

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060439.D
 Acq On : 4 Oct 2018 16:48
 Operator : VA/AP
 Sample : VF1004SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Manual Integrations
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 10/5/2018 12:26:27 PM

Quant Time: Oct 04 17:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	278749	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	436655	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	413728	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	220276	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	217412	49.84	ug/l	0.01
Spiked Amount 50.000			Recovery	=	99.68%	
35) Dibromofluoromethane	4.28	113	198593	48.41	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.82%	
50) Toluene-d8	7.69	98	513577	50.84	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.50	95	239856	52.00	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	136005	19.219	ug/l	99
3) Chloromethane	1.13	50	74713	19.738	ug/l	96
4) Vinyl Chloride	1.18	62	76650	19.466	ug/l	92
5) Bromomethane	1.36	94	59754	19.592	ug/l	96
6) Chloroethane	1.43	64	37250	18.957	ug/l	98
7) Trichlorofluoromethane	1.54	101	173200	18.959	ug/l	96
8) Diethyl Ether	1.70	74	25237	20.157	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.90	101	81303	18.579	ug/l	96
10) Methyl Iodide	1.98	142	126299m	18.926	ug/l	
11) Tert butyl alcohol	2.69	59	24879	94.299	ug/l #	78
12) 1,1-Dichloroethene	1.86	96	68671	20.310	ug/l	95
13) Acrolein	2.08	56	19535	92.070	ug/l #	73
14) Allyl chloride	2.18	41	105635	19.498	ug/l	89
15) Acrylonitrile	3.07	53	51857	114.709	ug/l #	88
16) Acetone	2.33	43	126582	129.464	ug/l	95
17) Carbon Disulfide	1.90	76	194182	18.966	ug/l	100
18) Methyl Acetate	2.45	43	31792	18.265	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	167366	20.323	ug/l #	91
20) Methylene Chloride	2.27	84	66242m	17.149	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	66849	19.796	ug/l	96
22) Diisopropyl ether	2.92	45	201692	20.510	ug/l	97
23) Vinyl Acetate	3.33	43	441588	113.042	ug/l	98
24) 1,1-Dichloroethane	2.99	63	125444	18.863	ug/l	98
25) 2-Butanone	4.50	43	130346	115.411	ug/l	95
26) 2,2-Dichloropropane	3.75	77	76047	20.190	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	76449	20.248	ug/l	98
28) Bromochloromethane	3.88	49	50208	20.485	ug/l	91
29) Tetrahydrofuran	4.24	42	52453	120.922	ug/l	95
30) Chloroform	4.03	83	162211	19.768	ug/l	98
31) Cyclohexane	3.85	56	96245	20.155	ug/l #	90
32) 1,1,1-Trichloroethane	4.26	97	131329	19.233	ug/l	96
36) 1,1-Dichloropropene	4.44	75	115101	21.380	ug/l	91
37) Ethyl Acetate	4.27	43	43836	21.263	ug/l #	92
38) Carbon Tetrachloride	4.15	117	147640m	22.530	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	117175	22.201	ug/l	93
40) Benzene	4.81	78	215487	20.162	ug/l	97
41) Methacrylonitrile	4.91	41	24569	22.476	ug/l	91
42) 1,2-Dichloroethane	5.11	62	117282	23.002	ug/l	97
43) Isopropyl Acetate	7.10	43	51370	20.619	ug/l #	93
44) Trichloroethene	5.66	130	75924	22.140	ug/l	94
45) 1,2-Dichloropropane	6.39	63	64912	22.807	ug/l	90
46) Dibromomethane	6.23	93	50465	22.053	ug/l	90
47) Bromodichloromethane	6.53	83	115599	20.397	ug/l	95
48) Methyl methacrylate	6.87	41	37075	20.731	ug/l #	86
49) 1,4-Dioxane	6.88	88	7590	492.217	ug/l #	78
51) 4-Methyl-2-Pentanone	8.39	43	204215	115.149	ug/l	99
52) Toluene	7.77	92	154780	21.322	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	95313	21.459	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	116088	22.364	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	49265	21.411	ug/l	86
56) Ethyl methacrylate	8.75	69	58018	22.190	ug/l #	90
57) 1,3-Dichloropropane	8.99	76	88555	22.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	28662	107.319	ug/l #	100
59) 2-Hexanone	9.62	43	160641	123.491	ug/l	100
60) Dibromochloromethane	8.86	129	73510	21.218	ug/l	96
61) 1,2-Dibromoethane	9.12	107	58039	23.052	ug/l	100
64) Tetrachloroethene	8.29	164	71317	21.684	ug/l	98
65) Chlorobenzene	9.93	112	181403	21.345	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	76234	20.544	ug/l	97
67) Ethyl Benzene	10.03	91	342171	21.175	ug/l	99
68) m/p-Xylenes	10.26	106	235222	42.344	ug/l	96
69) o-Xylene	10.82	106	129825	21.441	ug/l	95
70) Styrene	10.90	104	182123	21.146	ug/l	95
71) Bromoform	10.88	173	39865	20.178	ug/l	98
73) Isopropylbenzene	11.22	105	404315	23.312	ug/l	100
74) N-amyl acetate	11.46	43	84523	21.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	74046	23.417	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	53605	23.027	ug/l	96
77) Bromobenzene	11.59	156	87077	22.460	ug/l	98
78) n-propylbenzene	11.68	91	477548	22.712	ug/l	91
79) 2-Chlorotoluene	11.80	91	274510	22.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	338703	22.985	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24637m	23.875	ug/l	
82) 4-Chlorotoluene	11.98	91	286044	22.730	ug/l	100
83) tert-Butylbenzene	12.21	119	336447	23.149	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	333624	22.830	ug/l	100
85) sec-Butylbenzene	12.39	105	457372	22.798	ug/l	98
86) p-Isopropyltoluene	12.53	119	369864	22.567	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	168440	23.088	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	155792	21.656	ug/l	98
89) n-Butylbenzene	12.92	91	407671	23.506	ug/l	96
90) Hexachloroethane	12.99	117	90043	21.256	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	162917	23.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12858	20.975	ug/l	94

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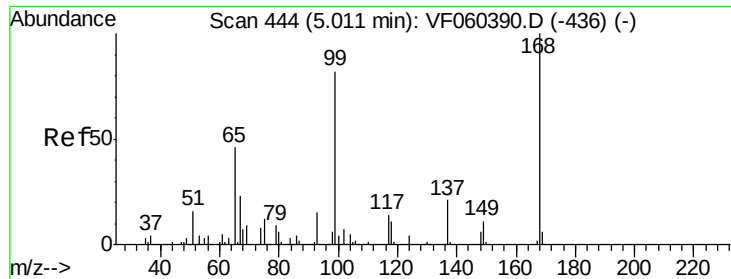
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	117545	22.498	ug/l	96
94) Hexachlorobutadiene	14.25	225	78443	21.512	ug/l	97
95) Naphthalene	14.52	128	204071	21.846	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	109402	22.338	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.02 min

Lab File: VF060439.D

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Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion:168 Resp: 278749

Ion Ratio Lower Upper

168 100

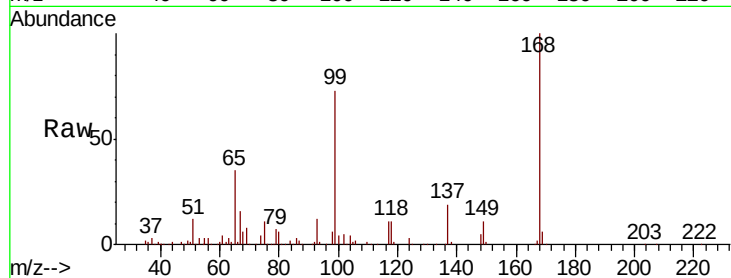
99 73.4 65.3 97.9

Manual Integrations

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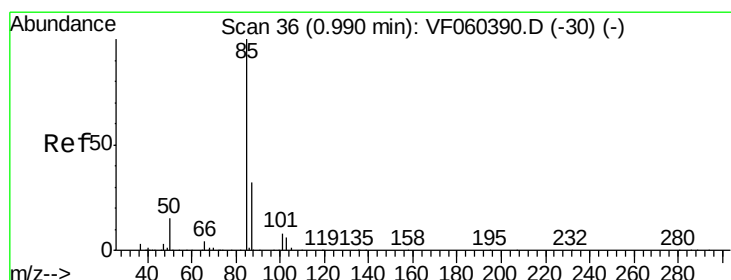
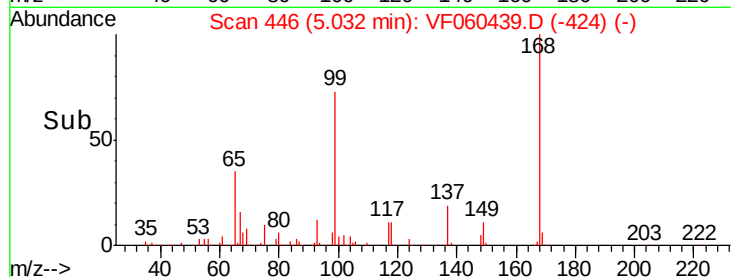
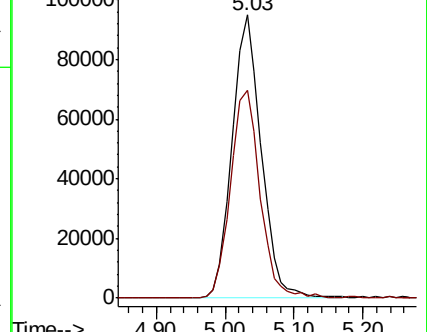
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.219 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060439.D

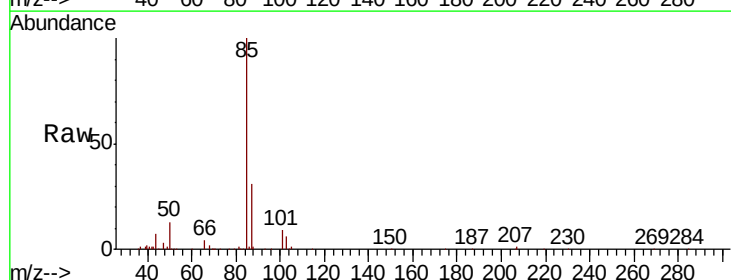
Acq: 4 Oct 2018 16:48

Tgt Ion: 85 Resp: 136005

Ion Ratio Lower Upper

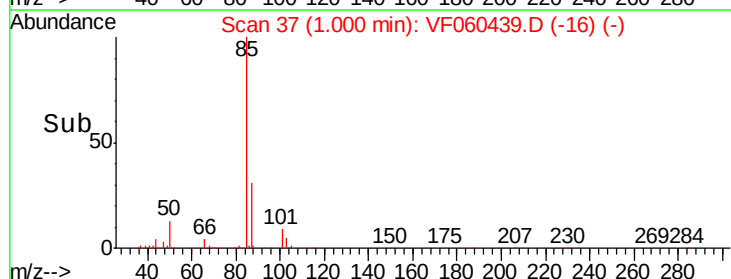
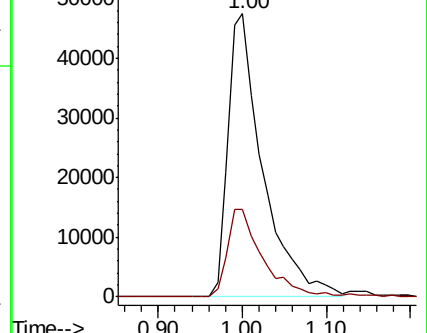
85 100

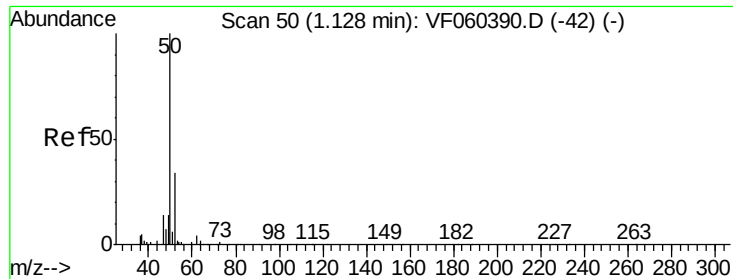
87 30.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 19.738 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 50 Resp: 74713

Ion Ratio Lower Upper

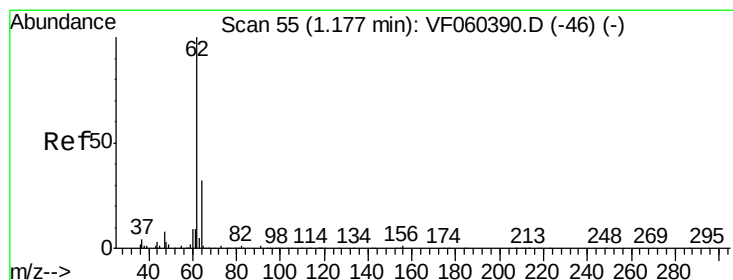
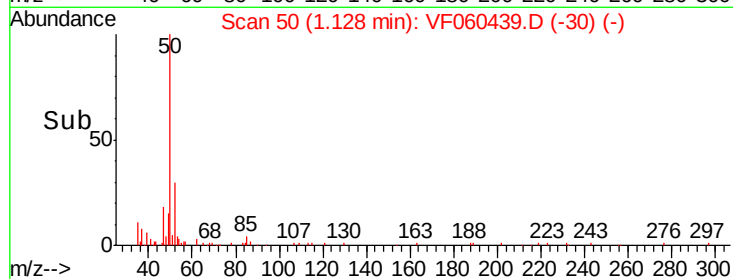
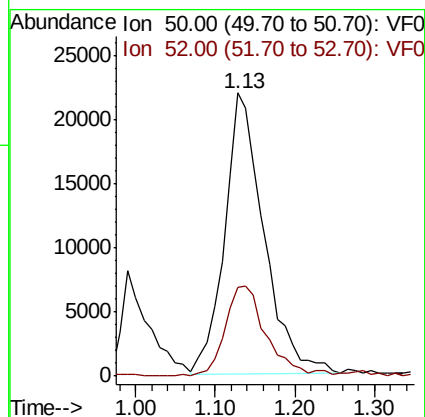
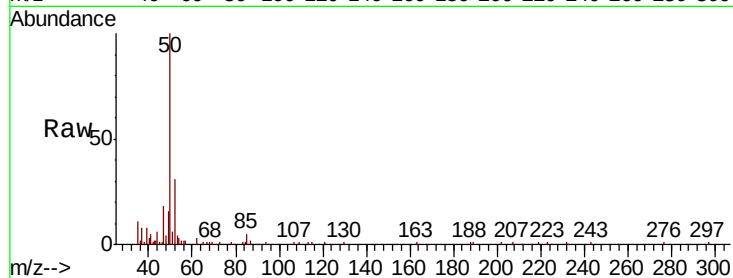
50 100

52 31.3 26.9 40.3

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#4

Vinyl Chloride

Concen: 19.466 ug/l

RT: 1.18 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060439.D

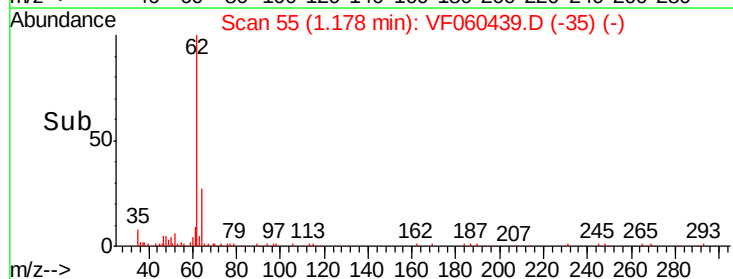
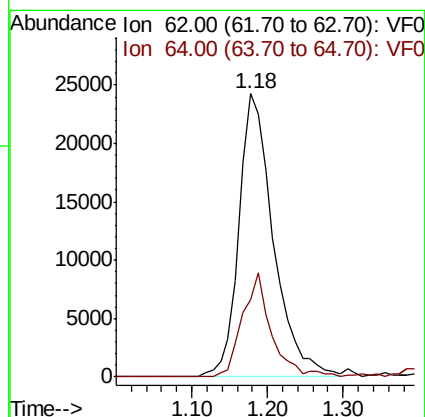
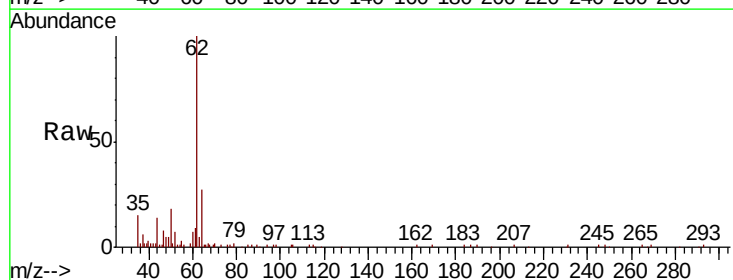
Acq: 4 Oct 2018 16:48

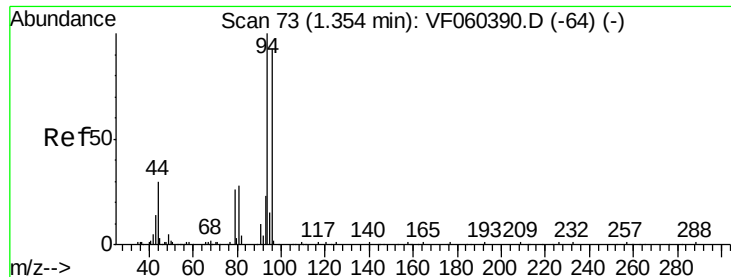
Tgt Ion: 62 Resp: 76650

Ion Ratio Lower Upper

62 100

64 27.5 25.8 38.6





#5

Bromomethane

Concen: 19.592 ug/l

RT: 1.36 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 94 Resp: 59754

Ion Ratio Lower Upper

94 100

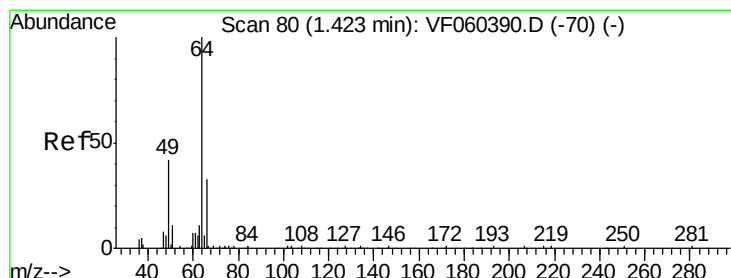
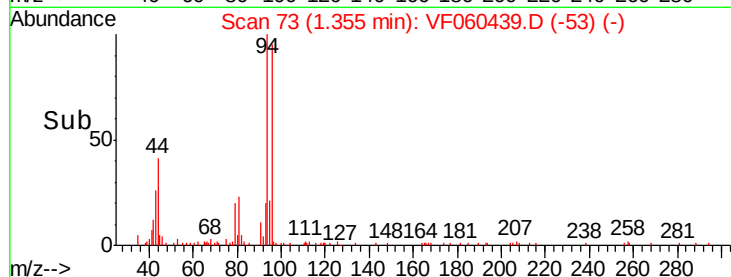
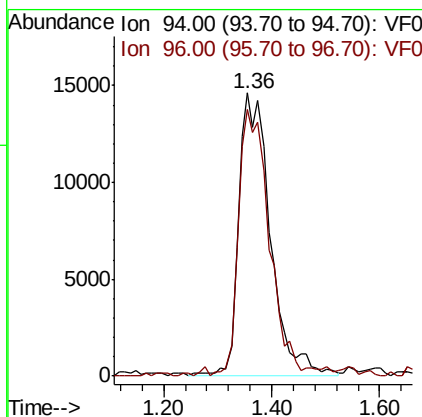
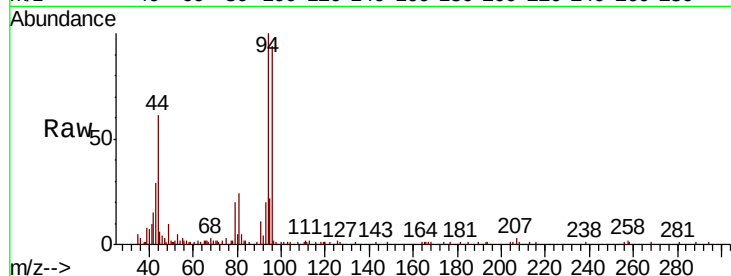
96 96.5 74.3 111.5

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#6

Chloroethane

Concen: 18.957 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060439.D

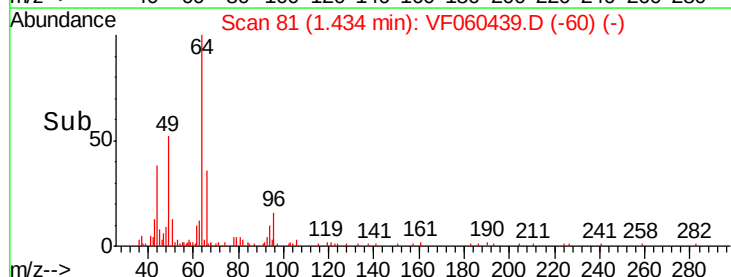
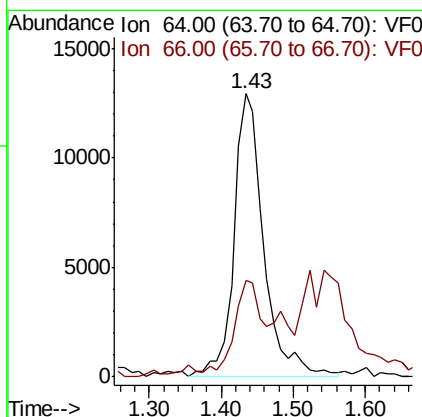
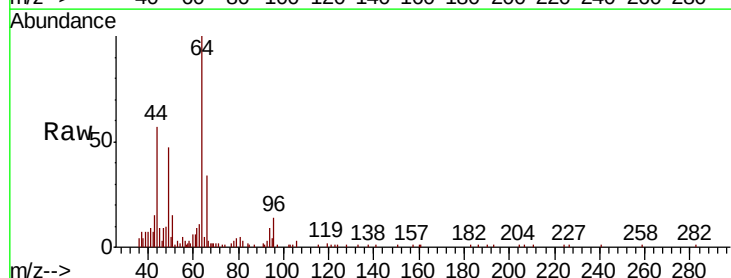
Acq: 4 Oct 2018 16:48

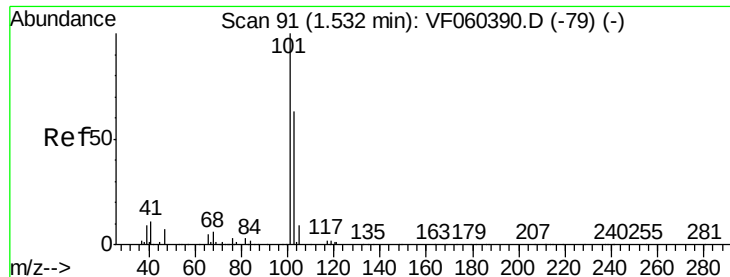
Tgt Ion: 64 Resp: 37250

Ion Ratio Lower Upper

64 100

66 34.1 26.3 39.5





#7

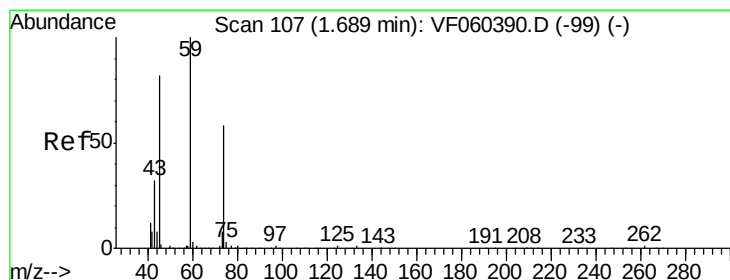
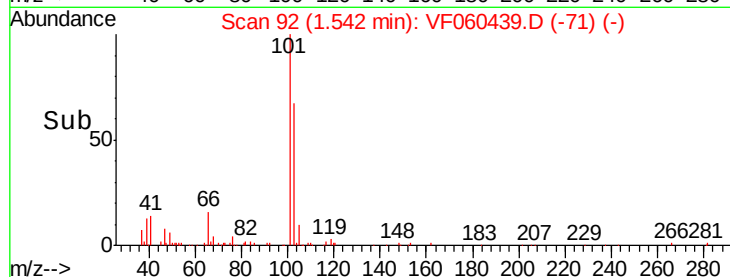
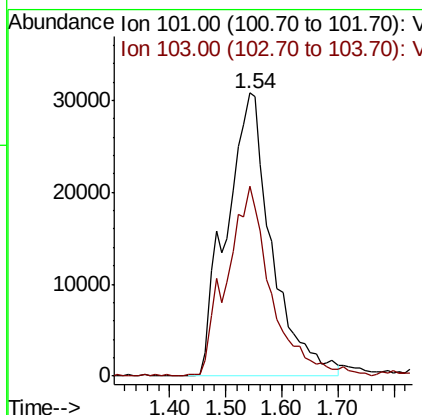
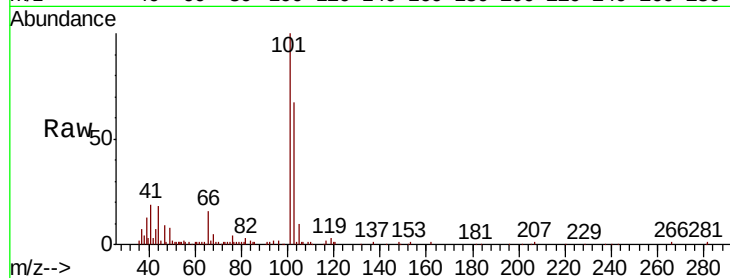
Trichlorofluoromethane
Concen: 18.959 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
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ClientSampleId :
VF1004SBS01

Tot Ion:101 Resp: 173200
Ion Ratio Lower Upper
101 100
103 67.0 51.0 76.4

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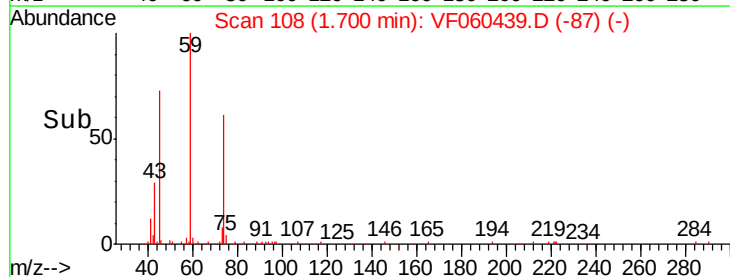
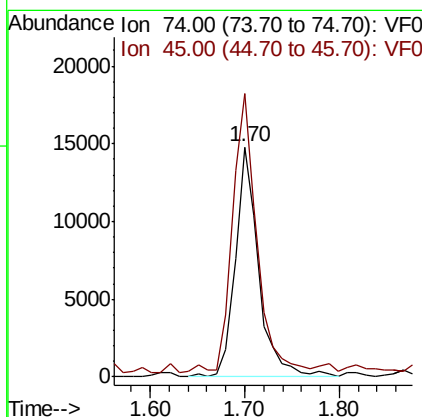
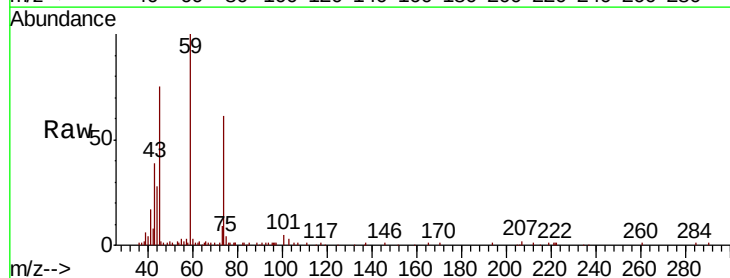
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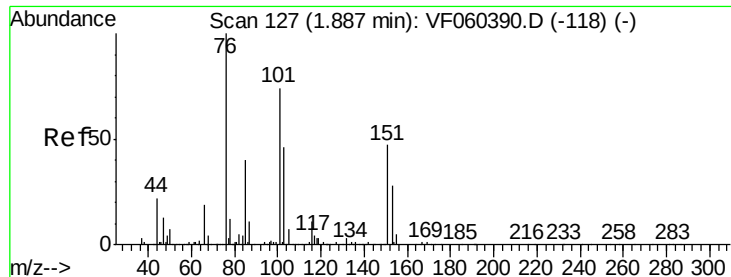


#8

Diethyl Ether
Concen: 20.157 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion: 74 Resp: 25237
Ion Ratio Lower Upper
74 100
45 122.9 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.579 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

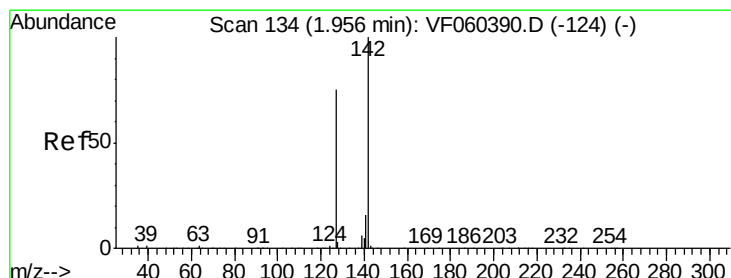
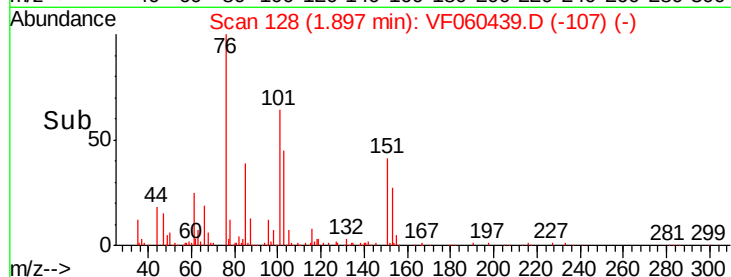
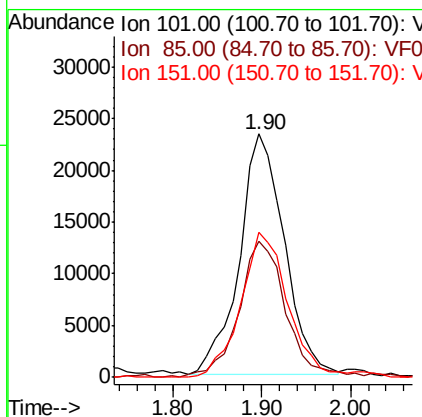
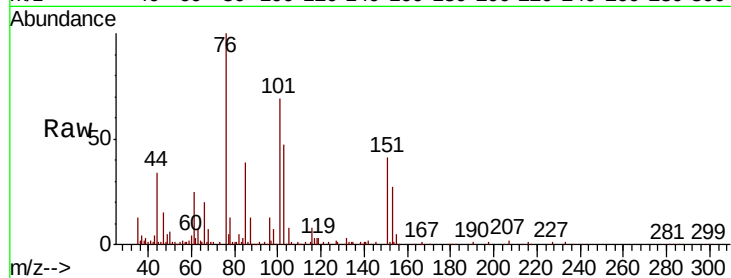
ClientSampleId :

VF1004SBS01

Tot Ion:	101	Resp:	81303
Ion Ratio	Lower	Upper	
101	100		
85	55.9	42.5	63.7
151	59.7	49.8	74.8

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#10

Methyl Iodide

Concen: 18.926 ug/l m

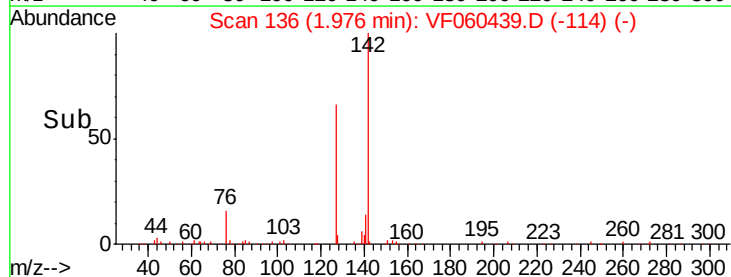
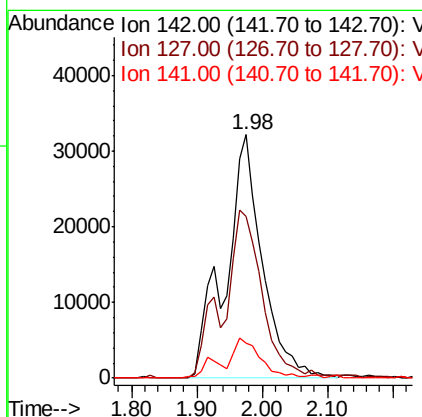
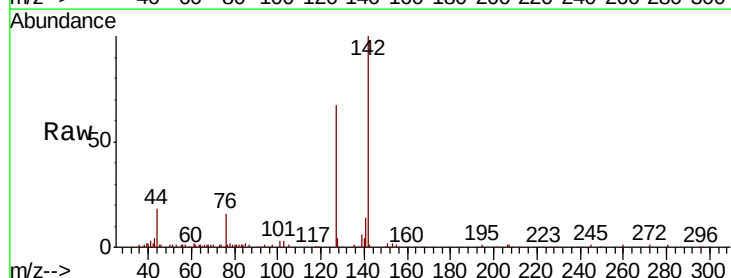
RT: 1.98 min Scan# 136

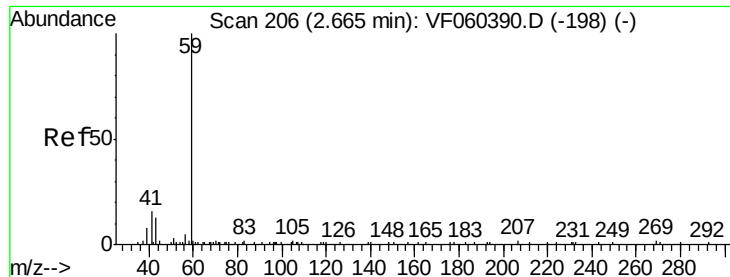
Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	142	Resp:	126299
Ion Ratio	Lower	Upper	
142	100		
127	66.6	60.2	90.2
141	14.2	13.1	19.7





#11

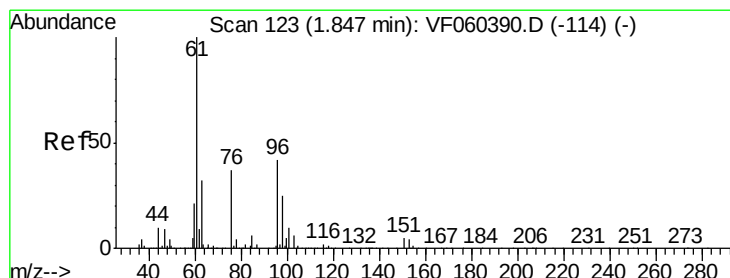
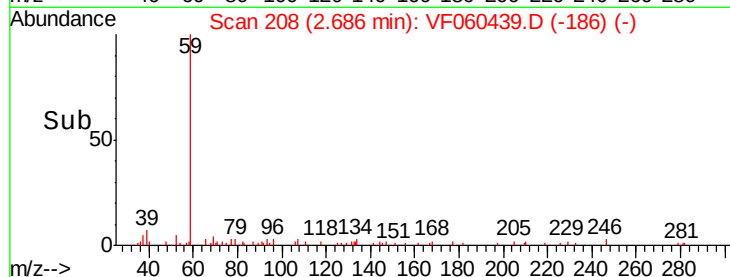
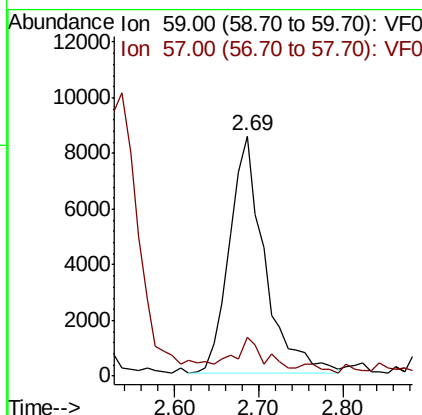
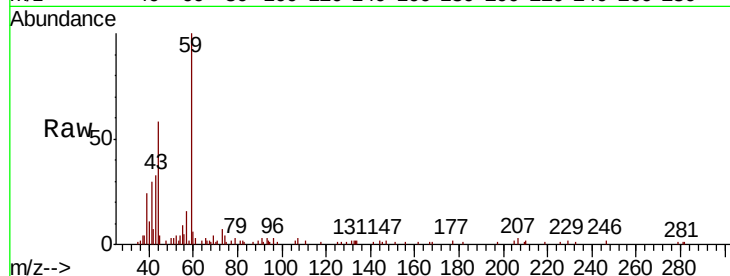
Tert butyl alcohol
Concen: 94.299 ug/l
RT: 2.69 min Scan# 208
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	59	Resp	24879
Ion Ratio	100	Lower	Upper
57	16.0	6.5	9.7#

Manual Integrations
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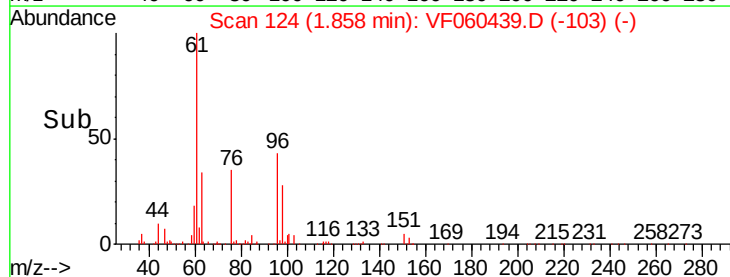
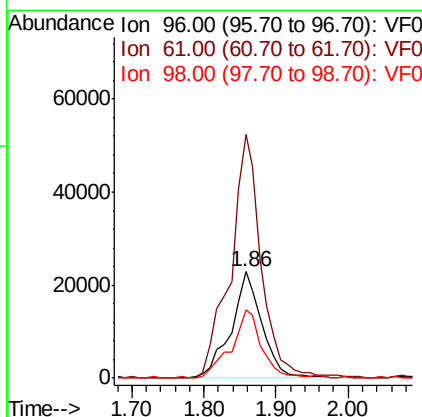
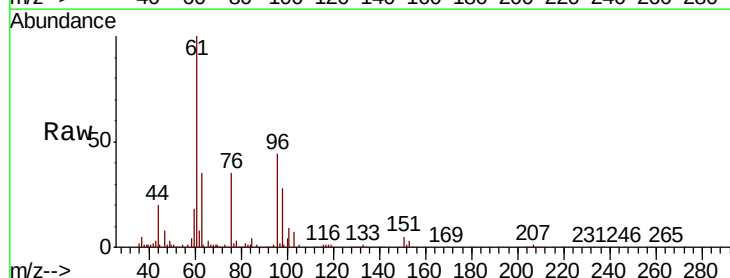
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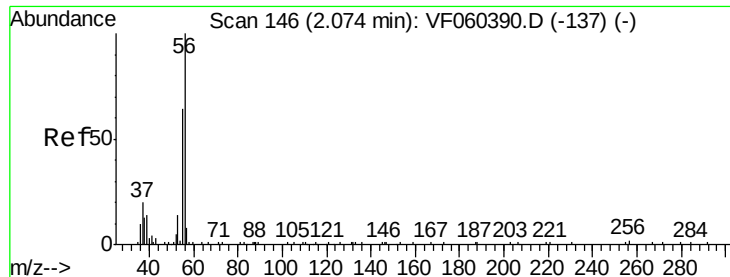


#12

1,1-Dichloroethene
Concen: 20.310 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	96	Resp	68671
Ion Ratio	100	Lower	Upper
61	228.5	189.4	284.0
98	64.3	47.8	71.6





#13

Acrolein

Concen: 92.070 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 56 Resp: 19535

Ion Ratio Lower Upper

56 100

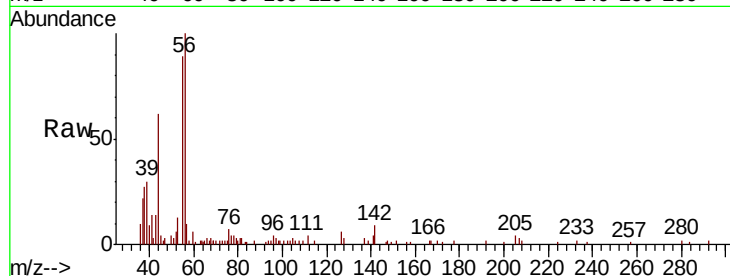
55 89.1 53.9 80.9#

Manual Integrations

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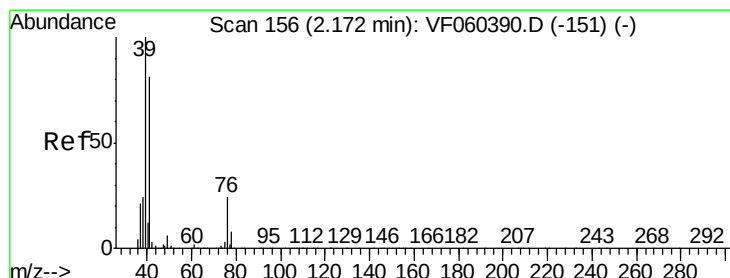
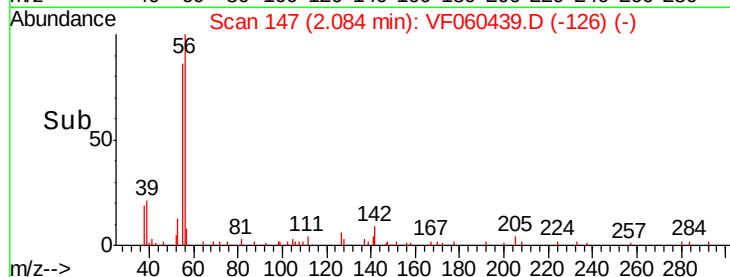
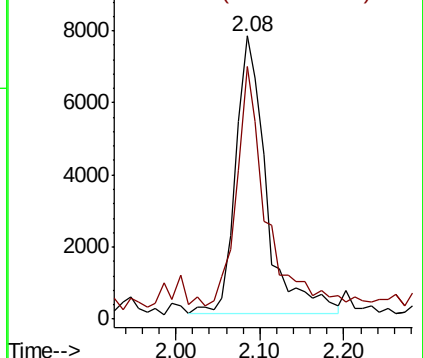
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.498 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

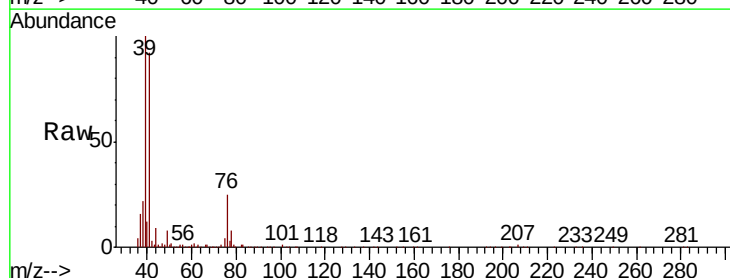
Tgt Ion: 41 Resp: 105635

Ion Ratio Lower Upper

41 100

39 109.3 98.3 147.5

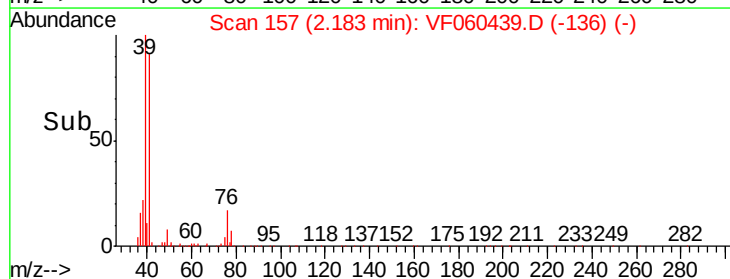
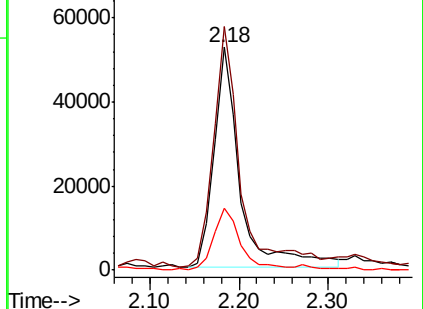
76 27.6 23.9 35.9

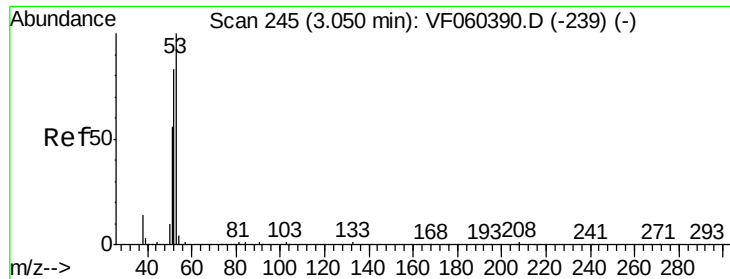


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 114.709 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

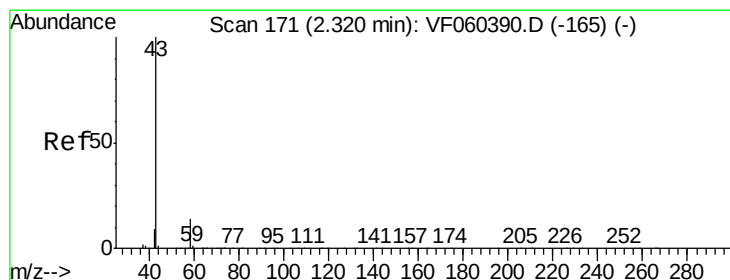
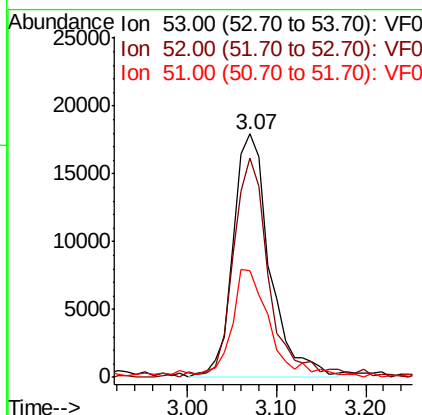
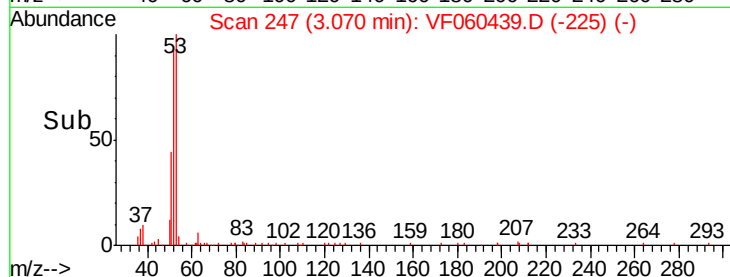
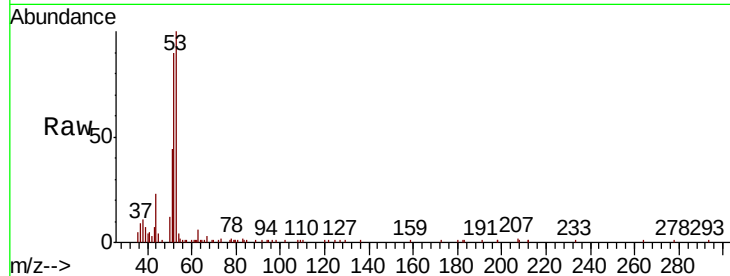
ClientSampleId :

VF1004SBS01

Tot Ion:	53	Resp:	51857
Ion Ratio	Lower	Upper	
53	100		
52	90.2	66.0	99.0
51	43.7	45.6	68.4#

Manual Integrations
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#16

Acetone

Concen: 129.464 ug/l

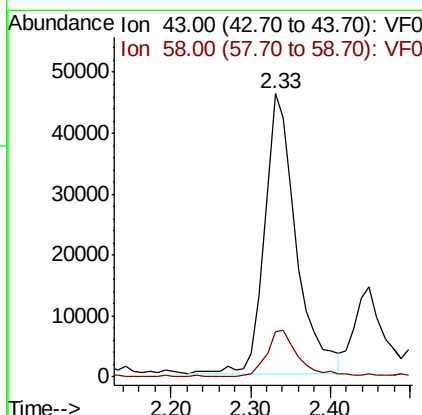
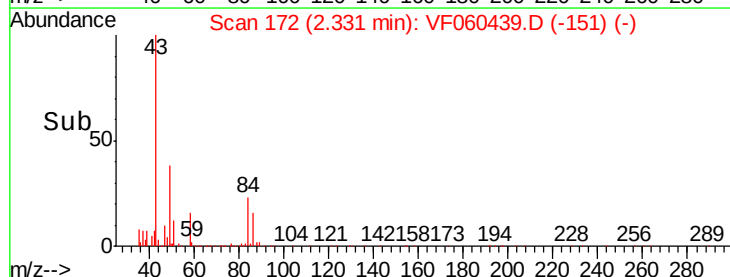
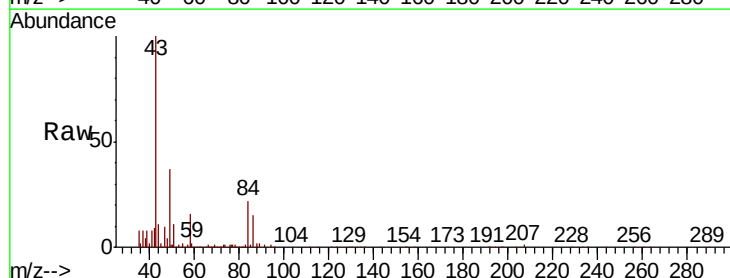
RT: 2.33 min Scan# 172

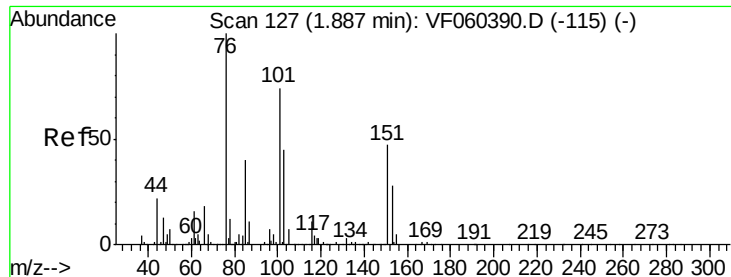
Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	43	Resp:	126582
Ion Ratio	Lower	Upper	
43	100		
58	16.2	11.2	16.8





#17

Carbon Disulfide

Concen: 18.966 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 76 Resp: 194182

Ion Ratio Lower Upper

76 100

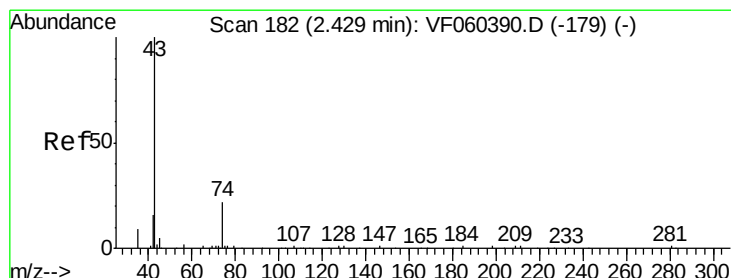
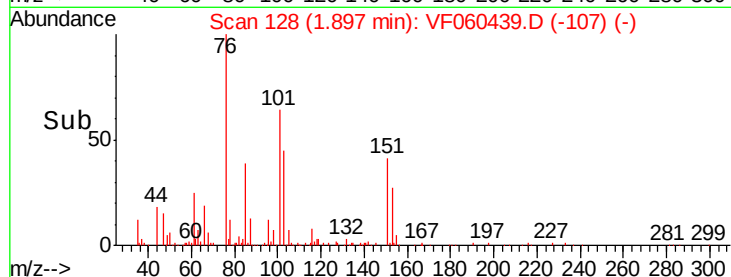
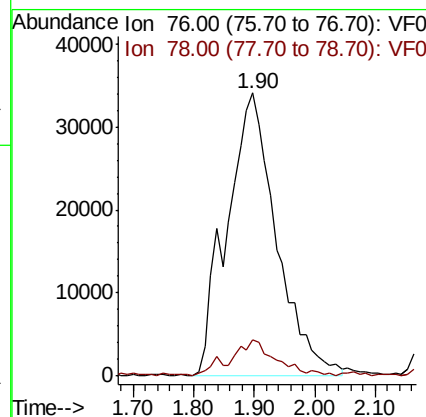
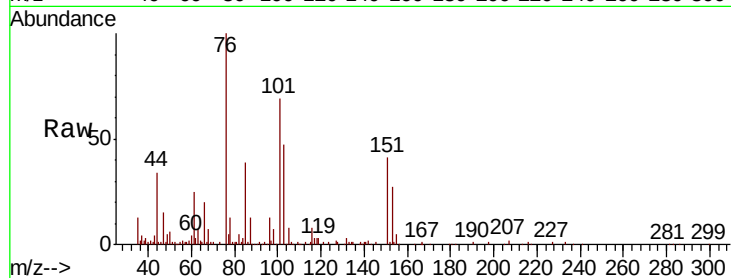
78 12.7 10.1 15.1

Manual Integrations

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#18

Methyl Acetate

Concen: 18.265 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF060439.D

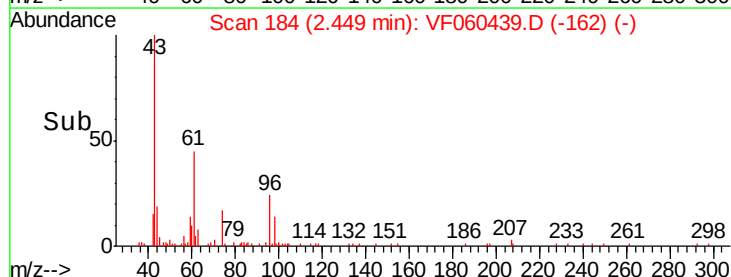
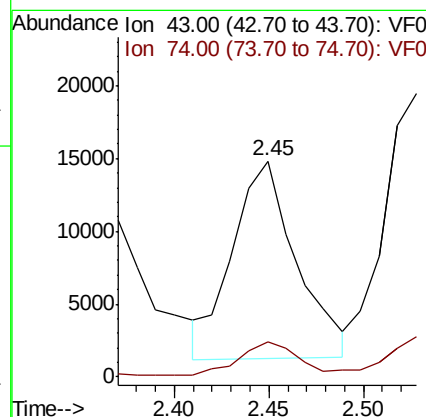
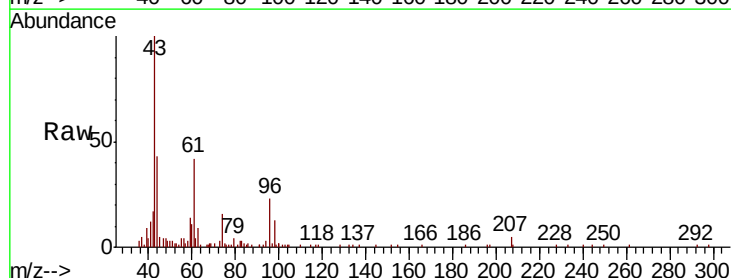
Acq: 4 Oct 2018 16:48

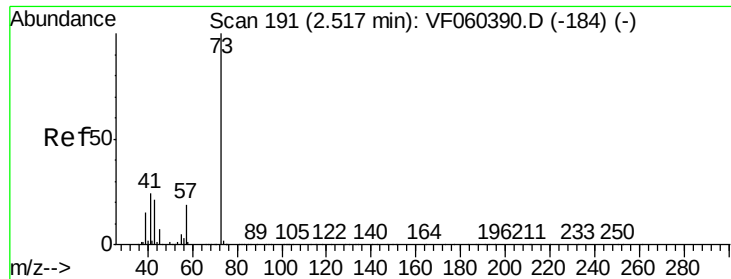
Tgt Ion: 43 Resp: 31792

Ion Ratio Lower Upper

43 100

74 16.1 15.8 23.8





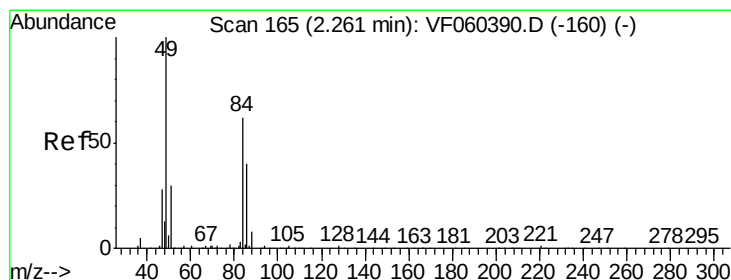
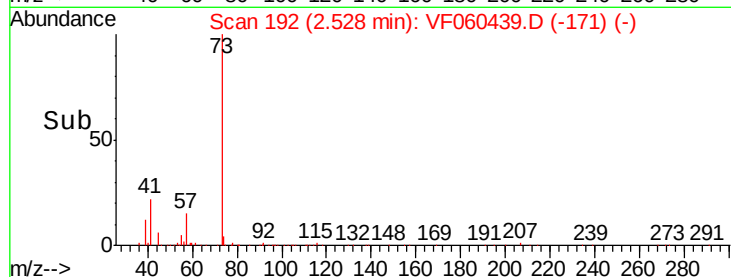
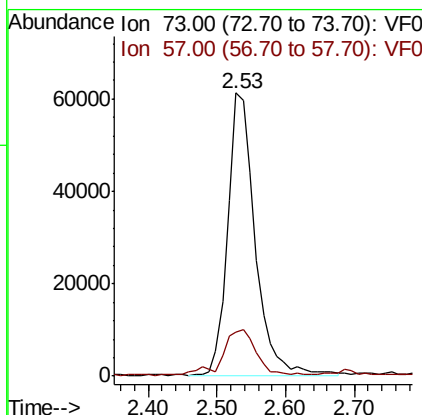
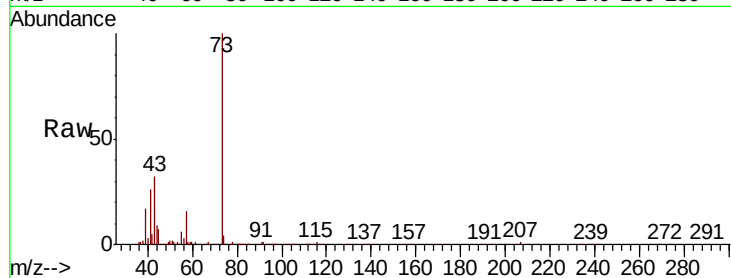
#19
Methyl tert-butyl Ether
Concen: 20.323 ug/l
RT: 2.53 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.6	15.9	23.9#

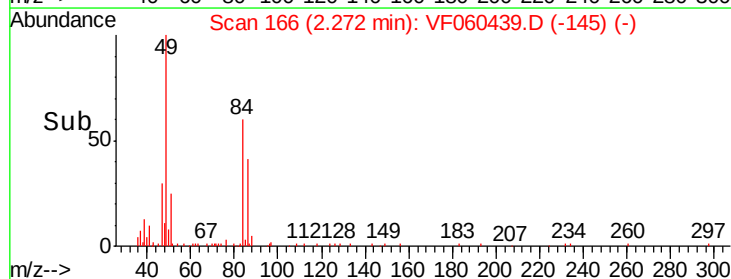
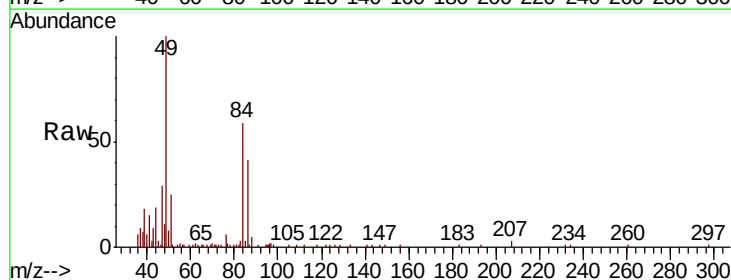
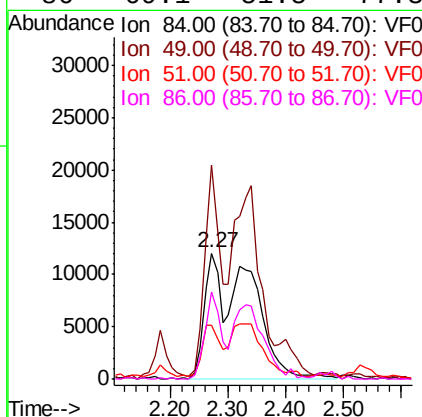
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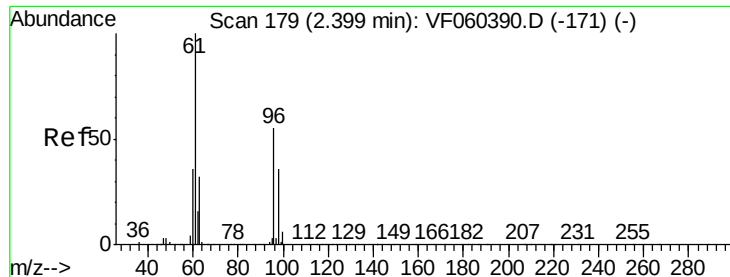
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#20
Methylene Chloride
Concen: 17.149 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	169.8	130.2	195.2
51	42.7	41.0	61.6
86	69.1	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 19.796 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

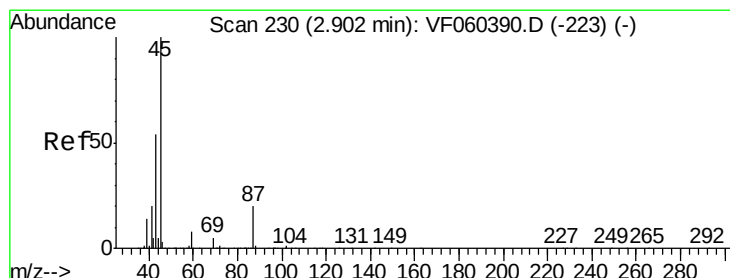
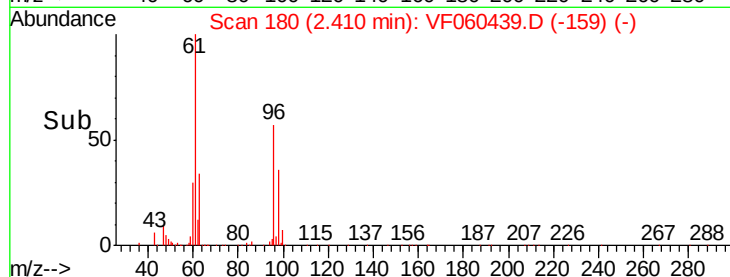
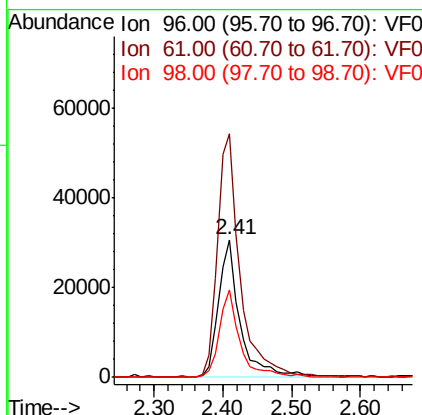
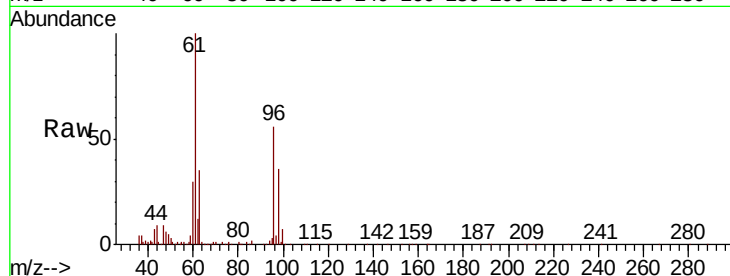
ClientSampleId :

VF1004SBS01

Tot Ion:	96	Resp:	66849
Ion	Ratio	Lower	Upper
96	100		
61	177.1	146.2	219.2
98	63.4	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.510 ug/l

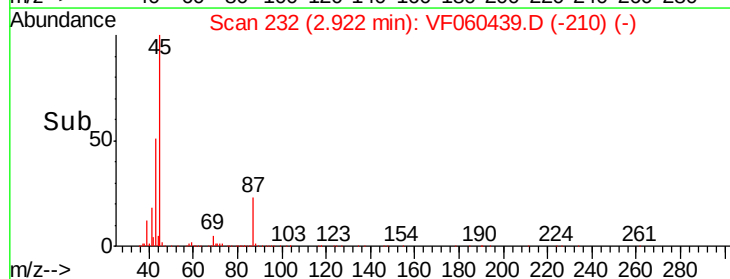
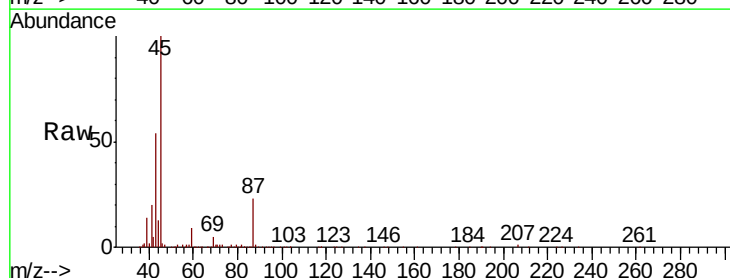
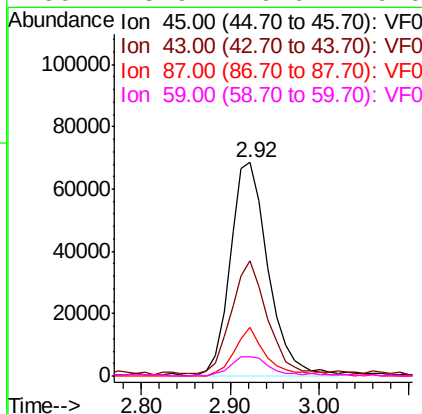
RT: 2.92 min Scan# 232

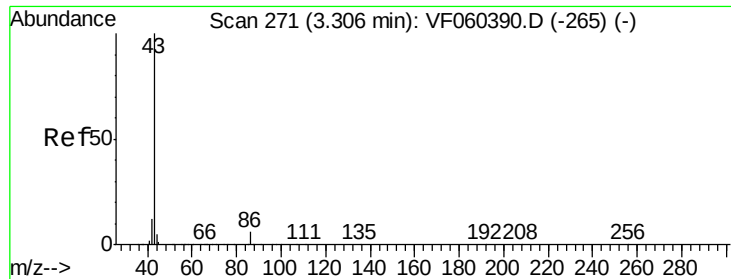
Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	45	Resp:	201692
Ion	Ratio	Lower	Upper
45	100		
43	53.7	43.8	65.8
87	22.9	16.3	24.5
59	8.9	6.6	10.0





#23

Vinyl Acetate

Concen: 113.042 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 43 Resp: 441588

Ion Ratio Lower Upper

43 100

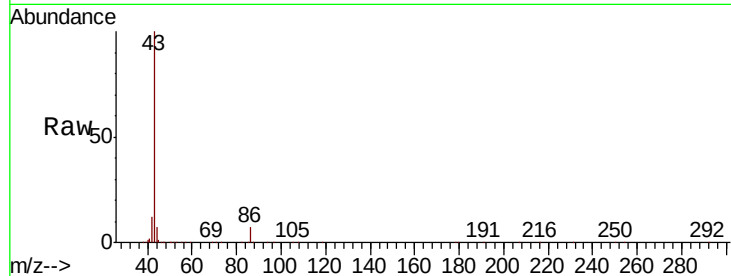
86 7.0 5.1 7.7

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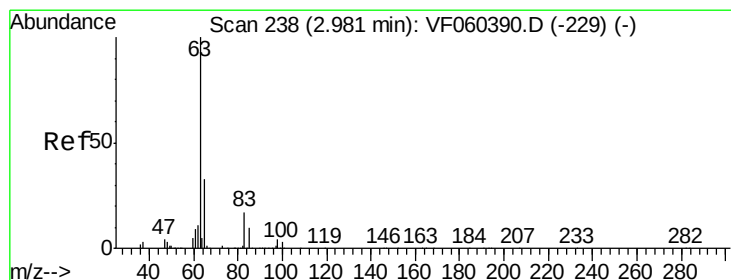
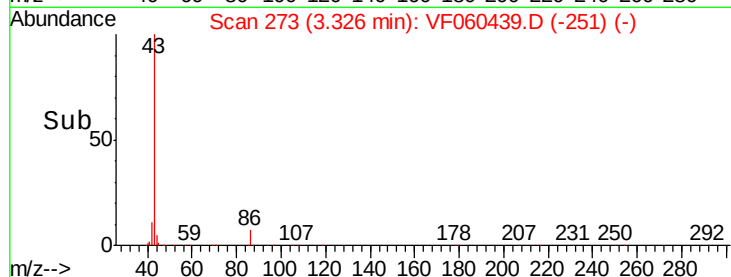
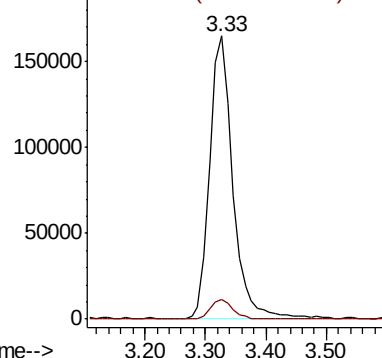
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 18.863 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

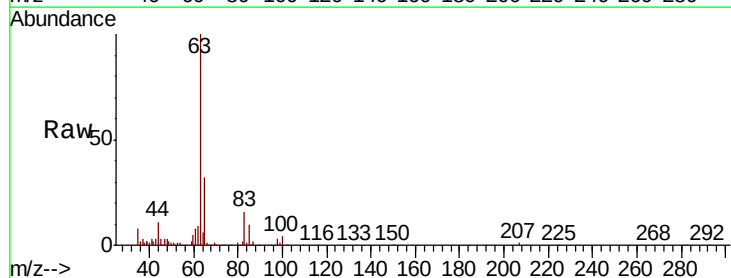
Tgt Ion: 63 Resp: 125444

Ion Ratio Lower Upper

63 100

98 3.4 2.0 5.8

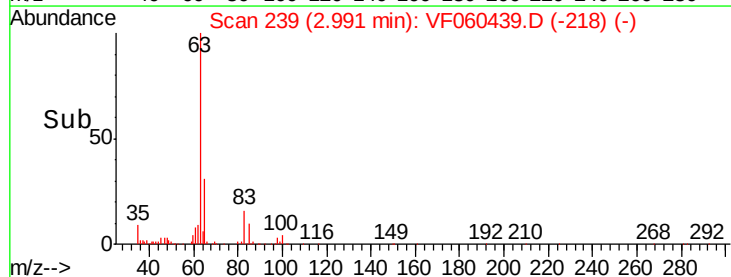
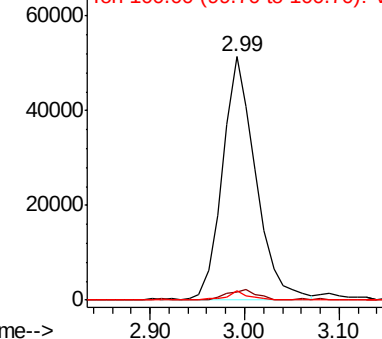
100 4.0 1.4 4.2

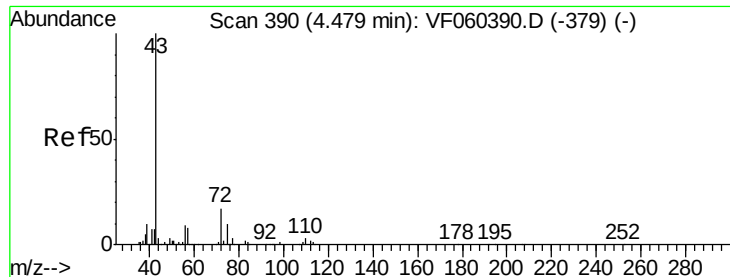


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





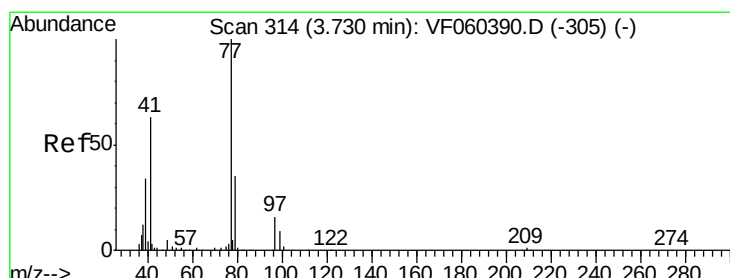
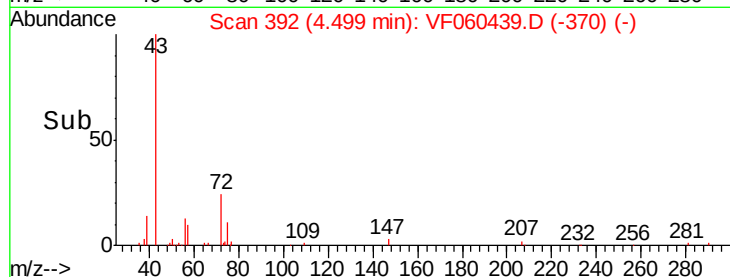
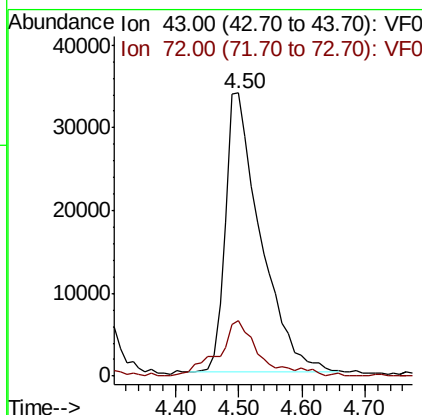
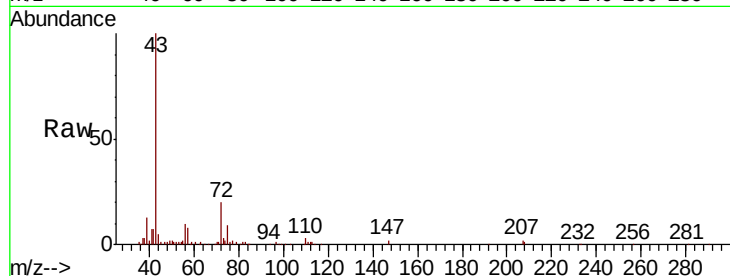
#25
 2-Butanone
 Concen: 115.411 ug/l
 RT: 4.50 min Scan# 392
 Delta R.T. 0.02 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	19.7	14.1	21.1

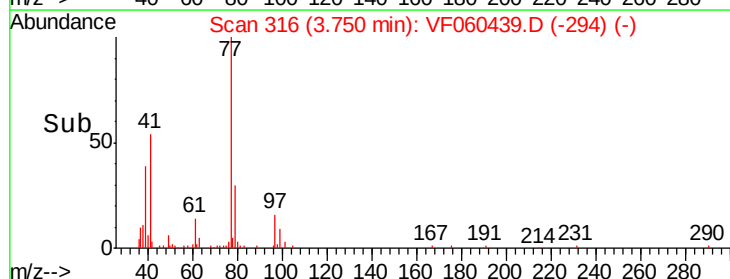
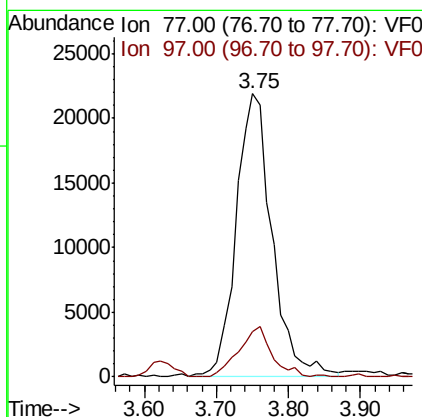
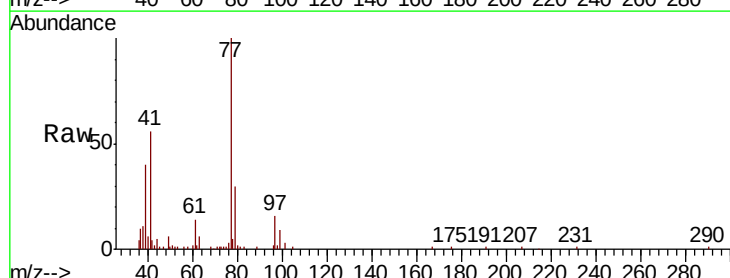
Manual Integrations
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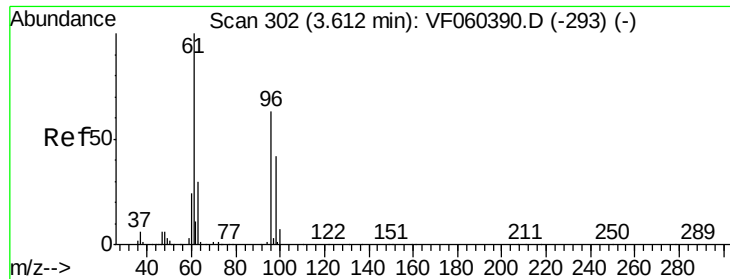
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#26
 2,2-Dichloropropane
 Concen: 20.190 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. 0.02 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
77	100		
97	16.2	8.3	25.1





#27

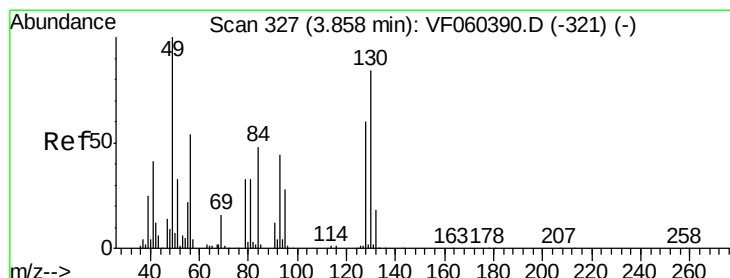
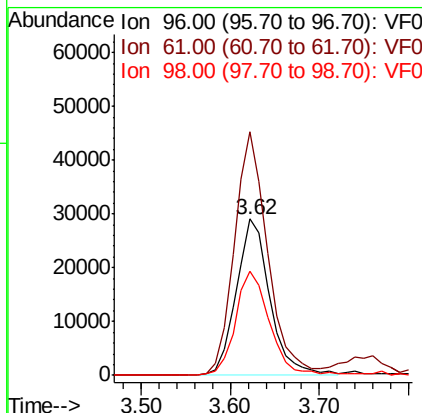
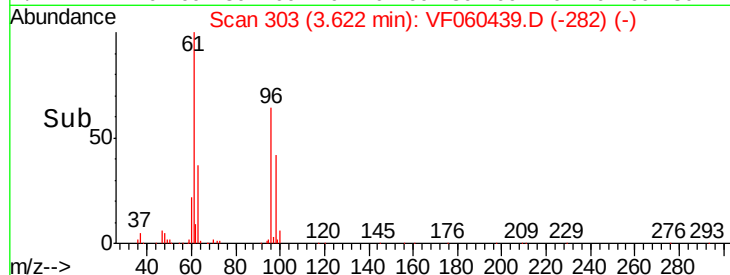
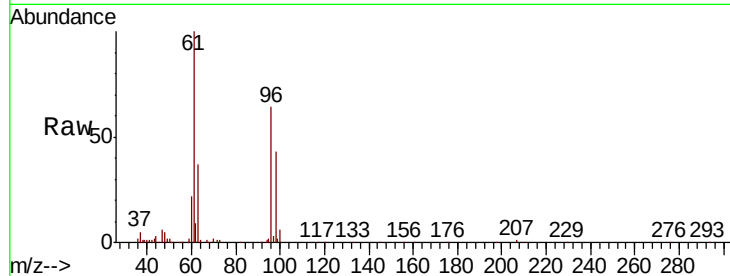
cis-1,2-Dichloroethene
Concen: 20.248 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	318.2
98	66.3	0.0	134.0

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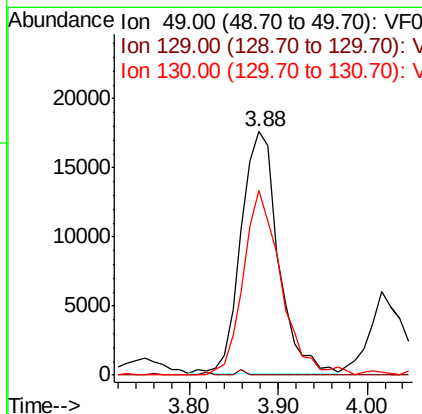
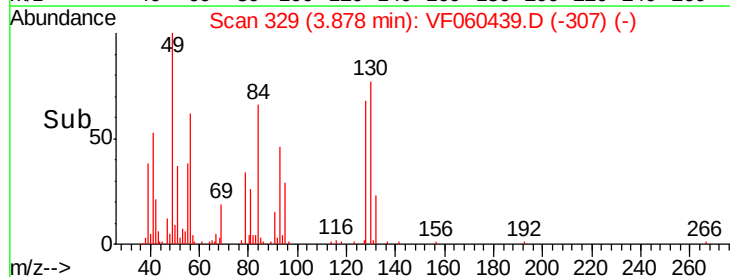
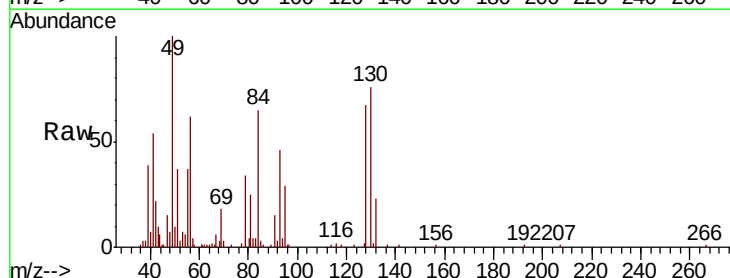
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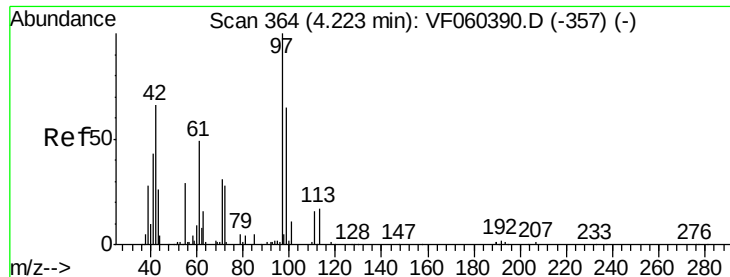


#28

Bromochloromethane
Concen: 20.485 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	76.0	67.3	100.9





#29

Tetrahydrofuran

Concen: 120.922 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

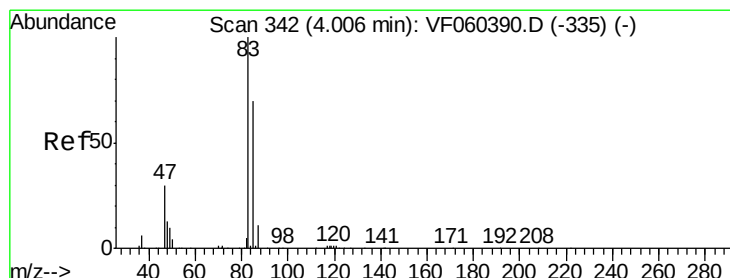
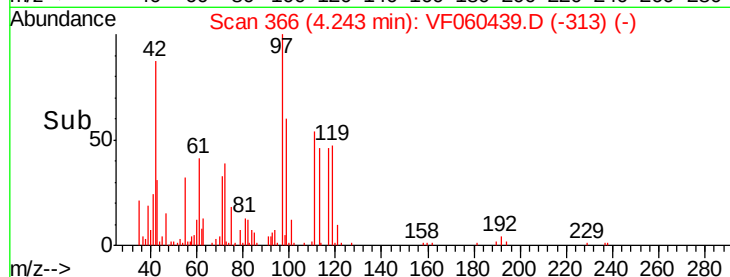
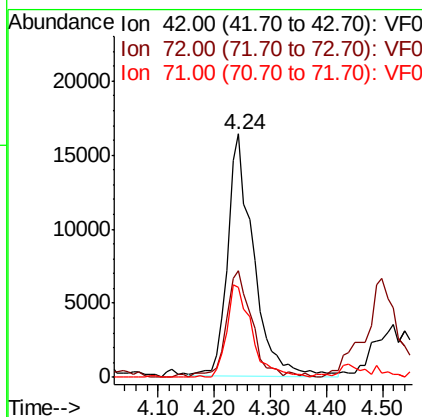
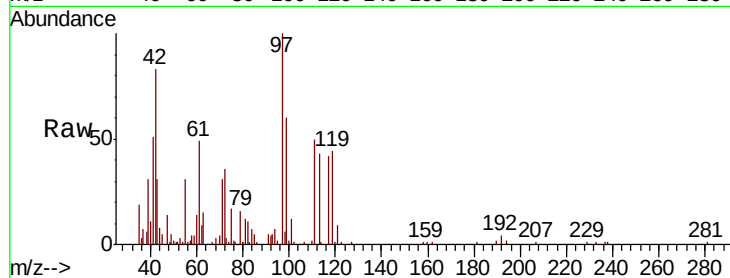
ClientSampleId :

VF1004SBS01

Tot Ion:	42	Resp:	52453
Ion	Ratio	Lower	Upper
42	100		
72	44.1	33.6	50.4
71	36.9	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 19.768 ug/l

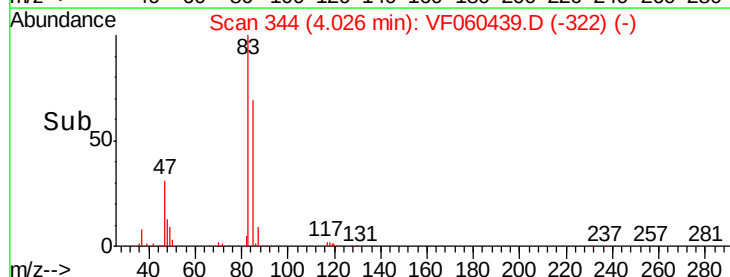
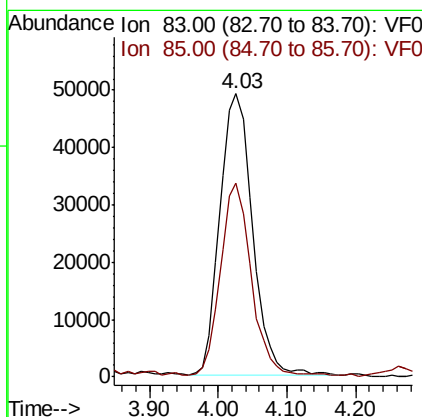
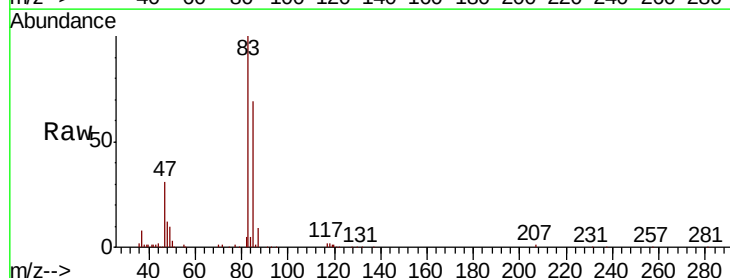
RT: 4.03 min Scan# 344

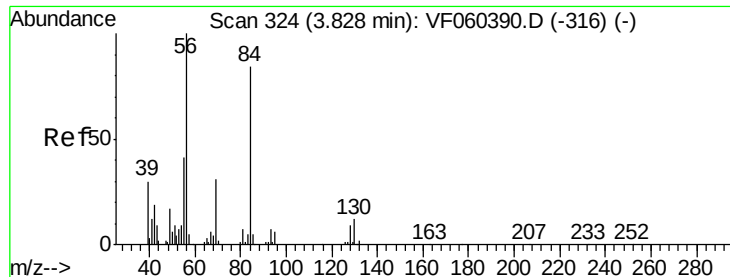
Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	83	Resp:	162211
Ion	Ratio	Lower	Upper
83	100		
85	68.5	55.9	83.9





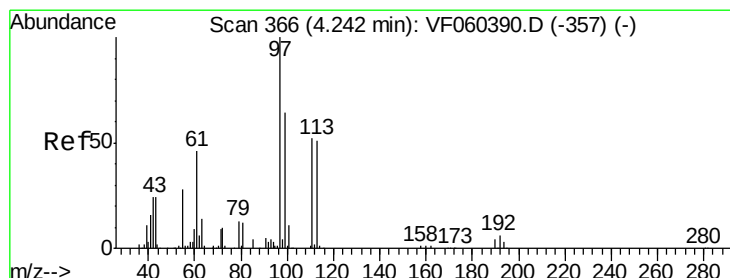
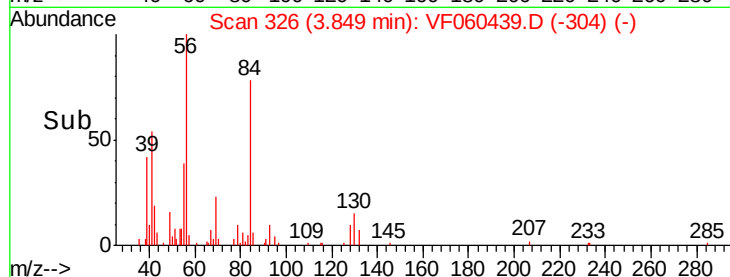
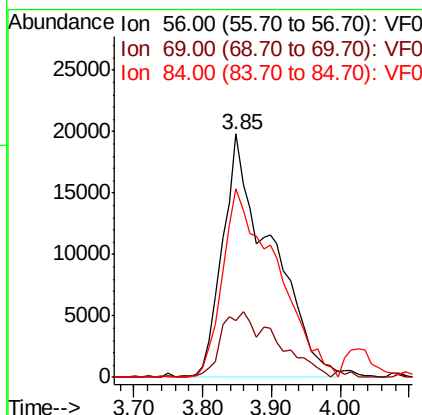
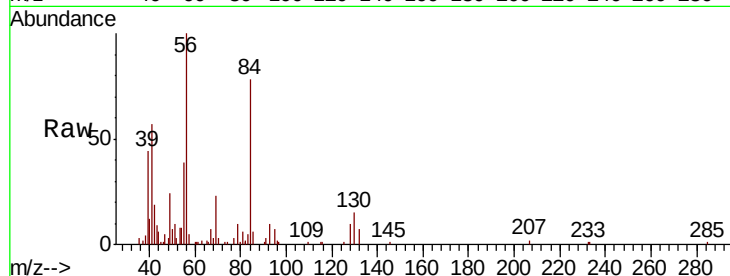
#31
Cyclohexane
Concen: 20.155 ug/l
RT: 3.85 min Scan# 326
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	56	Resp	96245
Ion Ratio	100	Lower	Upper
56	100		
69	23.2	25.5	38.3#
84	77.5	67.4	101.0

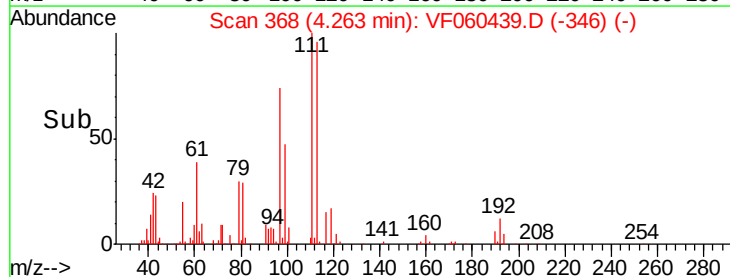
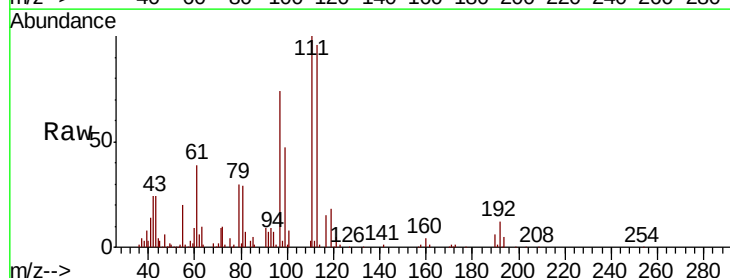
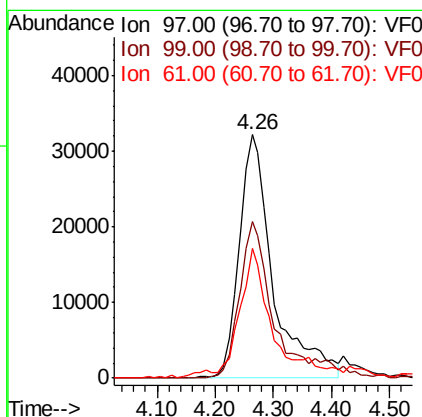
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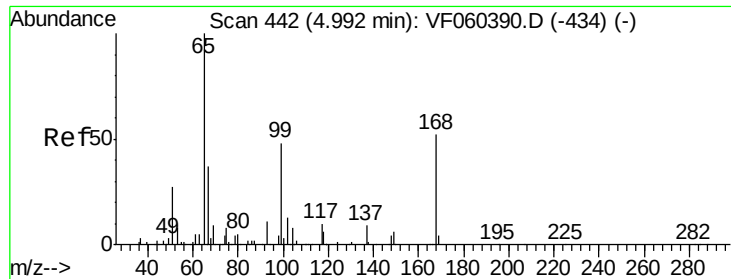
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#32
1,1,1-Trichloroethane
Concen: 19.233 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	97	Resp	131329
Ion Ratio	100	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	53.0	37.5	56.3





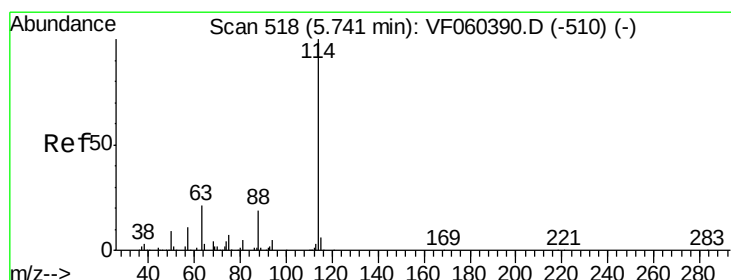
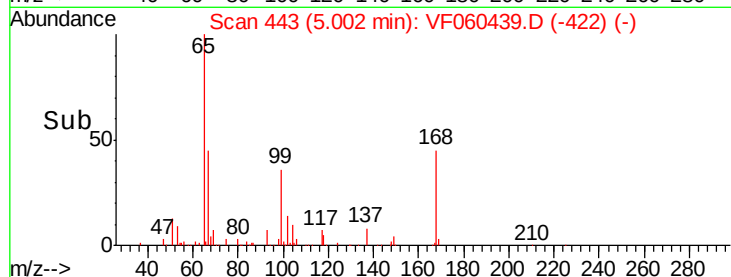
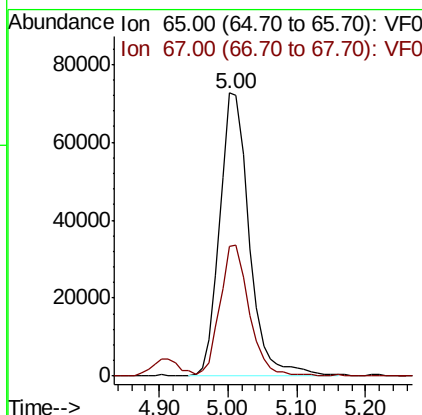
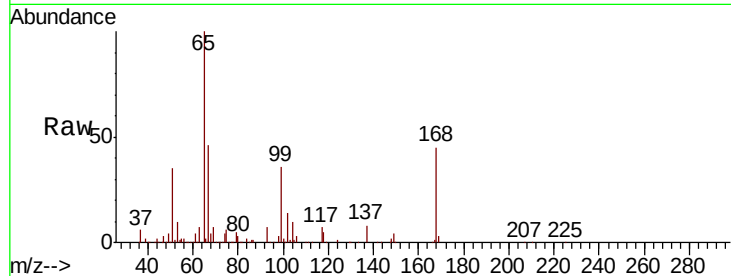
#33
 1,2-Dichloroethane-d4
 Concen: 49.845 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	217412		
67	45.8	0.0	89.4	

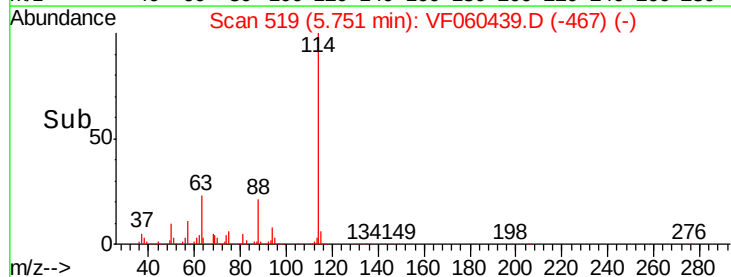
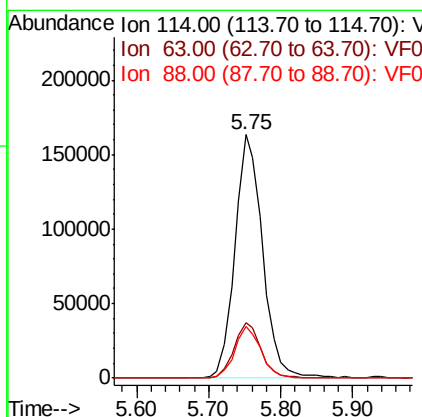
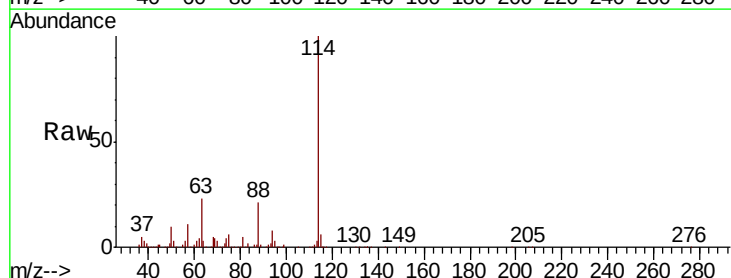
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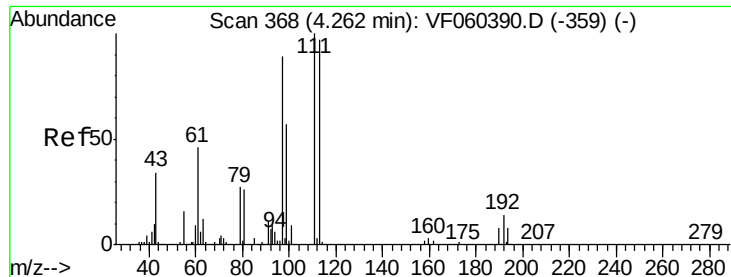
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	436655		
63	22.8	0.0	42.2	
88	21.2	0.0	38.8	





#35

Dibromofluoromethane

Concen: 48.413 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

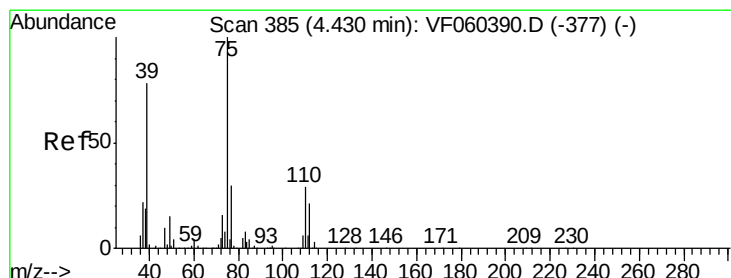
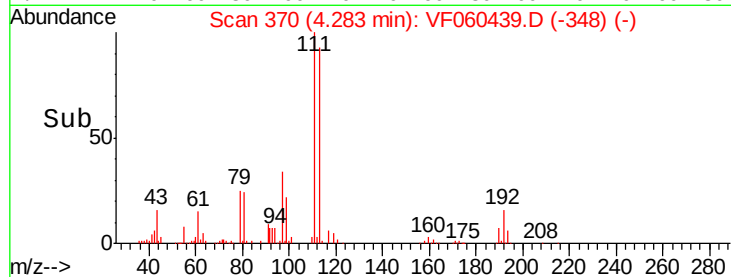
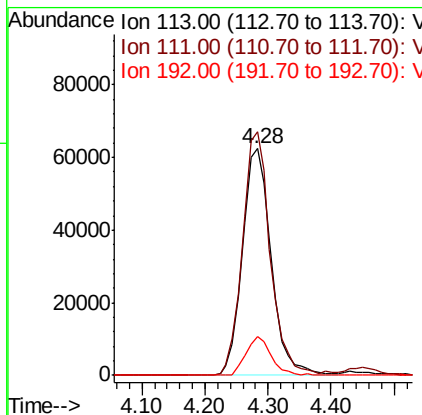
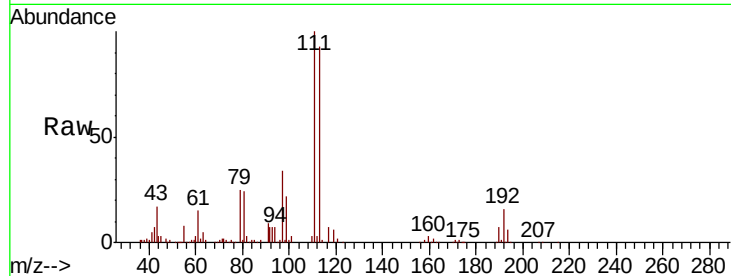
ClientSampleId :

VF1004SBS01

Tot Ion:	113	Resp:	198593
Ion	Ratio	Lower	Upper
113	100		
111	107.3	82.3	123.5
192	17.2	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.380 ug/l

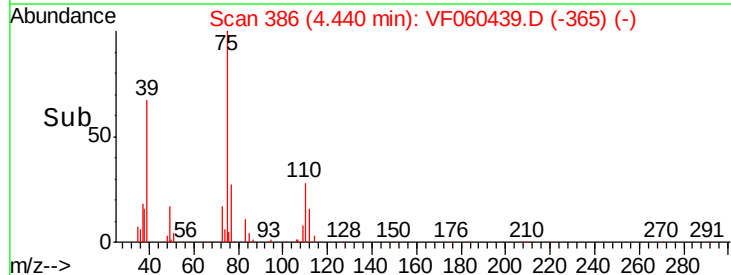
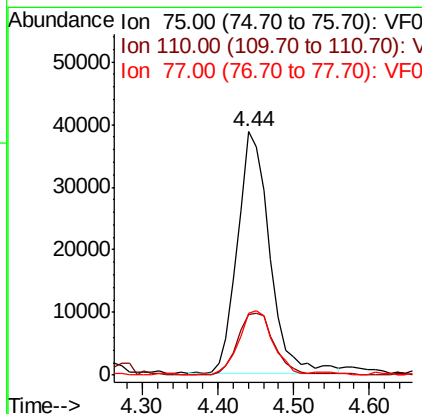
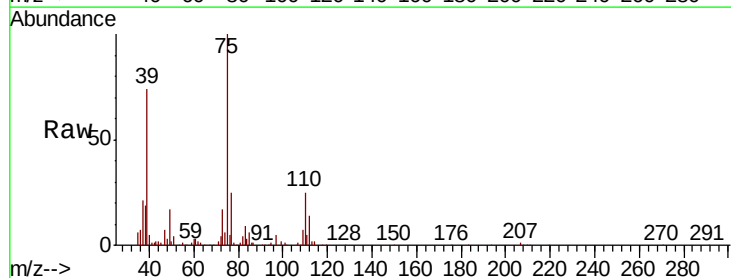
RT: 4.44 min Scan# 386

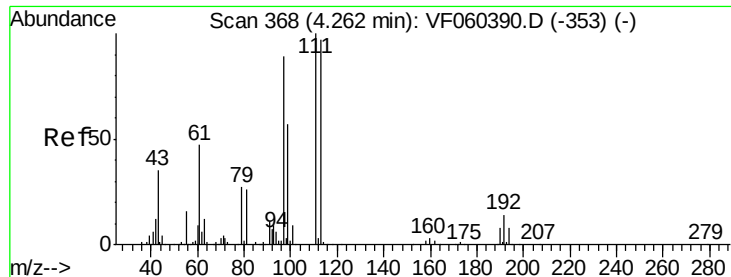
Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	75	Resp:	115101
Ion	Ratio	Lower	Upper
75	100		
110	24.9	14.5	43.6
77	25.3	24.3	36.5





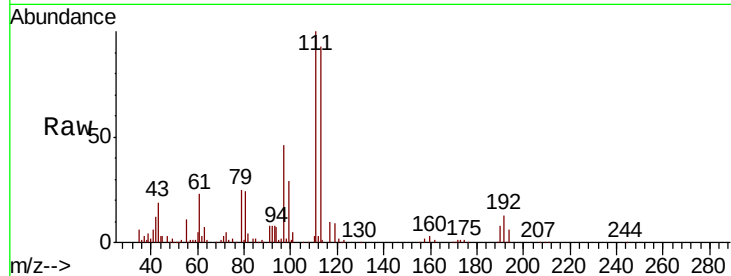
#37
Ethyl Acetate
Concen: 21.263 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43836	100	122.4	7.7			
		105.1	8.0			
		157.7	12.0			

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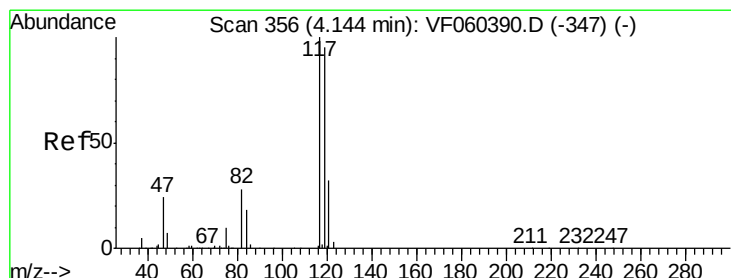
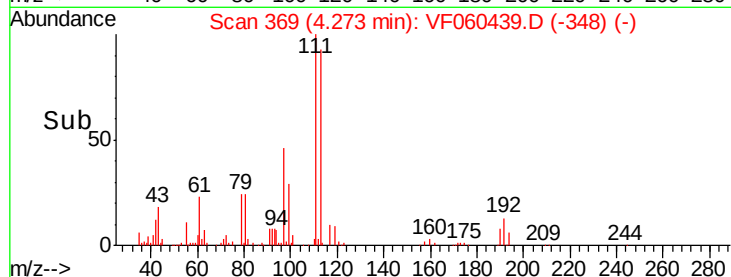
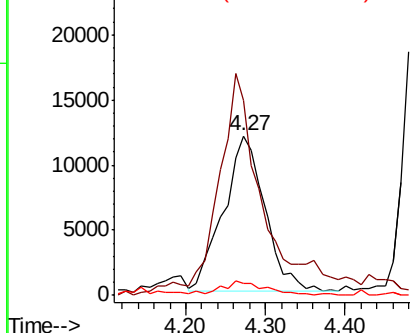


Abundance

Ion 43.00 (42.70 to 43.70): VF0

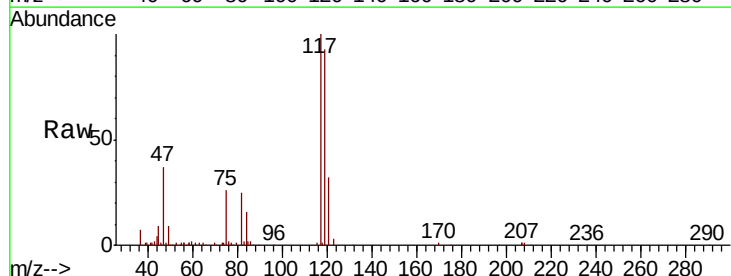
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 22.530 ug/l m
RT: 4.15 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	117	119	121	Ratio	Lower	Upper
147640	100	93.4	32.2			
		75.5	25.4			
		113.3	38.0			

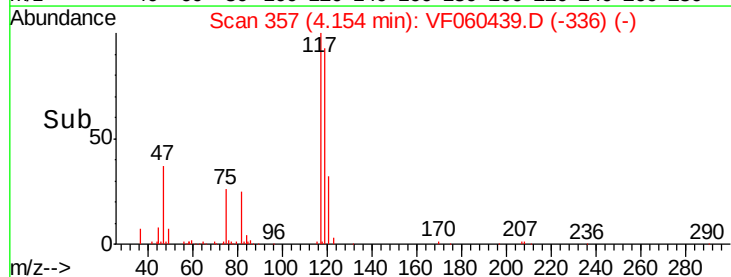
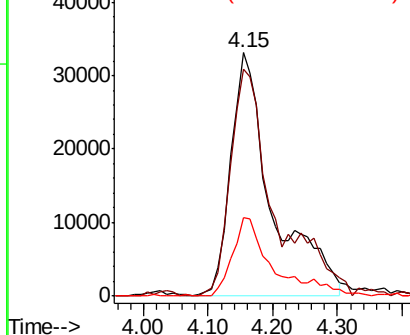


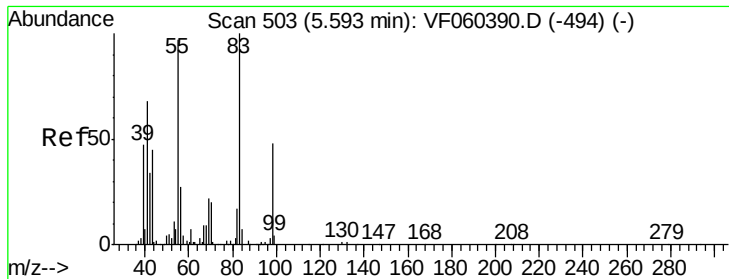
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





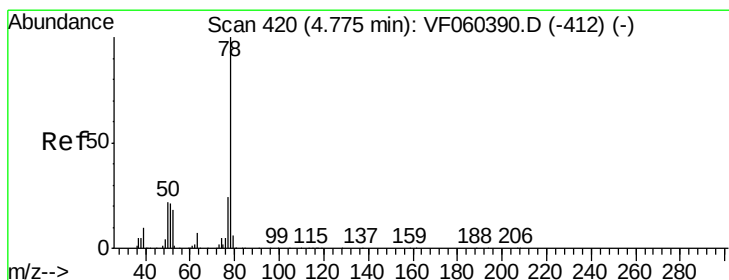
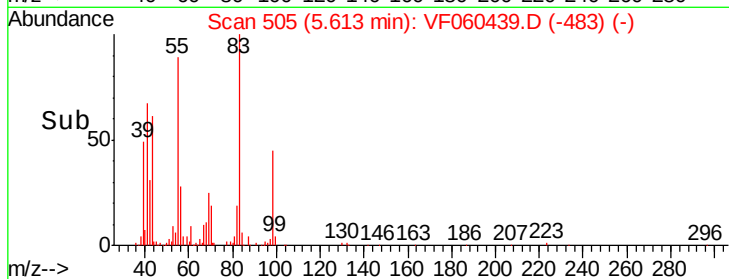
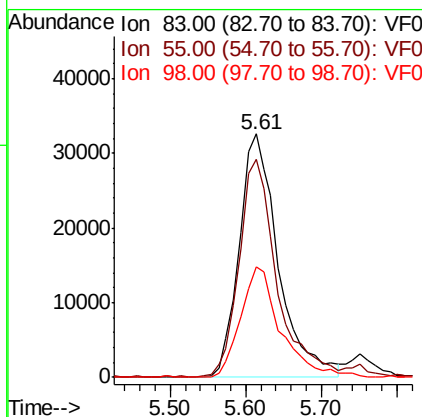
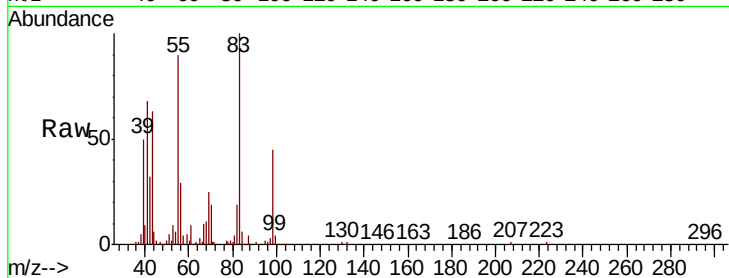
#39
Methylcyclohexane
Concen: 22.201 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	77.5	116.3
98	45.2	38.7	58.1

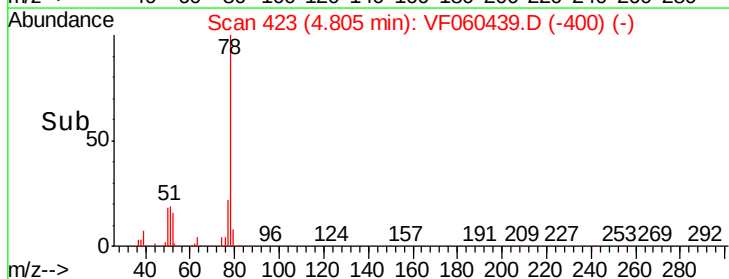
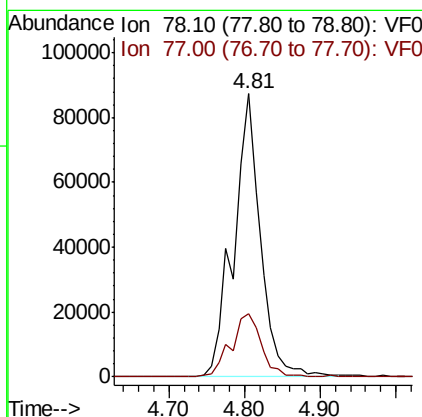
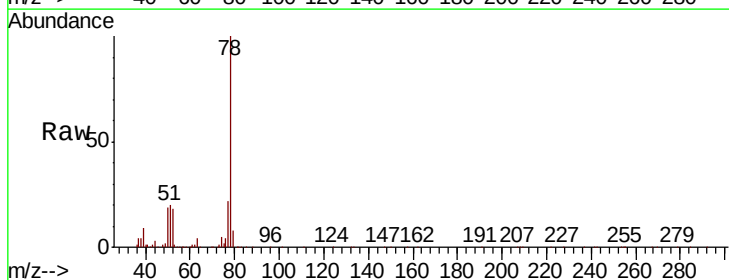
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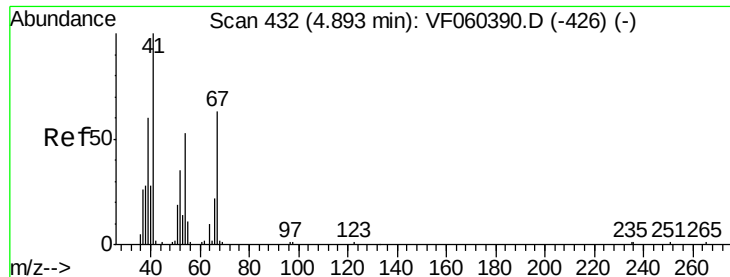
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#40
Benzene
Concen: 20.162 ug/l
RT: 4.81 min Scan# 423
Delta R.T. 0.03 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.2	28.8





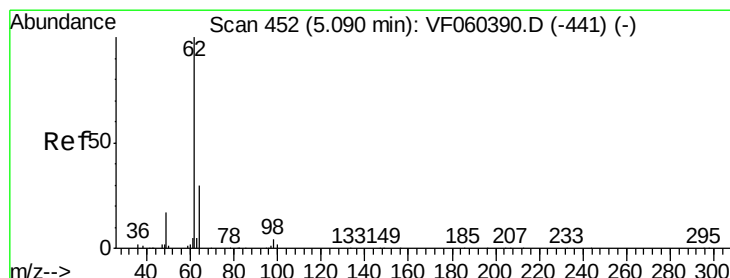
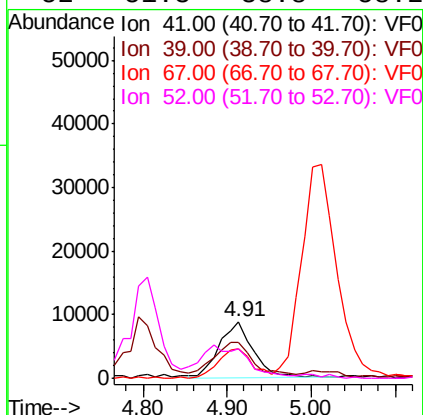
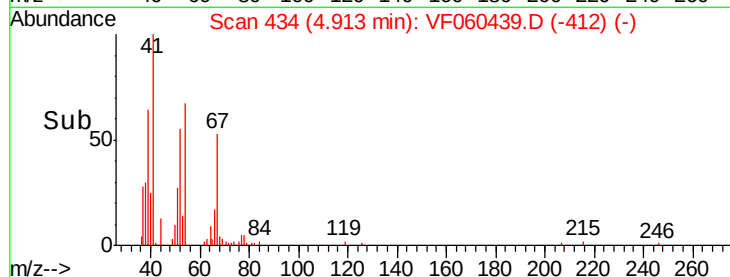
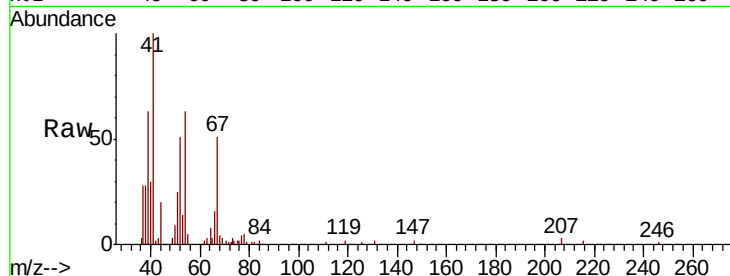
#41
Methacrylonitrile
Concen: 22.476 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.2	55.0	82.4
67	51.0	49.6	74.4
52	51.3	38.8	58.2

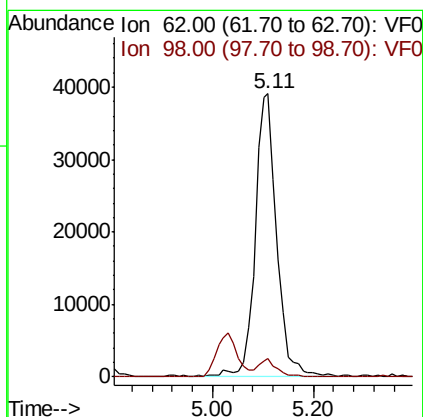
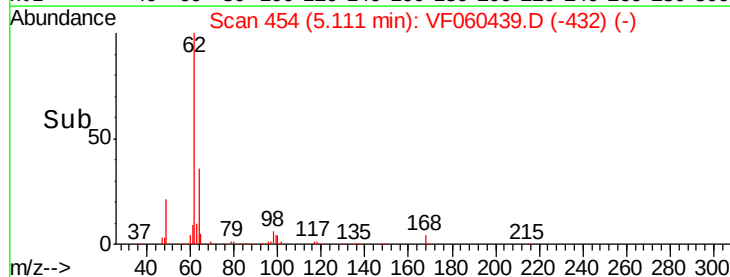
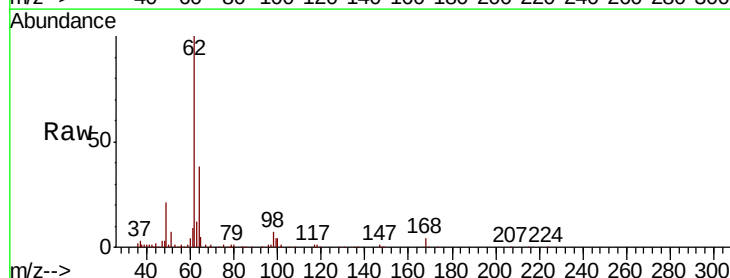
Manual Integrations
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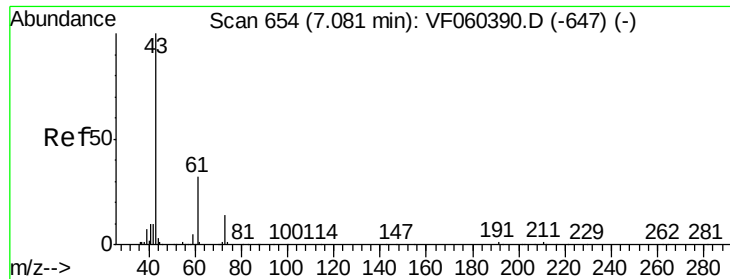
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#42
1,2-Dichloroethane
Concen: 23.002 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	11.2





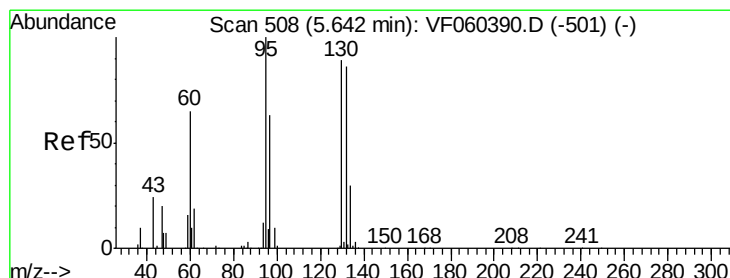
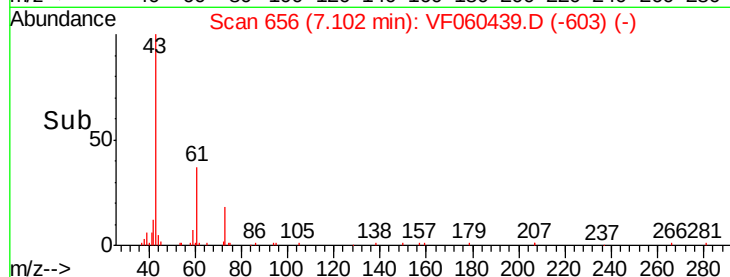
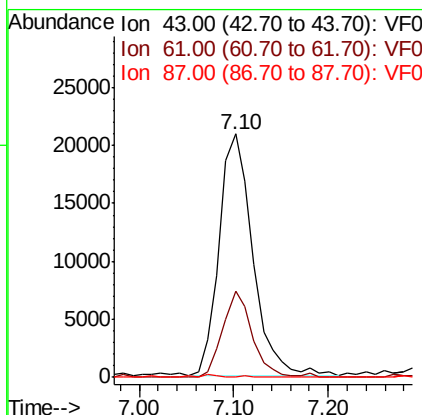
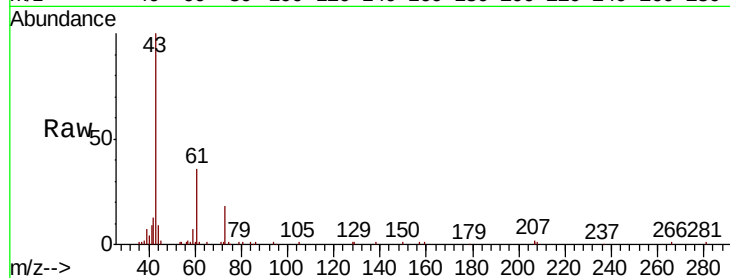
#43
Isopropyl Acetate
Concen: 20.619 ug/l
RT: 7.10 min Scan# 656
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.6	25.4	38.2
87	0.0	0.3	0.5

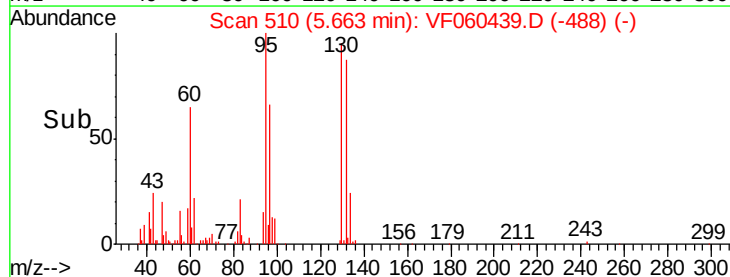
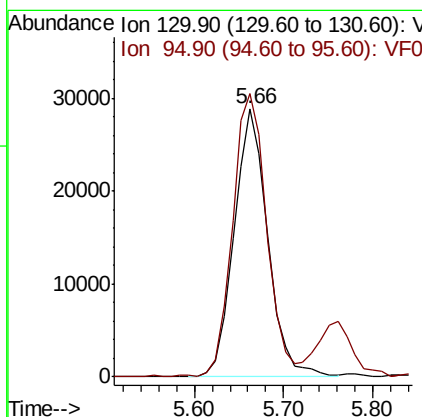
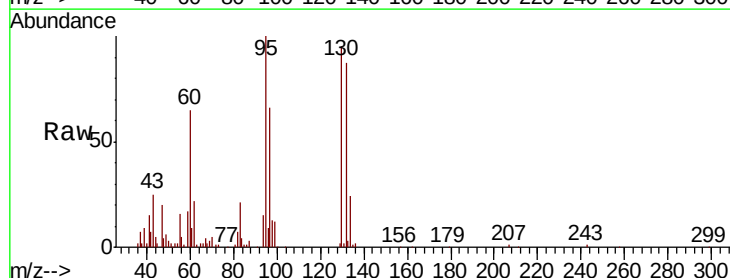
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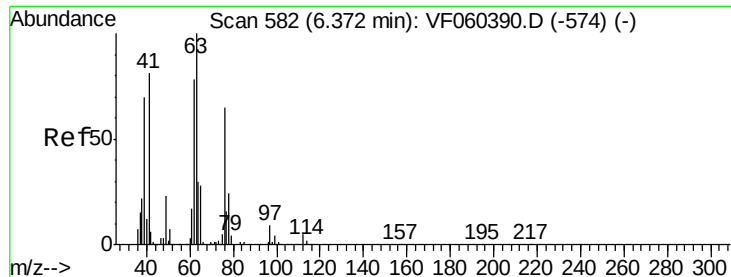
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#44
Trichloroethene
Concen: 22.140 ug/l
RT: 5.66 min Scan# 510
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	224.4





#45

1,2-Dichloropropane

Concen: 22.807 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 63 Resp: 64912

Ion Ratio Lower Upper

63 100

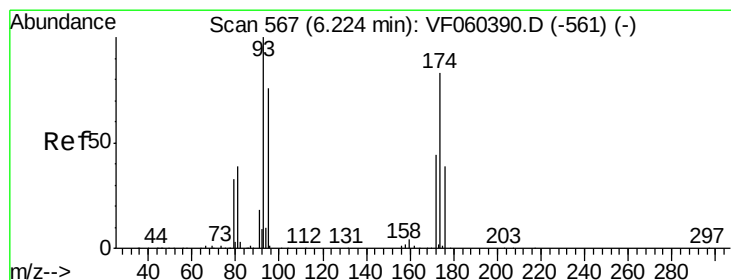
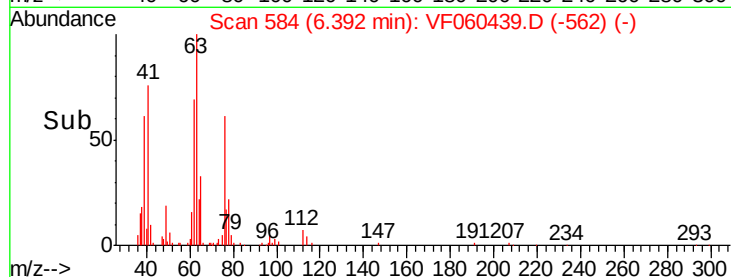
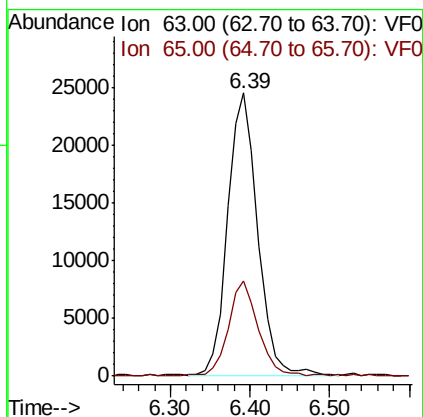
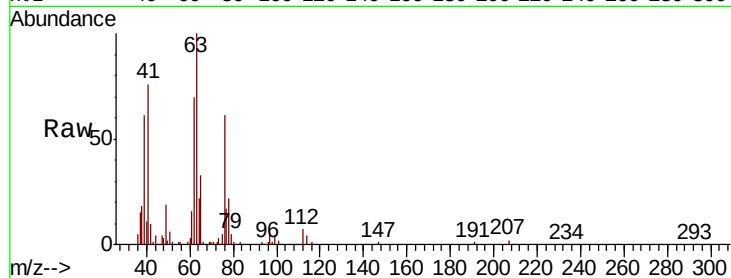
65 33.5 22.7 34.1

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#46

Dibromomethane

Concen: 22.053 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

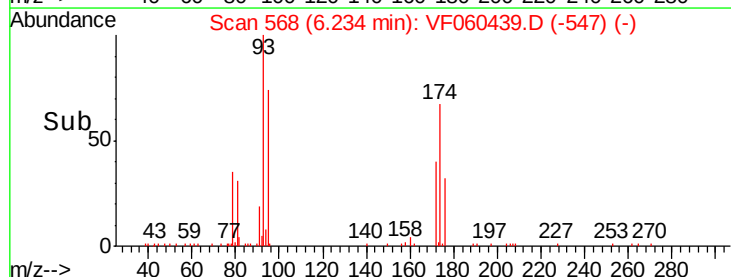
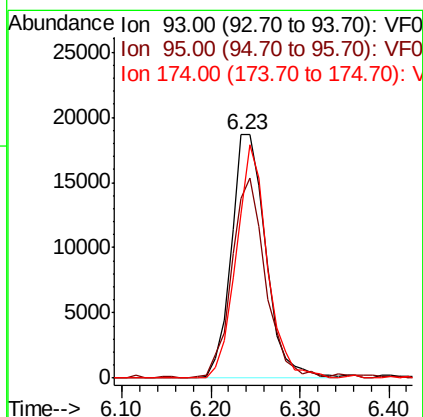
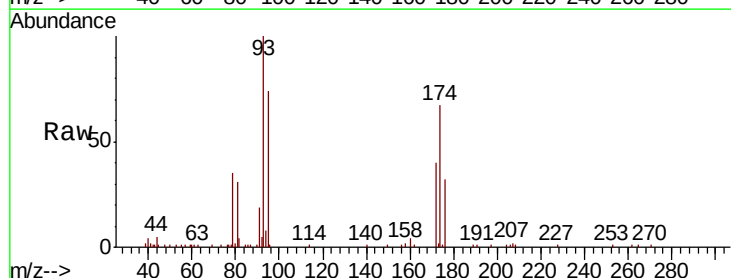
Tgt Ion: 93 Resp: 50465

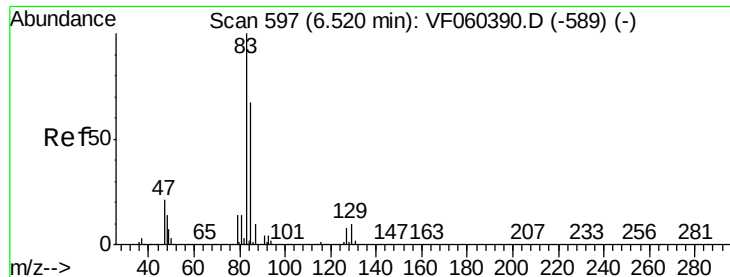
Ion Ratio Lower Upper

93 100

95 73.9 61.1 91.7

174 68.0 66.7 100.1





#47

Bromodichloromethane

Concen: 20.397 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

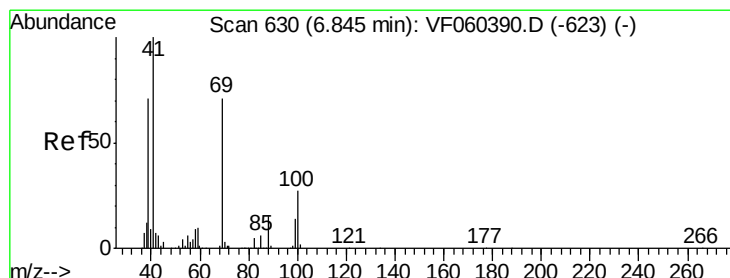
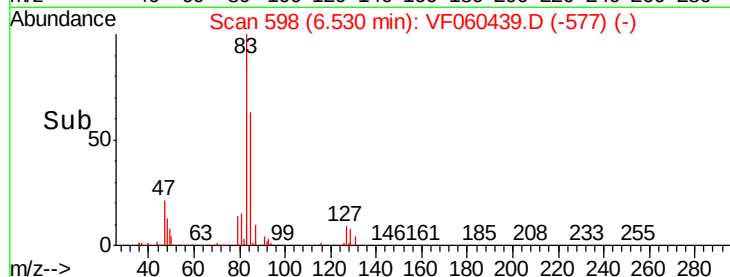
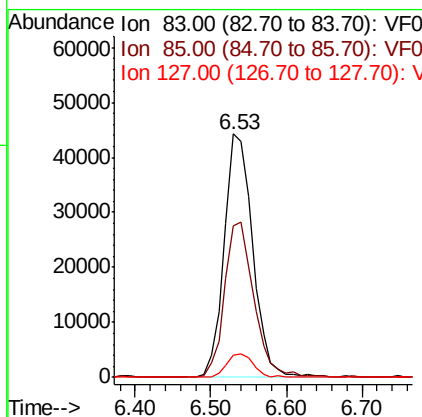
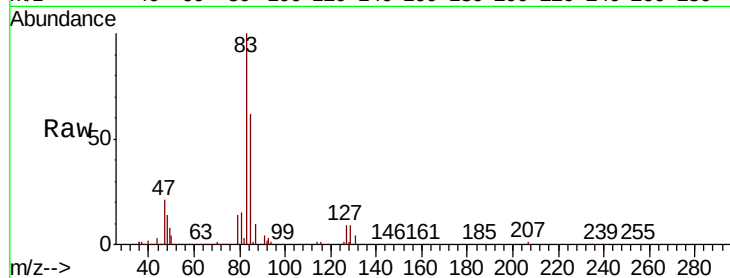
ClientSampleId :

VF1004SBS01

Tot Ion:	83	Resp:	115599
Ion Ratio	Lower	Upper	
83	100		
85	62.3	53.2	79.8
127	9.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.731 ug/l

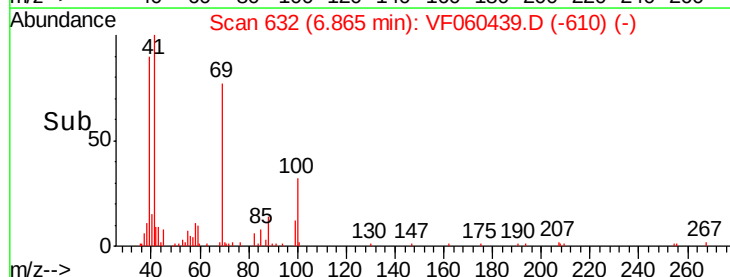
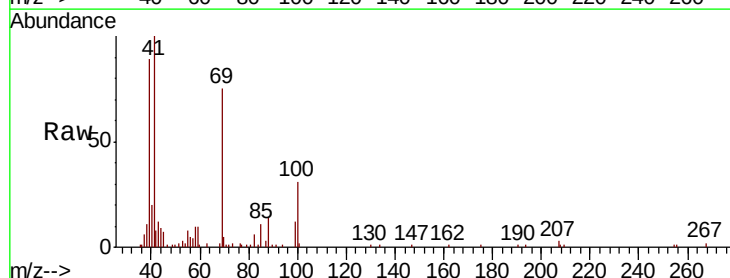
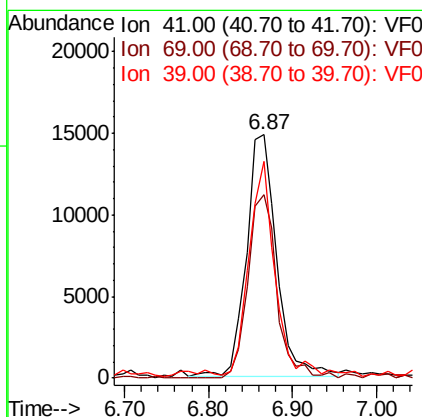
RT: 6.87 min Scan# 632

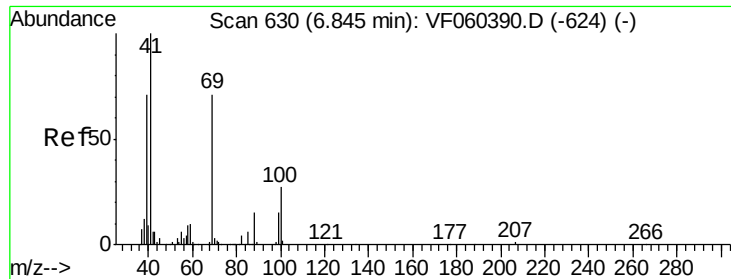
Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	41	Resp:	37075
Ion Ratio	Lower	Upper	
41	100		
69	75.3	56.3	84.5
39	89.0	56.9	85.3#





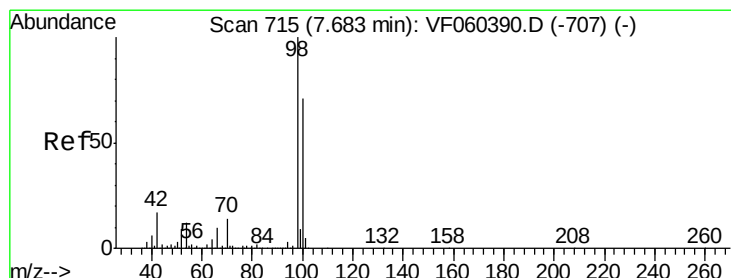
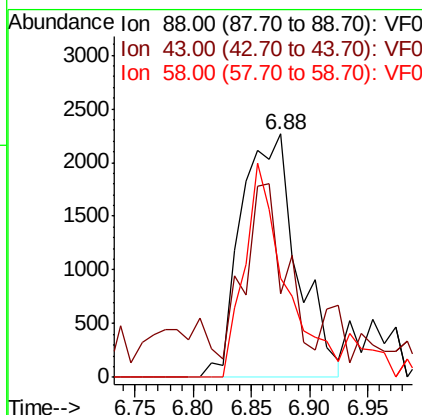
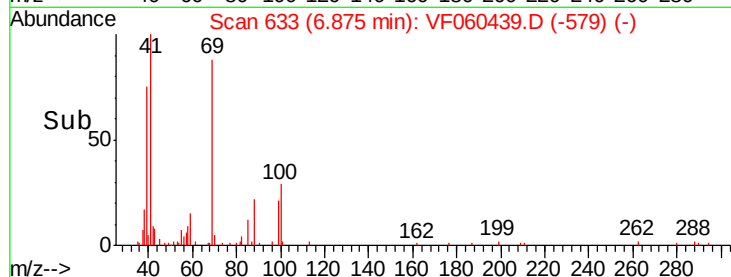
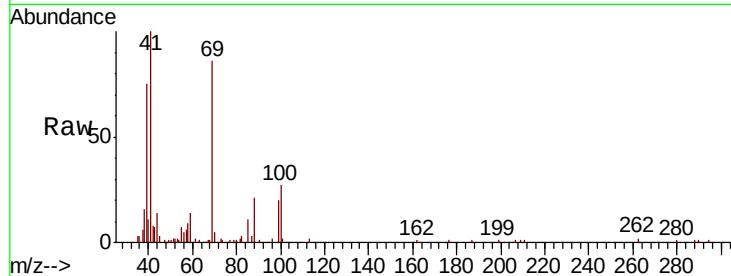
#49
1,4-Dioxane
Concen: 492.217 ug/l
RT: 6.88 min Scan# 633
Delta R.T. 0.03 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	38.3	57.5#
58	40.8	47.4	71.2#

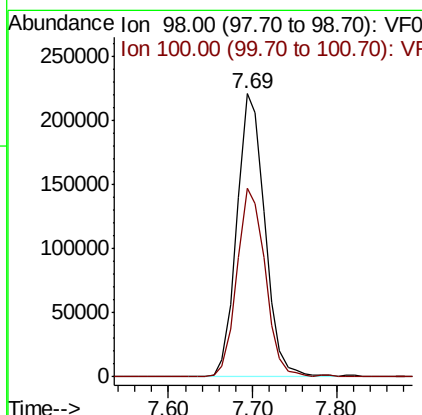
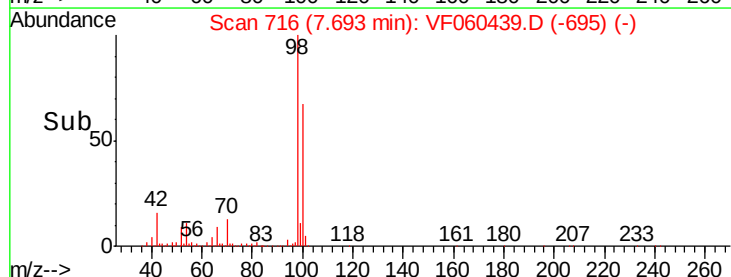
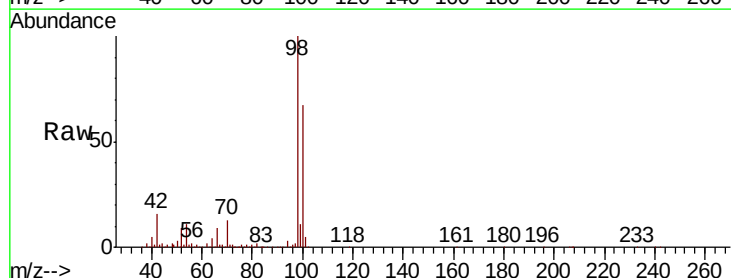
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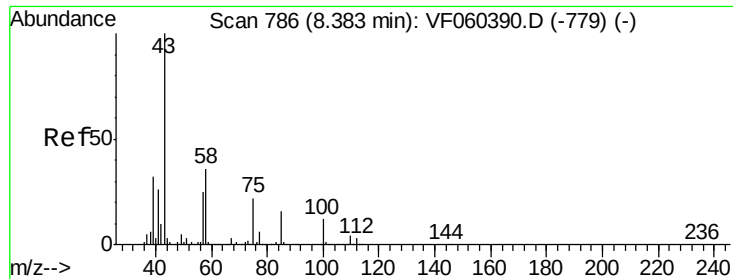
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#50
Toluene-d8
Concen: 50.836 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 115.149 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampled :

VF1004SBS01

Tot Ion: 43 Resp: 204215

Ion Ratio Lower Upper

43 100

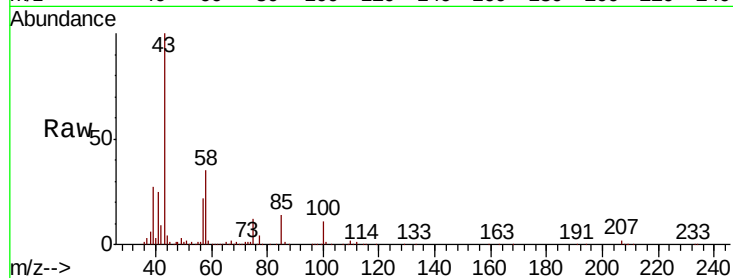
58 34.7 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

100000

80000

60000

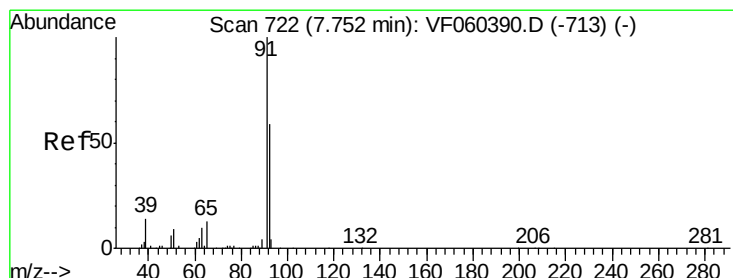
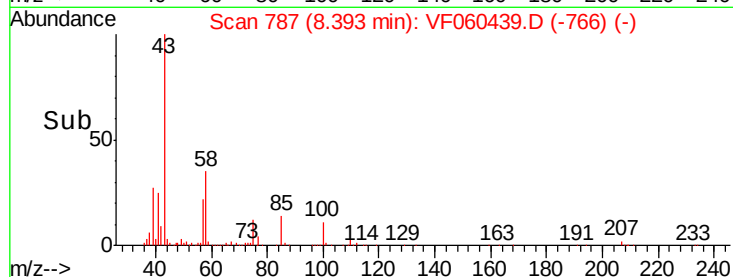
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.322 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.02 min

Lab File: VF060439.D

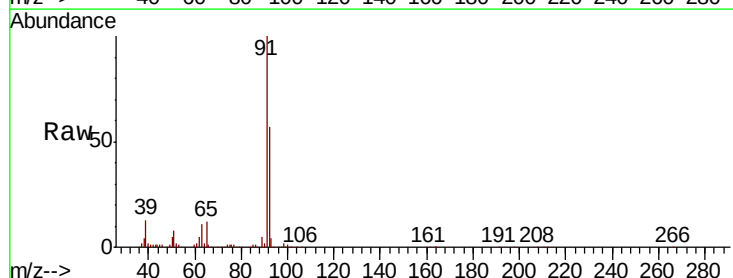
Acq: 4 Oct 2018 16:48

Tgt Ion: 92 Resp: 154780

Ion Ratio Lower Upper

92 100

91 176.3 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

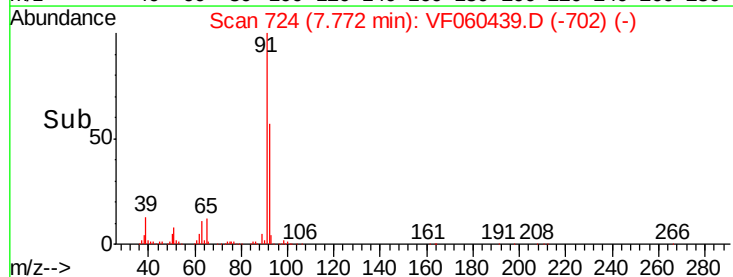
100000

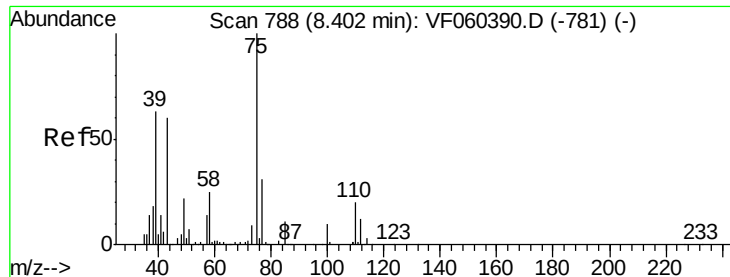
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.459 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 75 Resp: 95313

Ion Ratio Lower Upper

75 100

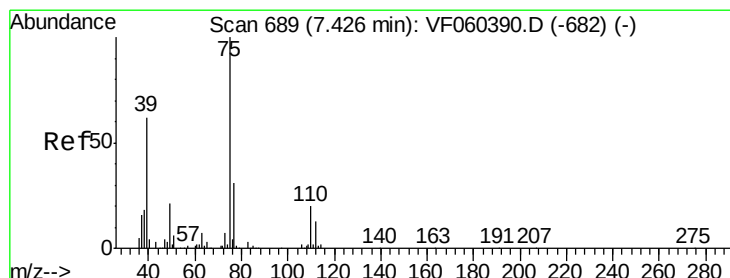
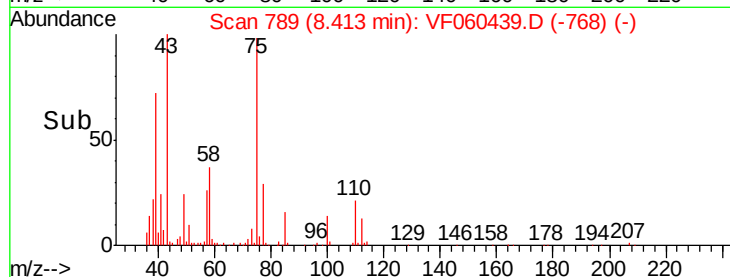
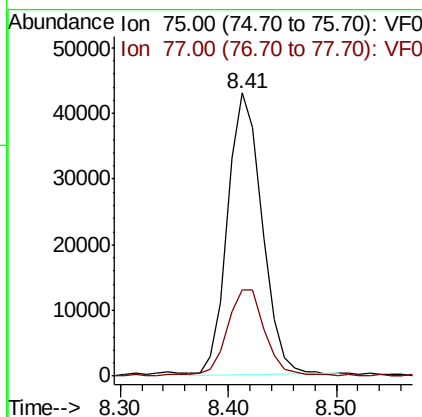
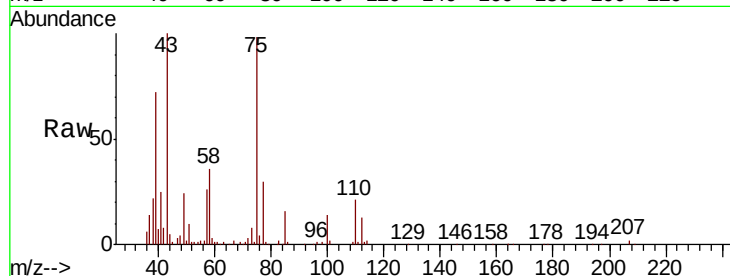
77 30.5 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 22.364 ug/l

RT: 7.45 min Scan# 691

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

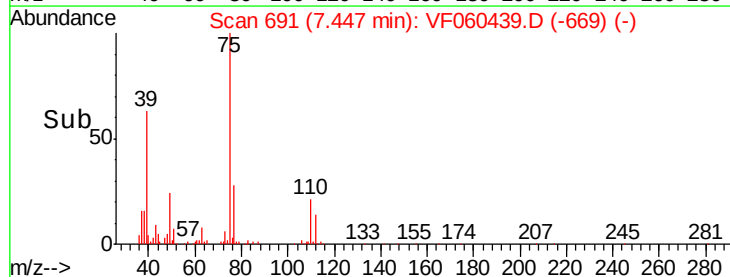
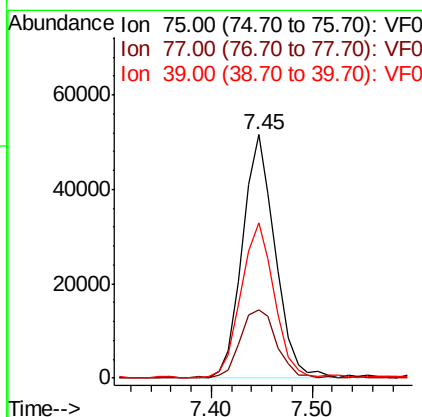
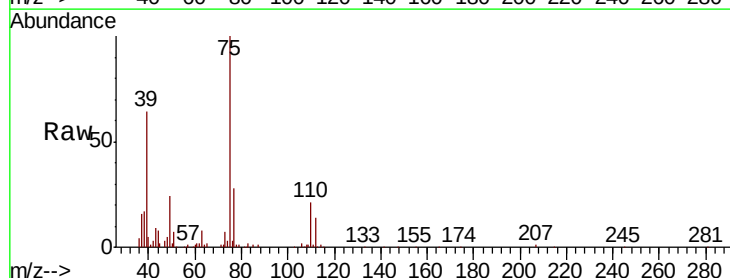
Tgt Ion: 75 Resp: 116088

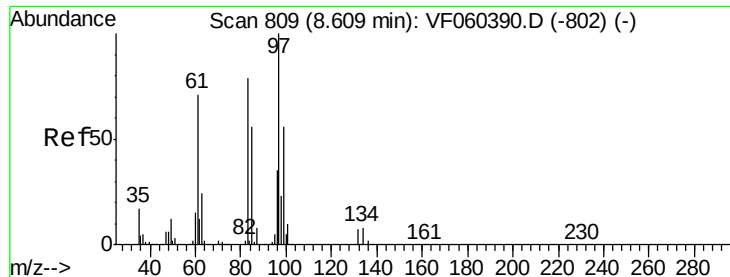
Ion Ratio Lower Upper

75 100

77 28.1 25.2 37.8

39 63.8 49.7 74.5





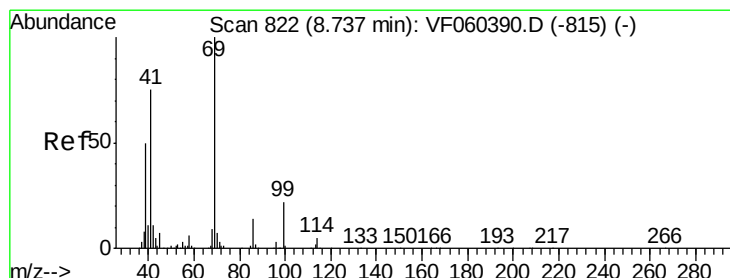
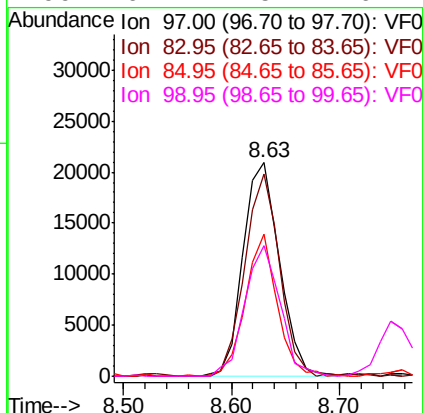
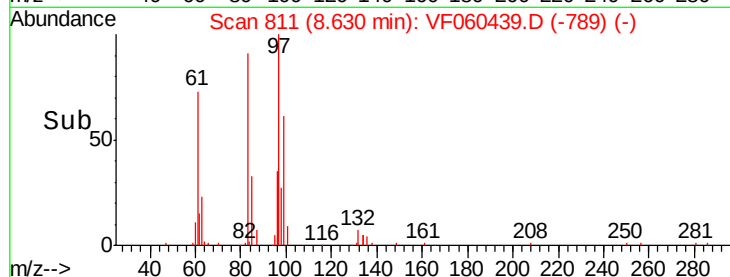
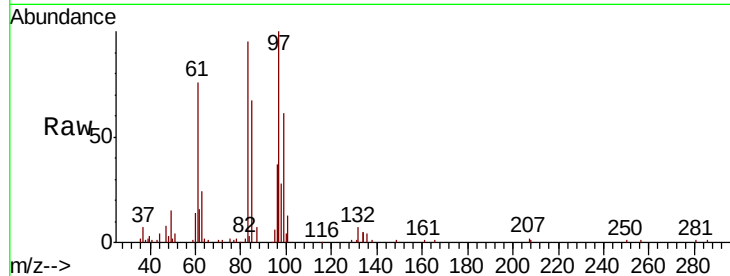
#55
 1,1,2-Trichloroethane
 Concen: 21.411 ug/l
 RT: 8.63 min Scan# 811
 Delta R.T. 0.02 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion:	97	Resp:	49265
Ion Ratio	Lower	Upper	
97	100		
83	94.9	63.4	95.0
85	66.6	44.5	66.7
99	61.2	45.1	67.7

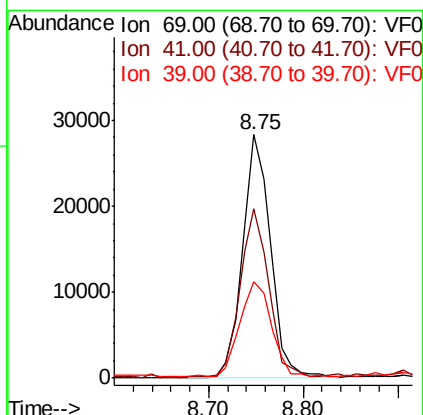
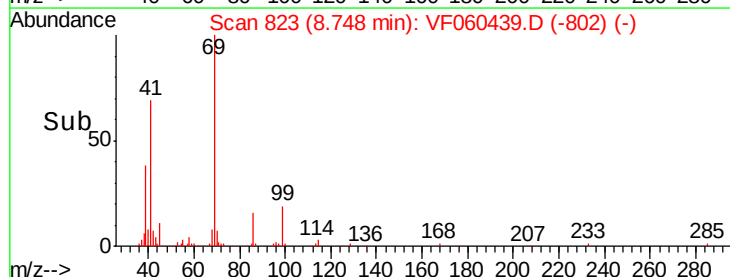
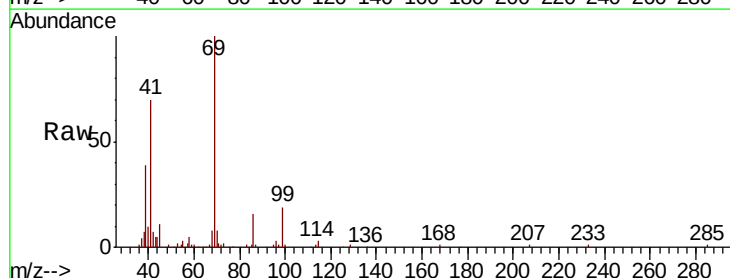
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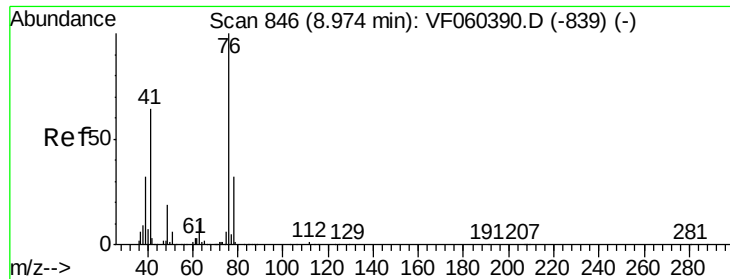
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#56
 Ethyl methacrylate
 Concen: 22.190 ug/l
 RT: 8.75 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion:	69	Resp:	58018
Ion Ratio	Lower	Upper	
69	100		
41	69.6	60.2	90.4
39	39.4	40.2	60.2#





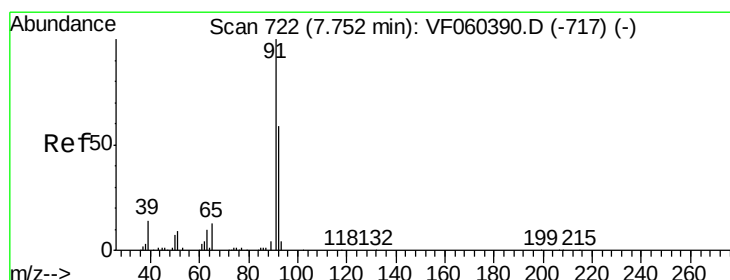
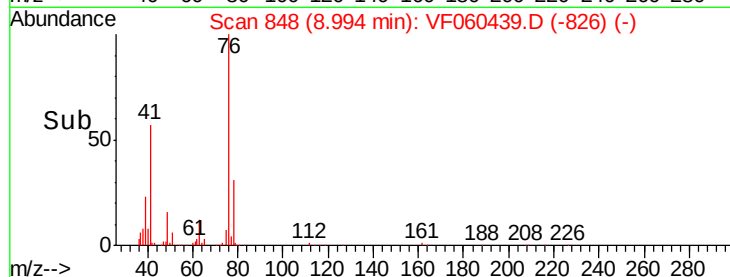
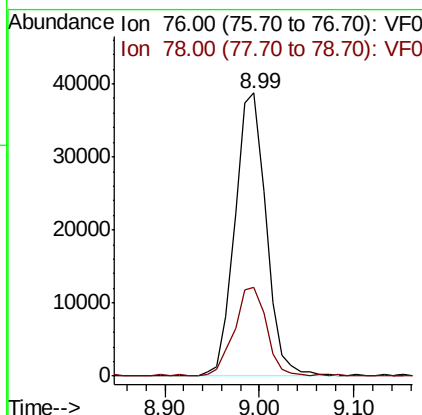
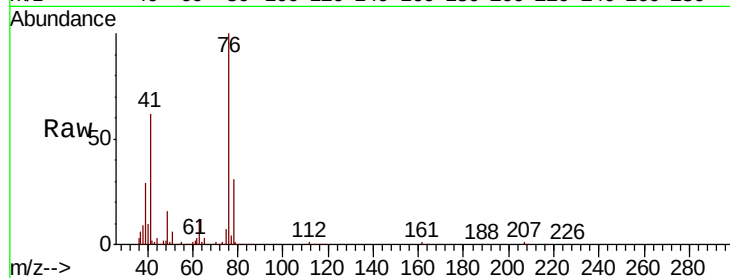
#57
 1,3-Dichloropropane
 Concen: 22.750 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. 0.02 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.3	37.9

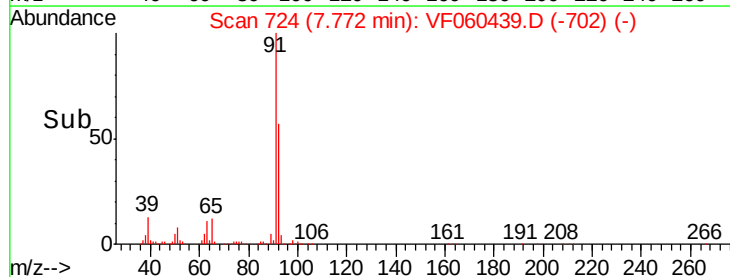
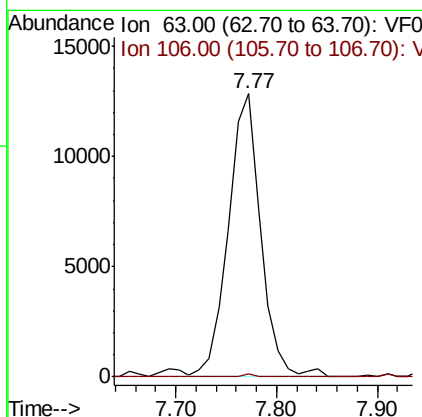
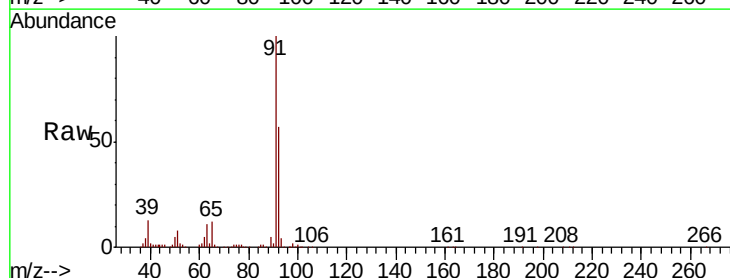
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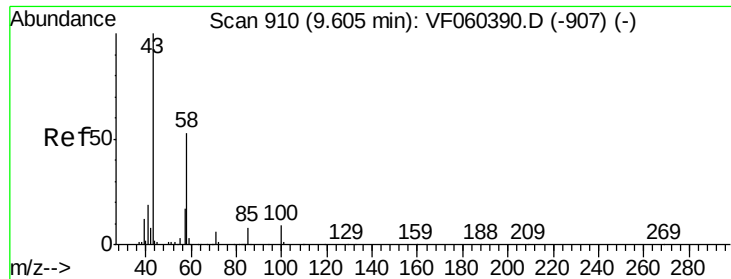
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.319 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.9	0.0	0.0#





#59

2-Hexanone

Concen: 123.491 ug/l

RT: 9.62 min Scan# 911

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion: 43 Resp: 160641

Ion Ratio Lower Upper

43 100

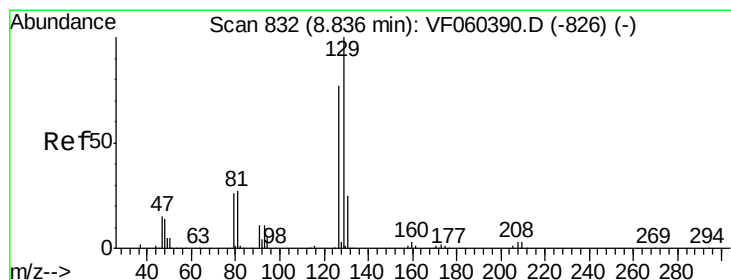
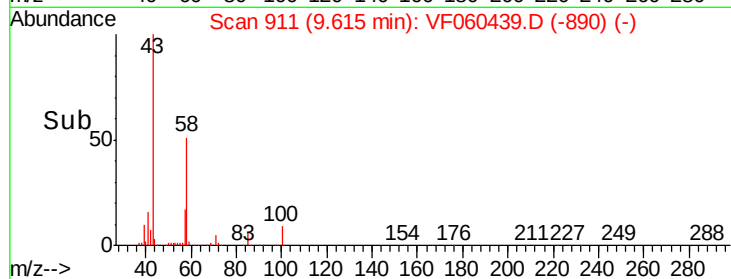
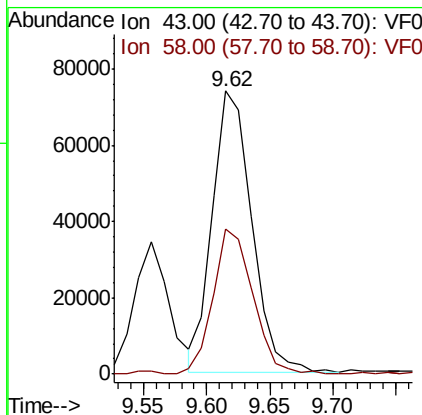
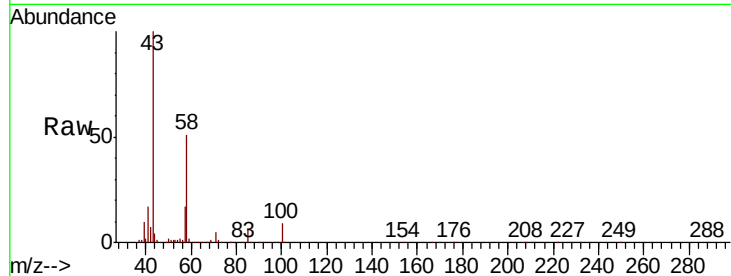
58 51.1 25.6 76.6

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#60

Dibromochloromethane

Concen: 21.218 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.02 min

Lab File: VF060439.D

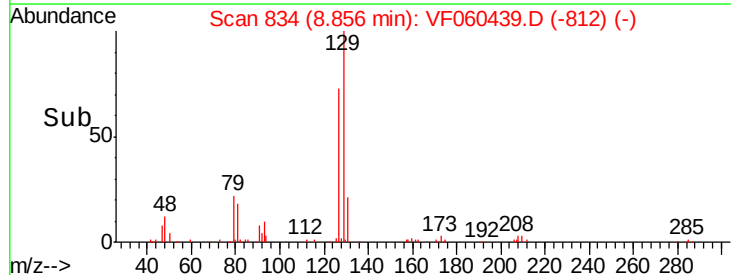
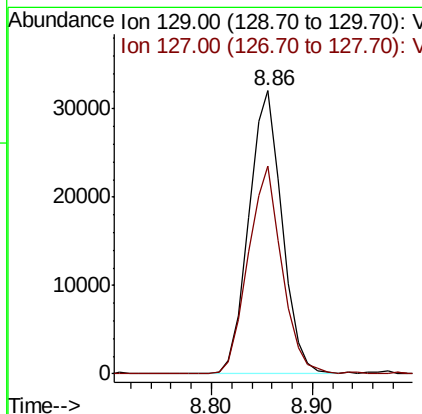
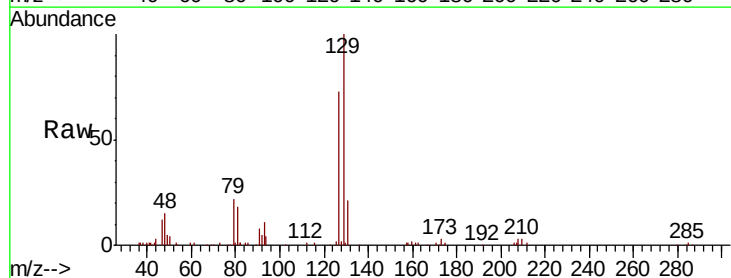
Acq: 4 Oct 2018 16:48

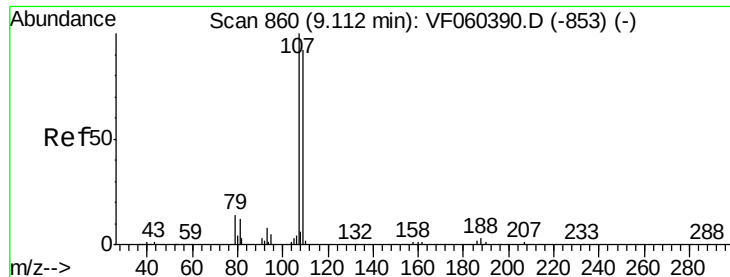
Tgt Ion: 129 Resp: 73510

Ion Ratio Lower Upper

129 100

127 73.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 23.052 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion:107 Resp: 58039

Ion Ratio Lower Upper

107 100

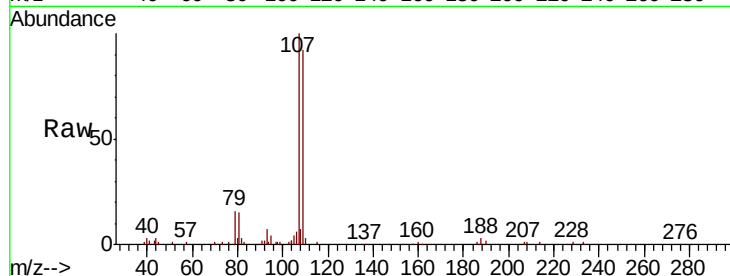
109 92.3 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

25000

20000

15000

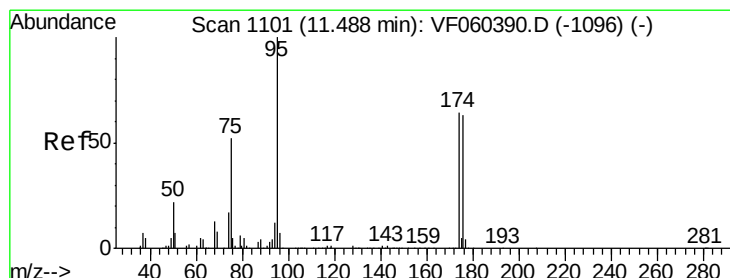
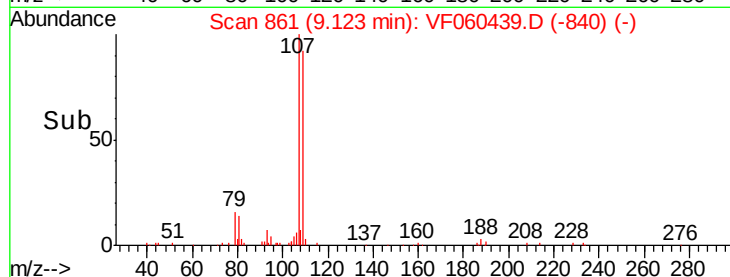
10000

5000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 51.998 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

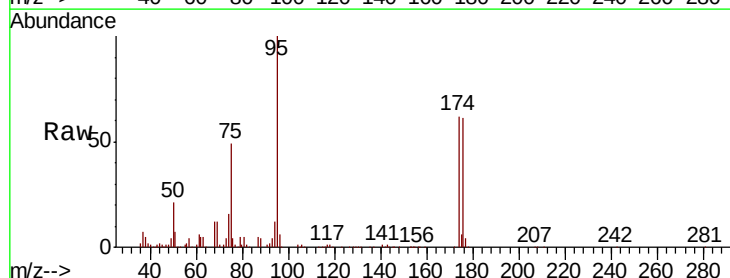
Tgt Ion: 95 Resp: 239856

Ion Ratio Lower Upper

95 100

174 62.2 0.0 129.0

176 61.0 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

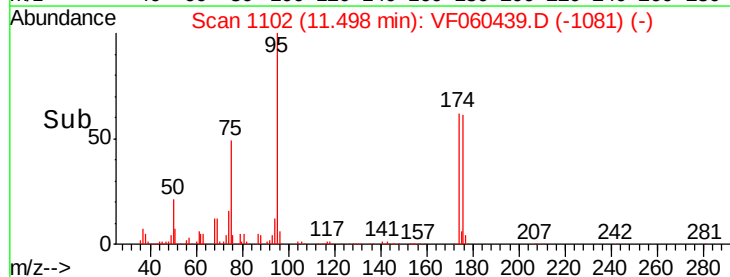
100000

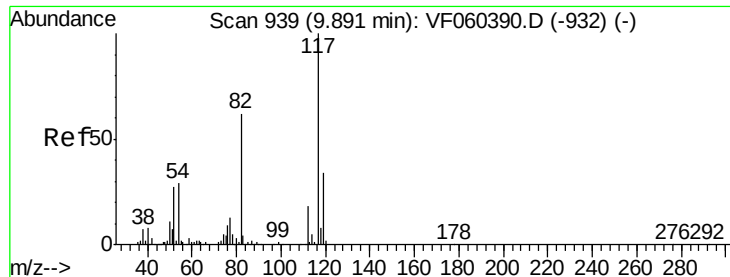
50000

0

11.40 11.50 11.60

Time-->





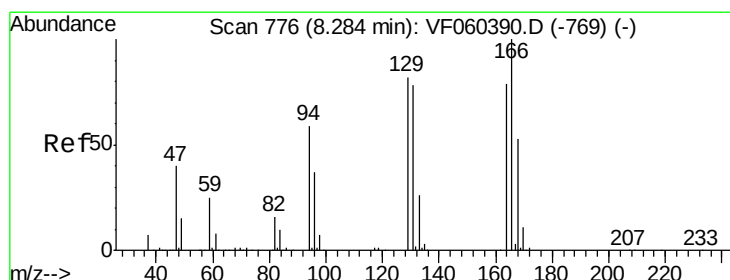
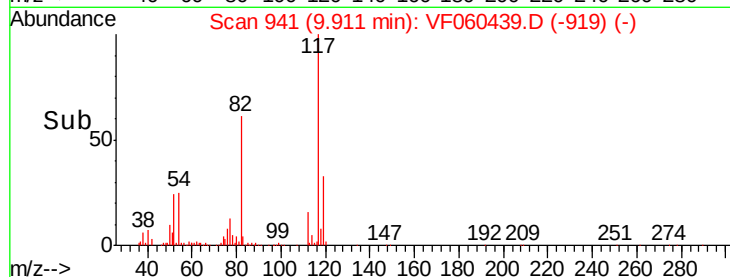
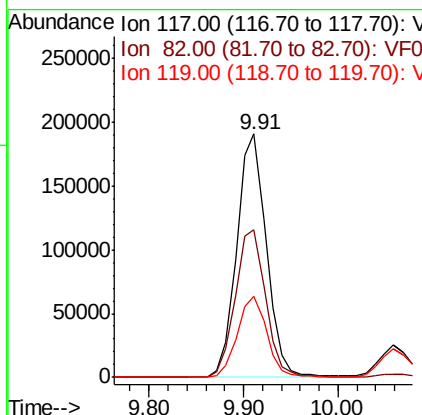
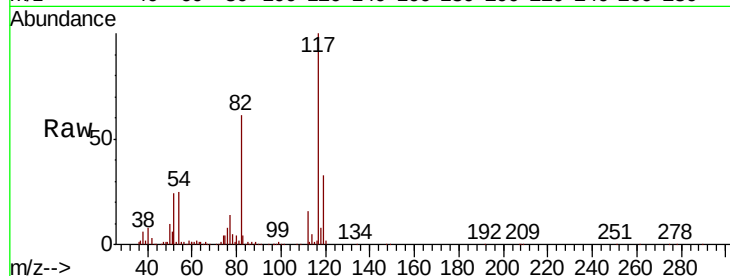
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.5	74.3
119	33.4	27.0	40.6

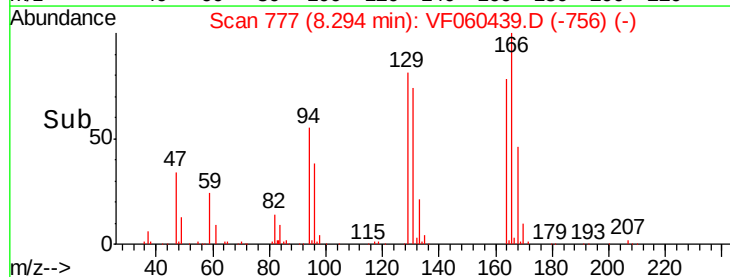
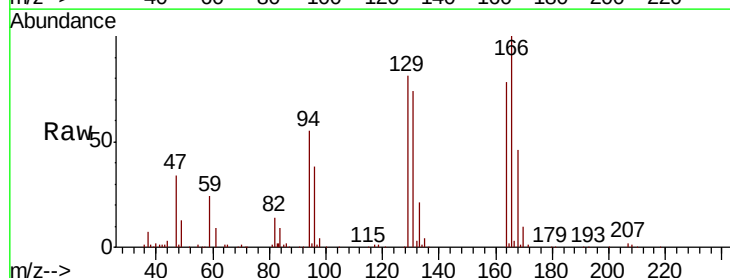
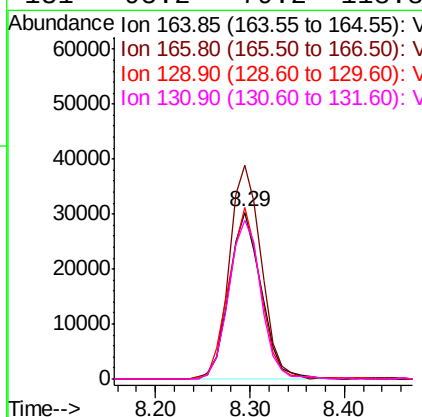
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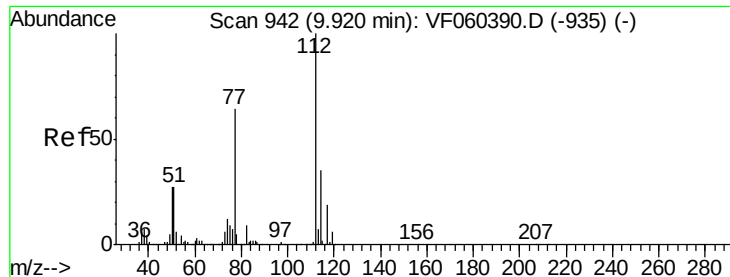
apatel
10/5/2018 12:26:27 PM



#64
Tetrachloroethene
Concen: 21.684 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.0	151.6
129	103.4	82.5	123.7
131	95.2	79.2	118.8





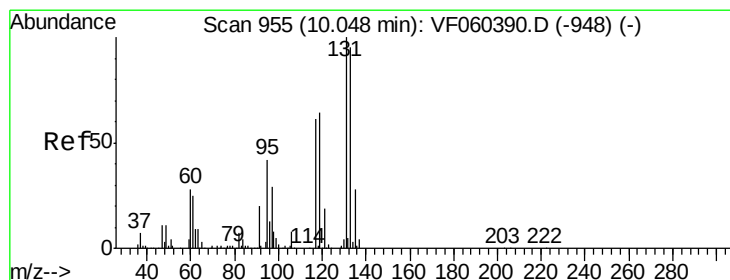
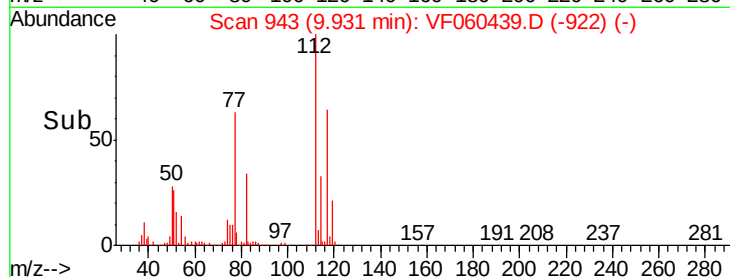
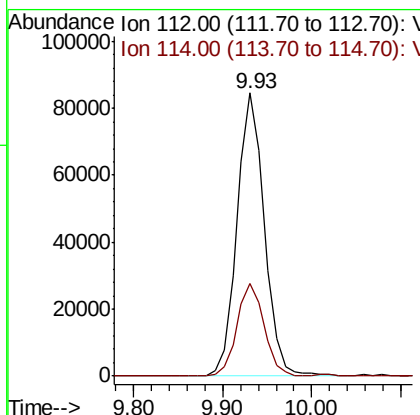
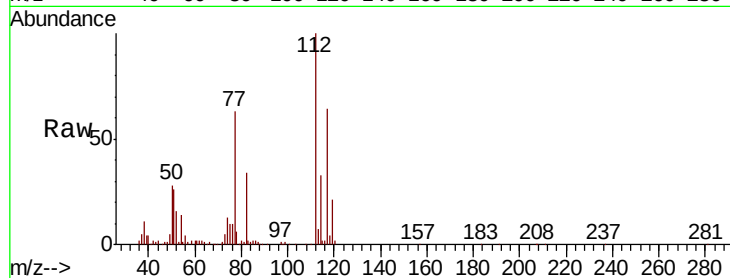
#65
Chlorobenzene
Concen: 21.345 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion:112 Resp: 181403
Ion Ratio Lower Upper
112 100
114 32.6 27.7 41.5

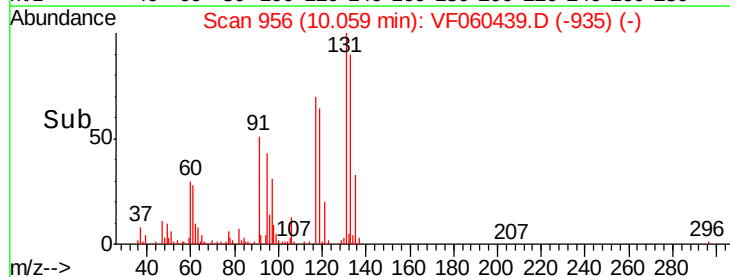
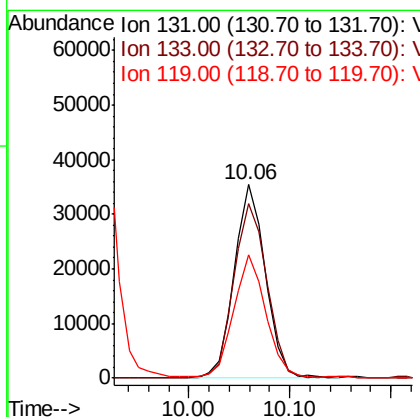
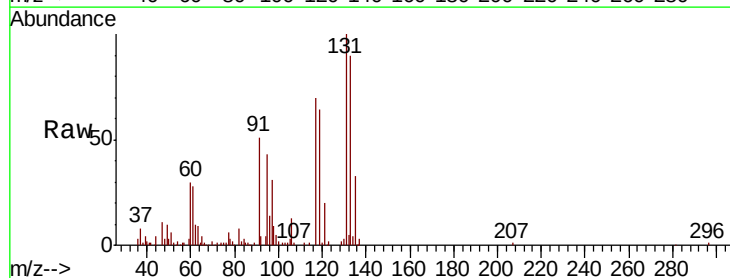
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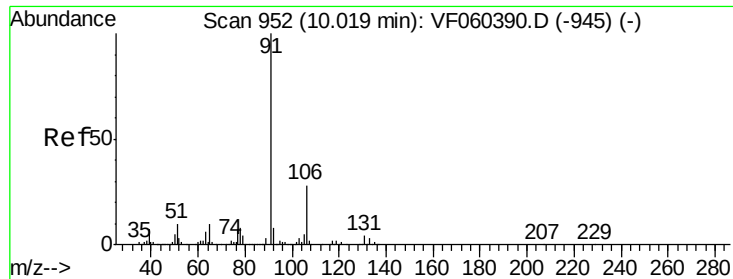
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.544 ug/l
RT: 10.06 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion:131 Resp: 76234
Ion Ratio Lower Upper
131 100
133 90.1 47.3 141.8
119 64.0 32.3 96.9





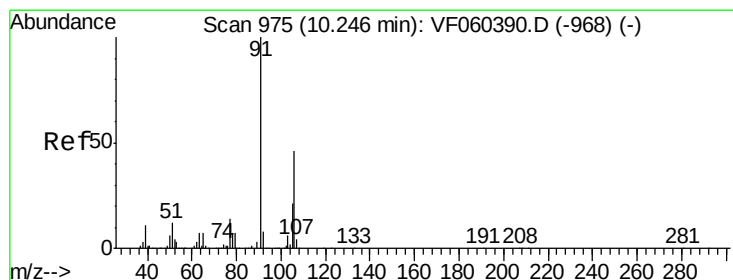
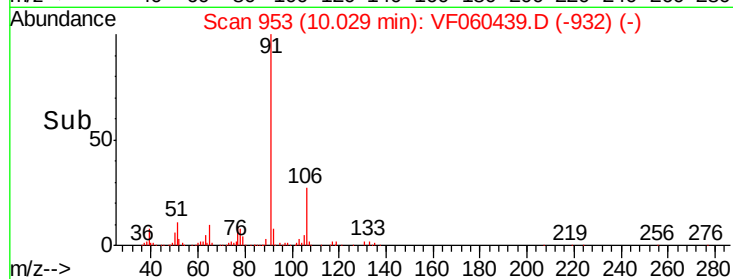
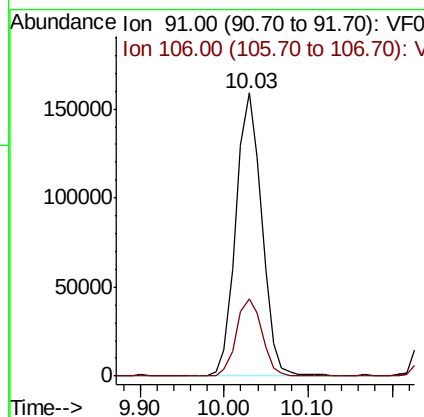
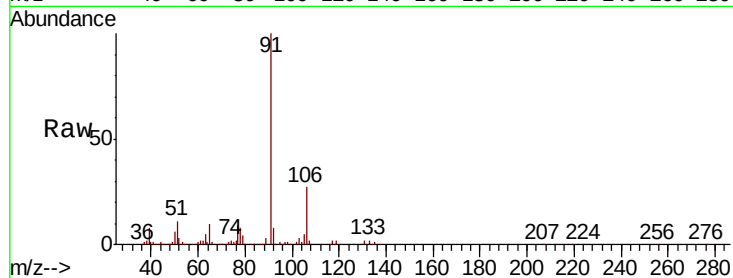
#67
Ethyl Benzene
Concen: 21.175 ug/l
RT: 10.03 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	27.4	22.5	33.7

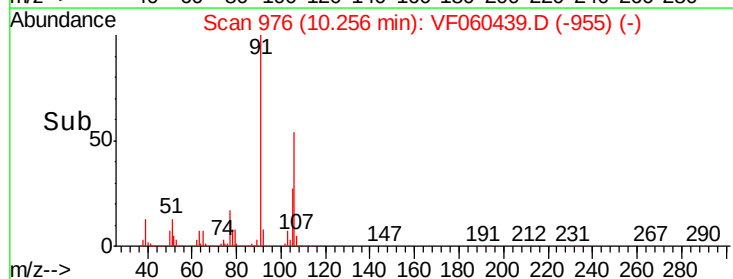
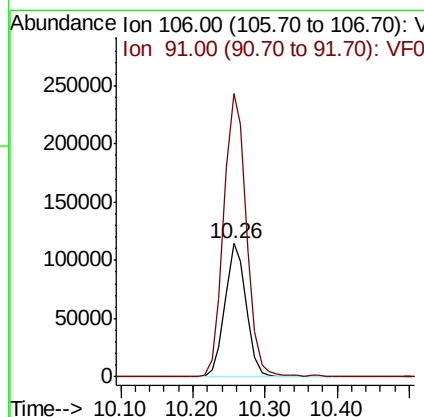
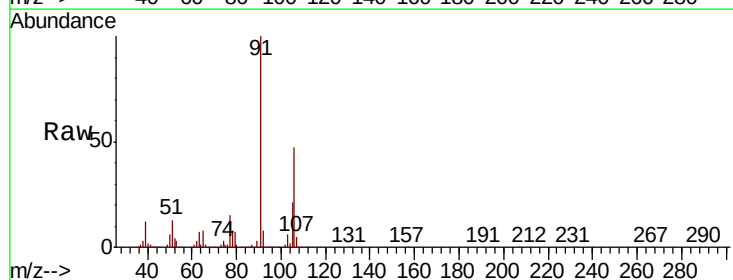
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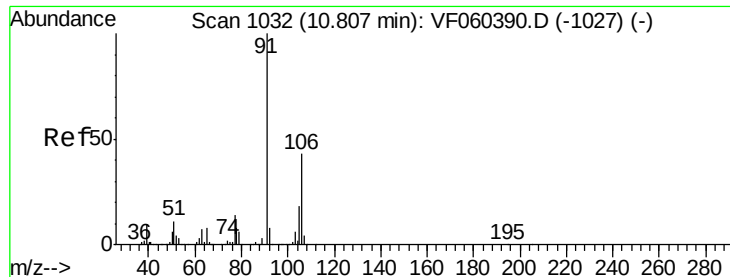
apatel
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#68
m/p-Xylenes
Concen: 42.344 ug/l
RT: 10.26 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.1	175.0	262.6





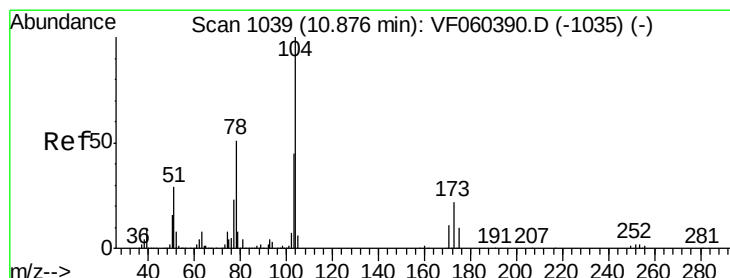
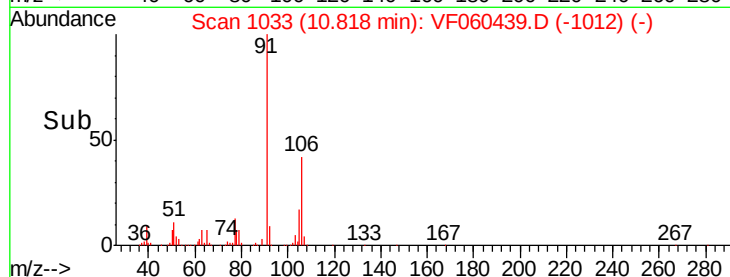
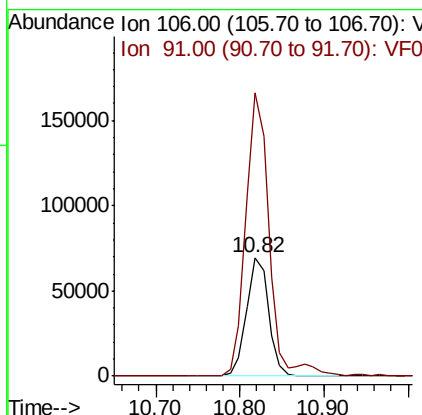
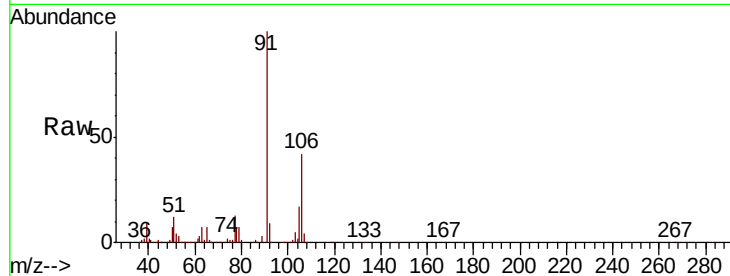
#69
o-Xylene
Concen: 21.441 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		129825		
91	238.3	115.1	345.2		

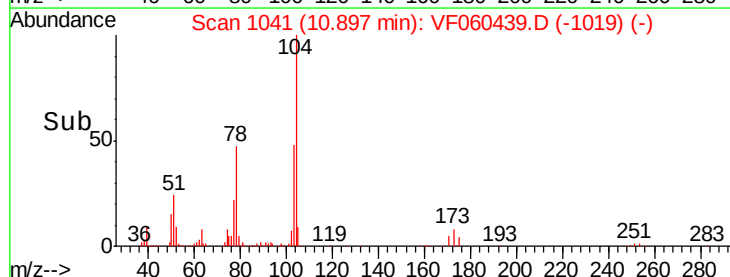
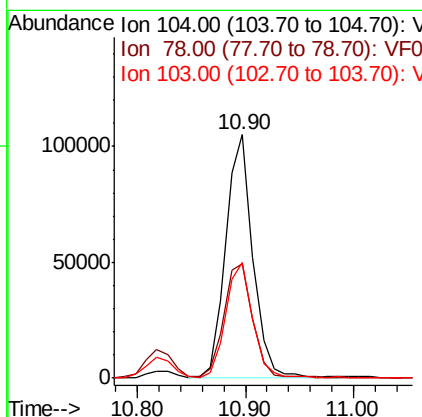
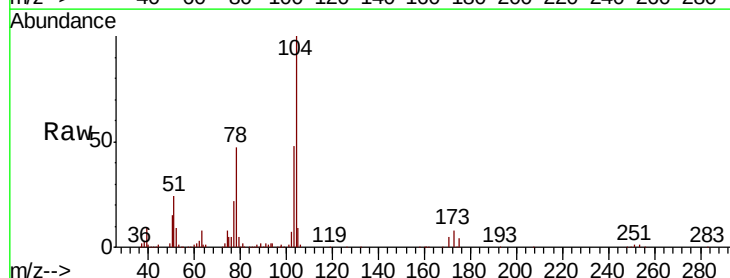
Manual Integrations
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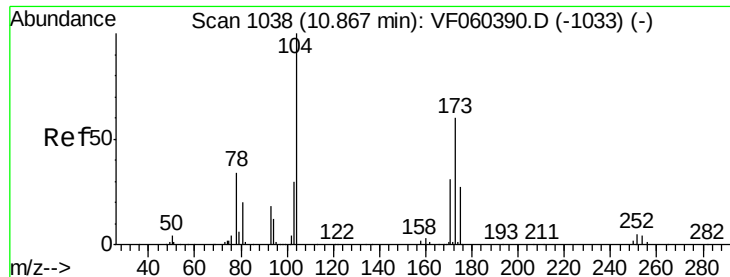
apatel
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#70
Styrene
Concen: 21.146 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. 0.02 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		182123		
78	46.8	41.0	61.4		
103	47.7	36.4	54.6		





#71

Bromoform

Concen: 20.178 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

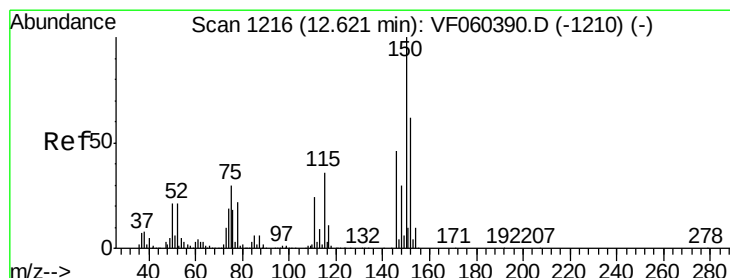
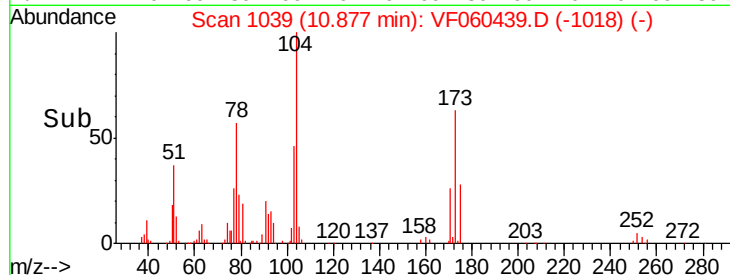
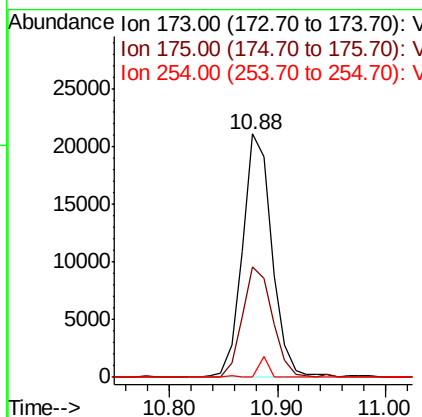
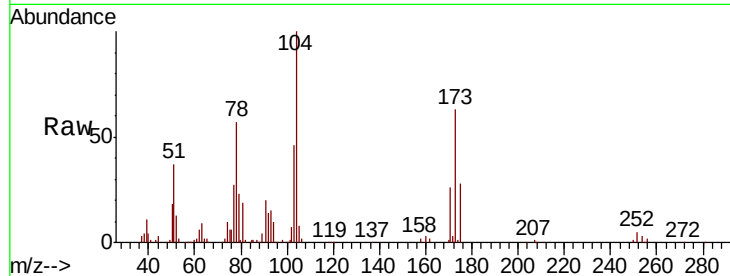
ClientSampleId :

VF1004SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.2	22.1	66.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

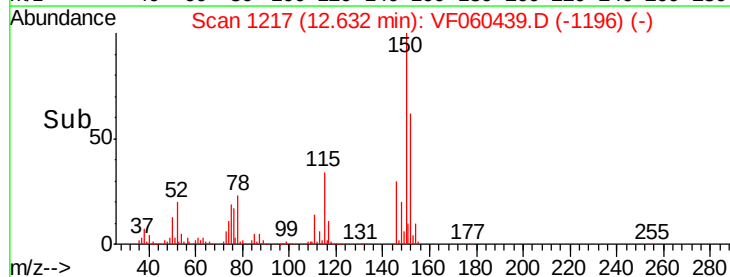
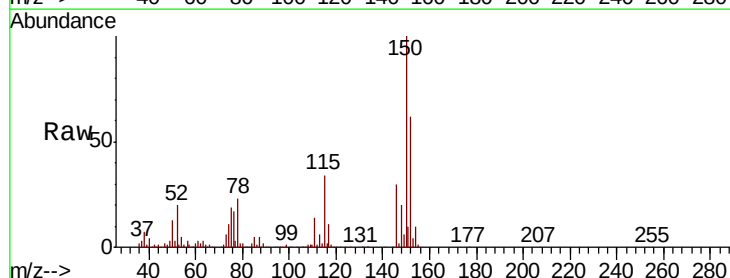
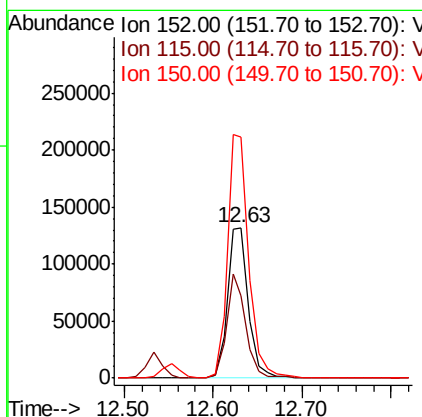
RT: 12.63 min Scan# 1217

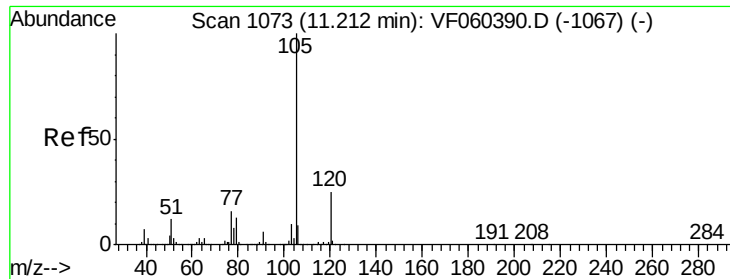
Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.6	85.8
150	160.2	0.0	324.6





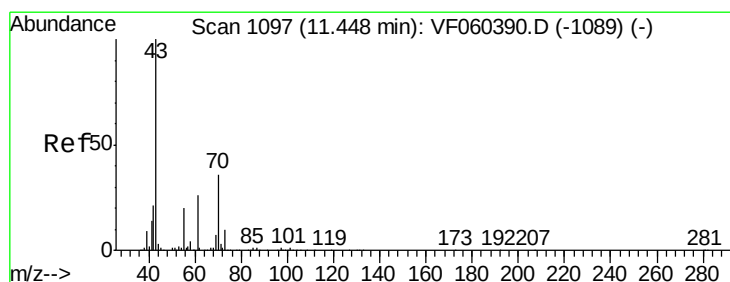
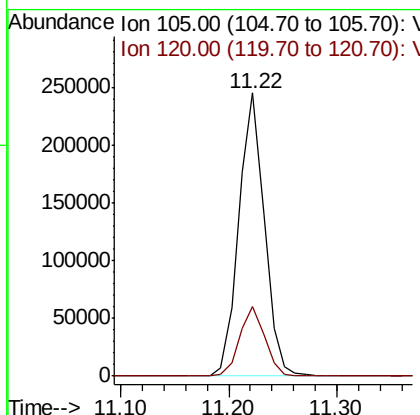
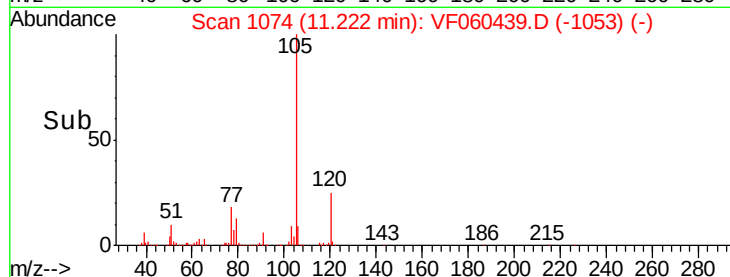
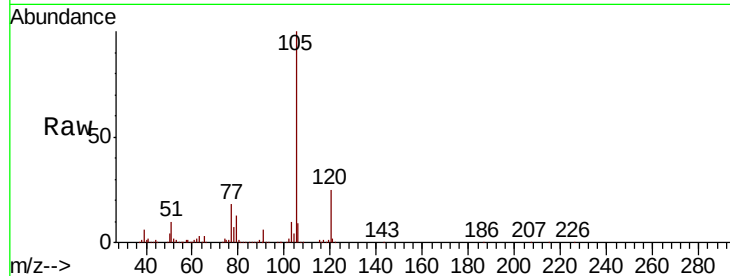
#73
Isopropylbenzene
Concen: 23.312 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion: 105 Resp: 404315
Ion Ratio Lower Upper
105 100
120 24.7 12.3 36.9

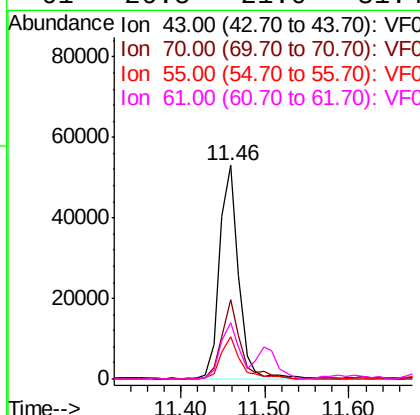
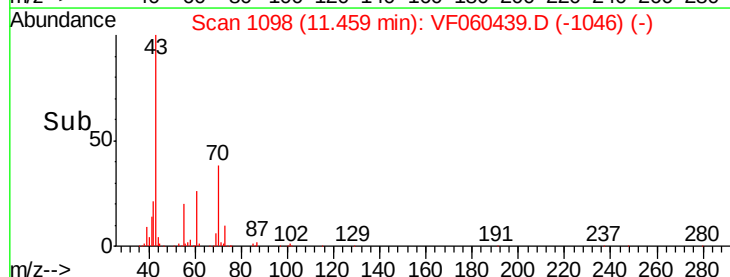
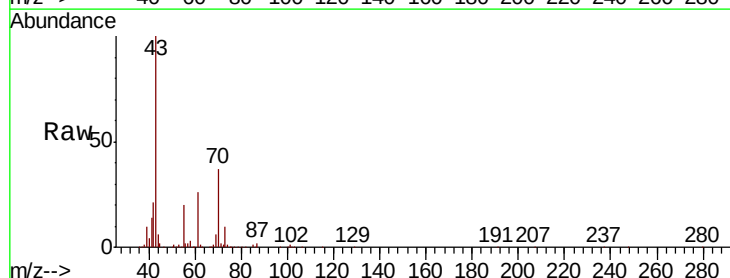
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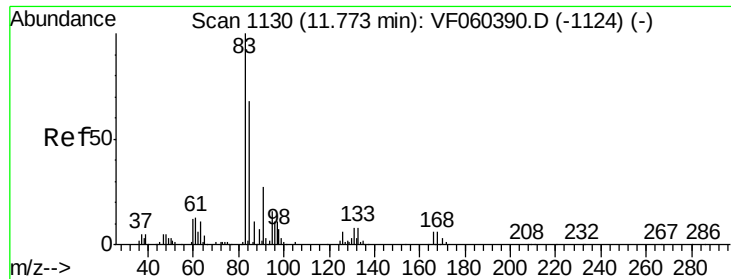
apatel
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#74
N-ethyl acetate
Concen: 21.234 ug/l
RT: 11.46 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion: 43 Resp: 84523
Ion Ratio Lower Upper
43 100
70 37.3 29.1 43.7
55 19.8 16.3 24.5
61 26.5 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.417 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

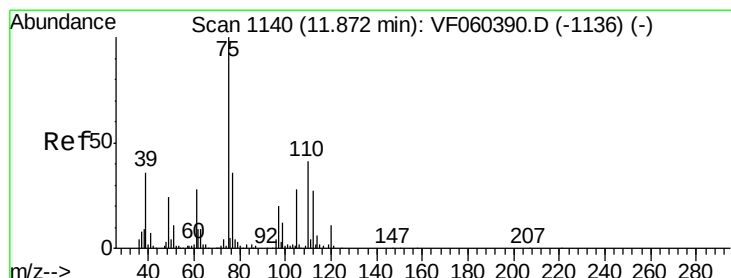
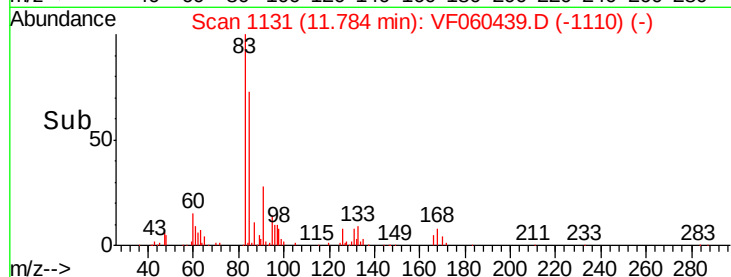
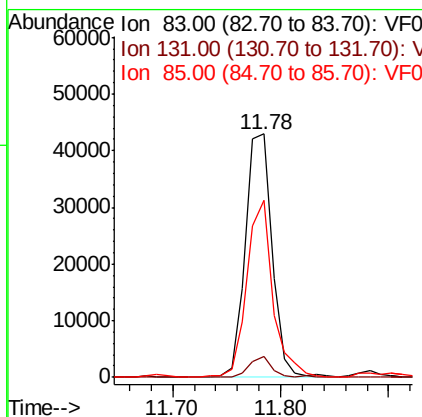
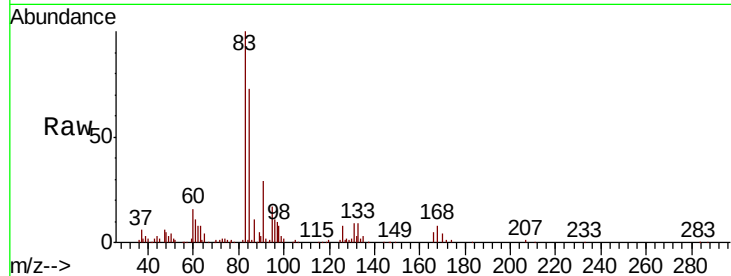
ClientSampleId :

VF1004SBS01

Tot Ion	83	Resp	74046
Ion Ratio	100	Lower	Upper
83	100		
131	8.7	4.0	12.0
85	73.0	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 23.027 ug/l

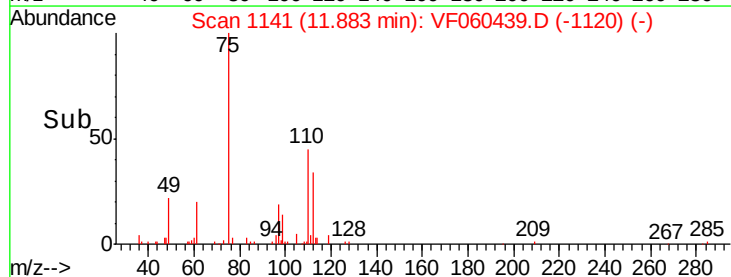
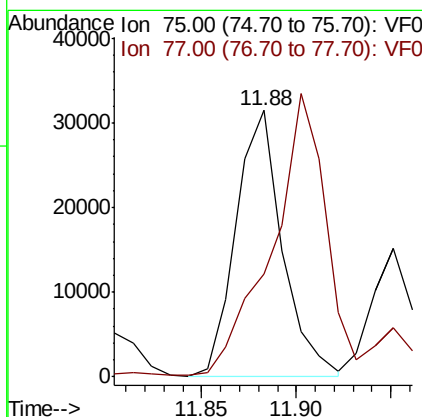
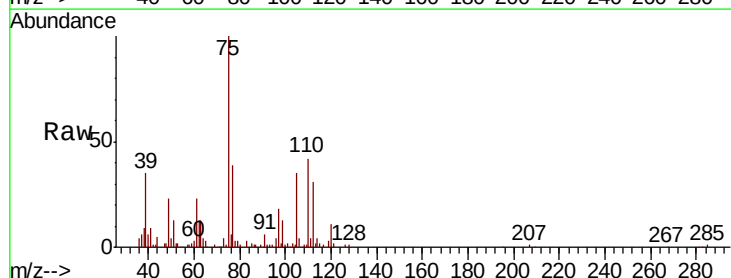
RT: 11.88 min Scan# 1141

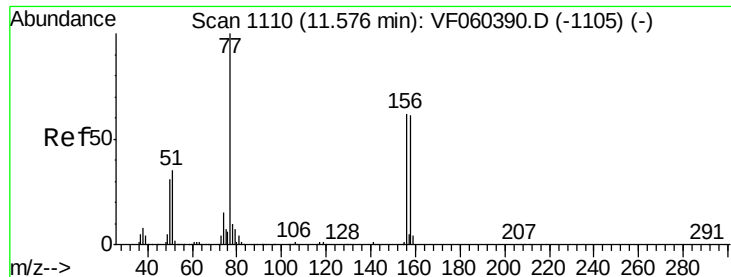
Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion	75	Resp	53605
Ion Ratio	100	Lower	Upper
75	100		
77	38.6	18.1	54.4





#77

Bromobenzene

Concen: 22.460 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

ClientSampleId :

VF1004SBS01

Tot Ion:156 Resp: 87077

Ion Ratio Lower Upper

156 100

77 163.7 81.3 243.9

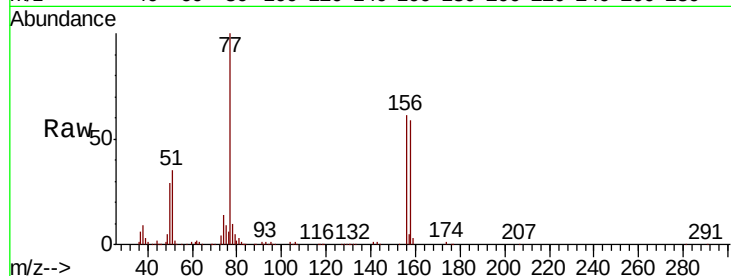
158 96.6 49.6 149.0

Manual Integrations

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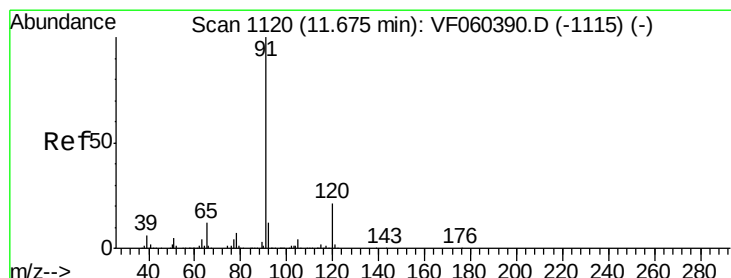
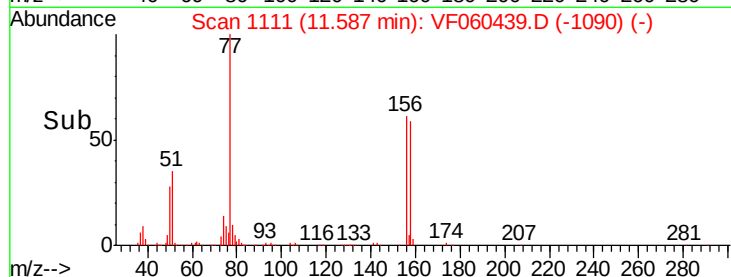
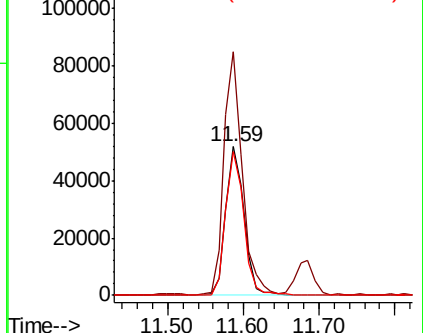
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.712 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060439.D

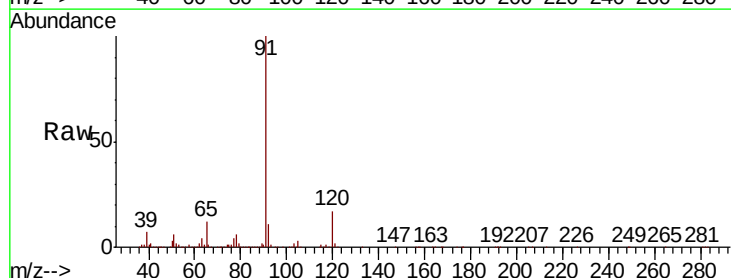
Acq: 4 Oct 2018 16:48

Tgt Ion: 91 Resp: 477548

Ion Ratio Lower Upper

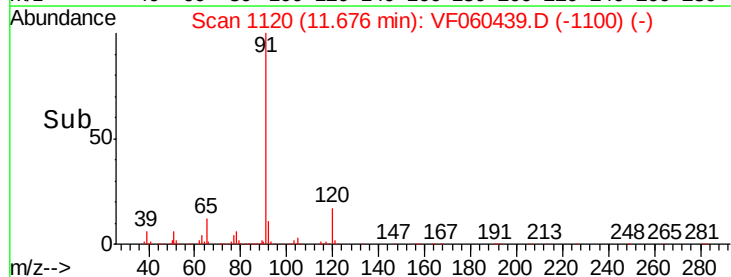
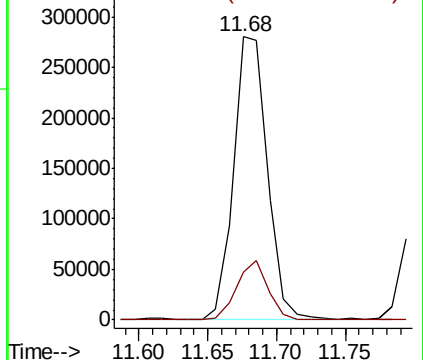
91 100

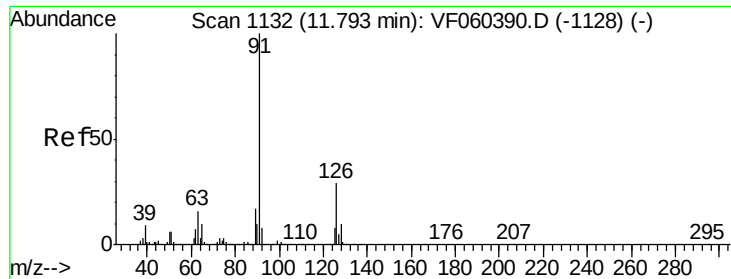
120 17.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





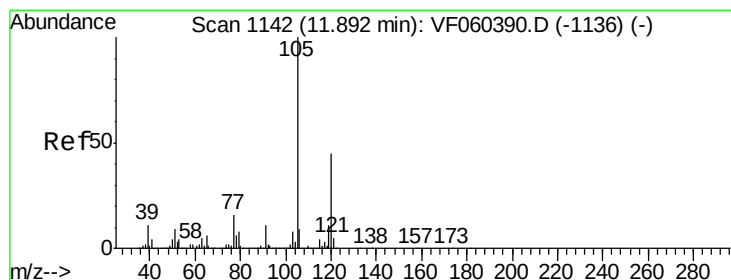
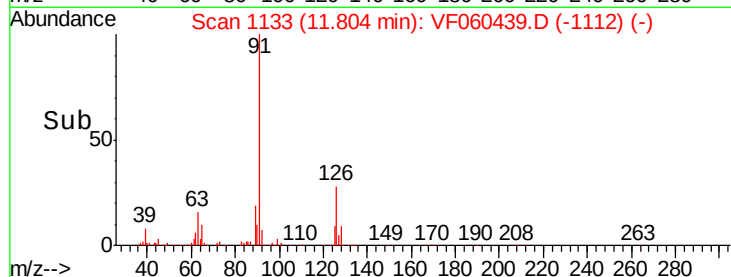
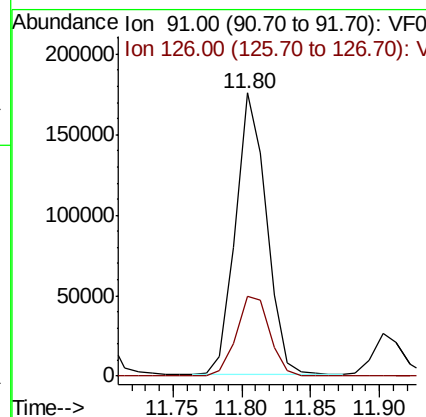
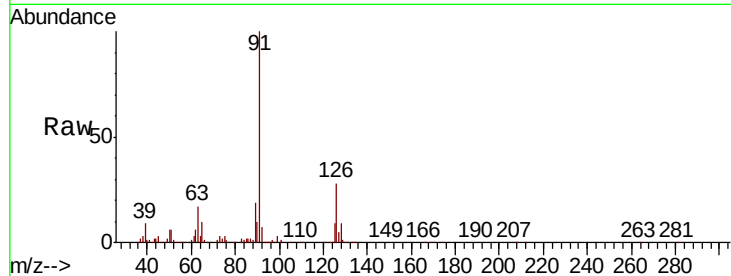
#79
 2-Chlorotoluene
 Concen: 22.319 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.4	43.4

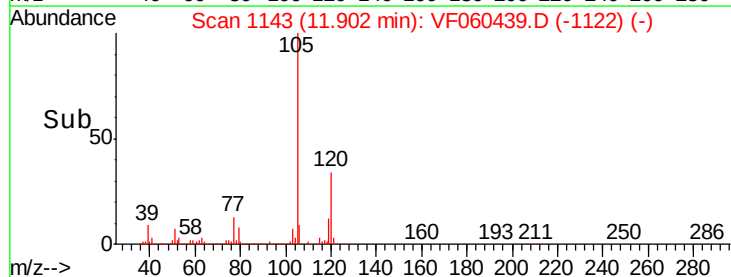
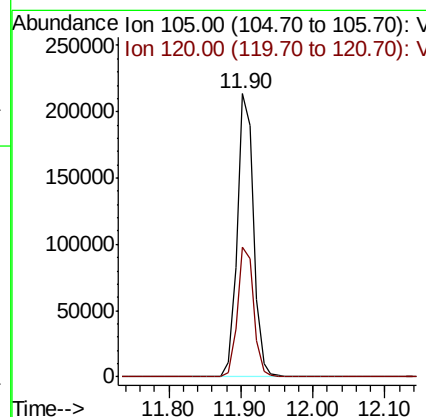
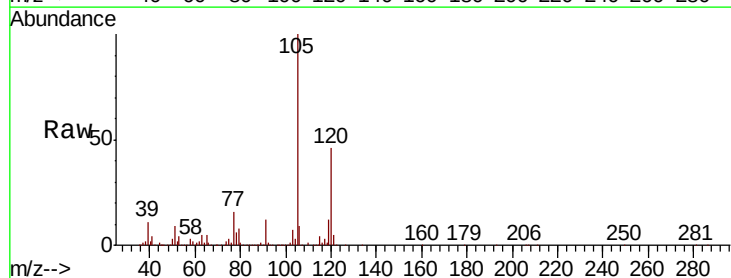
Manual Integrations
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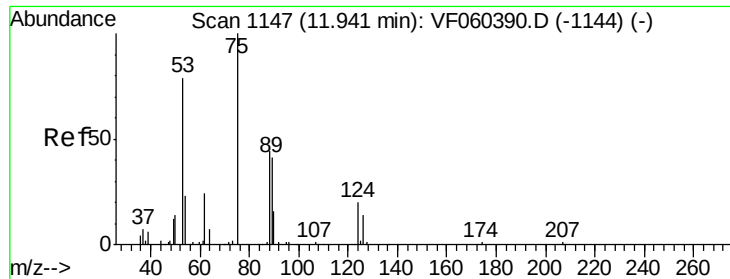
apatel
 10/5/2018 12:26:27 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.985 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 23.875 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

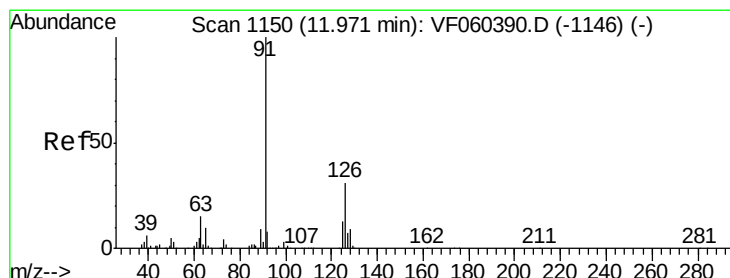
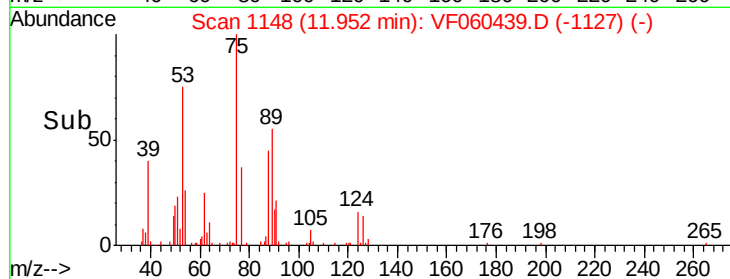
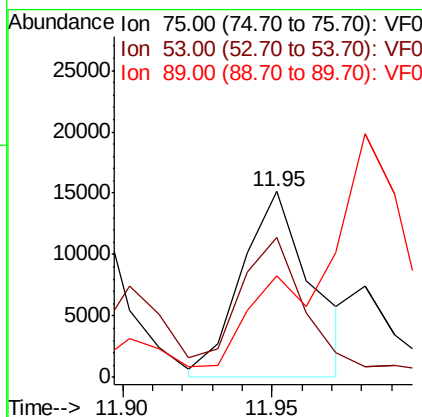
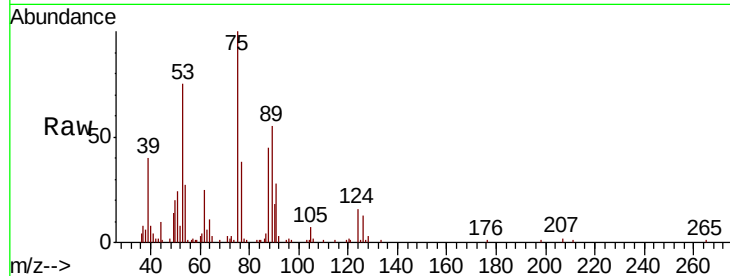
ClientSampleId :

VF1004SBS01

Tot Ion:	75	Resp:	24637
Ion	Ratio	Lower	Upper
75	100		
53	75.0	67.8	101.8
89	54.9	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.730 ug/l

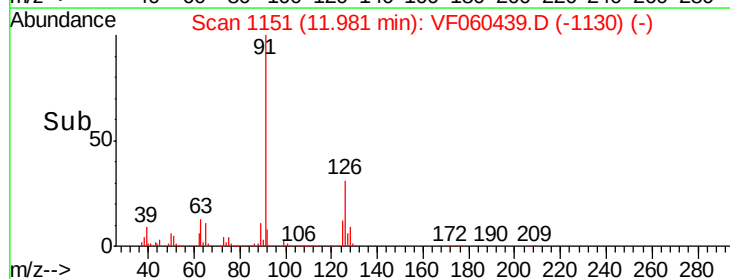
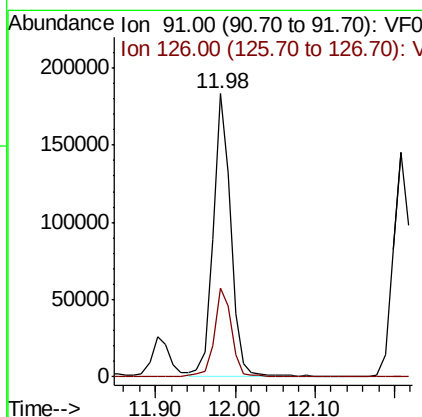
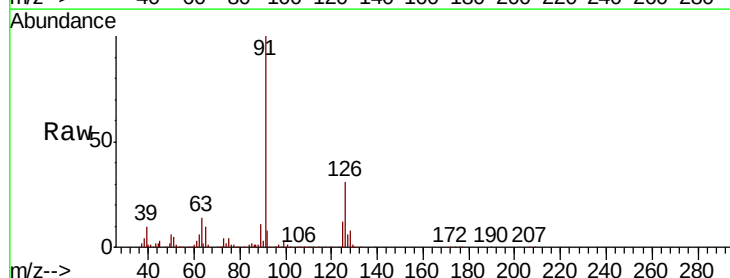
RT: 11.98 min Scan# 1151

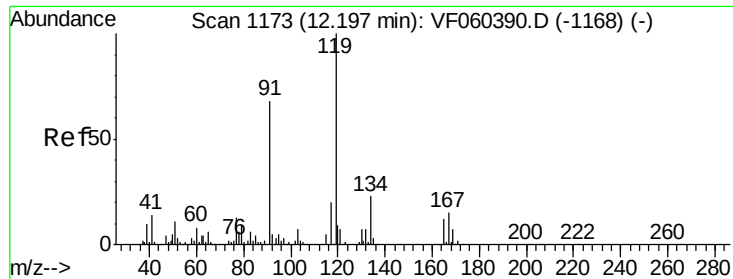
Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	91	Resp:	286044
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





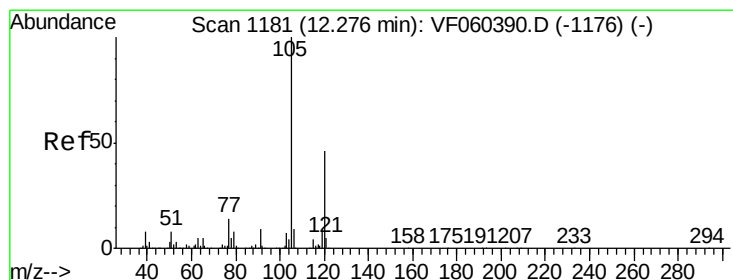
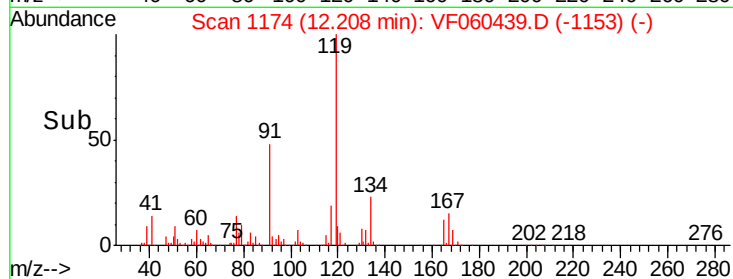
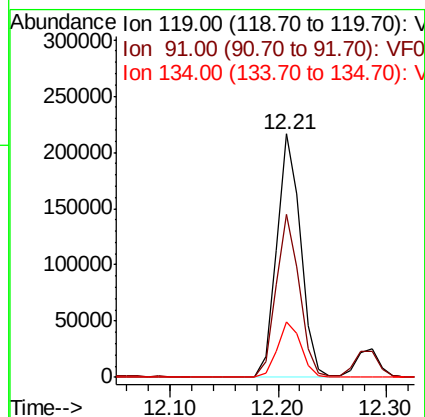
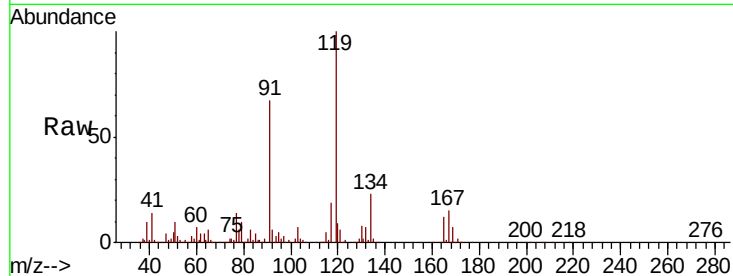
#83
tert-Butylbenzene
Concen: 23.149 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	34.0	102.0
134	22.8	11.7	35.0

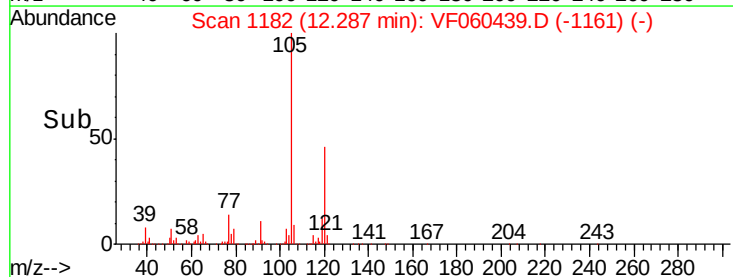
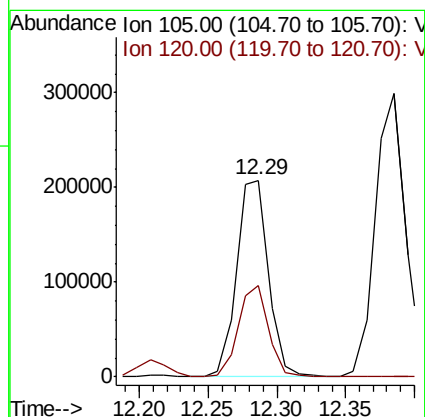
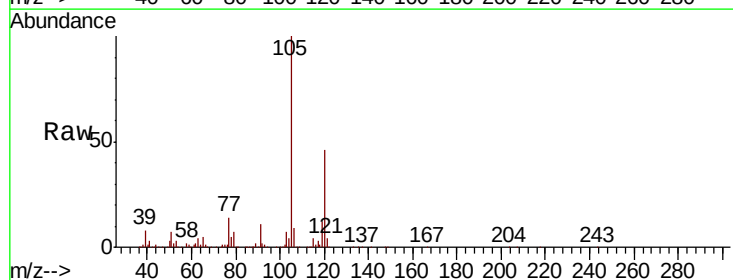
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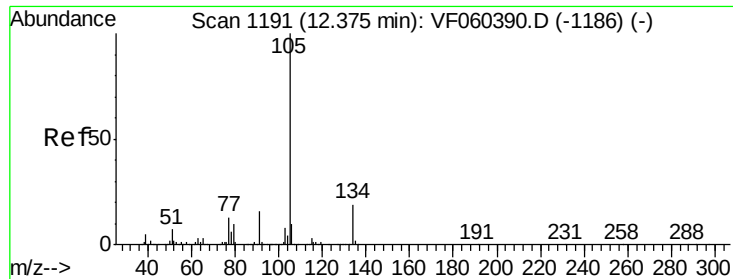
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#84
1,2,4-Trimethylbenzene
Concen: 22.830 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





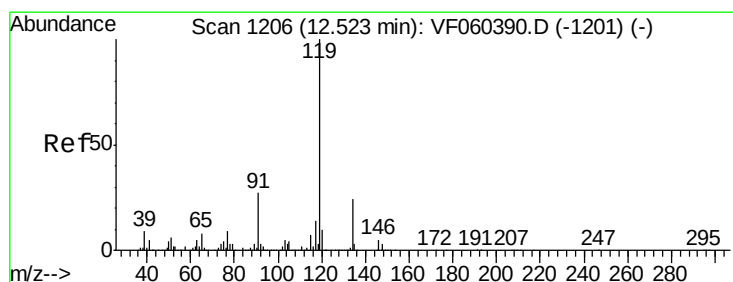
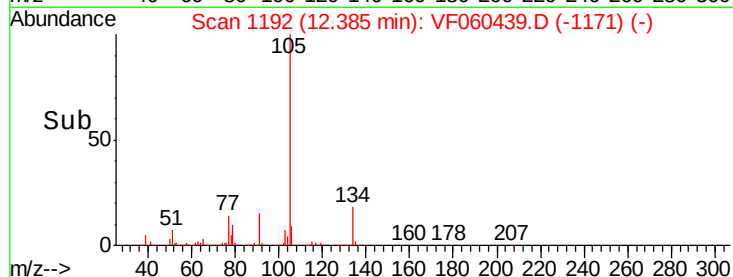
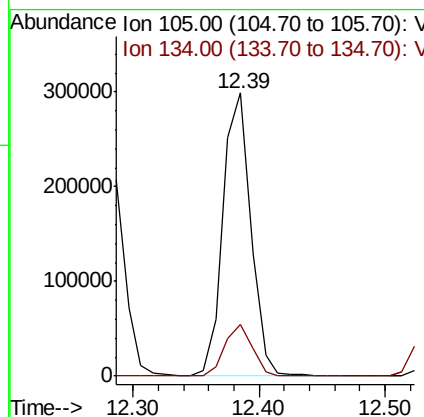
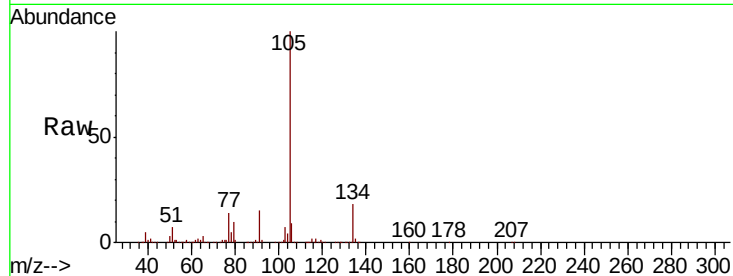
#85
 sec-Butylbenzene
 Concen: 22.798 ug/l
 RT: 12.39 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion:105 Resp: 457372
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.4 28.3

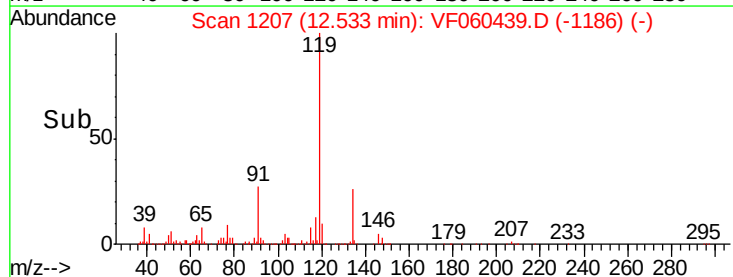
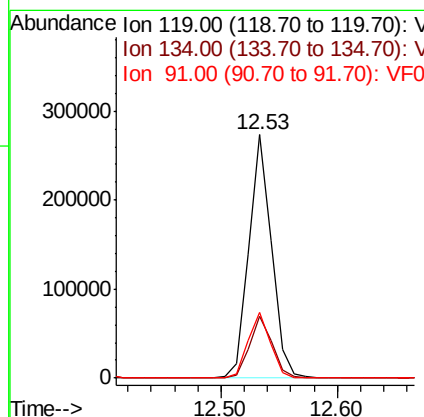
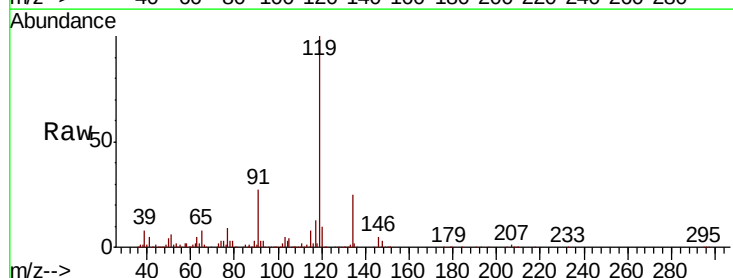
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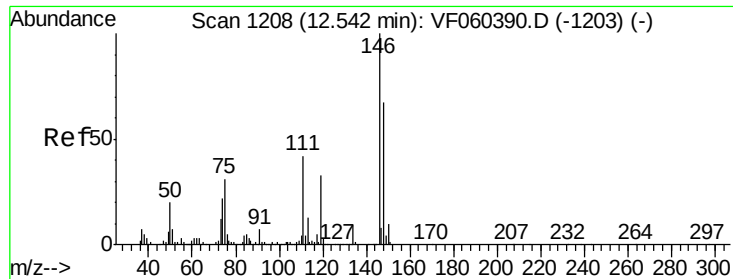
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#86
 p-Isopropyltoluene
 Concen: 22.567 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion:119 Resp: 369864
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.3 36.8
 91 27.0 13.5 40.4





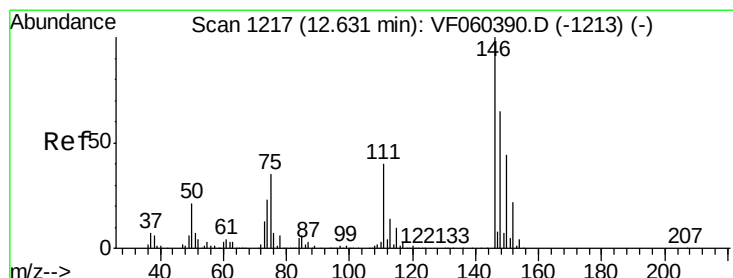
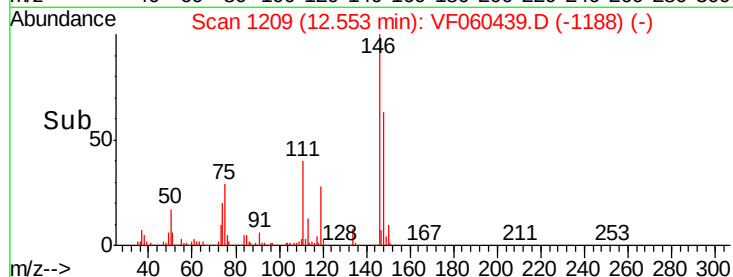
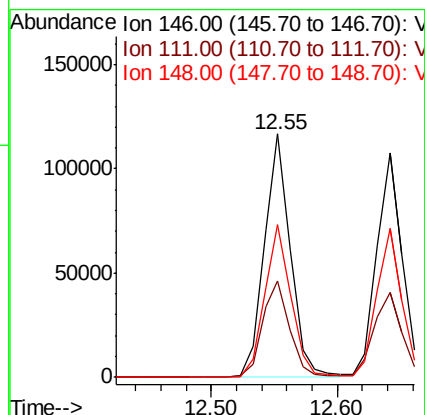
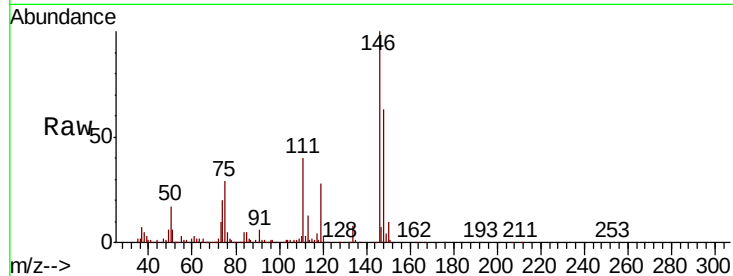
#87
 1,3-Dichlorobenzene
 Concen: 23.088 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.9	62.7
148	62.5	33.6	100.8

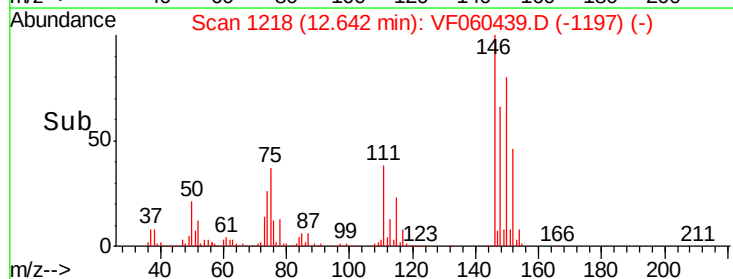
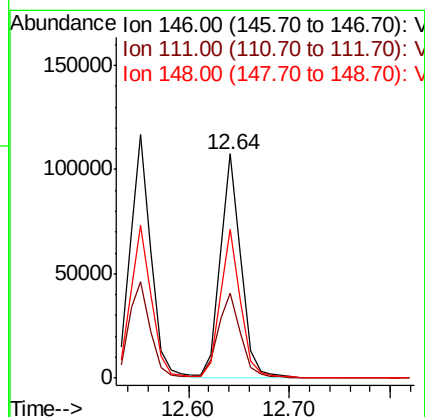
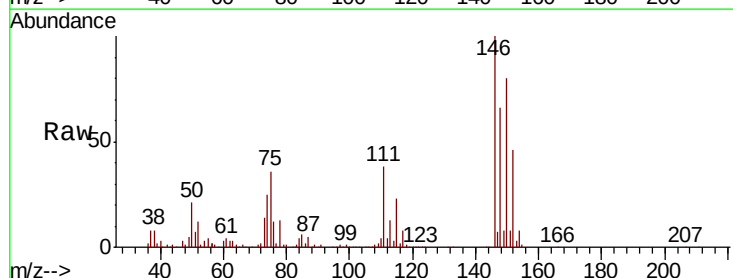
Manual Integrations
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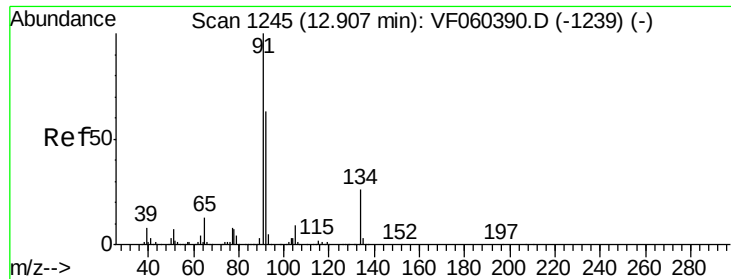
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#88
 1,4-Dichlorobenzene
 Concen: 21.656 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.2	60.6
148	66.3	32.6	97.8





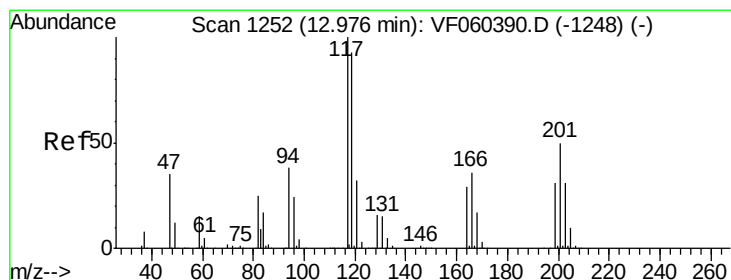
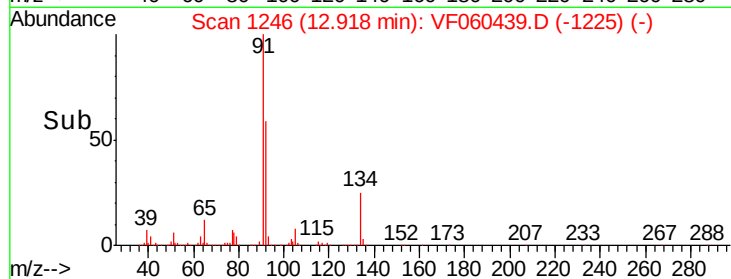
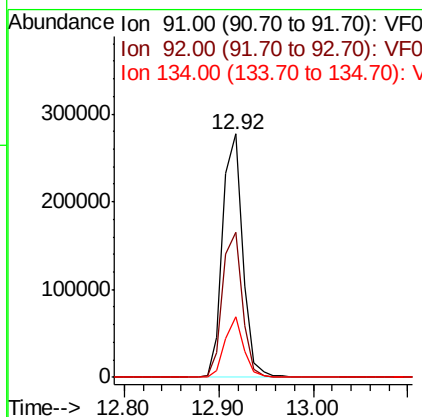
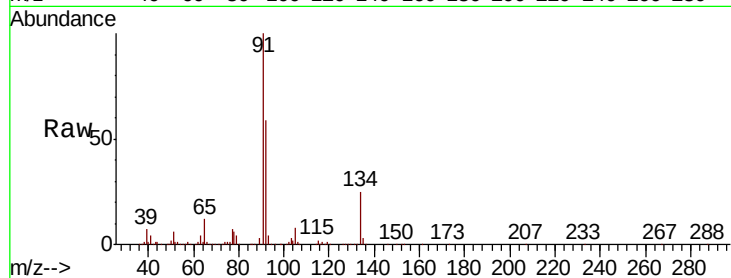
#89
n-Butylbenzene
Concen: 23.506 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Instrument :
MSVOA_F
ClientSampleId :
VF1004SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	31.3	93.9
134	24.6	13.0	38.9

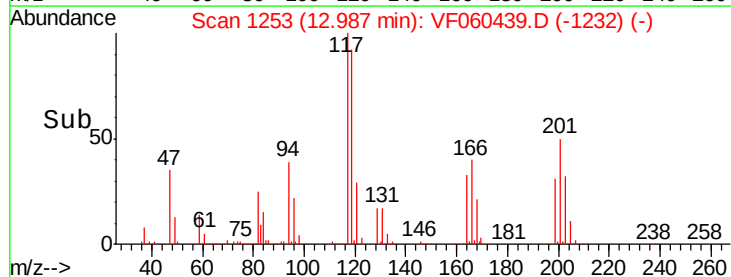
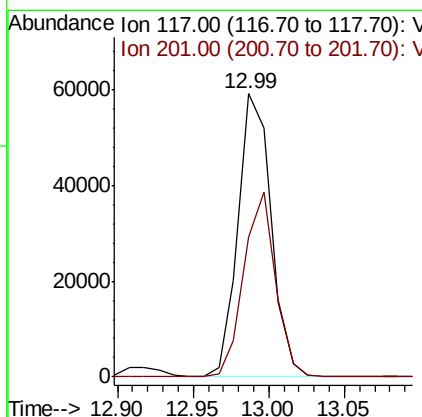
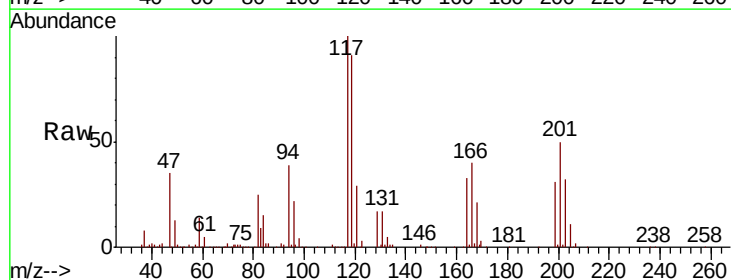
Manual Integrations
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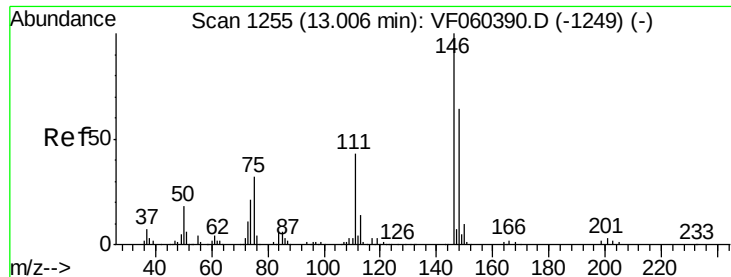
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#90
Hexachloroethane
Concen: 21.256 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060439.D
Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	49.5	25.5	76.5





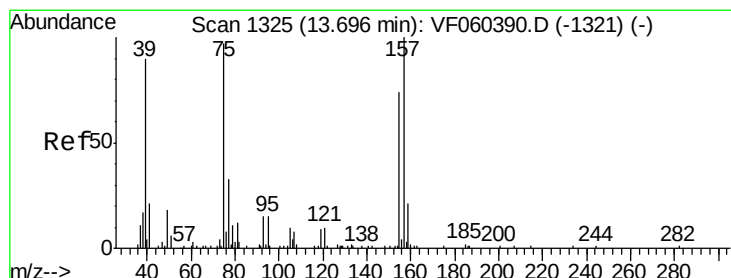
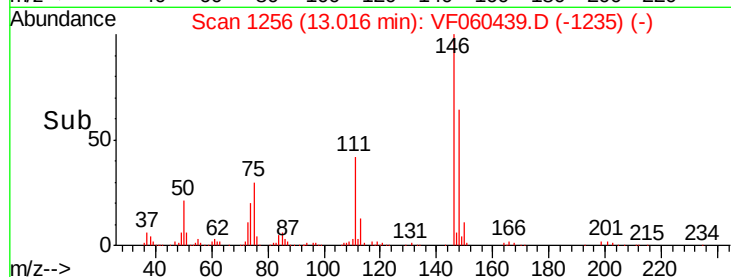
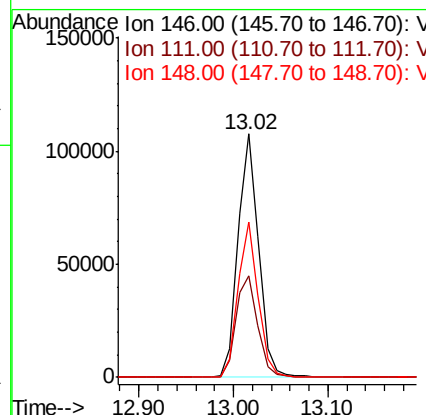
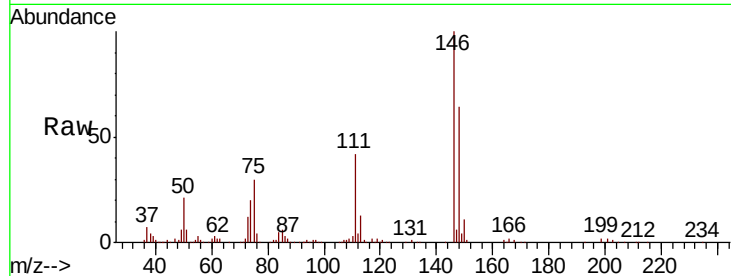
#91
 1,2-Dichlorobenzene
 Concen: 23.307 ug/l
 RT: 13.02 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	64.0
148	63.6	32.2	96.6

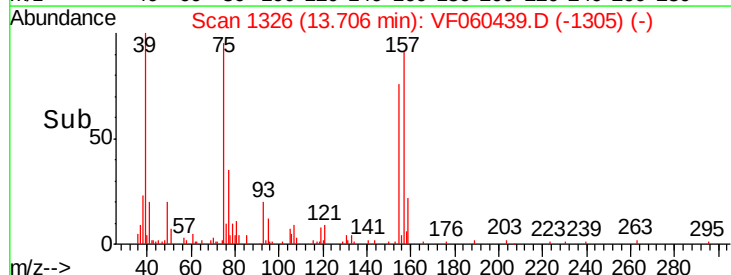
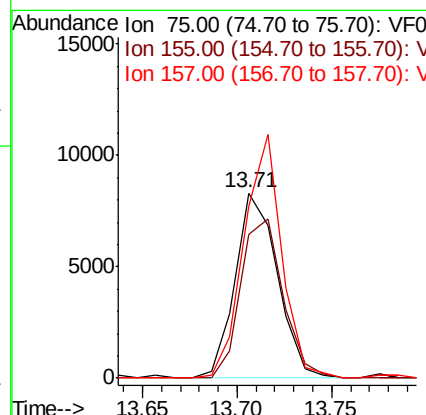
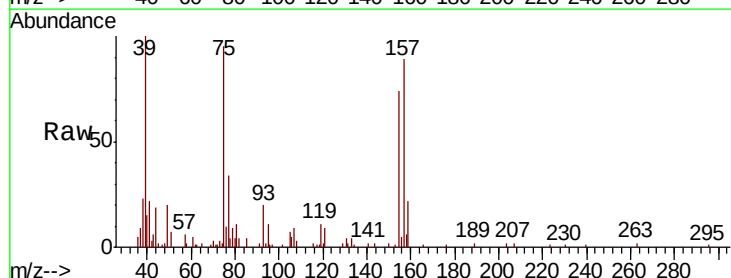
Manual Integrations
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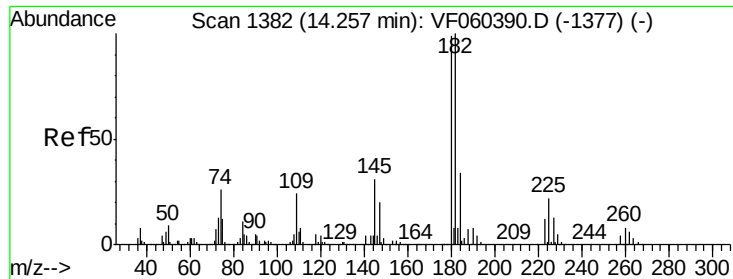
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.975 ug/l
 RT: 13.71 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.9	113.6
157	93.3	51.3	154.0





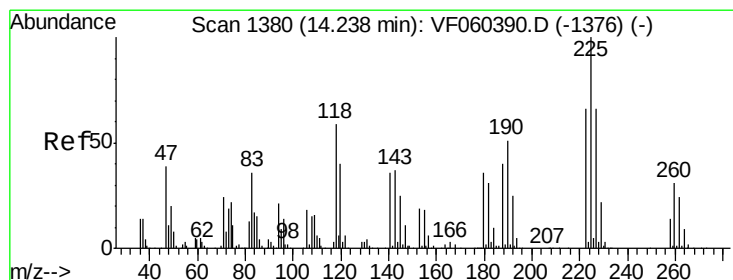
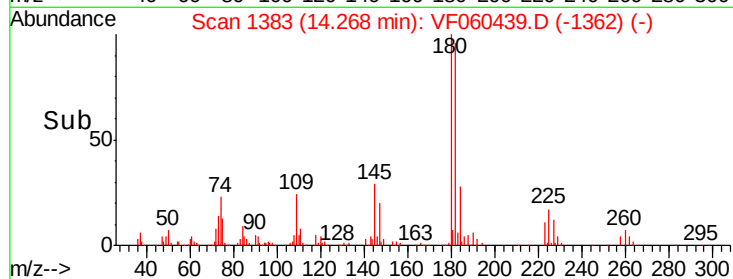
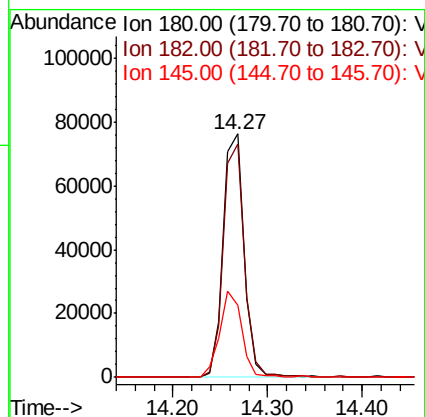
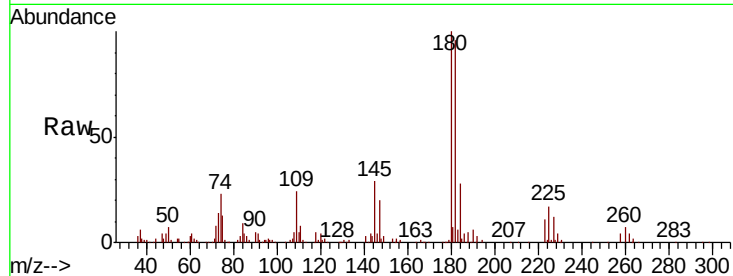
#93
 1,2,4-Trichlorobenzene
 Concen: 22.498 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	50.3	150.9	
145	29.5	15.5	46.5	

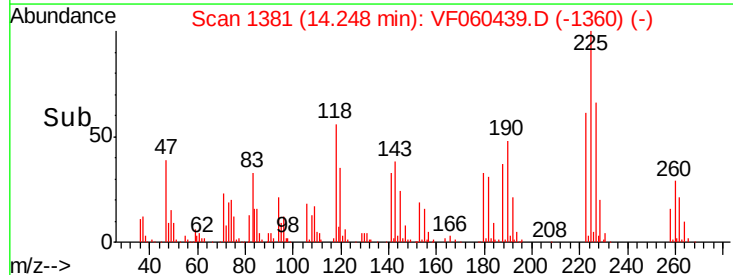
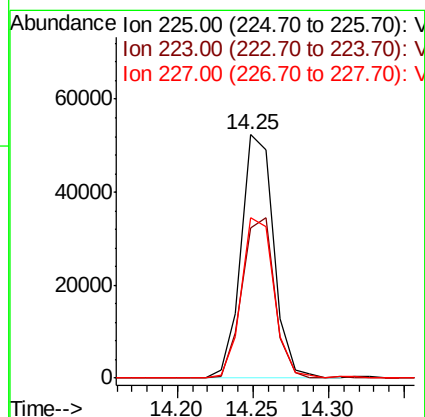
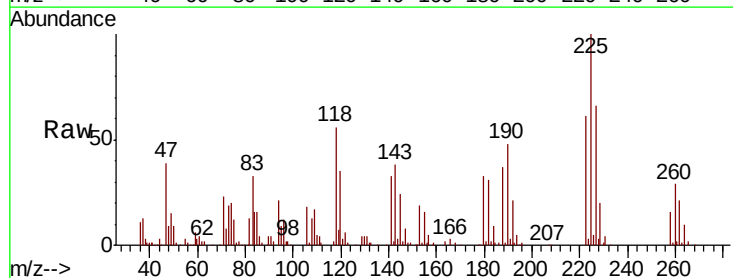
Manual Integrations
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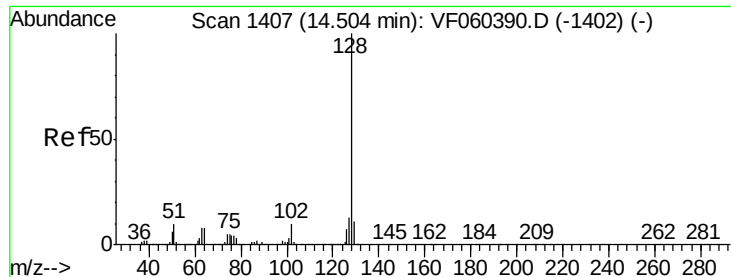
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.512 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060439.D
 Acq: 4 Oct 2018 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	32.8	98.4	
227	65.7	33.0	99.0	





#95

Naphthalene

Concen: 21.846 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.02 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Instrument :

MSVOA_F

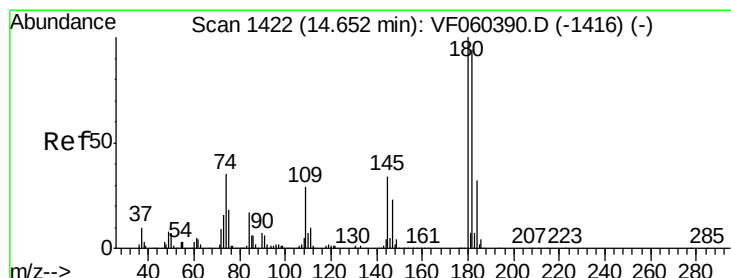
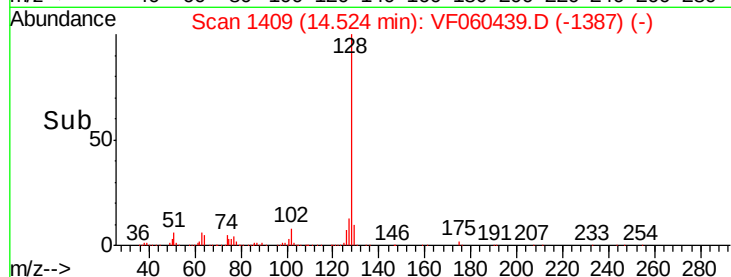
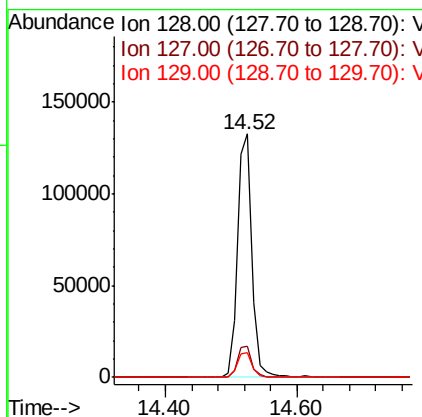
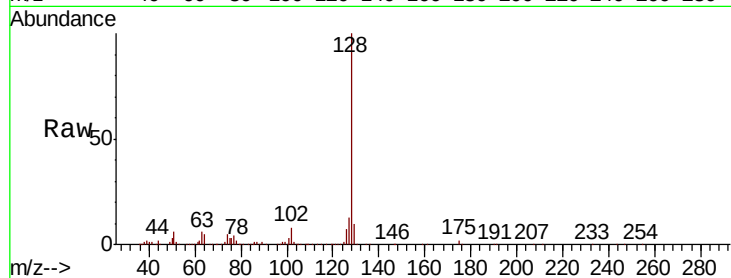
ClientSampleId :

VF1004SBS01

Tot Ion:	128	Resp:	204071
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.0	15.0
129	10.4	8.7	13.1

Manual Integrations
APPROVED

apatel
10/5/2018 12:26:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.338 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.01 min

Lab File: VF060439.D

Acq: 4 Oct 2018 16:48

Tgt Ion:	180	Resp:	109402
Ion Ratio	Lower	Upper	
180	100		
182	100.7	46.8	140.3
145	33.5	16.9	50.6

