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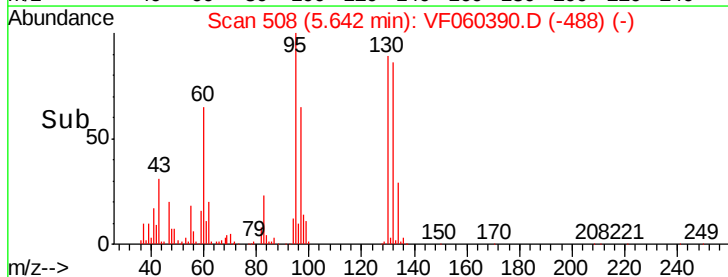
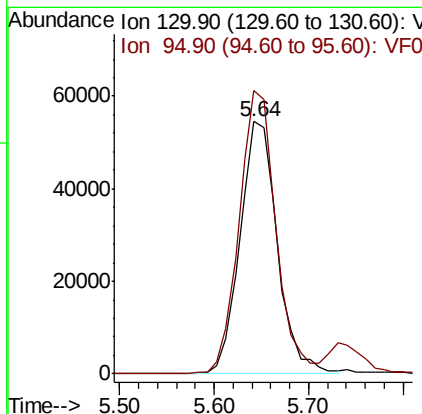
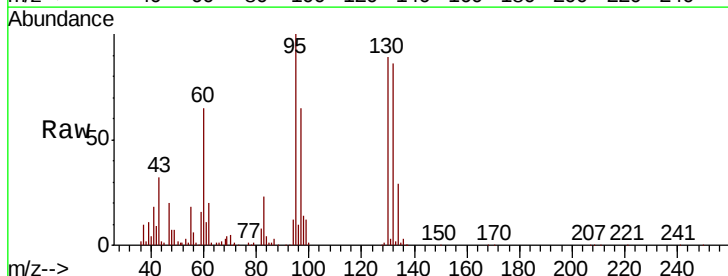
apatel
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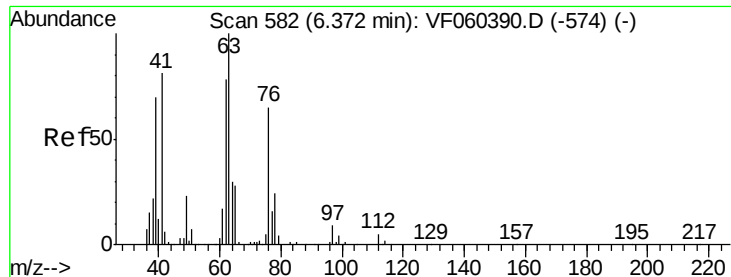


#44

Trichloroethene
 Concen: 44.323 ug/l
 RT: 5.64 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.2	0.0	224.4





#45

1,2-Dichloropropane

Concen: 43.914 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 128225

Ion Ratio Lower Upper

63 100

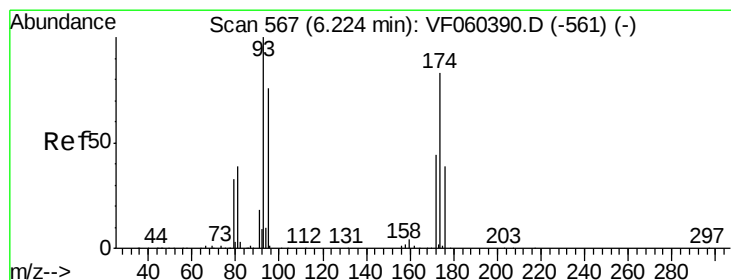
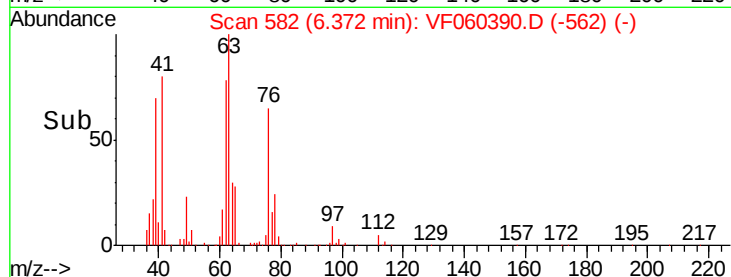
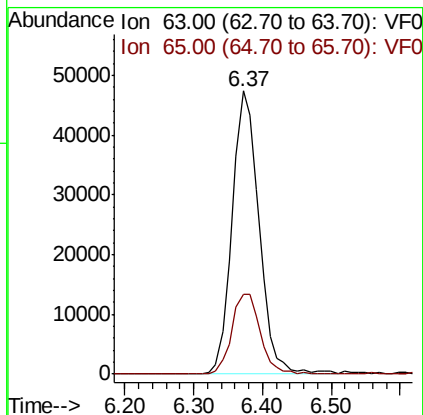
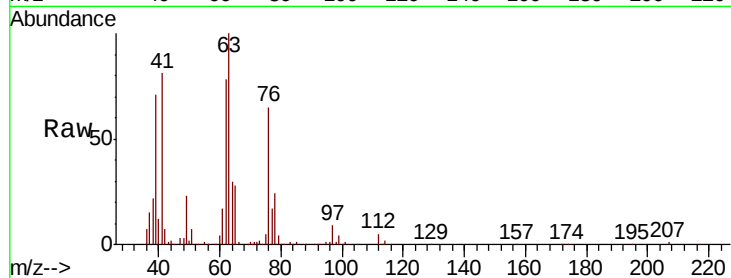
65 28.4 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 49.551 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

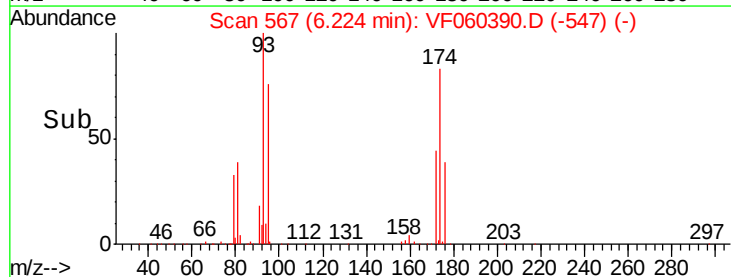
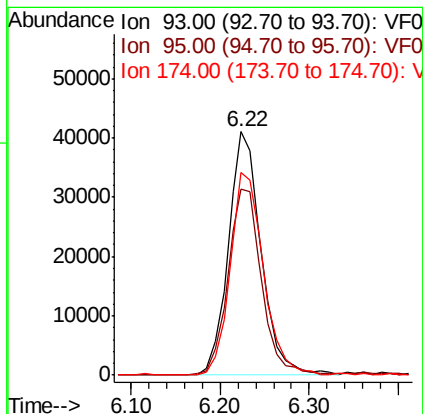
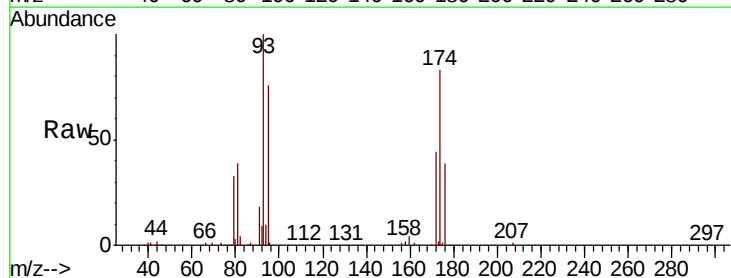
Tgt Ion: 93 Resp: 105692

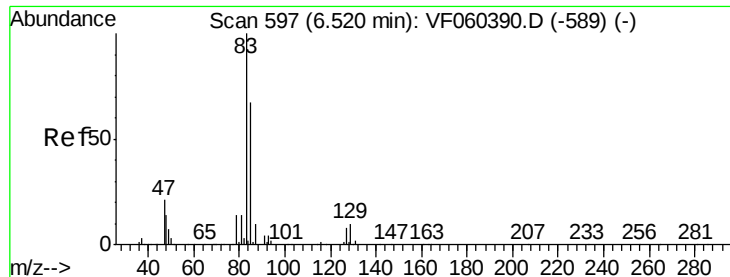
Ion Ratio Lower Upper

93 100

95 76.4 61.1 91.7

174 83.4 66.7 100.1





#47

Bromodichloromethane

Concen: 50.503 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

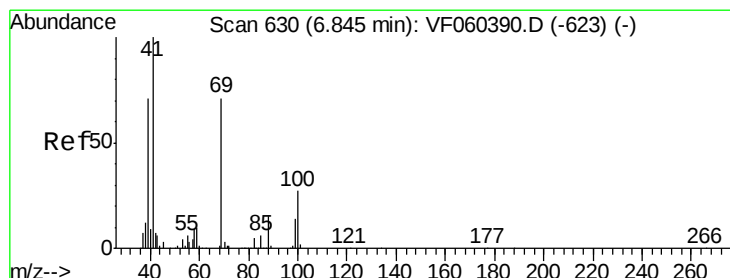
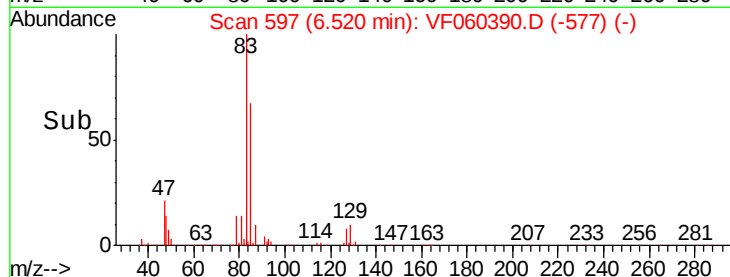
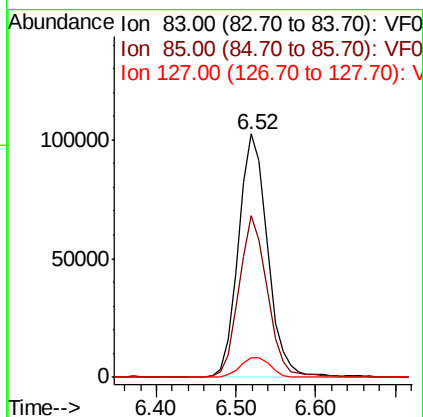
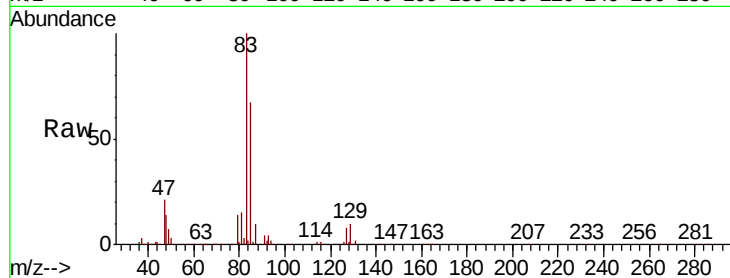
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	260126
Ion Ratio	Lower	Upper	
83	100		
85	66.5	53.2	79.8
127	8.2	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.664 ug/l

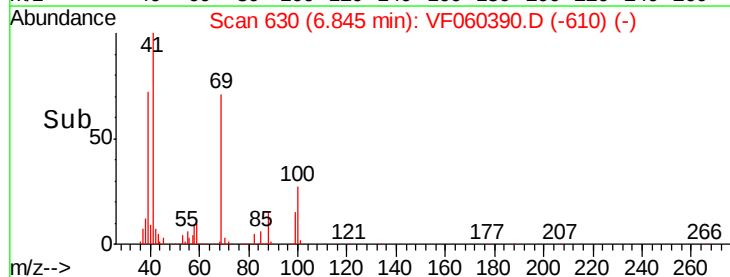
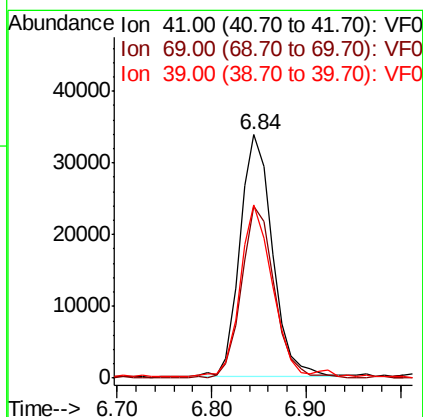
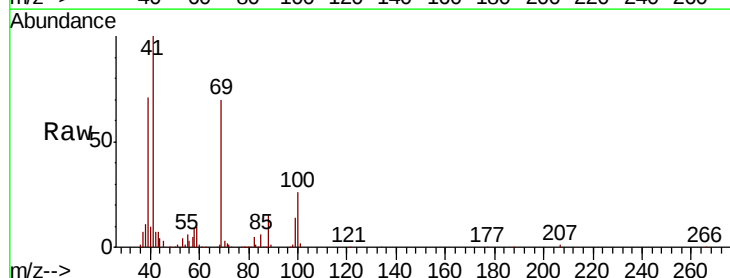
RT: 6.84 min Scan# 630

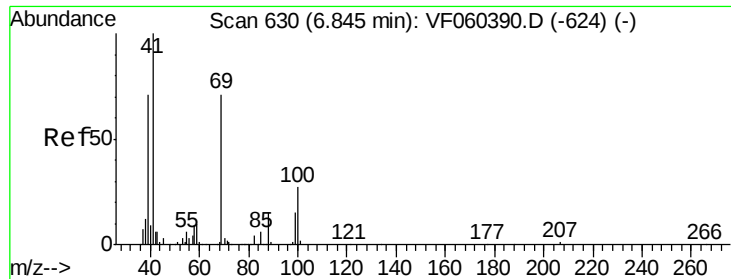
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion:	41	Resp:	80609
Ion Ratio	Lower	Upper	
41	100		
69	70.4	56.3	84.5
39	71.1	56.9	85.3





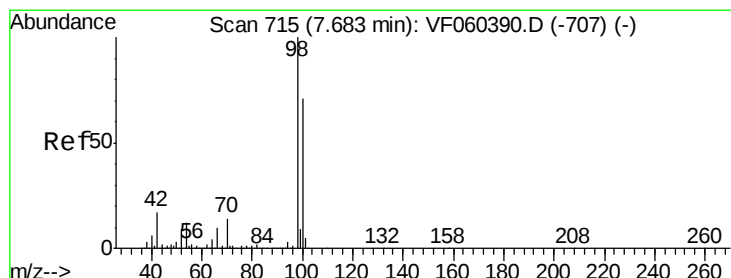
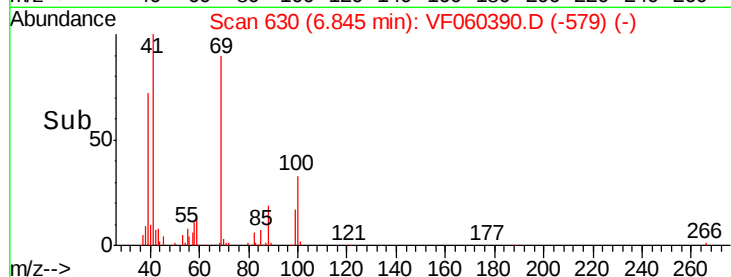
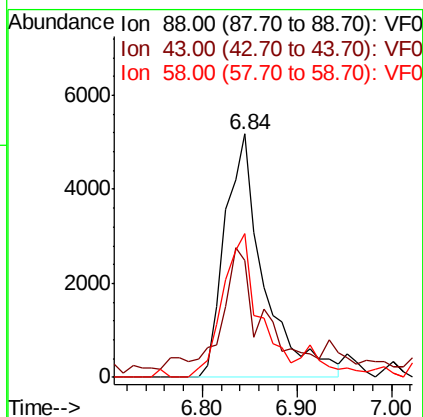
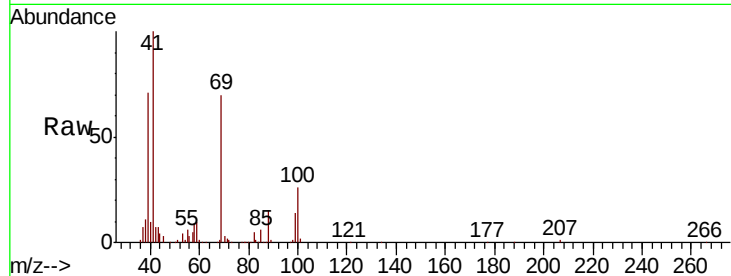
#49
1,4-Dioxane
Concen: 924.741 ug/l
RT: 6.84 min Scan# 630
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.9	38.3	57.5
58	59.3	47.4	71.2

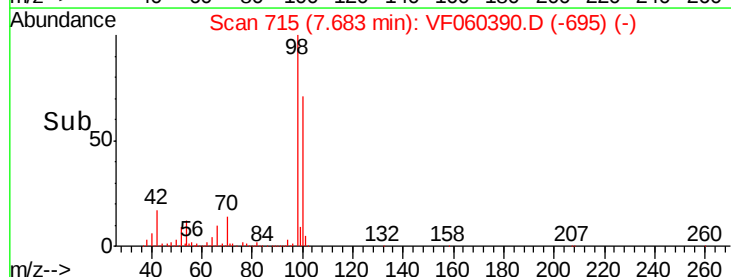
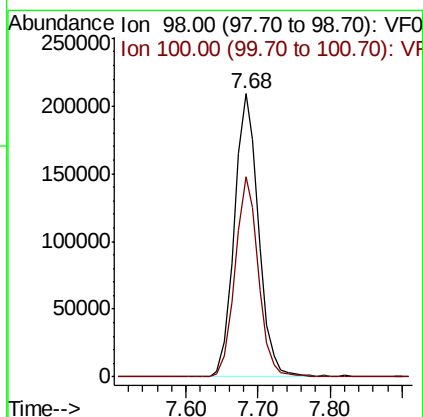
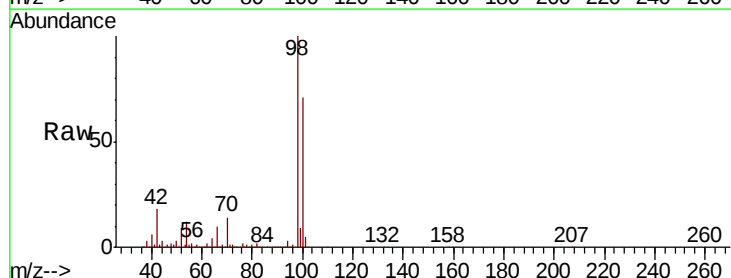
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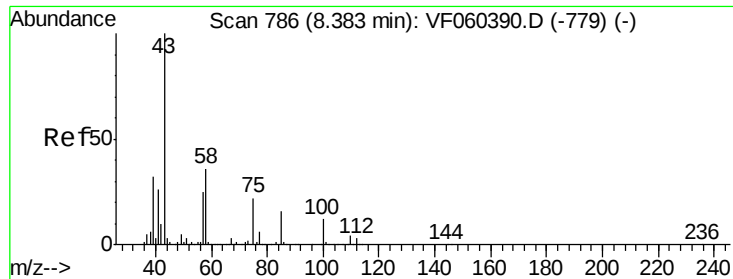
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#50
Toluene-d8
Concen: 51.742 ug/l
RT: 7.68 min Scan# 715
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.6	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 199.476 ug/l

RT: 8.38 min Scan# 786

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 379969

Ion Ratio Lower Upper

43 100

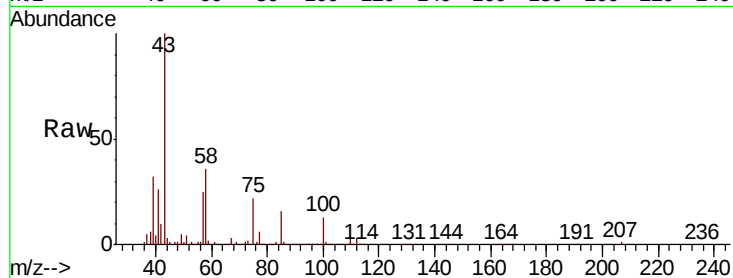
58 35.6 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

150000

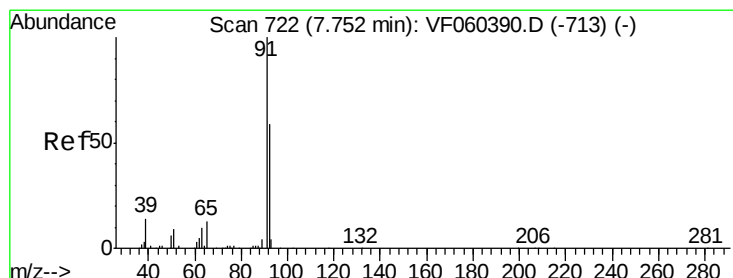
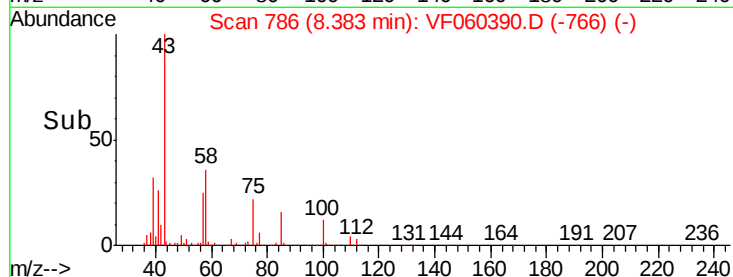
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 43.535 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060390.D

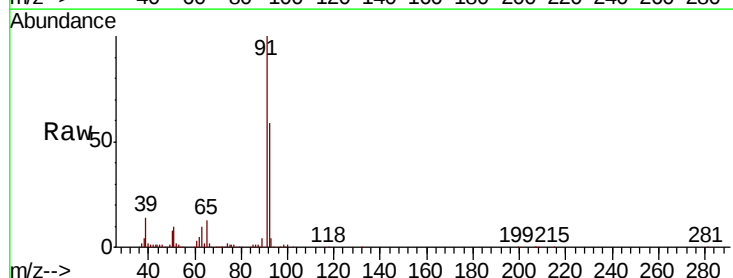
Acq: 1 Oct 2018 18:42

Tgt Ion: 92 Resp: 311368

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.75

250000

200000

150000

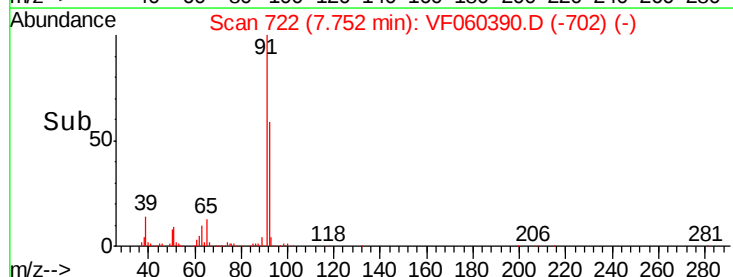
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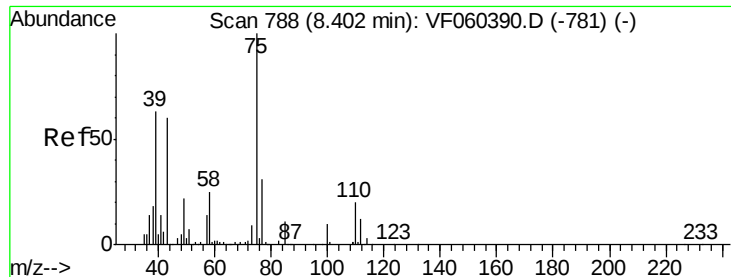
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.385 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 194566

Ion Ratio Lower Upper

75 100

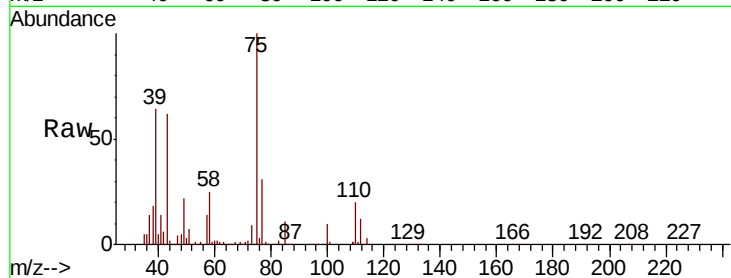
77 30.7 24.6 36.8

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.40

100000

80000

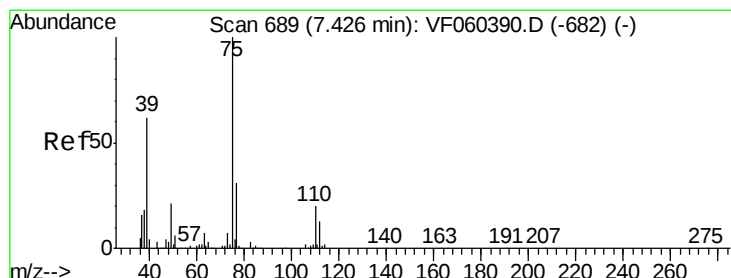
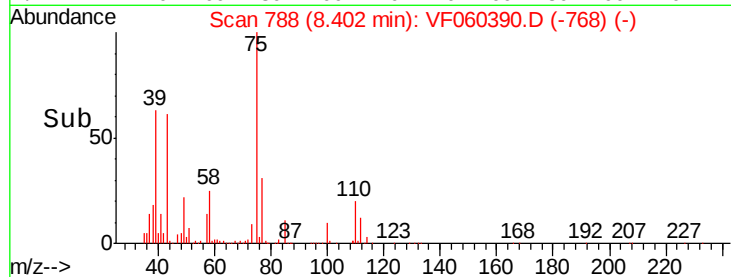
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.687 ug/l

RT: 7.43 min Scan# 689

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

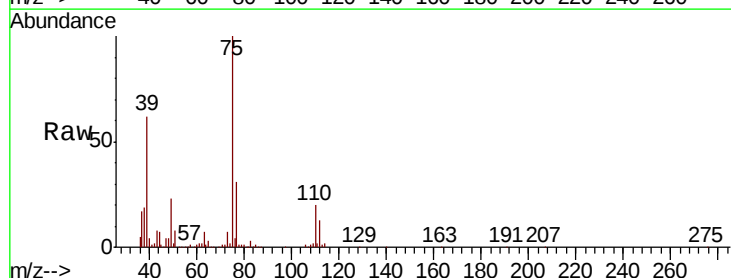
Tgt Ion: 75 Resp: 245689

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 62.1 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

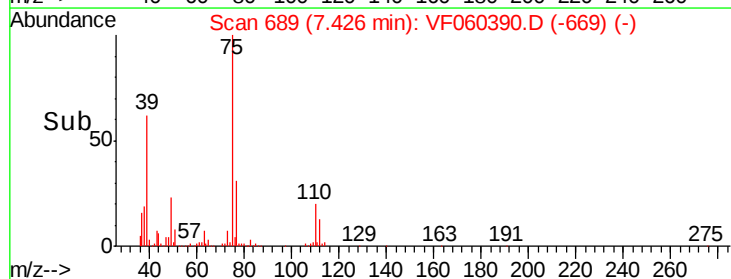
7.43

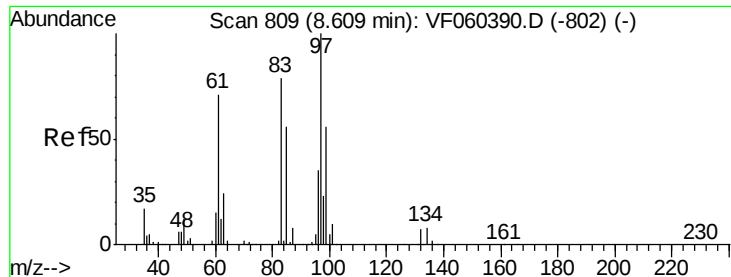
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 46.888 ug/l

RT: 8.61 min Scan# 809

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

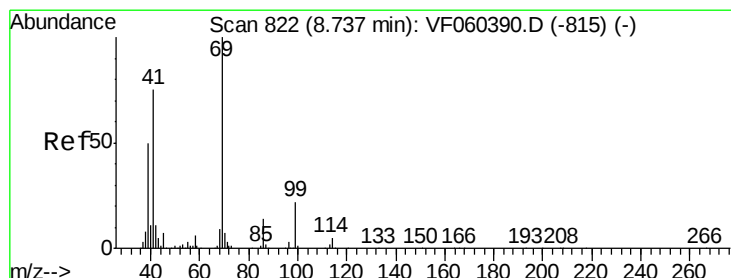
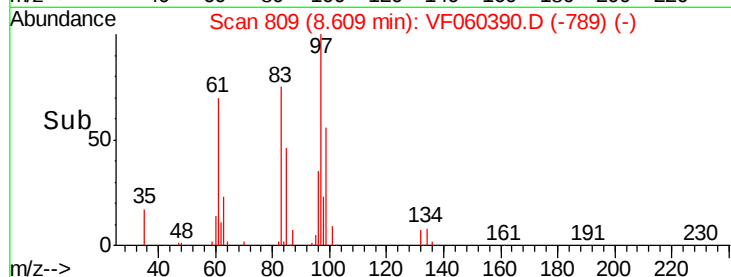
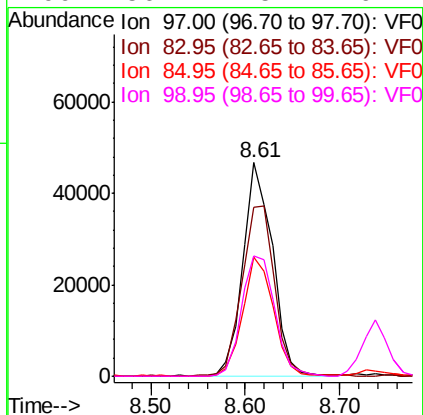
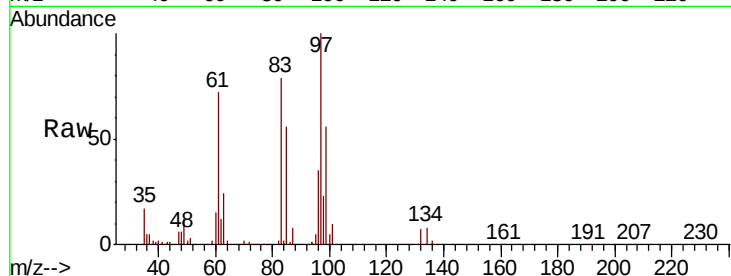
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	101748
Ion	Ratio	Lower	Upper
97	100		
83	79.2	63.4	95.0
85	55.6	44.5	66.7
99	56.4	45.1	67.7

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#56

Ethyl methacrylate

Concen: 43.444 ug/l

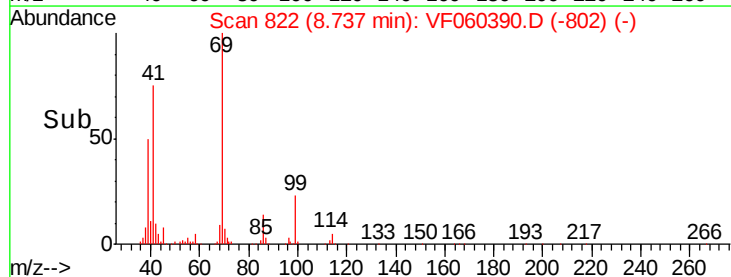
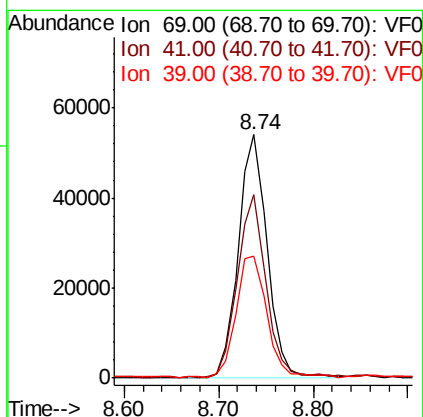
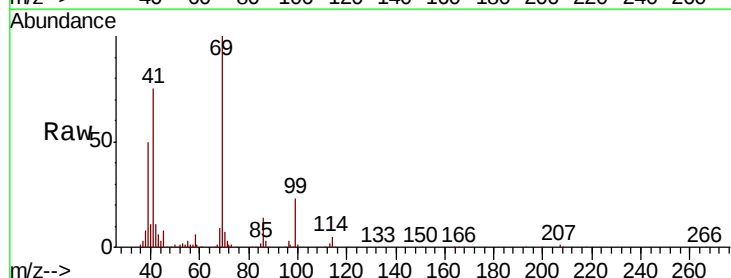
RT: 8.74 min Scan# 822

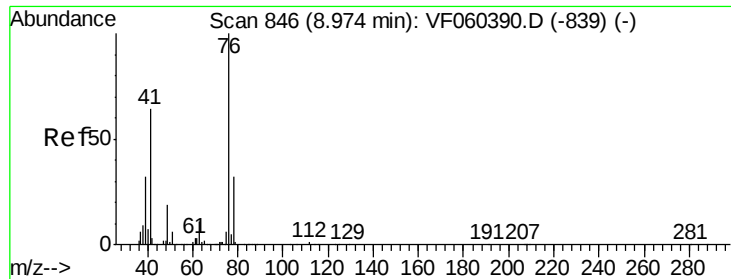
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion:	69	Resp:	113986
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.2	90.4
39	50.2	40.2	60.2





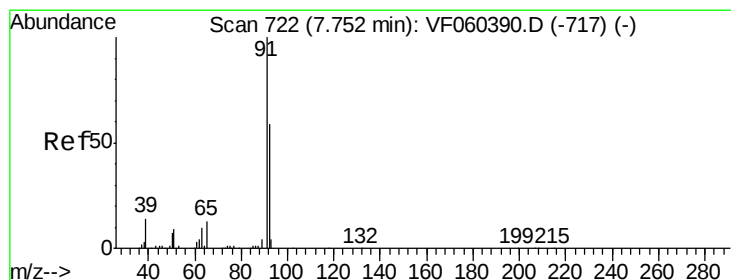
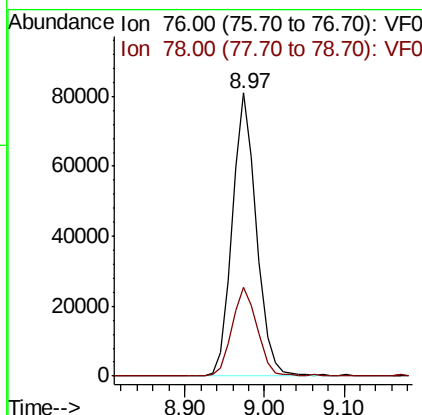
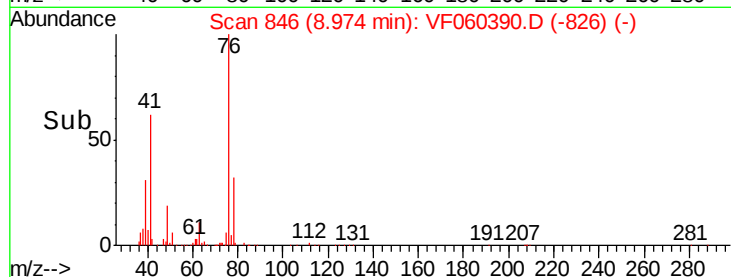
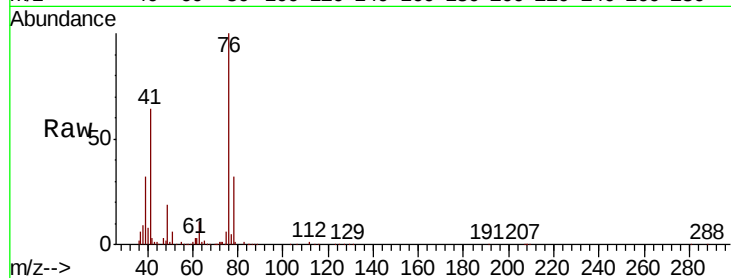
#57
 1,3-Dichloropropane
 Concen: 47.596 ug/l
 RT: 8.97 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

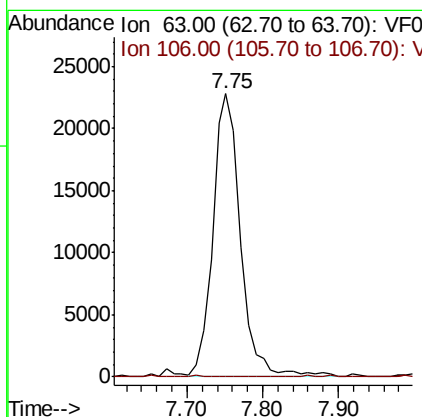
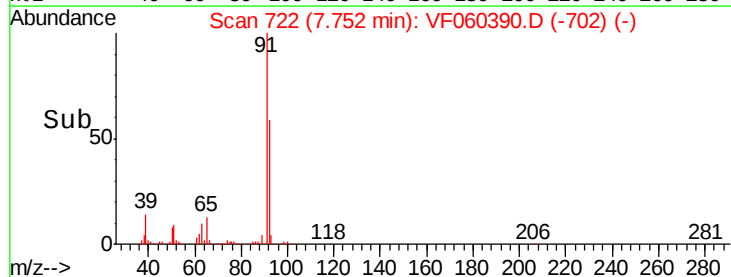
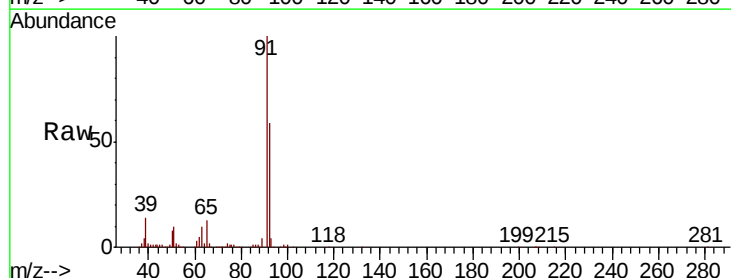
Manual Integrations
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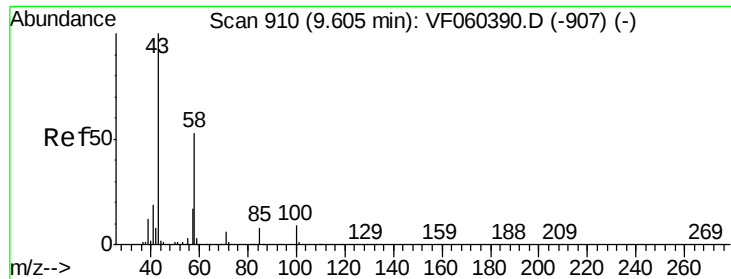
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.411 ug/l
 RT: 7.75 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





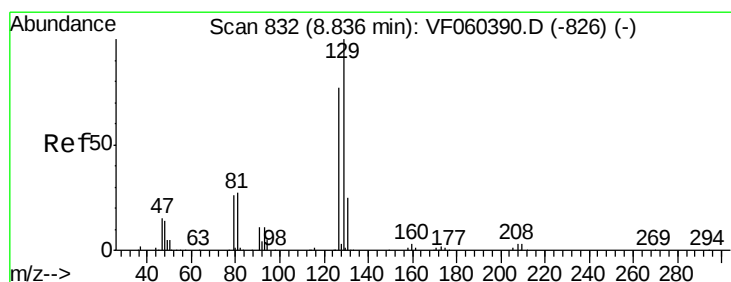
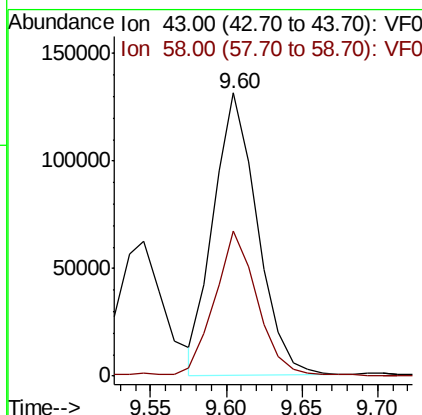
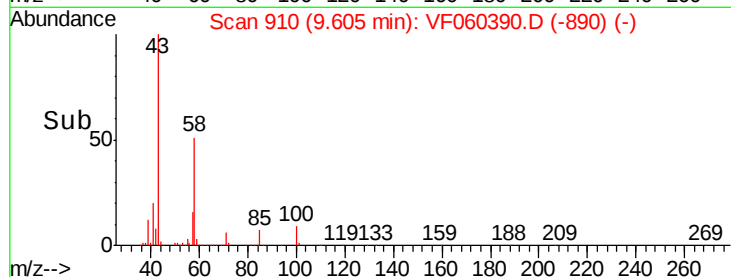
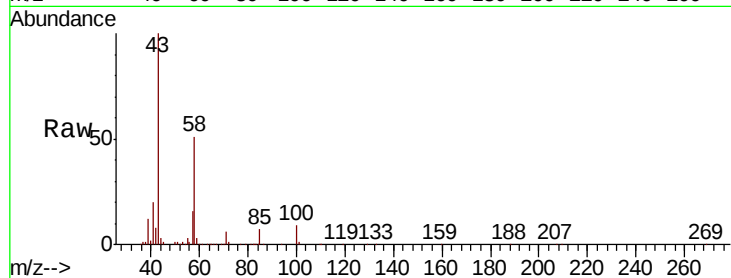
#59
2-Hexanone
Concen: 194.828 ug/l
RT: 9.60 min Scan# 910
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.6	76.6

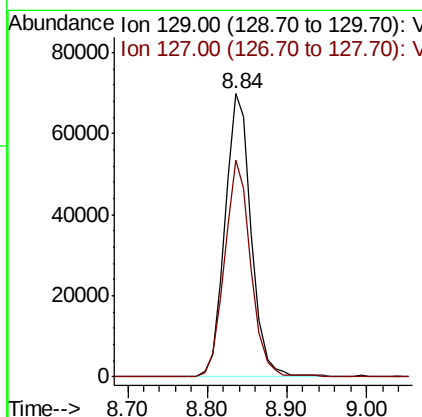
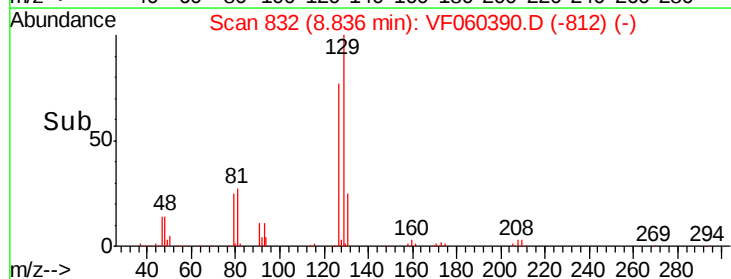
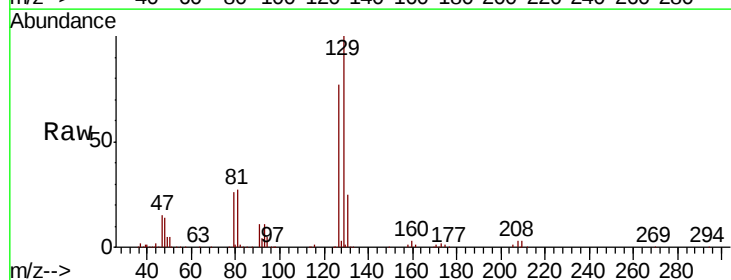
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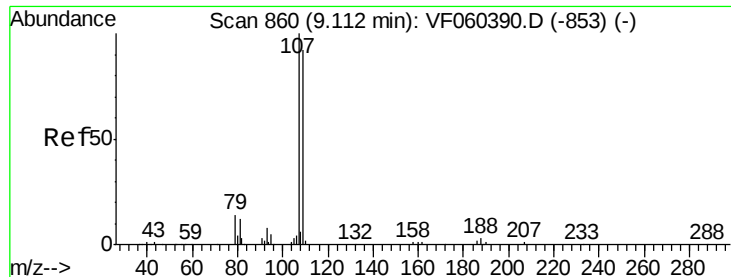
apatel
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#60
Dibromochloromethane
Concen: 49.286 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.3	114.8





#61

1,2-Dibromoethane

Concen: 46.855 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 114495

Ion Ratio Lower Upper

107 100

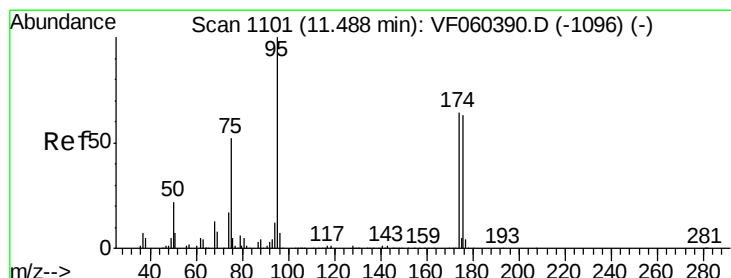
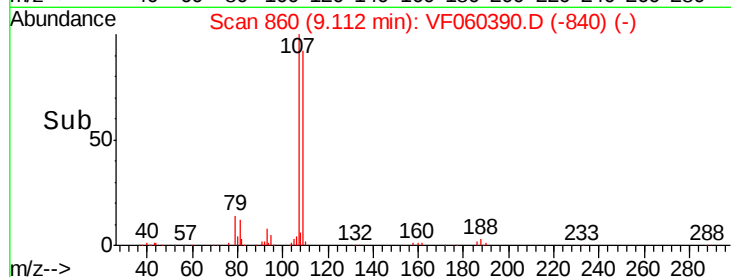
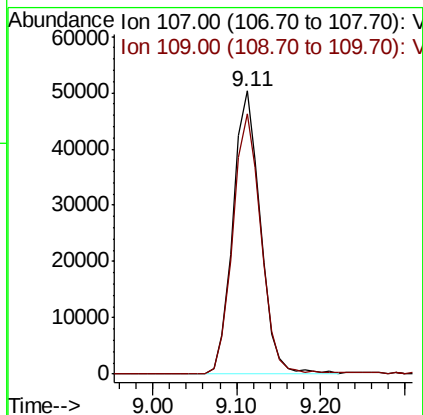
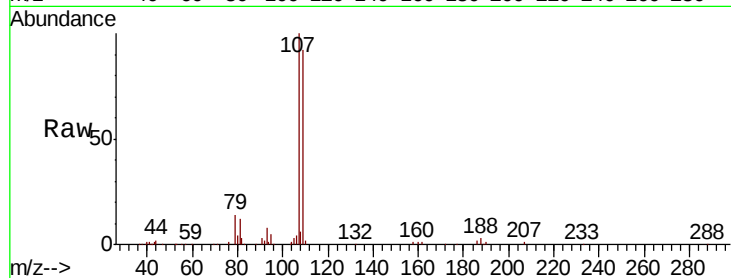
109 92.1 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 52.284 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

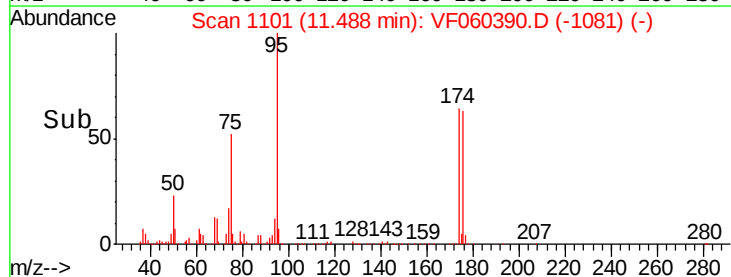
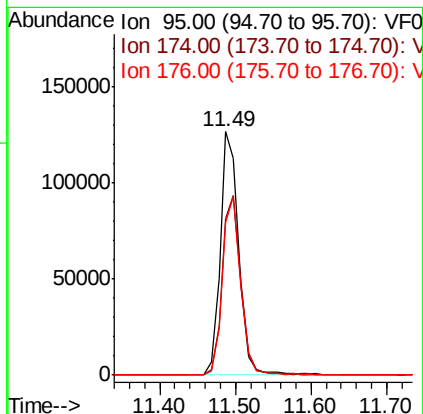
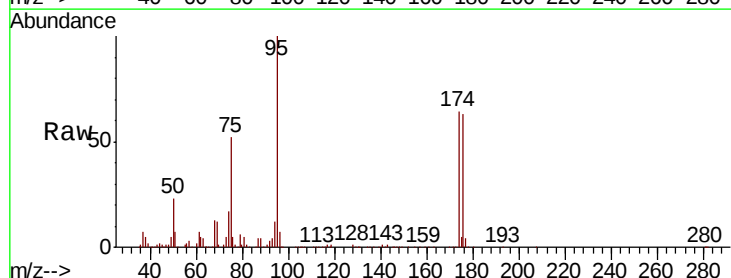
Tgt Ion: 95 Resp: 215482

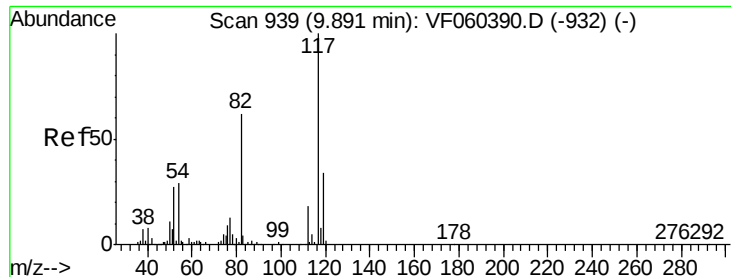
Ion Ratio Lower Upper

95 100

174 64.5 0.0 129.0

176 62.8 0.0 125.6





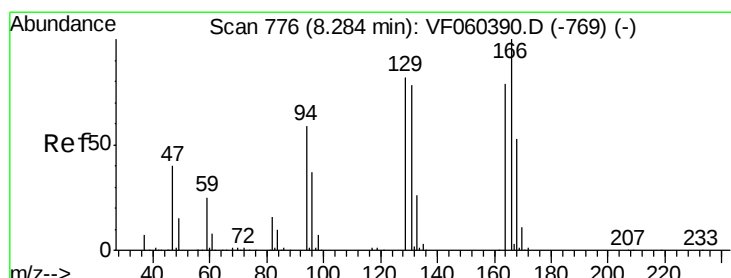
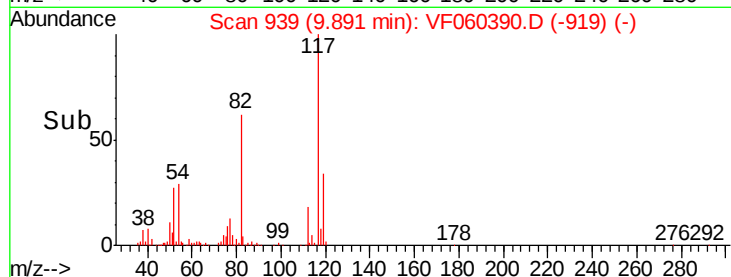
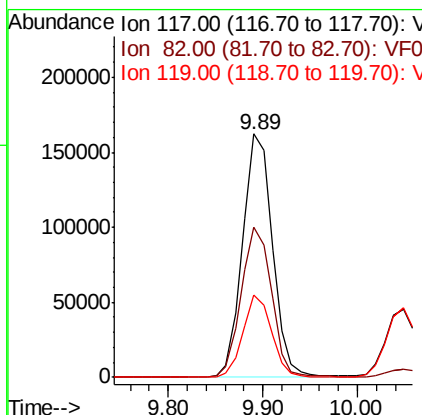
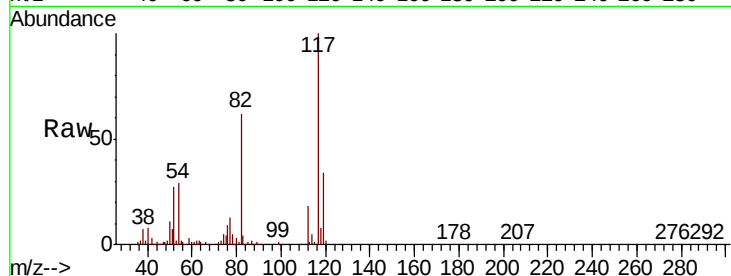
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.5	74.3
119	33.8	27.0	40.6

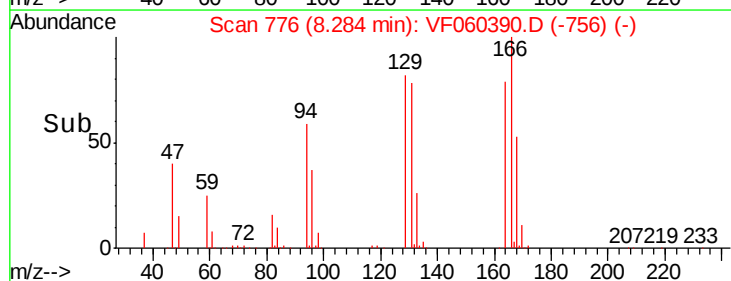
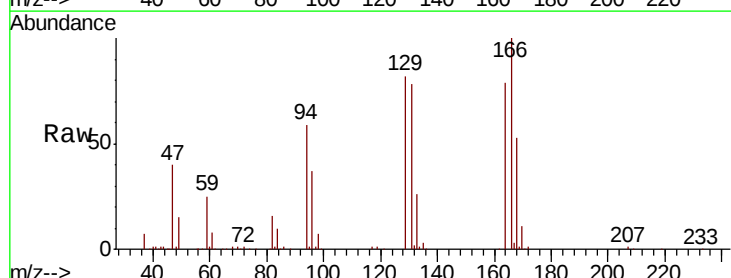
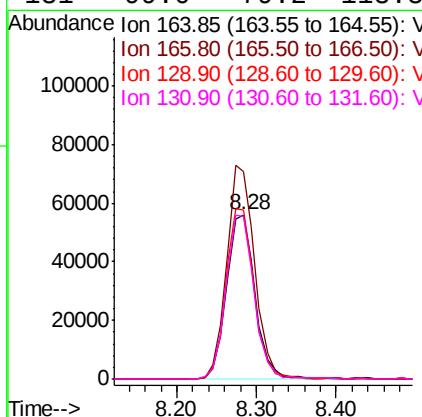
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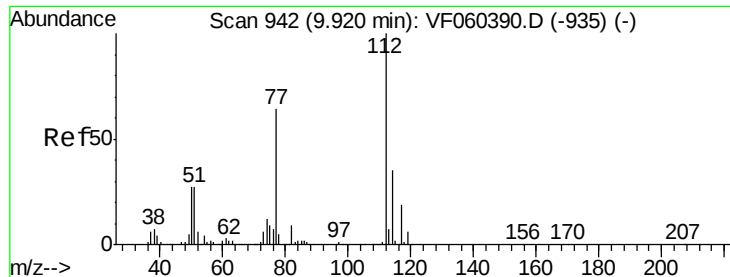
apatel
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#64
Tetrachloroethene
Concen: 43.755 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.6
129	103.1	82.5	123.7
131	99.0	79.2	118.8





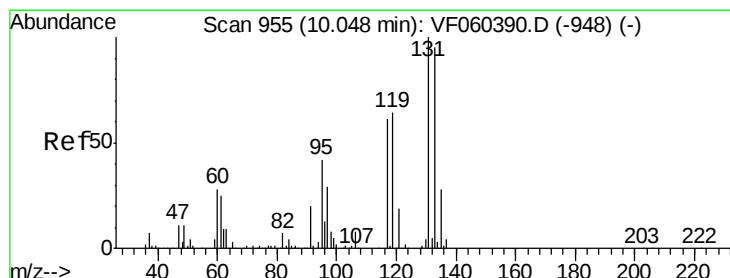
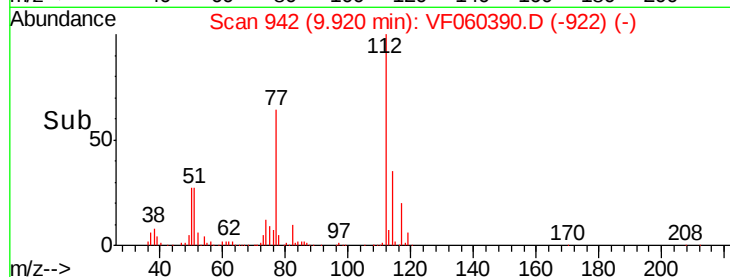
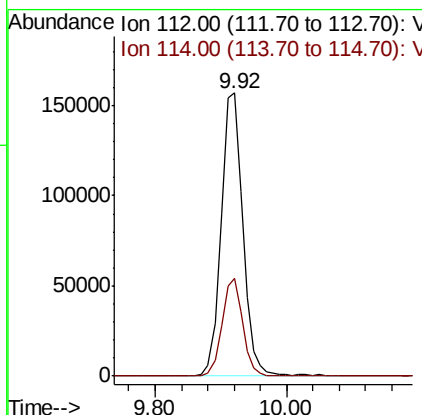
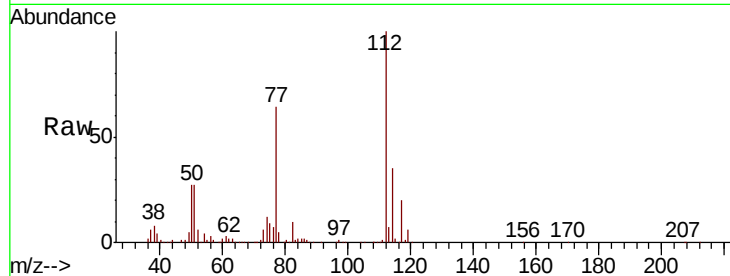
#65
Chlorobenzene
Concen: 45.292 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 363174
Ion Ratio Lower Upper
112 100
114 34.6 27.7 41.5

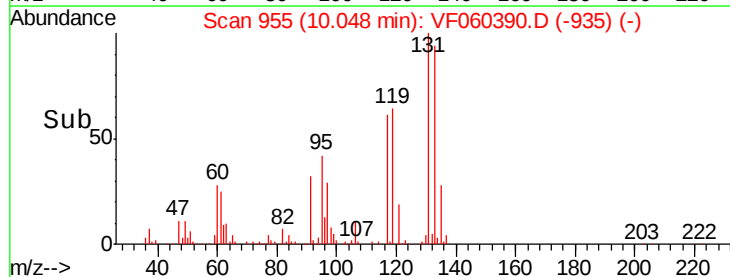
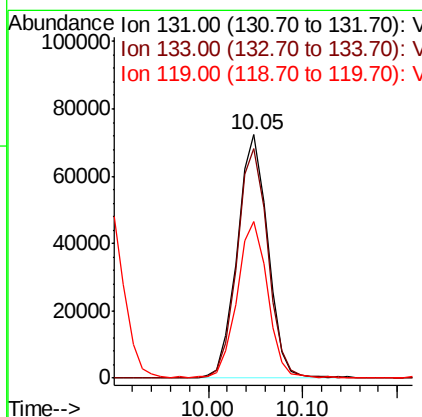
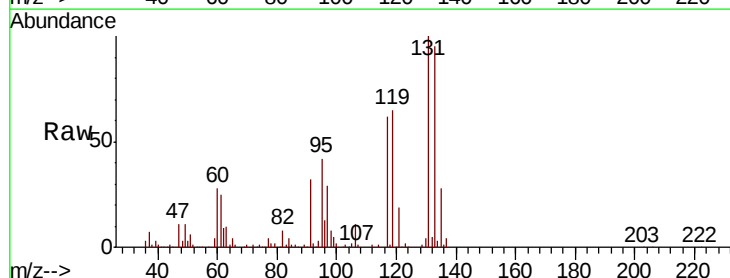
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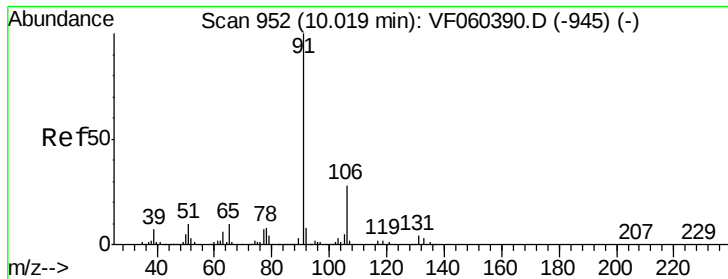
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.893 ug/l
RT: 10.05 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion:131 Resp: 161713
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 64.6 32.3 96.9





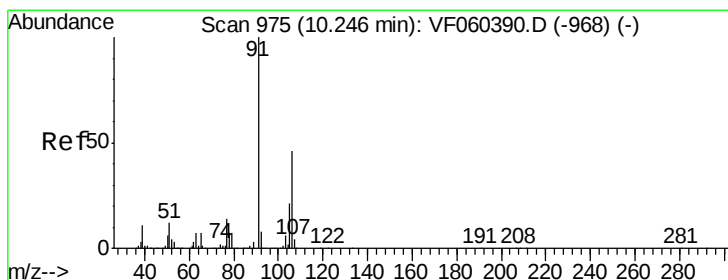
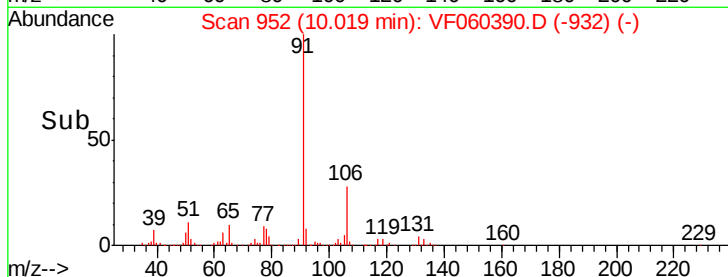
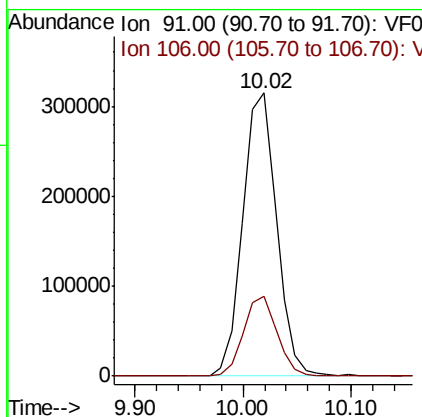
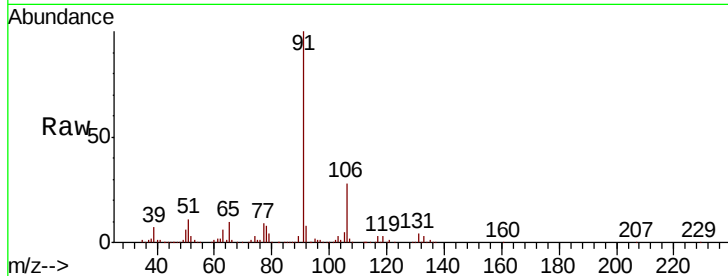
#67
Ethyl Benzene
Concen: 46.213 ug/l
RT: 10.02 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 688239
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7

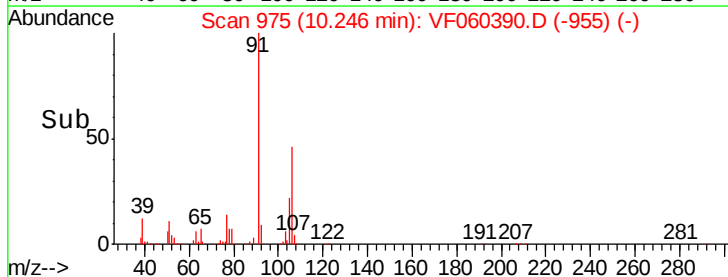
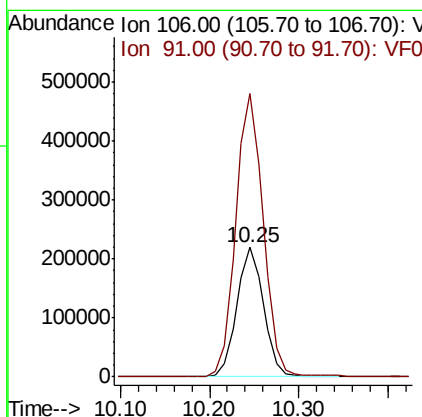
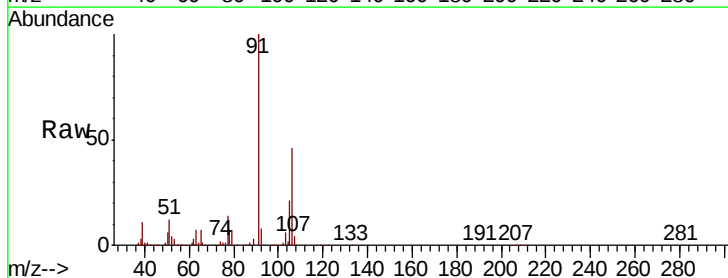
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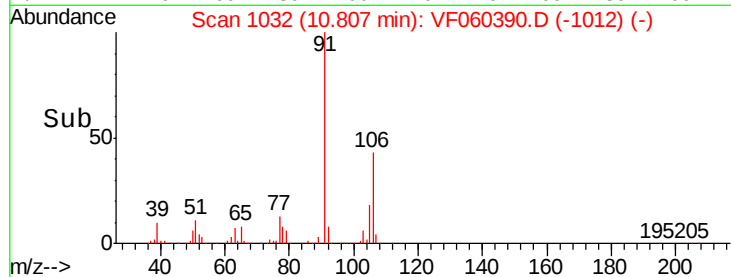
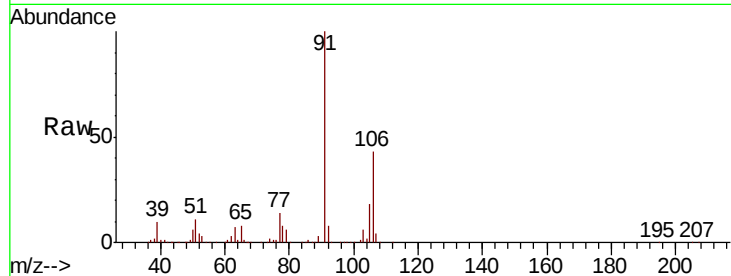
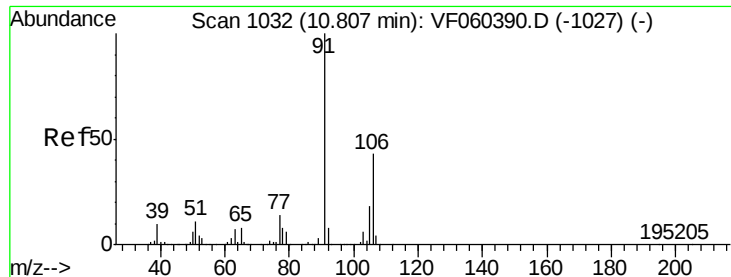
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#68
m/p-Xylenes
Concen: 89.551 ug/l
RT: 10.25 min Scan# 975
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion: 106 Resp: 460354
Ion Ratio Lower Upper
106 100
91 218.8 175.0 262.6





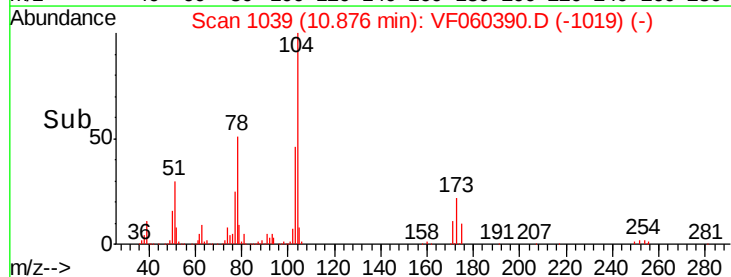
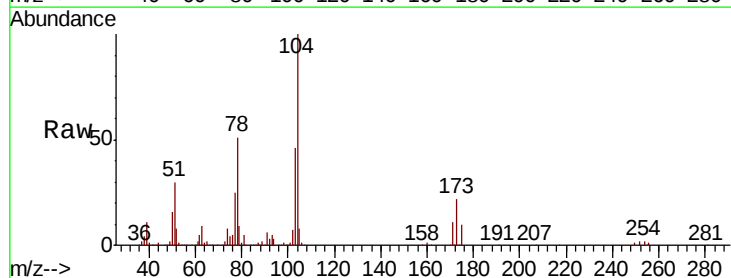
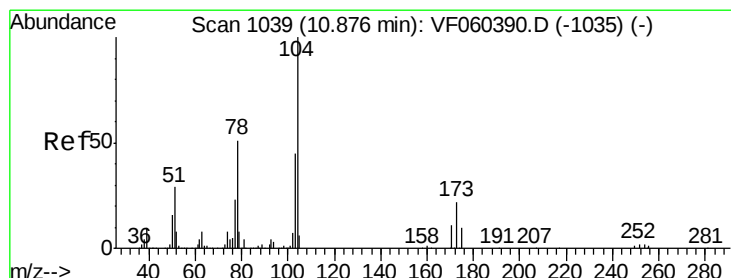
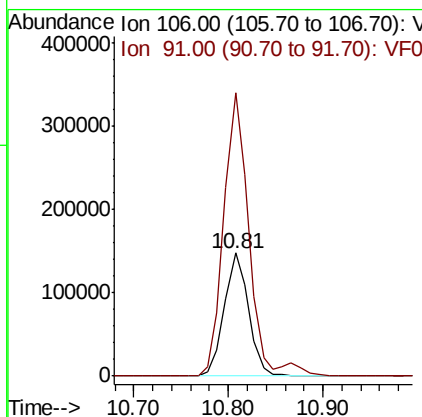
#69
o-Xylene
Concen: 45.767 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tot Ion	Ratio	Resp	Lower	Upper
106	100	263307		
91	230.1	115.1	345.2	

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

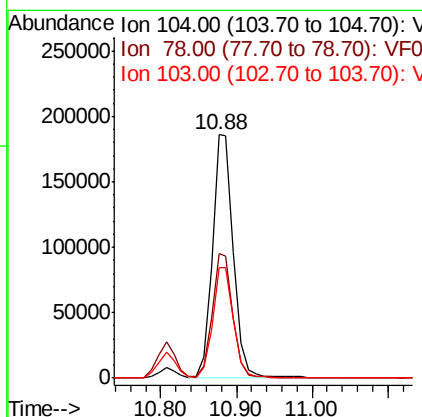
Manual Integrations
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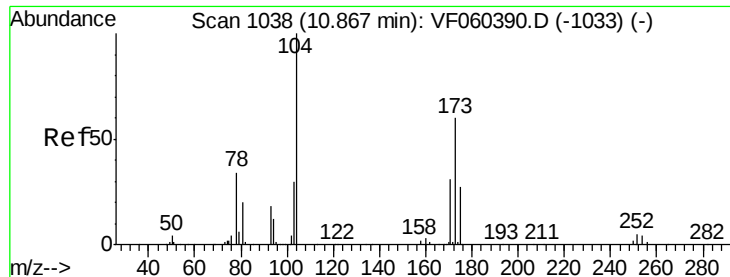
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#70
Styrene
Concen: 44.535 ug/l
RT: 10.88 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	360368		
78	51.2	41.0	61.4	
103	45.5	36.4	54.6	





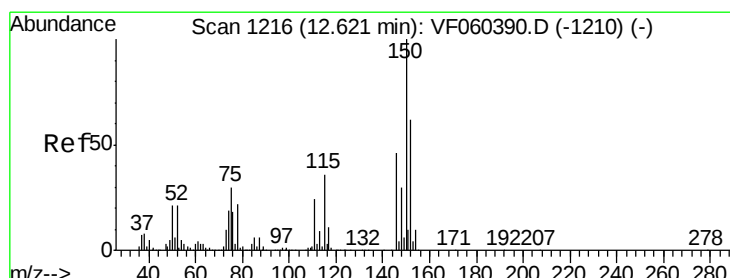
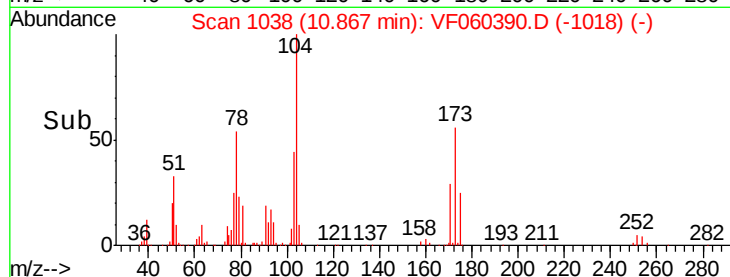
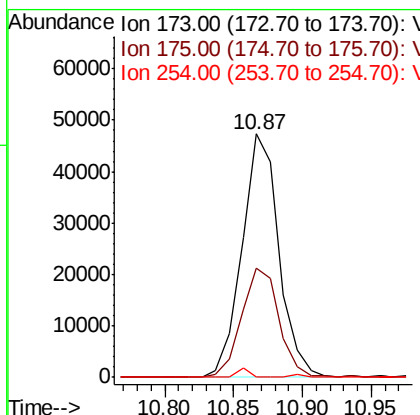
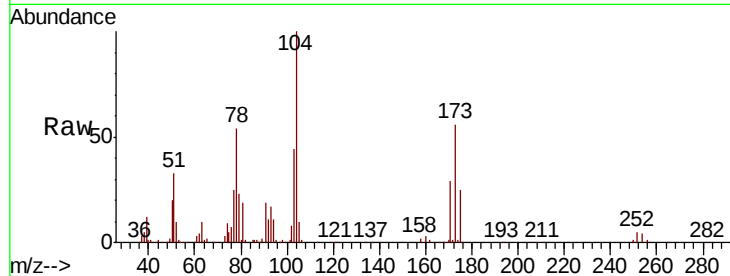
#71
Bromoform
Concen: 47.881 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.1	22.1	66.1
254	0.0	0.0	0.0

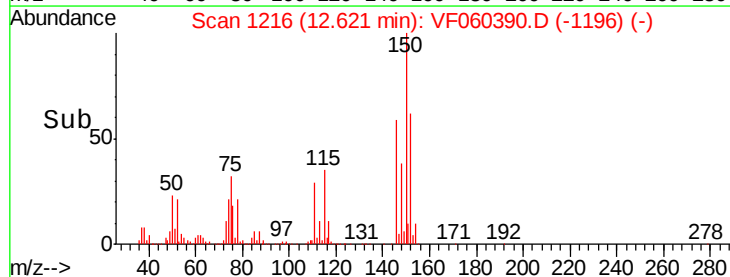
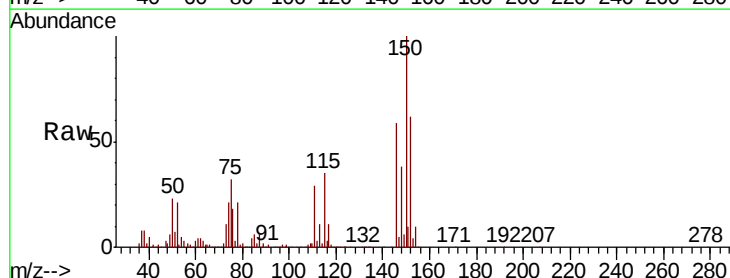
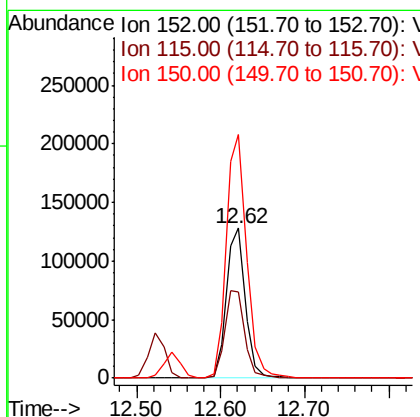
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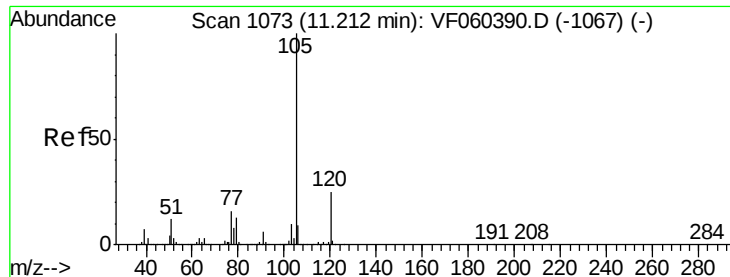
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.6	85.8
150	162.3	0.0	324.6





#73

Isopropylbenzene

Concen: 42.989 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 758650

Ion Ratio Lower Upper

105 100

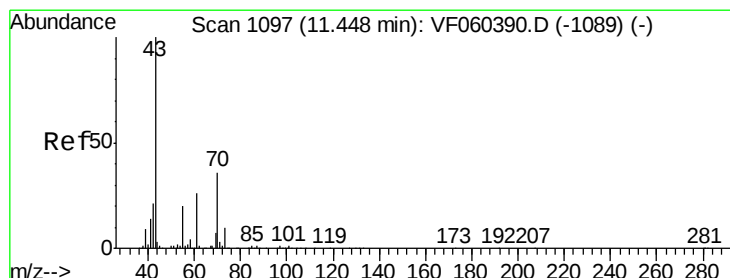
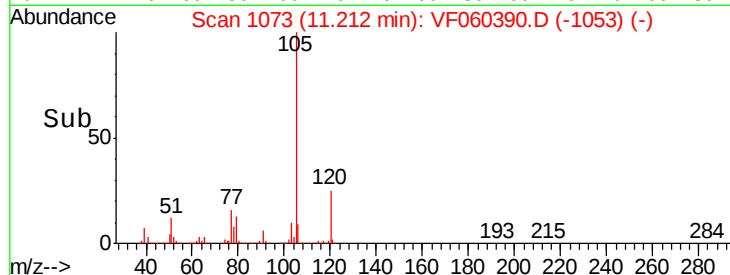
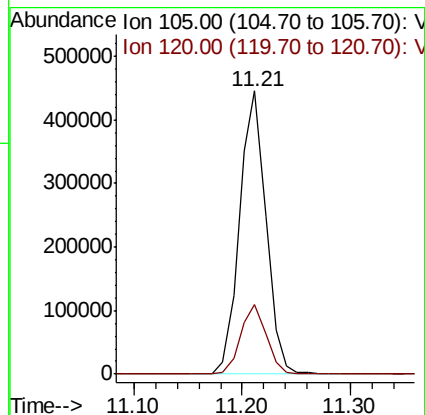
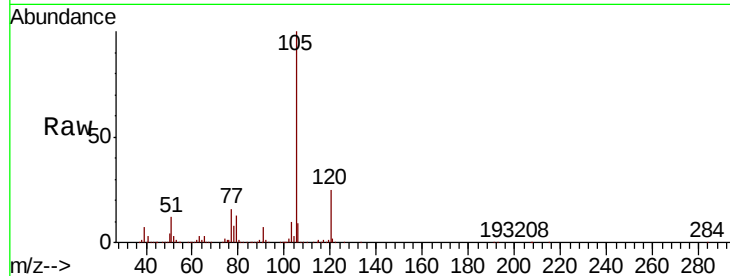
120 24.6 12.3 36.9

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#74

N-ethyl acetate

Concen: 44.387 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion: 43 Resp: 169698

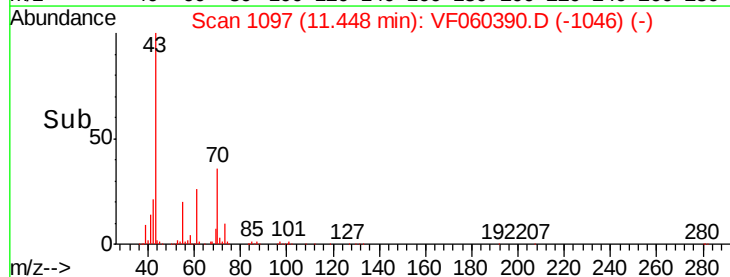
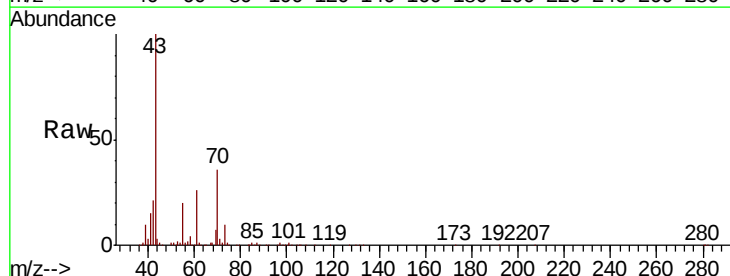
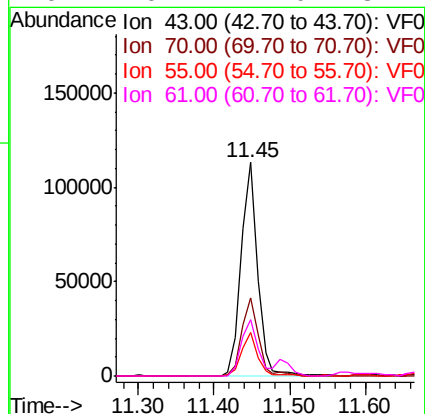
Ion Ratio Lower Upper

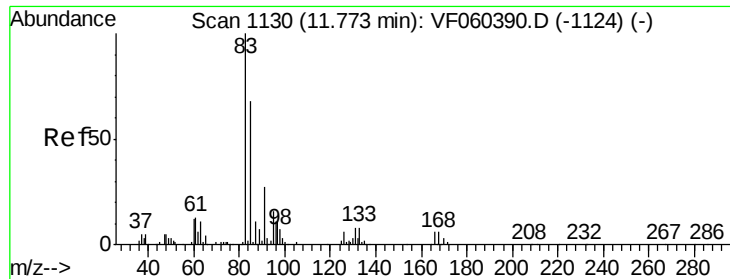
43 100

70 36.4 29.1 43.7

55 20.4 16.3 24.5

61 26.2 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 44.231 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

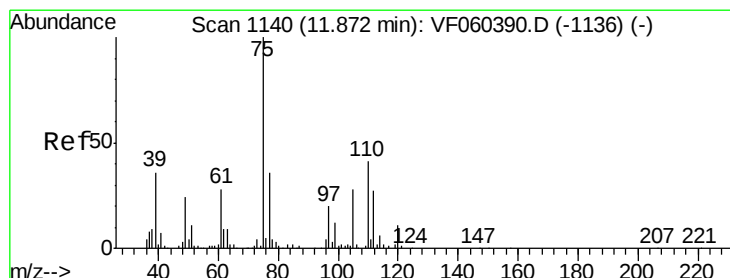
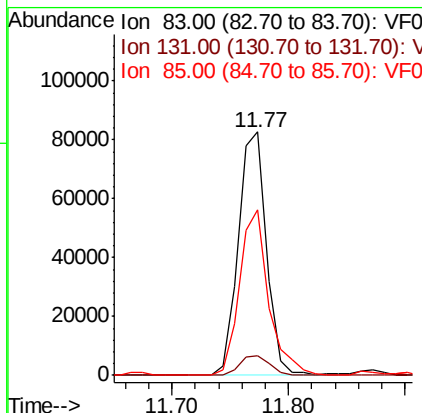
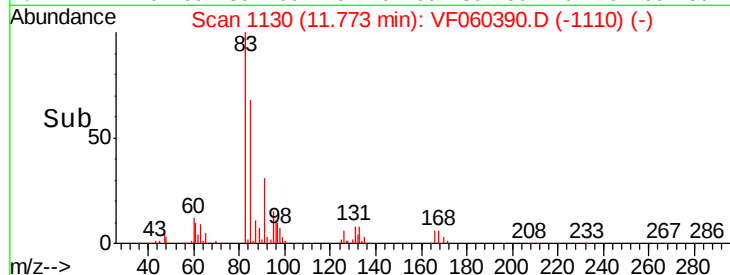
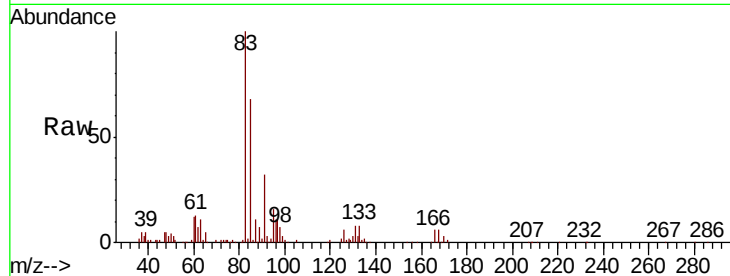
ClientSampleId :

VSTDICCC050

Tot Ion	83	Resp	138560
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.0	12.0
85	68.0	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 44.981 ug/l

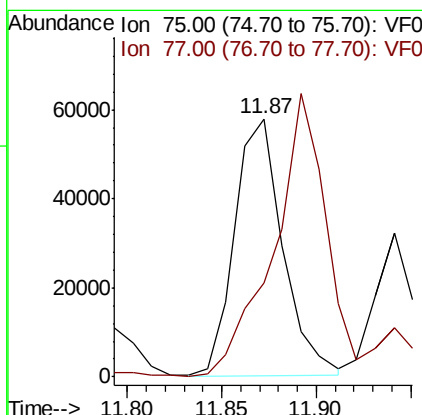
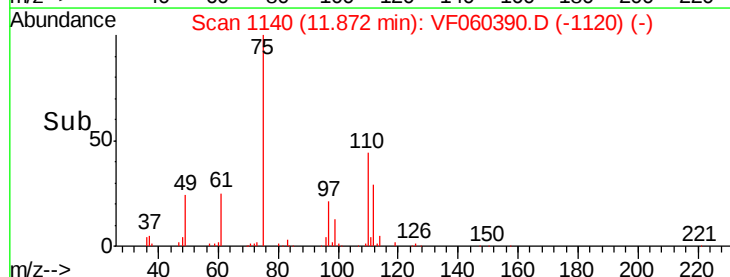
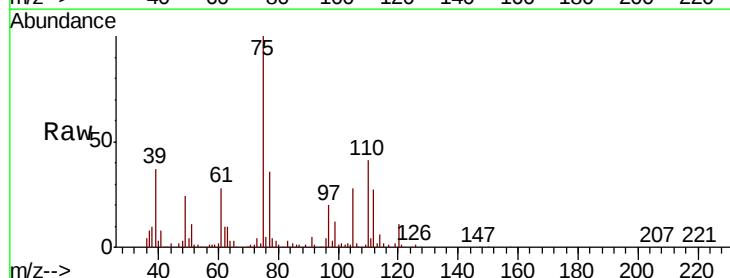
RT: 11.87 min Scan# 1140

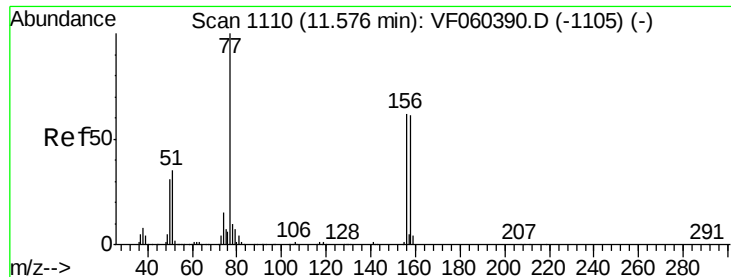
Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Tgt Ion	75	Resp	101944
Ion Ratio	Lower	Upper	
75	100		
77	36.3	18.1	54.4





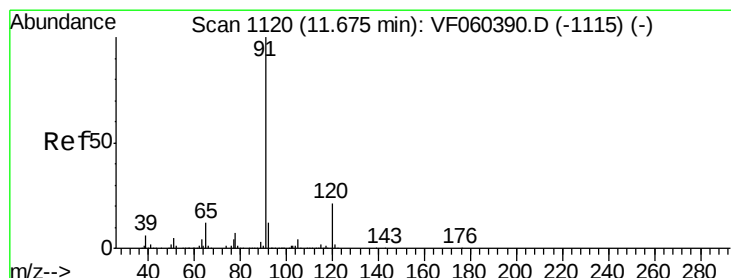
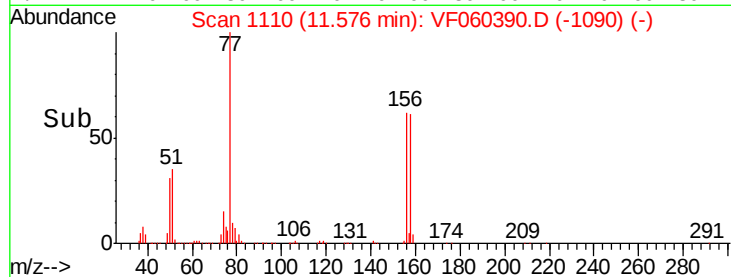
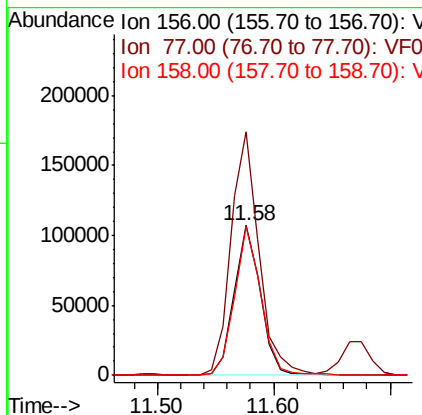
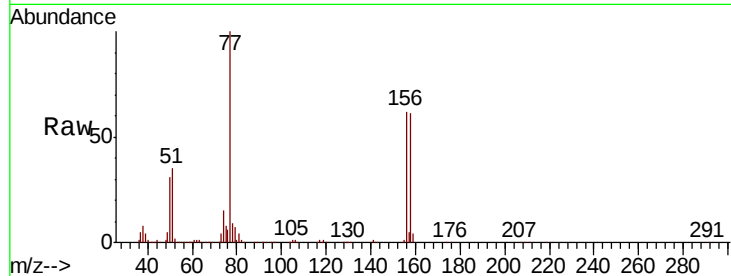
#77
Bromobenzene
Concen: 44.034 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	167885		
77	162.6	81.3	243.9	
158	99.3	49.6	149.0	

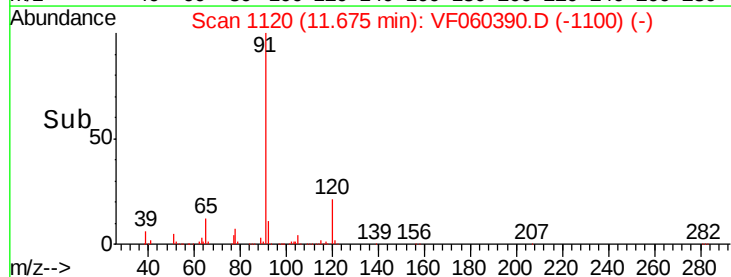
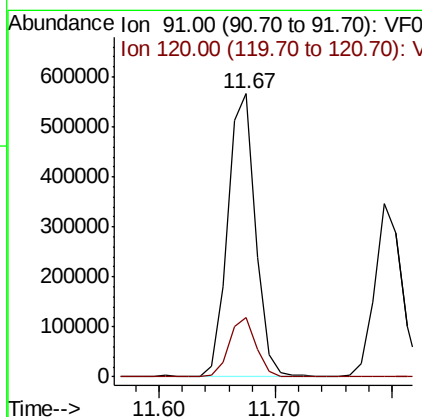
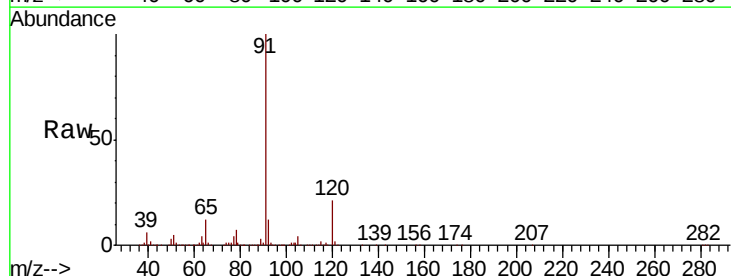
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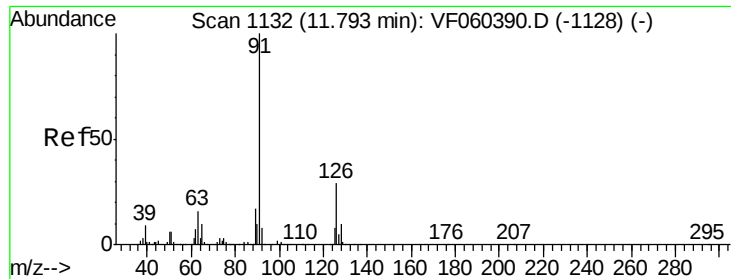
apatel
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#78
n-propylbenzene
Concen: 44.573 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	934094		
120	21.1	10.5	31.6	





#79

2-Chlorotoluene

Concen: 45.223 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 546538

Ion Ratio Lower Upper

91 100

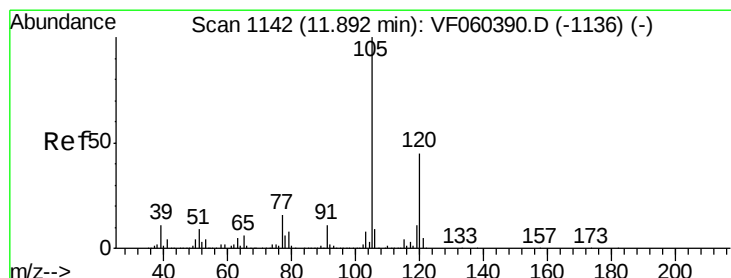
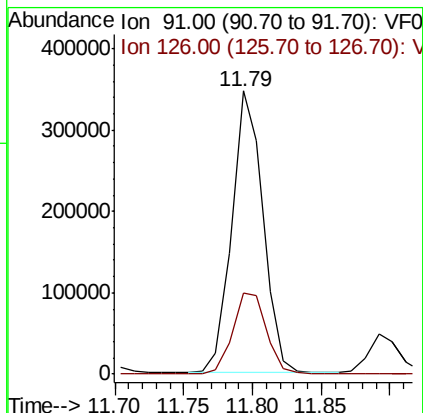
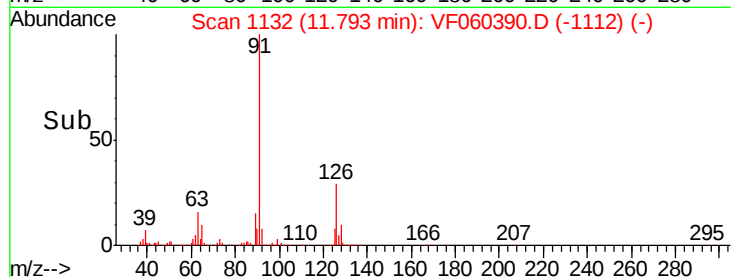
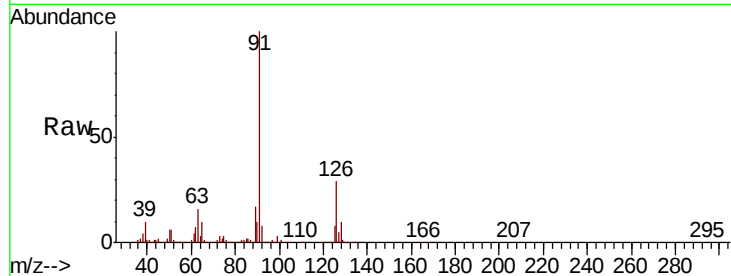
126 28.9 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 45.722 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060390.D

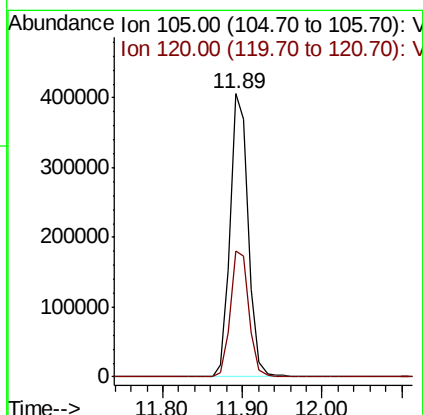
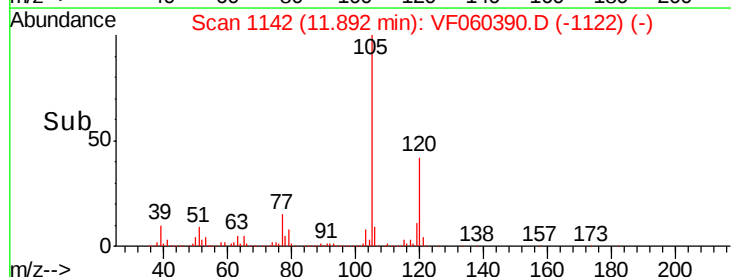
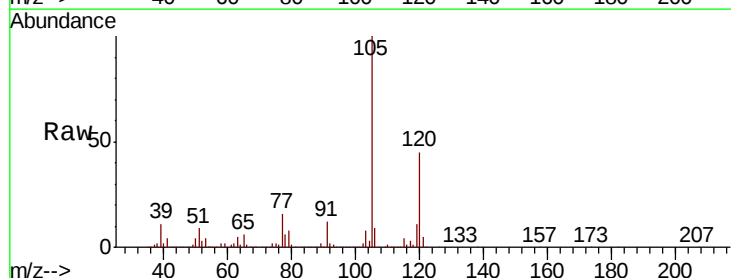
Acq: 1 Oct 2018 18:42

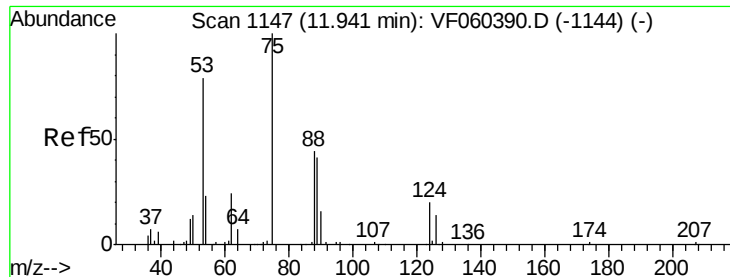
Tgt Ion: 105 Resp: 652591

Ion Ratio Lower Upper

105 100

120 44.6 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 40.342 ug/l m

RT: 11.94 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VF060390.D

Acq: 1 Oct 2018 18:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 47708

Ion Ratio Lower Upper

75 100

53 84.8 67.8 101.8

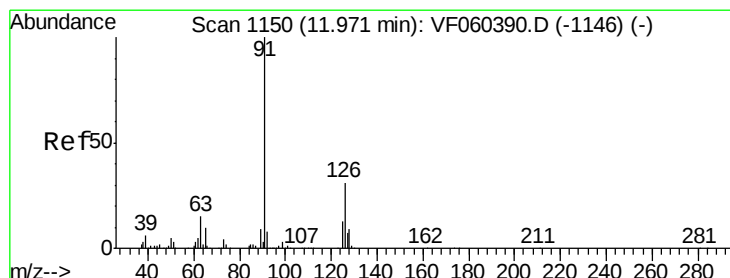
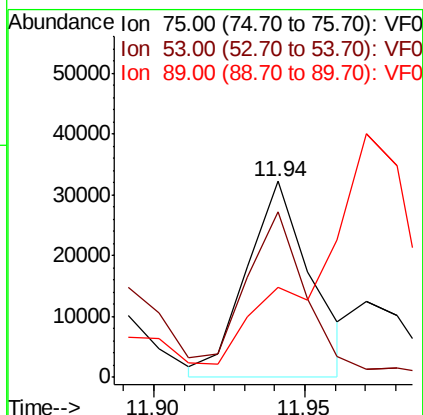
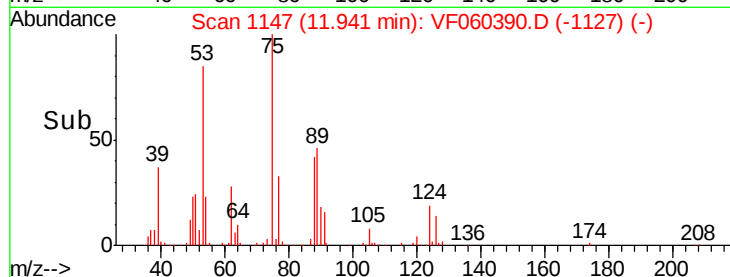
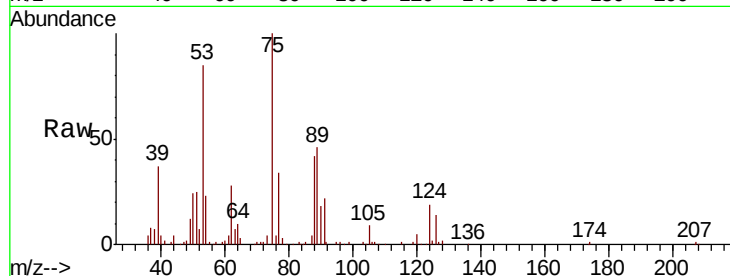
89 45.9 36.7 55.1

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#82

4-Chlorotoluene

Concen: 45.309 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF060390.D

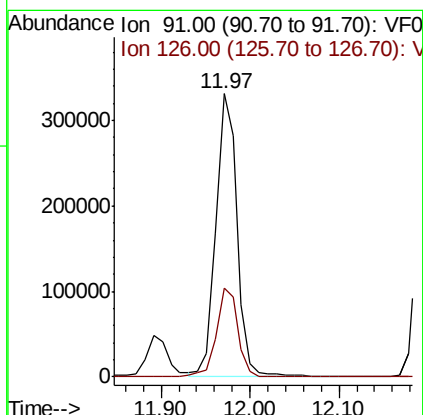
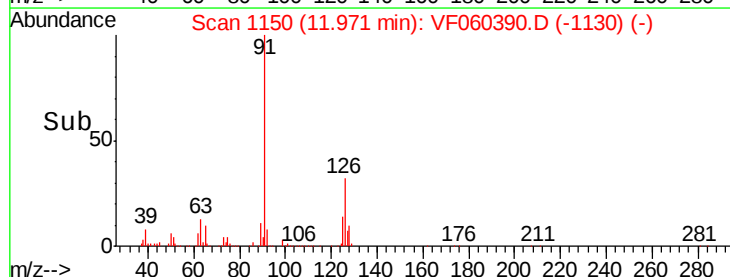
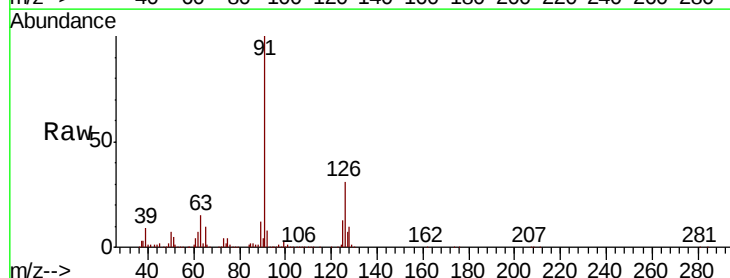
Acq: 1 Oct 2018 18:42

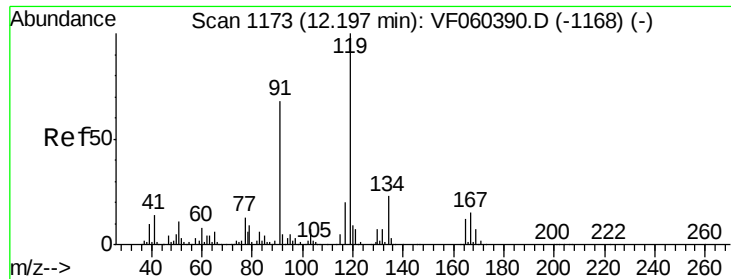
Tgt Ion: 91 Resp: 547769

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.0





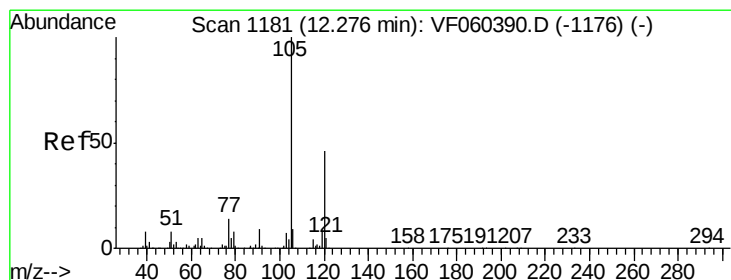
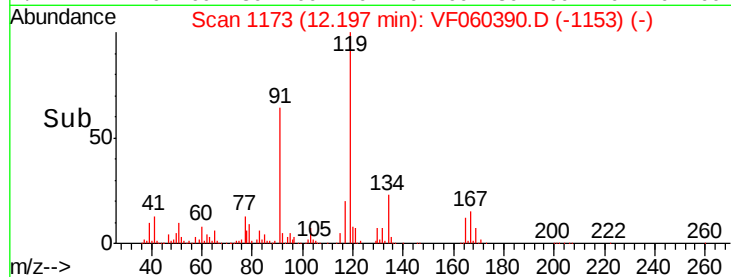
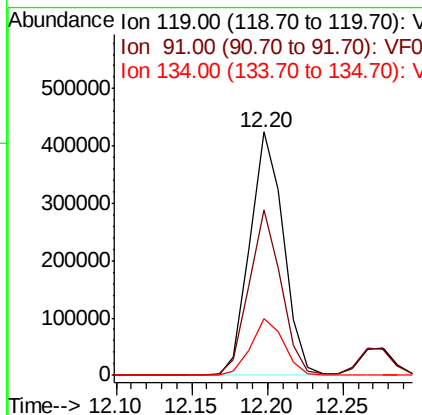
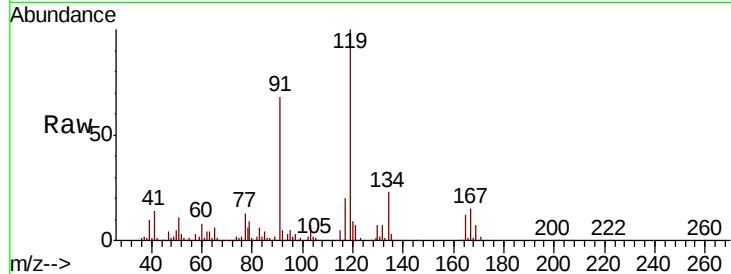
#83
 tert-Butylbenzene
 Concen: 45.585 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		661473		
91	68.0	34.0	102.0		
134	23.3	11.7	35.0		

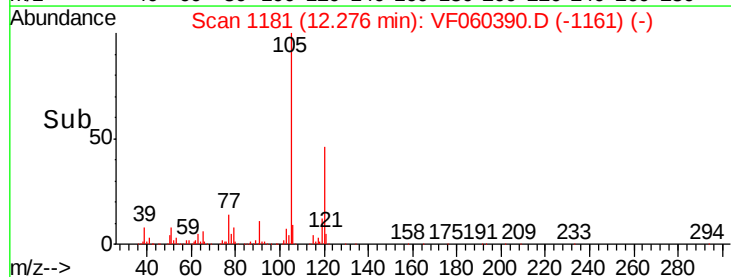
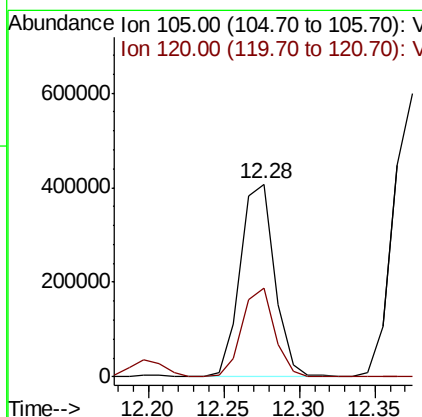
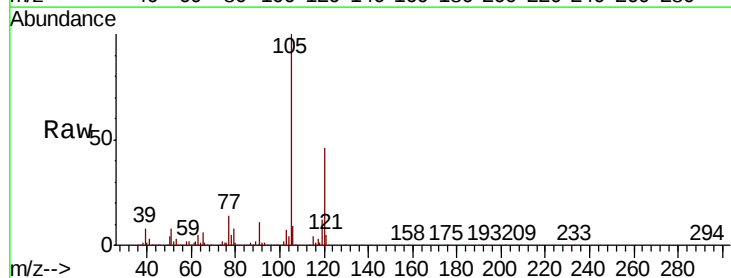
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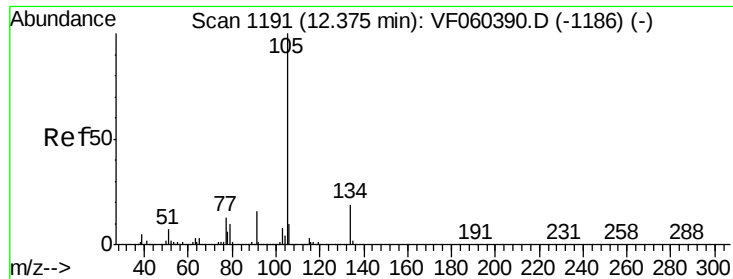
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.578 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		649648		
120	46.1	23.1	69.2		





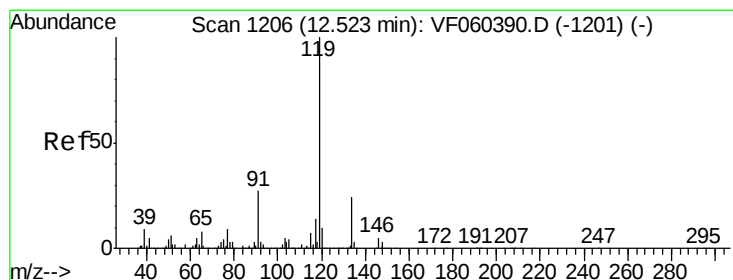
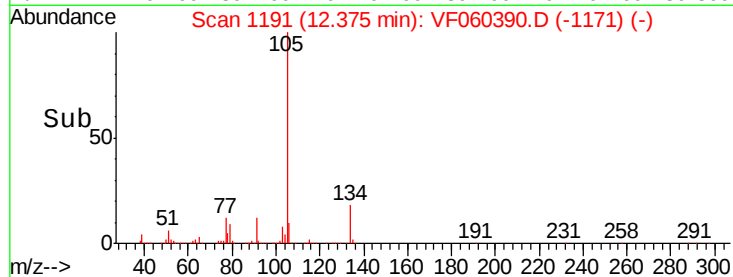
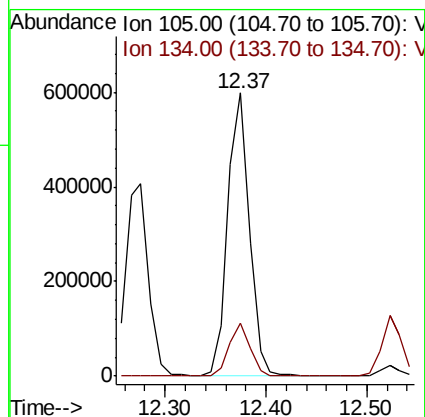
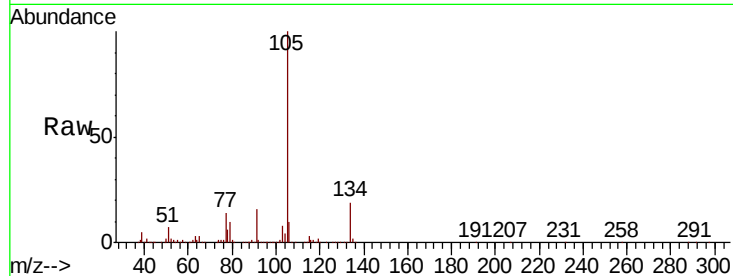
#85
 sec-Butylbenzene
 Concen: 44.594 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.3

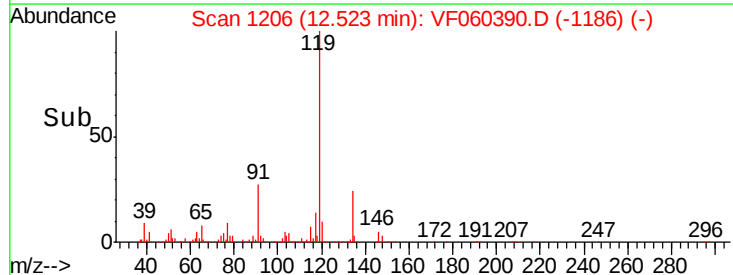
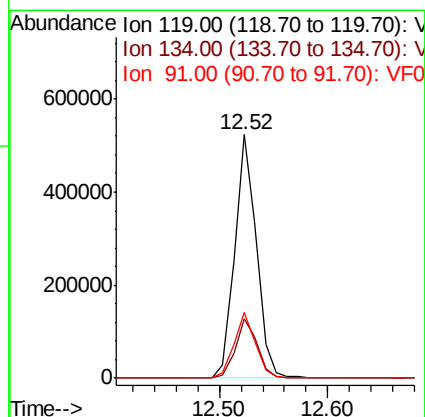
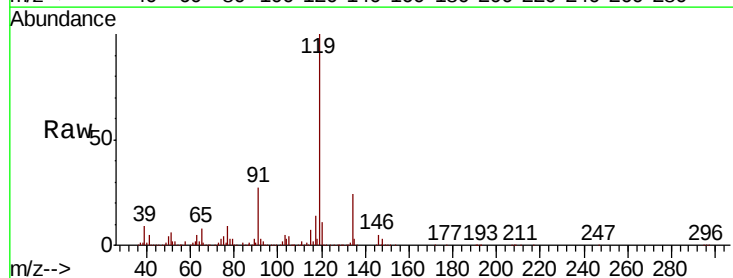
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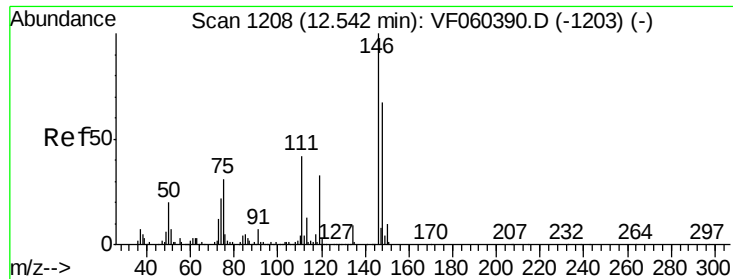
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#86
 p-Isopropyltoluene
 Concen: 45.872 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.3	36.8
91	26.9	13.5	40.4





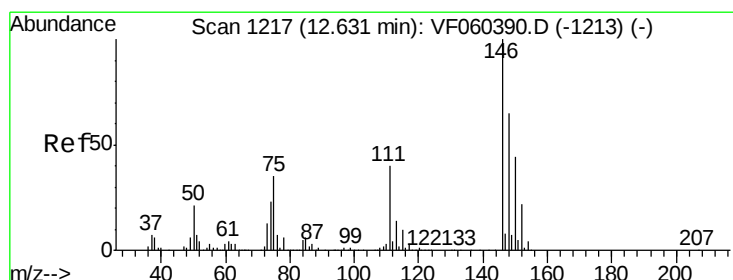
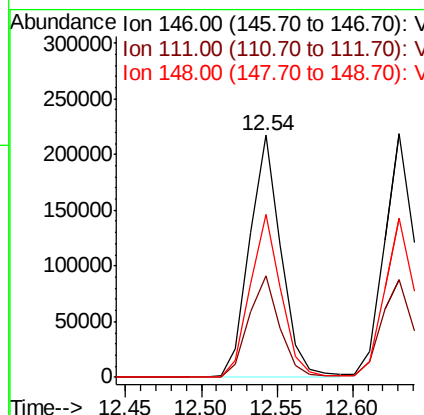
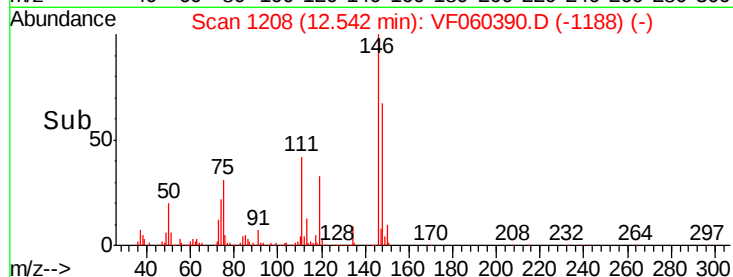
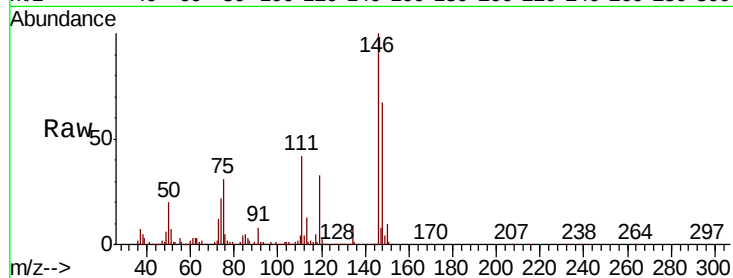
#87
 1,3-Dichlorobenzene
 Concen: 44.241 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.7
148	67.2	33.6	100.8

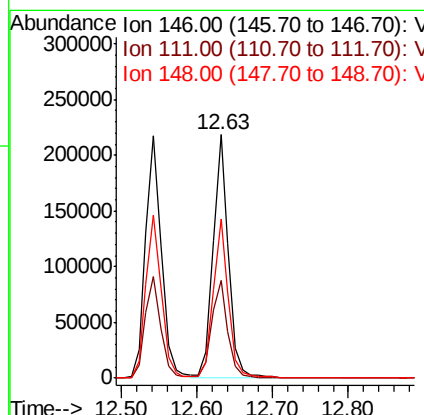
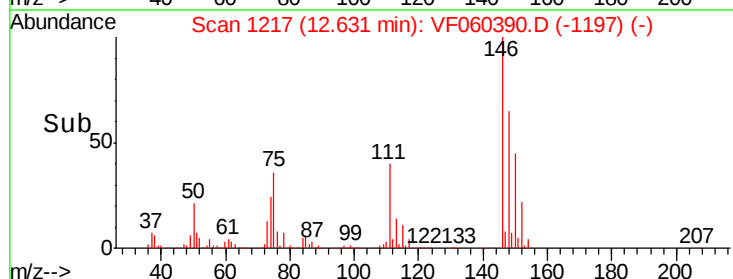
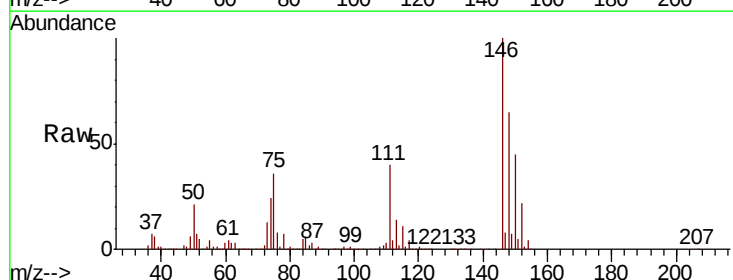
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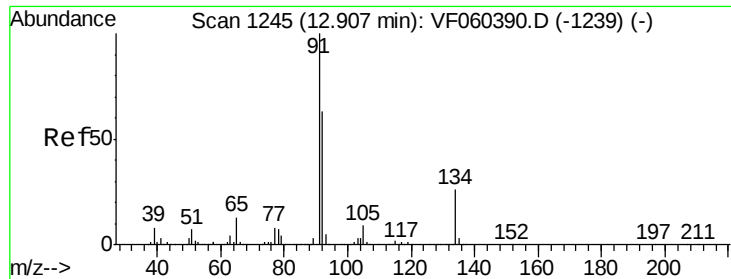
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#88
 1,4-Dichlorobenzene
 Concen: 44.886 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	65.2	32.6	97.8





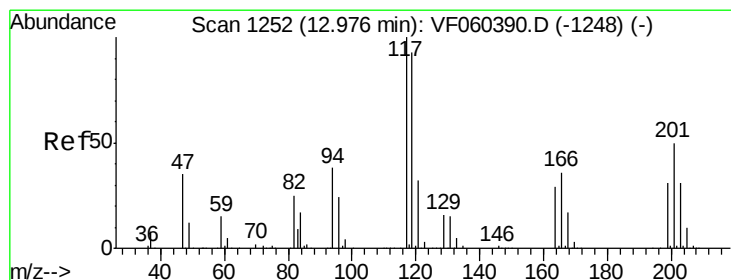
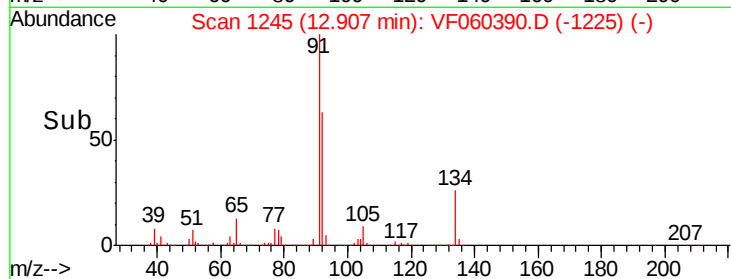
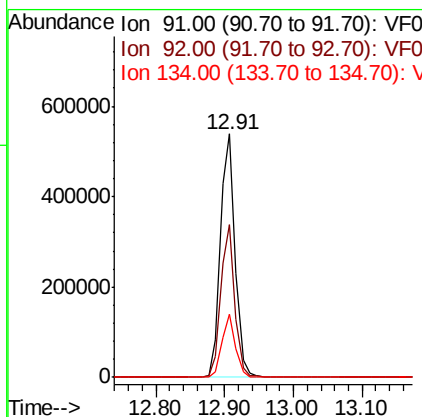
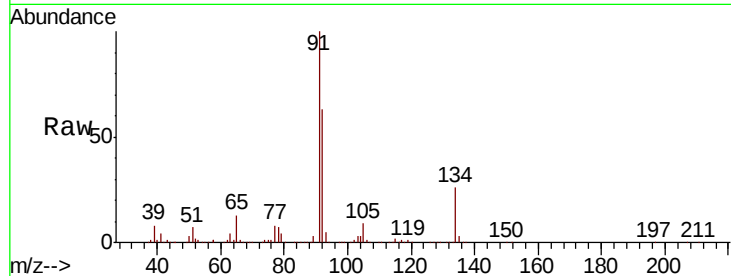
#89
n-Butylbenzene
Concen: 46.746 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	791728		
92	62.6	31.3	93.9	
134	25.9	13.0	38.9	

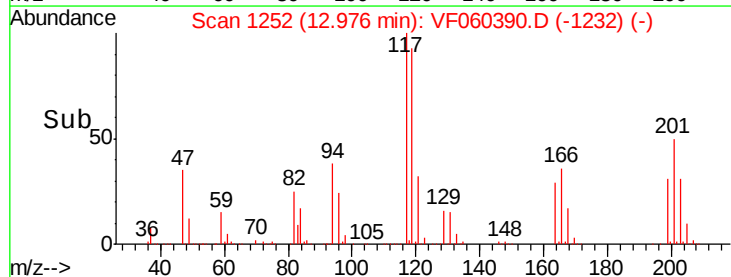
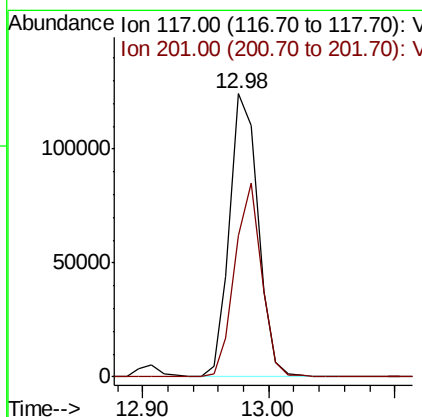
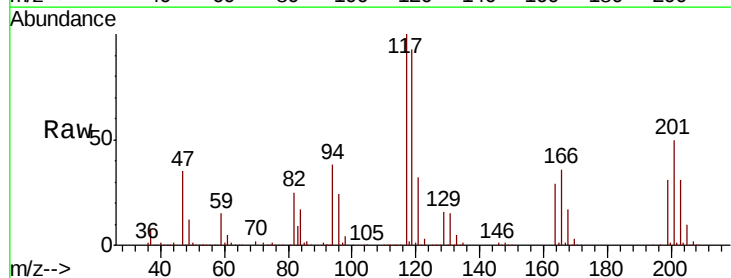
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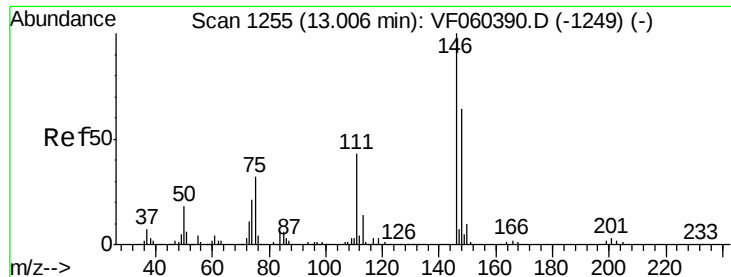
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#90
Hexachloroethane
Concen: 47.836 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	195366		
201	51.0	25.5	76.5	





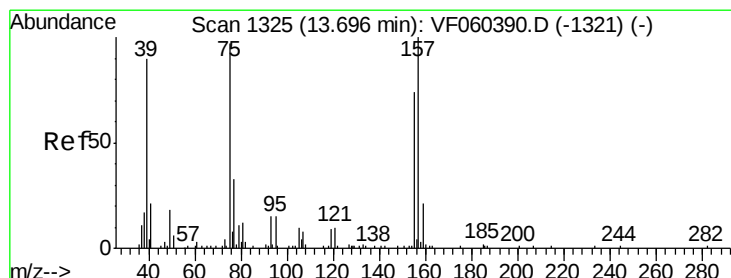
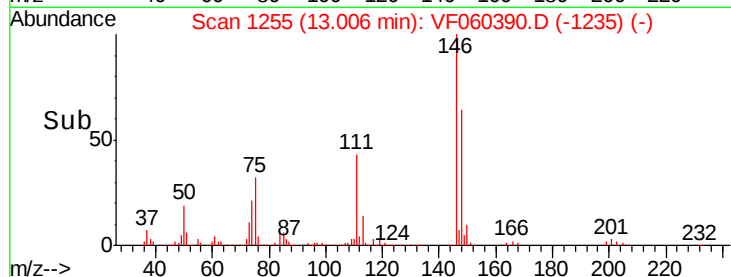
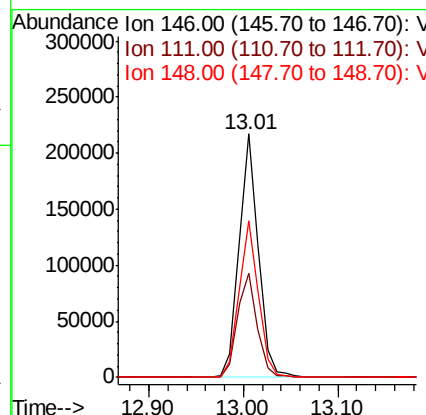
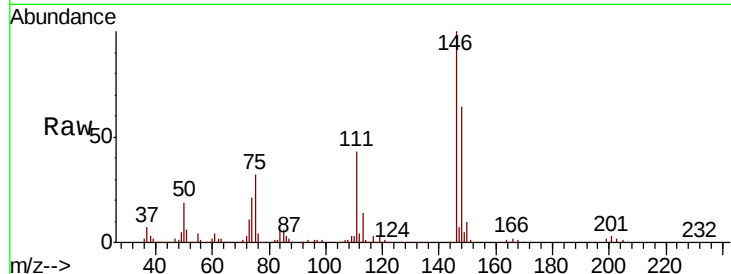
#91
 1,2-Dichlorobenzene
 Concen: 44.938 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	64.4	32.2	96.6

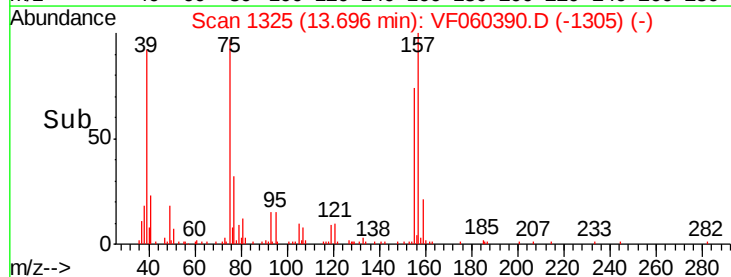
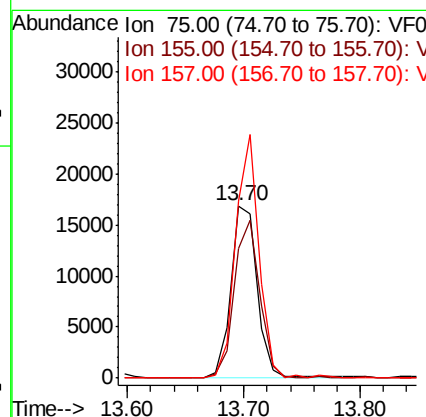
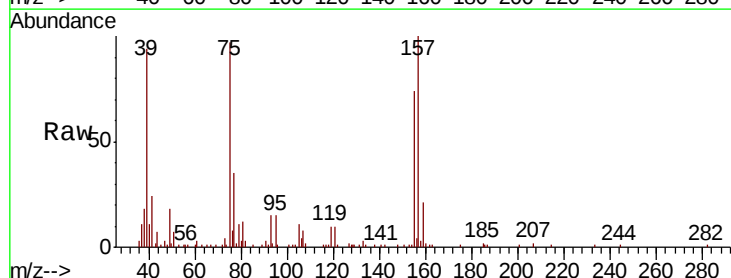
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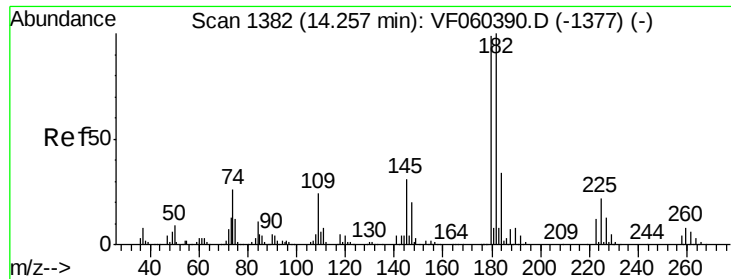
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.835 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	37.9	113.6
157	102.7	51.3	154.0





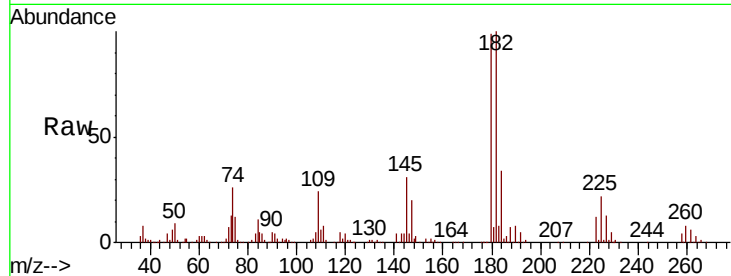
#93
 1,2,4-Trichlorobenzene
 Concen: 46.132 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230774		
182	100.6	50.3	150.9	
145	31.0	15.5	46.5	

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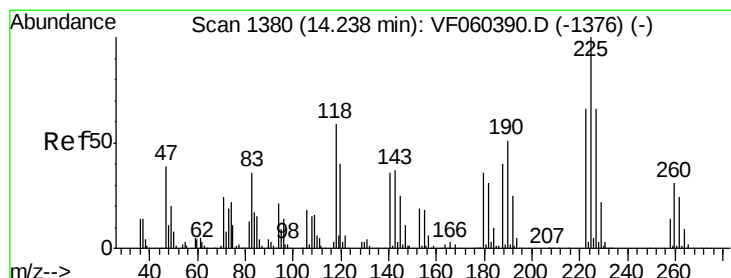
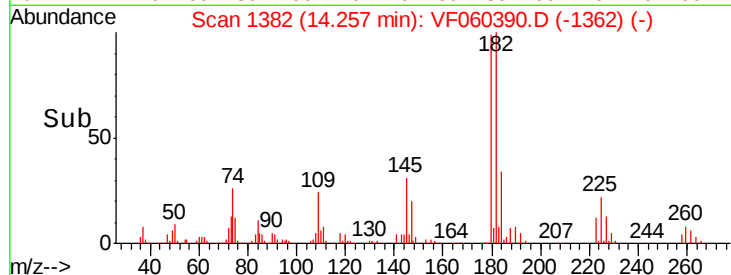
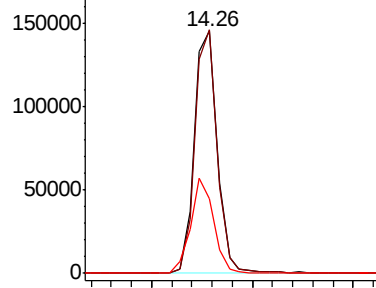


Abundance

Ion 180.00 (179.70 to 180.70): V

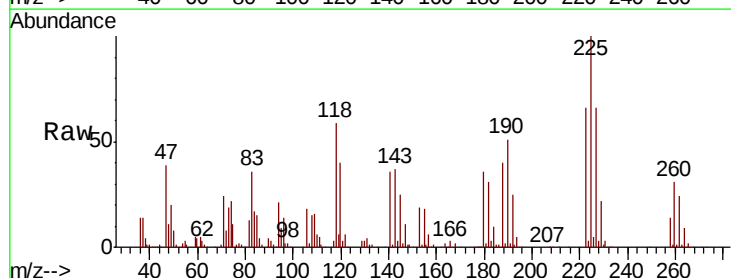
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 47.675 ug/l
 RT: 14.24 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF060390.D
 Acq: 1 Oct 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161065		
223	65.6	32.8	98.4	
227	66.0	33.0	99.0	

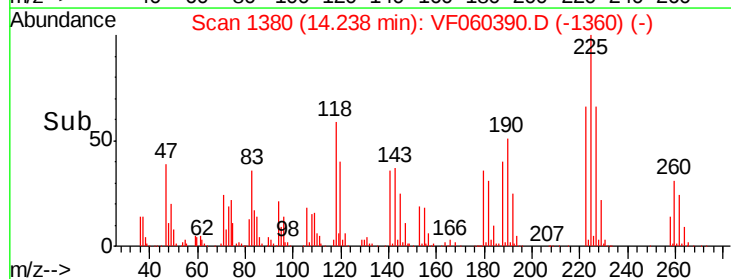
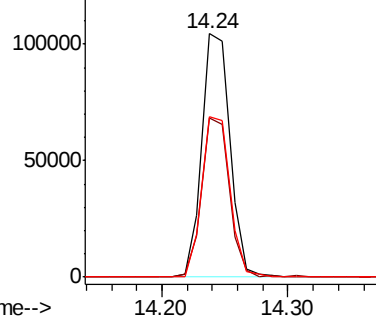


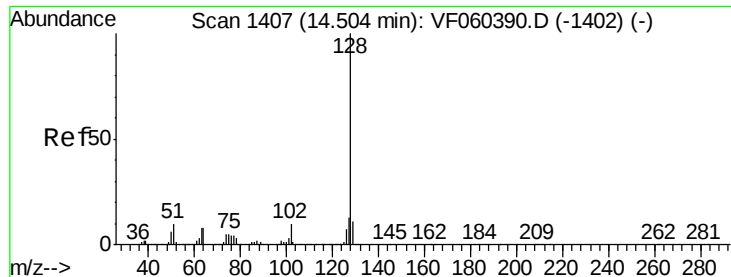
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





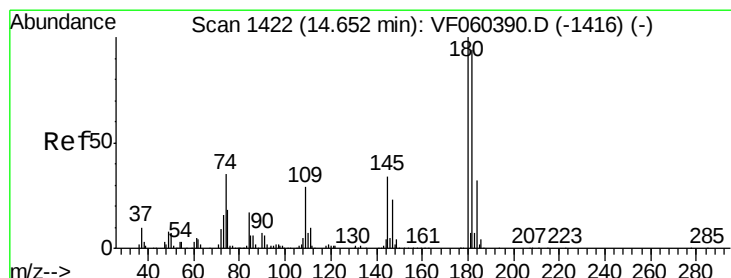
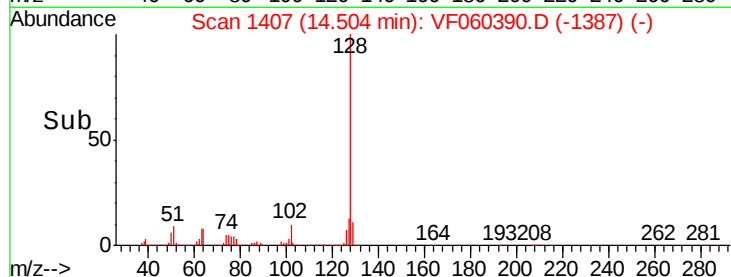
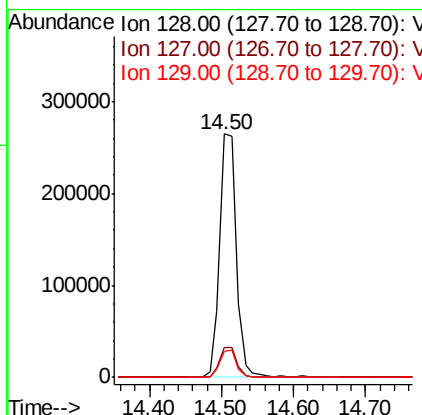
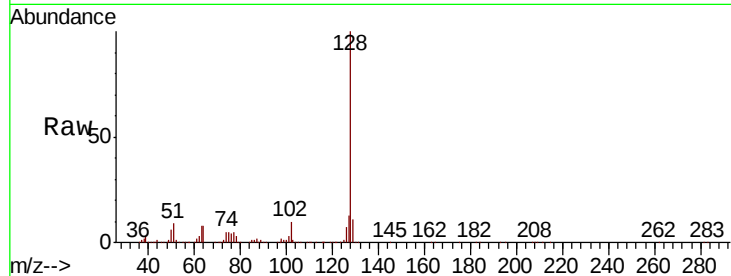
#95
Naphthalene
Concen: 47.967 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		423783		
127	12.5	10.0	15.0		
129	10.9	8.7	13.1		

Manual Integrations
APPROVED

apatel
10/2/2018 12:29:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.230 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. 0.00 min
Lab File: VF060390.D
Acq: 1 Oct 2018 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		222478		
182	93.5	46.8	140.3		
145	33.7	16.9	50.6		

