

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

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 02 14:08:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	311202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	508742	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	458635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	250149	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	234191	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	4.27	113	233503	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	7.69	98	620514	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.50	95	260590	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	278981	40.655	ug/l	98
3) Chloromethane	1.13	50	196470	46.493	ug/l	100
4) Vinyl Chloride	1.18	62	200993	45.722	ug/l	97
5) Bromomethane	1.35	94	146635	43.064	ug/l	100
6) Chloroethane	1.43	64	101034	46.056	ug/l	92
7) Trichlorofluoromethane	1.52	101	434968	42.647	ug/l	92
8) Diethyl Ether	1.69	74	57010	40.787	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	209753	42.934	ug/l	97
10) Methyl Iodide	1.97	142	351669	47.202	ug/l	85
11) Tert butyl alcohol	2.67	59	75187	255.262	ug/l #	83
12) 1,1-Dichloroethene	1.86	96	182256	48.282	ug/l	85
13) Acrolein	2.08	56	53724	226.800	ug/l	100
14) Allyl chloride	2.18	41	298795	49.399	ug/l	89
15) Acrylonitrile	3.06	53	130207	257.985	ug/l	87
16) Acetone	2.33	43	285221	287.957	ug/l	96
17) Carbon Disulfide	1.88	76	543740	47.569	ug/l	96
18) Methyl Acetate	2.44	43	89597	48.918	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	428134	46.566	ug/l	94
20) Methylene Chloride	2.27	84	74754	17.402	ug/l	89
21) trans-1,2-Dichloroethene	2.40	96	183562	48.690	ug/l	96
22) Diisopropyl ether	2.91	45	562630	51.247	ug/l #	95
23) Vinyl Acetate	3.32	43	1175422	269.519	ug/l	97
24) 1,1-Dichloroethane	2.99	63	366428	49.355	ug/l	100
25) 2-Butanone	4.49	43	348756	276.593	ug/l	95
26) 2,2-Dichloropropane	3.74	77	204809	48.706	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	224097	53.164	ug/l	91
28) Bromochloromethane	3.87	49	139686	51.050	ug/l	100
29) Tetrahydrofuran	4.23	42	132788	280.117	ug/l	99
30) Chloroform	4.02	83	433639	47.334	ug/l	99
31) Cyclohexane	3.84	56	284481	53.361	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	355203	46.594	ug/l	97
36) 1,1-Dichloropropene	4.44	75	323775	51.619	ug/l	98
37) Ethyl Acetate	4.27	43	125793	52.371	ug/l #	79
38) Carbon Tetrachloride	4.14	117	405767	53.146	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	338037	54.973	ug/l	94
40) Benzene	4.78	78	659736	52.983	ug/l	98
41) Methacrylonitrile	4.89	41	67700	53.158	ug/l	88
42) 1,2-Dichloroethane	5.10	62	284792	47.941	ug/l	96
43) Isopropyl Acetate	7.09	43	169191	58.287	ug/l #	95
44) Trichloroethene	5.65	130	206572	51.703	ug/l	93
45) 1,2-Dichloropropane	6.38	63	180828	54.531	ug/l	99
46) Dibromomethane	6.23	93	135567	50.848	ug/l	97
47) Bromodichloromethane	6.53	83	325027	49.223	ug/l	99
48) Methyl methacrylate	6.85	41	111239	53.387	ug/l	96
49) 1,4-Dioxane	6.85	88	21066	1172.568	ug/l	92
51) 4-Methyl-2-Pentanone	8.38	43	584252	282.757	ug/l	95
52) Toluene	7.76	92	438535	51.851	ug/l	96
53) t-1,3-Dichloropropene	8.40	75	260856	50.409	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	323851	53.548	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	133876	49.938	ug/l	91
56) Ethyl methacrylate	8.74	69	171308	56.235	ug/l	98
57) 1,3-Dichloropropane	8.98	76	236392	52.123	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	72732	233.742	ug/l #	100
59) 2-Hexanone	9.61	43	451100	297.642	ug/l	95
60) Dibromochloromethane	8.85	129	205187	50.834	ug/l	98
61) 1,2-Dibromoethane	9.11	107	155799	53.112	ug/l	93
64) Tetrachloroethene	8.28	164	186105	51.045	ug/l	96
65) Chlorobenzene	9.92	112	491605	52.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	205396	49.930	ug/l	93
67) Ethyl Benzene	10.02	91	915996	51.135	ug/l	99
68) m/p-Xylenes	10.26	106	634440	103.027	ug/l	88
69) o-Xylene	10.81	106	353025	52.594	ug/l	99
70) Styrene	10.89	104	487336	51.043	ug/l	96
71) Bromoform	10.88	173	115104	52.556	ug/l #	97
73) Isopropylbenzene	11.21	105	1019845	51.779	ug/l	98
74) N-amyl acetate	11.45	43	266234	58.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	187875	52.320	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	136344	51.575	ug/l	94
77) Bromobenzene	11.59	156	221640	50.341	ug/l	88
78) n-propylbenzene	11.67	91	1192711	49.951	ug/l	99
79) 2-Chlorotoluene	11.80	91	694870	49.749	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	839122	50.145	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.94	75	87068	74.299	ug/l	90
82) 4-Chlorotoluene	11.98	91	709976	49.680	ug/l	95
83) tert-Butylbenzene	12.21	119	839481	50.862	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	851555	51.312	ug/l	97
85) sec-Butylbenzene	12.37	105	1122630	49.277	ug/l	99
86) p-Isopropyltoluene	12.52	119	921566	49.513	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	404662	48.843	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	403067	49.338	ug/l	98
89) n-Butylbenzene	12.91	91	966829	49.089	ug/l	98
90) Hexachloroethane	12.99	117	245812	51.098	ug/l	78
91) 1,2-Dichlorobenzene	13.01	146	402183	50.664	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	36754	52.797	ug/l	99

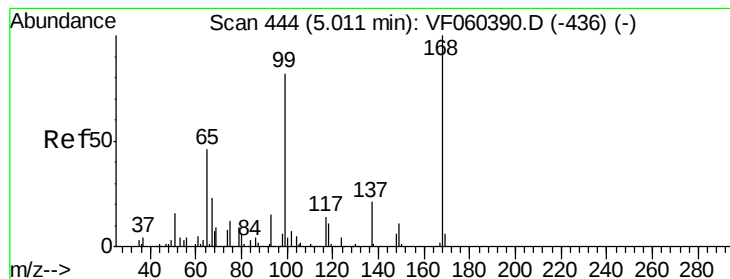
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285819	48.172	ug/l	97
94) Hexachlorobutadiene	14.25	225	193336	46.688	ug/l	97
95) Naphthalene	14.51	128	564399	53.203	ug/l	99
96) 1,2,3-Trichlorobenzene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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

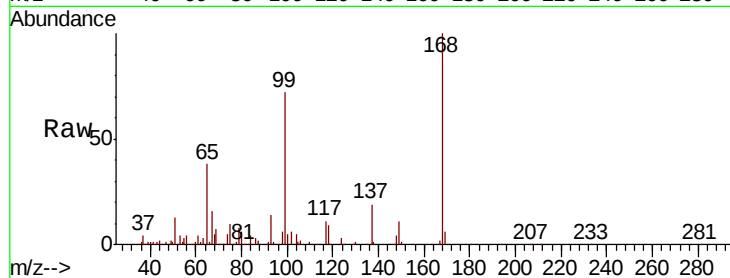
VSTDCCC050

Tot Ion:168 Resp: 311202

Ion Ratio Lower Upper

168 100

99 72.1 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

120000

100000

80000

60000

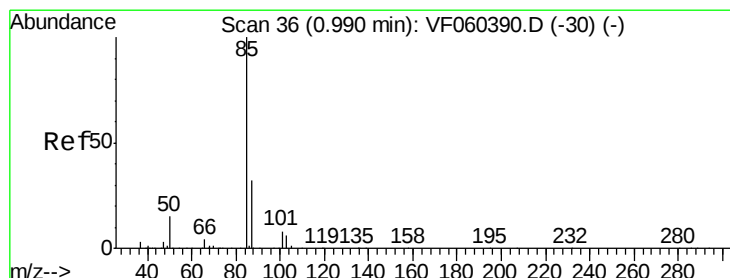
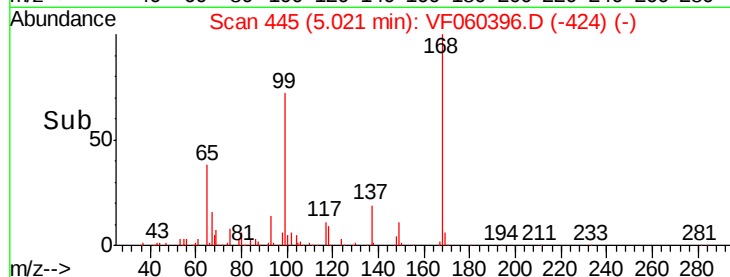
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 40.655 ug/l

RT: 0.99 min Scan# 36

Delta R.T. 0.00 min

Lab File: VF060396.D

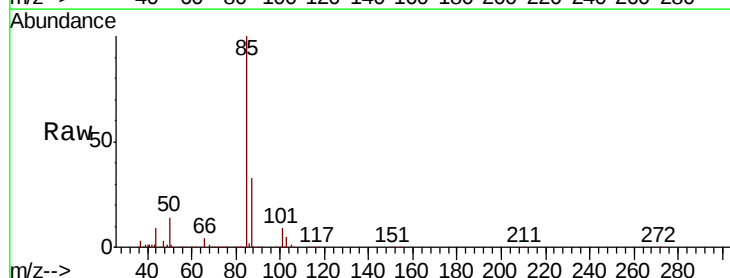
Acq: 2 Oct 2018 11:38

Tgt Ion: 85 Resp: 278981

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

100000

80000

60000

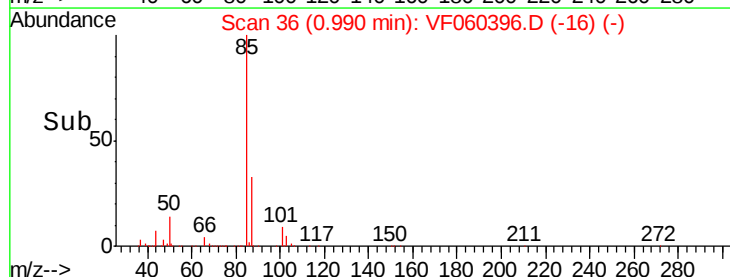
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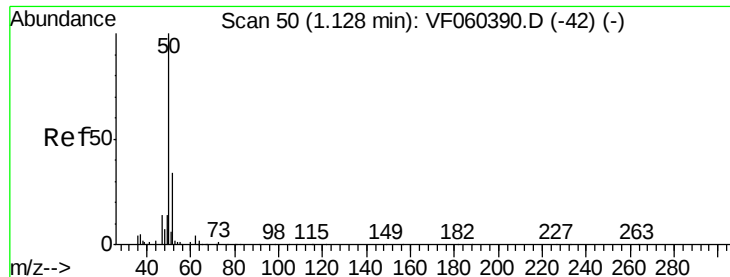
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 46.493 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

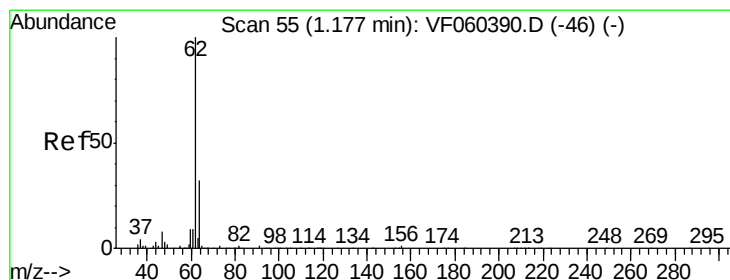
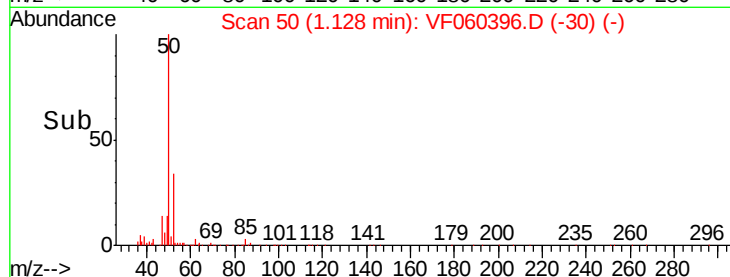
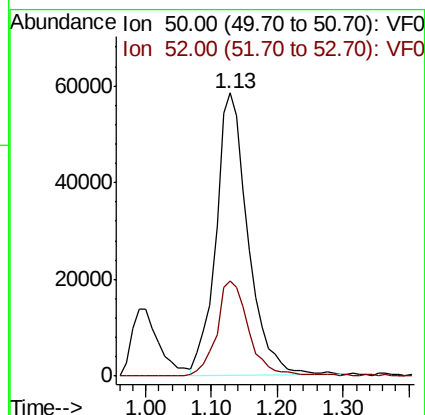
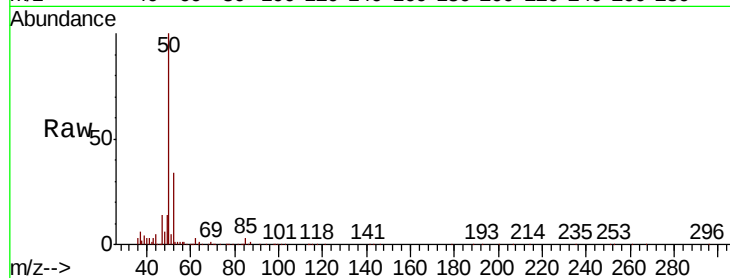
VSTDCCC050

Tot Ion: 50 Resp: 196470

Ion Ratio Lower Upper

50 100

52 33.7 26.9 40.3



#4

Vinyl Chloride

Concen: 45.722 ug/l

RT: 1.18 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060396.D

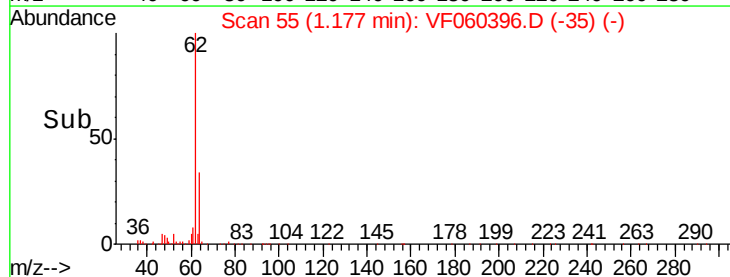
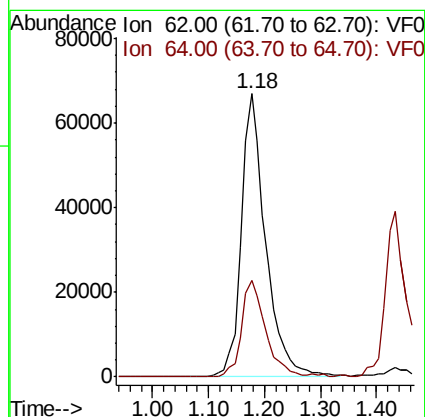
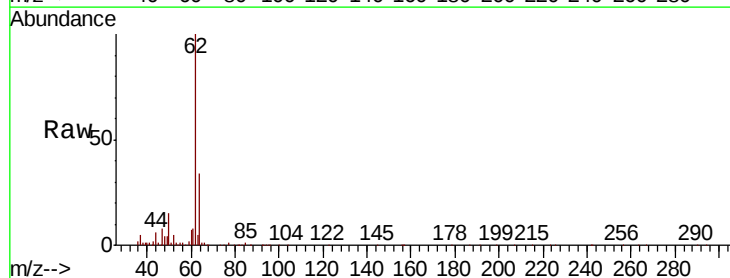
Acq: 2 Oct 2018 11:38

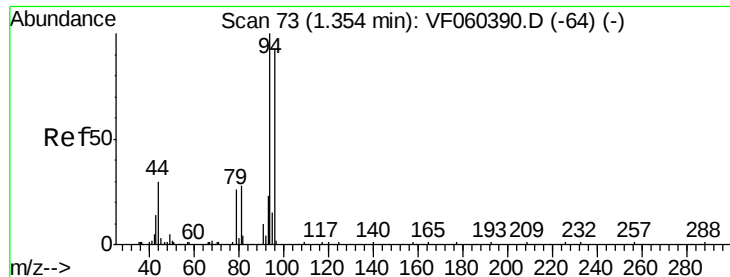
Tgt Ion: 62 Resp: 200993

Ion Ratio Lower Upper

62 100

64 34.0 25.8 38.6





#5

Bromomethane

Concen: 43.064 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

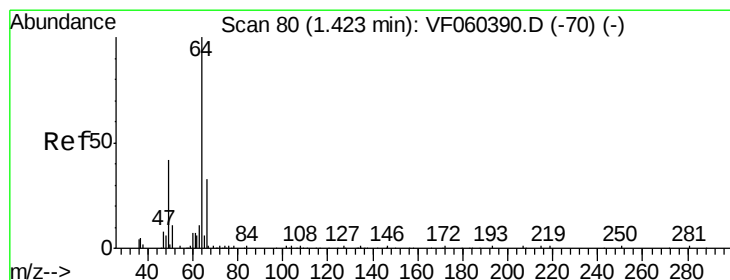
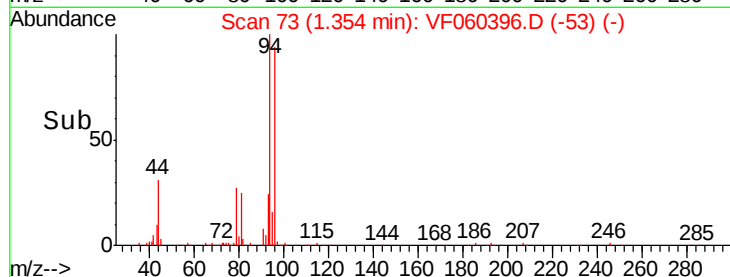
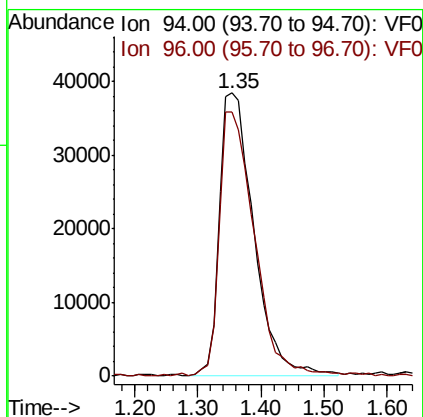
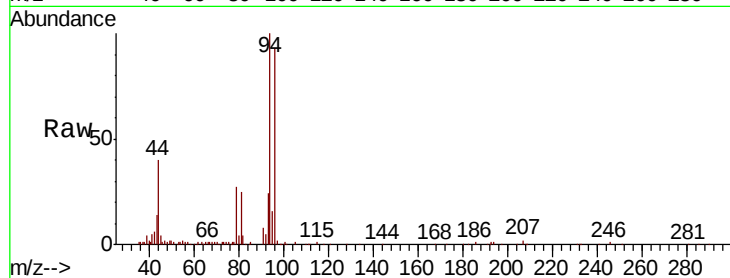
VSTDCCC050

Tot Ion: 94 Resp: 146635

Ion Ratio Lower Upper

94 100

96 93.3 74.3 111.5



#6

Chloroethane

Concen: 46.056 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060396.D

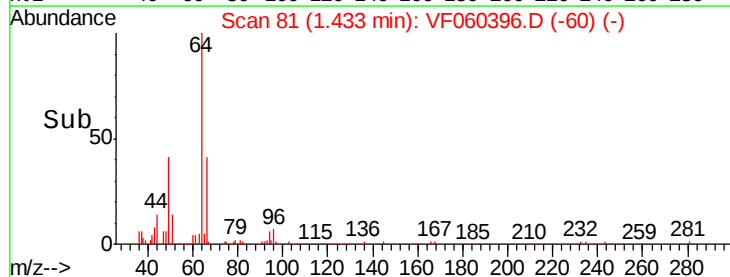
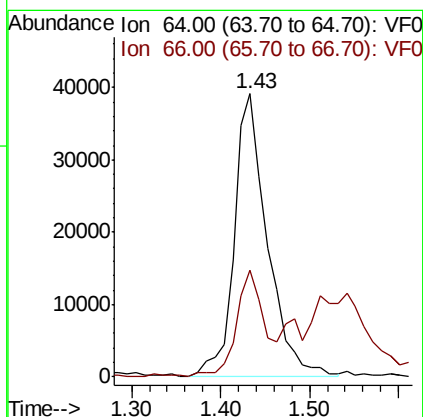
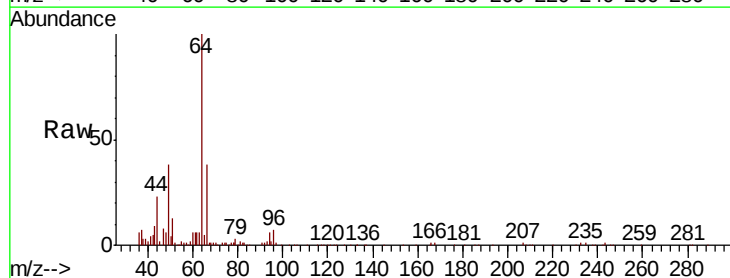
Acq: 2 Oct 2018 11:38

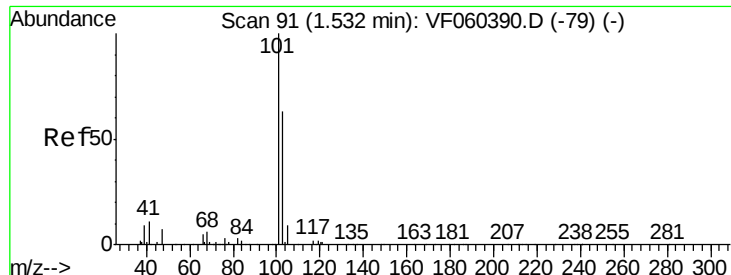
Tgt Ion: 64 Resp: 101034

Ion Ratio Lower Upper

64 100

66 37.6 26.3 39.5





#7

Trichlorofluoromethane

Concen: 42.647 ug/l

RT: 1.52 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

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ClientSampleId :

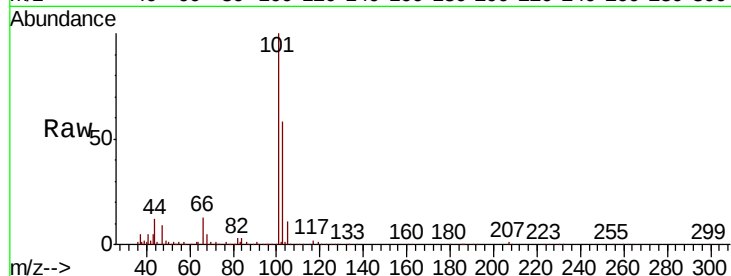
VSTDCCC050

Tot Ion:101 Resp: 434968

Ion Ratio Lower Upper

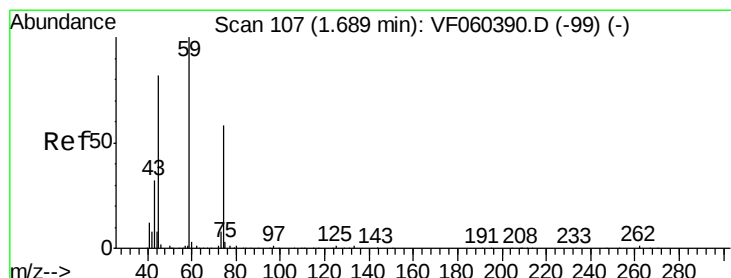
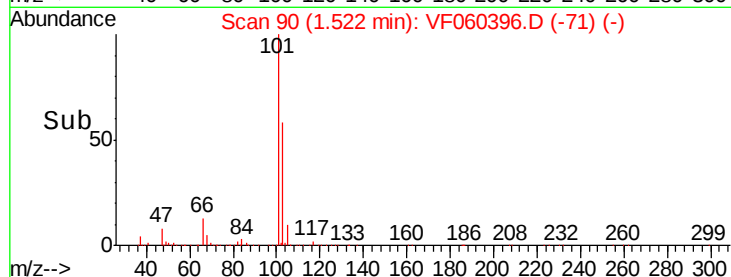
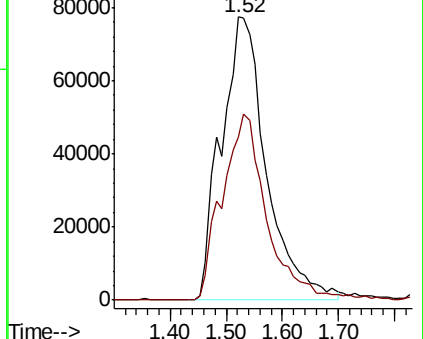
101 100

103 57.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 40.787 ug/l

RT: 1.69 min Scan# 107

Delta R.T. 0.00 min

Lab File: VF060396.D

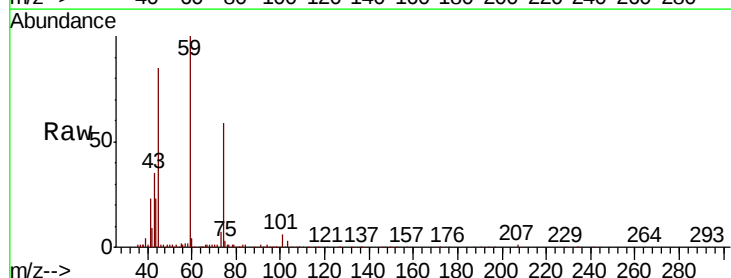
Acq: 2 Oct 2018 11:38

Tgt Ion: 74 Resp: 57010

Ion Ratio Lower Upper

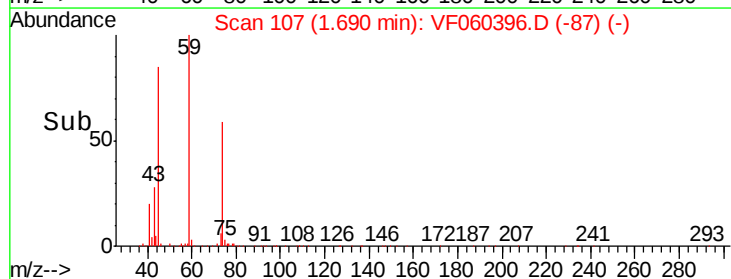
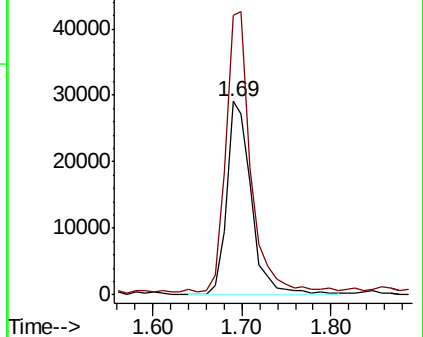
74 100

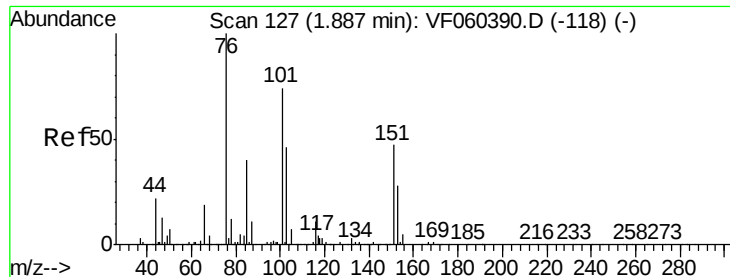
45 144.7 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.934 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

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ClientSampleId :

VSTDCCC050

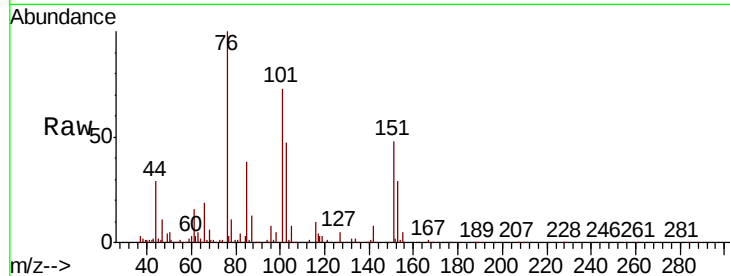
Tot Ion:101 Resp: 209753

Ion Ratio Lower Upper

101 100

85 51.8 42.5 63.7

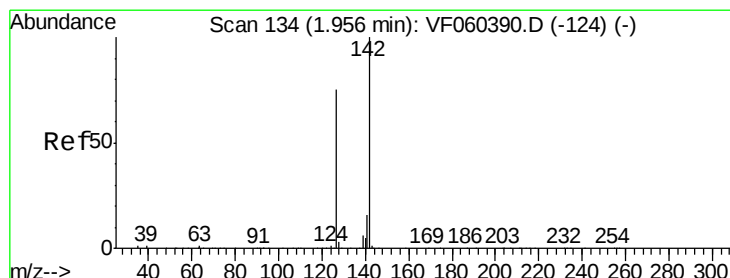
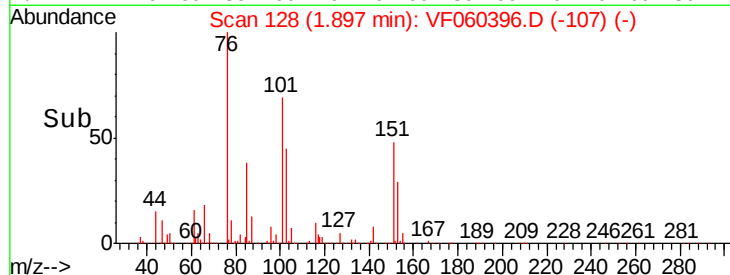
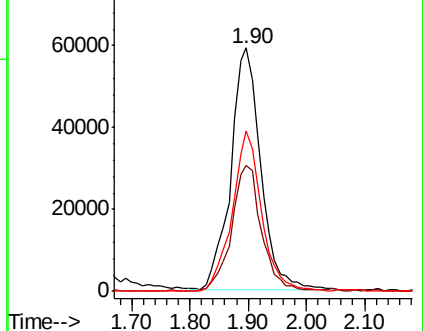
151 65.8 49.8 74.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.202 ug/l

RT: 1.97 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

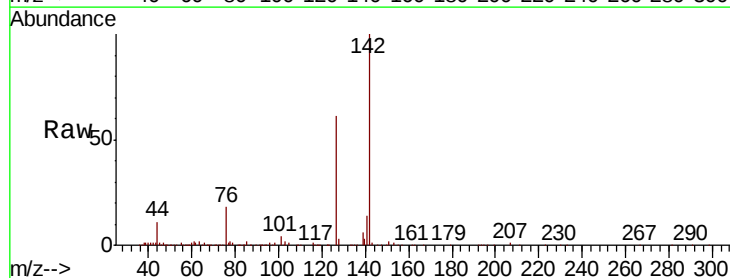
Tgt Ion:142 Resp: 351669

Ion Ratio Lower Upper

142 100

127 60.8 60.2 90.2

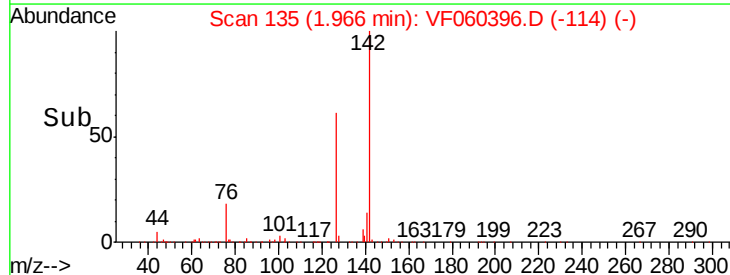
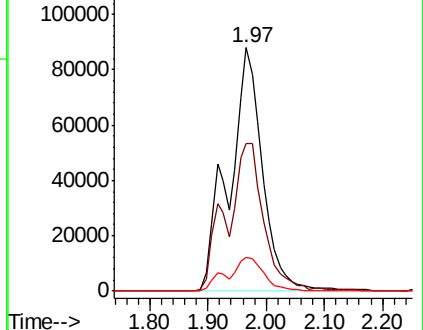
141 14.1 13.1 19.7

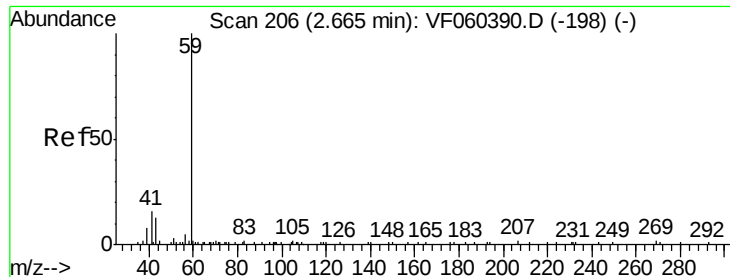


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



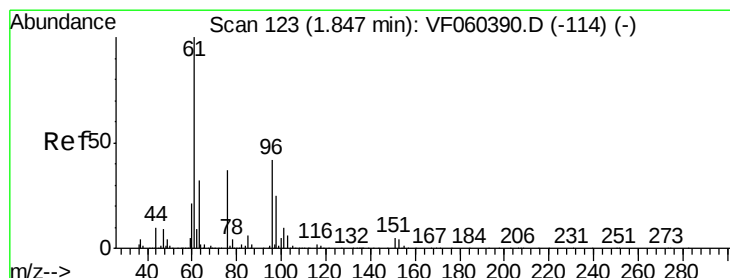
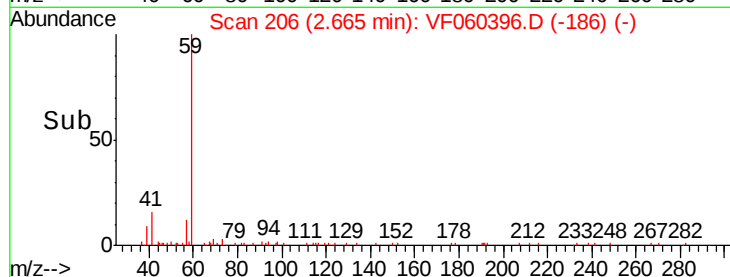
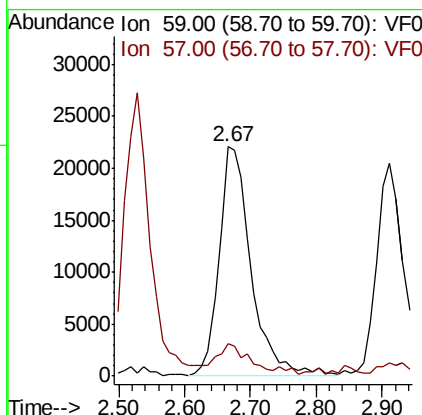
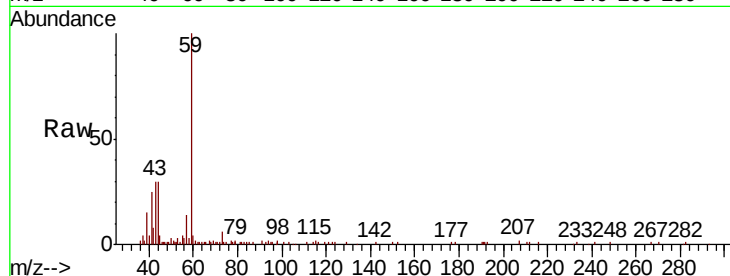


#11

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

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

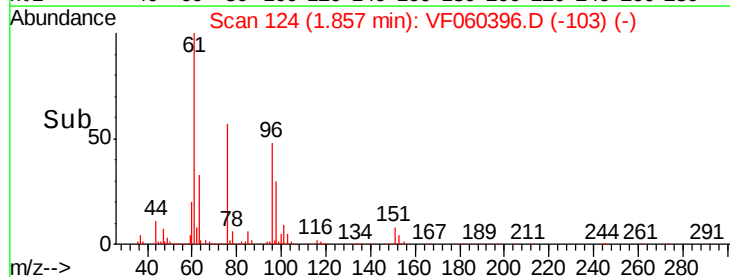
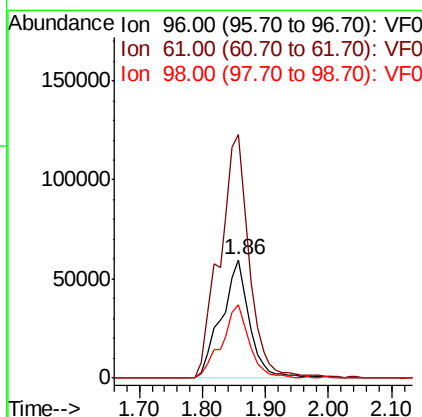
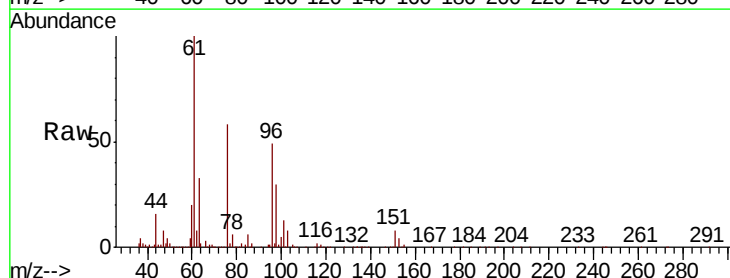
Tot Ion: 59 Resp: 75187
Ion Ratio Lower Upper
59 100
57 14.1 6.5 9.7#

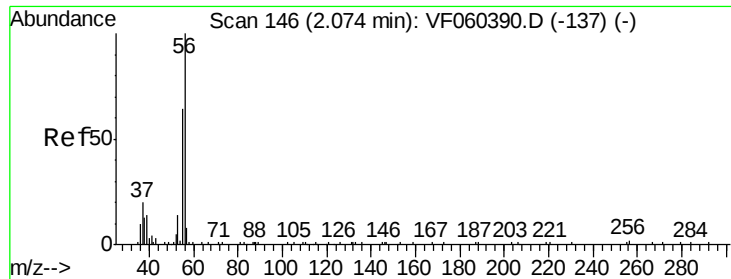


#12

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

Tgt Ion: 96 Resp: 182256
Ion Ratio Lower Upper
96 100
61 205.7 189.4 284.0
98 61.6 47.8 71.6





#13

Acrolein

Concen: 226.800 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

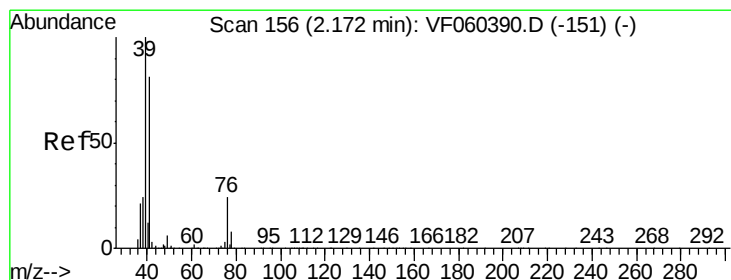
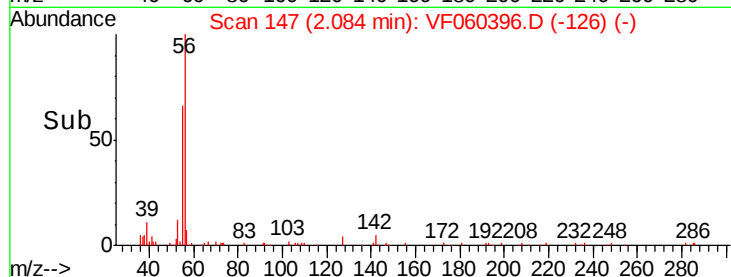
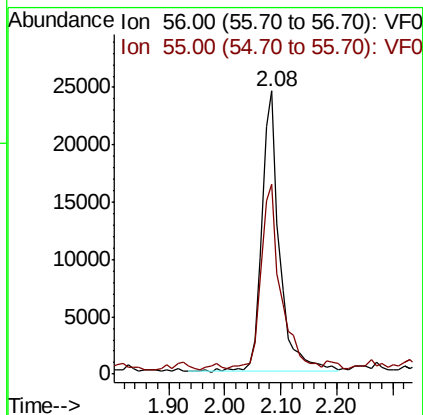
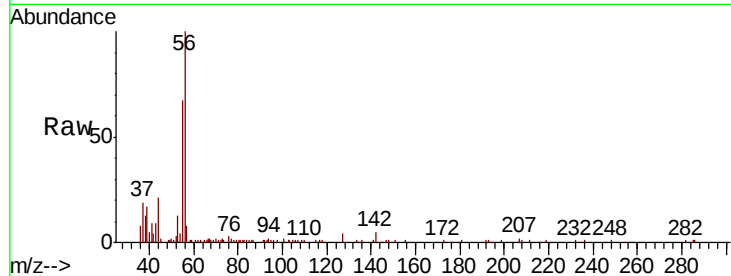
VSTDCCC050

Tot Ion: 56 Resp: 53724

Ion Ratio Lower Upper

56 100

55 67.1 53.9 80.9



#14

Allyl chloride

Concen: 49.399 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

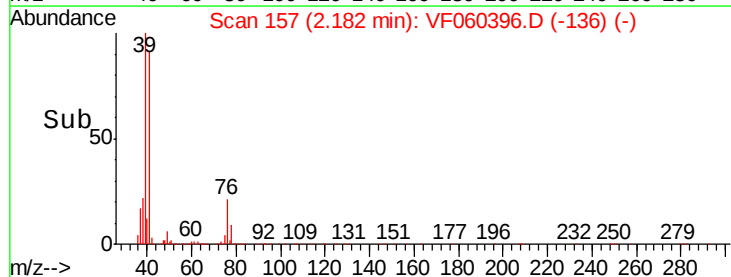
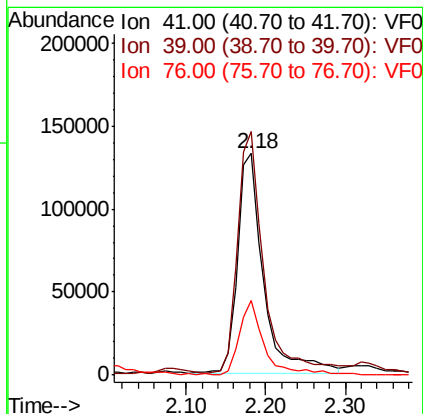
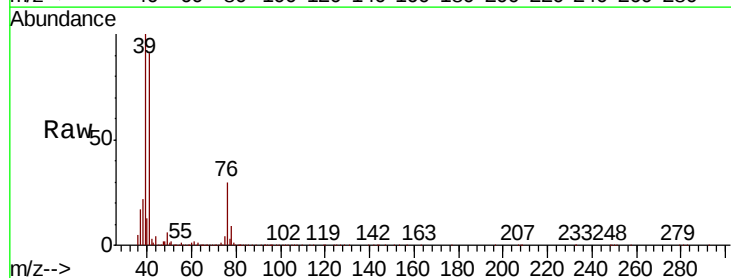
Tgt Ion: 41 Resp: 298795

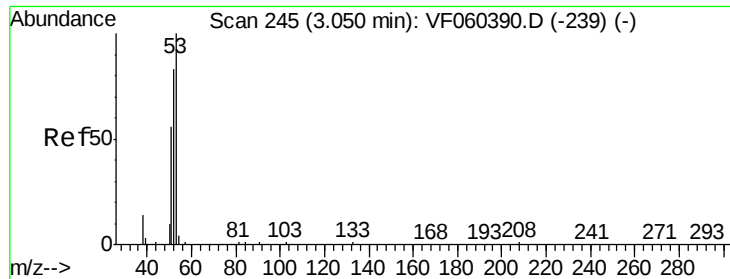
Ion Ratio Lower Upper

41 100

39 109.9 98.3 147.5

76 33.5 23.9 35.9





#15

Acrylonitrile

Concen: 257.985 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

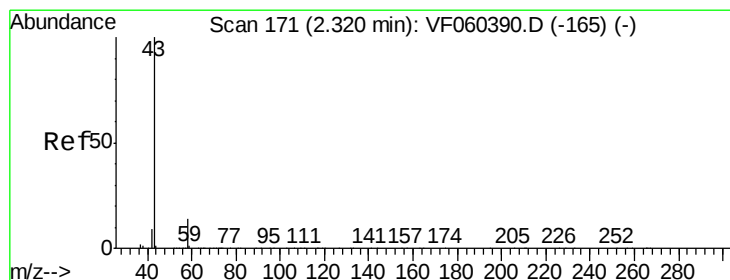
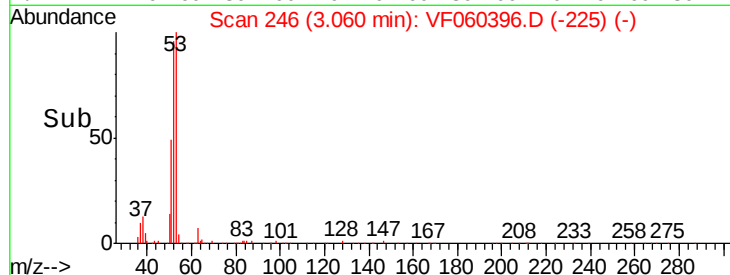
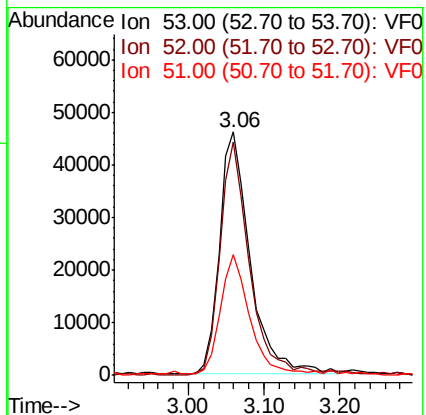
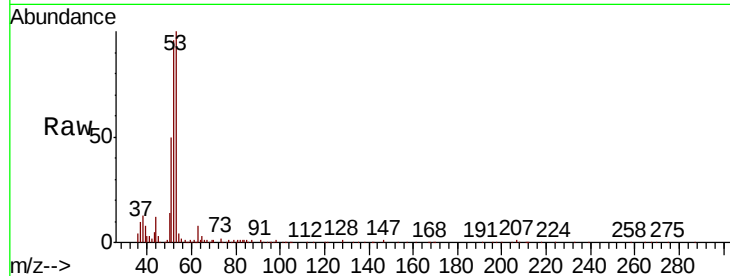
Tot Ion: 53 Resp: 130207

Ion Ratio Lower Upper

53 100

52 95.8 66.0 99.0

51 49.8 45.6 68.4



#16

Acetone

Concen: 287.957 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060396.D

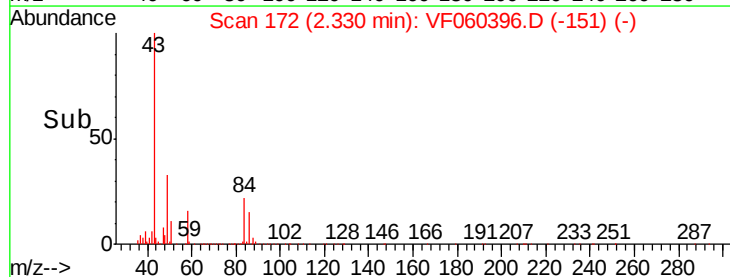
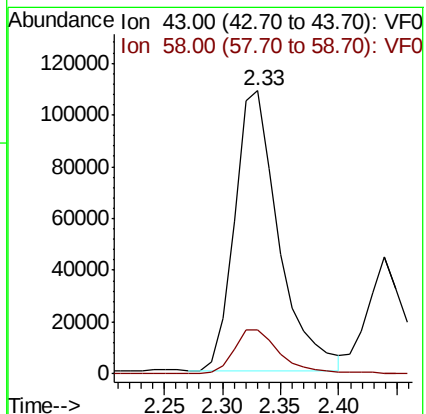
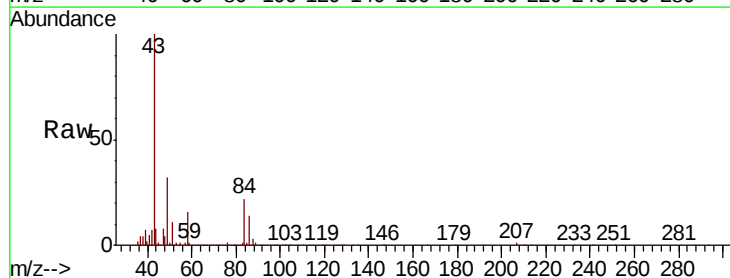
Acq: 2 Oct 2018 11:38

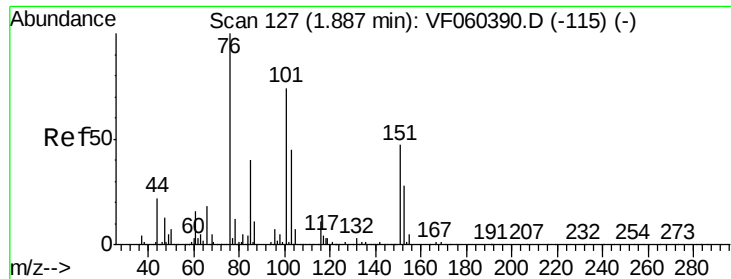
Tgt Ion: 43 Resp: 285221

Ion Ratio Lower Upper

43 100

58 15.7 11.2 16.8

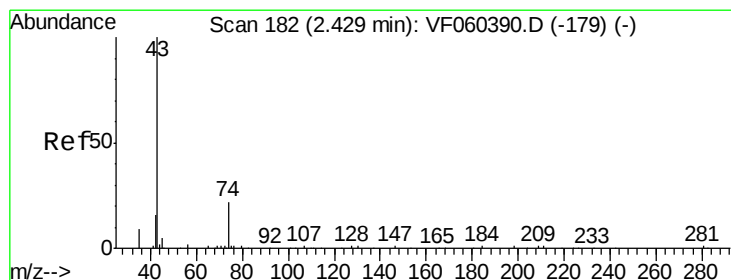
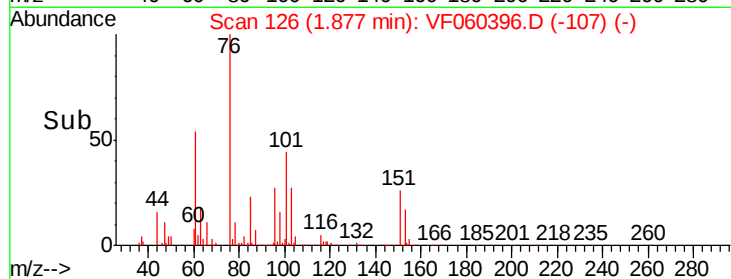
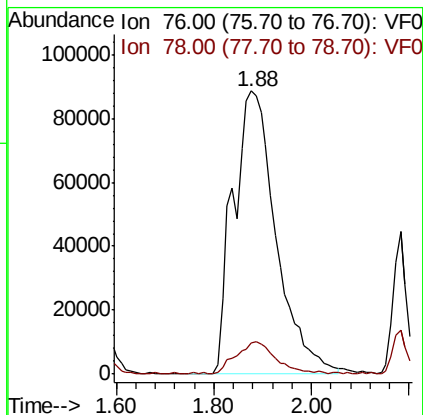
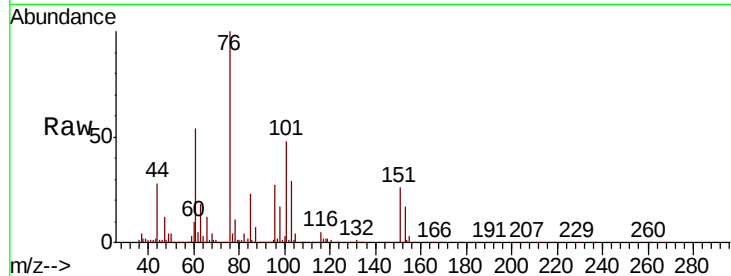




#17
Carbon Disulfide
Concen: 47.569 ug/l
RT: 1.88 min Scan# 126
Delta R.T. -0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

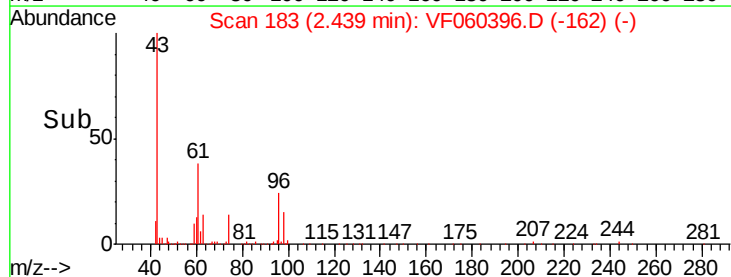
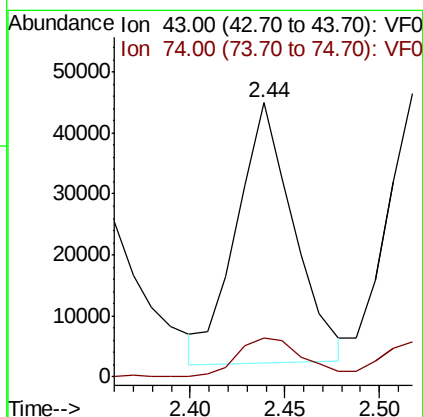
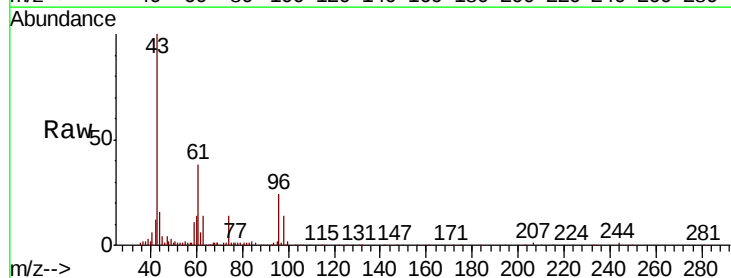
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

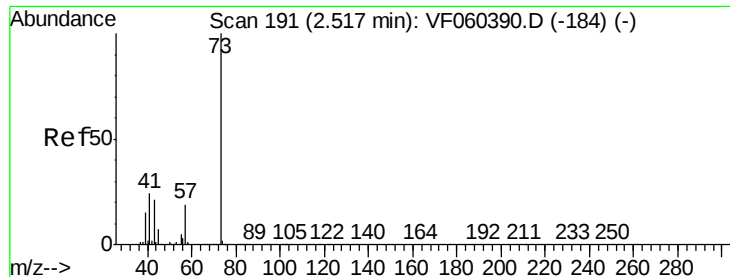
Tot Ion: 76 Resp: 543740
Ion Ratio Lower Upper
76 100
78 10.9 10.1 15.1



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

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



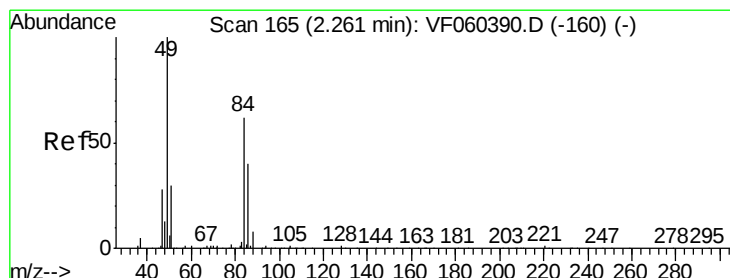
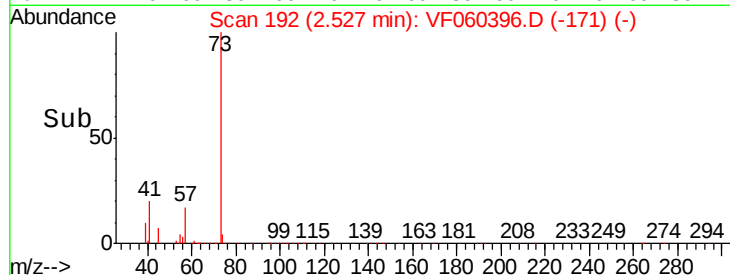
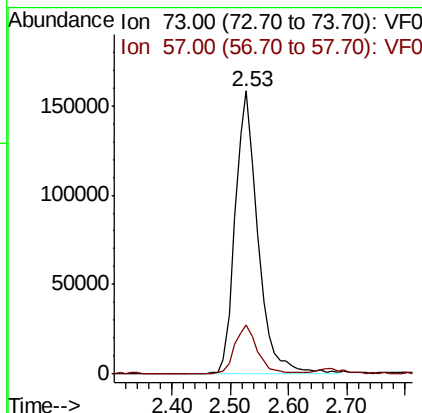
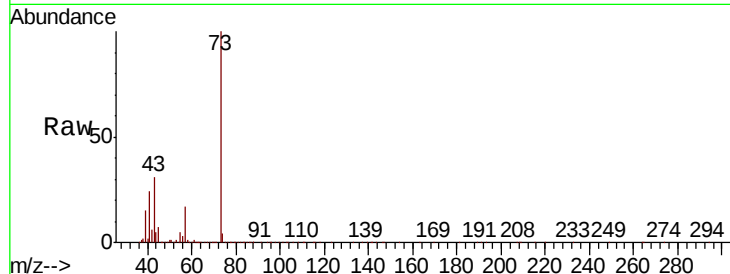


#19

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

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

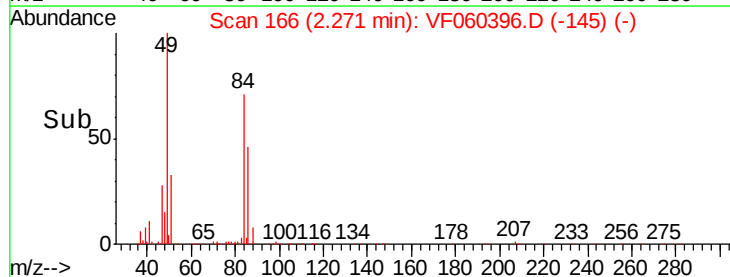
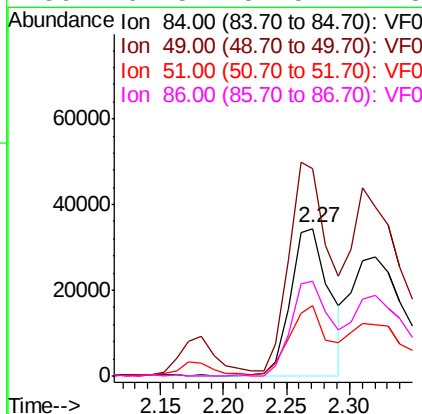
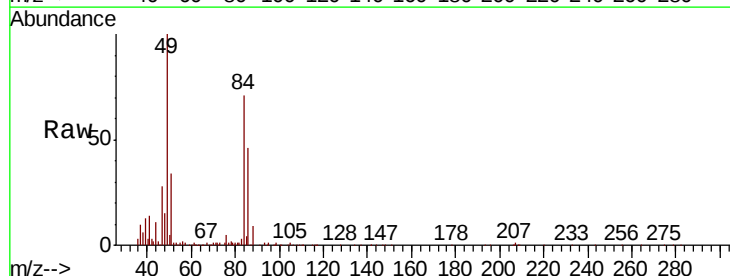
Tot Ion: 73 Resp: 428134
 Ion Ratio Lower Upper
 73 100
 57 17.2 15.9 23.9

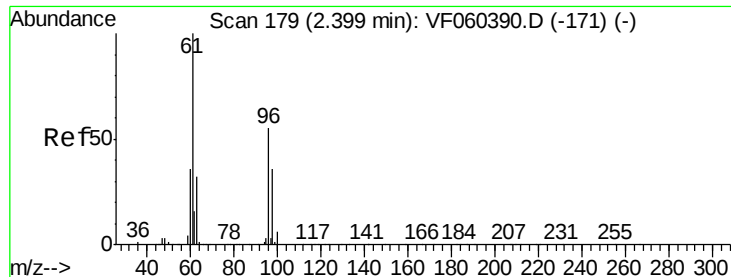


#20

Methylene Chloride
 Concen: 17.402 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion: 84 Resp: 74754
 Ion Ratio Lower Upper
 84 100
 49 140.7 130.2 195.2
 51 47.5 41.0 61.6
 86 64.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.690 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

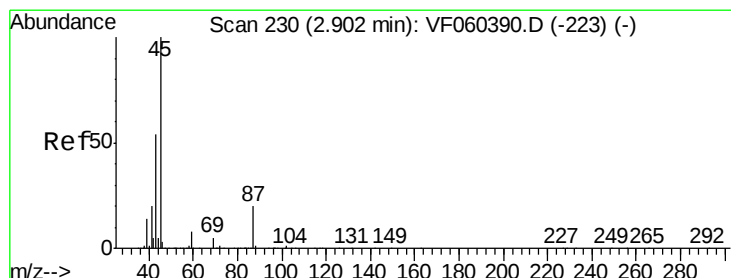
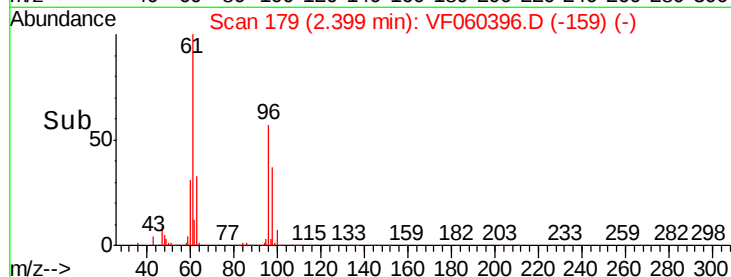
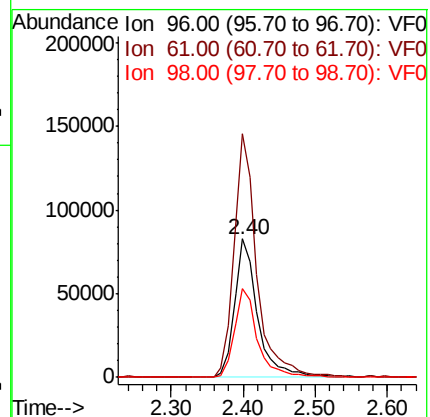
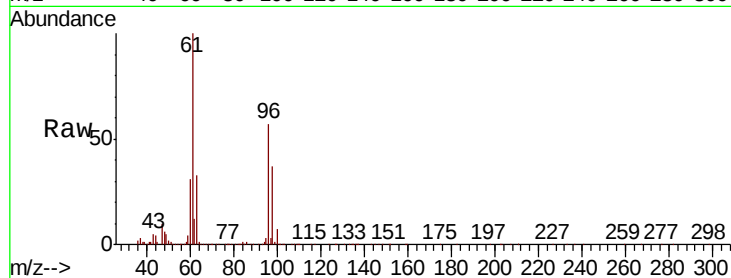
Tot Ion: 96 Resp: 183562

Ion Ratio Lower Upper

96 100

61 176.2 146.2 219.2

98 64.4 52.6 78.8



#22

Diisopropyl ether

Concen: 51.247 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion: 45 Resp: 562630

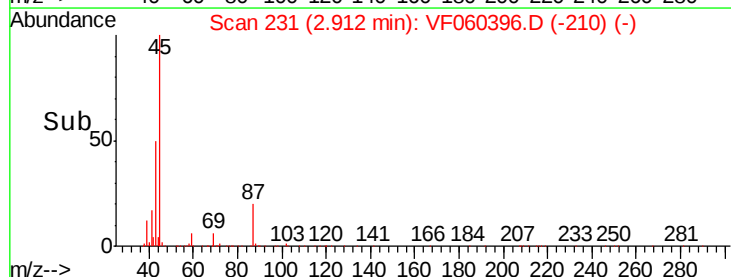
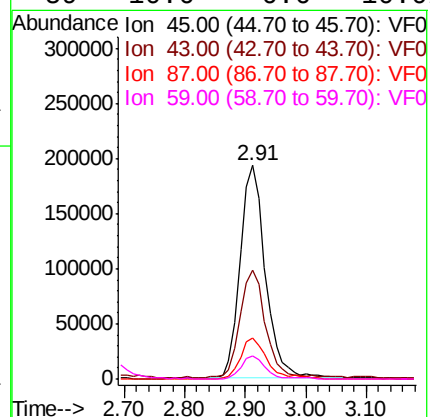
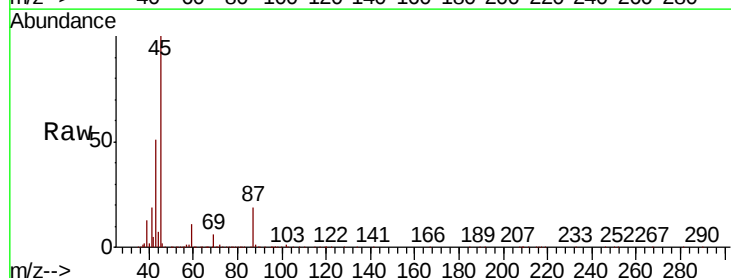
Ion Ratio Lower Upper

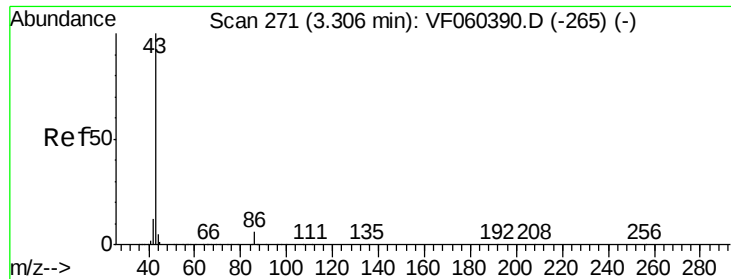
45 100

43 51.1 43.8 65.8

87 19.4 16.3 24.5

59 10.6 6.6 10.0#





#23

Vinyl Acetate

Concen: 269.519 ug/l

RT: 3.32 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

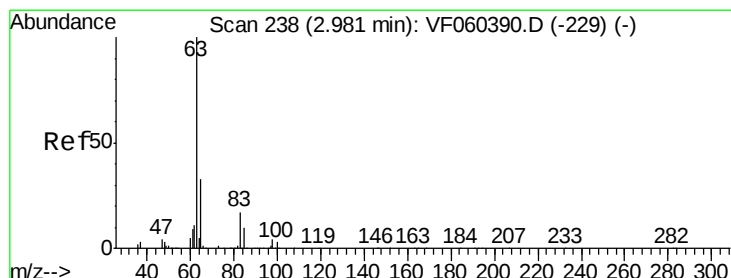
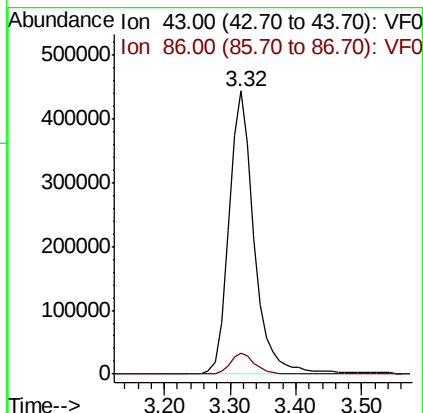
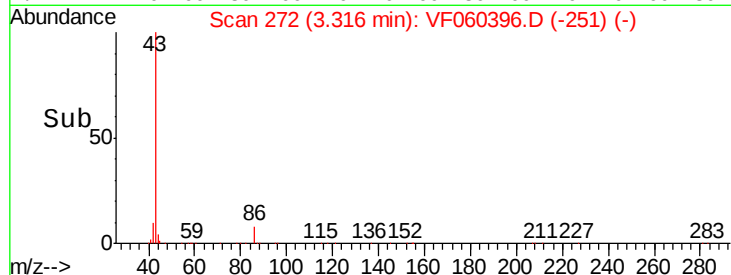
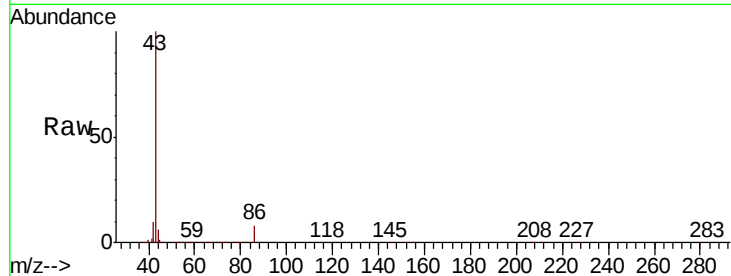
VSTDCCC050

Tot Ion: 43 Resp: 1175422

Ion Ratio Lower Upper

43 100

86 7.6 5.1 7.7



#24

1,1-Dichloroethane

Concen: 49.355 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

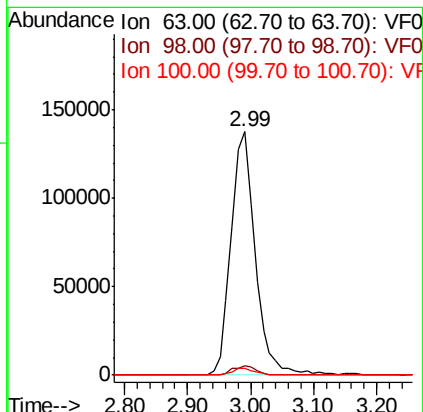
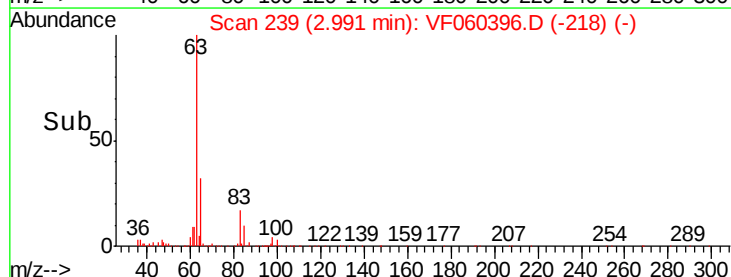
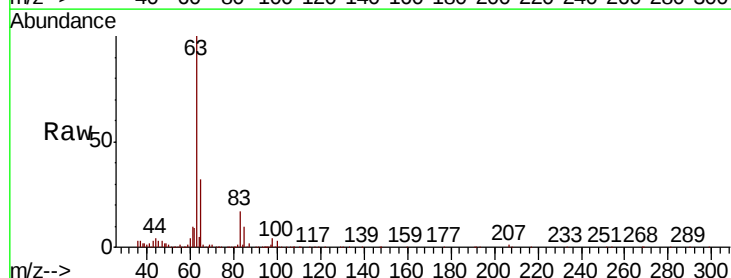
Tgt Ion: 63 Resp: 366428

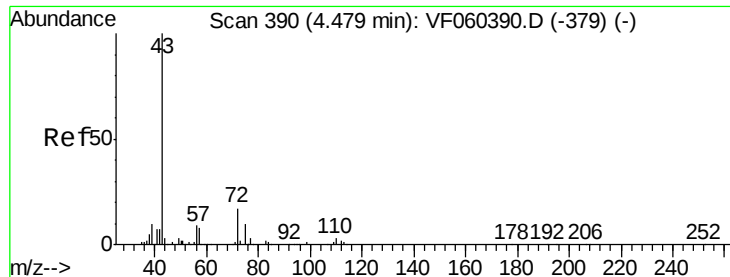
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.6 1.4 4.2





#25

2-Butanone

Concen: 276.593 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

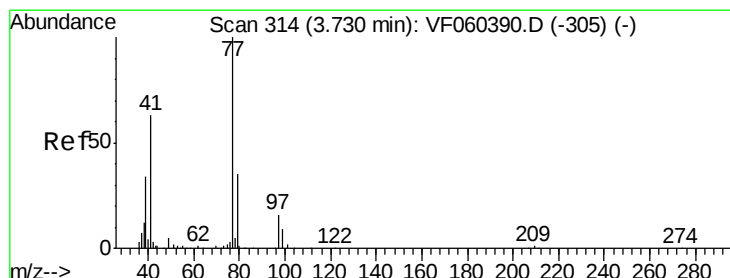
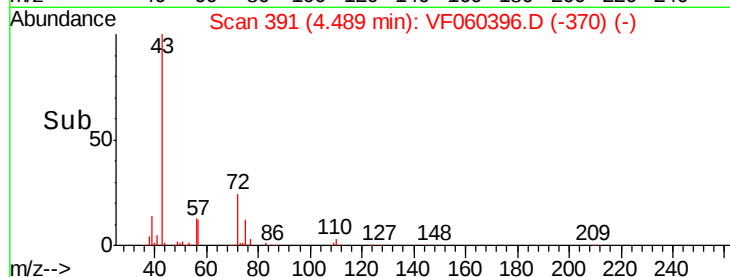
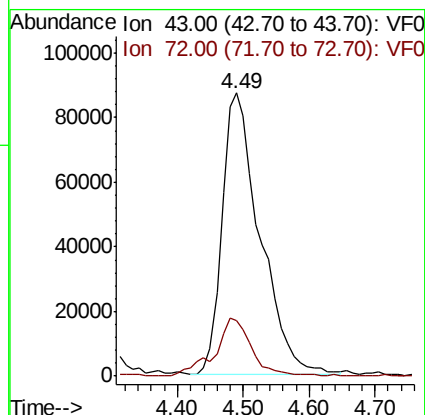
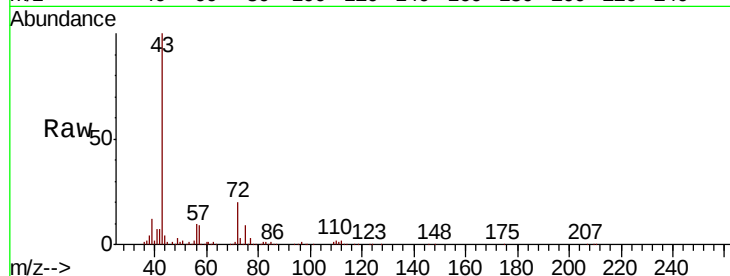
VSTDCCC050

Tot Ion: 43 Resp: 348756

Ion Ratio Lower Upper

43 100

72 19.8 14.1 21.1



#26

2,2-Dichloropropane

Concen: 48.706 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060396.D

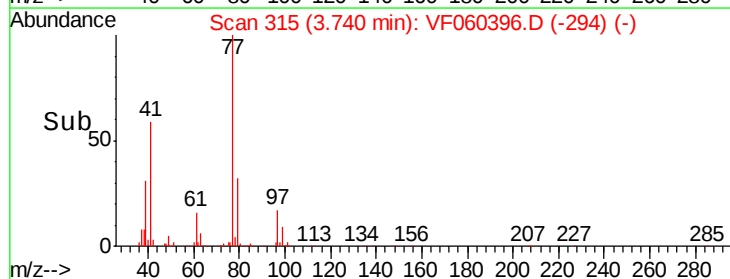
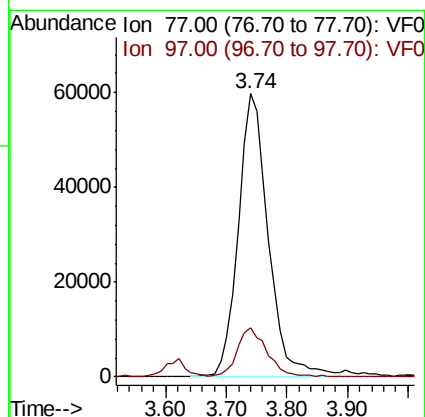
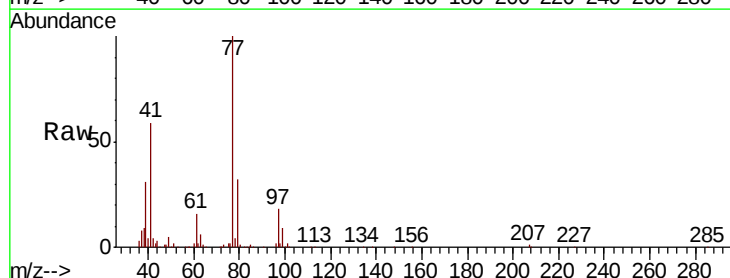
Acq: 2 Oct 2018 11:38

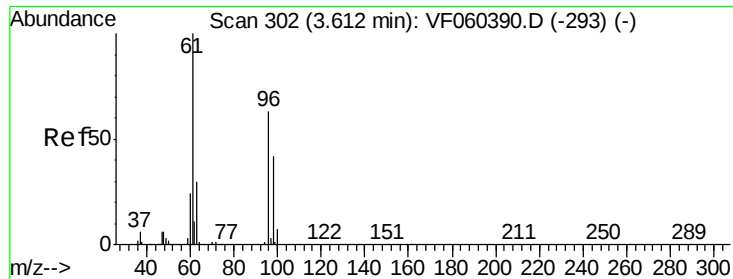
Tgt Ion: 77 Resp: 204809

Ion Ratio Lower Upper

77 100

97 17.5 8.3 25.1



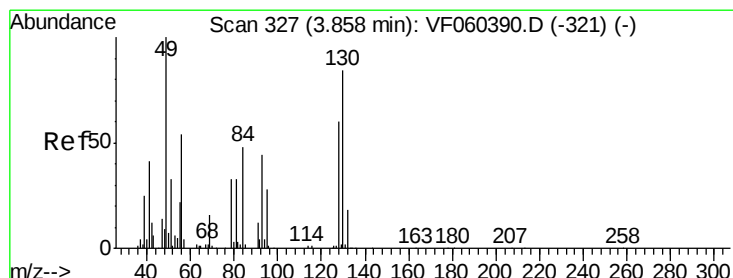
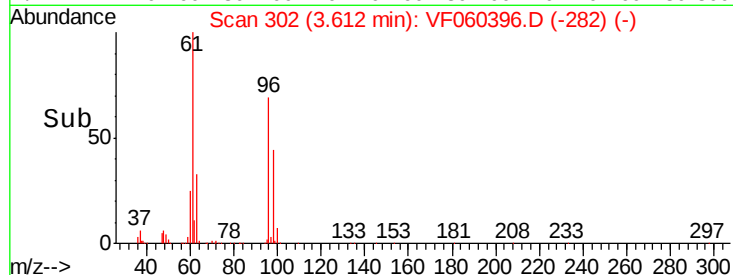
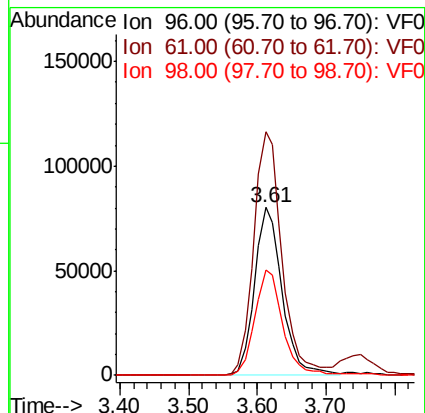
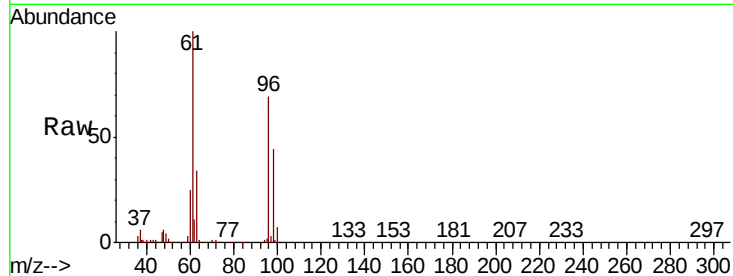


#27

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

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

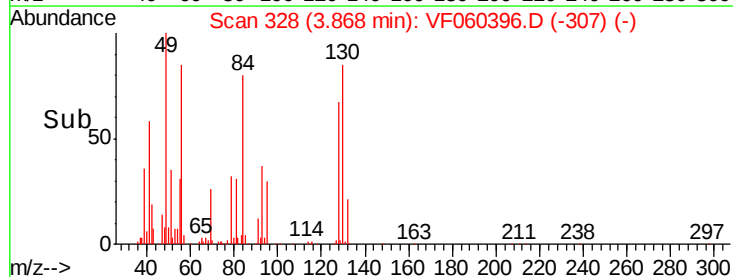
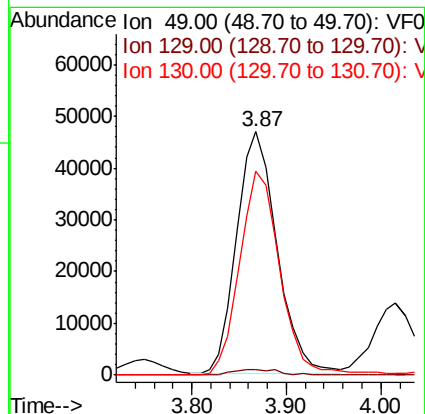
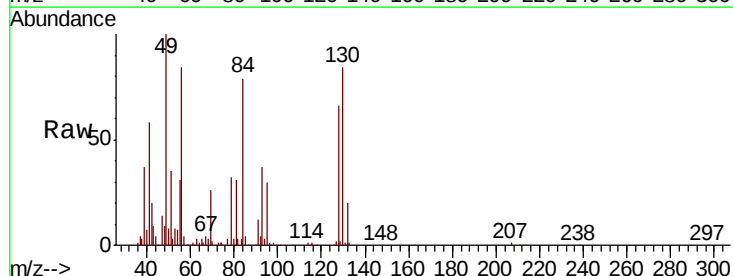
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	318.2
98	63.3	0.0	134.0

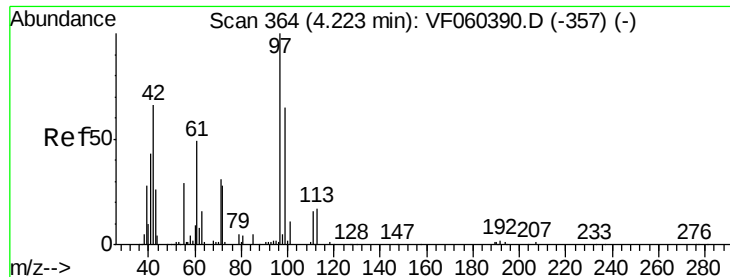


#28

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

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





#29

Tetrahydrofuran

Concen: 280.117 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

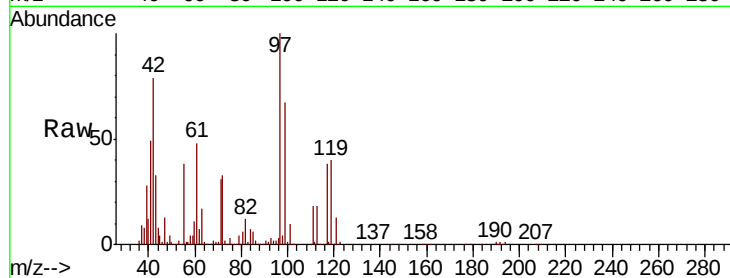
Tot Ion: 42 Resp: 132788

Ion Ratio Lower Upper

42 100

72 42.5 33.6 50.4

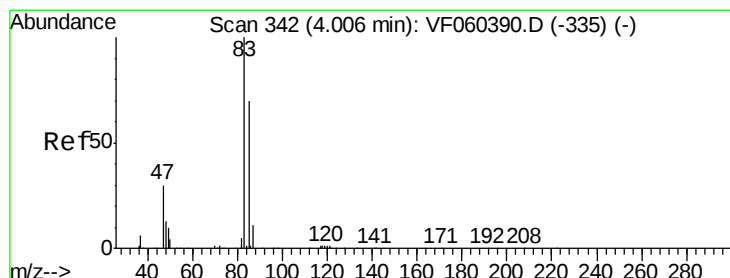
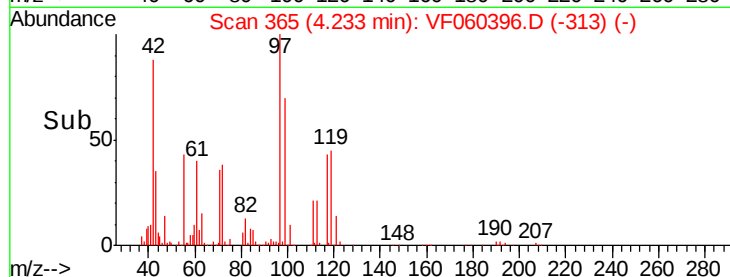
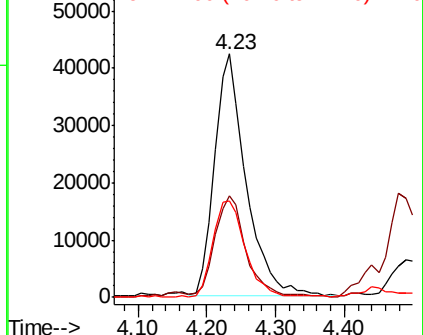
71 42.1 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 47.334 ug/l

RT: 4.02 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF060396.D

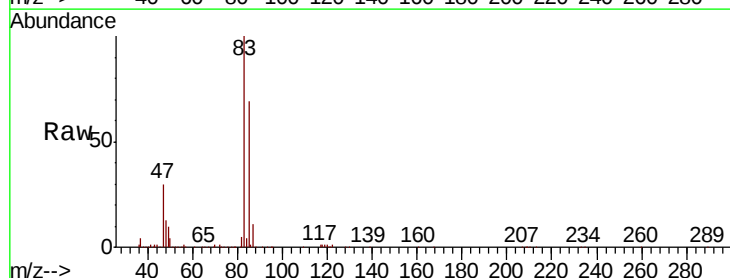
Acq: 2 Oct 2018 11:38

Tgt Ion: 83 Resp: 433639

Ion Ratio Lower Upper

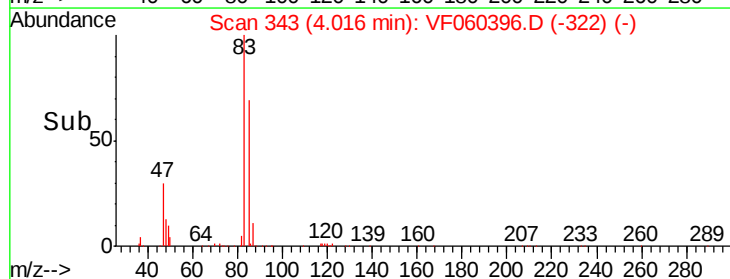
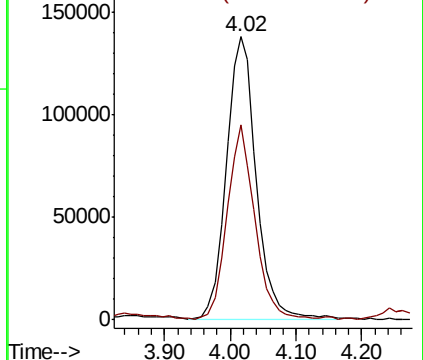
83 100

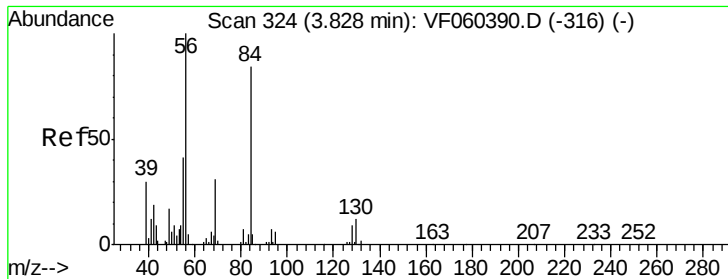
85 69.0 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

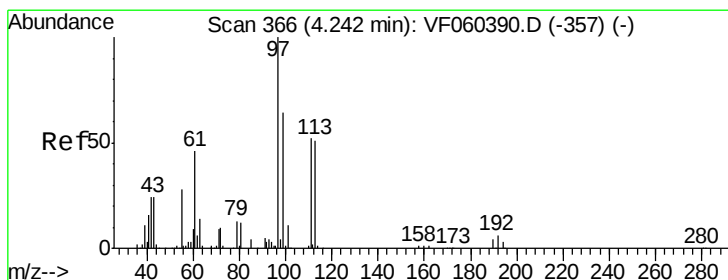
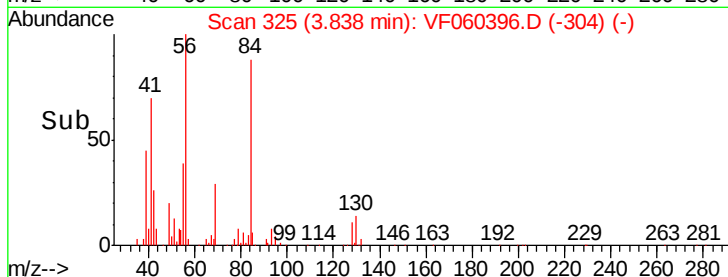
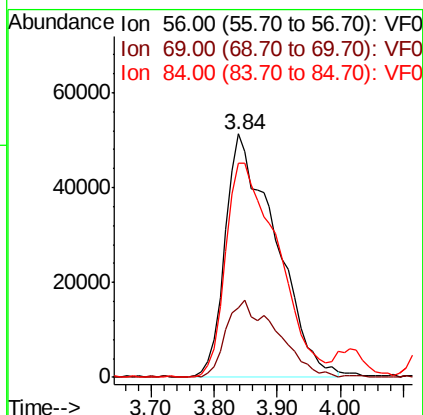
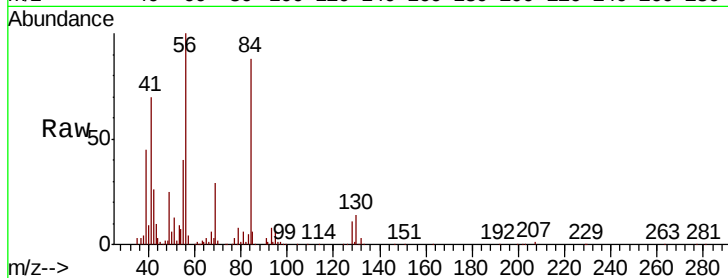




#31
Cvclohexane
Concen: 53.361 ug/l
RT: 3.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

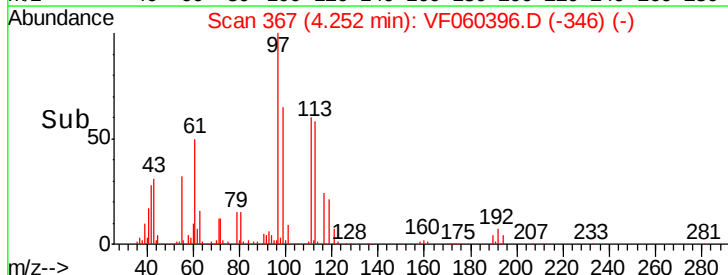
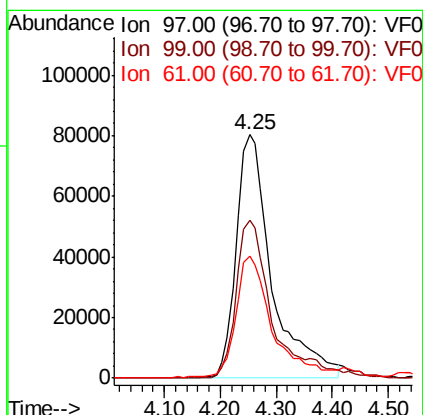
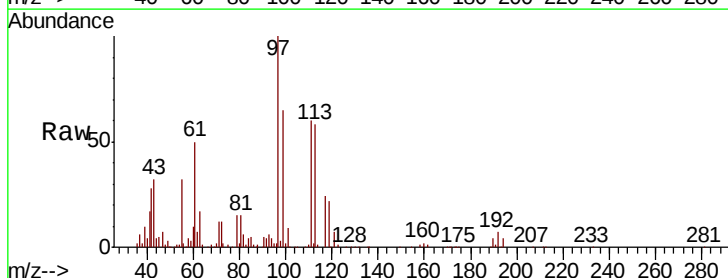
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

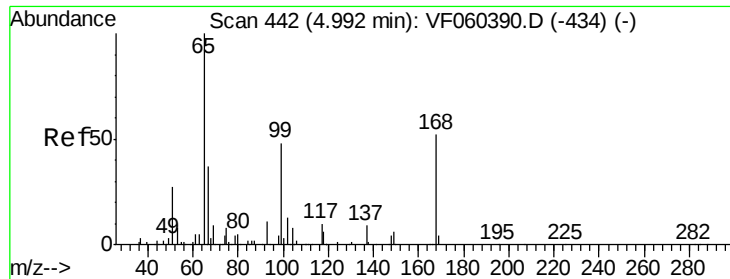
Tot Ion: 56 Resp: 284481
Ion Ratio Lower Upper
56 100
69 28.8 25.5 38.3
84 88.0 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 46.594 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

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

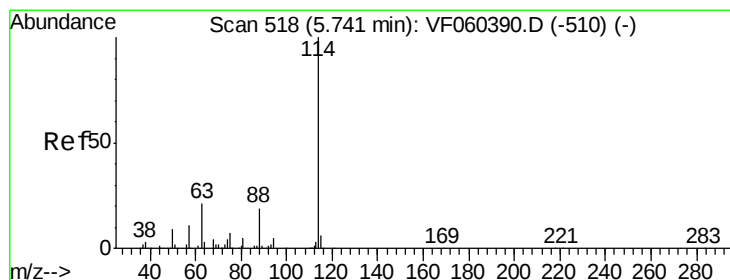
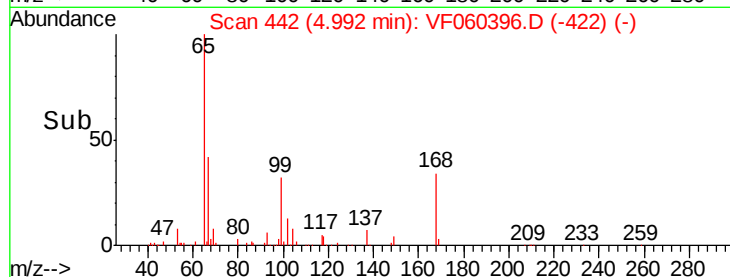
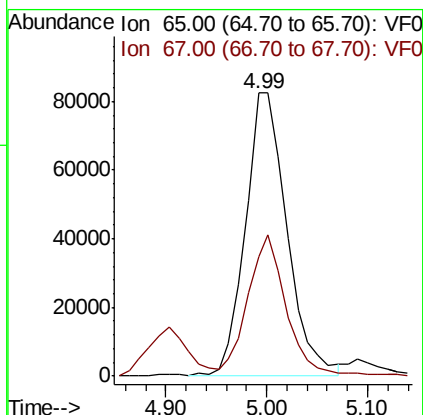
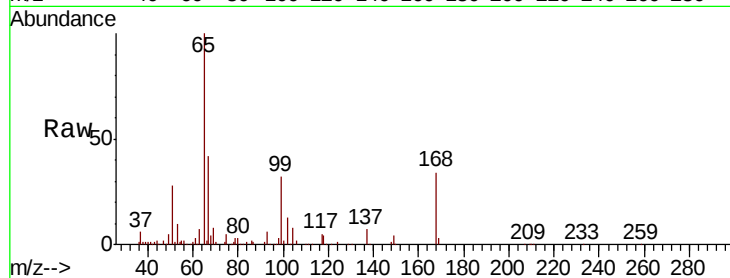




#33
 1,2-Dichloroethane-d4
 Concen: 48.093 ug/l
 RT: 4.99 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

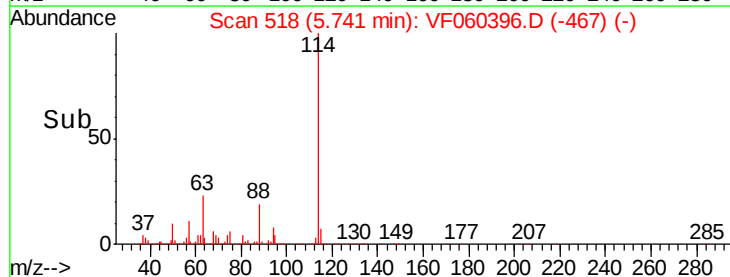
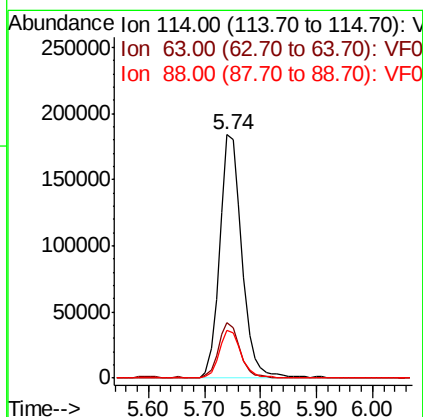
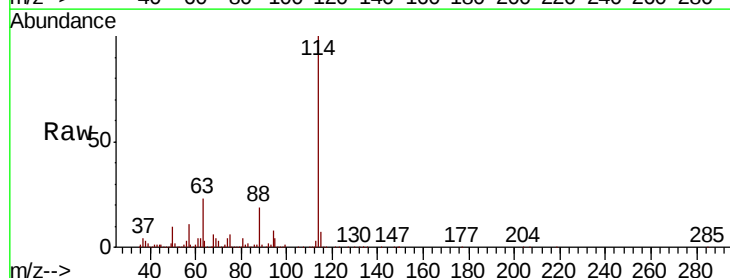
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

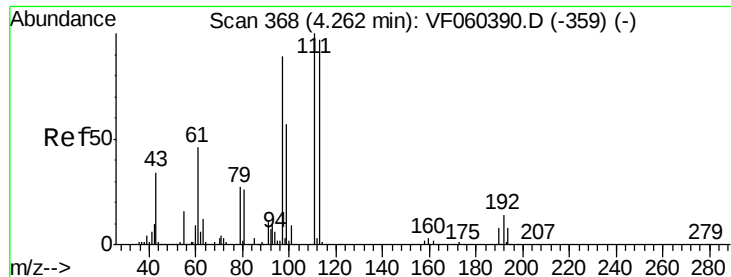
Tot Ion: 65 Resp: 234191
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion: 114 Resp: 508742
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 19.4 0.0 38.8

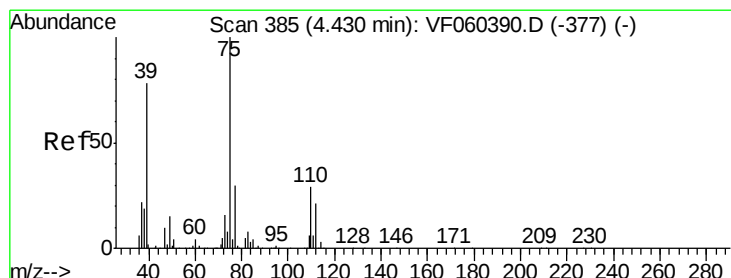
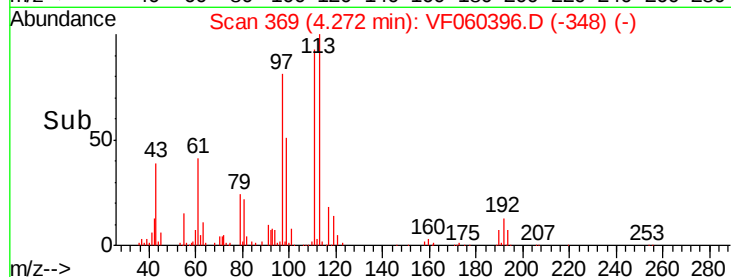
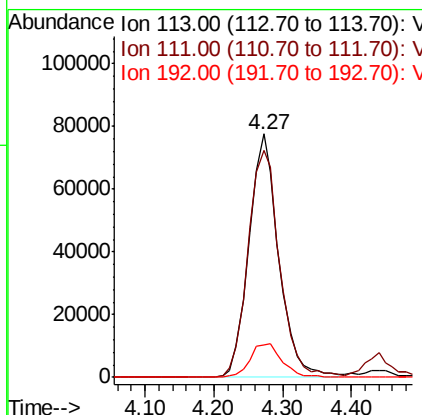
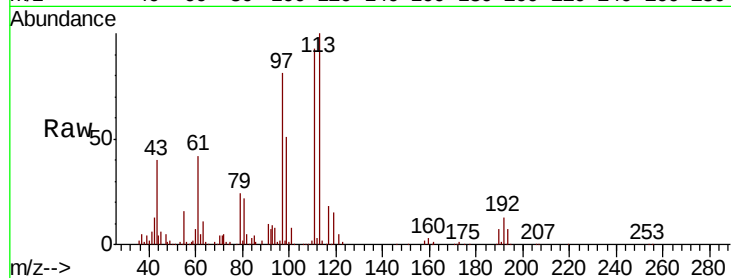




#35
 Dibromofluoromethane
 Concen: 48.857 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

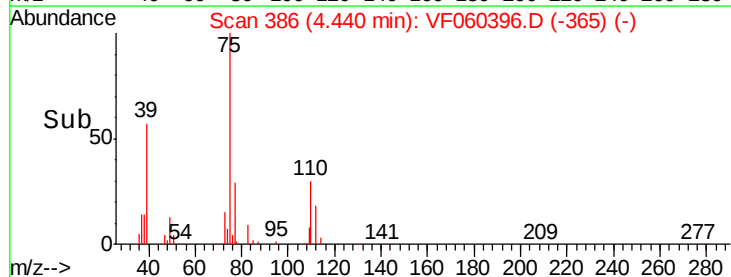
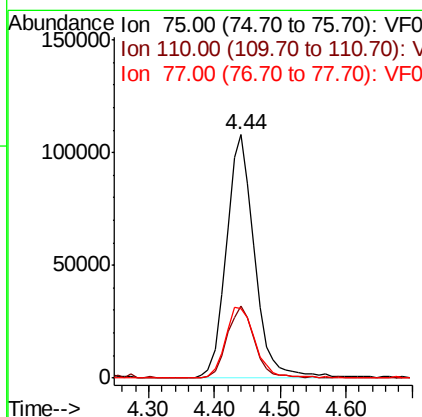
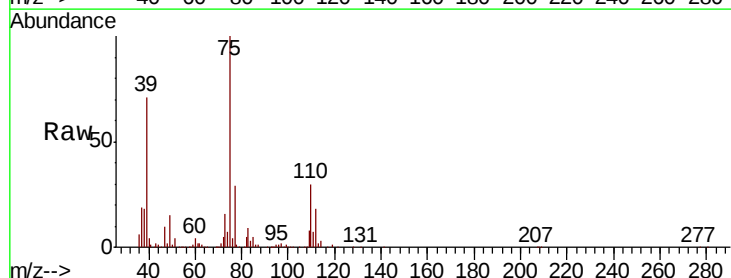
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

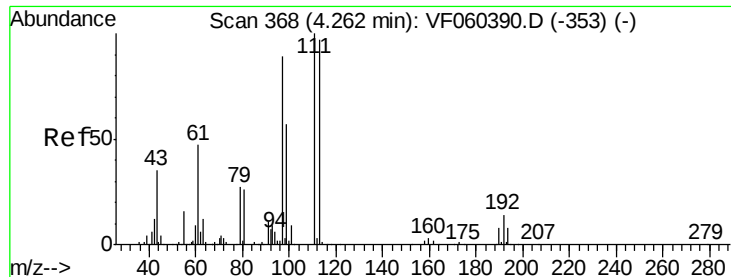
Tot Ion	Ratio	Lower	Upper
113	100		
111	93.0	82.3	123.5
192	13.3	11.8	17.6



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

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





#37

Ethyl Acetate

Concen: 52.371 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

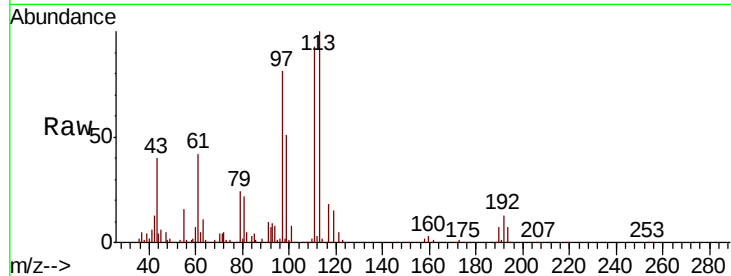
Tot Ion: 43 Resp: 125793

Ion Ratio Lower Upper

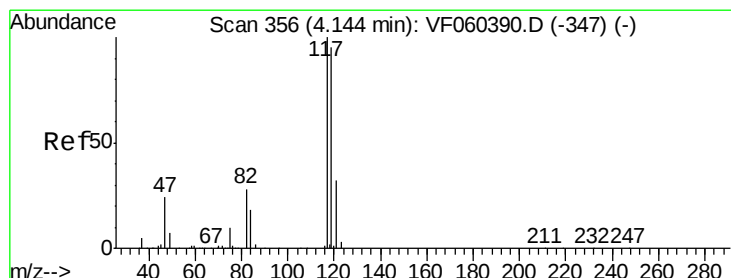
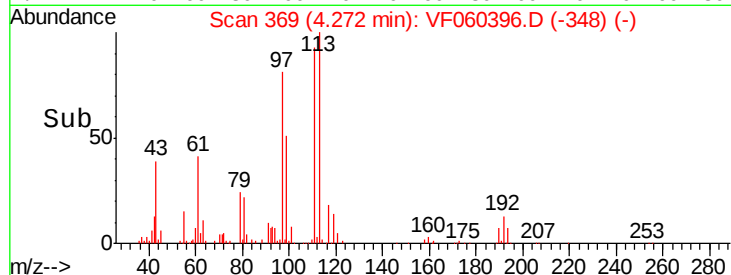
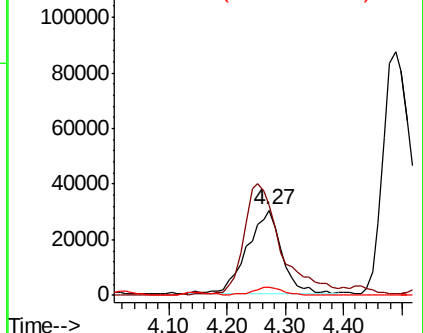
43 100

61 104.8 105.1 157.7#

70 9.8 8.0 12.0



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: 53.146 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

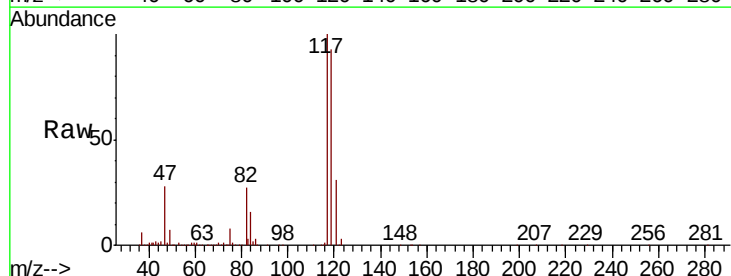
Tgt Ion: 117 Resp: 405767

Ion Ratio Lower Upper

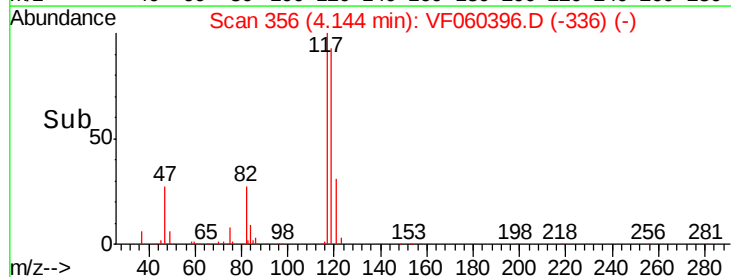
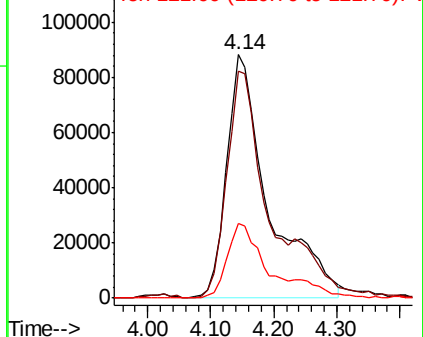
117 100

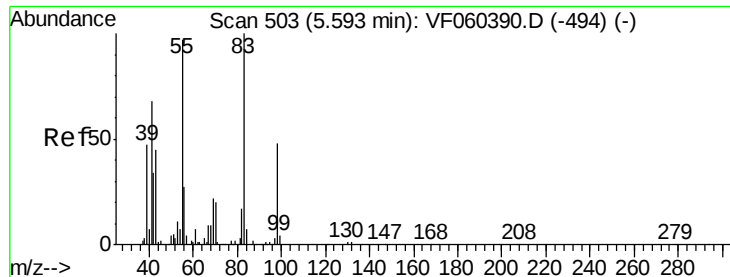
119 93.3 75.5 113.3

121 30.9 25.4 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

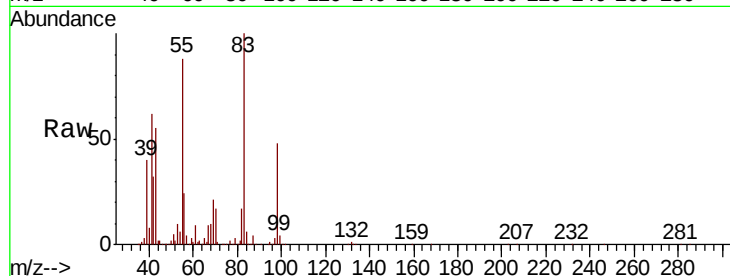




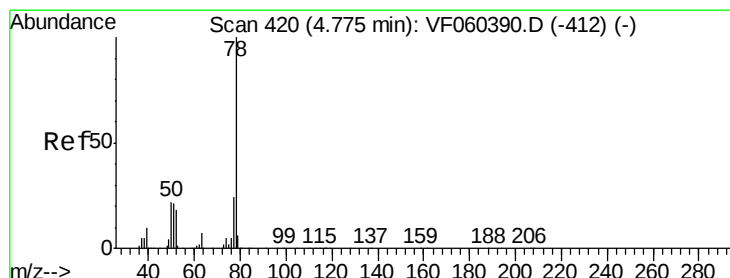
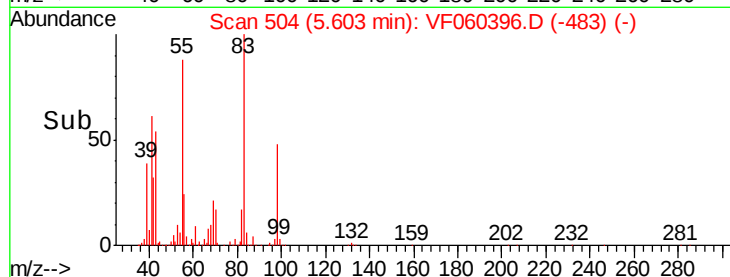
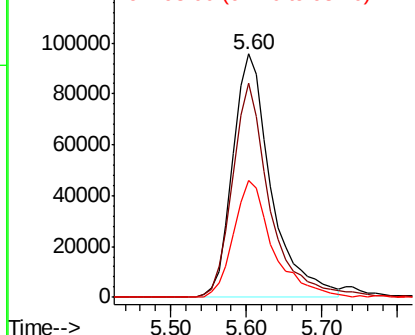
#39
Methylcyclohexane
Concen: 54.973 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 338037
Ion Ratio Lower Upper
83 100
55 88.0 77.5 116.3
98 48.1 38.7 58.1

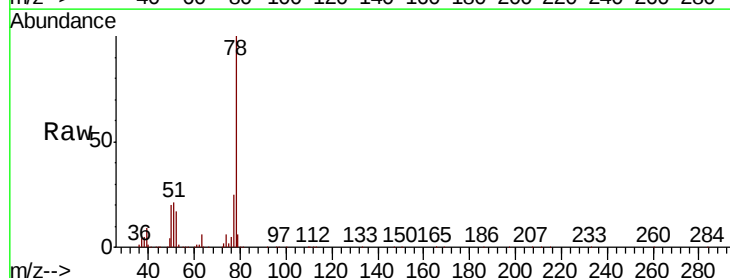


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

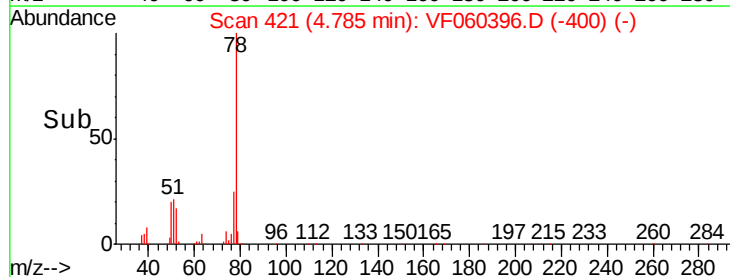
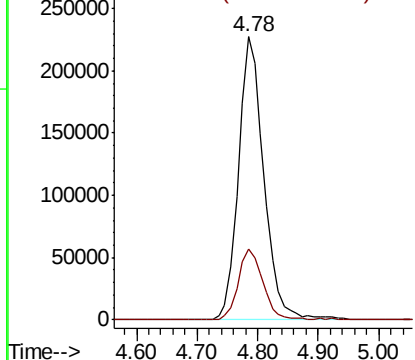


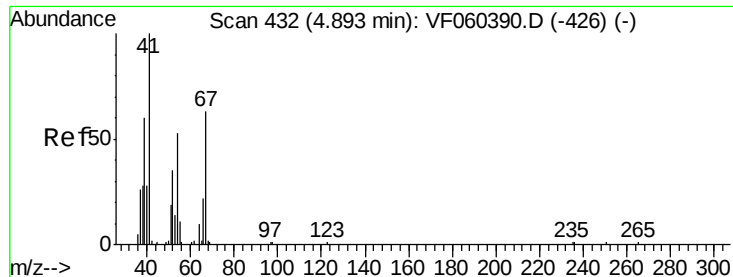
#40
Benzene
Concen: 52.983 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion: 78 Resp: 659736
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

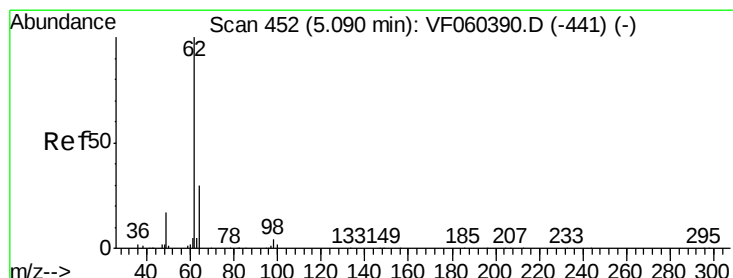
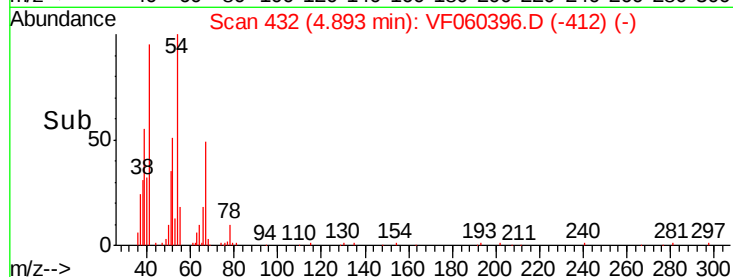
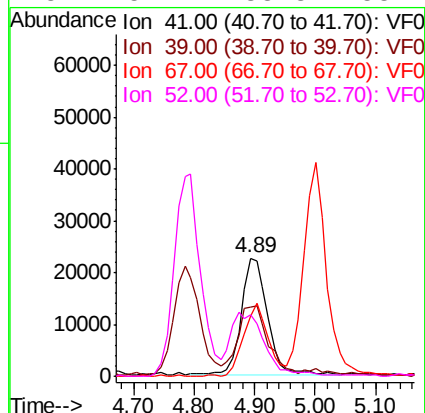
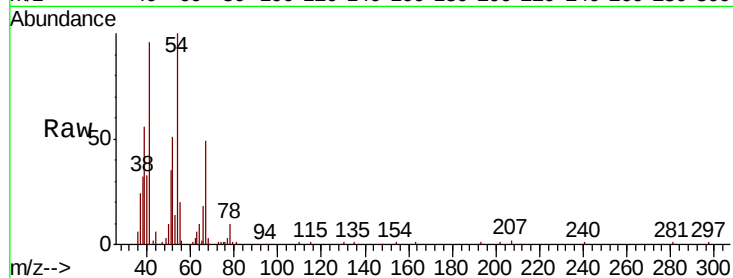




#41
Methacrylonitrile
Concen: 53.158 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

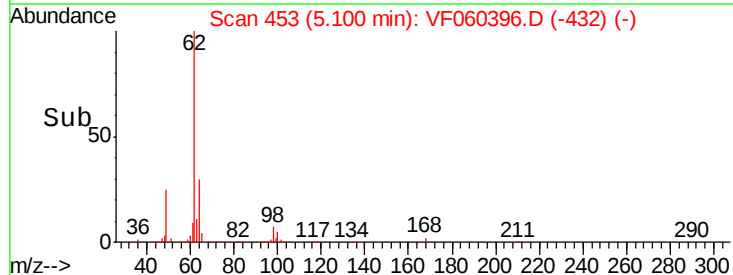
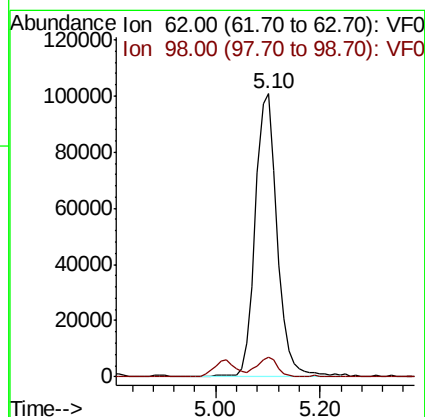
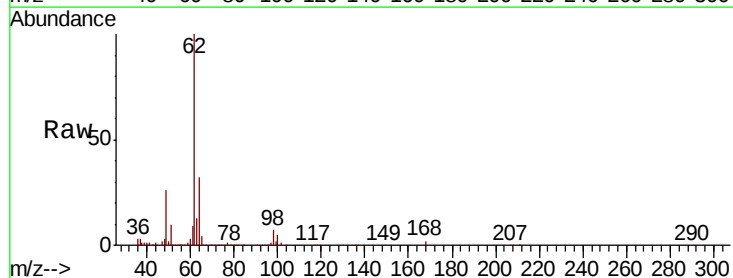
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

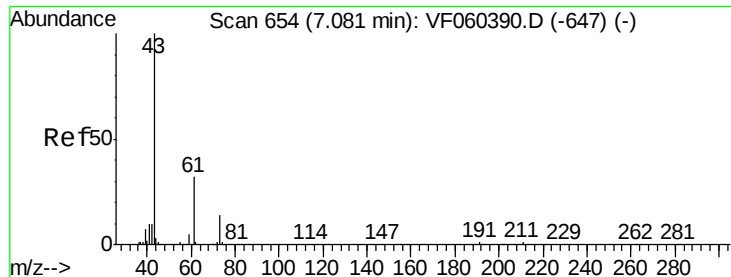
Tot Ion:	41	Resp:	67700
Ion	Ratio	Lower	Upper
41	100		
39	58.5	55.0	82.4
67	50.7	49.6	74.4
52	52.7	38.8	58.2



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

Tgt Ion:	62	Resp:	284792
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	11.2



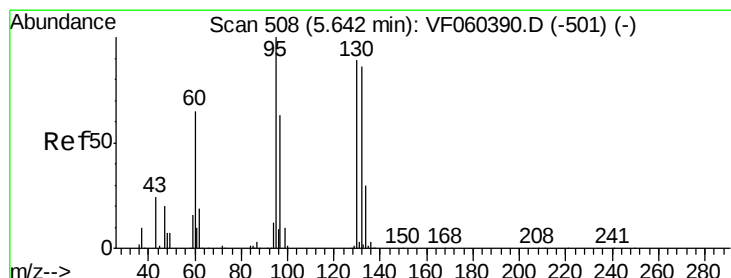
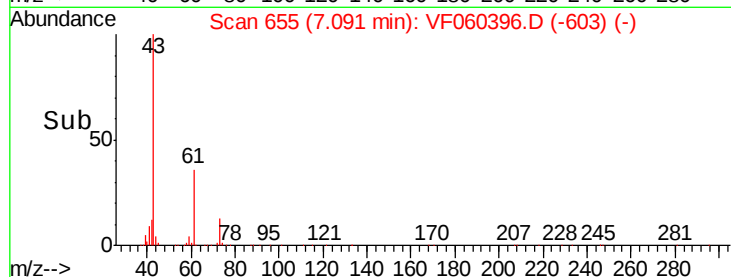
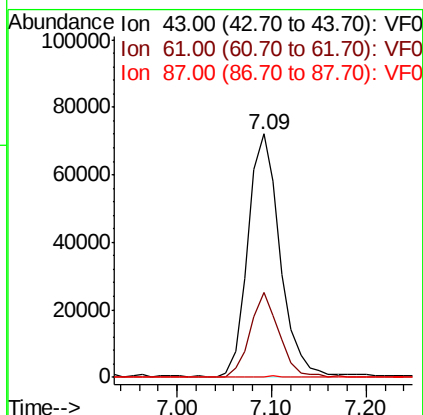
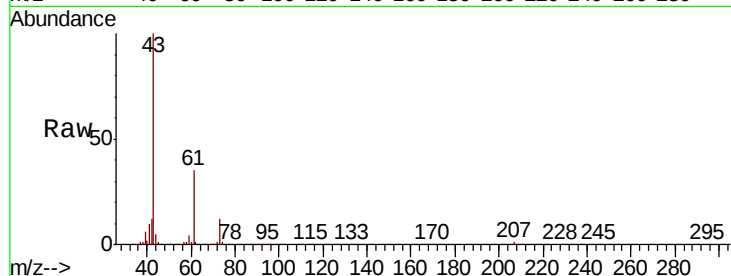


#43

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

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

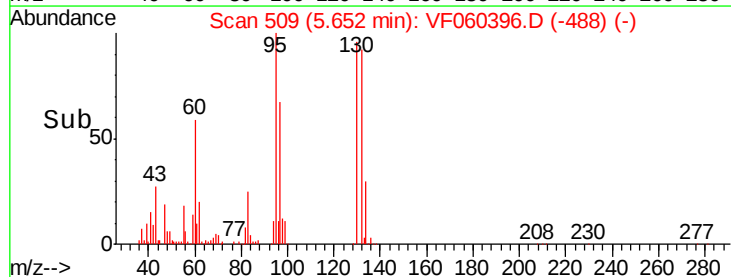
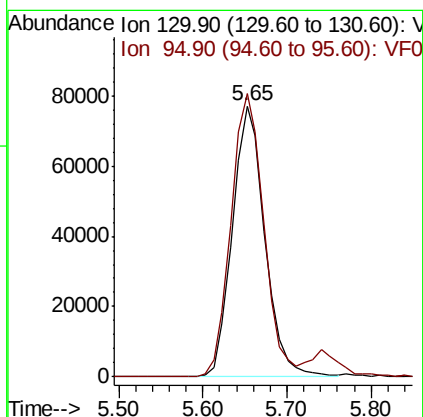
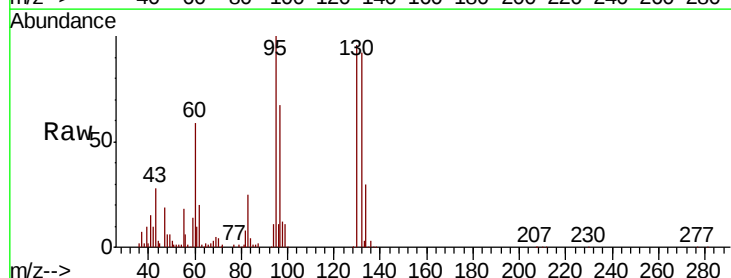
Tot Ion: 43 Resp: 169191
 Ion Ratio Lower Upper
 43 100
 61 34.9 25.4 38.2
 87 0.2 0.3 0.5#

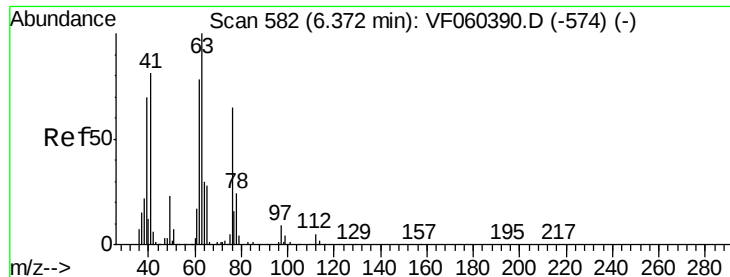


#44

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

Tgt Ion: 130 Resp: 206572
 Ion Ratio Lower Upper
 130 100
 95 104.6 0.0 224.4





#45

1,2-Dichloropropane

Concen: 54.531 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

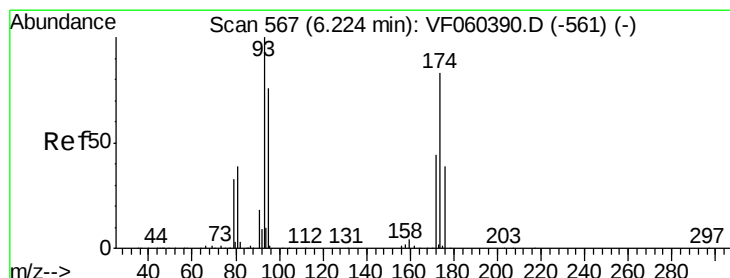
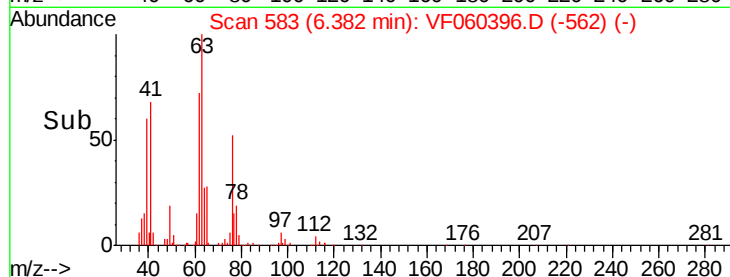
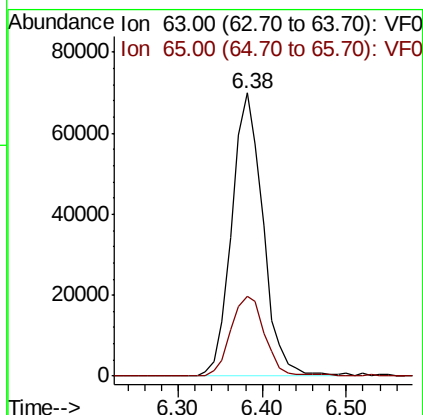
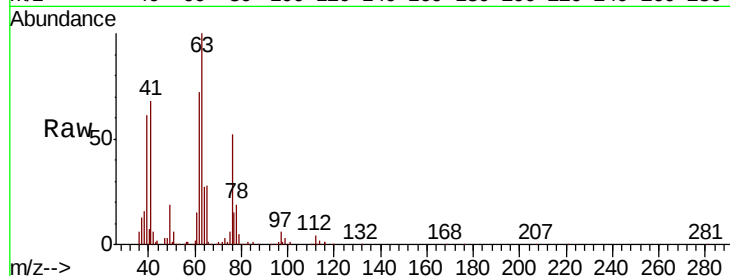
VSTDCCC050

Tot Ion: 63 Resp: 180828

Ion Ratio Lower Upper

63 100

65 28.1 22.7 34.1



#46

Dibromomethane

Concen: 50.848 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

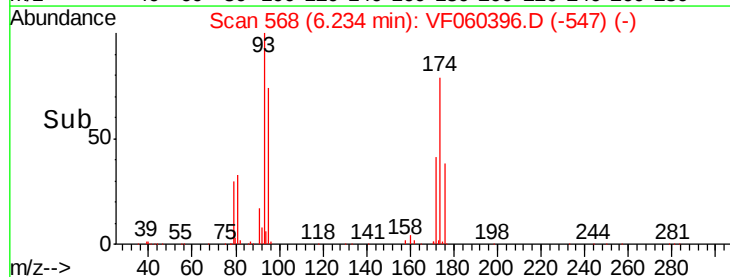
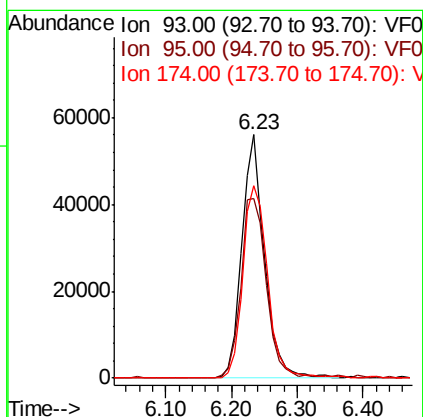
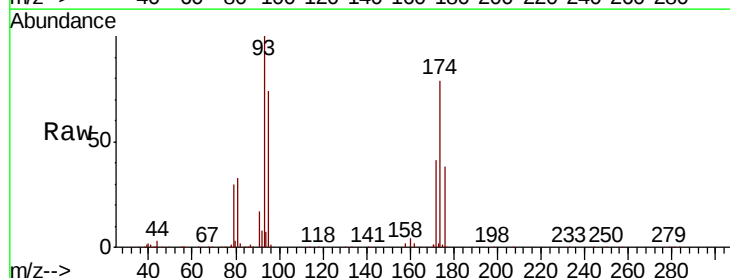
Tgt Ion: 93 Resp: 135567

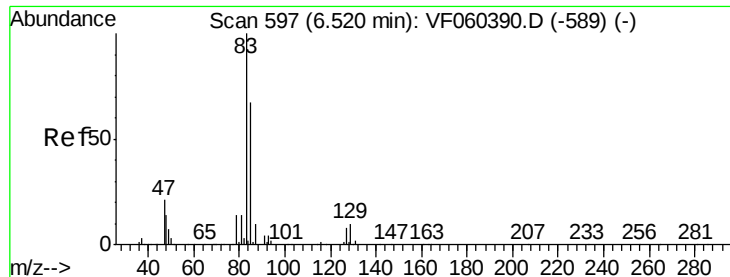
Ion Ratio Lower Upper

93 100

95 74.0 61.1 91.7

174 80.3 66.7 100.1





#47

Bromodichloromethane

Concen: 49.223 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

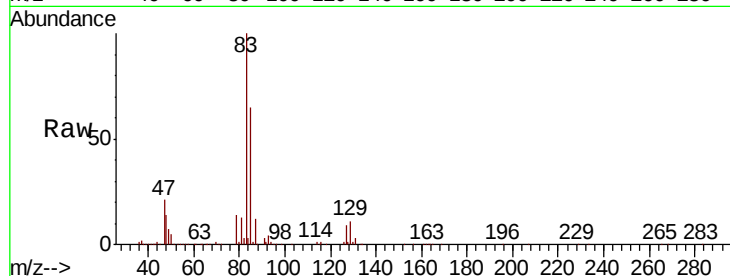
Tot Ion: 83 Resp: 325027

Ion Ratio Lower Upper

83 100

85 65.4 53.2 79.8

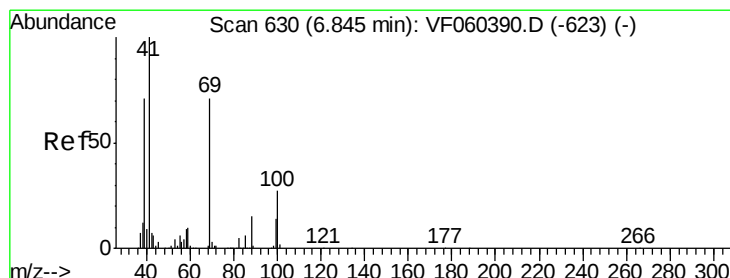
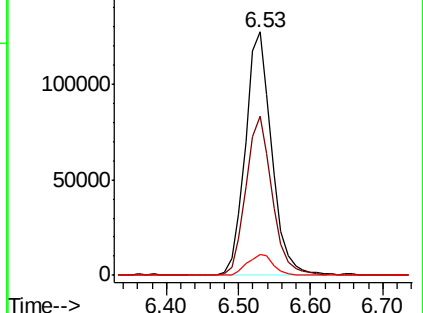
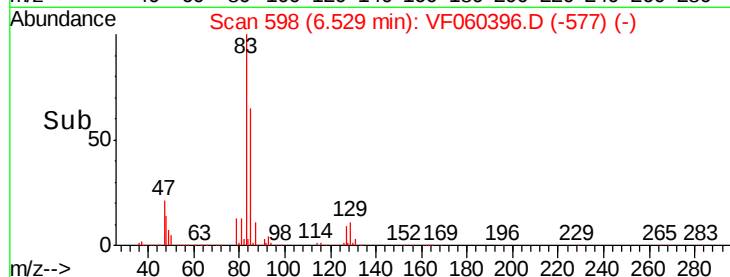
127 8.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 53.387 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

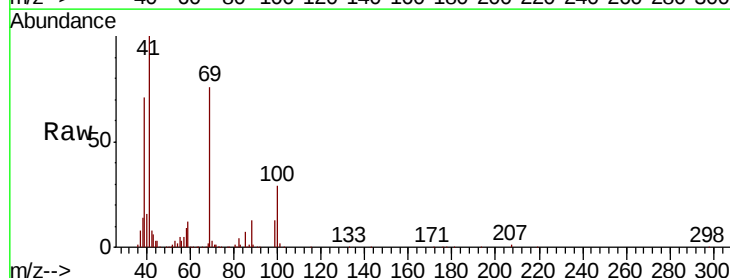
Tgt Ion: 41 Resp: 111239

Ion Ratio Lower Upper

41 100

69 76.4 56.3 84.5

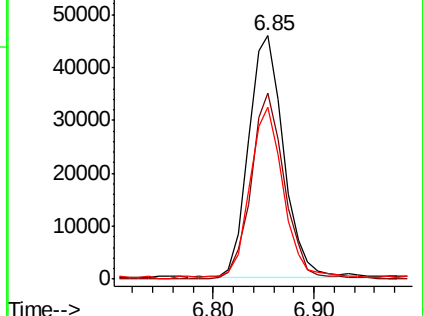
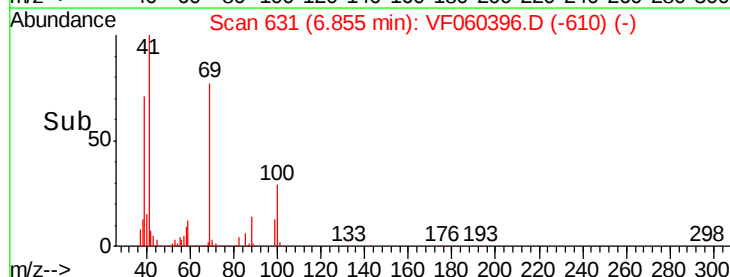
39 70.9 56.9 85.3

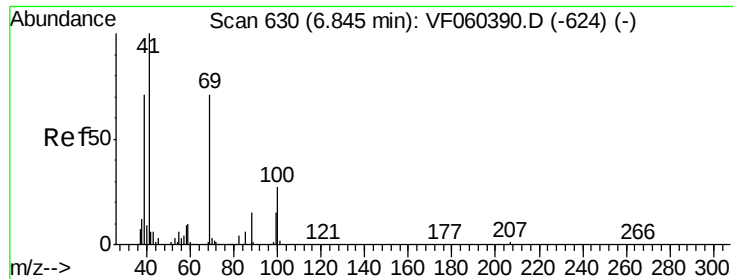


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

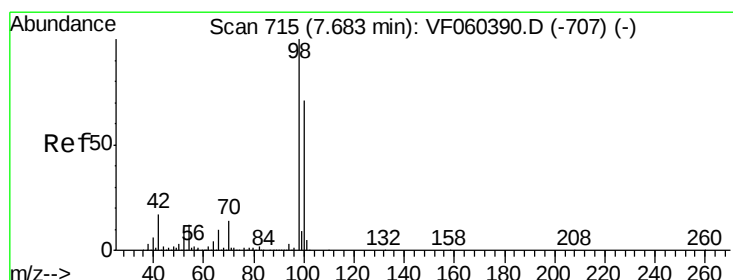
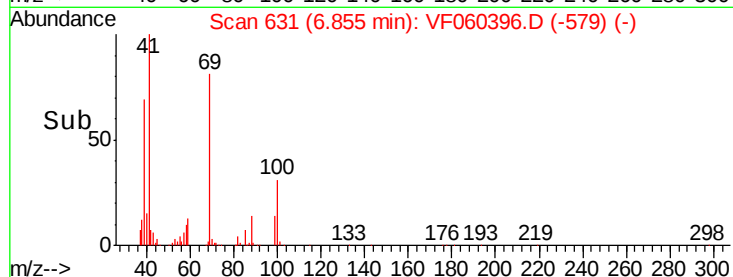
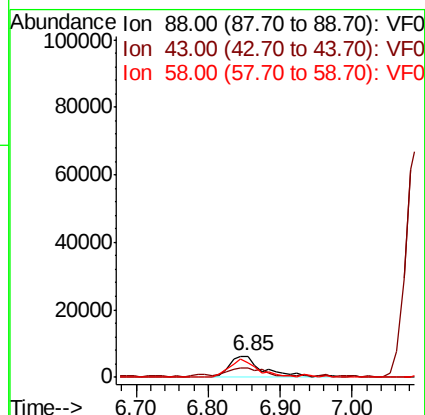
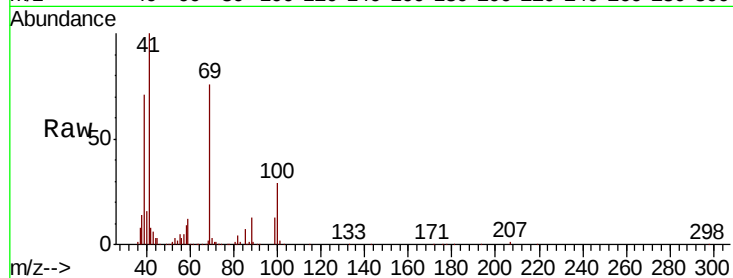




#49
1,4-Dioxane
Concen: 1172.568 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

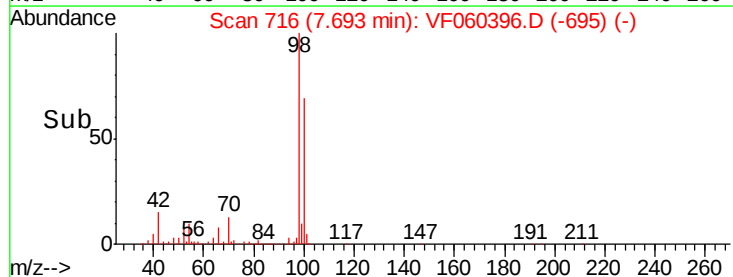
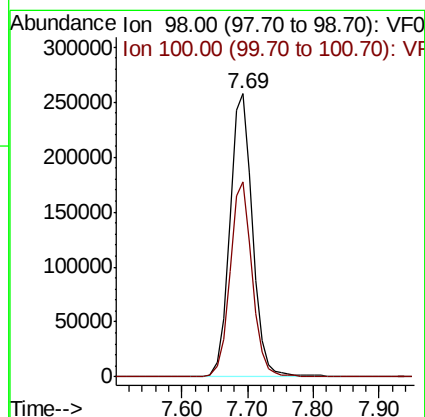
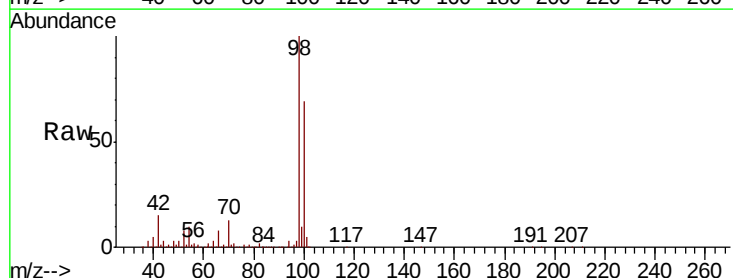
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

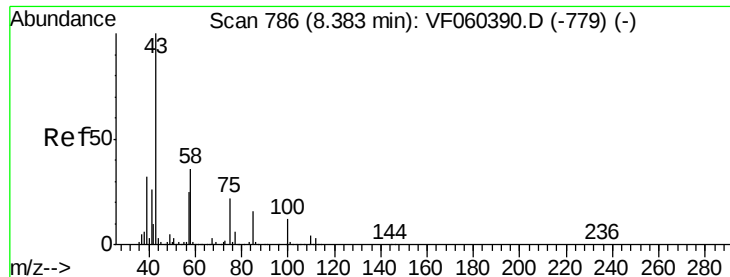
Tot Ion: 88 Resp: 21066
Ion Ratio Lower Upper
88 100
43 44.7 38.3 57.5
58 67.5 47.4 71.2



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

Tgt Ion: 98 Resp: 620514
Ion Ratio Lower Upper
98 100
100 69.1 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 282.757 ug/l

RT: 8.38 min Scan# 786

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

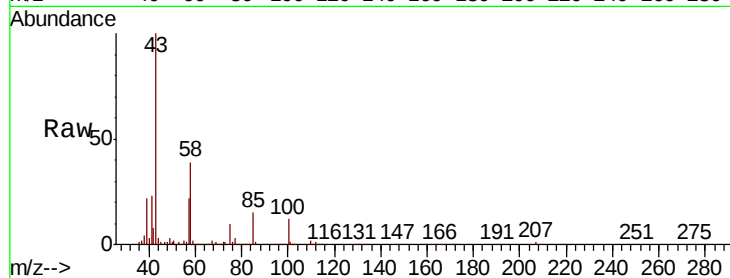
VSTDCCC050

Tot Ion: 43 Resp: 584252

Ion Ratio Lower Upper

43 100

58 38.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

250000

200000

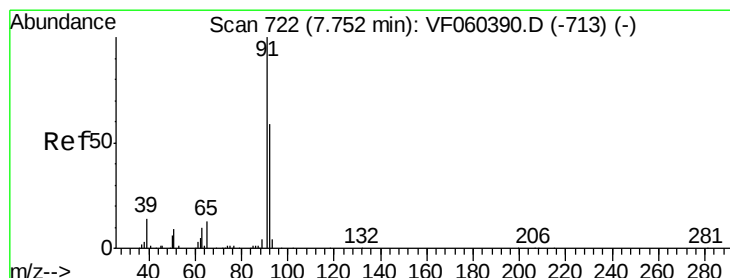
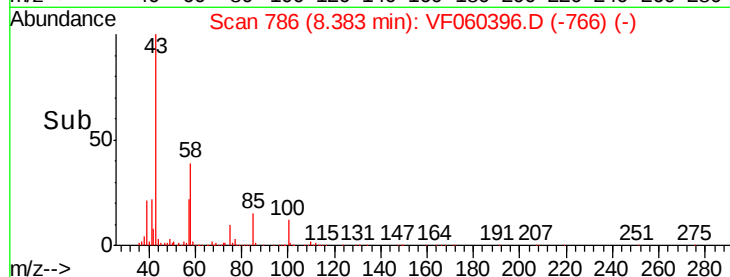
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.851 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060396.D

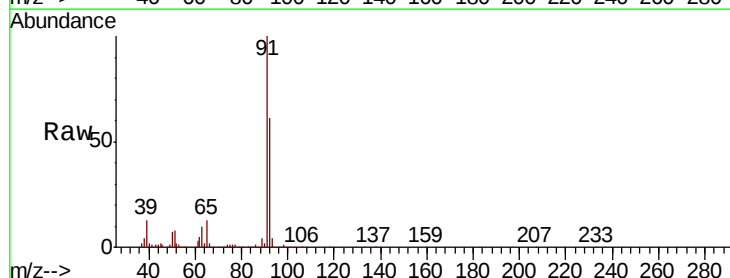
Acq: 2 Oct 2018 11:38

Tgt Ion: 92 Resp: 438535

Ion Ratio Lower Upper

92 100

91 164.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

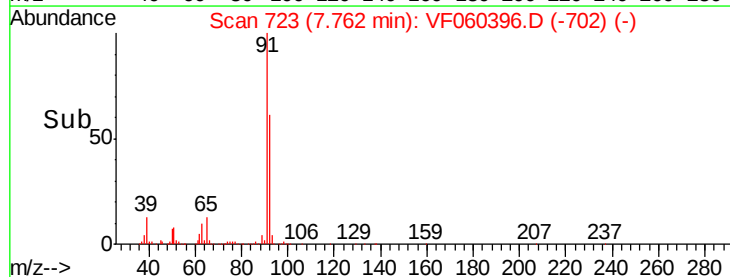
300000

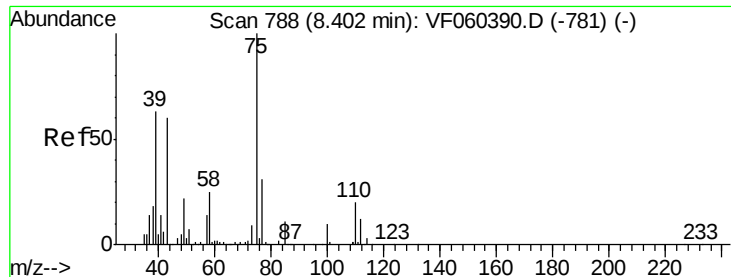
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.409 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

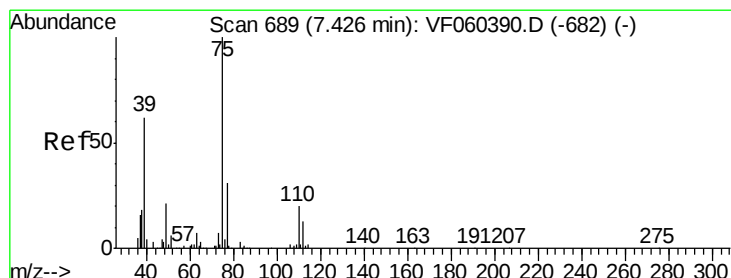
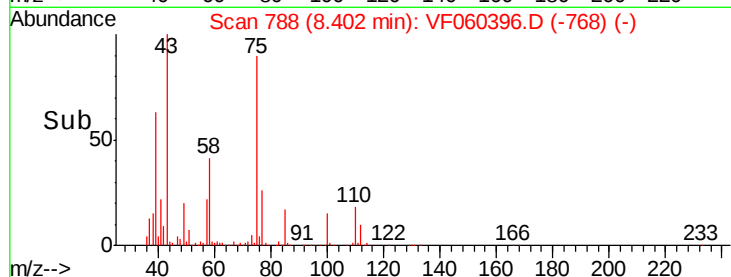
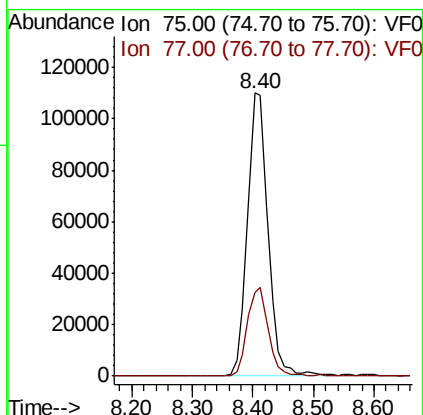
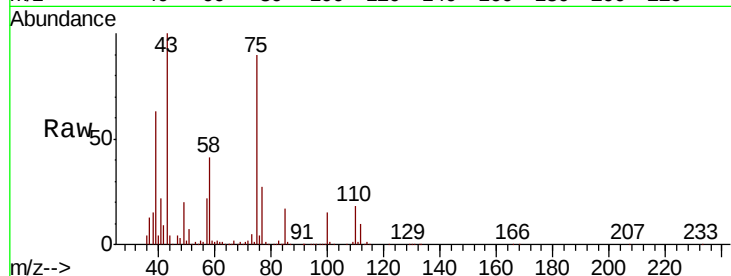
VSTDCCC050

Tot Ion: 75 Resp: 260856

Ion Ratio Lower Upper

75 100

77 29.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 53.548 ug/l

RT: 7.44 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

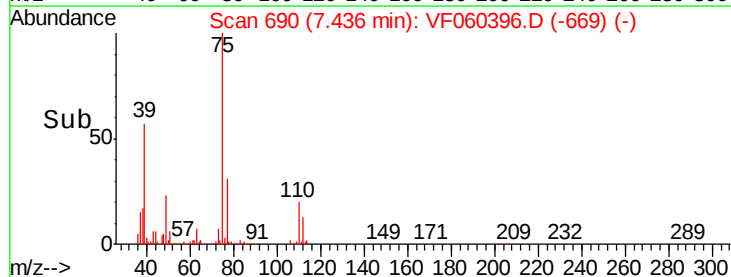
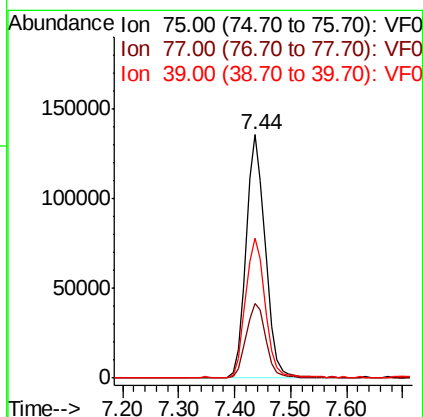
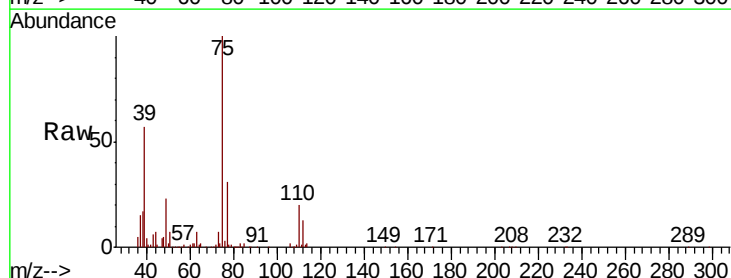
Tgt Ion: 75 Resp: 323851

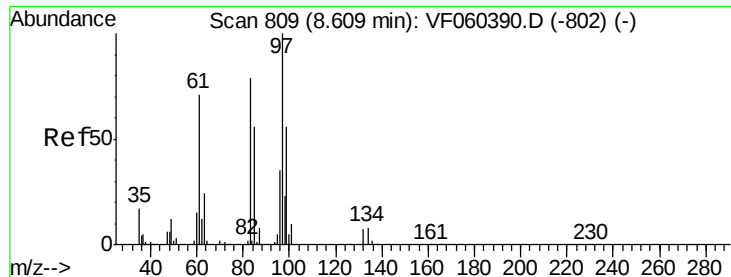
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 57.4 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 49.938 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 133876

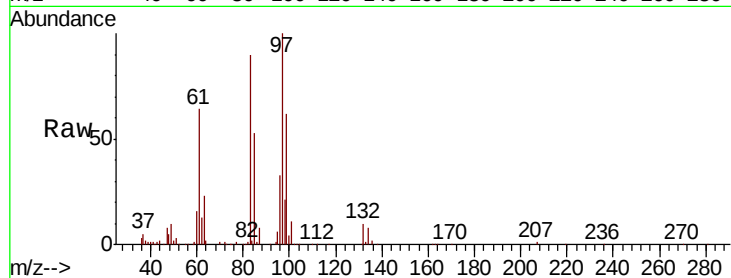
Ion Ratio Lower Upper

97 100

83 90.4 63.4 95.0

85 53.2 44.5 66.7

99 62.0 45.1 67.7

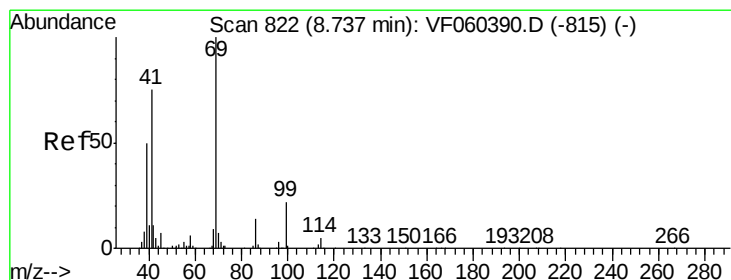
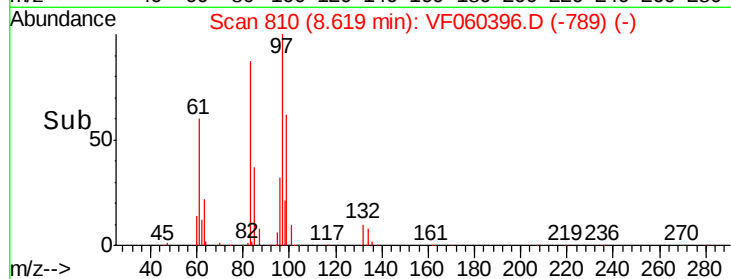
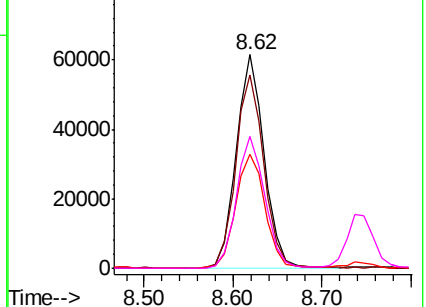


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 56.235 ug/l

RT: 8.74 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

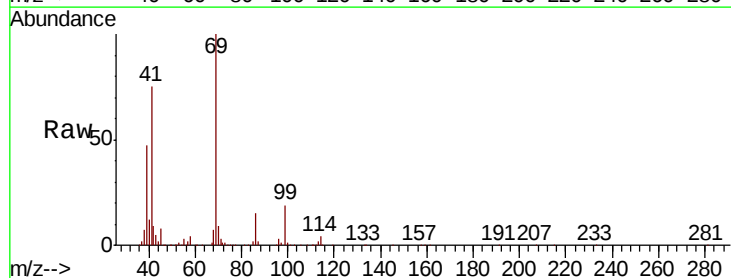
Tgt Ion: 69 Resp: 171308

Ion Ratio Lower Upper

69 100

41 74.5 60.2 90.4

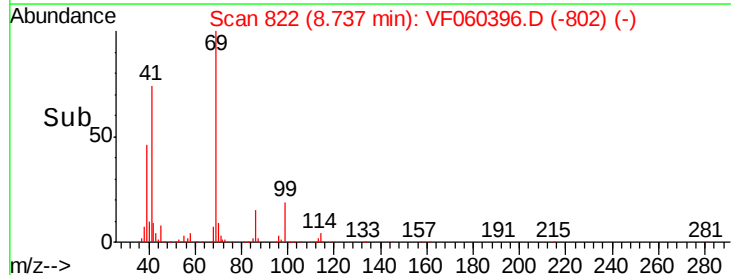
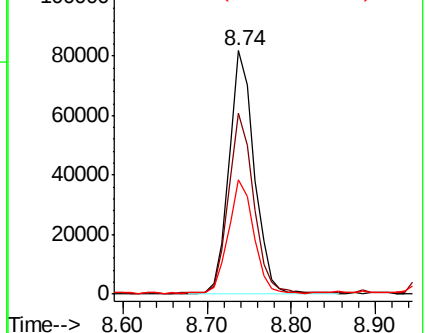
39 47.2 40.2 60.2

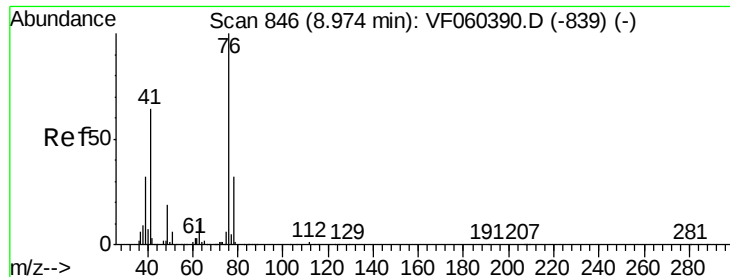


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.123 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

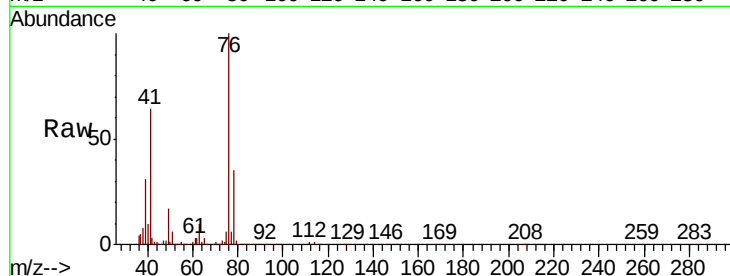
VSTDCCC050

Tot Ion: 76 Resp: 236392

Ion Ratio Lower Upper

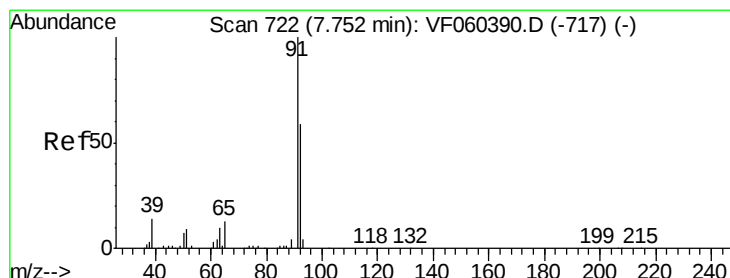
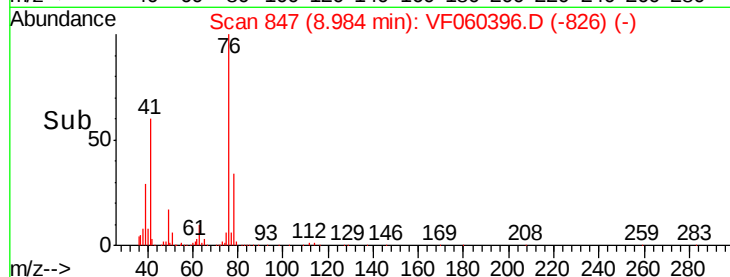
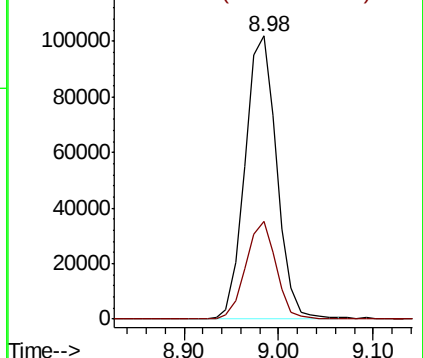
76 100

78 34.6 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 233.742 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060396.D

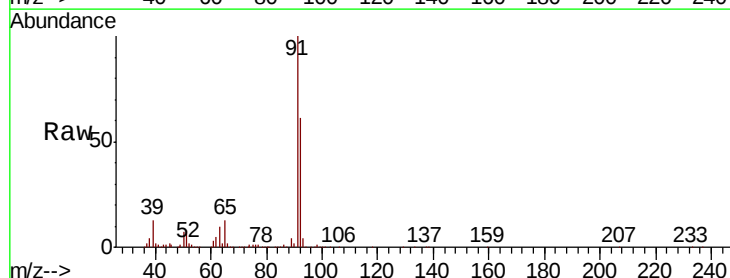
Acq: 2 Oct 2018 11:38

Tgt Ion: 63 Resp: 72732

Ion Ratio Lower Upper

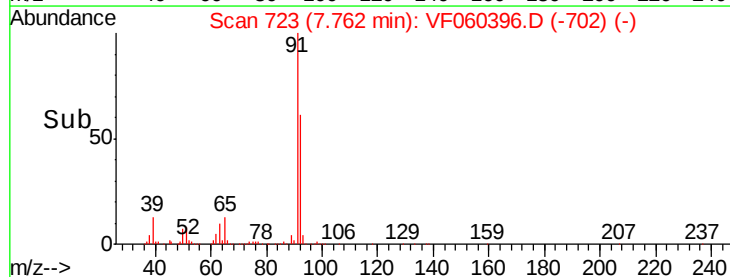
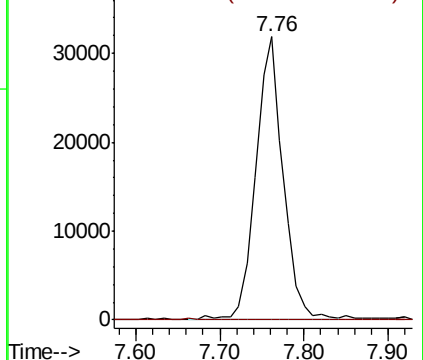
63 100

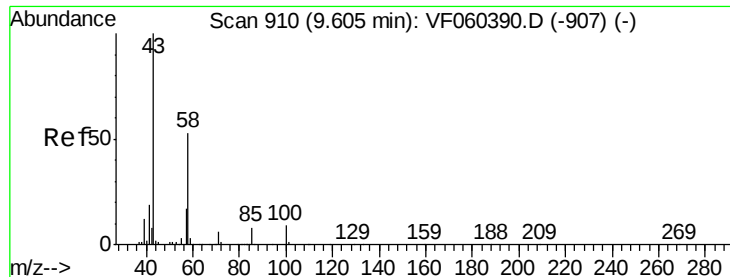
106 0.3 0.0 0.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 297.642 ug/l

RT: 9.61 min Scan# 911

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

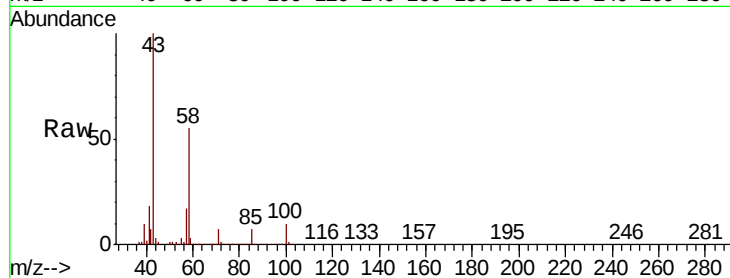
VSTDCCC050

Tot Ion: 43 Resp: 451100

Ion Ratio Lower Upper

43 100

58 54.6 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200000

150000

100000

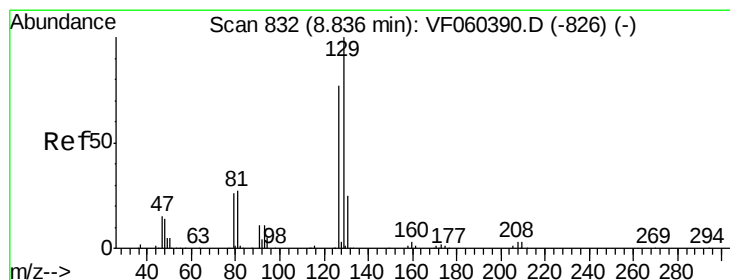
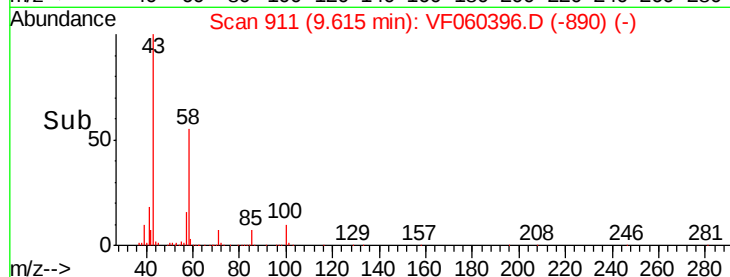
50000

0

9.60

9.70

Time-->



#60

Dibromochloromethane

Concen: 50.834 ug/l

RT: 8.85 min Scan# 833

Delta R.T. 0.01 min

Lab File: VF060396.D

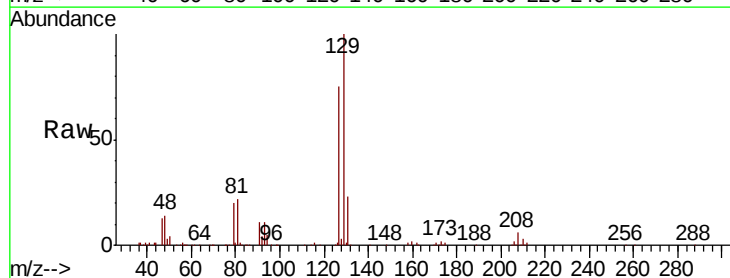
Acq: 2 Oct 2018 11:38

Tgt Ion: 129 Resp: 205187

Ion Ratio Lower Upper

129 100

127 75.1 38.3 114.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

100000

80000

60000

40000

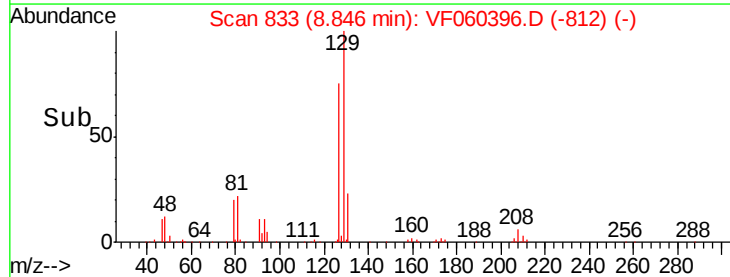
20000

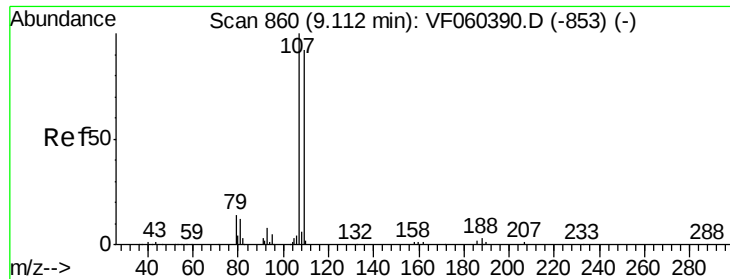
0

8.80

8.90

Time-->





#61

1,2-Dibromoethane

Concen: 53.112 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

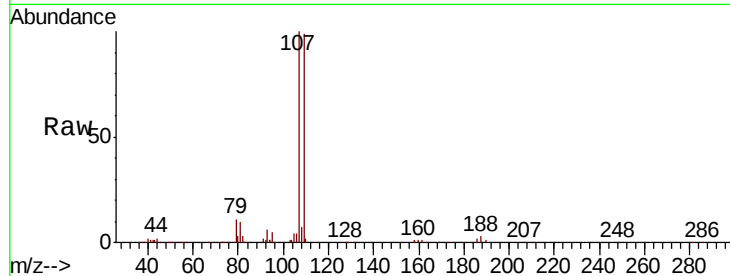
VSTDCCC050

Tot Ion:107 Resp: 155799

Ion Ratio Lower Upper

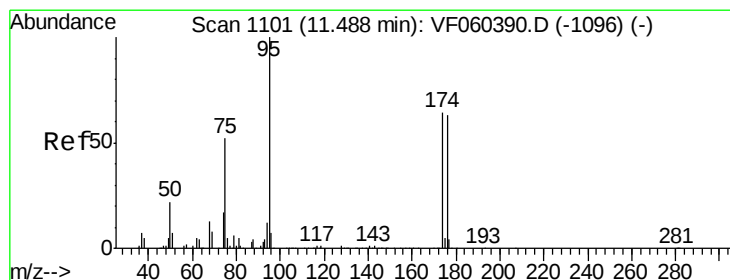
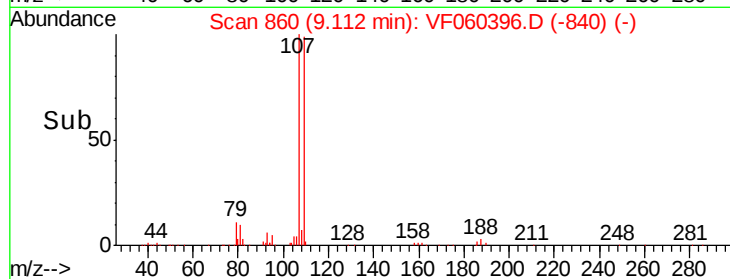
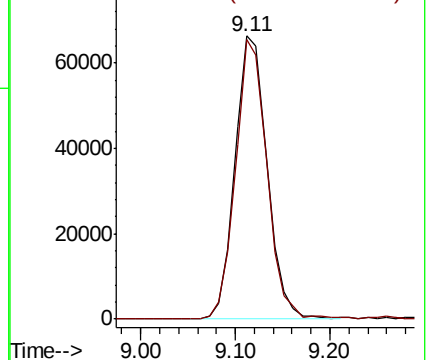
107 100

109 98.8 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.488 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

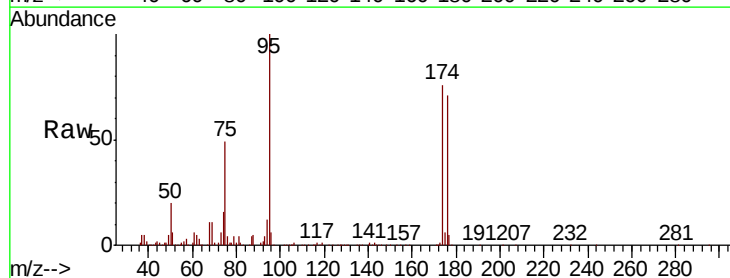
Tgt Ion: 95 Resp: 260590

Ion Ratio Lower Upper

95 100

174 75.6 0.0 129.0

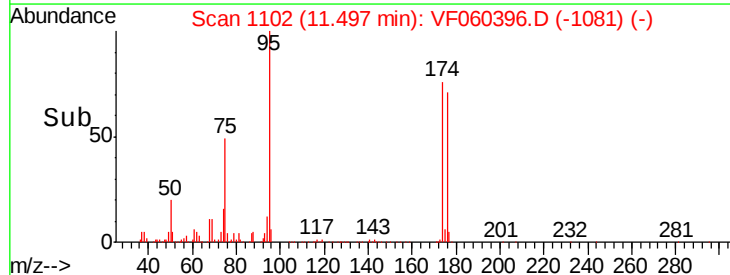
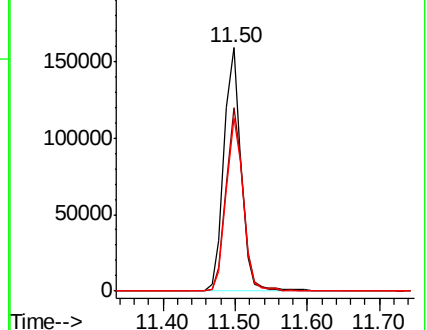
176 70.9 0.0 125.6

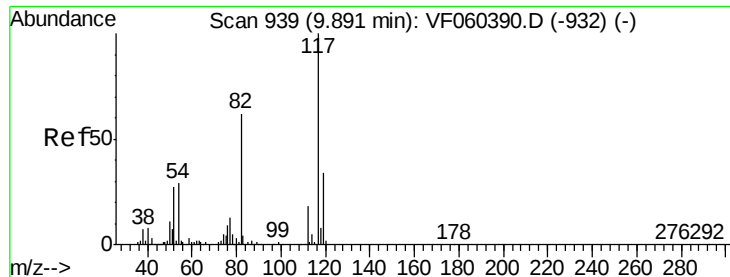


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

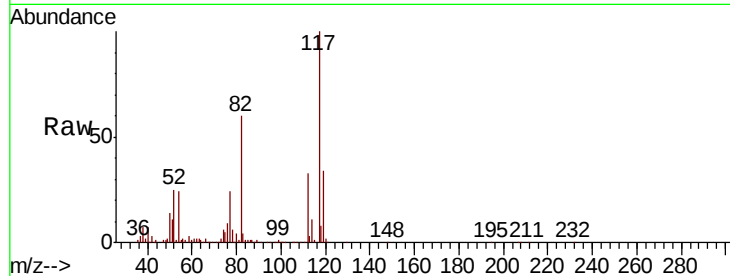




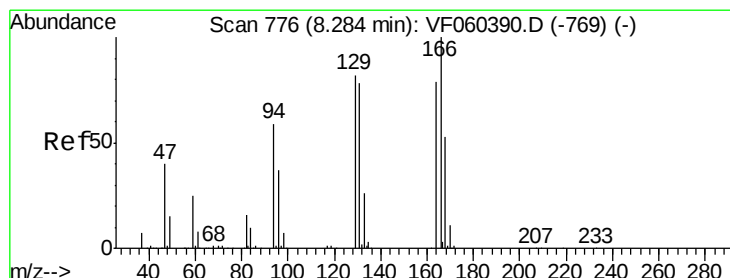
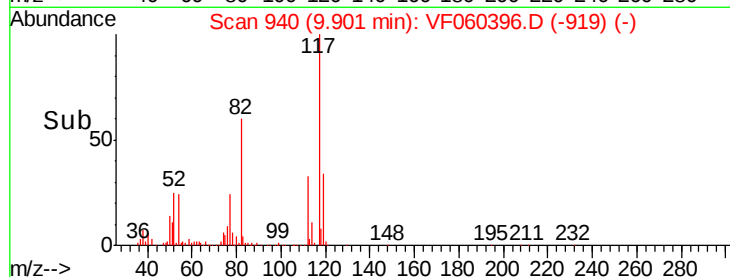
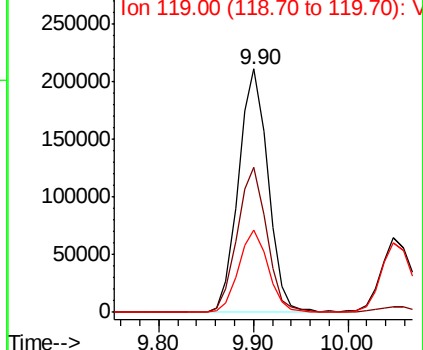
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 458635
Ion Ratio Lower Upper
117 100
82 59.7 49.5 74.3
119 33.6 27.0 40.6

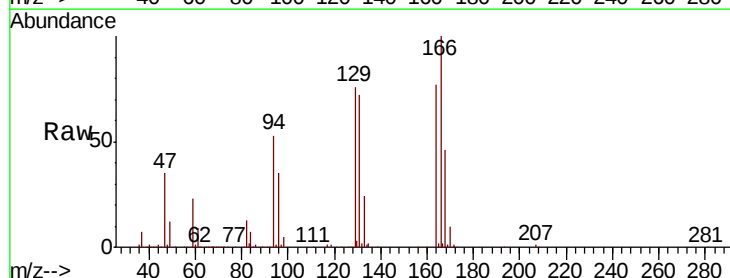


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

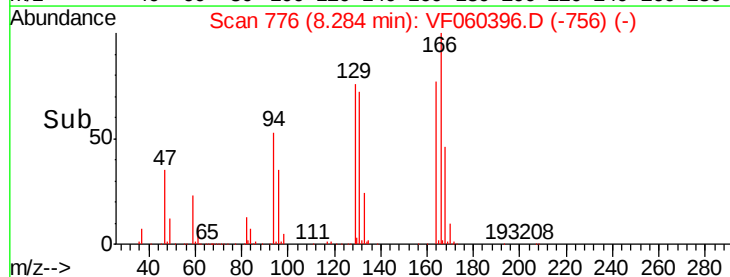
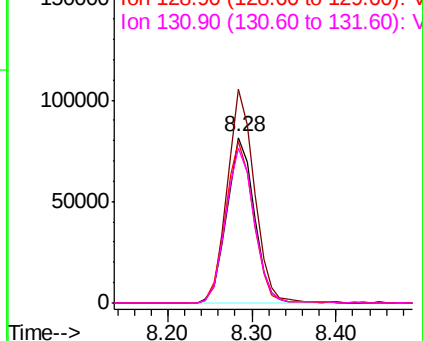


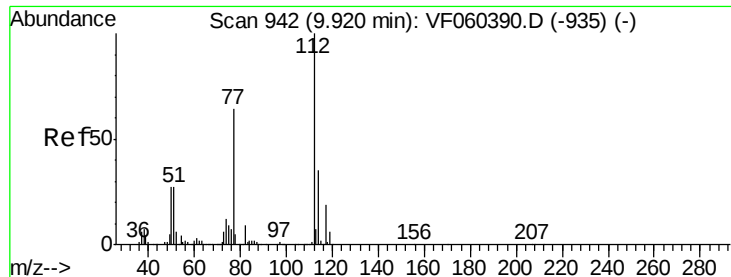
#64
Tetrachloroethene
Concen: 51.045 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion:164 Resp: 186105
Ion Ratio Lower Upper
164 100
166 129.3 101.0 151.6
129 97.8 82.5 123.7
131 93.7 79.2 118.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

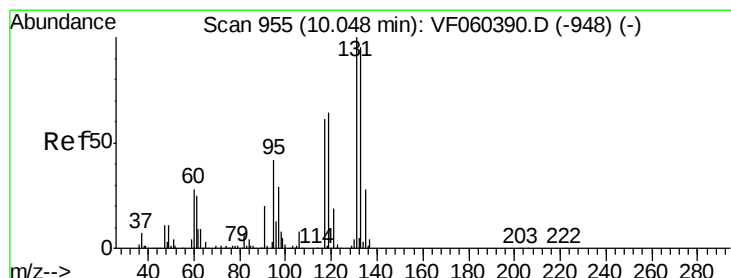
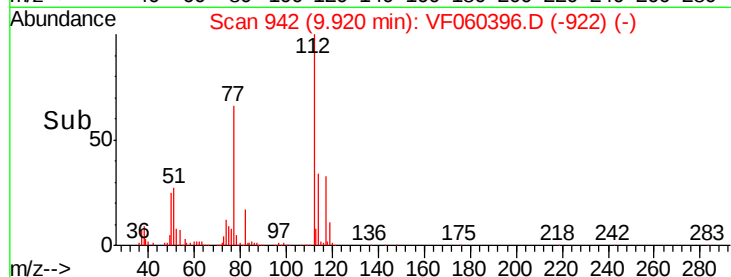
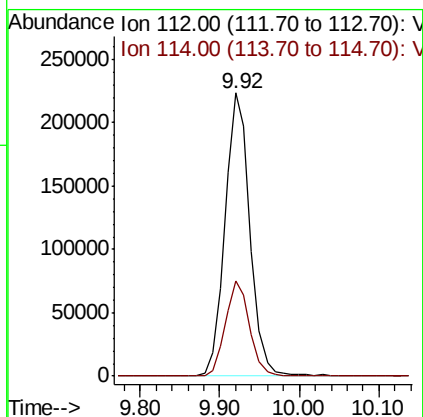
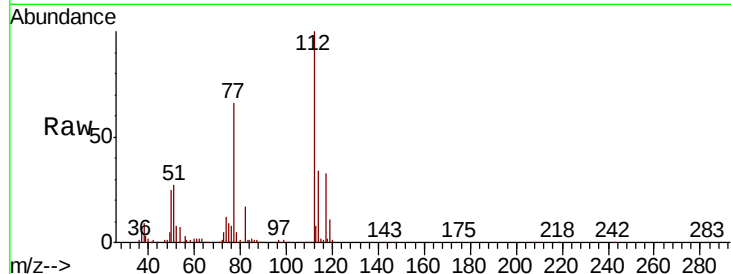




#65
Chlorobenzene
Concen: 52.180 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

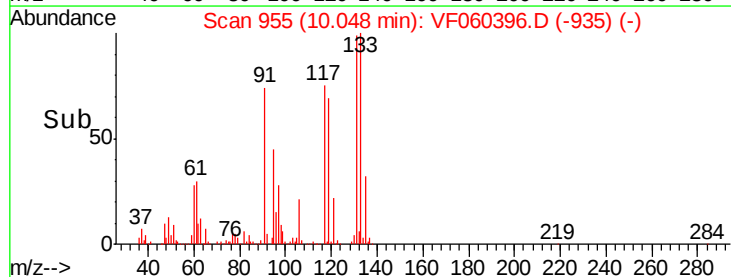
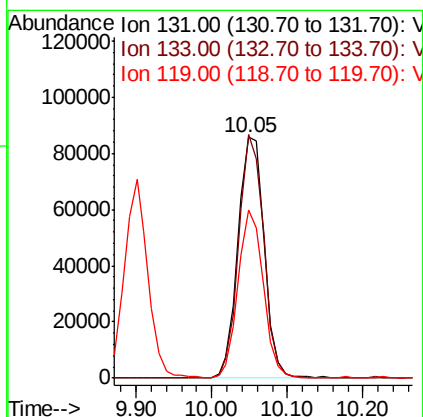
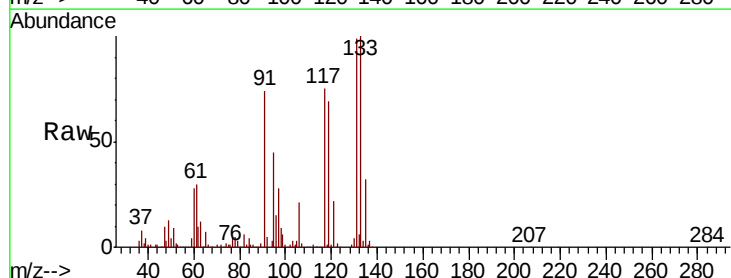
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

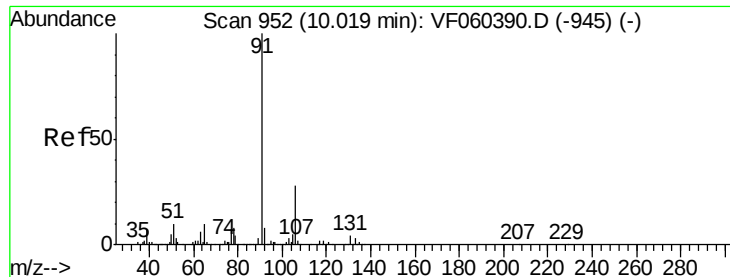
Tot Ion:112 Resp: 491605
Ion Ratio Lower Upper
112 100
114 33.6 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.930 ug/l
RT: 10.05 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion:131 Resp: 205396
Ion Ratio Lower Upper
131 100
133 101.2 47.3 141.8
119 69.9 32.3 96.9





#67

Ethyl Benzene

Concen: 51.135 ug/l

RT: 10.02 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

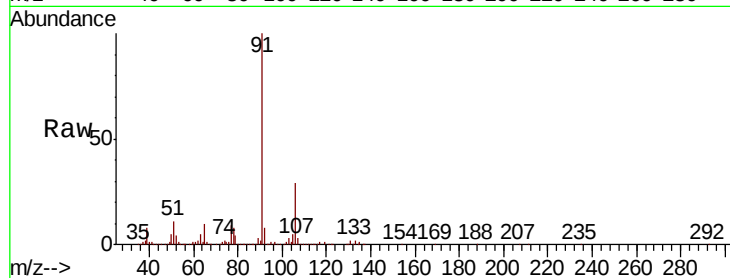
VSTDCCC050

Tot Ion: 91 Resp: 915996

Ion Ratio Lower Upper

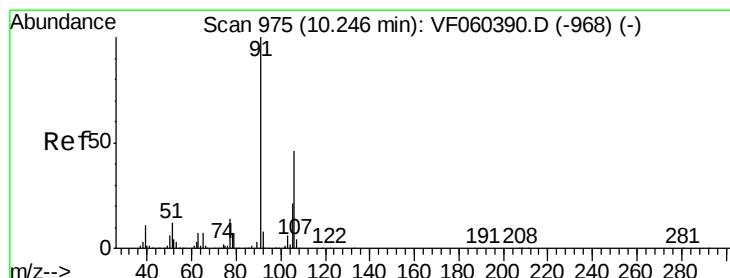
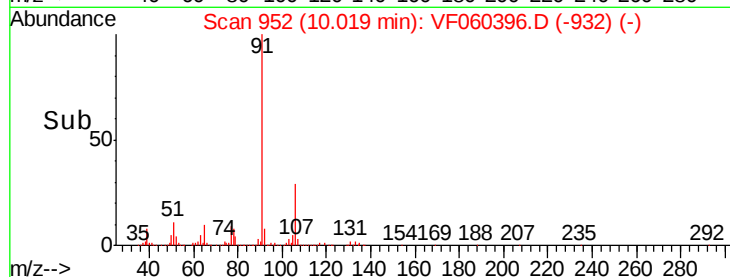
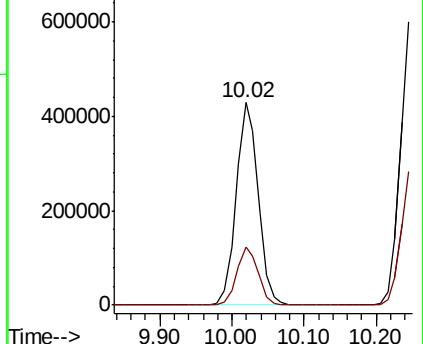
91 100

106 28.9 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.027 ug/l

RT: 10.26 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060396.D

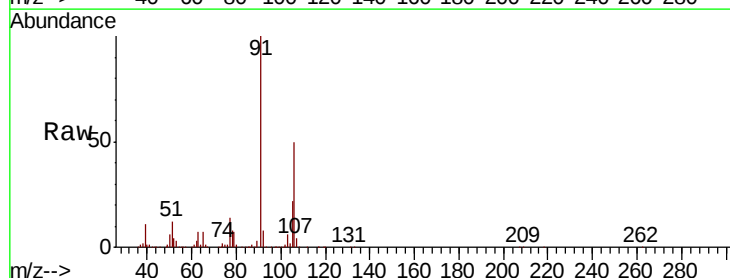
Acq: 2 Oct 2018 11:38

Tgt Ion: 106 Resp: 634440

Ion Ratio Lower Upper

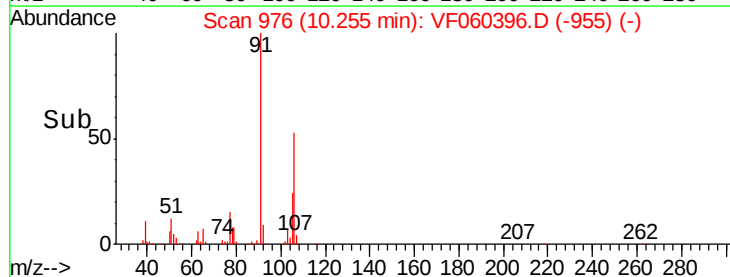
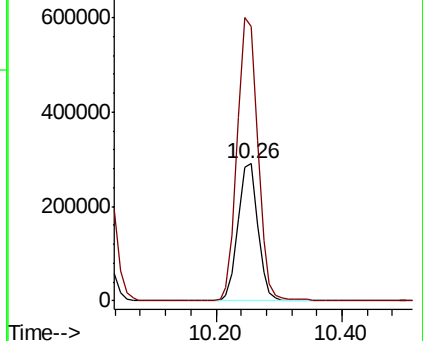
106 100

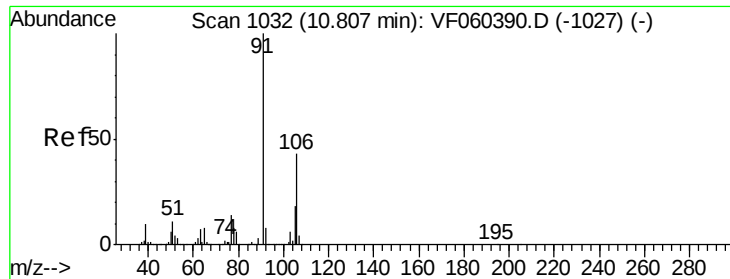
91 200.2 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

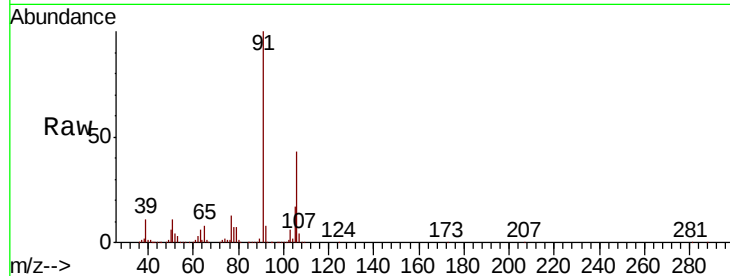




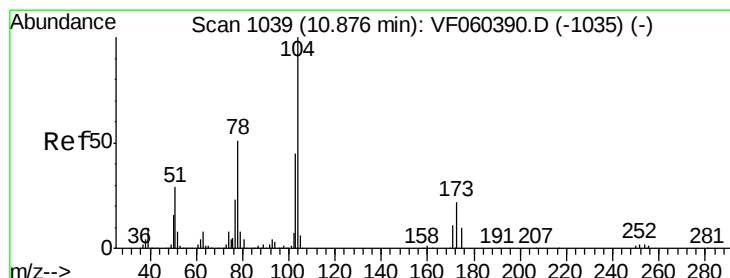
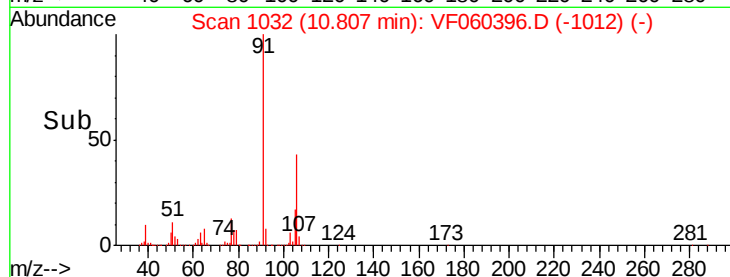
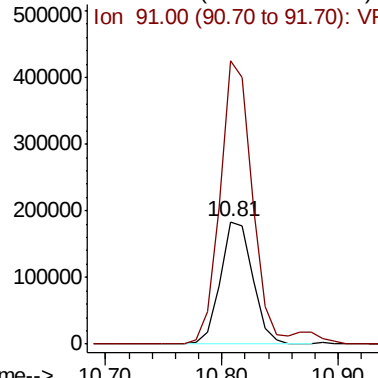
#69
o-Xylene
Concen: 52.594 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 353025
Ion Ratio Lower Upper
106 100
91 231.2 115.1 345.2

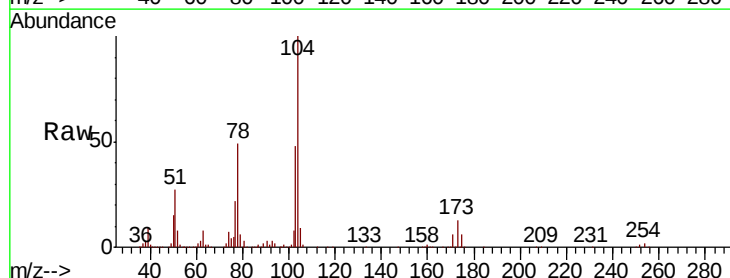


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

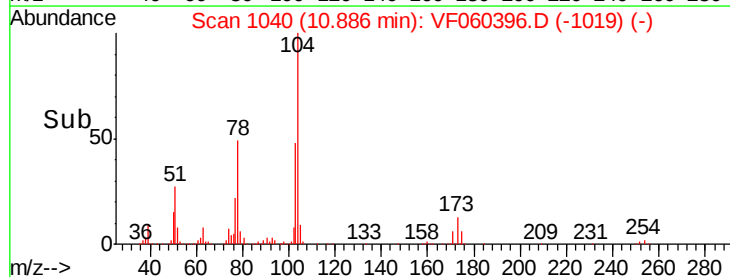
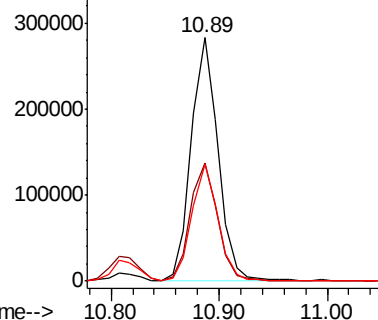


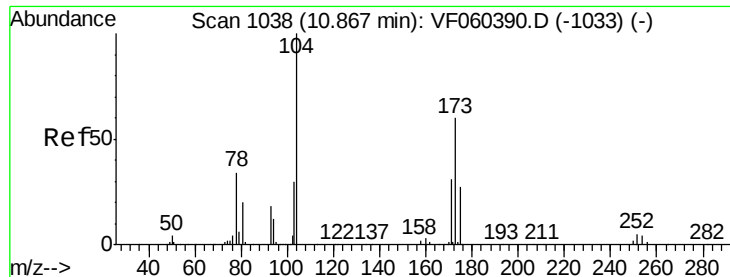
#70
Styrene
Concen: 51.043 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Tgt Ion:104 Resp: 487336
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.4
103 48.1 36.4 54.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.556 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

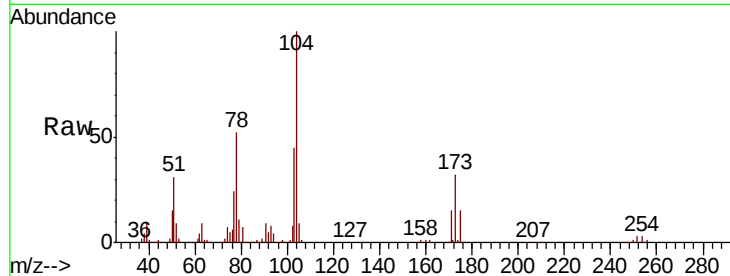
Tot Ion:173 Resp: 115104

Ion Ratio Lower Upper

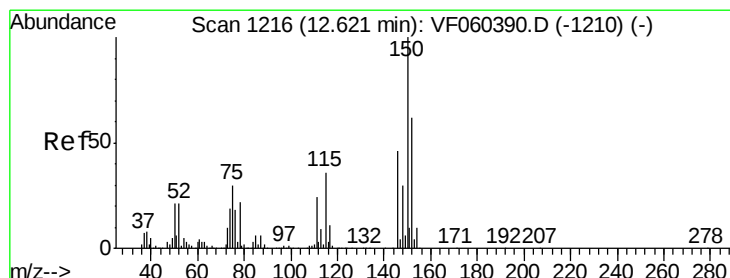
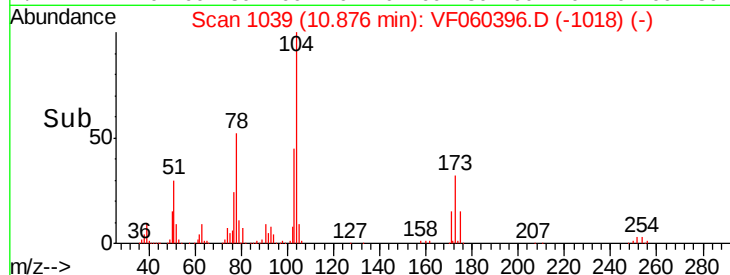
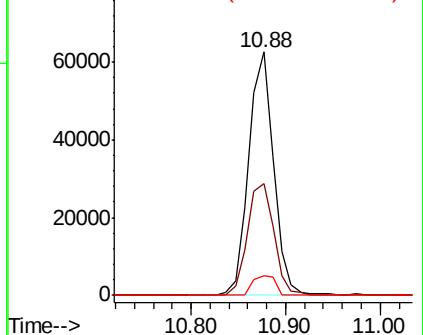
173 100

175 45.8 22.1 66.1

254 8.3 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

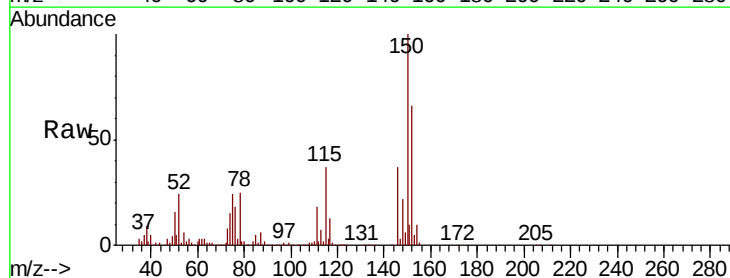
Tgt Ion:152 Resp: 250149

Ion Ratio Lower Upper

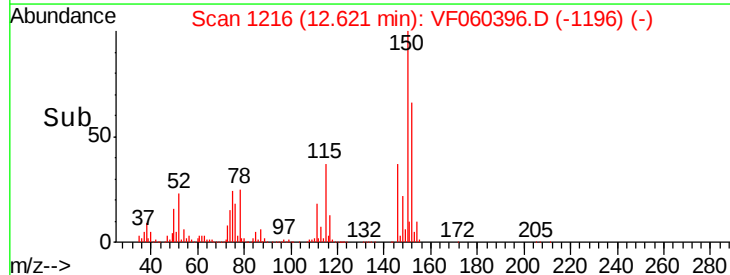
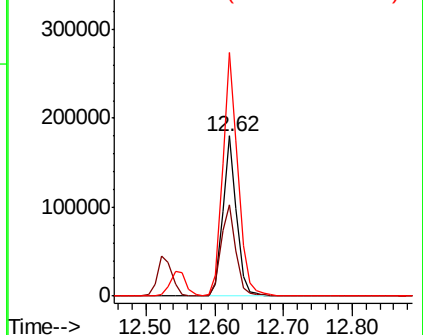
152 100

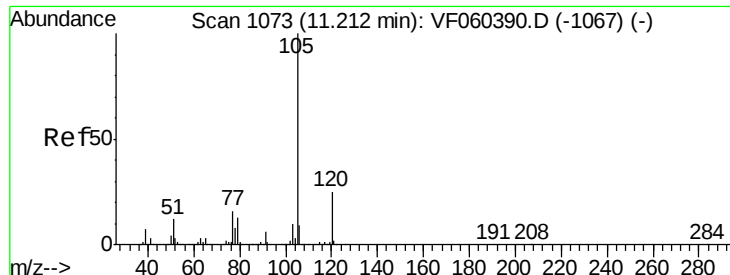
115 56.9 28.6 85.8

150 152.0 0.0 324.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.779 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

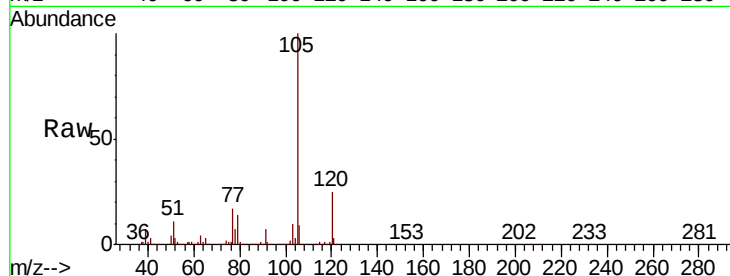
VSTDCCC050

Tot Ion:105 Resp: 1019845

Ion Ratio Lower Upper

105 100

120 25.4 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

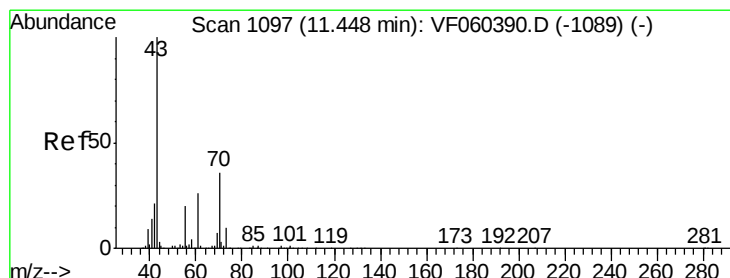
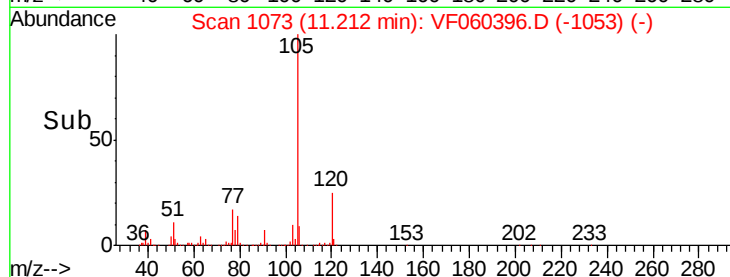
400000

200000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 58.897 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Tgt Ion: 43 Resp: 266234

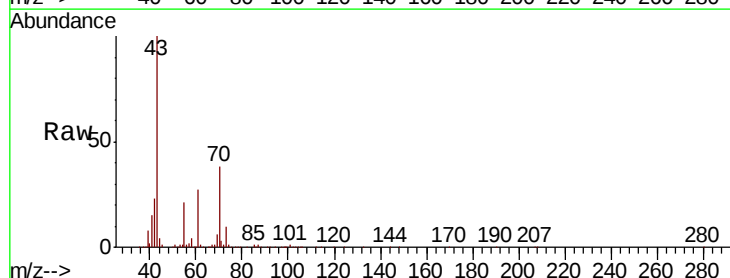
Ion Ratio Lower Upper

43 100

70 38.1 29.1 43.7

55 20.6 16.3 24.5

61 26.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250000

200000

150000

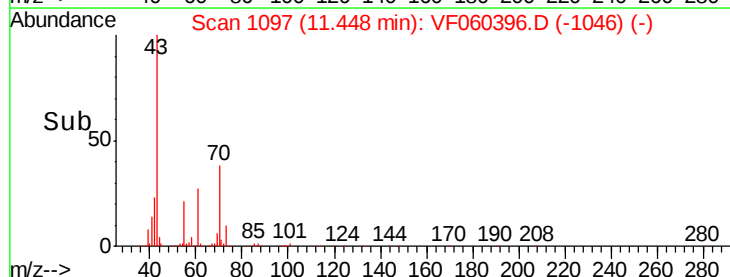
100000

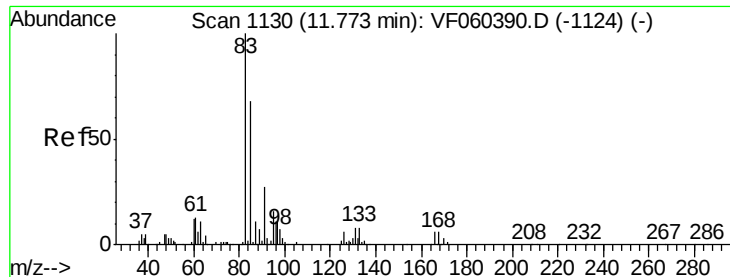
50000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.320 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

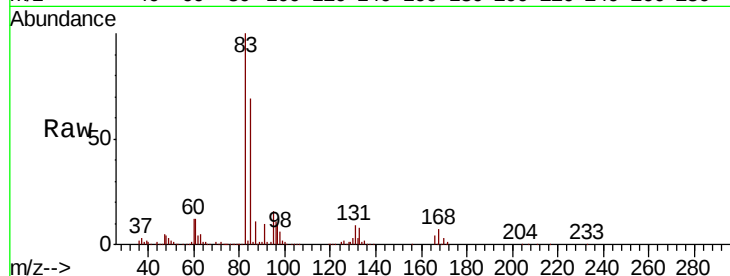
Tot Ion: 83 Resp: 187875

Ion Ratio Lower Upper

83 100

131 9.0 4.0 12.0

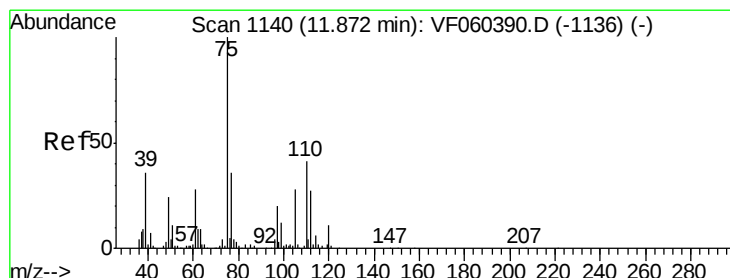
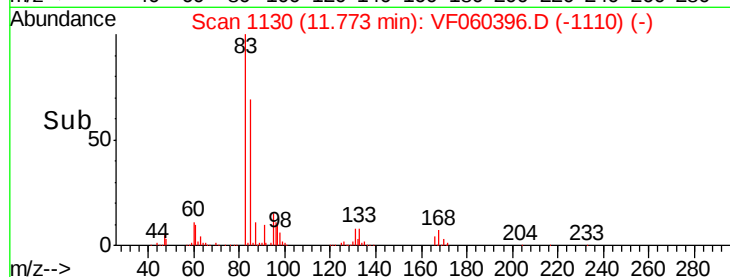
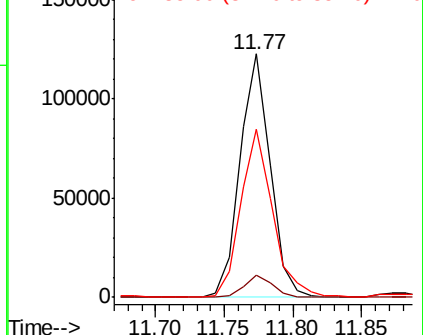
85 69.1 34.0 102.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.575 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060396.D

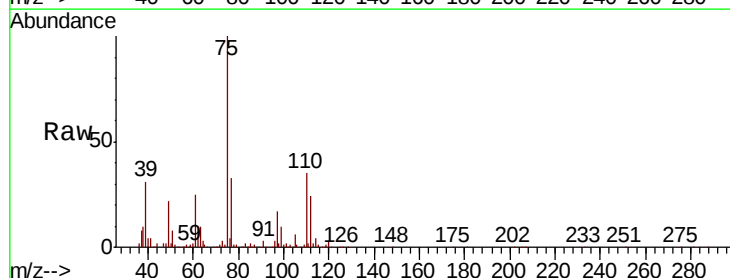
Acq: 2 Oct 2018 11:38

Tgt Ion: 75 Resp: 136344

Ion Ratio Lower Upper

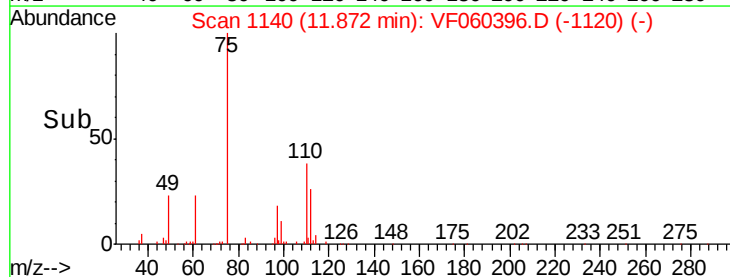
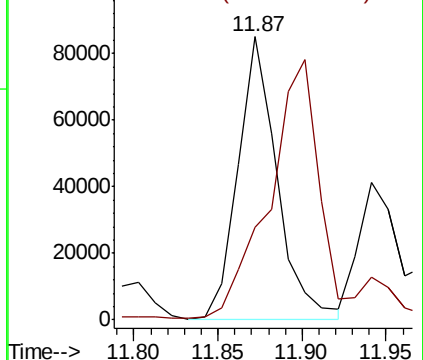
75 100

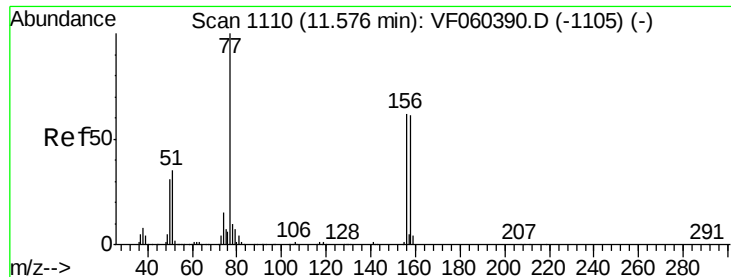
77 32.7 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.341 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

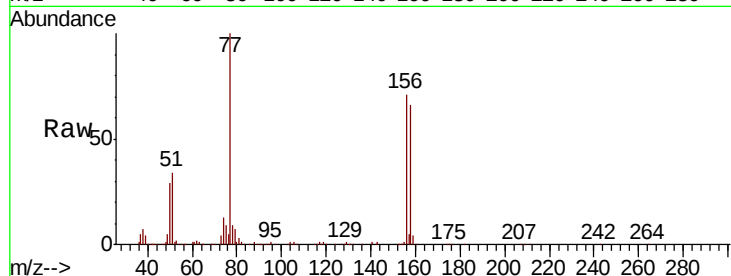
Tot Ion:156 Resp: 221640

Ion Ratio Lower Upper

156 100

77 141.7 81.3 243.9

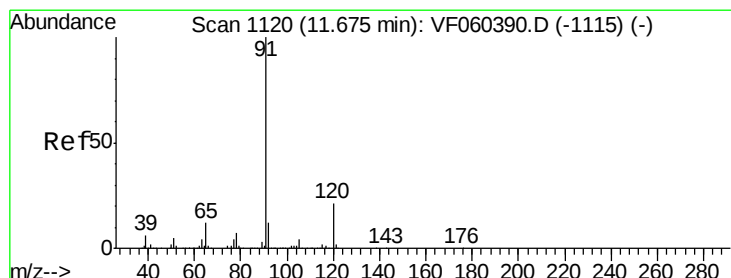
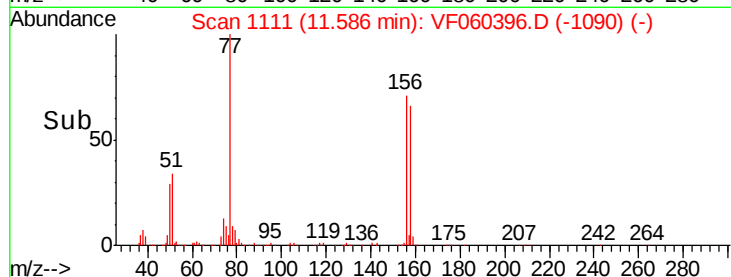
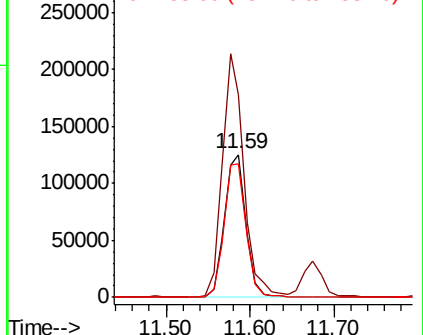
158 93.9 49.6 149.0



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: 49.951 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060396.D

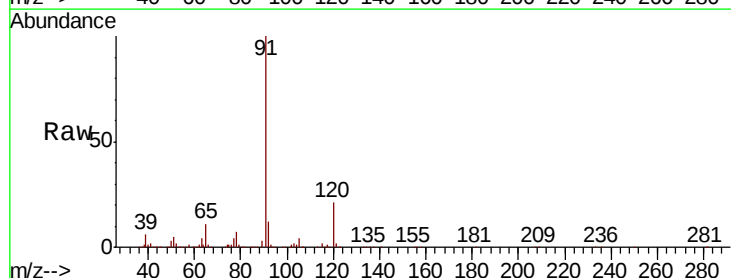
Acq: 2 Oct 2018 11:38

Tgt Ion: 91 Resp: 1192711

Ion Ratio Lower Upper

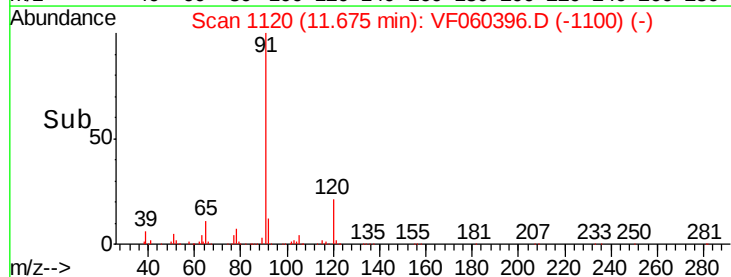
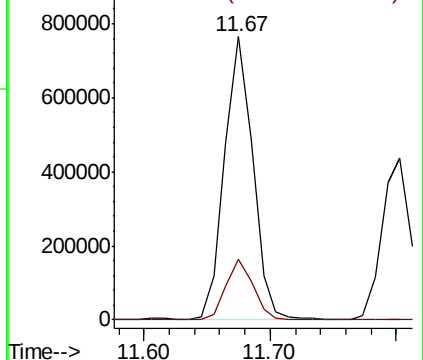
91 100

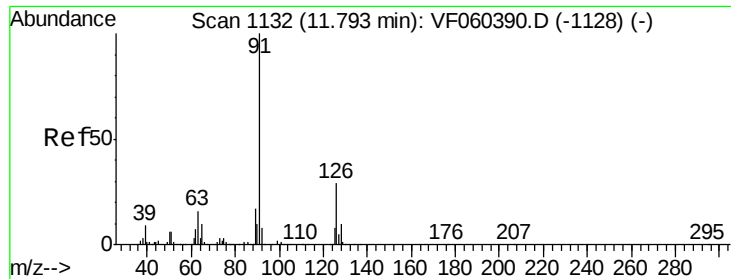
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

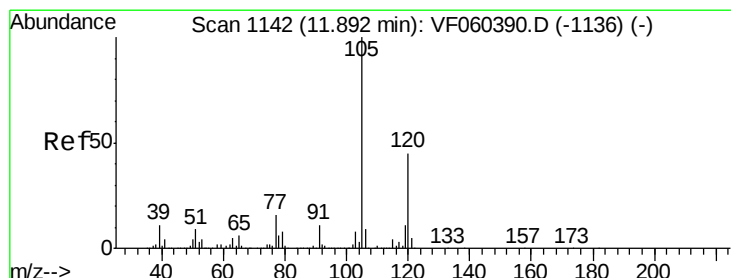
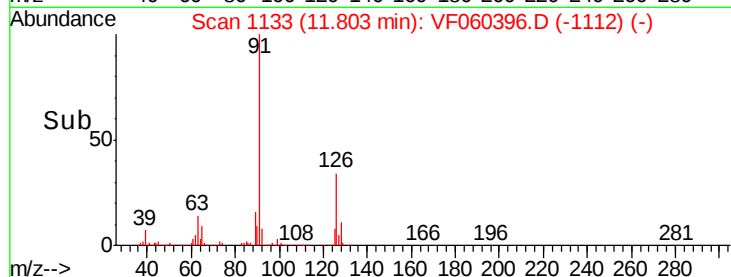
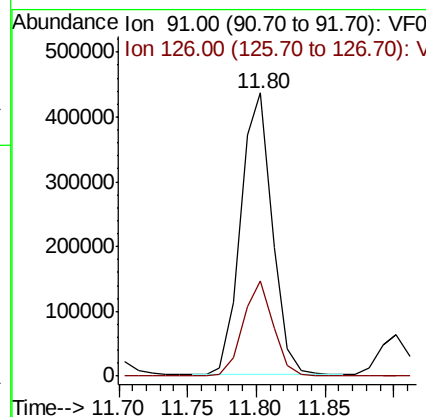
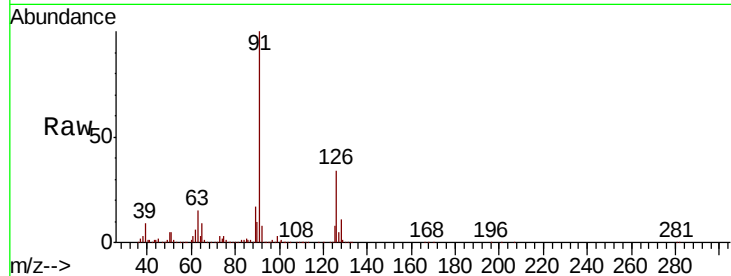




#79
 2-Chlorotoluene
 Concen: 49.749 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

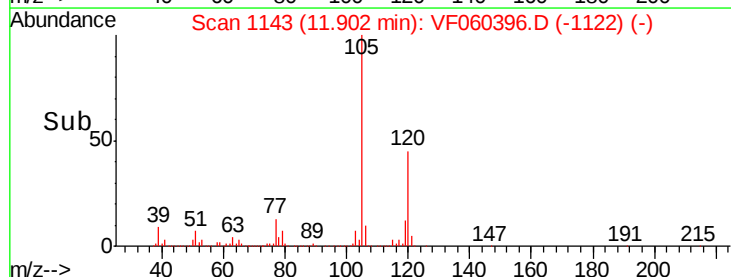
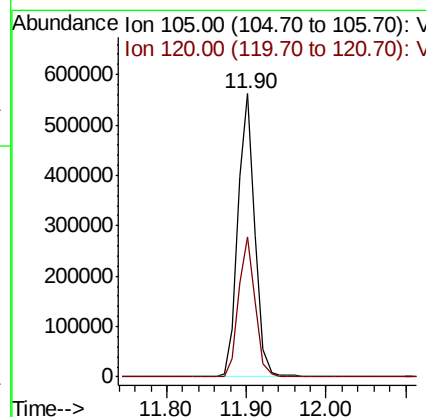
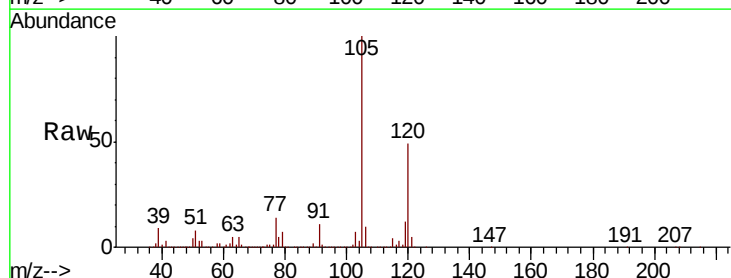
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

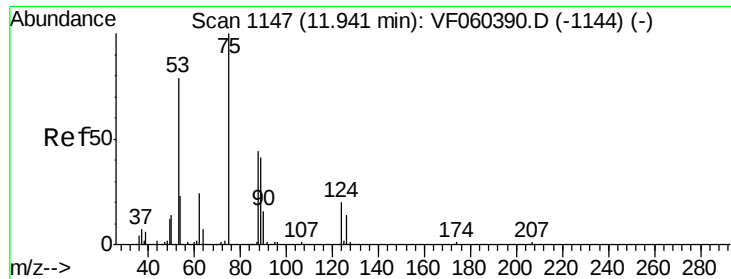
Tot Ion: 91 Resp: 694870
 Ion Ratio Lower Upper
 91 100
 126 33.7 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.145 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion: 105 Resp: 839122
 Ion Ratio Lower Upper
 105 100
 120 49.4 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 74.299 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

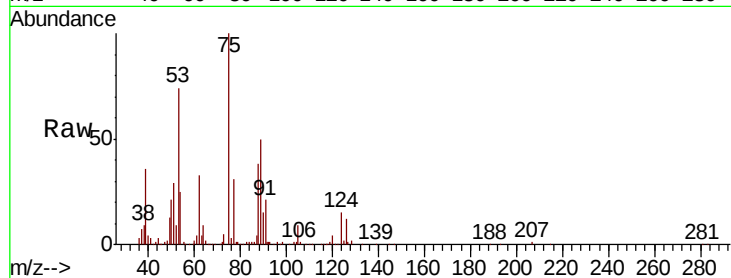
Tot Ion: 75 Resp: 87068

Ion Ratio Lower Upper

75 100

53 74.0 67.8 101.8

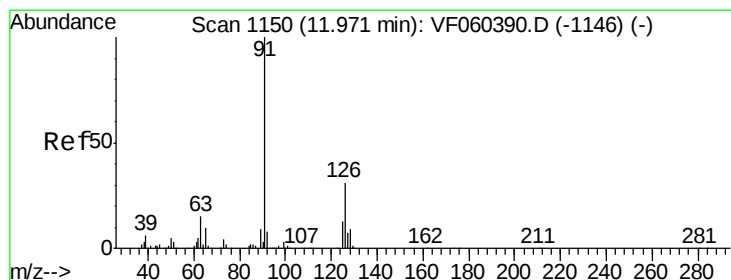
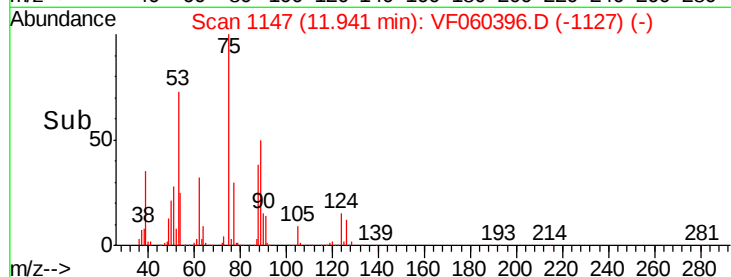
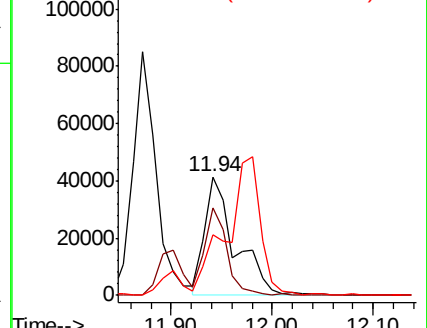
89 50.5 36.7 55.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.680 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF060396.D

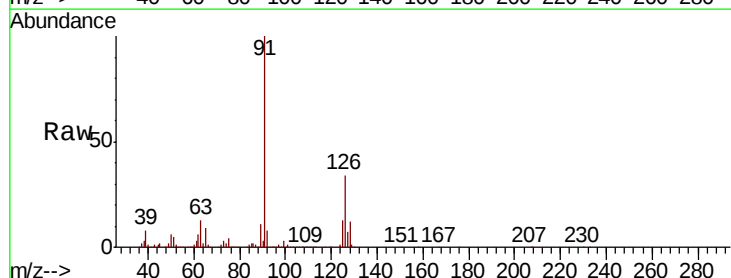
Acq: 2 Oct 2018 11:38

Tgt Ion: 91 Resp: 709976

Ion Ratio Lower Upper

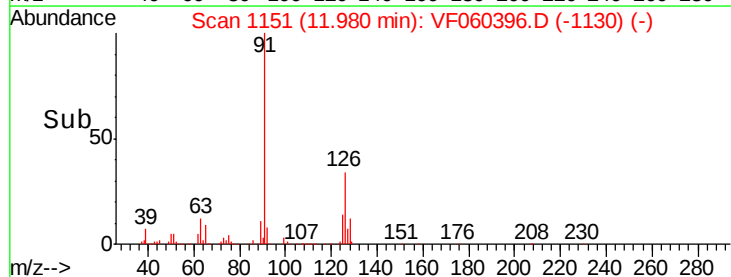
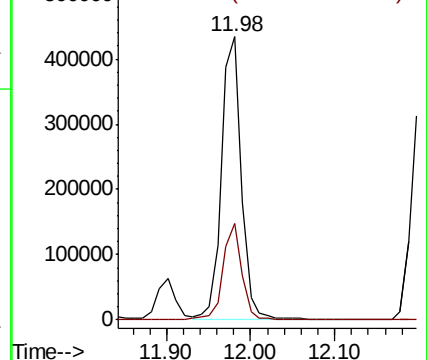
91 100

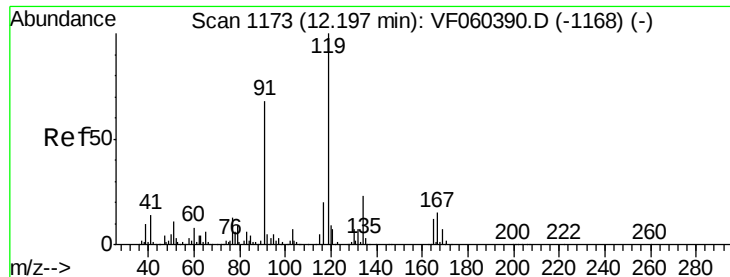
126 34.1 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 50.862 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

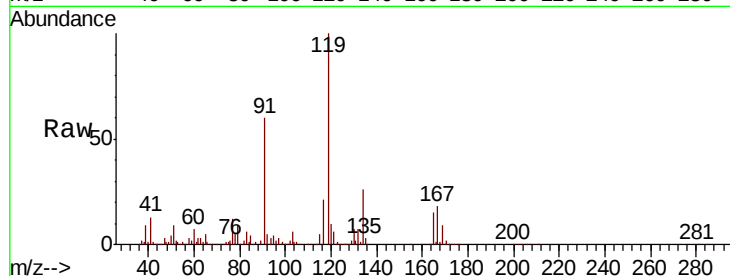
Tot Ion:119 Resp: 839481

Ion Ratio Lower Upper

119 100

91 60.4 34.0 102.0

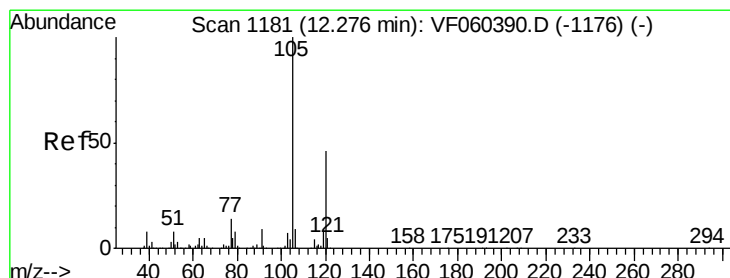
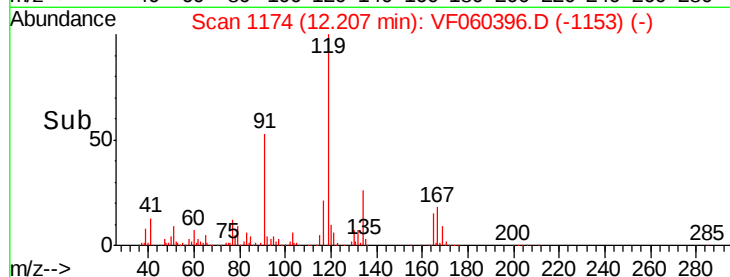
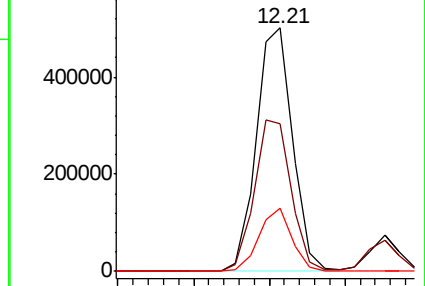
134 25.8 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.312 ug/l

RT: 12.28 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VF060396.D

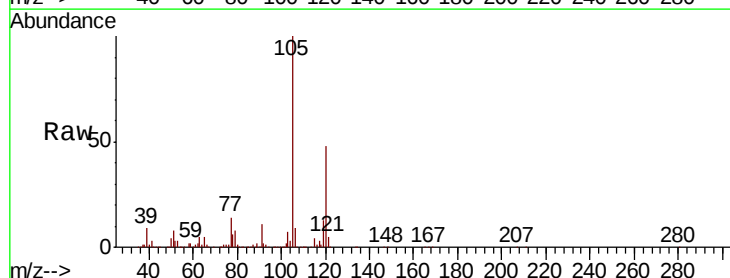
Acq: 2 Oct 2018 11:38

Tgt Ion:105 Resp: 851555

Ion Ratio Lower Upper

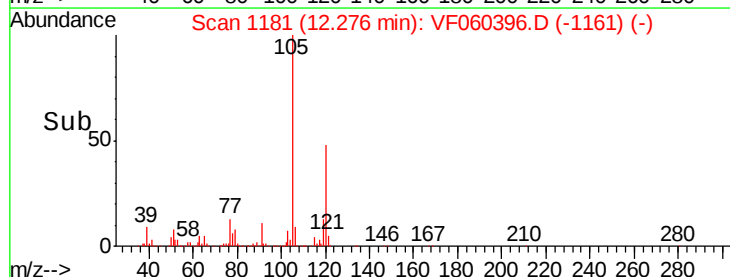
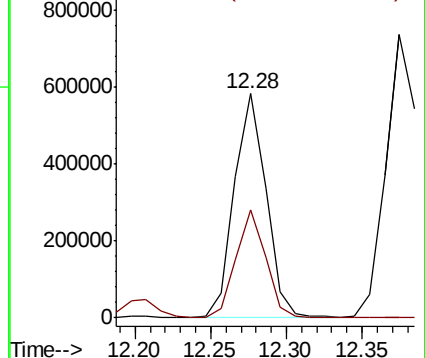
105 100

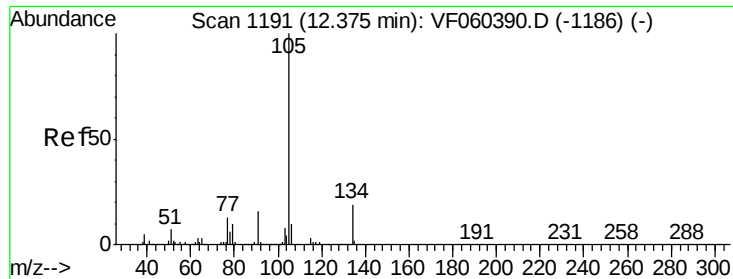
120 48.0 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

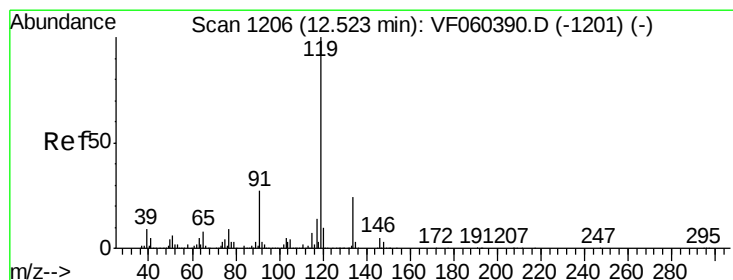
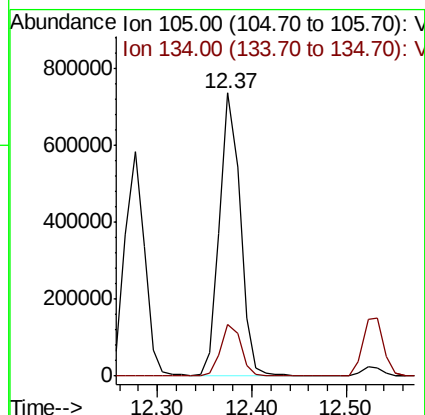
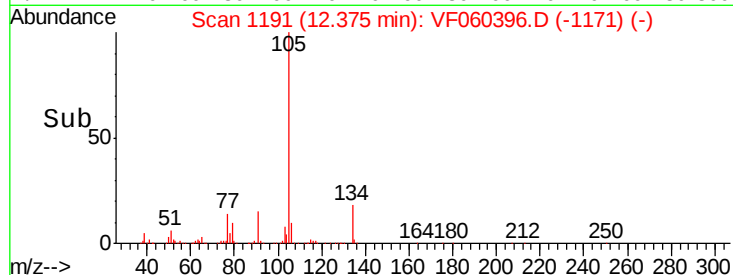
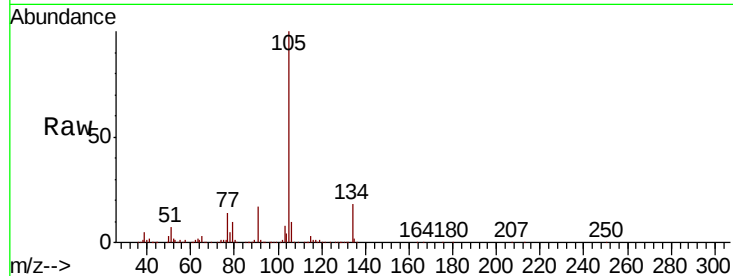




#85
 sec-Butylbenzene
 Concen: 49.277 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

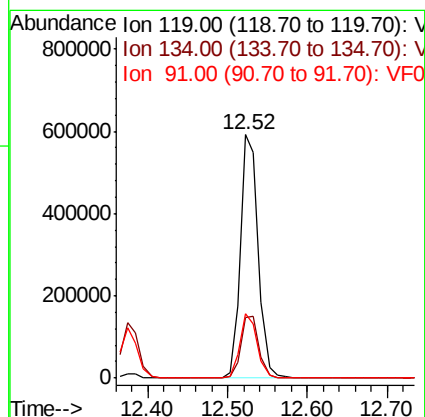
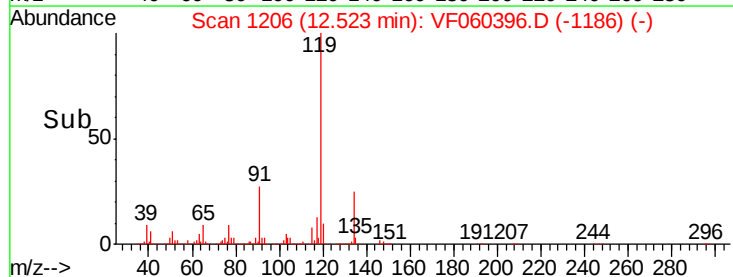
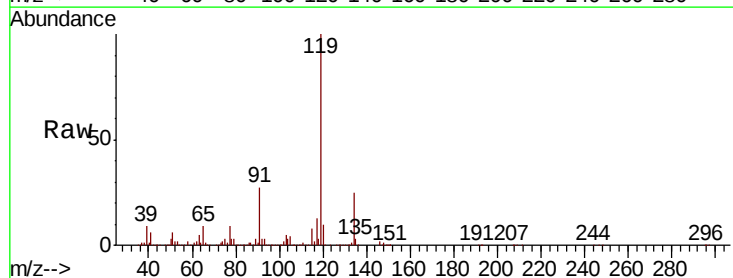
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

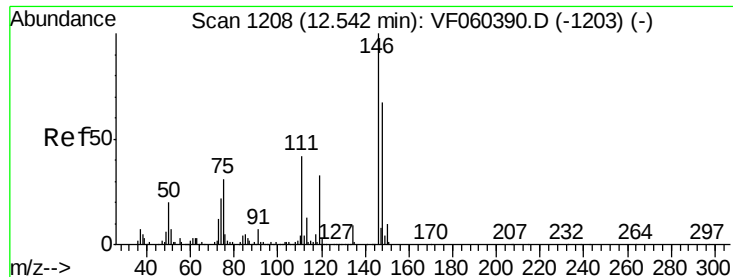
Tot Ion:105 Resp: 1122630
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 49.513 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Tgt Ion:119 Resp: 921566
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 26.7 13.5 40.4

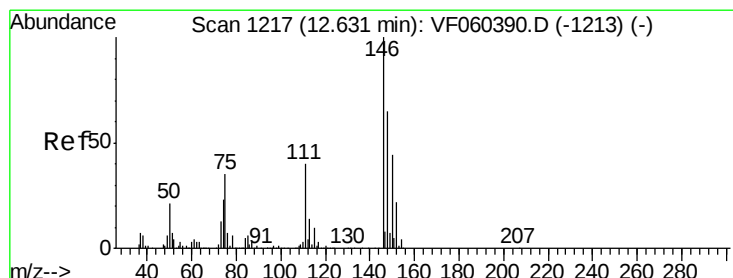
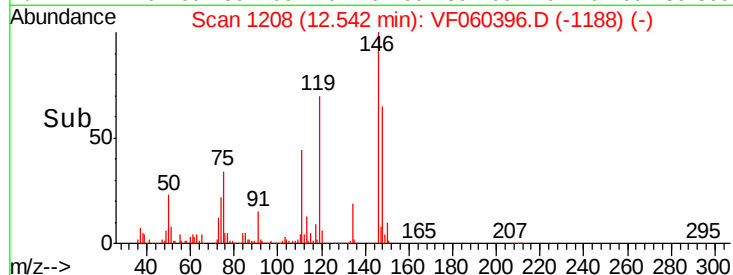
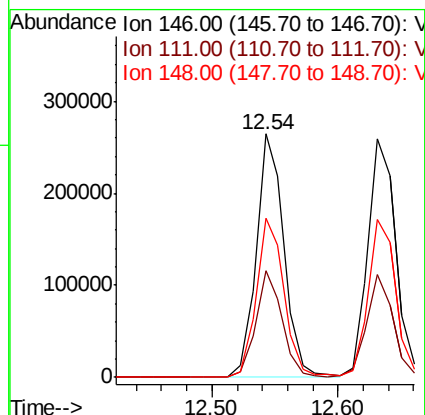
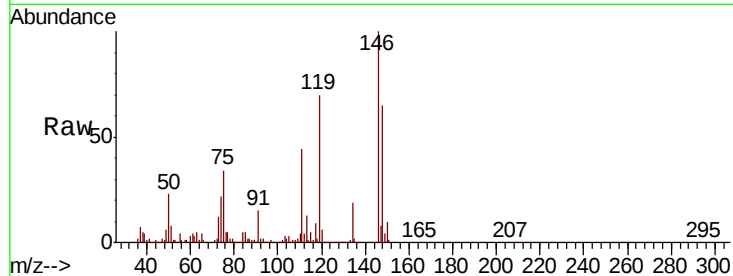




#87
 1,3-Dichlorobenzene
 Concen: 48.843 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

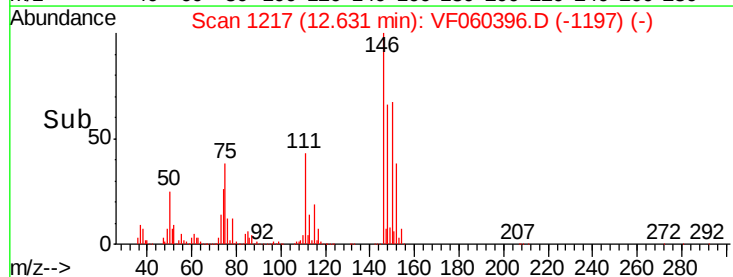
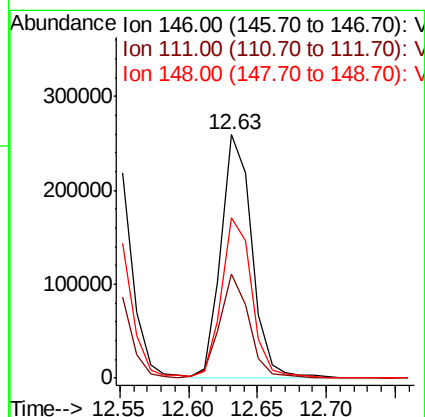
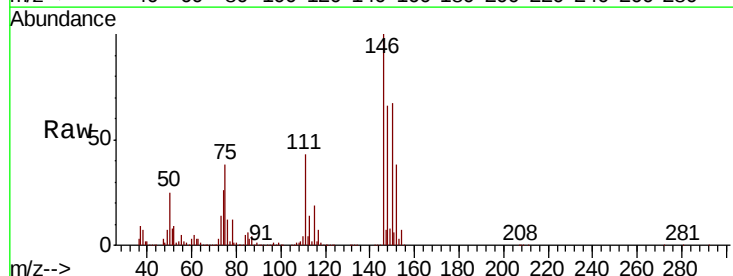
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

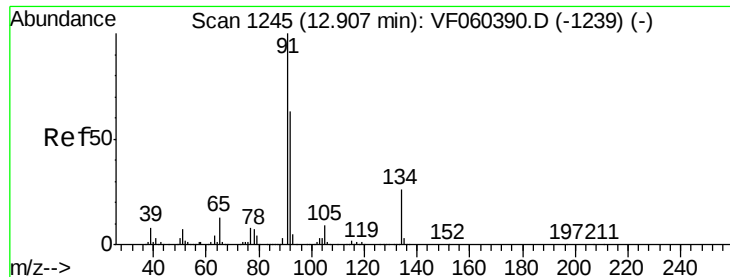
Tot Ion:146 Resp: 404662
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.9 62.7
 148 65.5 33.6 100.8



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

Tgt Ion:146 Resp: 403067
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.2 60.6
 148 65.9 32.6 97.8





#89

n-Butylbenzene

Concen: 49.089 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VF060396.D

Acq: 2 Oct 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

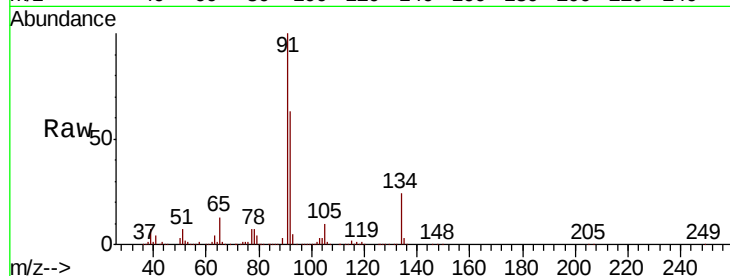
Tot Ion: 91 Resp: 966829

Ion Ratio Lower Upper

91 100

92 63.3 31.3 93.9

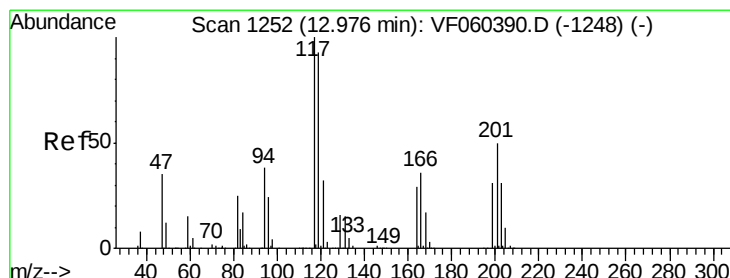
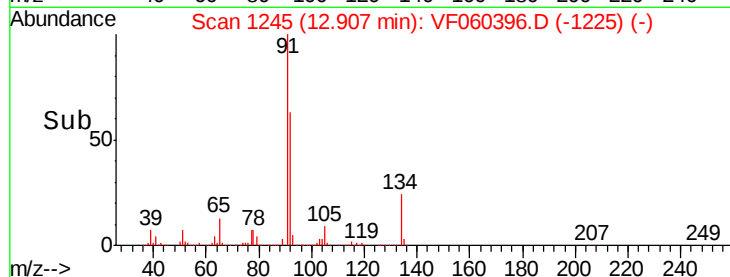
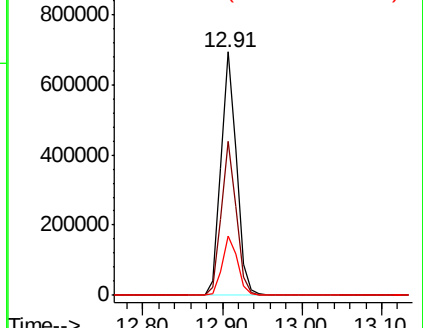
134 24.3 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.098 ug/l

RT: 12.99 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VF060396.D

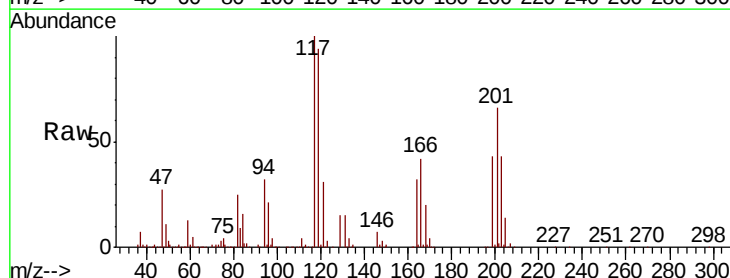
Acq: 2 Oct 2018 11:38

Tgt Ion: 117 Resp: 245812

Ion Ratio Lower Upper

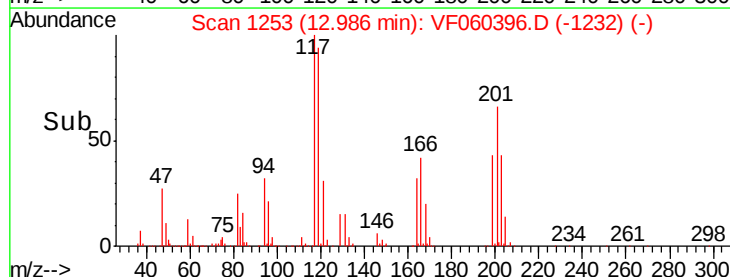
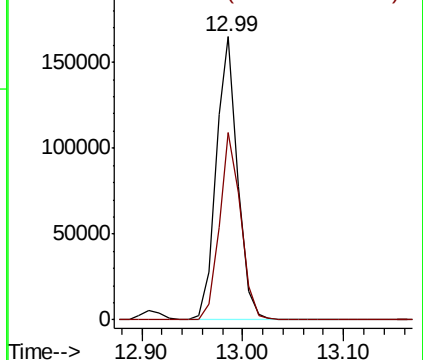
117 100

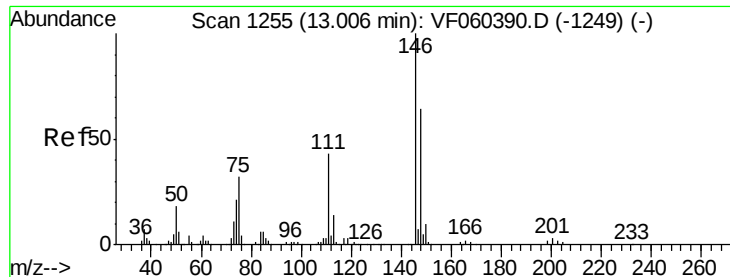
201 66.0 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

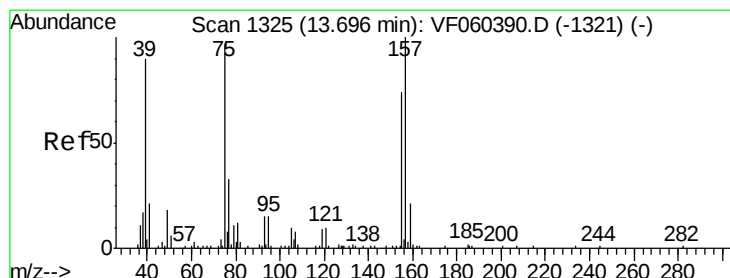
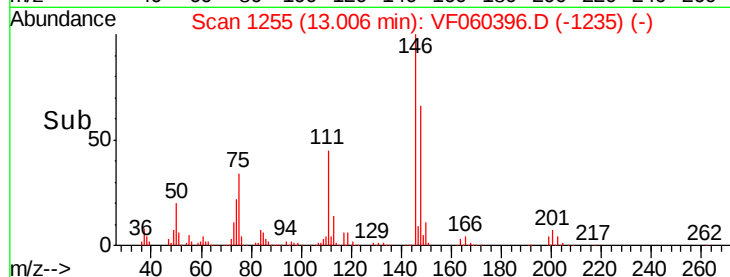
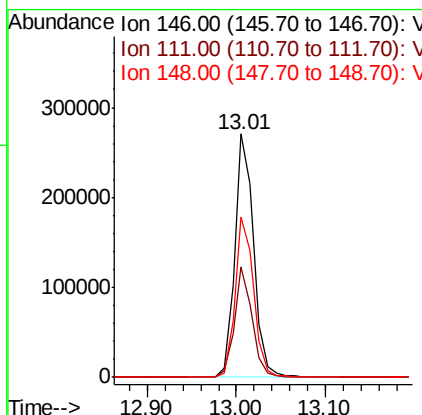
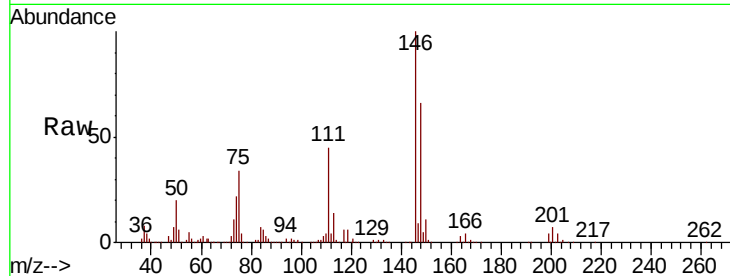




#91
 1,2-Dichlorobenzene
 Concen: 50.664 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

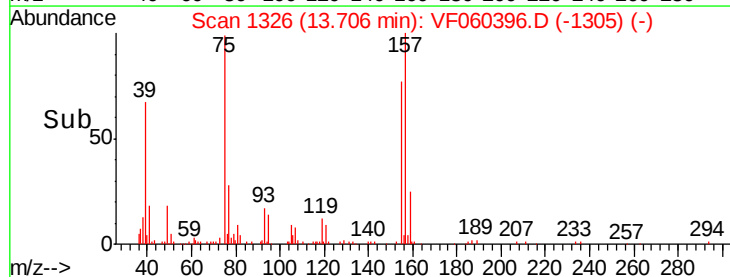
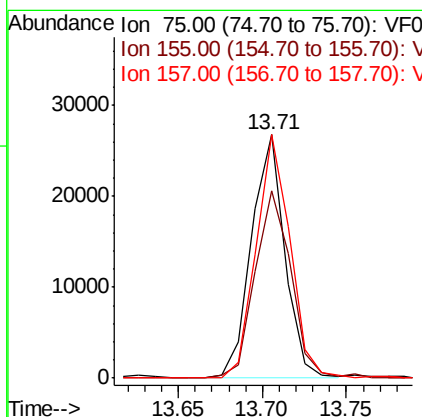
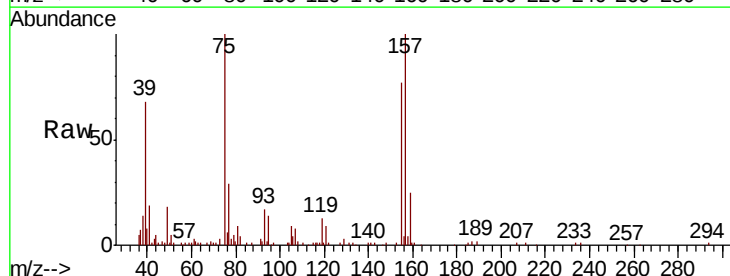
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

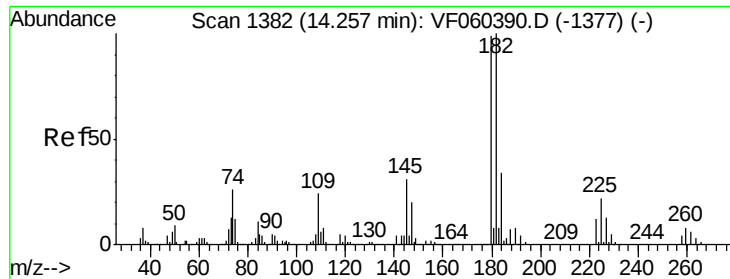
Tot Ion:146 Resp: 402183
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.3 64.0
 148 66.0 32.2 96.6



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

Tgt Ion: 75 Resp: 36754
 Ion Ratio Lower Upper
 75 100
 155 77.0 37.9 113.6
 157 103.8 51.3 154.0

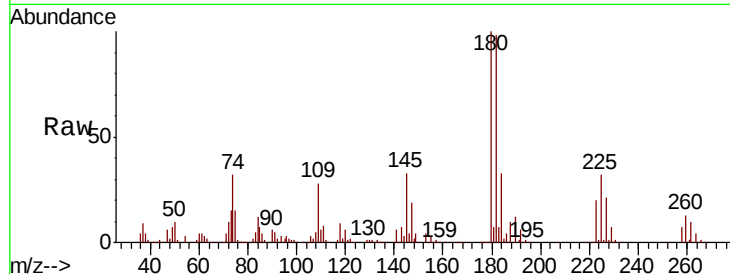




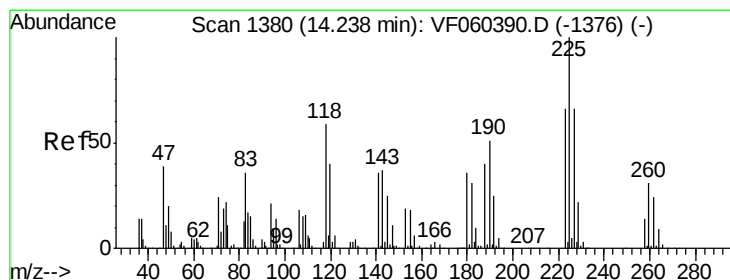
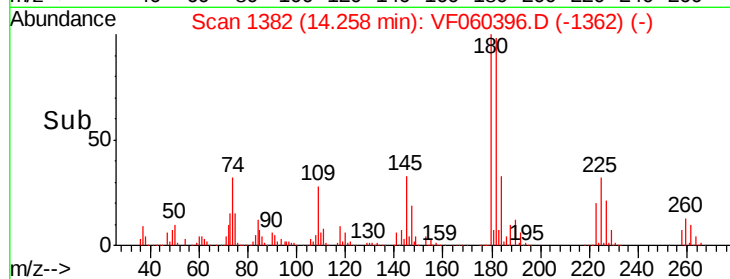
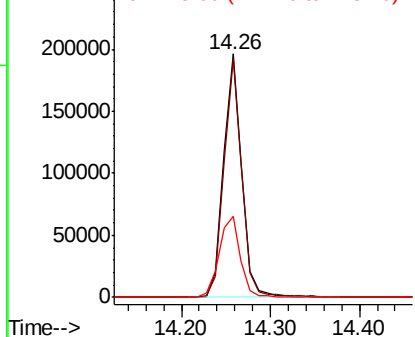
#93
 1,2,4-Trichlorobenzene
 Concen: 48.172 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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

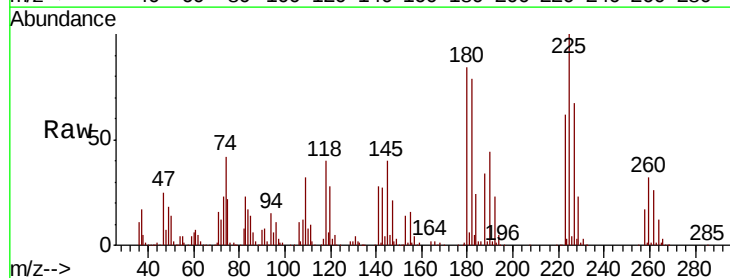


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

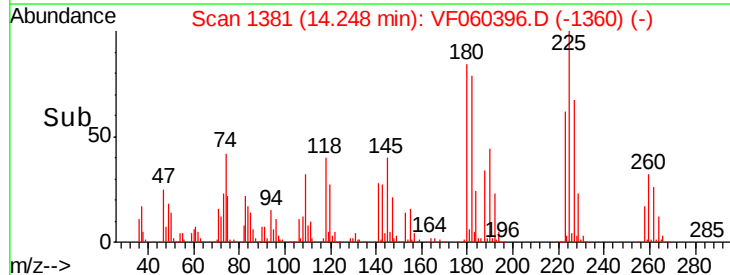
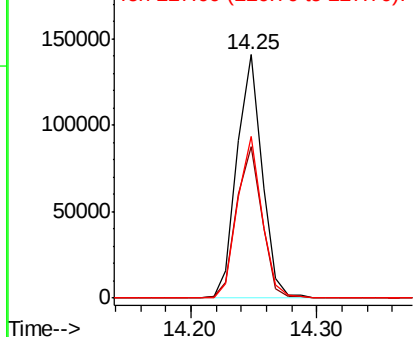


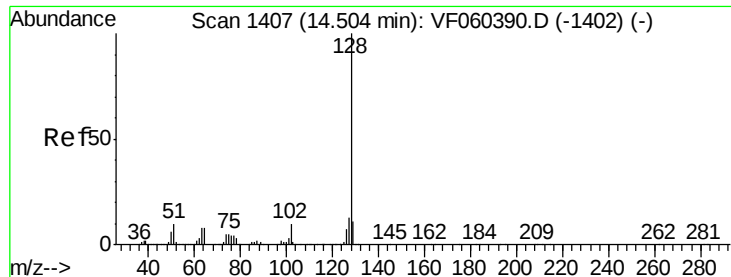
#94
 Hexachlorobutadiene
 Concen: 46.688 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060396.D
 Acq: 2 Oct 2018 11:38

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



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

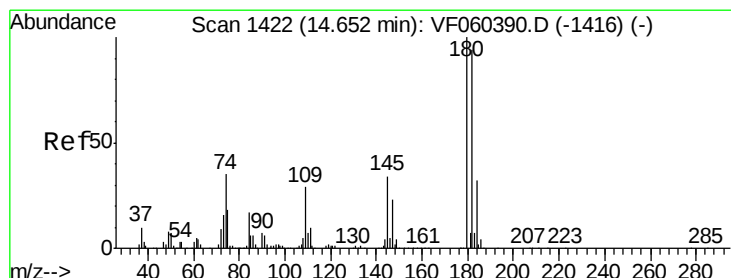
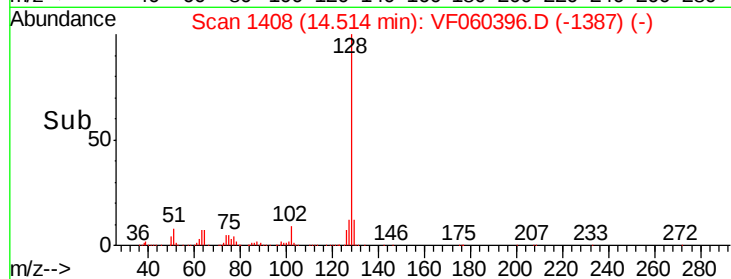
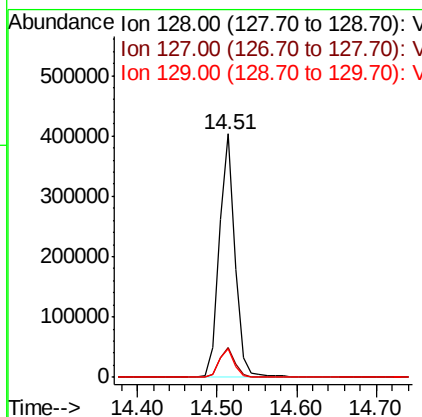
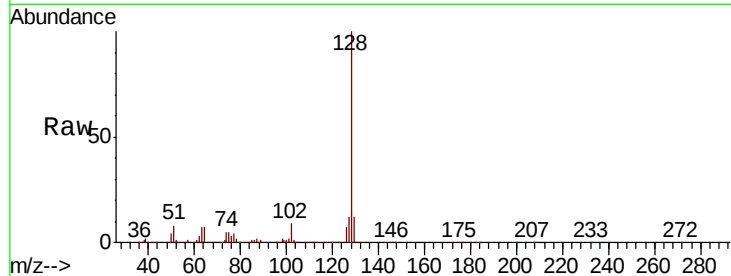




#95
Naphthalene
Concen: 53.203 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060396.D
Acq: 2 Oct 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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



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

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

