

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060456.D
 Acq On : 5 Oct 2018 00:34
 Operator : VA/AP
 Sample : J5205-01
 Misc : 6.87/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-100418

Quant Time: Oct 05 01:15:21 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	4.99	168	66	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.92	114	67	50.00	ug/l	0.18
63) Chlorobenzene-d5	10.02	117	106	50.00	ug/l	0.13
72) 1,4-Dichlorobenzene-d4	12.63	152	76	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.91	65	61	59.07	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	118.14%	
35) Dibromofluoromethane	4.36	113	73	115.98	ug/l	0.09
Spiked Amount	50.000		Recovery	=	231.96%	
50) Toluene-d8	8.04	98	132	85.15	ug/l	0.36
Spiked Amount	50.000		Recovery	=	170.30%	
62) 4-Bromofluorobenzene	11.82	95	84	118.68	ug/l	0.33
Spiked Amount	50.000		Recovery	=	237.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	104	116.043	ug/l #	41
4) Vinyl Chloride	1.18	62	75	80.446	ug/l #	42
5) Bromomethane	1.19	94	64	88.625	ug/l	91
6) Chloroethane	1.50	64	143	307.364	ug/l #	42
7) Trichlorofluoromethane	1.49	101	135	62.411	ug/l #	18
8) Diethyl Ether	1.64	74	59	199.030	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.78	101	83	80.107	ug/l #	22
10) Methyl Iodide	1.94	142	71	44.935	ug/l #	21
11) Tert butyl alcohol	2.50	59	73	1168.598	ug/l #	77
12) 1,1-Dichloroethene	1.88	96	163	203.605	ug/l #	1
13) Acrolein	2.06	56	121	2408.568	ug/l #	16
14) Allyl chloride	2.15	41	471	367.170	ug/l #	1
15) Acrylonitrile	3.00	53	229	2139.413	ug/l #	14
16) Acetone	2.32	43	170	856.675	ug/l #	66
17) Carbon Disulfide	1.90	76	230	94.877	ug/l #	68
18) Methyl Acetate	2.43	43	224	596.542	ug/l #	57
19) Methyl tert-butyl Ether	2.51	73	68	34.873	ug/l #	57
20) Methylene Chloride	2.22	84	99	141.536	ug/l #	1
21) trans-1,2-Dichloroethene	2.38	96	77	96.304	ug/l #	46
22) Diisopropyl ether	2.87	45	284	121.971	ug/l #	1
23) Vinyl Acetate	3.27	43	239	258.399	ug/l #	81
24) 1,1-Dichloroethane	2.91	63	104	66.050	ug/l #	90
25) 2-Butanone	4.45	43	181	676.857	ug/l #	60
26) 2,2-Dichloropropane	3.75	77	65	72.886	ug/l #	61
27) cis-1,2-Dichloroethene	3.53	96	80	89.489	ug/l	1
28) Bromochloromethane	3.79	49	164	282.608	ug/l #	10
29) Tetrahydrofuran	4.16	42	231	2331.319	ug/l #	55
30) Chloroform	4.06	83	154	79.262	ug/l #	72
31) Cyclohexane	3.80	56	205	181.311	ug/l #	17
32) 1,1,1-Trichloroethane	4.21	97	74	45.770	ug/l #	18
36) 1,1-Dichloropropene	4.54	75	198	239.694	ug/l #	45
37) Ethyl Acetate	4.45	43	181	572.187	ug/l #	1
38) Carbon Tetrachloride	4.33	117	60	59.671	ug/l #	13
39) Methylcyclohexane	5.71	83	64	79.030	ug/l #	52

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.94	78	106	64.639	ug/l #	1
41) Methacrylonitrile	5.06	41	549	3273.214	ug/l #	42
42) 1,2-Dichloroethane	5.22	62	77	98.422	ug/l	83
43) Isopropyl Acetate	7.33	43	267	698.445	ug/l #	44
45) 1,2-Dichloropropane	6.57	63	184	421.325	ug/l #	46
46) Dibromomethane	6.32	93	202	575.298	ug/l #	9
47) Bromodichloromethane	6.73	83	76	87.395	ug/l #	23
48) Methyl methacrylate	7.07	41	237	863.666	ug/l #	2
49) 1,4-Dioxane	6.82	88	60	25358.871	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	632	2322.485	ug/l #	39
52) Toluene	7.98	92	143	128.384	ug/l #	1
53) t-1,3-Dichloropropene	8.64	75	63	92.442	ug/l #	44
54) cis-1,3-Dichloropropene	7.63	75	90	112.995	ug/l #	27
55) 1,1,2-Trichloroethane	8.82	97	76	215.263	ug/l #	44
56) Ethyl methacrylate	9.01	69	103	256.738	ug/l #	35
57) 1,3-Dichloropropane	9.24	76	70	117.198	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.04	63	106	2586.667	ug/l	100
59) 2-Hexanone	9.88	43	325	1628.273	ug/l	95
61) 1,2-Dibromoethane	9.40	107	66	170.842	ug/l #	4
64) Tetrachloroethene	8.35	164	61	72.392	ug/l #	1
65) Chlorobenzene	10.02	112	70	32.148	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.02	131	67	70.471	ug/l #	9
67) Ethyl Benzene	10.02	91	169	40.820	ug/l #	47
68) m/p-Xylenes	10.27	106	68	47.778	ug/l #	18
69) o-Xylene	10.86	106	67	43.188	ug/l #	1
70) Styrene	10.93	104	70	31.722	ug/l #	29
73) Isopropylbenzene	11.25	105	197	32.921	ug/l #	51
74) N-amyl acetate	11.44	43	433	315.283	ug/l #	6
75) 1,1,2,2-Tetrachloroethane	11.77	83	147	134.741	ug/l #	22
76) 1,2,3-Trichloropropane	11.90	75	90	112.055	ug/l #	11
77) Bromobenzene	11.60	156	65	48.593	ug/l #	1
78) n-propylbenzene	11.65	91	183	25.226	ug/l #	55
79) 2-Chlorotoluene	11.77	91	147	34.641	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.88	105	64	12.588	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.98	75	155	435.354	ug/l #	15
82) 4-Chlorotoluene	12.00	91	74	17.043	ug/l #	43
83) tert-Butylbenzene	12.19	119	66	13.162	ug/l #	23
84) 1,2,4-Trimethylbenzene	12.25	105	90	17.850	ug/l #	30
85) sec-Butylbenzene	12.37	105	158	22.827	ug/l #	58
86) p-Isopropyltoluene	12.55	119	66	11.671	ug/l #	49
87) 1,3-Dichlorobenzene	12.59	146	82	32.577	ug/l #	23
88) 1,4-Dichlorobenzene	12.67	146	60	24.174	ug/l #	24
89) n-Butylbenzene	12.90	91	69	11.531	ug/l #	28
90) Hexachloroethane	12.98	117	68	46.526	ug/l #	27
91) 1,2-Dichlorobenzene	12.84	146	61	25.293	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.69	75	178	841.609	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.32	180	60	33.284	ug/l #	10
94) Hexachlorobutadiene	14.20	225	89	70.740	ug/l #	17
95) Naphthalene	14.49	128	83	25.752	ug/l #	1

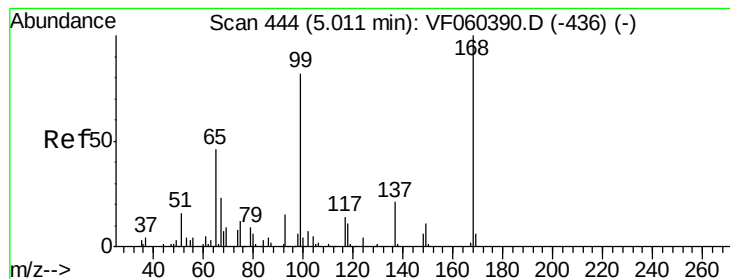
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 442

Delta R.T. -0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

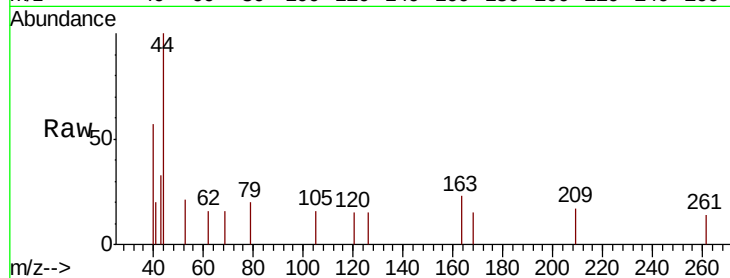
TR-05-100418

Tot Ion:168 Resp: 66

Ion Ratio Lower Upper

168 100

99 0.0 65.3 97.9#

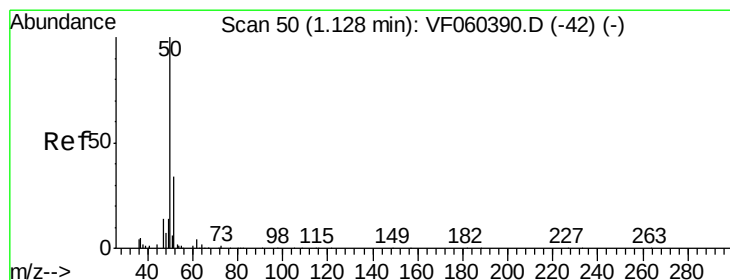
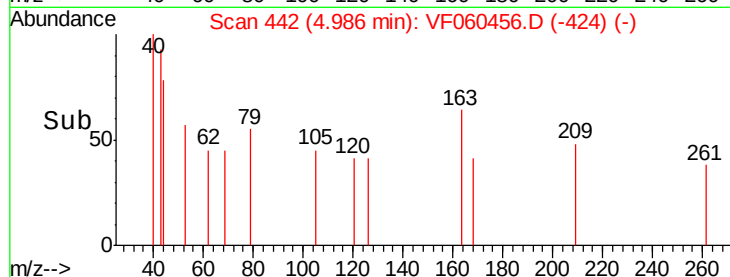


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.99

Time-->



#3

Chloromethane

Concen: 116.043 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.03 min

Lab File: VF060456.D

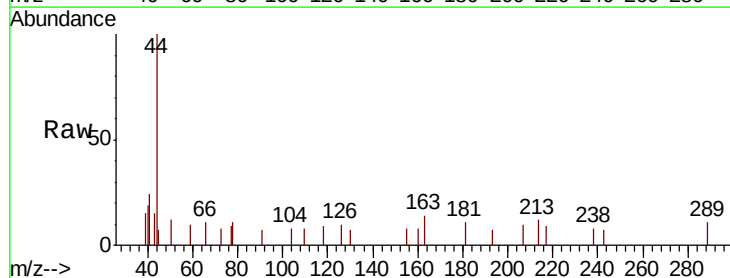
Acq: 5 Oct 2018 00:34

Tgt Ion: 50 Resp: 104

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#

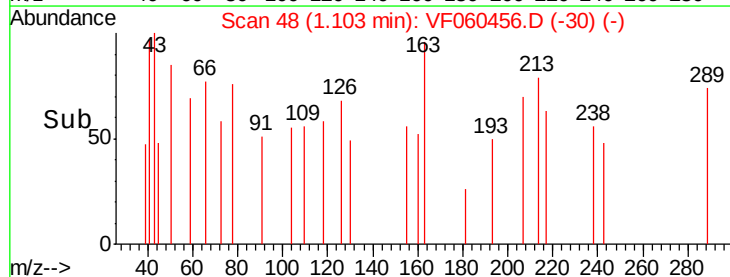


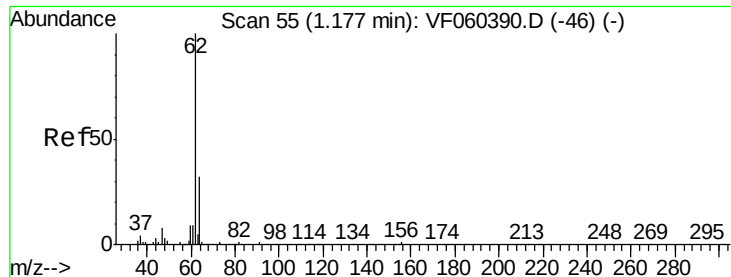
Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

Time-->





#4

Vinyl Chloride

Concen: 80.446 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

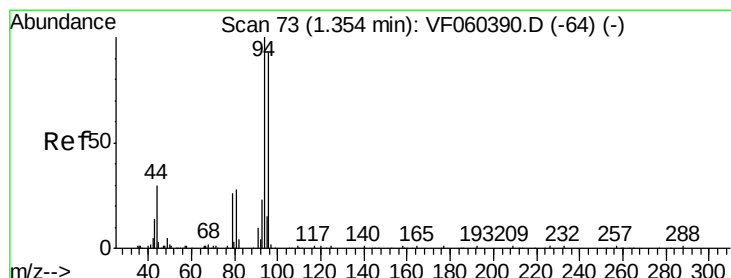
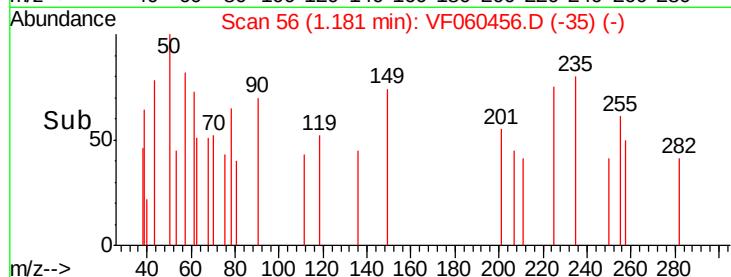
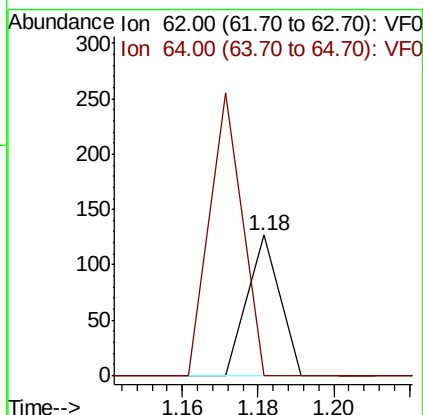
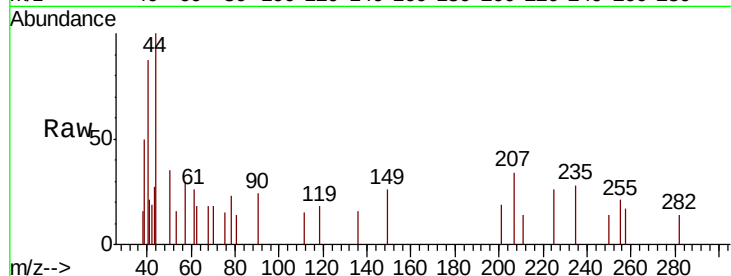
TR-05-100418

Tot Ion: 62 Resp: 75

Ion Ratio Lower Upper

62 100

64 0.0 25.8 38.6#



#5

Bromomethane

Concen: 88.625 ug/l

RT: 1.19 min Scan# 57

Delta R.T. -0.16 min

Lab File: VF060456.D

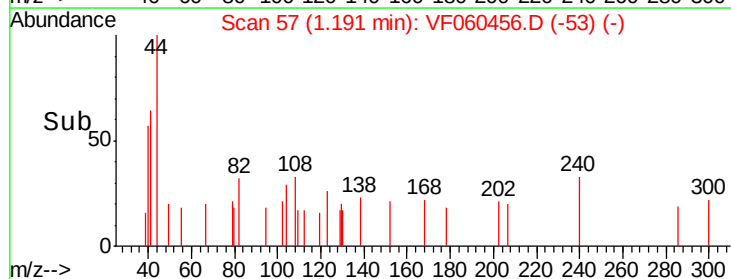
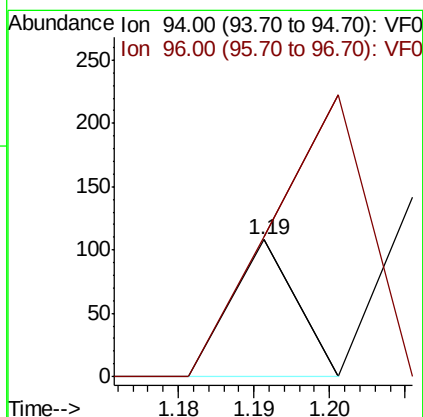
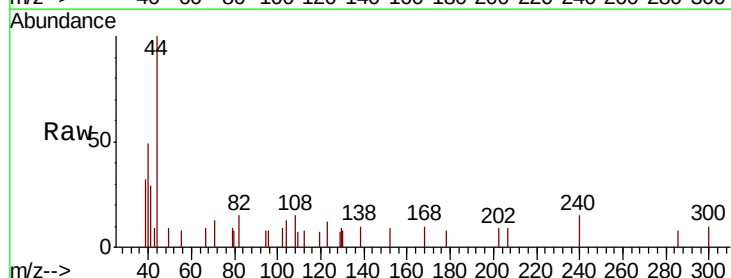
Acq: 5 Oct 2018 00:34

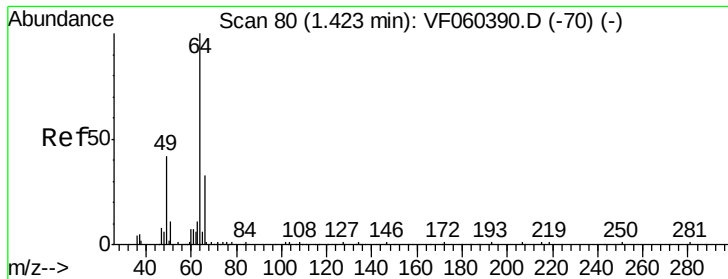
Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

94 100

96 101.9 74.3 111.5





#6

Chloroethane

Concen: 307.364 ug/l

RT: 1.50 min Scan# 88

Delta R.T. 0.07 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampled :

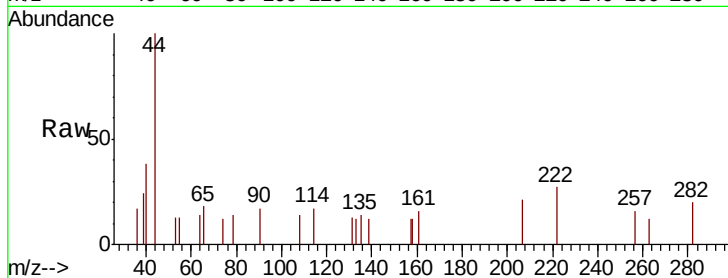
TR-05-100418

Tot Ion: 64 Resp: 143

Ion Ratio Lower Upper

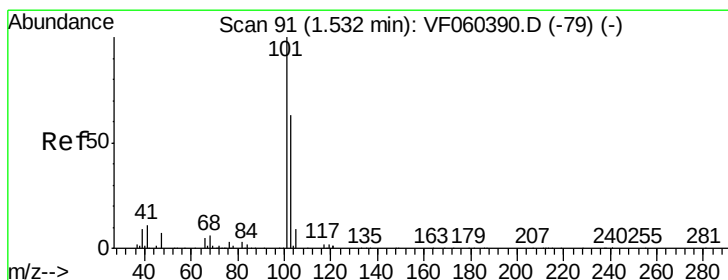
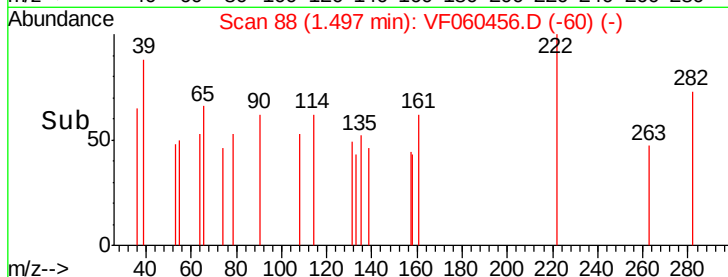
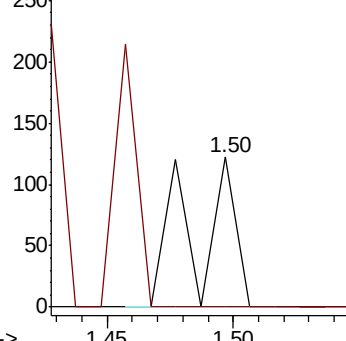
64 100

66 0.0 26.3 39.5#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#7

Trichlorofluoromethane

Concen: 62.411 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.04 min

Lab File: VF060456.D

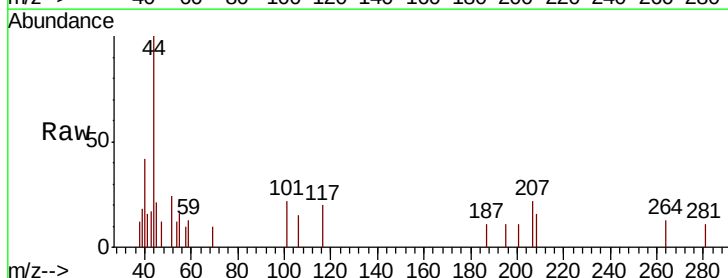
Acq: 5 Oct 2018 00:34

Tgt Ion: 101 Resp: 135

Ion Ratio Lower Upper

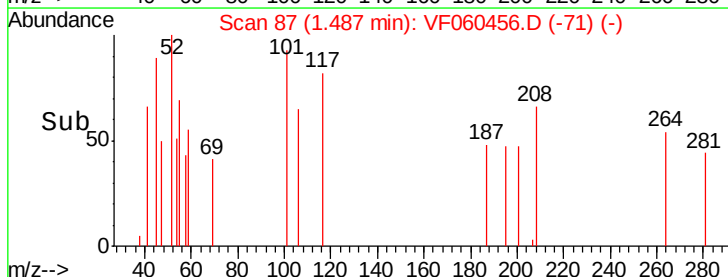
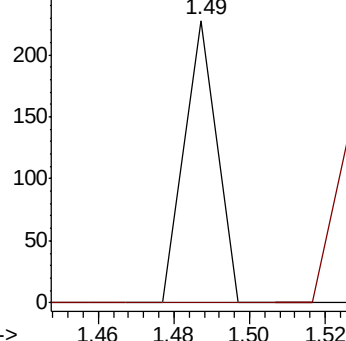
101 100

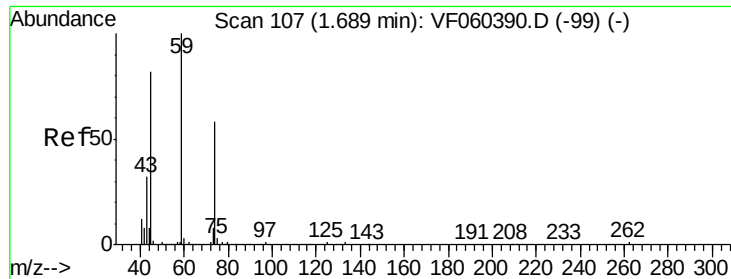
103 0.0 51.0 76.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

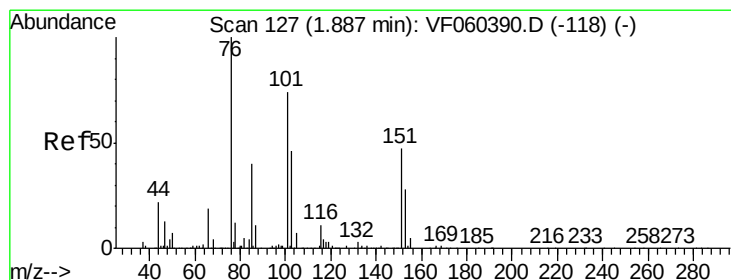
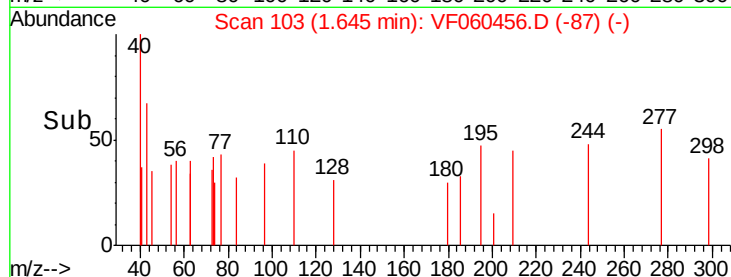
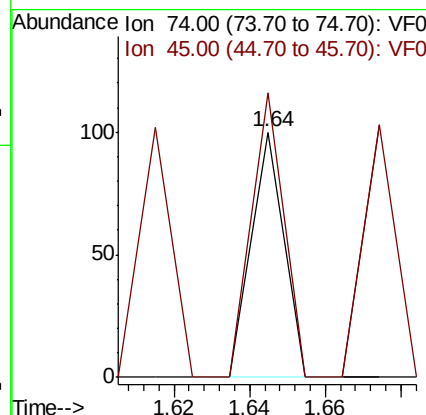
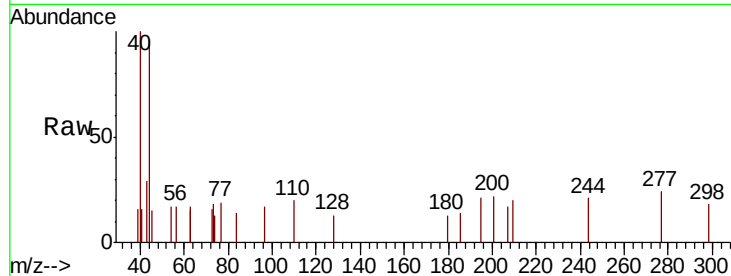




#8
Diethyl Ether
Concen: 199.030 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.04 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

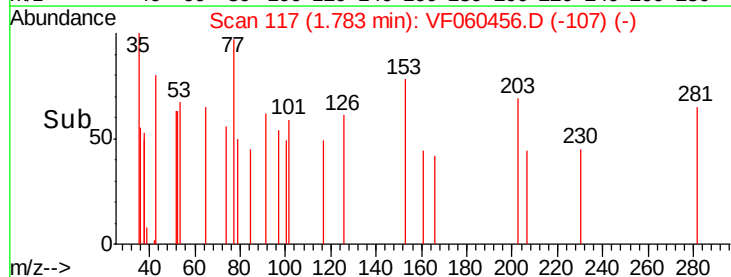
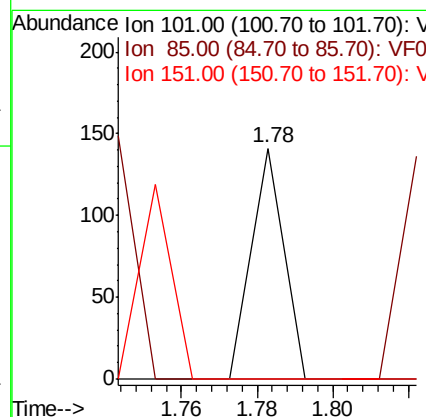
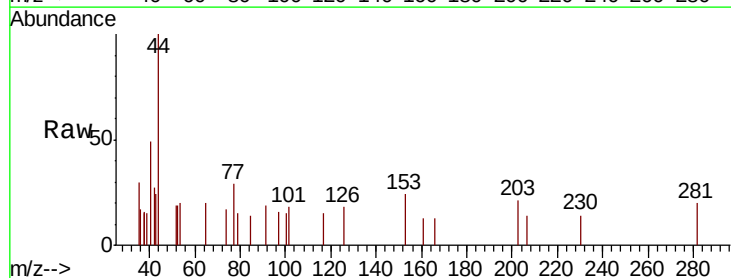
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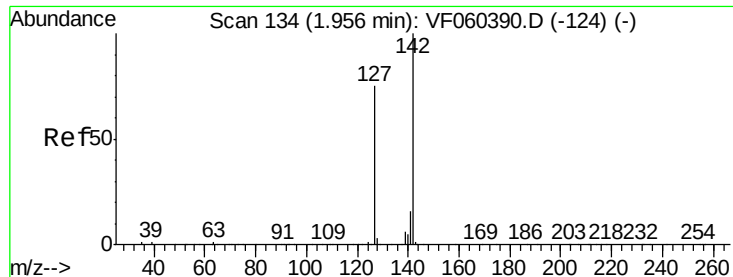
Tot Ion: 74 Resp: 59
Ion Ratio Lower Upper
74 100
45 116.0 71.3 213.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 80.107 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.10 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 101 Resp: 83
Ion Ratio Lower Upper
101 100
85 0.0 42.5 63.7#
151 0.0 49.8 74.8#

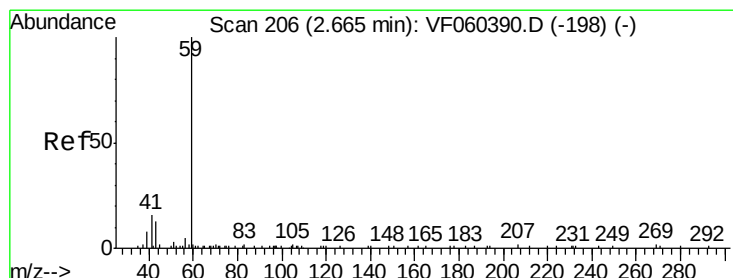
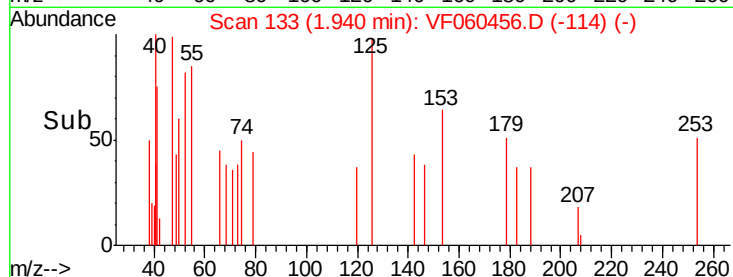
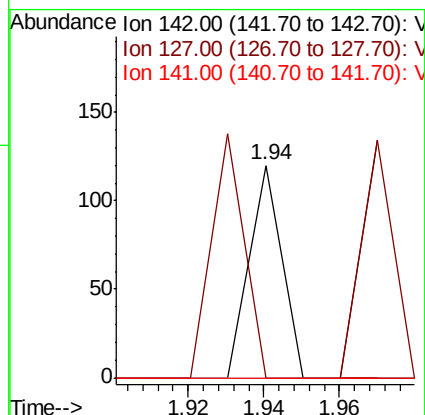
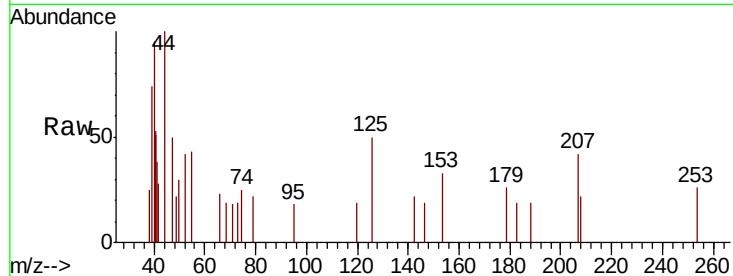




#10
Methyl Iodide
Concen: 44.935 ug/l
RT: 1.94 min Scan# 133
Delta R.T. -0.02 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

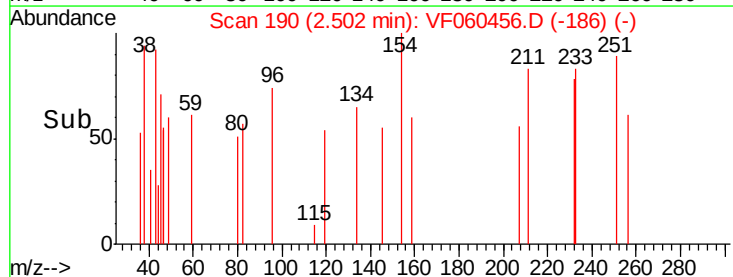
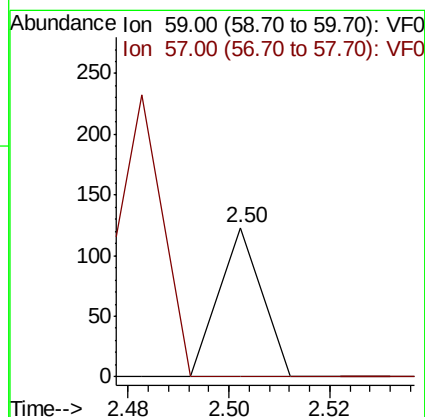
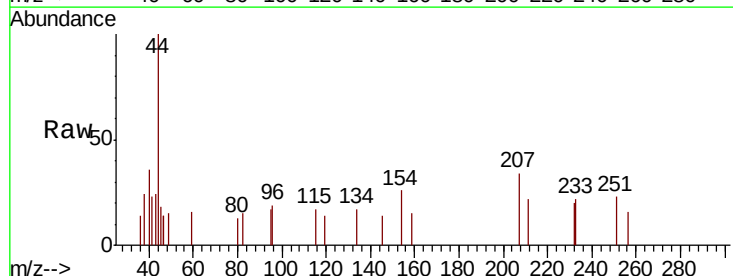
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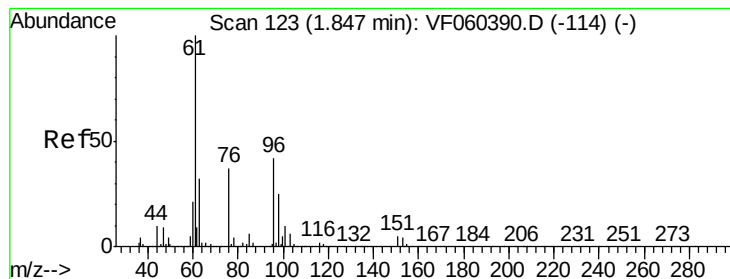
Tot Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 60.2 90.2#
141 0.0 13.1 19.7#



#11
Tert butyl alcohol
Concen: 1168.598 ug/l
RT: 2.50 min Scan# 190
Delta R.T. -0.16 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#





#12

1,1-Dichloroethene

Concen: 203.605 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

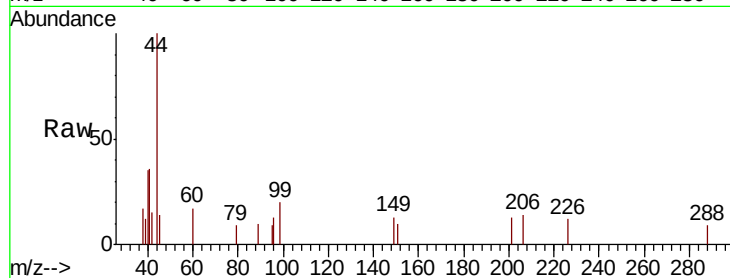
Tot Ion: 96 Resp: 163

Ion Ratio Lower Upper

96 100

61 0.0 189.4 284.0#

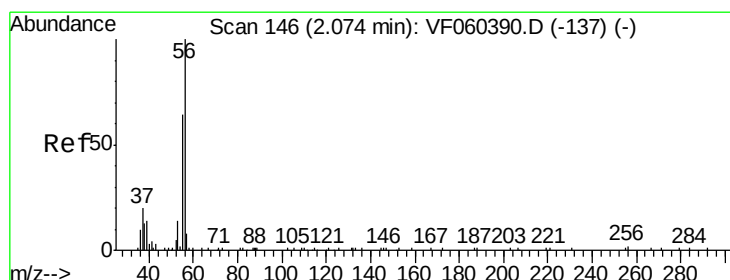
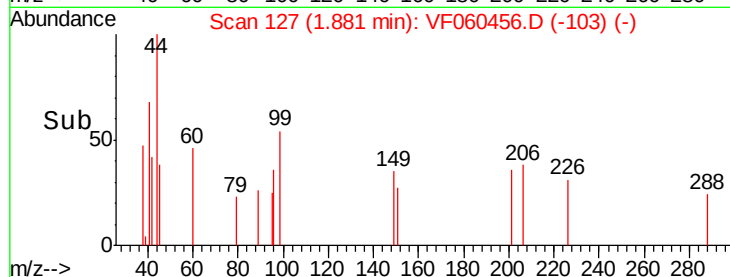
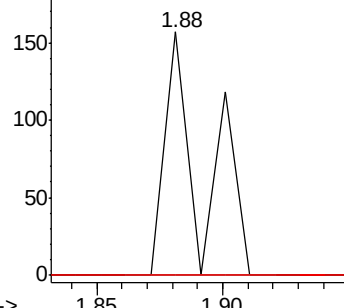
98 147.8 47.8 71.6#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 2408.568 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF060456.D

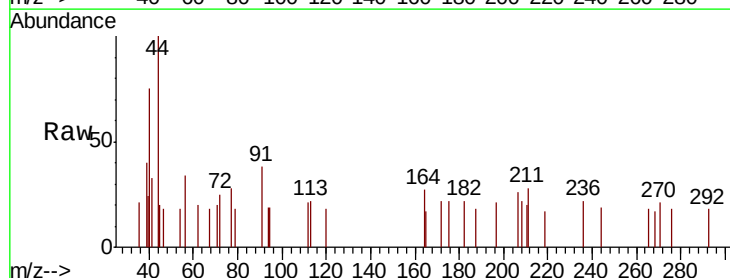
Acq: 5 Oct 2018 00:34

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

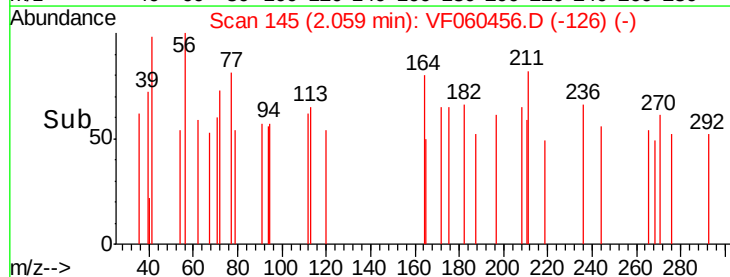
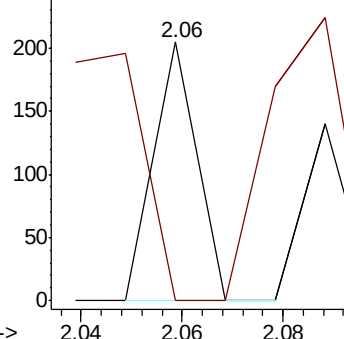
56 100

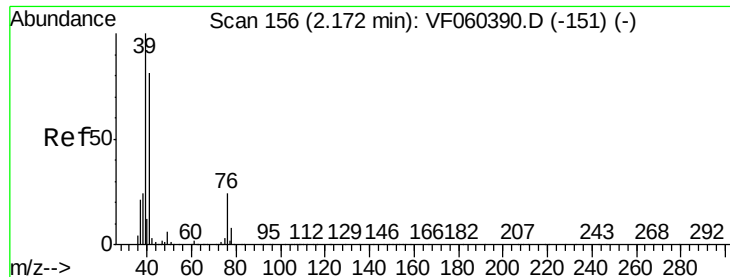
55 0.0 53.9 80.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

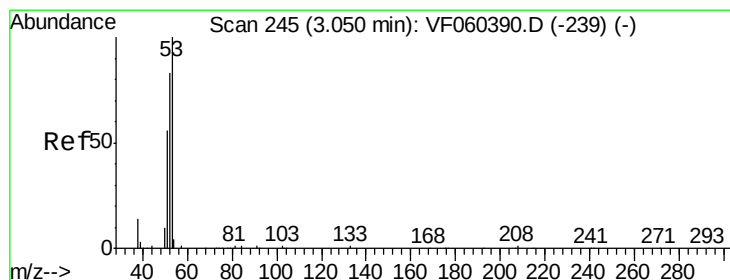
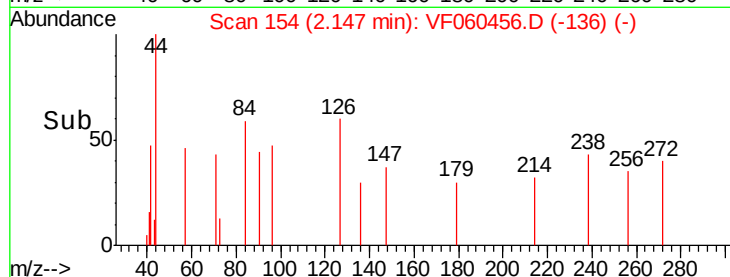
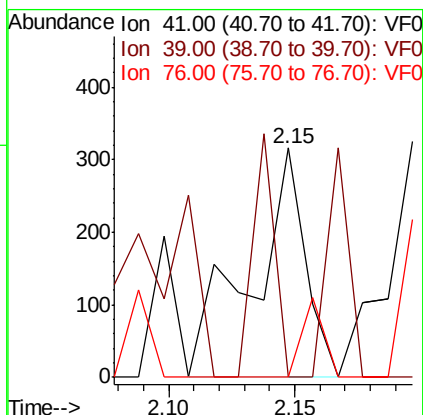
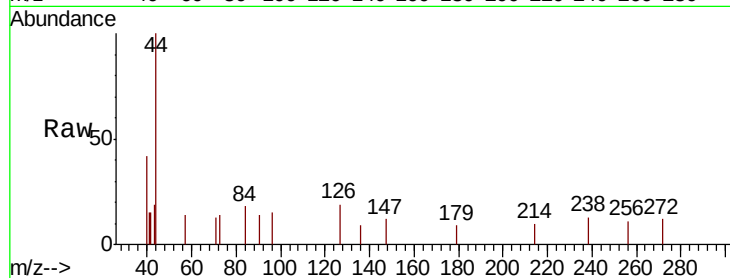




#14
Allvl chloride
Concen: 367.170 ug/l
RT: 2.15 min Scan# 154
Delta R.T. -0.03 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

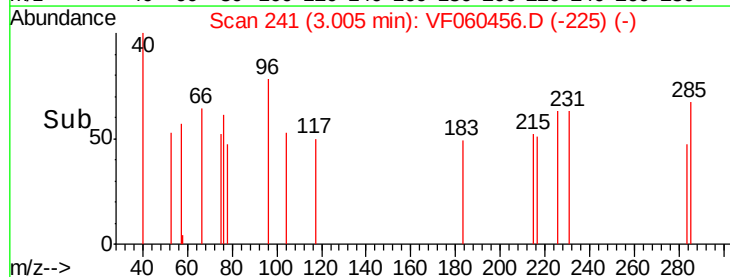
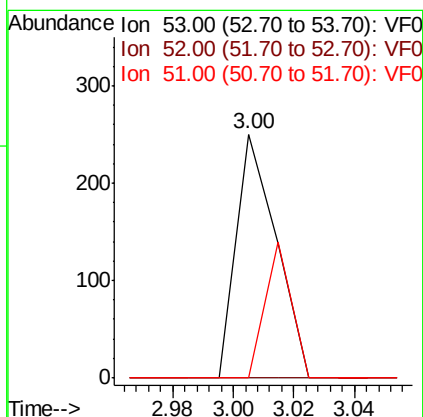
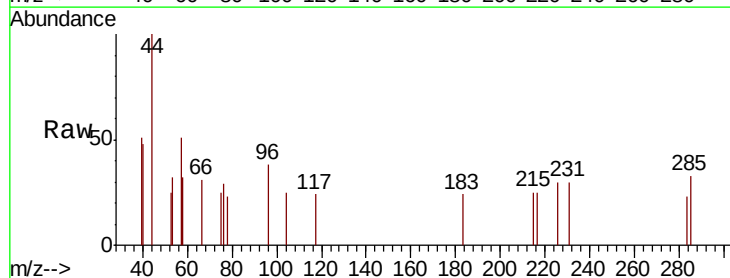
Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

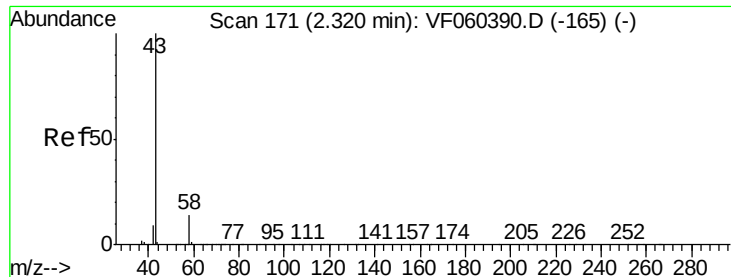
Tot Ion: 41 Resp: 471
Ion Ratio Lower Upper
41 100
39 0.0 98.3 147.5#
76 0.0 23.9 35.9#



#15
Acrylonitrile
Concen: 2139.413 ug/l
RT: 3.00 min Scan# 241
Delta R.T. -0.04 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 53 Resp: 229
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 0.0 45.6 68.4#

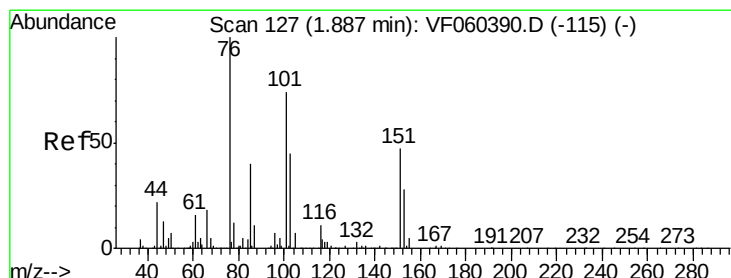
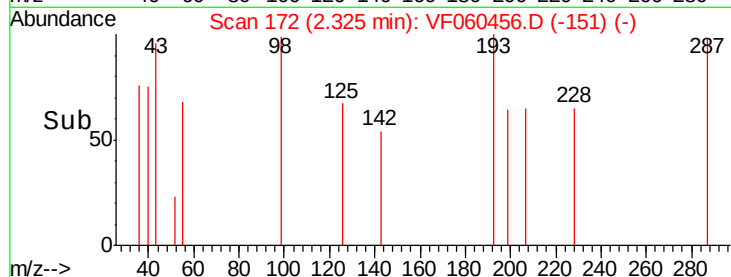
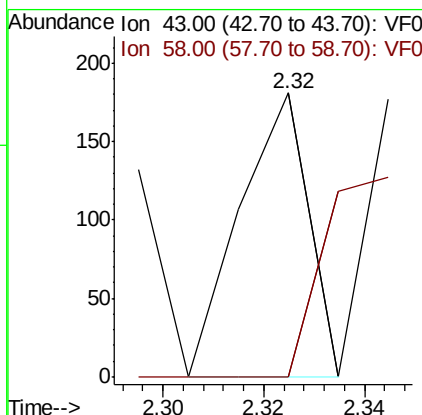
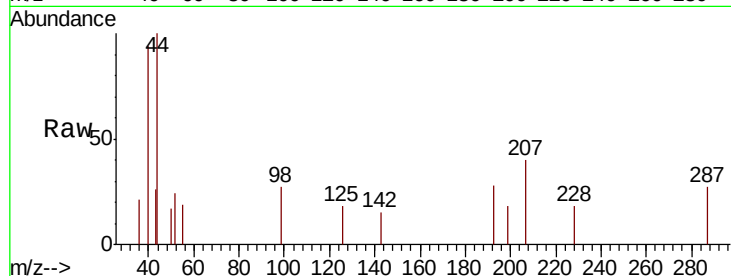




#16
Acetone
Concen: 856.675 ug/l
RT: 2.32 min Scan# 172
Delta R.T. 0.00 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

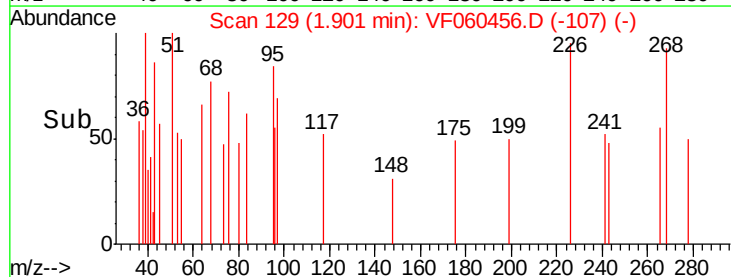
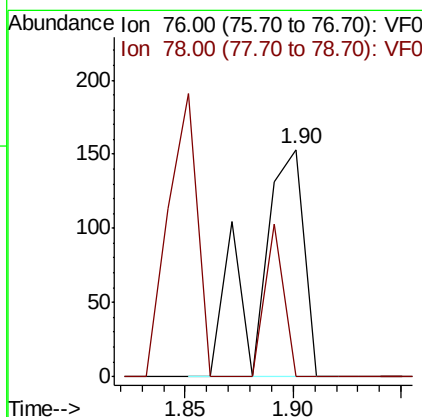
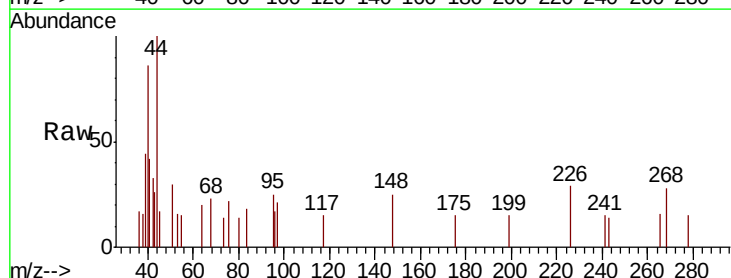
Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

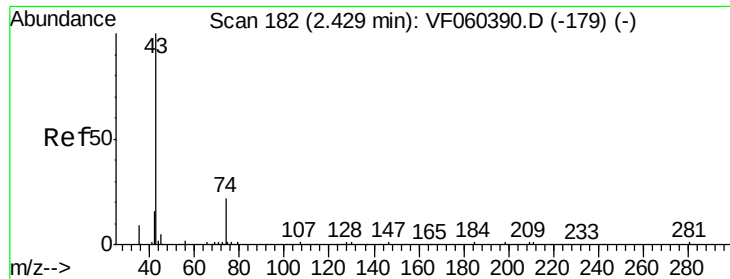
Tot Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 0.0 11.2 16.8#



#17
Carbon Disulfide
Concen: 94.877 ug/l
RT: 1.90 min Scan# 129
Delta R.T. 0.01 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 76 Resp: 230
Ion Ratio Lower Upper
76 100
78 0.0 10.1 15.1#

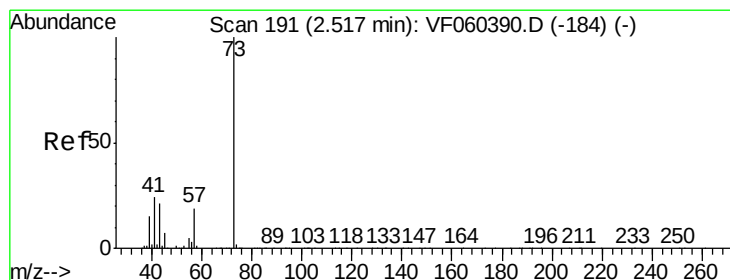
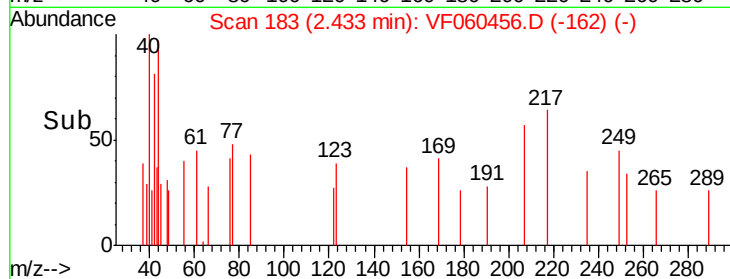
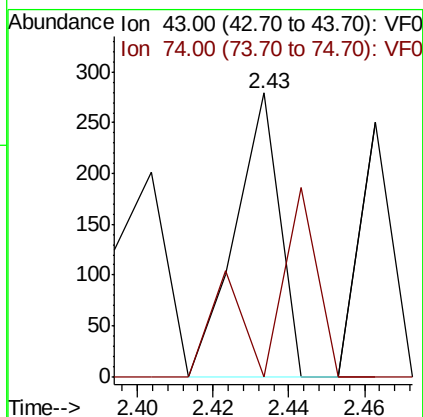
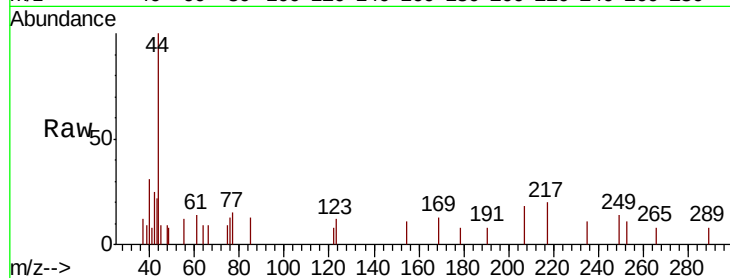




#18
Methyl Acetate
Concen: 596.542 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

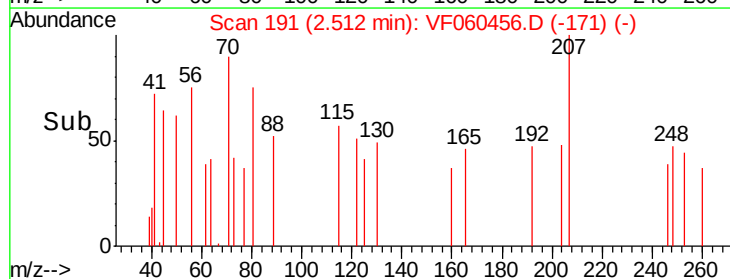
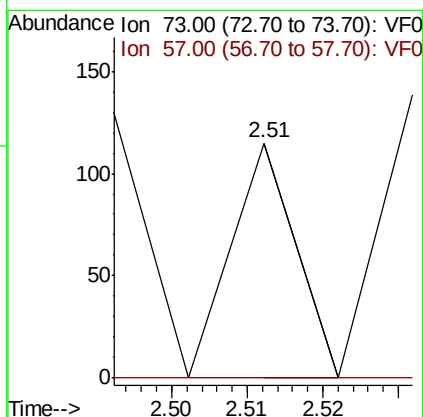
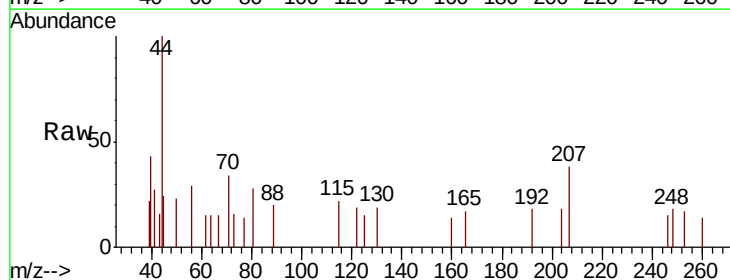
Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

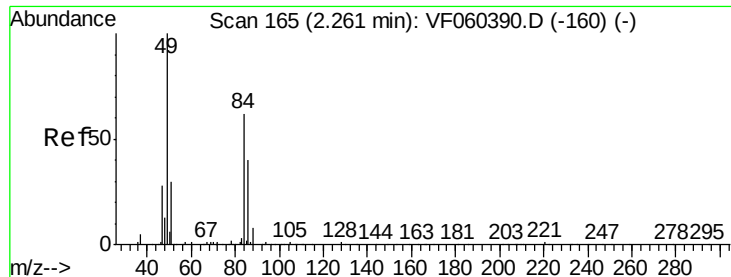
Tot Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#19
Methyl tert-butyl Ether
Concen: 34.873 ug/l
RT: 2.51 min Scan# 191
Delta R.T. -0.01 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 73 Resp: 68
Ion Ratio Lower Upper
73 100
57 0.0 15.9 23.9#

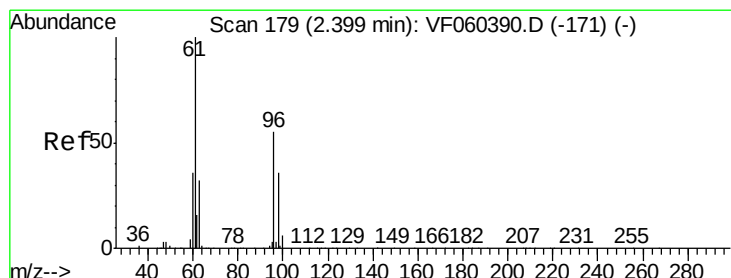
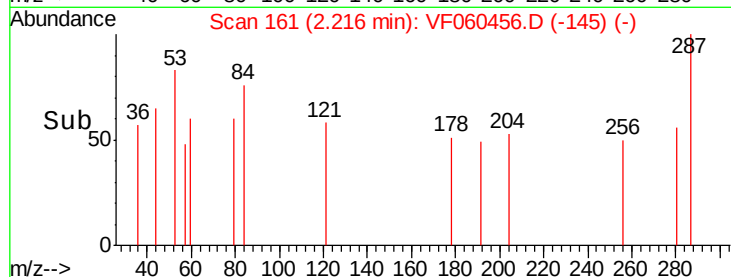
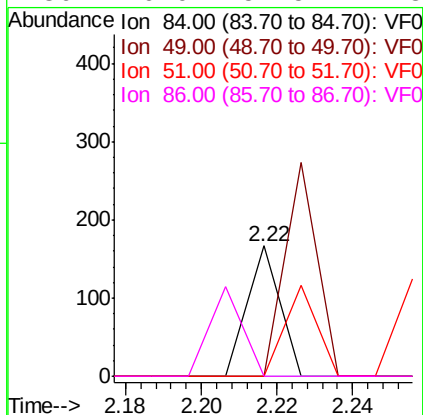
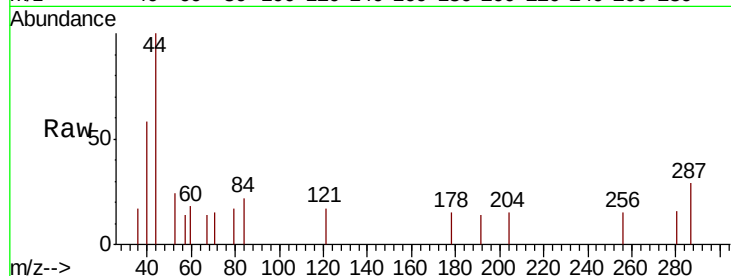




#20
Methylene Chloride
Concen: 141.536 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.04 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

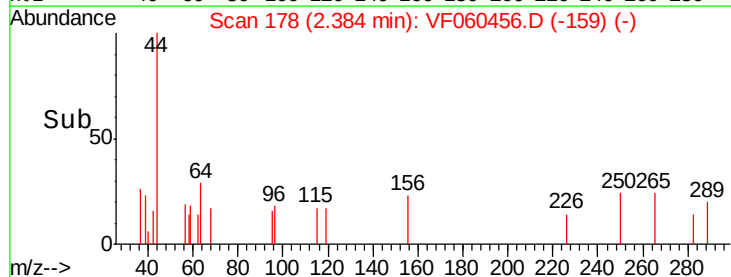
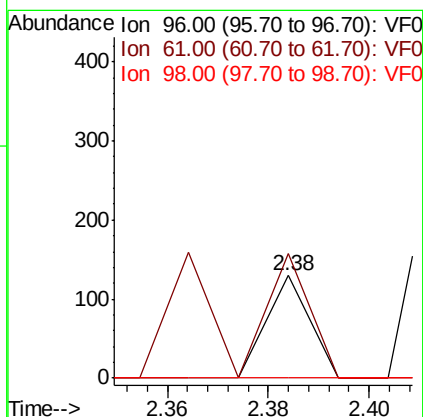
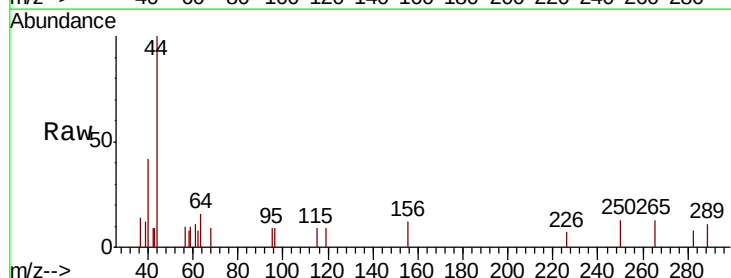
Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

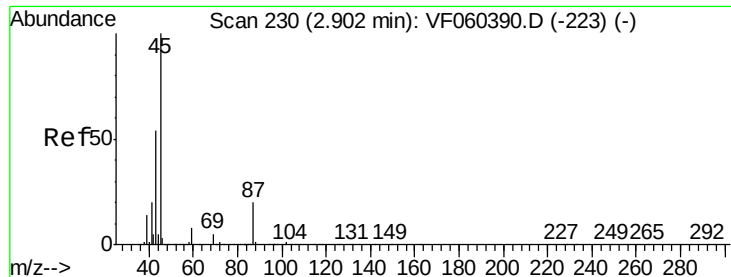
Tot Ion: 84 Resp: 99
Ion Ratio Lower Upper
84 100
49 0.0 130.2 195.2#
51 0.0 41.0 61.6#
86 0.0 51.5 77.3#



#21
trans-1,2-Dichloroethene
Concen: 96.304 ug/l
RT: 2.38 min Scan# 178
Delta R.T. -0.02 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 96 Resp: 77
Ion Ratio Lower Upper
96 100
61 120.8 146.2 219.2#
98 0.0 52.6 78.8#





#22

Diisopropyl ether

Concen: 121.971 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

Tot Ion: 45 Resp: 284

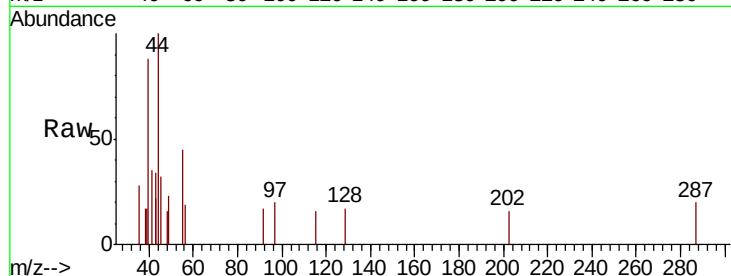
Ion Ratio Lower Upper

45 100

43 172.6 43.8 65.8#

87 0.0 16.3 24.5#

59 0.0 6.6 10.0#

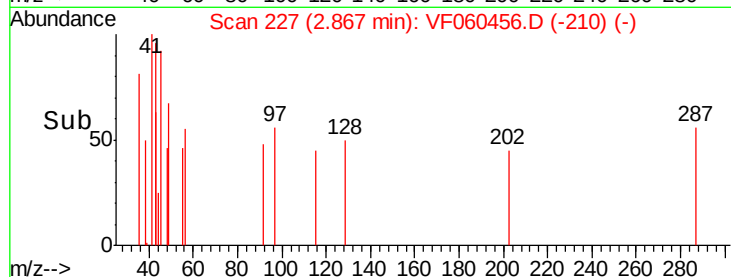
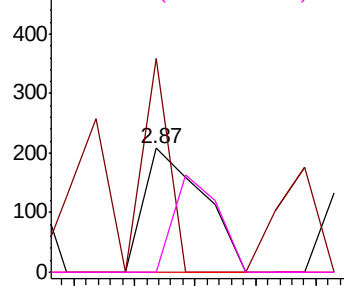


Abundance Ion 45.00 (44.70 to 45.70): VF0

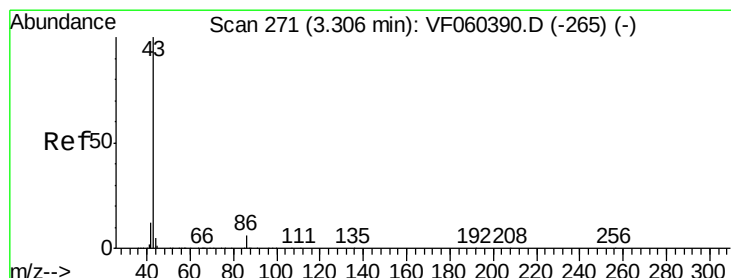
Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



Time-->



#23

Vinyl Acetate

Concen: 258.399 ug/l

RT: 3.27 min Scan# 268

Delta R.T. -0.03 min

Lab File: VF060456.D

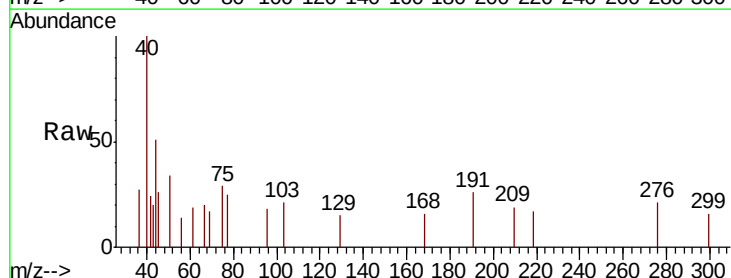
Acq: 5 Oct 2018 00:34

Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

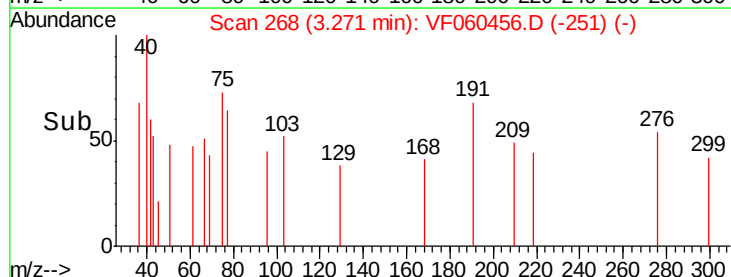
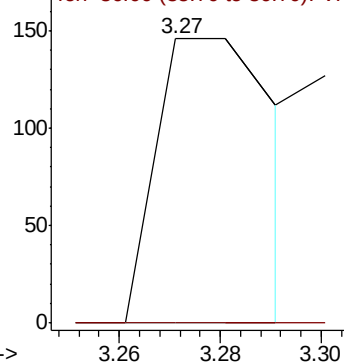
43 100

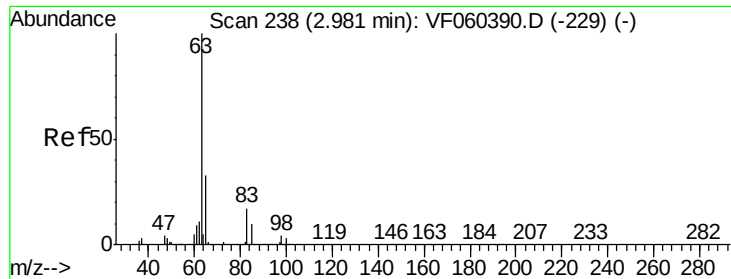
86 0.0 5.1 7.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 66.050 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.07 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

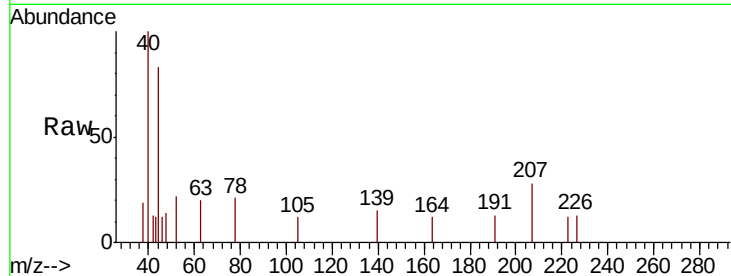
Tot Ion: 63 Resp: 104

Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

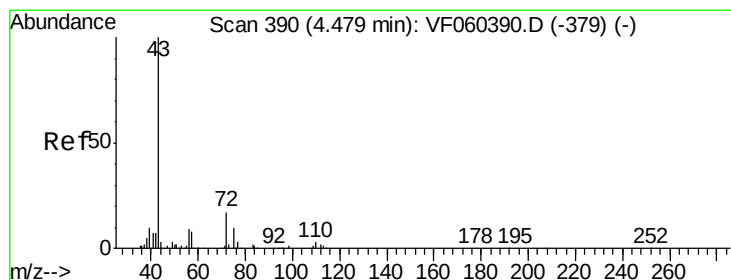
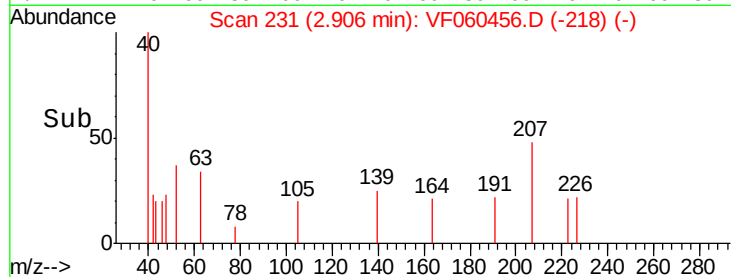
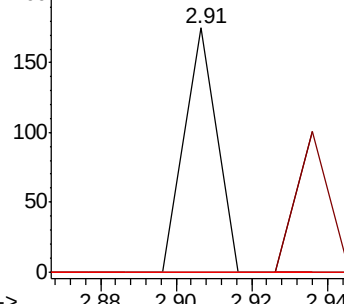
100 0.0 1.4 4.2#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 676.857 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.03 min

Lab File: VF060456.D

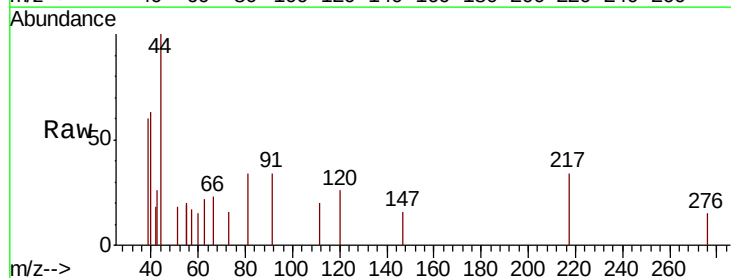
Acq: 5 Oct 2018 00:34

Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

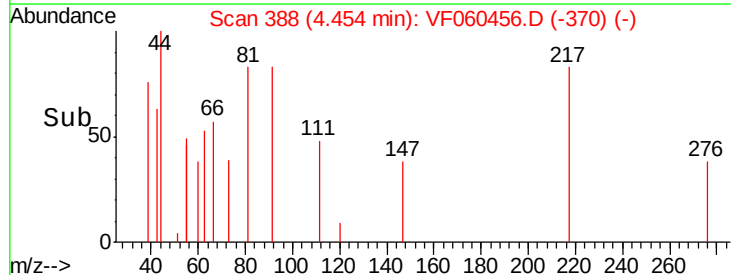
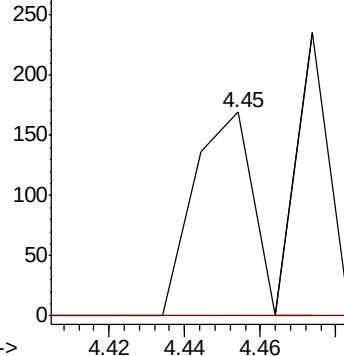
43 100

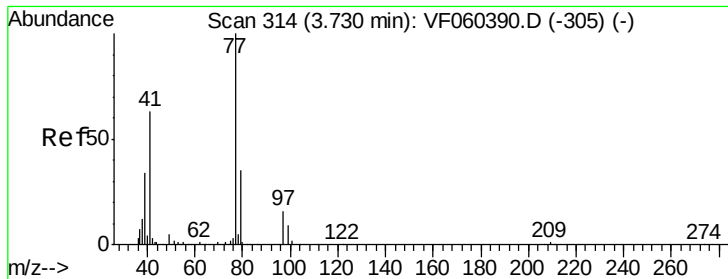
72 0.0 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 72.886 ug/l

RT: 3.75 min Scan# 317

Delta R.T. 0.02 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

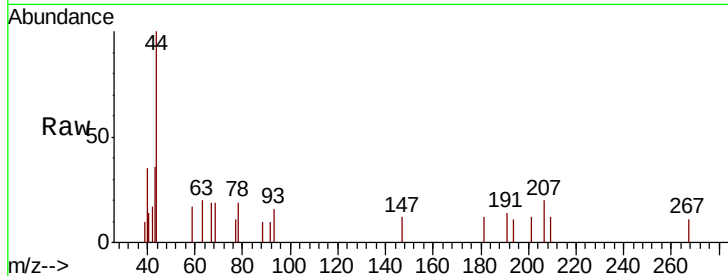
TR-05-100418

Tot Ion: 77 Resp: 65

Ion Ratio Lower Upper

77 100

97 0.0 8.3 25.1#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

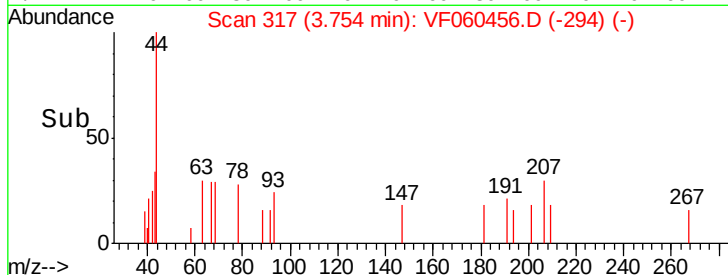
150

100

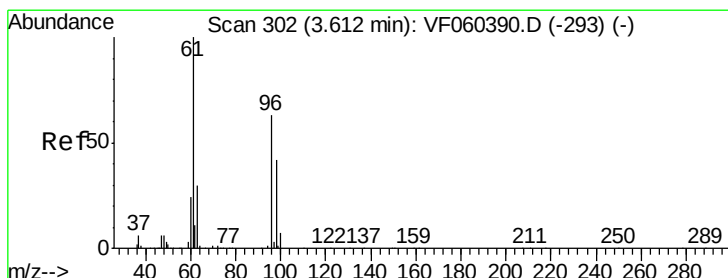
50

0

3.72 3.74 3.75 3.76 3.78



Time-->



#27

cis-1,2-Dichloroethene

Concen: 89.489 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.08 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

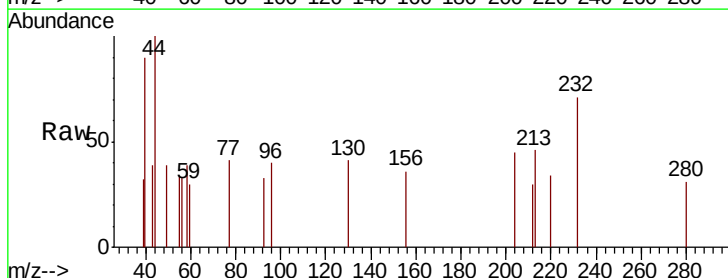
Tgt Ion: 96 Resp: 80

Ion Ratio Lower Upper

96 100

61 0.0 0.0 318.2

98 0.0 0.0 134.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

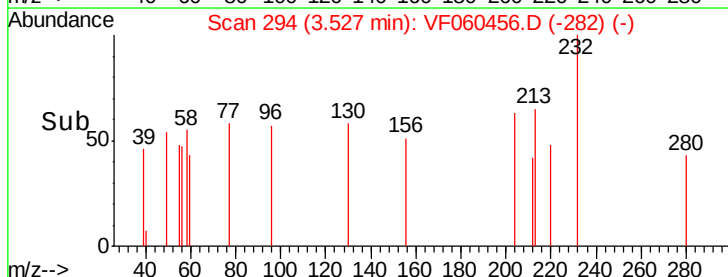
150

100

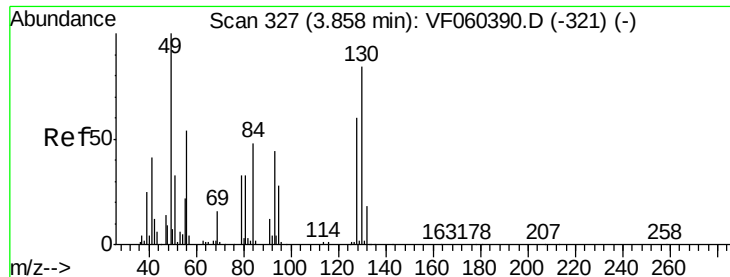
50

0

3.50 3.52 3.53 3.54 3.56



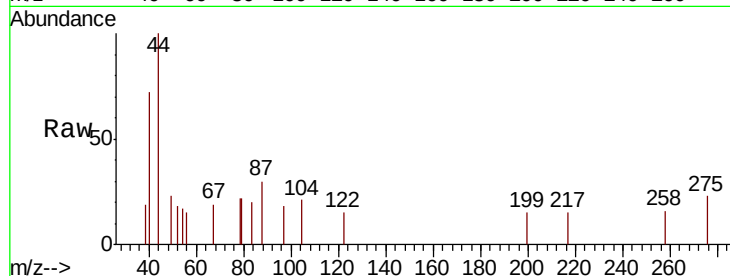
Time-->



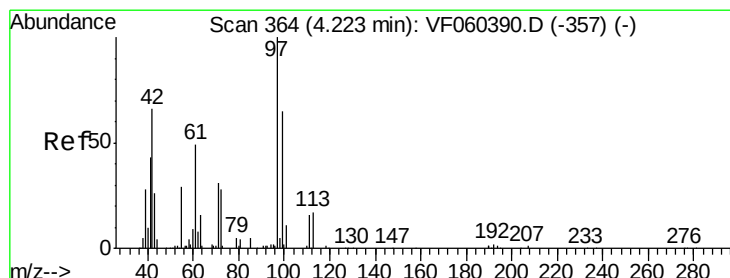
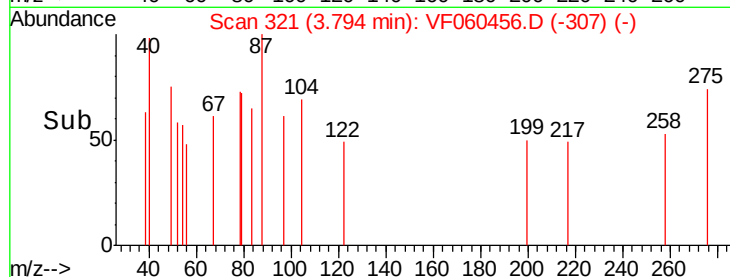
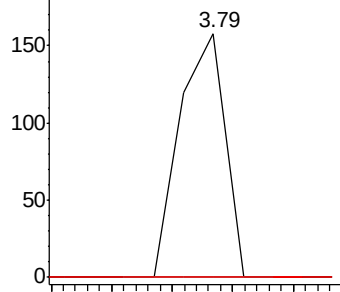
#28
Bromochloromethane
Concen: 282.608 ug/l
RT: 3.79 min Scan# 321
Delta R.T. -0.06 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

Tot Ion: 49 Resp: 164
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 67.3 100.9#

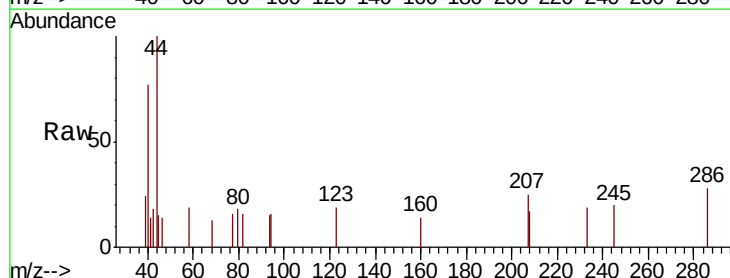


Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

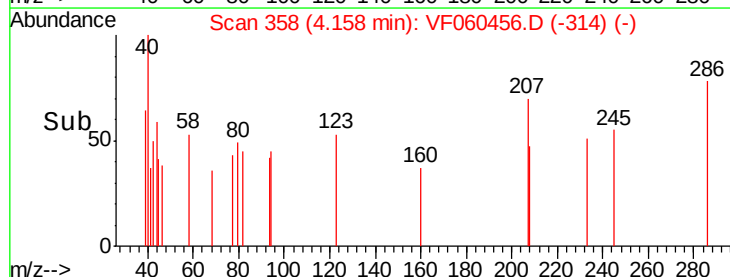
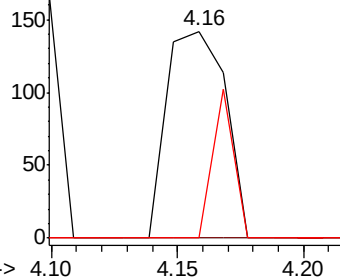


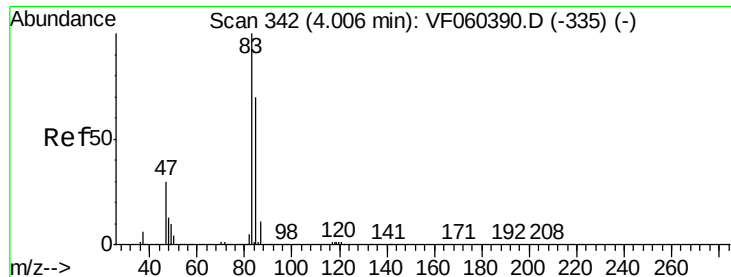
#29
Tetrahydrofuran
Concen: 2331.319 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.06 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 42 Resp: 231
Ion Ratio Lower Upper
42 100
72 0.0 33.6 50.4#
71 26.0 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

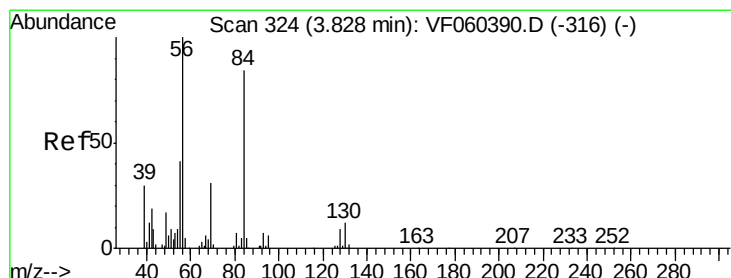
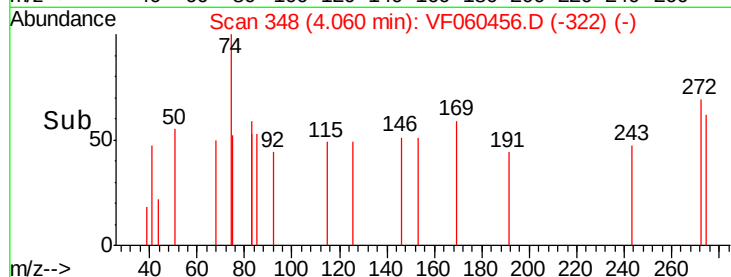
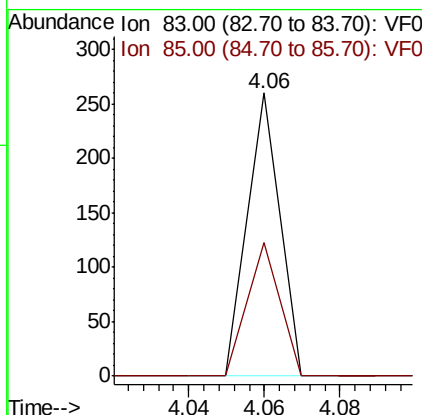
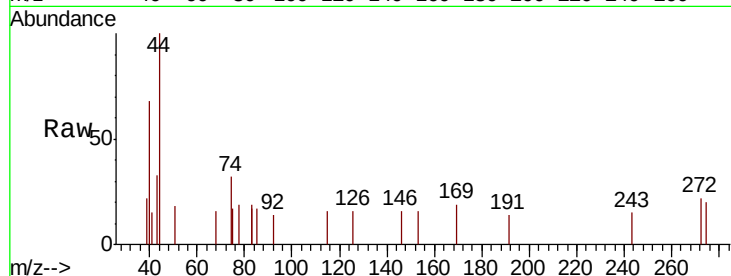




#30
Chloroform
Concen: 79.262 ug/l
RT: 4.06 min Scan# 348
Delta R.T. 0.05 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

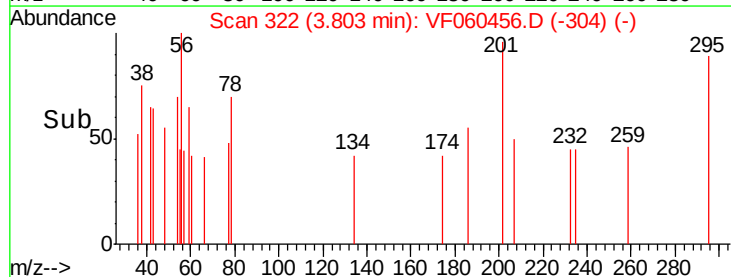
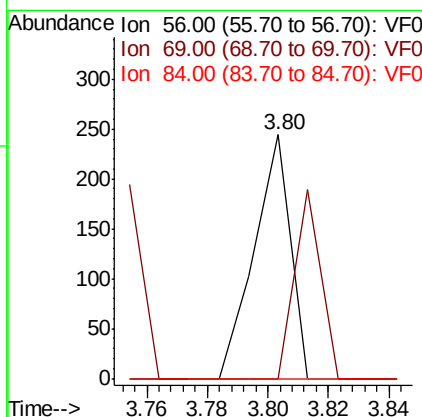
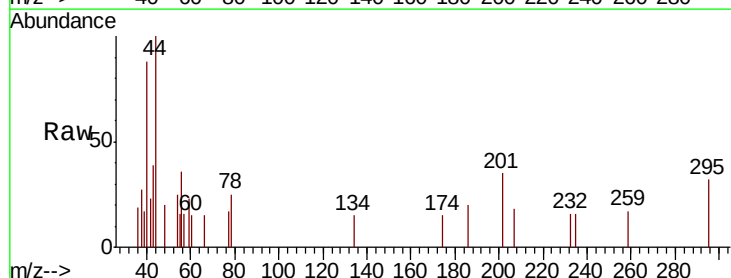
Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

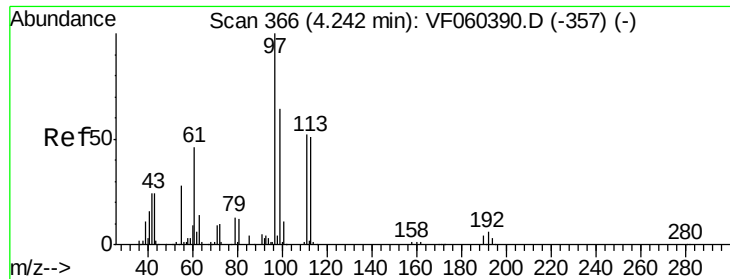
Tot Ion: 83 Resp: 154
Ion Ratio Lower Upper
83 100
85 47.3 55.9 83.9#



#31
Cyclohexane
Concen: 181.311 ug/l
RT: 3.80 min Scan# 322
Delta R.T. -0.03 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
69 0.0 25.5 38.3#
84 0.0 67.4 101.0#





#32

1,1,1-Trichloroethane

Concen: 45.770 ug/l

RT: 4.21 min Scan# 363

Delta R.T. -0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

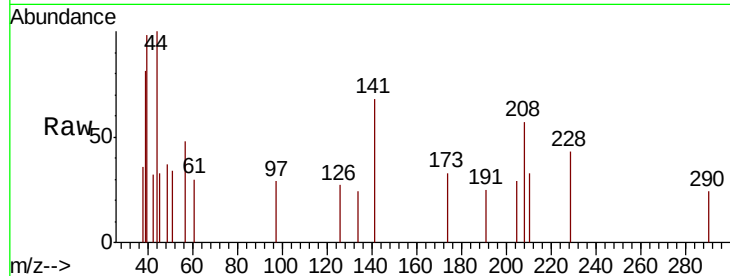
Tot Ion: 97 Resp: 74

Ion Ratio Lower Upper

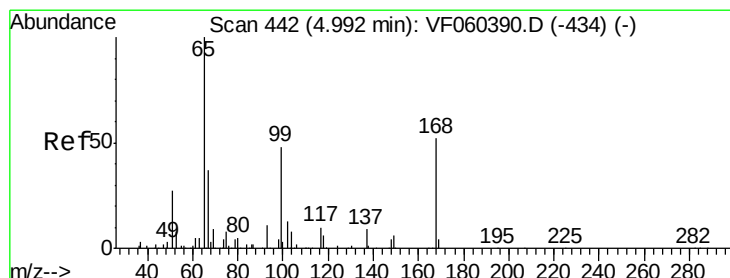
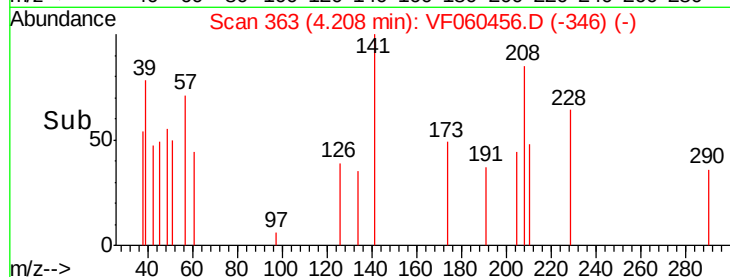
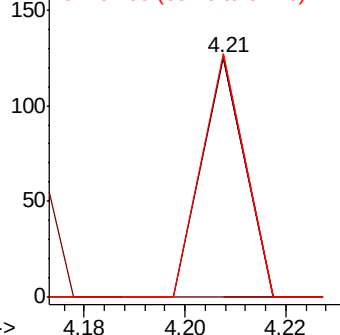
97 100

99 0.0 51.0 76.4#

61 101.6 37.5 56.3#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 59.066 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.08 min

Lab File: VF060456.D

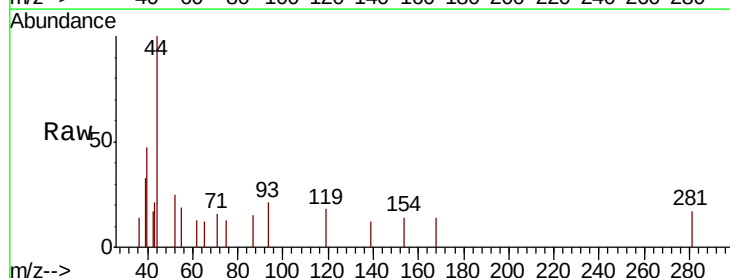
Acq: 5 Oct 2018 00:34

Tgt Ion: 65 Resp: 61

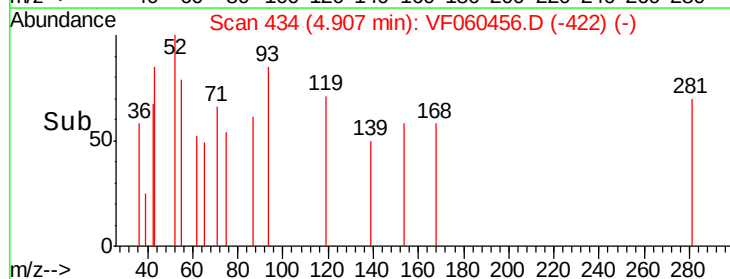
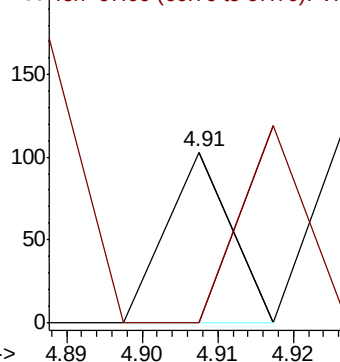
Ion Ratio Lower Upper

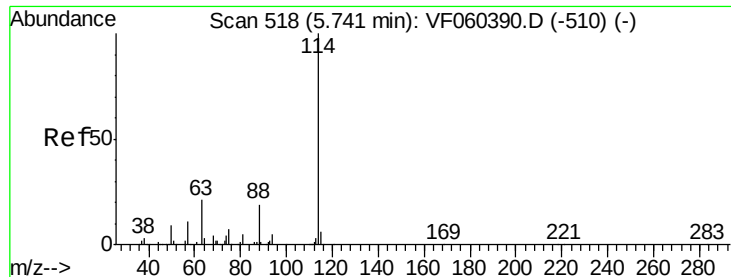
65 100

67 0.0 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

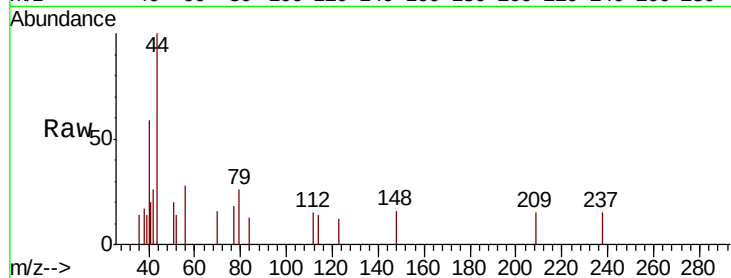




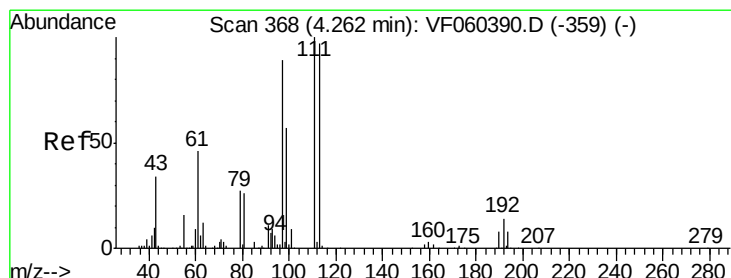
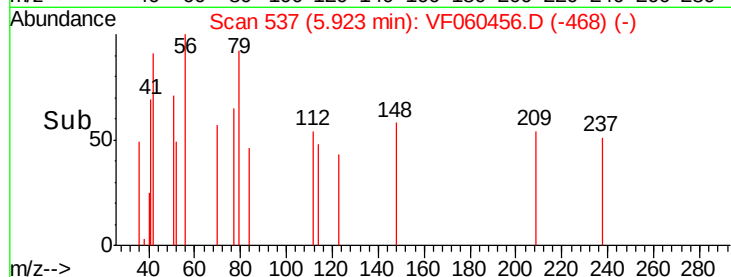
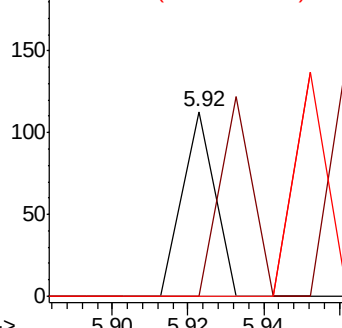
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.92 min Scan# 537
 Delta R.T. 0.18 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-100418

Tot Ion:114 Resp: 67
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.2
 88 0.0 0.0 38.8

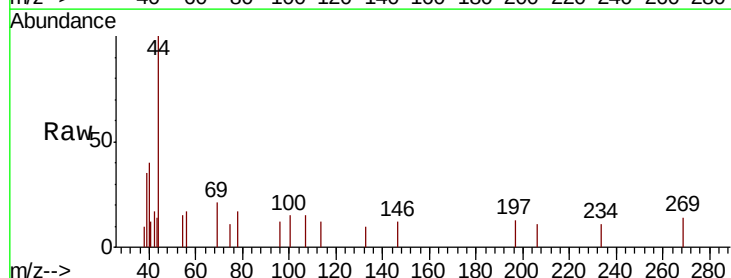


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

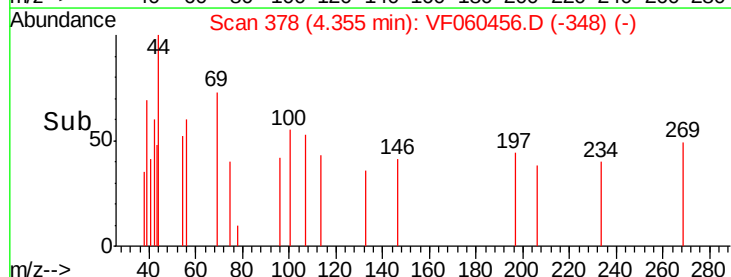
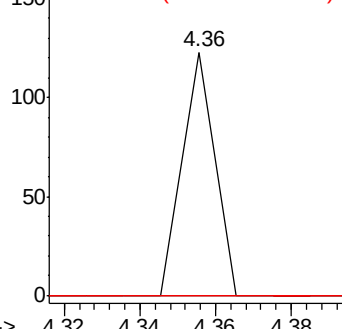


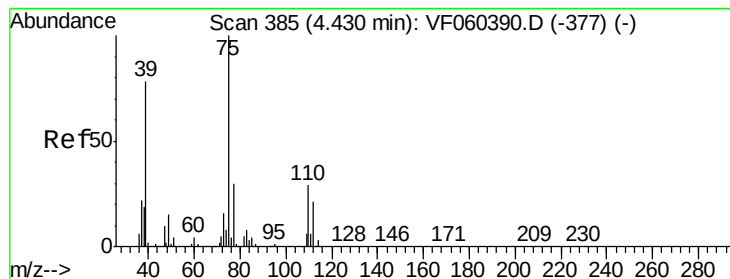
#35
 Dibromofluoromethane
 Concen: 115.979 ug/l
 RT: 4.36 min Scan# 378
 Delta R.T. 0.09 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

Tgt Ion:113 Resp: 73
 Ion Ratio Lower Upper
 113 100
 111 0.0 82.3 123.5#
 192 0.0 11.8 17.6#



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 239.694 ug/l

RT: 4.54 min Scan# 397

Delta R.T. 0.11 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

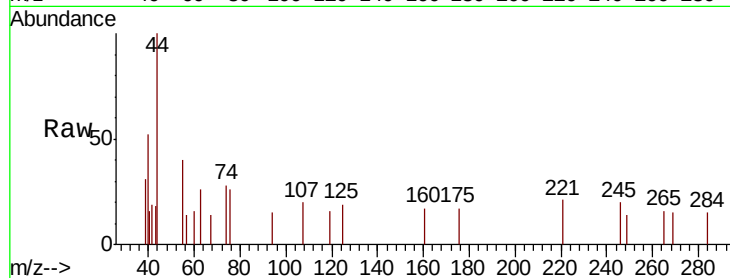
Tot Ion: 75 Resp: 198

Ion Ratio Lower Upper

75 100

110 0.0 14.5 43.6#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

300

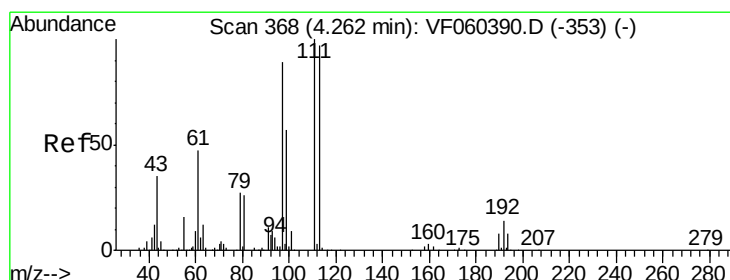
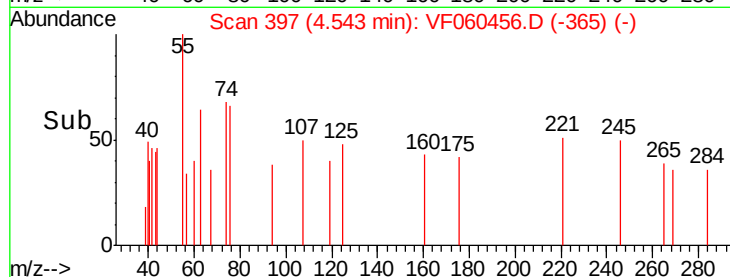
200

100

0

4.52 4.54 4.56

Time-->



#37

Ethyl Acetate

Concen: 572.187 ug/l

RT: 4.45 min Scan# 388

Delta R.T. 0.19 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

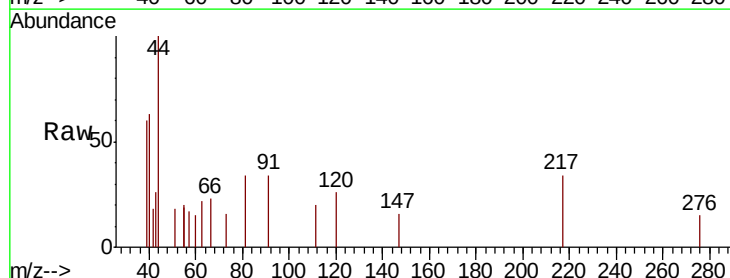
Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

43 100

61 0.0 105.1 157.7#

70 0.0 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

300

250

200

150

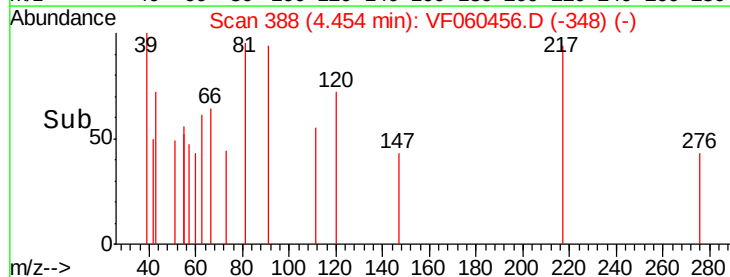
100

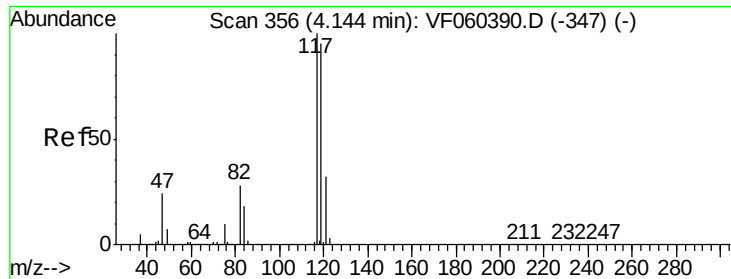
50

0

4.42 4.44 4.46

Time-->





#38

Carbon Tetrachloride

Concen: 59.671 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.18 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

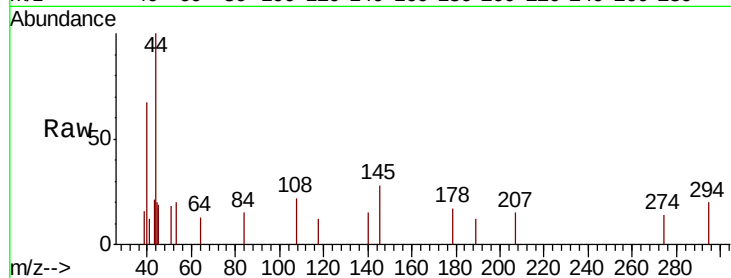
Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

119 0.0 75.5 113.3#

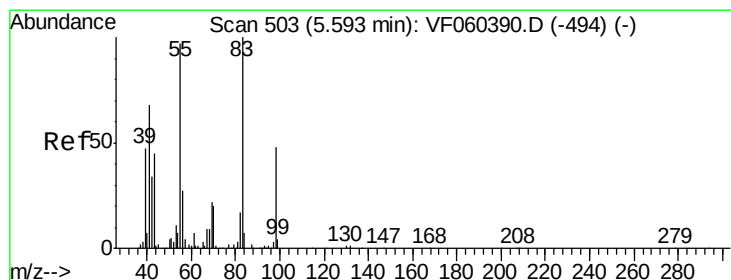
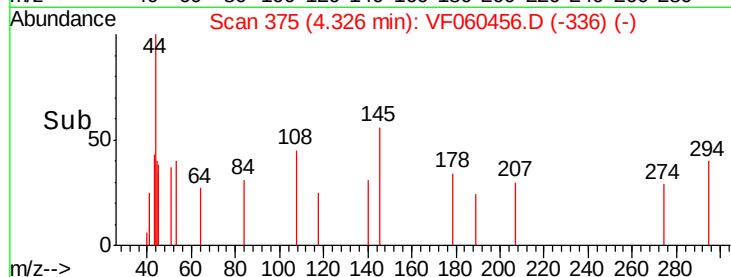
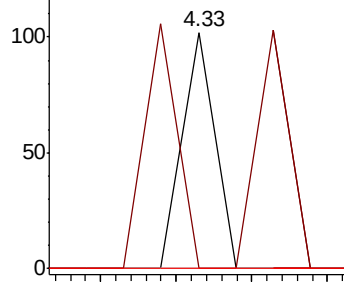
121 0.0 25.4 38.0#



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: 79.030 ug/l

RT: 5.71 min Scan# 515

Delta R.T. 0.11 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

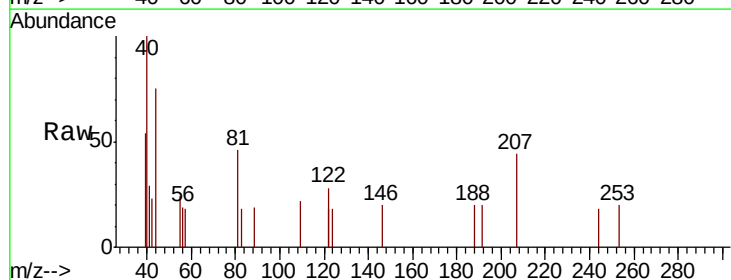
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

55 132.1 77.5 116.3#

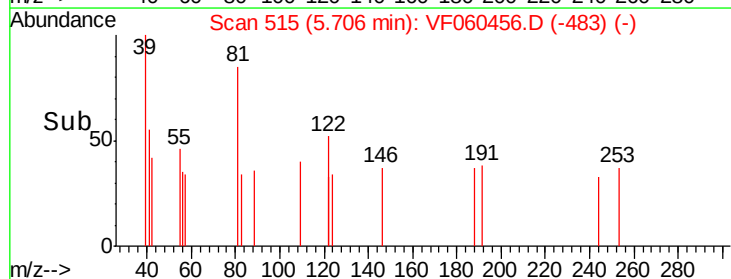
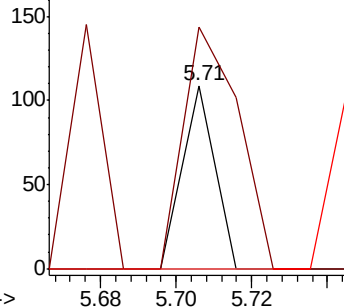
98 0.0 38.7 58.1#

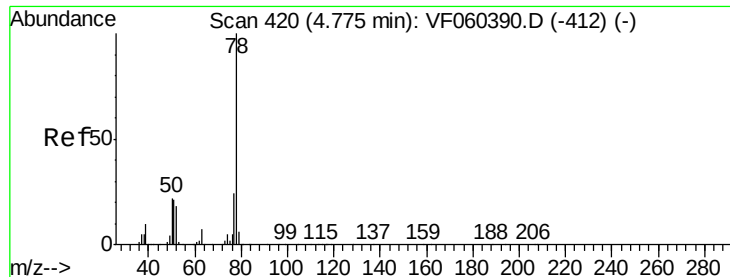


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 64.639 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.16 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

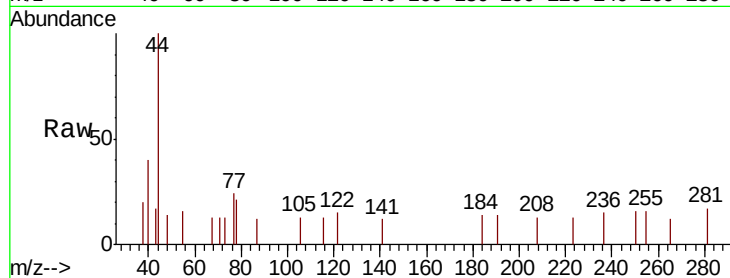
TR-05-100418

Tot Ion: 78 Resp: 106

Ion Ratio Lower Upper

78 100

77 115.1 19.2 28.8#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.94

200

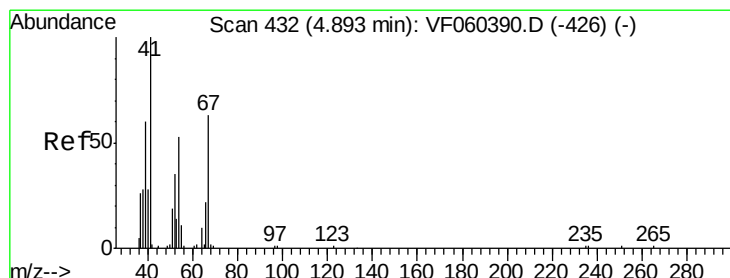
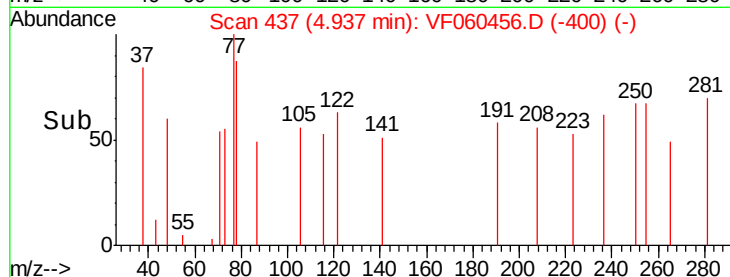
150

100

50

0

Time--> 4.90 4.92 4.94 4.96



#41

Methacrylonitrile

Concen: 3273.214 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.16 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Tgt Ion: 41 Resp: 549

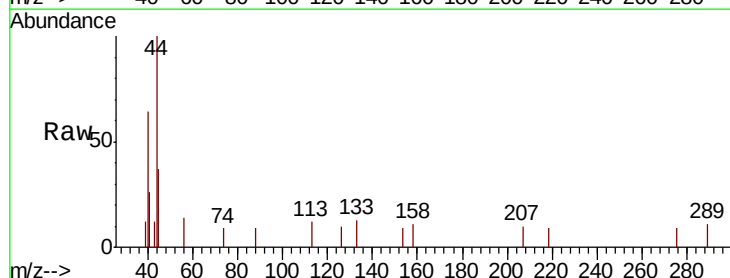
Ion Ratio Lower Upper

41 100

39 45.3 55.0 82.4#

67 0.0 49.6 74.4#

52 0.0 38.8 58.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

500

400

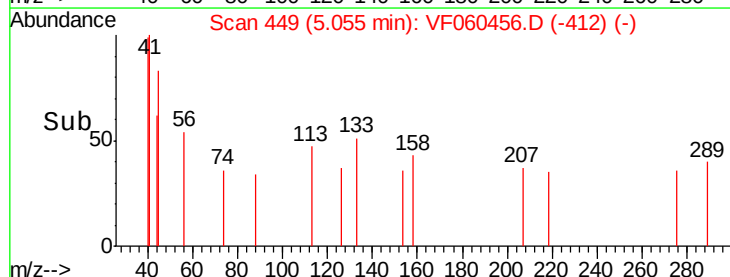
300

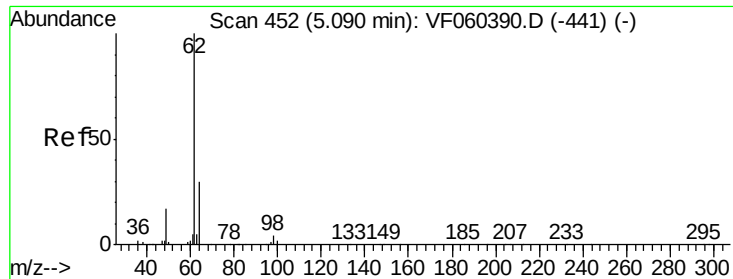
200

100

0

Time--> 5.00 5.05 5.10

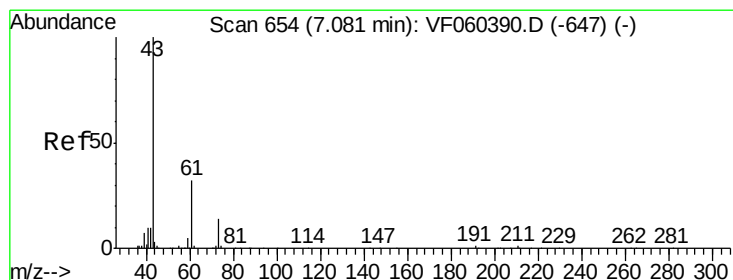
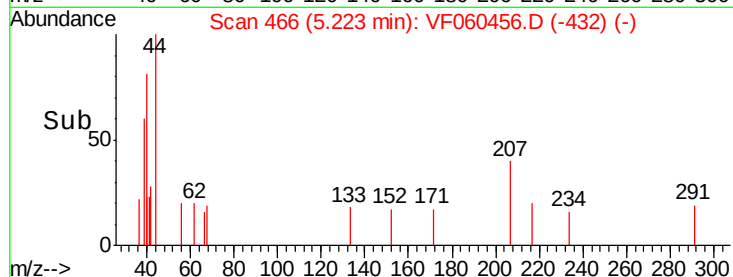
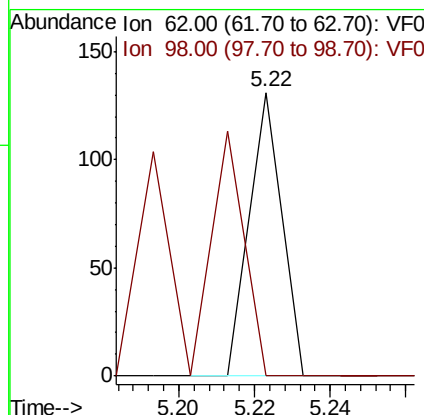
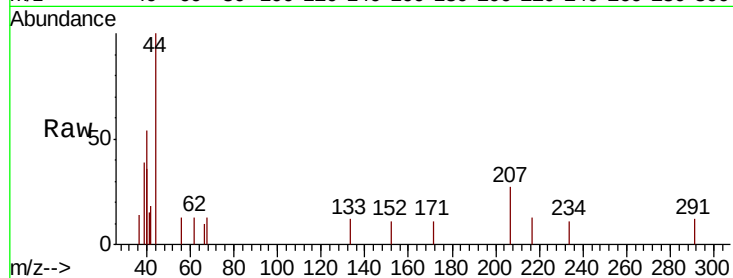




#42
 1,2-Dichloroethane
 Concen: 98.422 ug/l
 RT: 5.22 min Scan# 466
 Delta R.T. 0.13 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

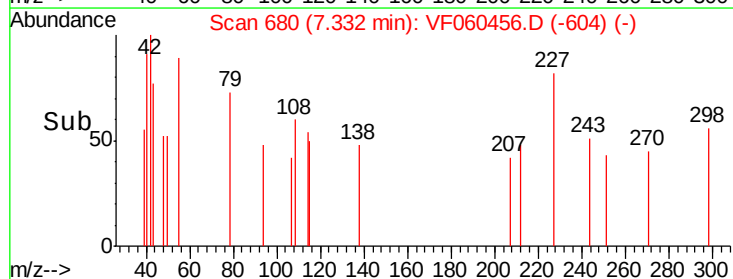
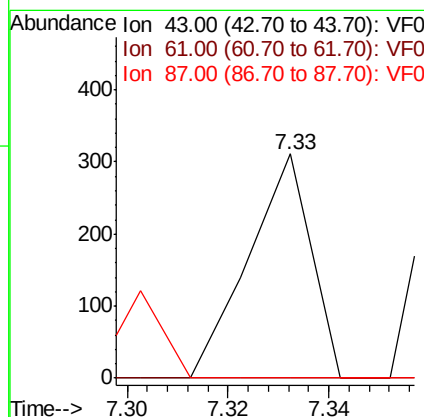
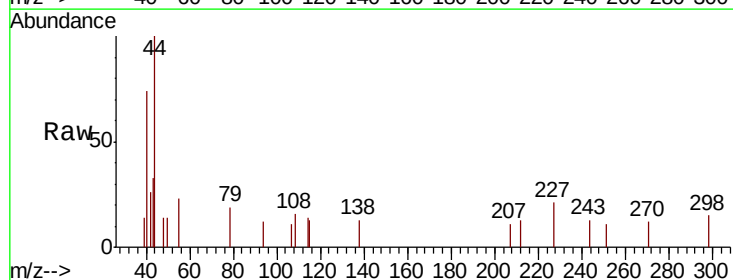
Instrument :
 MSVOA_F
 ClientSampled :
 TR-05-100418

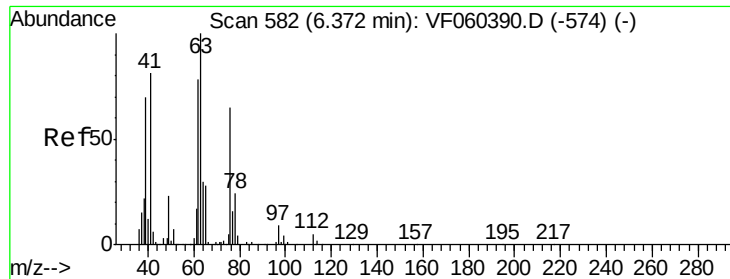
Tot Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 11.2



#43
 Isopropyl Acetate
 Concen: 698.445 ug/l
 RT: 7.33 min Scan# 680
 Delta R.T. 0.25 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

Tgt Ion: 43 Resp: 267
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.4 38.2#
 87 0.0 0.3 0.5#

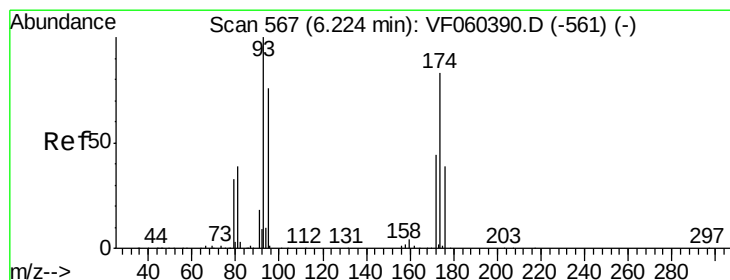
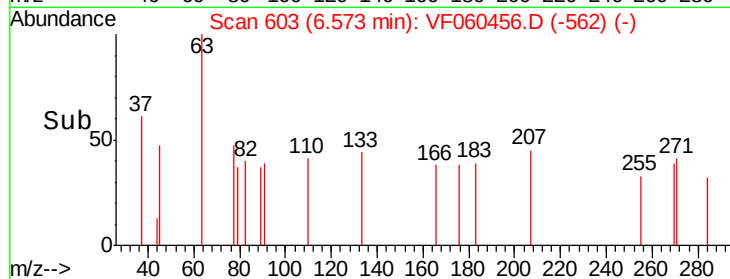
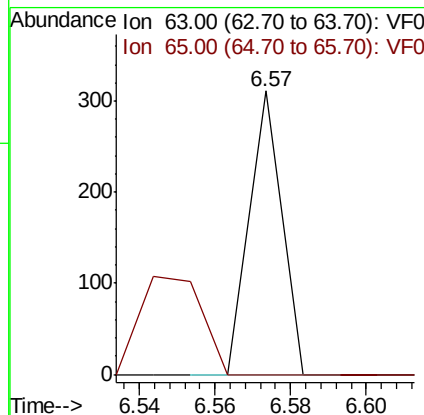
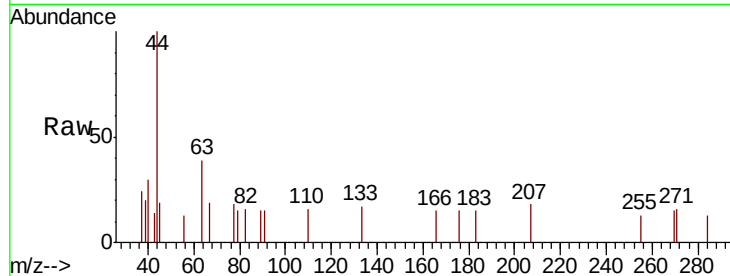




#45
 1,2-Dichloropropane
 Concen: 421.325 ug/l
 RT: 6.57 min Scan# 603
 Delta R.T. 0.20 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

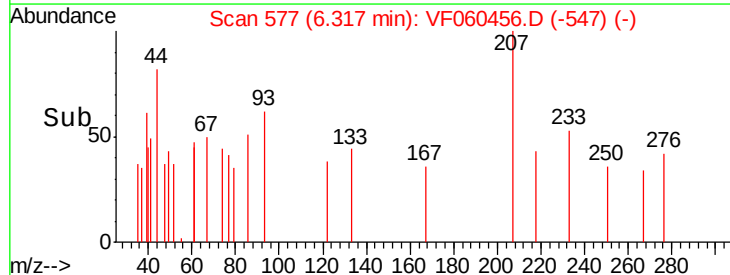
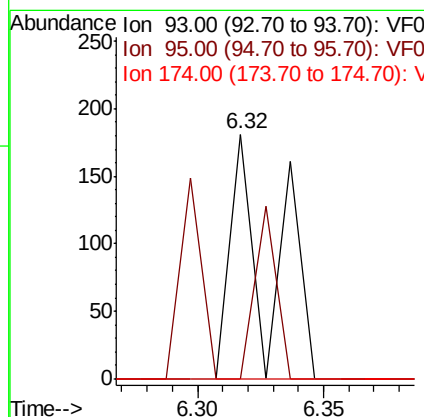
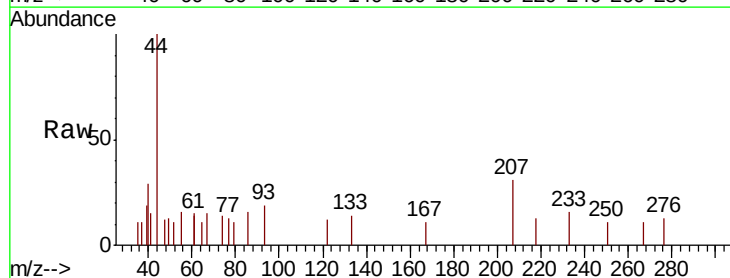
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-100418

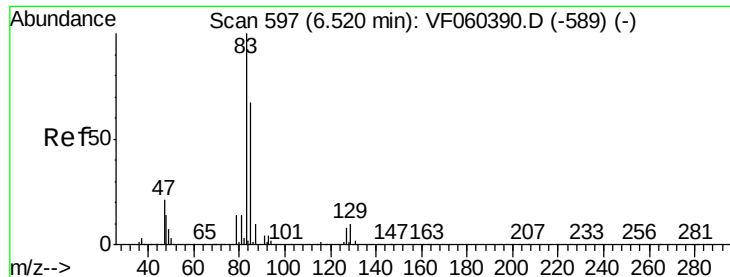
Tot Ion: 63 Resp: 184
 Ion Ratio Lower Upper
 63 100
 65 0.0 22.7 34.1#



#46
 Dibromomethane
 Concen: 575.298 ug/l
 RT: 6.32 min Scan# 577
 Delta R.T. 0.09 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

Tgt Ion: 93 Resp: 202
 Ion Ratio Lower Upper
 93 100
 95 0.0 61.1 91.7#
 174 0.0 66.7 100.1#





#47

Bromodichloromethane

Concen: 87.395 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.21 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

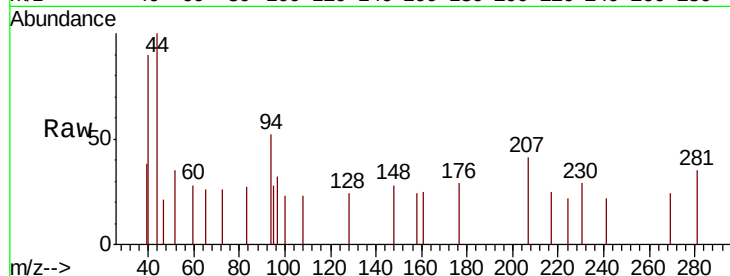
Tot Ion: 83 Resp: 76

Ion Ratio Lower Upper

83 100

85 0.0 53.2 79.8#

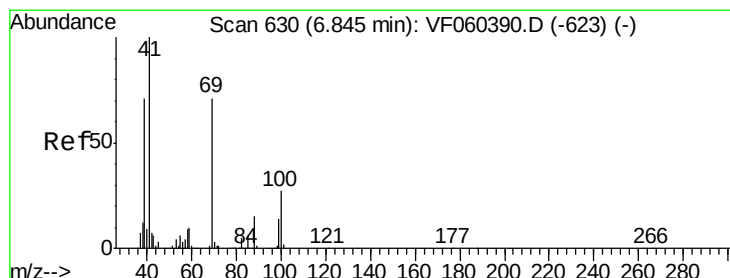
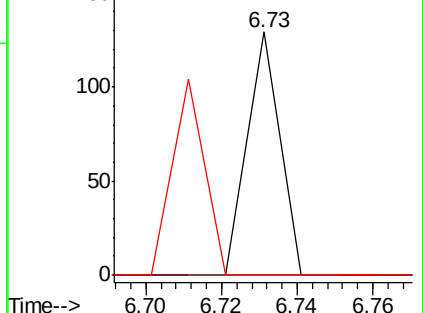
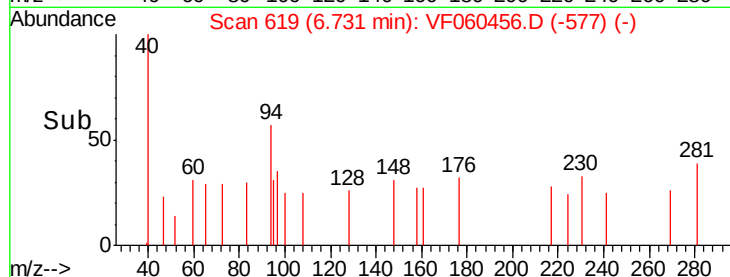
127 0.0 6.6 9.8#



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: 863.666 ug/l

RT: 7.07 min Scan# 653

Delta R.T. 0.22 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

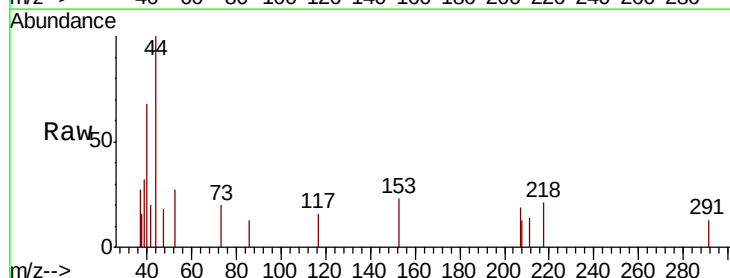
Tgt Ion: 41 Resp: 237

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

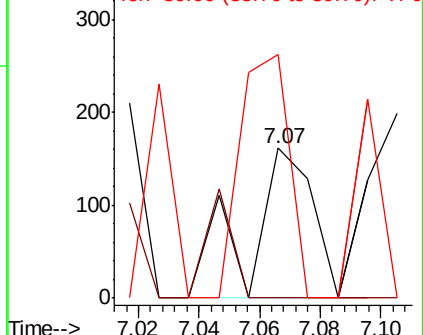
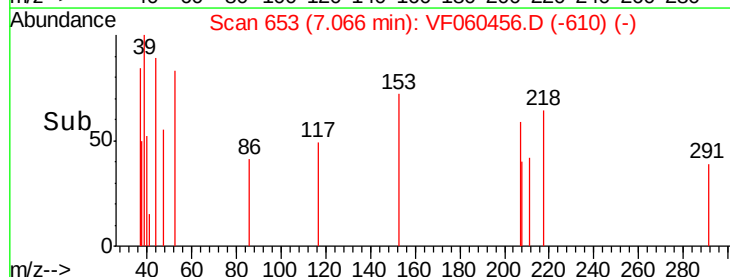
39 162.7 56.9 85.3#

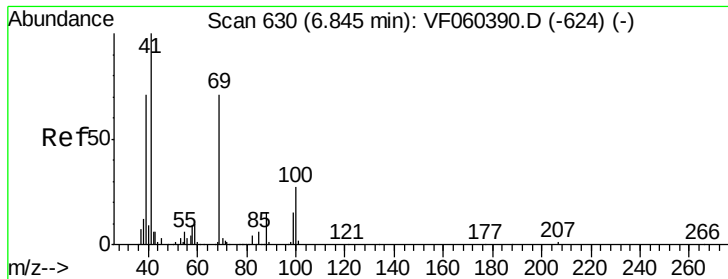


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

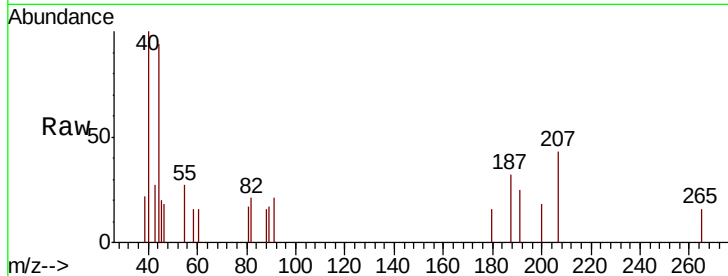




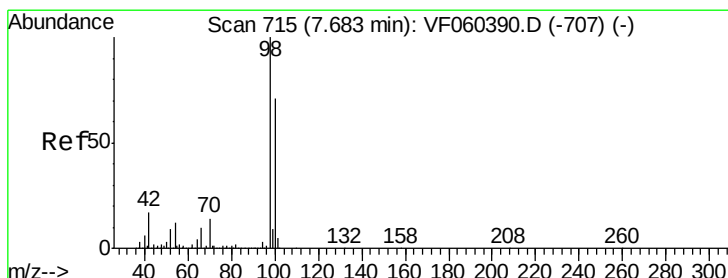
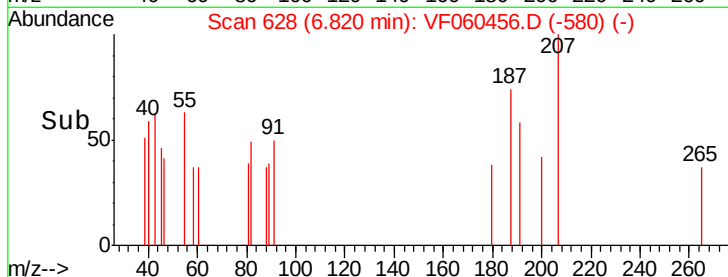
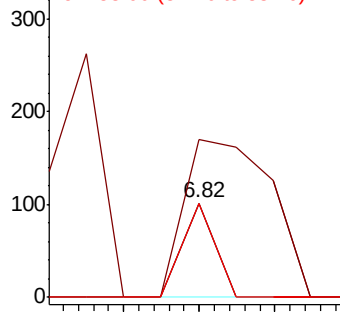
#49
1,4-Dioxane
Concen: 25358.871 ug/l
RT: 6.82 min Scan# 628
Delta R.T. -0.03 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 168.3 38.3 57.5#
58 100.0 47.4 71.2#

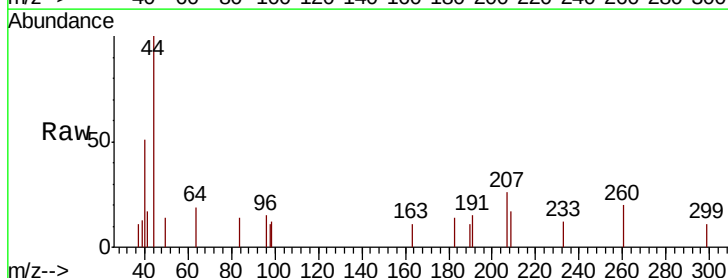


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

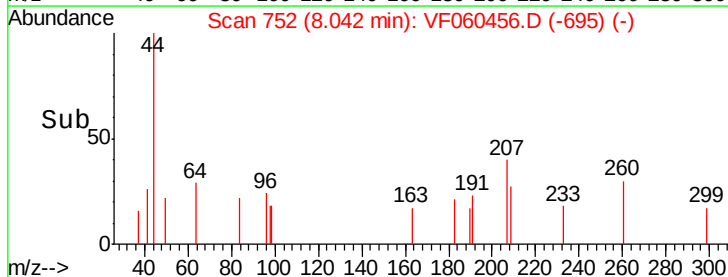
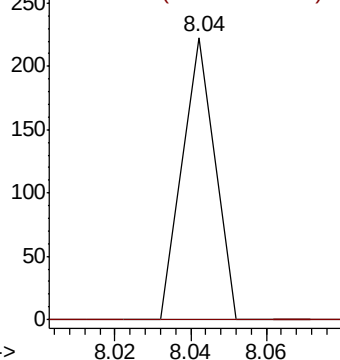


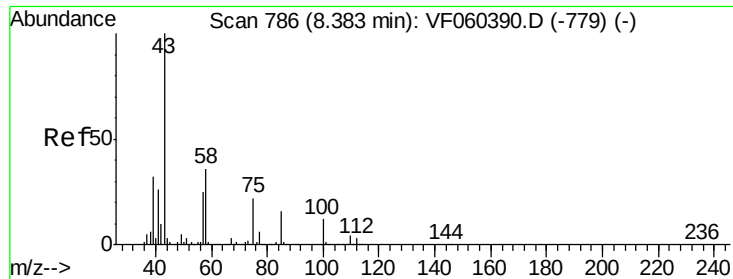
#50
Toluene-d8
Concen: 85.153 ug/l
RT: 8.04 min Scan# 752
Delta R.T. 0.36 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 98 Resp: 132
Ion Ratio Lower Upper
98 100
100 0.0 56.5 84.7#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

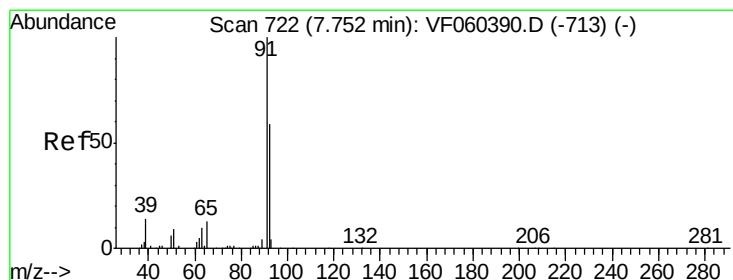
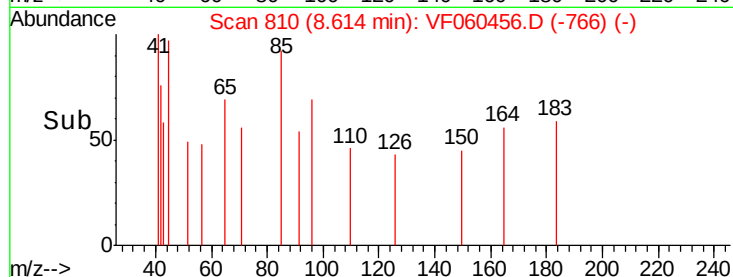
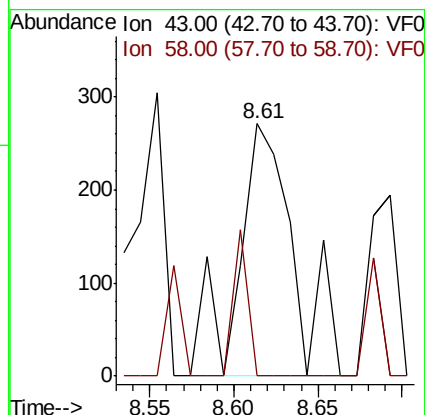
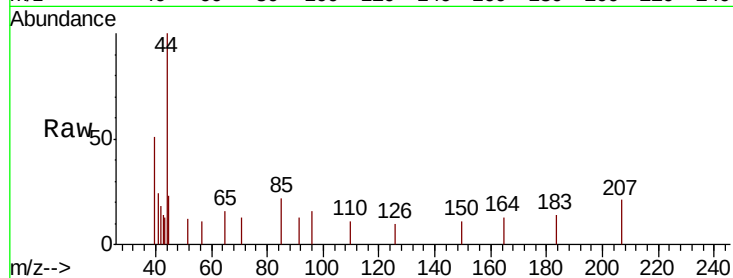




#51
4-Methyl-2-Pentanone
Concen: 2322.485 ug/l
RT: 8.61 min Scan# 810
Delta R.T. 0.23 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

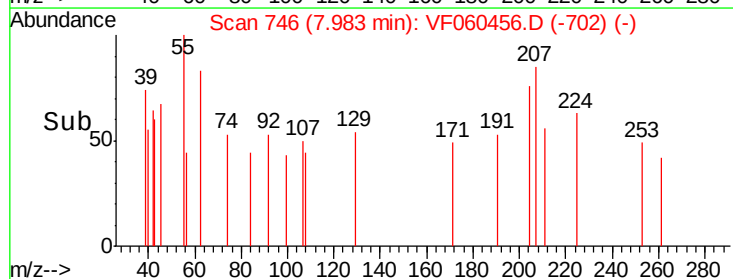
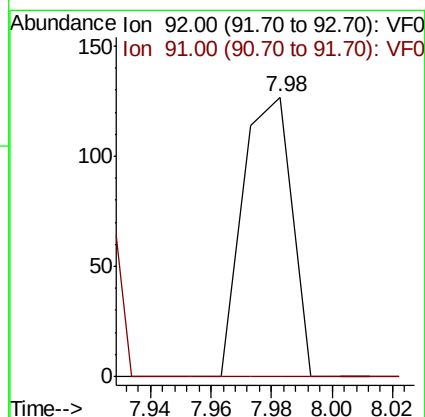
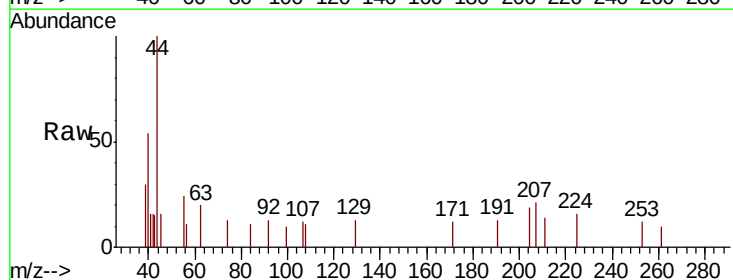
Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

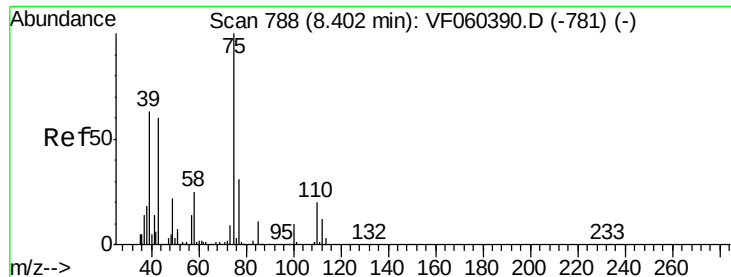
Tot Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#



#52
Toluene
Concen: 128.384 ug/l
RT: 7.98 min Scan# 746
Delta R.T. 0.23 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion: 92 Resp: 143
Ion Ratio Lower Upper
92 100
91 0.0 135.4 203.0#





#53

t-1,3-Dichloropropene

Concen: 92.442 ug/l

RT: 8.64 min Scan# 813

Delta R.T. 0.24 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

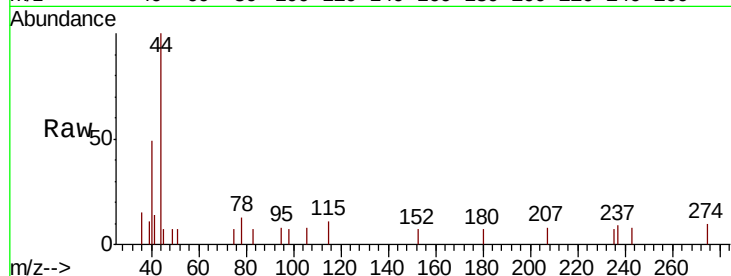
TR-05-100418

Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

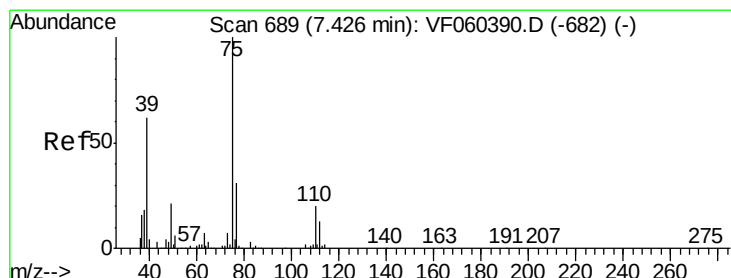
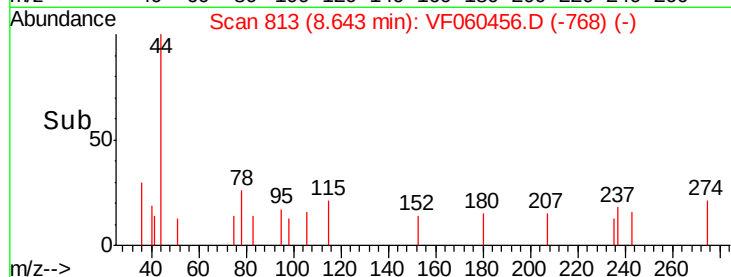
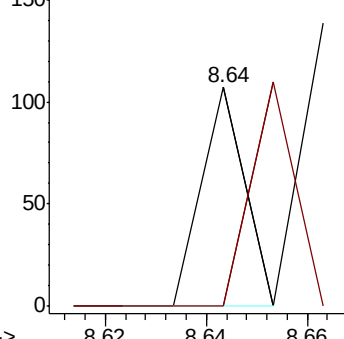
75 100

77 0.0 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 112.995 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.20 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

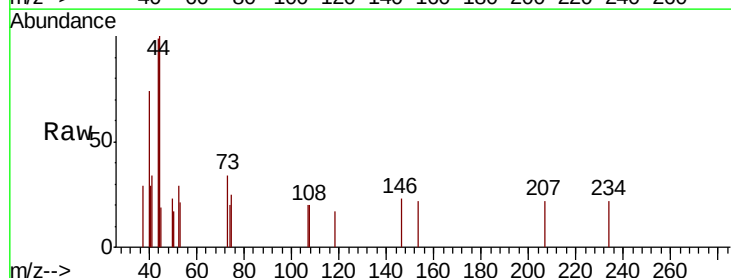
Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

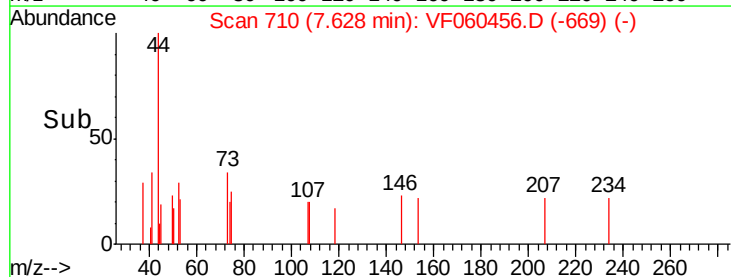
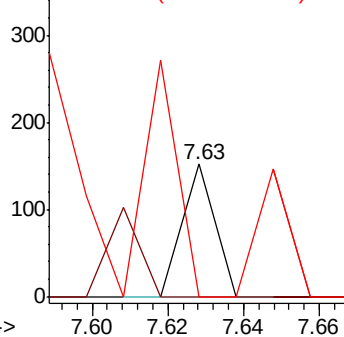
39 0.0 49.7 74.5#

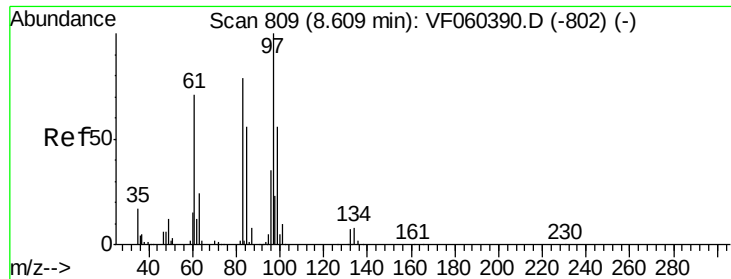


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 215.263 ug/l

RT: 8.82 min Scan# 831

Delta R.T. 0.21 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

Tot Ion: 97 Resp: 76

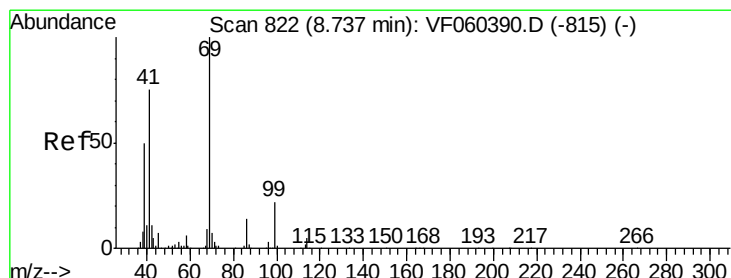
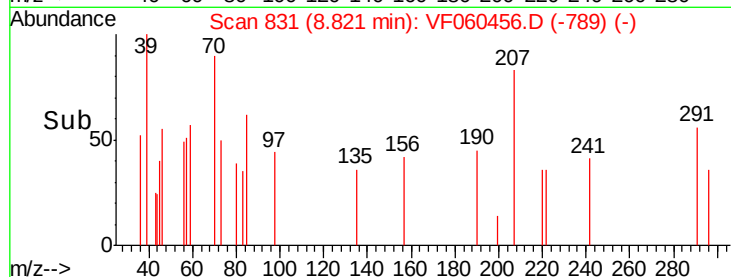
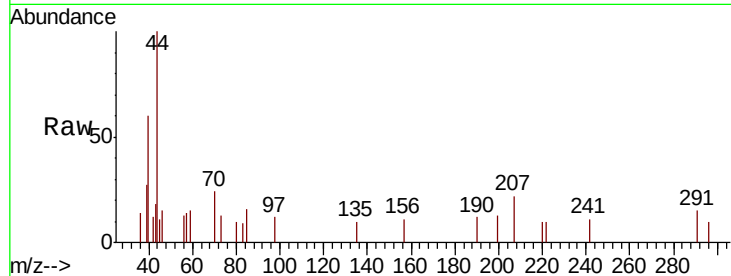
Ion Ratio Lower Upper

97 100

83 79.7 63.4 95.0

85 139.1 44.5 66.7#

99 0.0 45.1 67.7#



#56

Ethyl methacrylate

Concen: 256.738 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.27 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

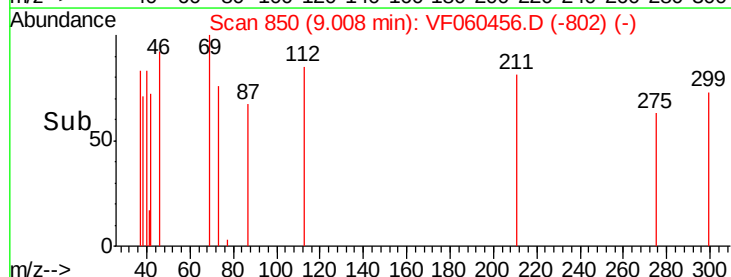
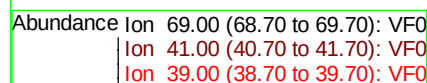
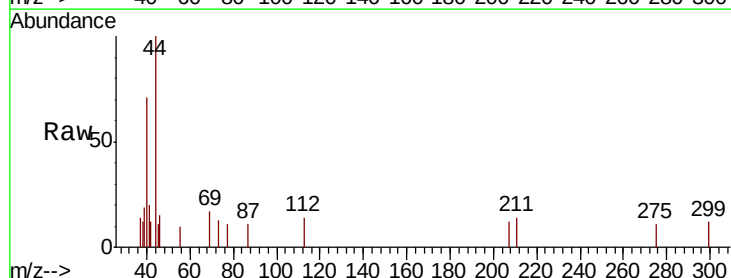
Tgt Ion: 69 Resp: 103

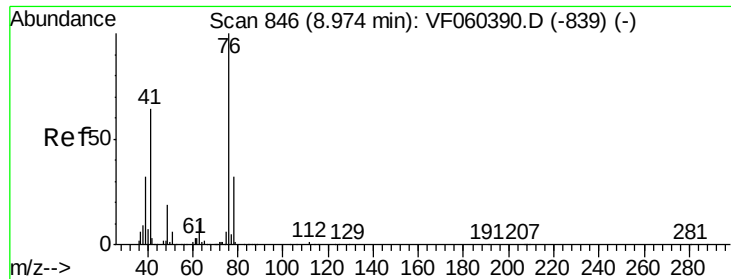
Ion Ratio Lower Upper

69 100

41 118.4 60.2 90.4#

39 110.9 40.2 60.2#





#57

1,3-Dichloropropane

Concen: 117.198 ug/l

RT: 9.24 min Scan# 874

Delta R.T. 0.27 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

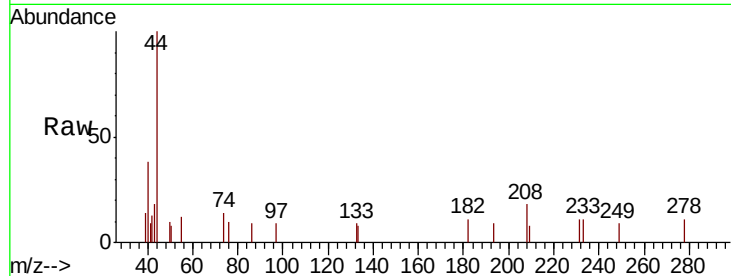
TR-05-100418

Tot Ion: 76 Resp: 70

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150

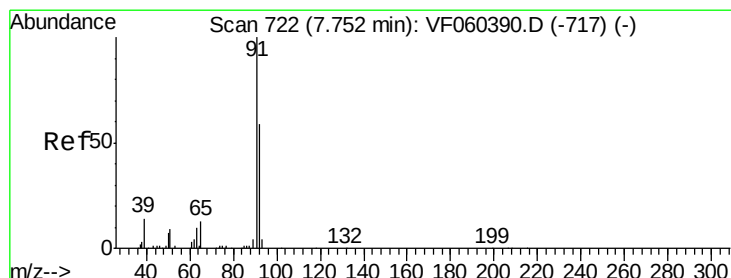
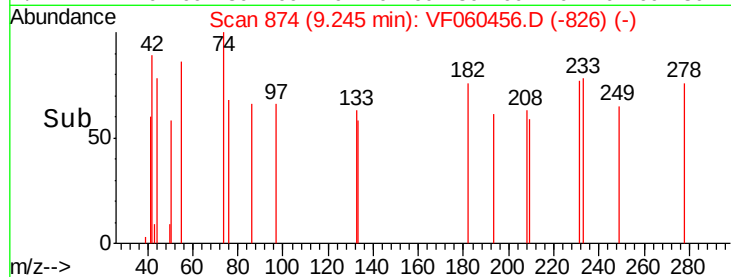
100

50

0

9.23 9.24 9.25 9.26

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2586.667 ug/l

RT: 8.04 min Scan# 752

Delta R.T. 0.29 min

Lab File: VF060456.D

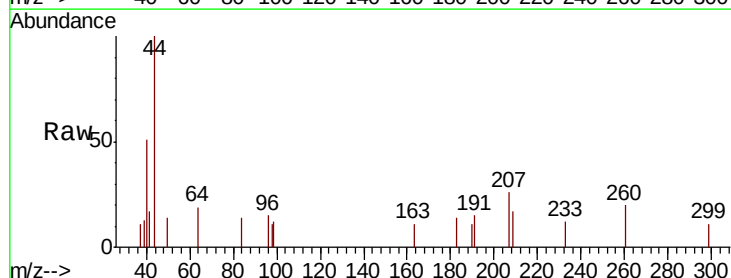
Acq: 5 Oct 2018 00:34

Tgt Ion: 63 Resp: 106

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

200

150

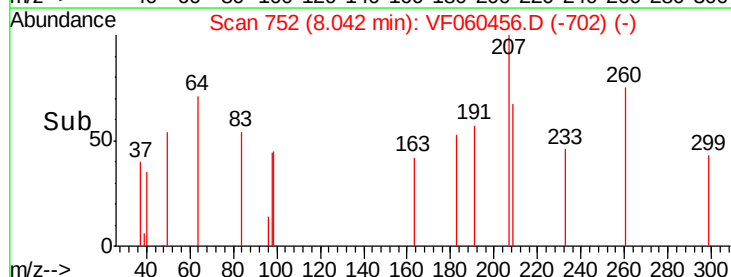
100

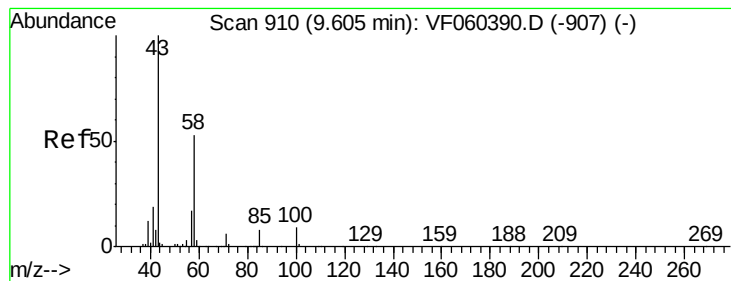
50

0

8.02 8.04 8.06

Time-->





#59

2-Hexanone

Concen: 1628.273 ug/l

RT: 9.88 min Scan# 938

Delta R.T. 0.27 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

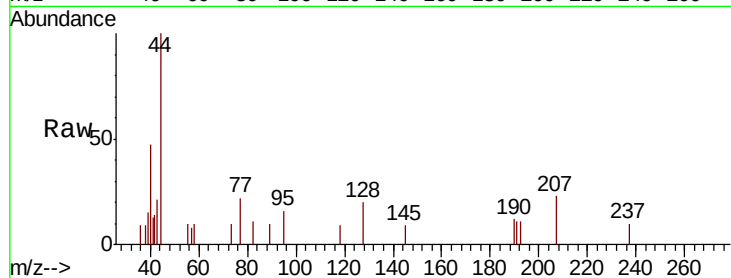
TR-05-100418

Tot Ion: 43 Resp: 325

Ion Ratio Lower Upper

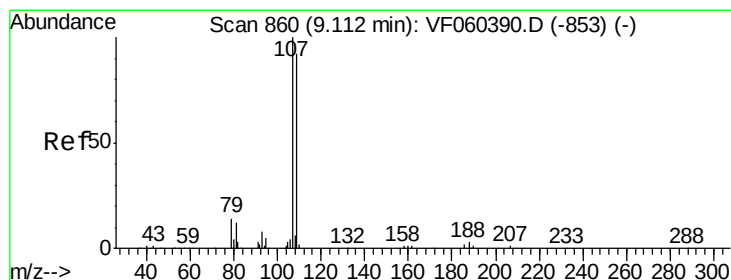
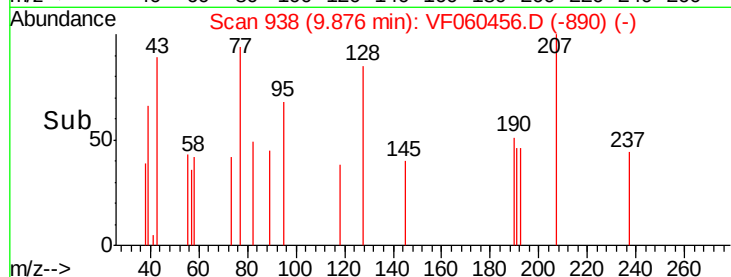
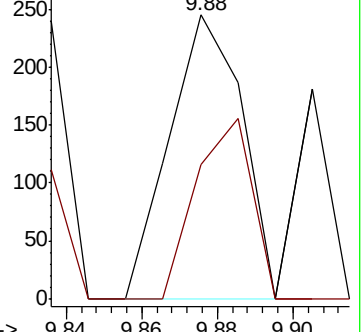
43 100

58 47.3 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#61

1,2-Dibromoethane

Concen: 170.842 ug/l

RT: 9.40 min Scan# 890

Delta R.T. 0.29 min

Lab File: VF060456.D

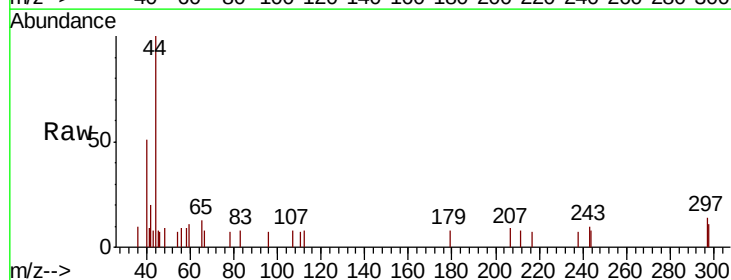
Acq: 5 Oct 2018 00:34

Tgt Ion:107 Resp: 66

Ion Ratio Lower Upper

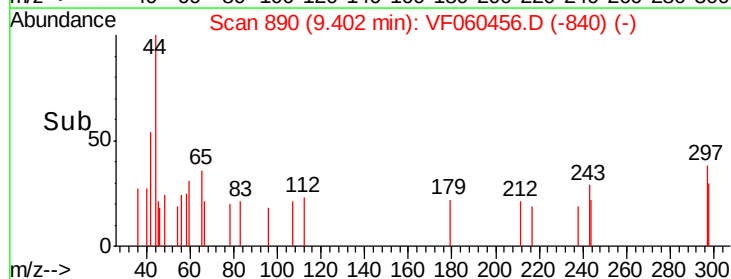
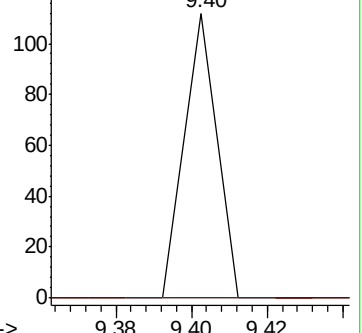
107 100

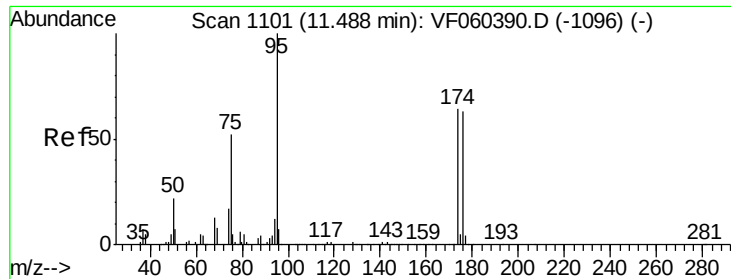
109 0.0 73.7 110.5#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 118.679 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.33 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

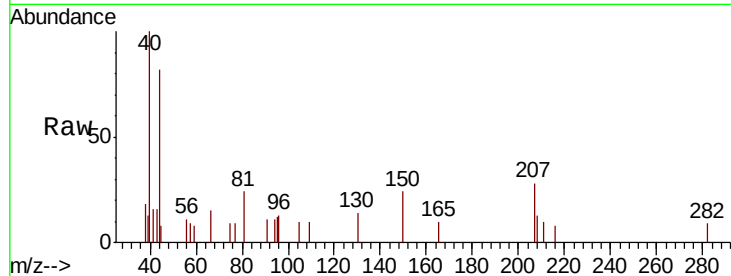
Tot Ion: 95 Resp: 84

Ion Ratio Lower Upper

95 100

174 0.0 0.0 129.0

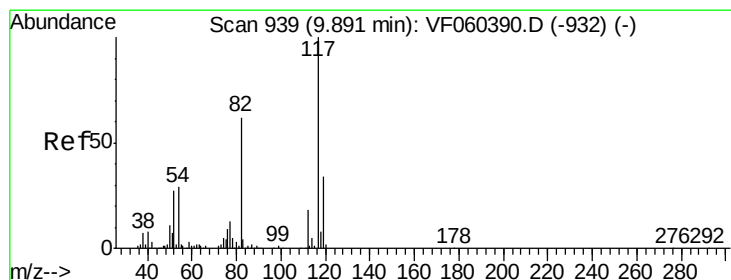
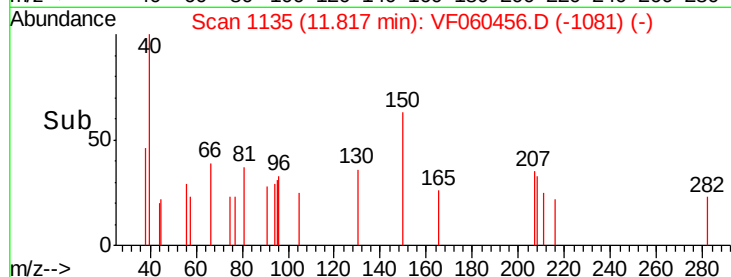
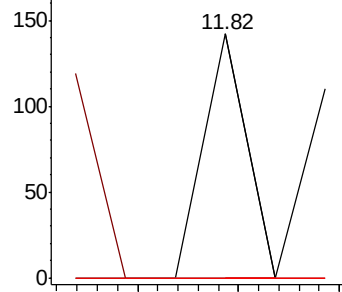
176 0.0 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.13 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

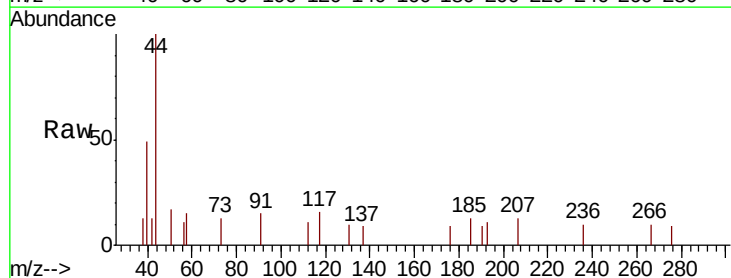
Tgt Ion: 117 Resp: 106

Ion Ratio Lower Upper

117 100

82 0.0 49.5 74.3#

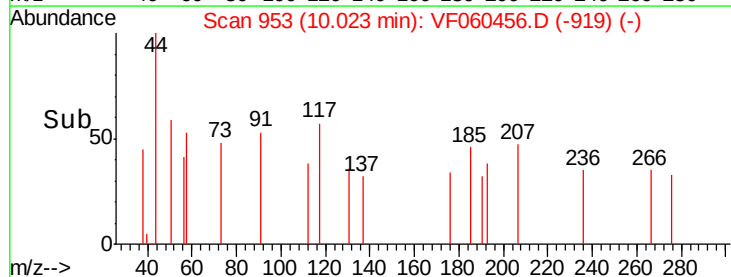
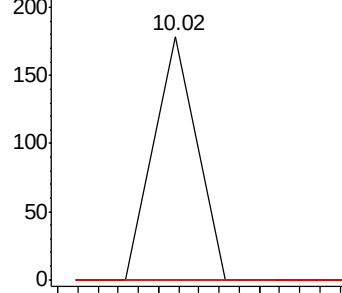
119 0.0 27.0 40.6#

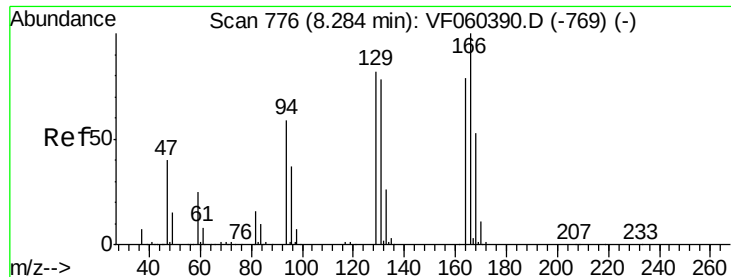


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 72.392 ug/l

RT: 8.35 min Scan# 783

Delta R.T. 0.06 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

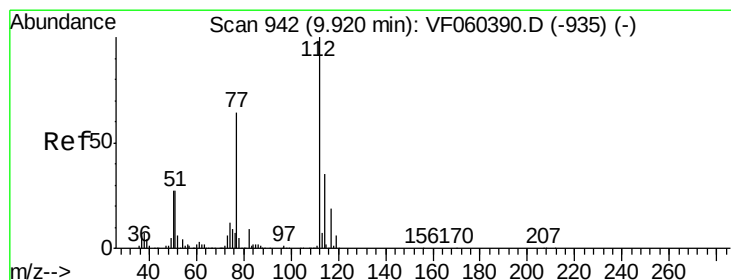
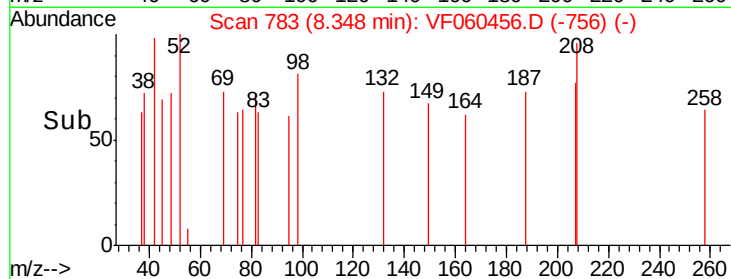
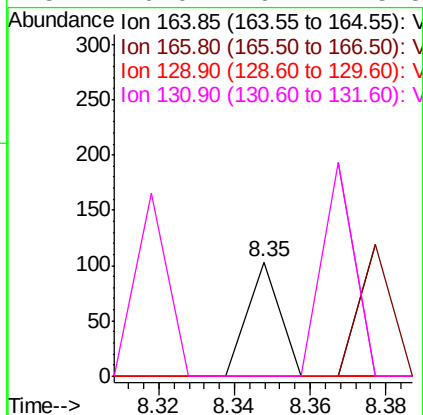
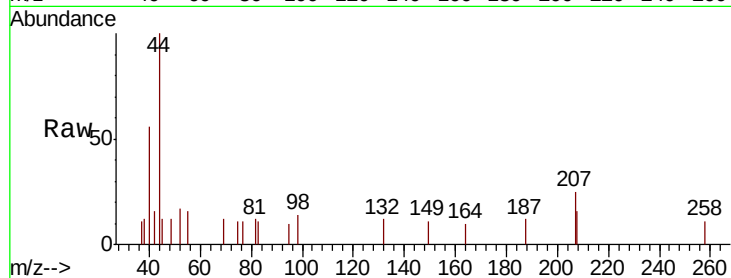
Instrument :

MSVOA_F

ClientSampled :

TR-05-100418

Tot Ion:	164	Resp:	61
Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.0	151.6#
129	0.0	82.5	123.7#
131	0.0	79.2	118.8#



#65

Chlorobenzene

Concen: 32.148 ug/l

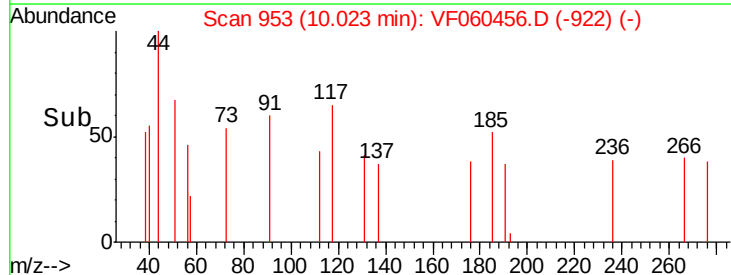
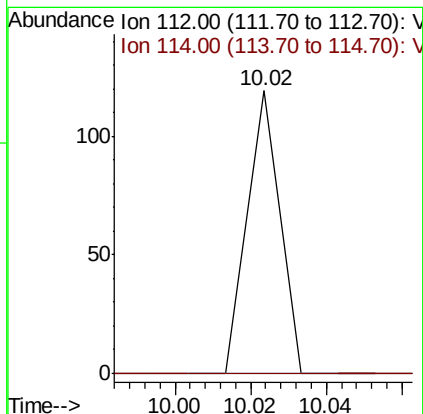
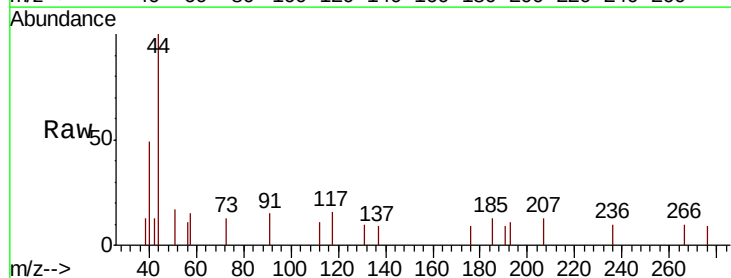
RT: 10.02 min Scan# 953

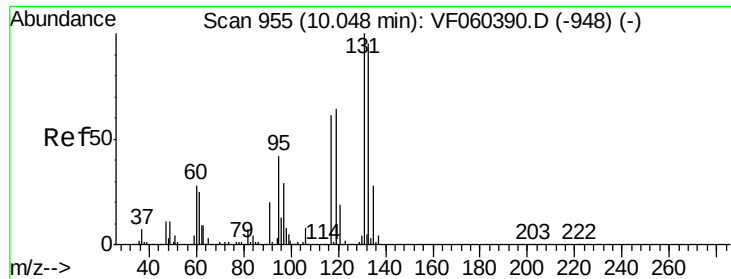
Delta R.T. 0.10 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Tgt Ion:	112	Resp:	70
Ion	Ratio	Lower	Upper
112	100		
114	0.0	27.7	41.5#





#66

1,1,1,2-Tetrachloroethane

Concen: 70.471 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

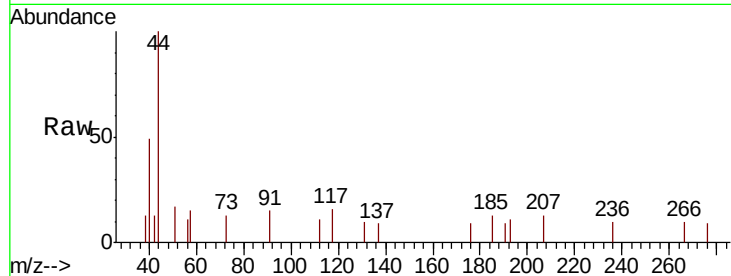
Tot Ion:131 Resp: 67

Ion Ratio Lower Upper

131 100

133 0.0 47.3 141.8#

119 0.0 32.3 96.9#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.02

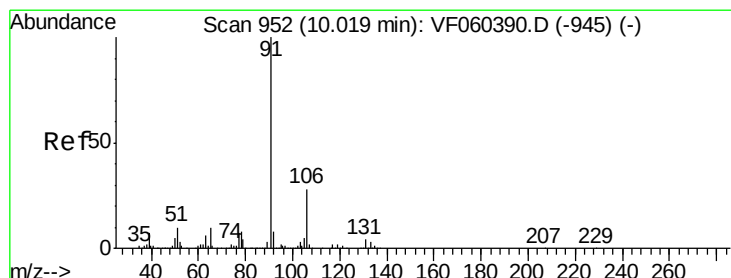
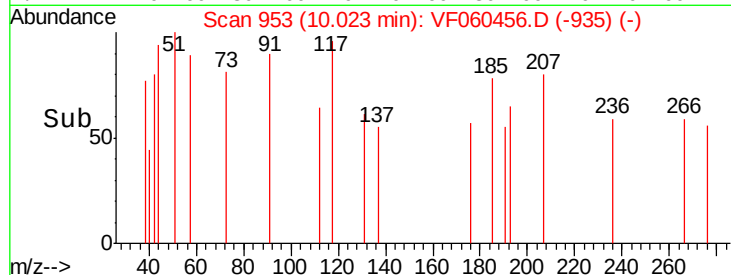
100

50

0

10.00 10.02 10.04

Time-->



#67

Ethyl Benzene

Concen: 40.820 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF060456.D

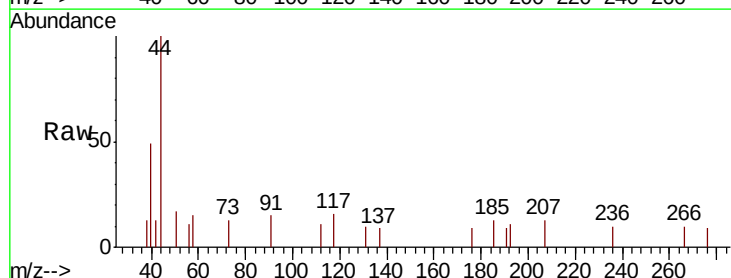
Acq: 5 Oct 2018 00:34

Tgt Ion: 91 Resp: 169

Ion Ratio Lower Upper

91 100

106 0.0 22.5 33.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.02

150

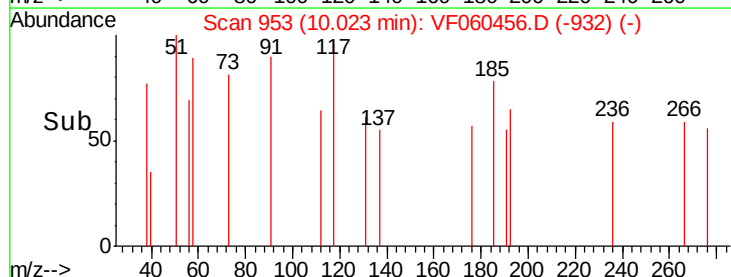
100

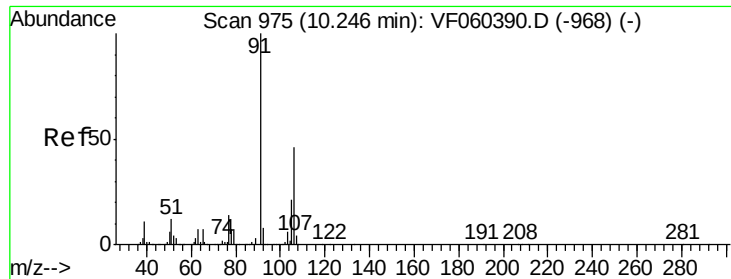
50

0

10.00 10.02 10.05

Time-->

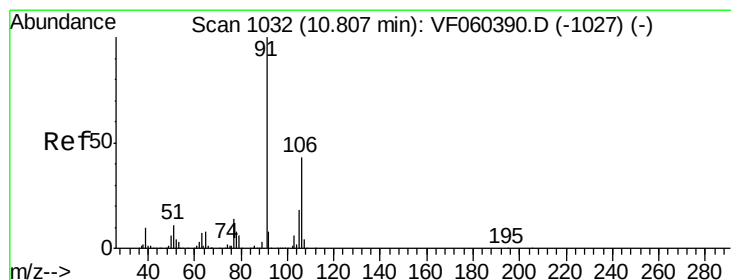
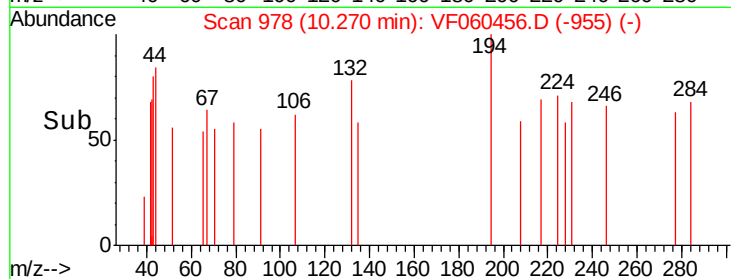
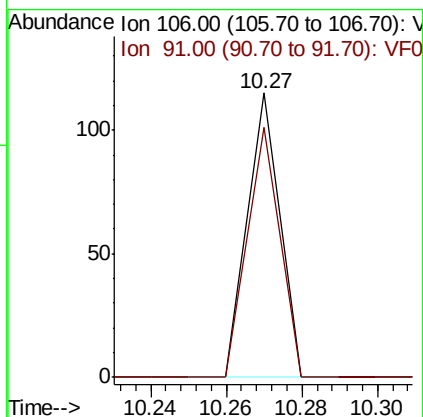
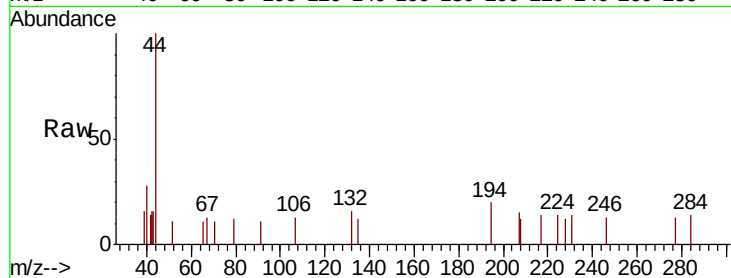




#68
m/p-Xylenes
Concen: 47.778 ug/l
RT: 10.27 min Scan# 978
Delta R.T. 0.02 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

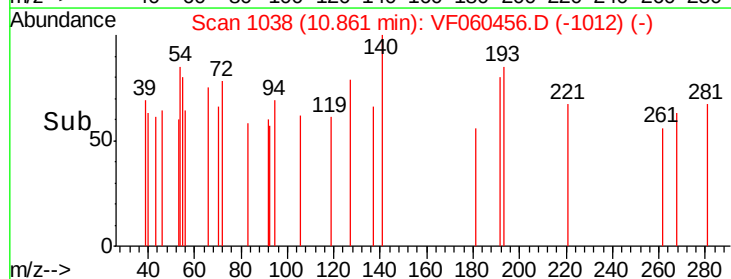
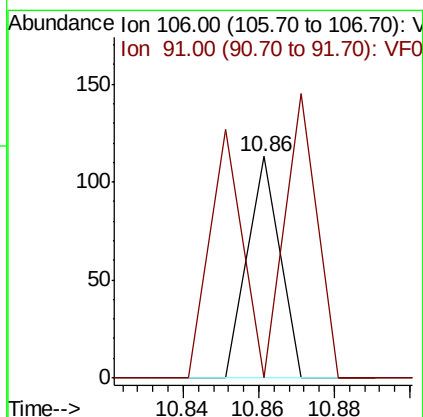
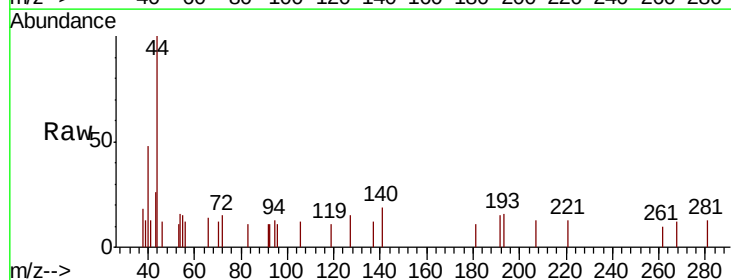
Instrument :
MSVOA_F
ClientSampled :
TR-05-100418

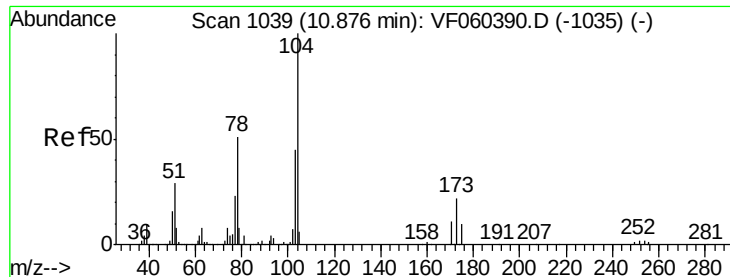
Tot Ion:106 Resp: 68
Ion Ratio Lower Upper
106 100
91 87.8 175.0 262.6#



#69
o-Xylene
Concen: 43.188 ug/l
RT: 10.86 min Scan# 1038
Delta R.T. 0.05 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Tgt Ion:106 Resp: 67
Ion Ratio Lower Upper
106 100
91 0.0 115.1 345.2#





#70

Stvrene

Concen: 31.722 ug/l

RT: 10.93 min Scan# 1045

Delta R.T. 0.05 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

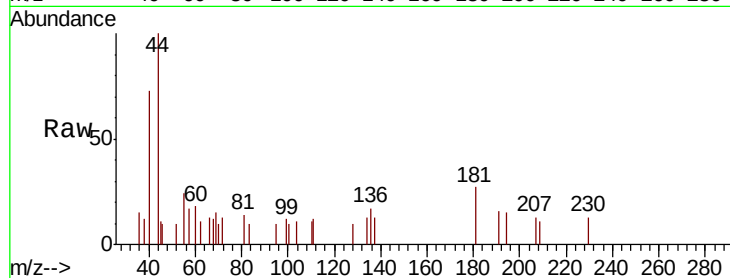
Tot Ion:104 Resp: 70

Ion Ratio Lower Upper

104 100

78 0.0 41.0 61.4#

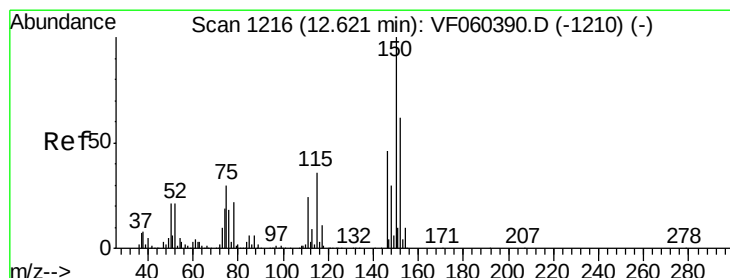
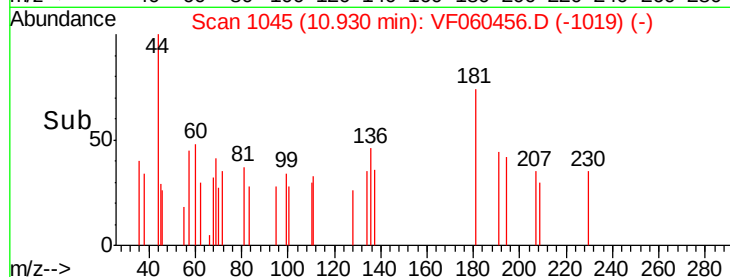
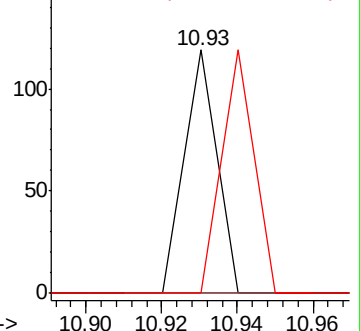
103 0.0 36.4 54.6#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

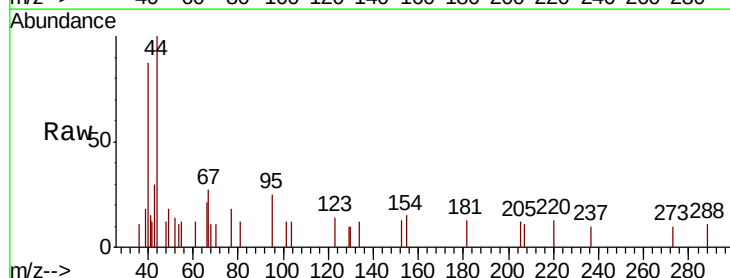
Tgt Ion:152 Resp: 76

Ion Ratio Lower Upper

152 100

115 0.0 28.6 85.8#

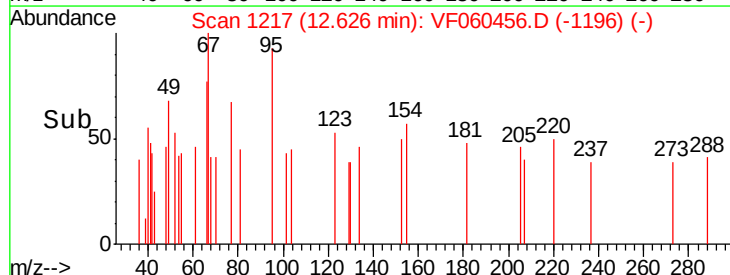
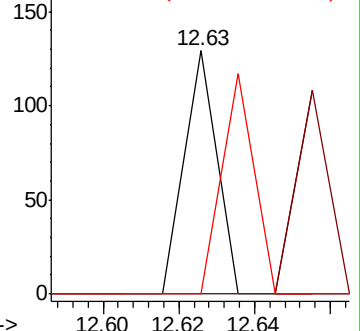
150 0.0 0.0 324.6

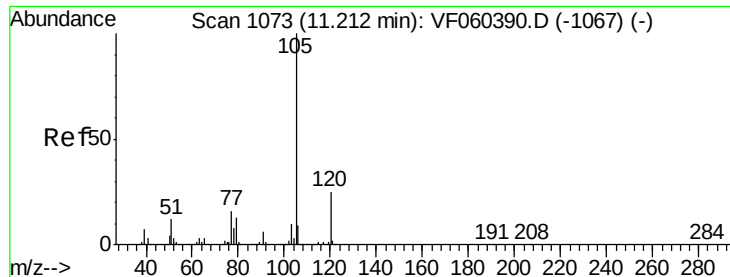


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 32.921 ug/l

RT: 11.25 min Scan# 1077

Delta R.T. 0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

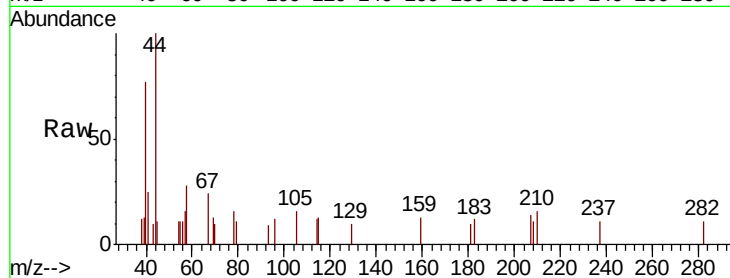
TR-05-100418

Tot Ion:105 Resp: 197

Ion Ratio Lower Upper

105 100

120 0.0 12.3 36.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.25

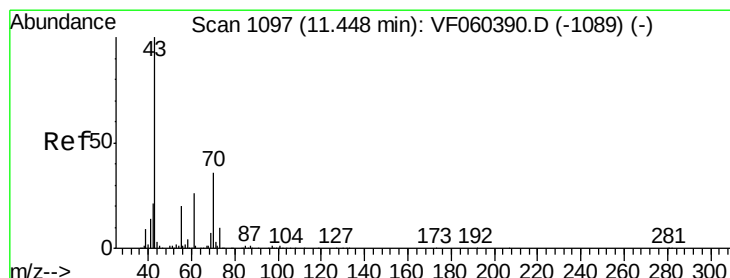
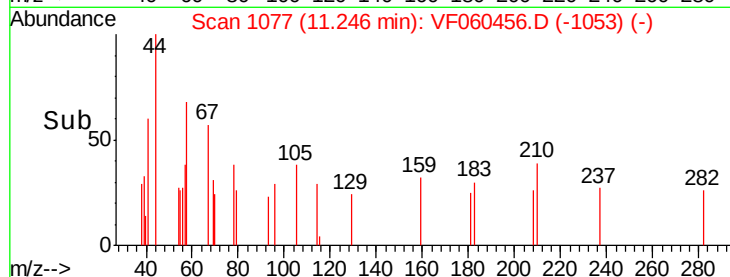
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 315.283 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.01 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Tgt Ion: 43 Resp: 433

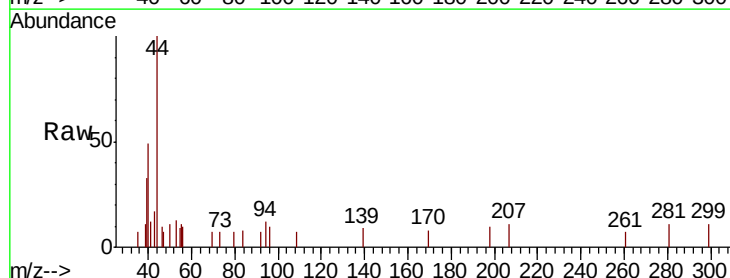
Ion Ratio Lower Upper

43 100

70 0.0 29.1 43.7#

55 117.0 16.3 24.5#

61 0.0 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

400

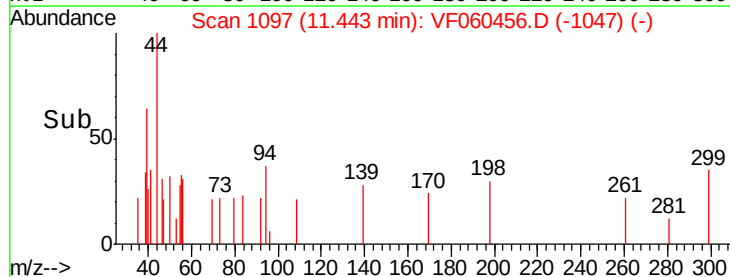
300

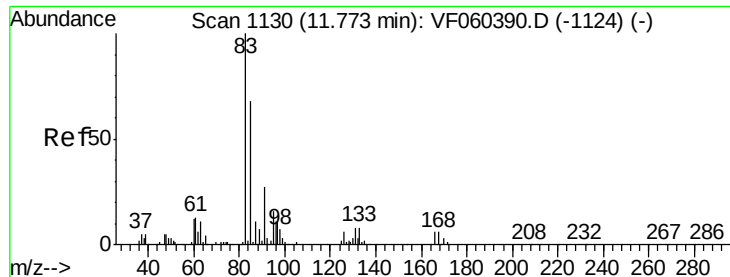
200

100

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 134.741 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

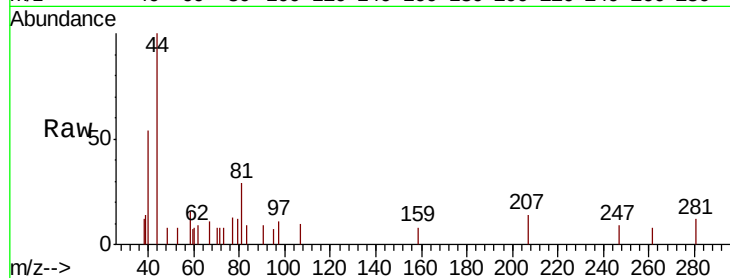
Tot Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

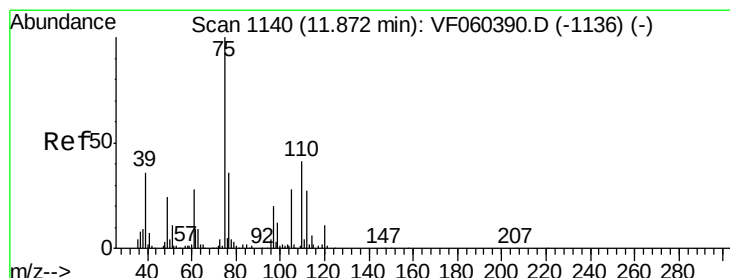
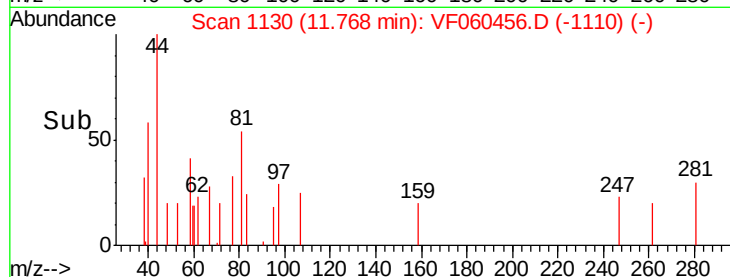
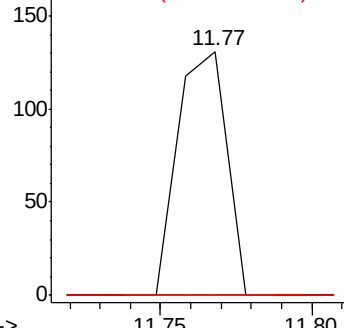
85 0.0 34.0 102.0#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 112.055 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VF060456.D

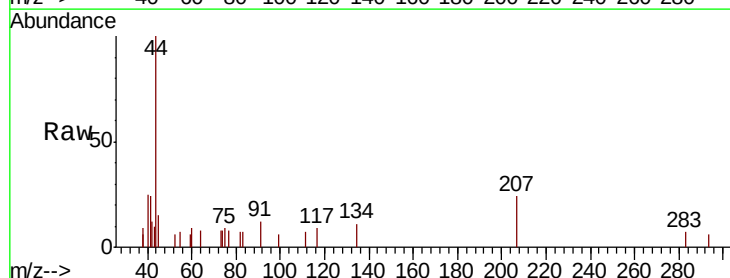
Acq: 5 Oct 2018 00:34

Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

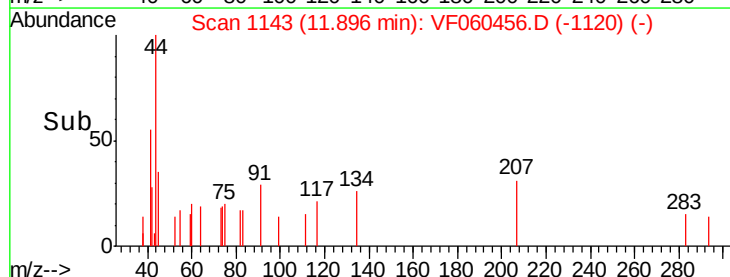
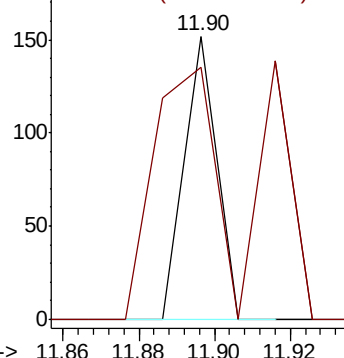
75 100

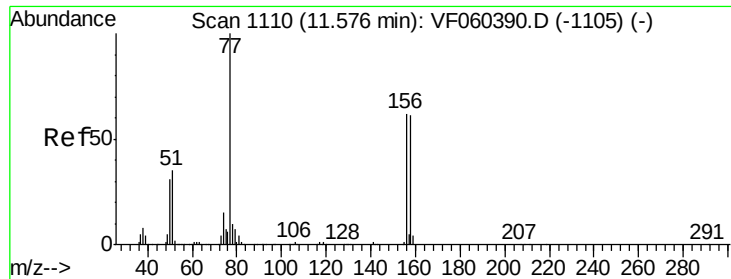
77 88.8 18.1 54.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.593 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

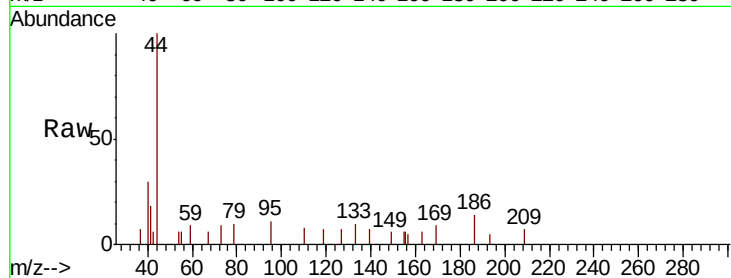
Tot Ion:156 Resp: 65

Ion Ratio Lower Upper

156 100

77 0.0 81.3 243.9#

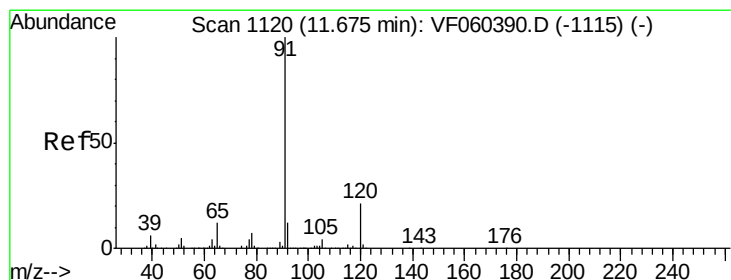
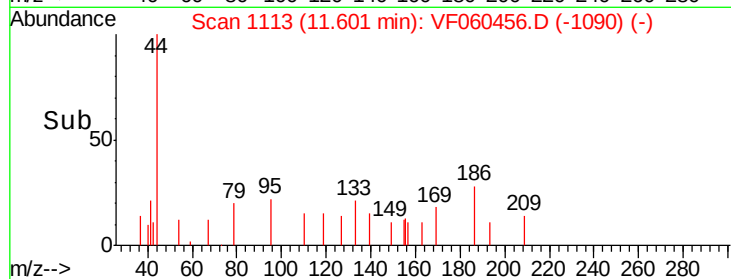
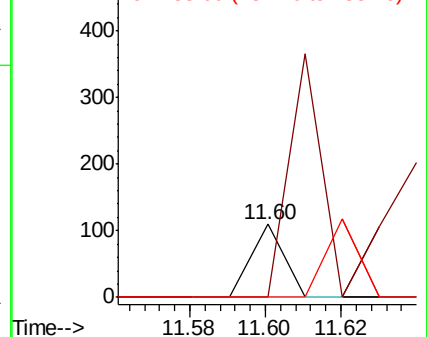
158 0.0 49.6 149.0#



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: 25.226 ug/l

RT: 11.65 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VF060456.D

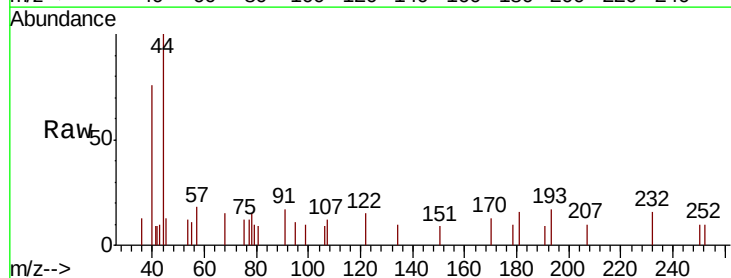
Acq: 5 Oct 2018 00:34

Tgt Ion: 91 Resp: 183

Ion Ratio Lower Upper

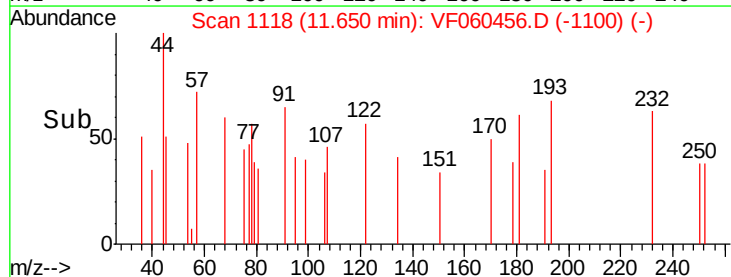
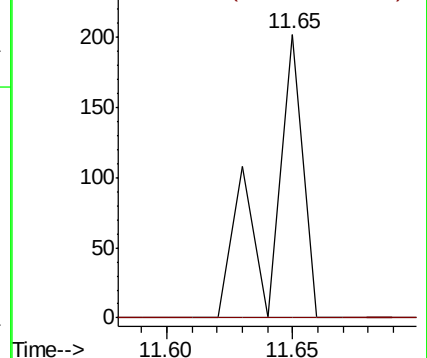
91 100

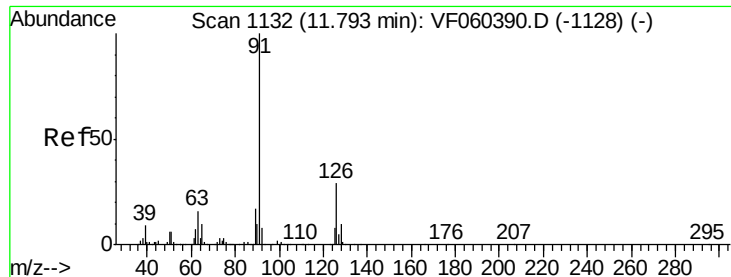
120 0.0 10.5 31.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 34.641 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

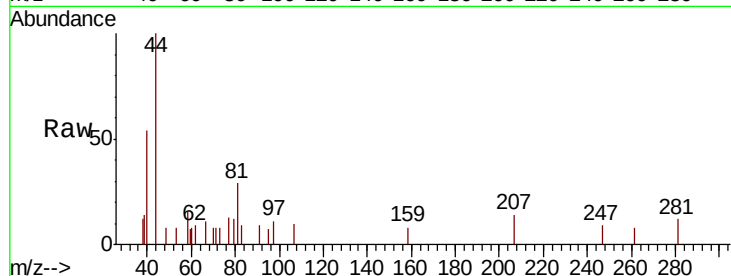
TR-05-100418

Tot Ion: 91 Resp: 147

Ion Ratio Lower Upper

91 100

126 0.0 14.4 43.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150

110

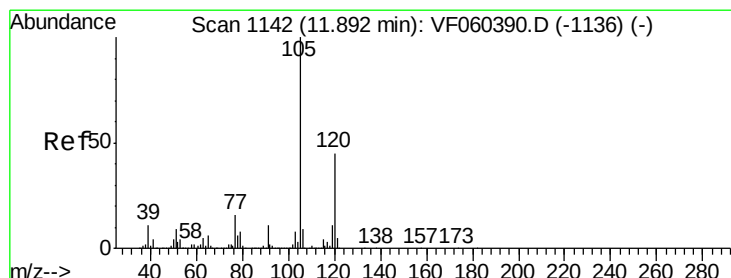
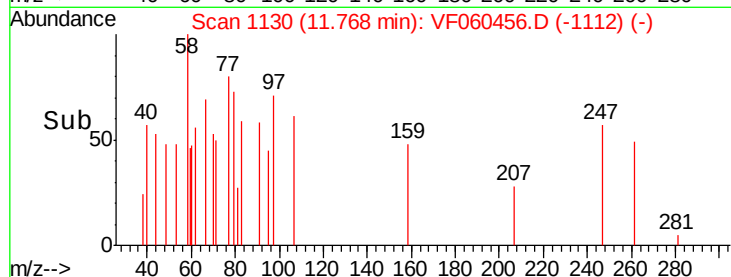
11.77

100

50

0

Time--> 11.70 11.75 11.80



#80

1,3,5-Trimethylbenzene

Concen: 12.588 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF060456.D

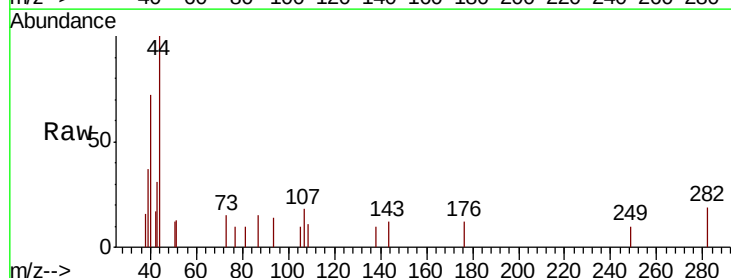
Acq: 5 Oct 2018 00:34

Tgt Ion: 105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 22.3 66.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150

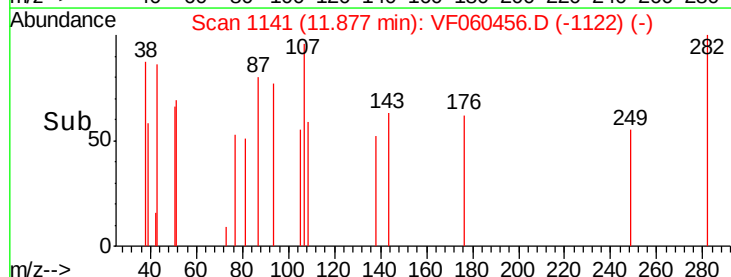
100

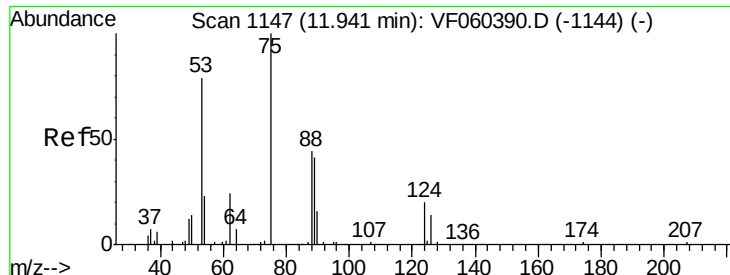
11.88

50

0

Time--> 11.86 11.88 11.90





#81

trans-1,4-Dichloro-2-butene

Concen: 435.354 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

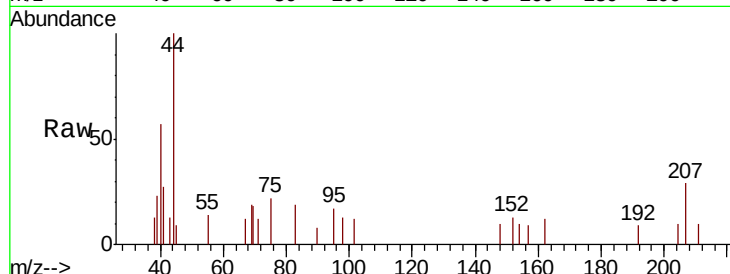
Tot Ion: 75 Resp: 155

Ion Ratio Lower Upper

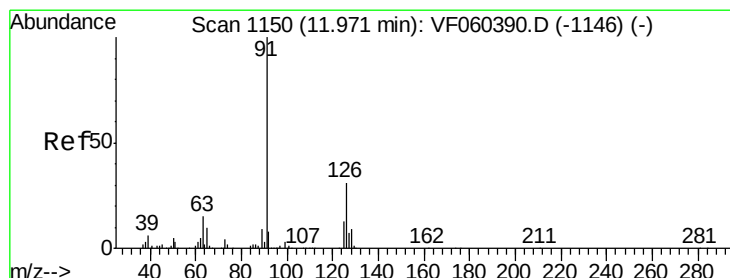
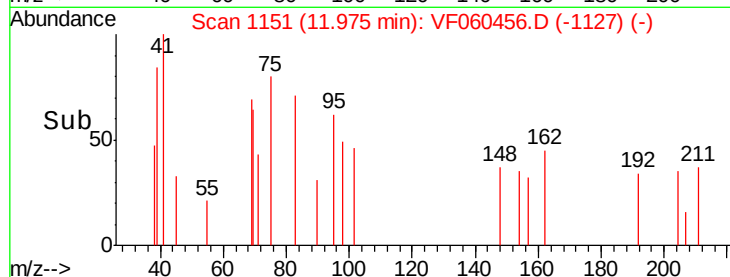
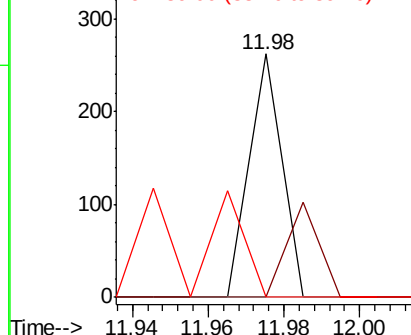
75 100

53 0.0 67.8 101.8#

89 0.0 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: 17.043 ug/l

RT: 12.00 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VF060456.D

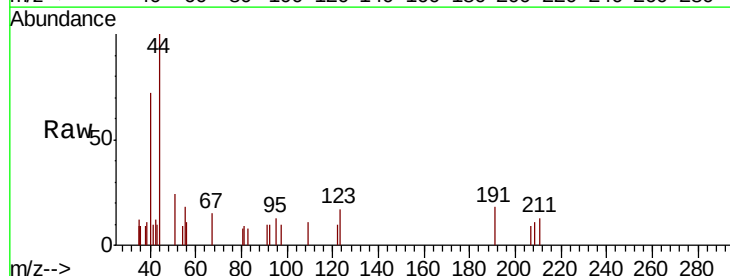
Acq: 5 Oct 2018 00:34

Tgt Ion: 91 Resp: 74

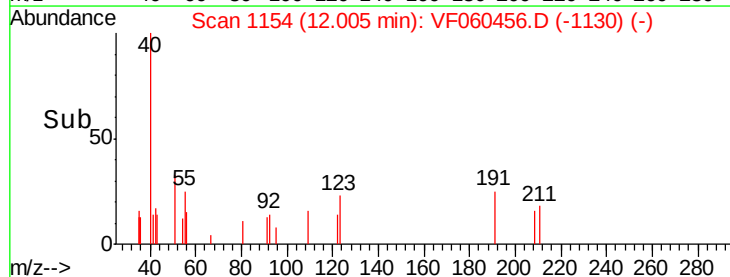
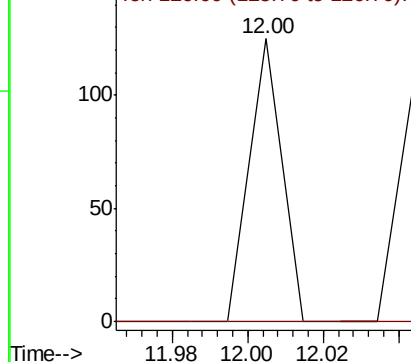
Ion Ratio Lower Upper

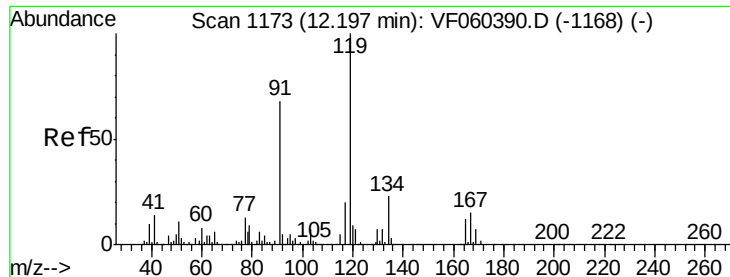
91 100

126 0.0 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: 13.162 ug/l

RT: 12.19 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

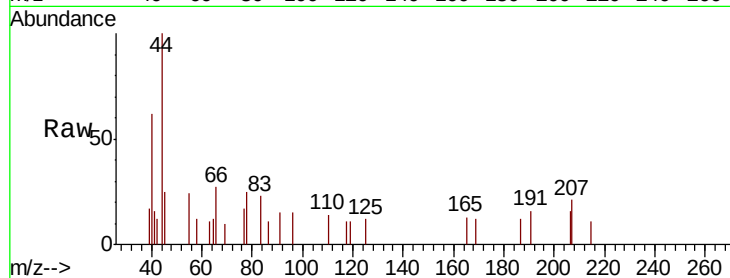
Tot Ion:119 Resp: 66

Ion Ratio Lower Upper

119 100

91 138.4 34.0 102.0#

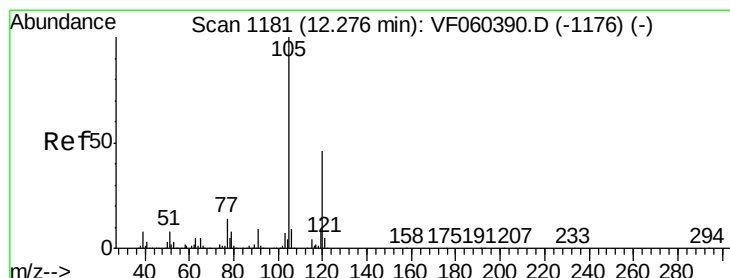
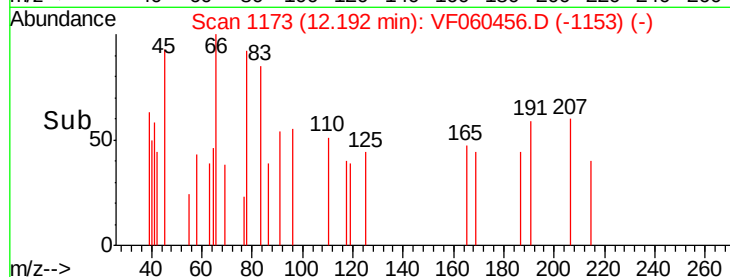
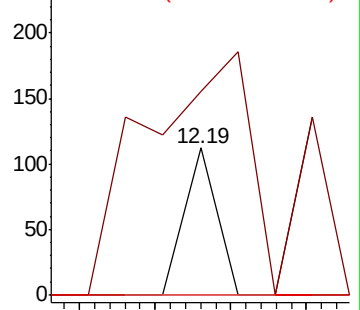
134 0.0 11.7 35.0#



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: 17.850 ug/l

RT: 12.25 min Scan# 1179

Delta R.T. -0.03 min

Lab File: VF060456.D

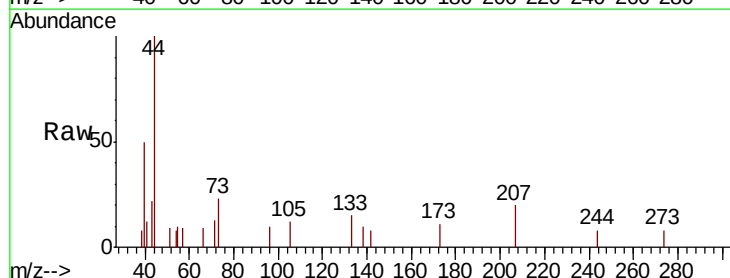
Acq: 5 Oct 2018 00:34

Tgt Ion:105 Resp: 90

Ion Ratio Lower Upper

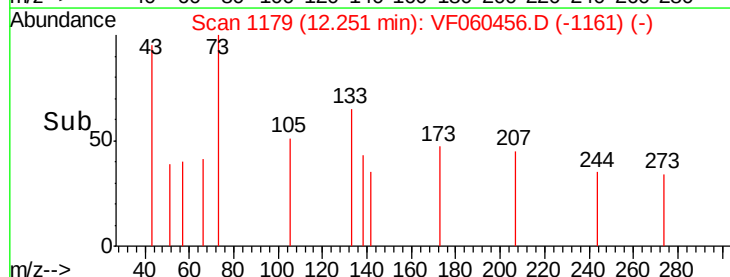
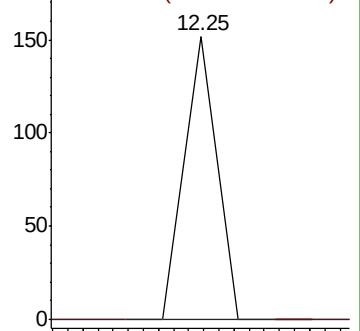
105 100

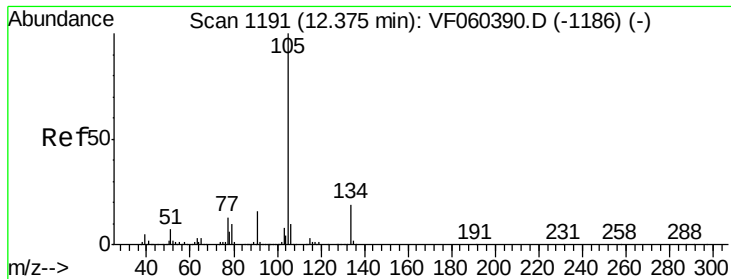
120 0.0 23.1 69.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.827 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

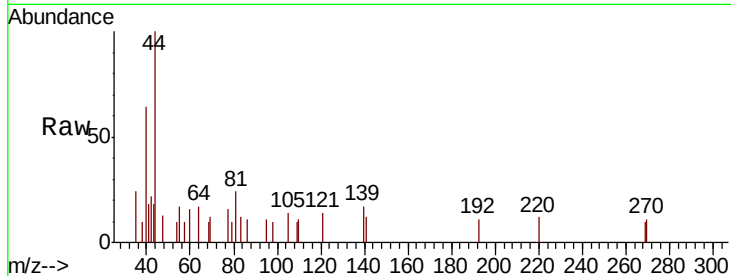
TR-05-100418

Tot Ion:105 Resp: 158

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.3#

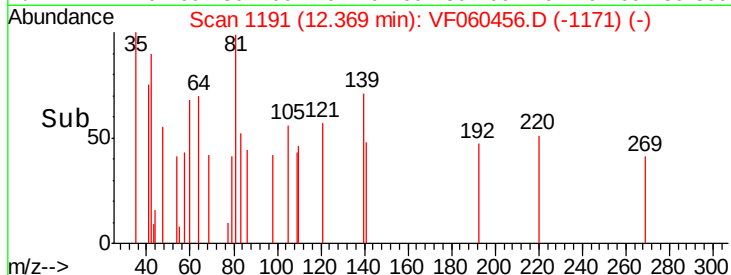


Abundance Ion 105.00 (104.70 to 105.70): V

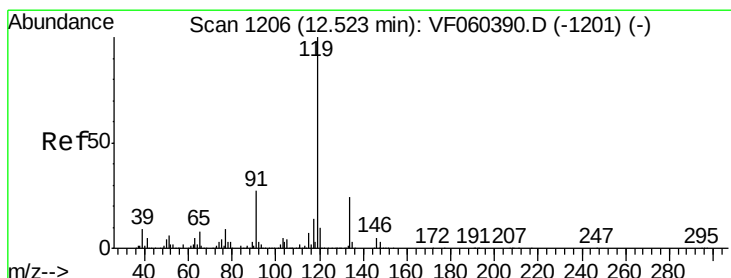
Ion 134.00 (133.70 to 134.70): V

12.37

12.35 12.40



Time-->



#86

p-Isopropyltoluene

Concen: 11.671 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.02 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

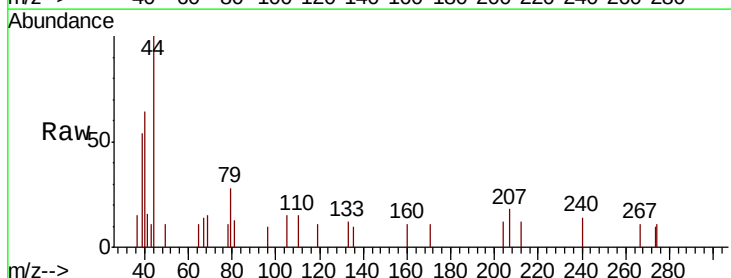
Tgt Ion:119 Resp: 66

Ion Ratio Lower Upper

119 100

134 0.0 12.3 36.8#

91 0.0 13.5 40.4#



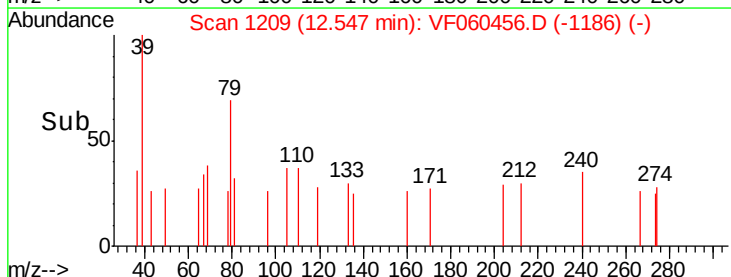
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

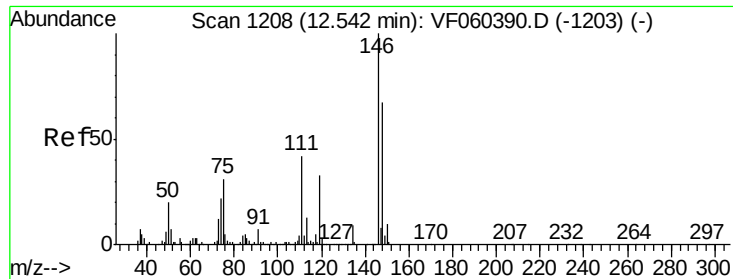
Ion 91.00 (90.70 to 91.70): VF0

12.55

12.52 12.54 12.56



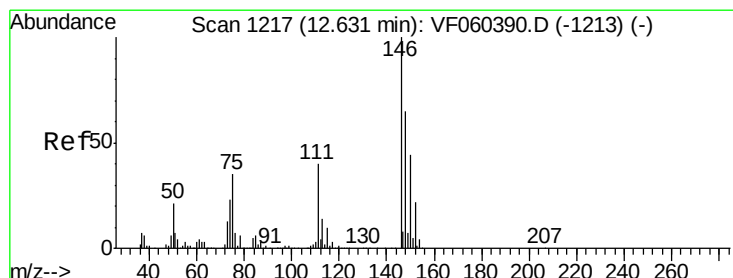
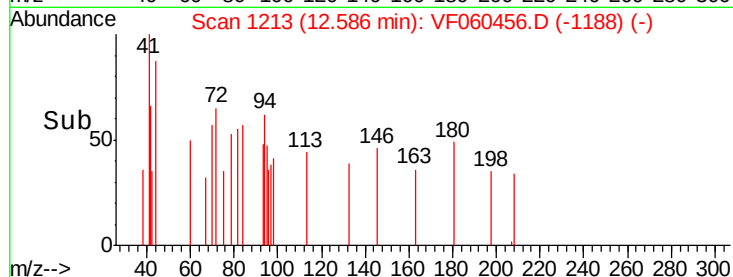
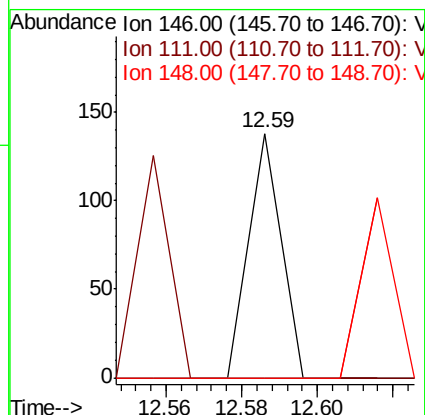
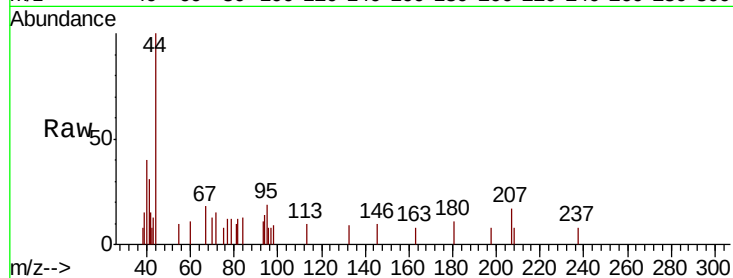
Time-->



#87
 1,3-Dichlorobenzene
 Concen: 32.577 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.04 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

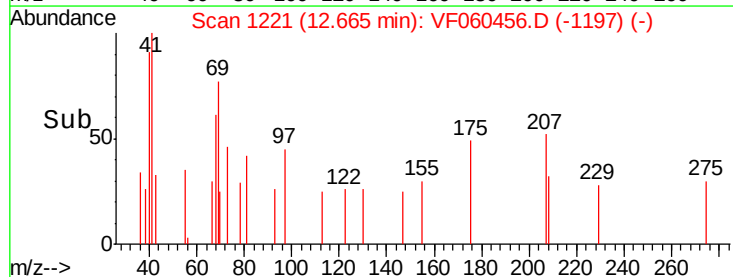
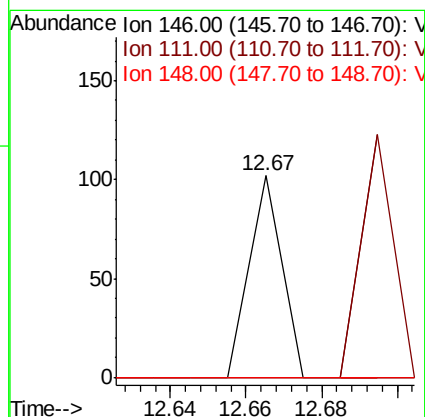
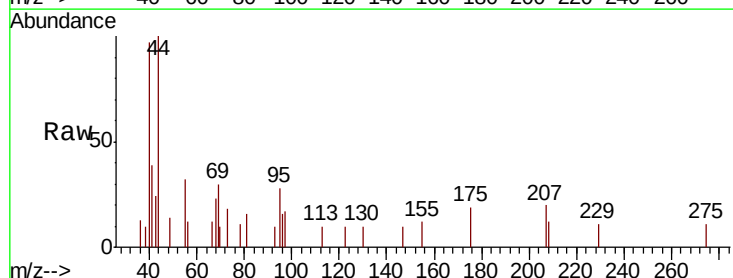
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-100418

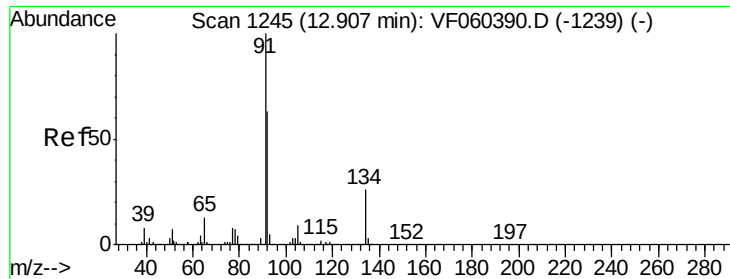
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.9	62.7#
148	0.0	33.6	100.8#



#88
 1,4-Dichlorobenzene
 Concen: 24.174 ug/l
 RT: 12.67 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.2	60.6#
148	0.0	32.6	97.8#





#89

n-Butylbenzene

Concen: 11.531 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

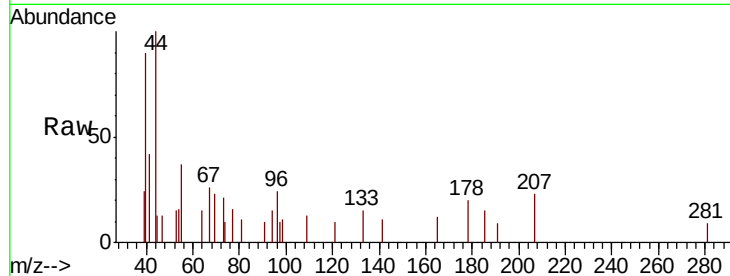
Tot Ion: 91 Resp: 69

Ion Ratio Lower Upper

91 100

92 0.0 31.3 93.9#

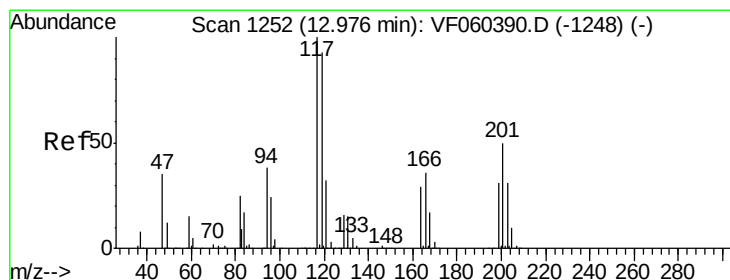
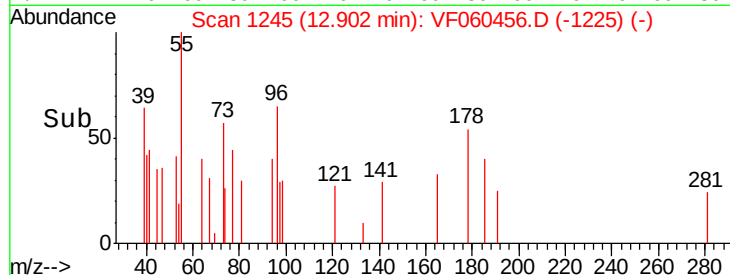
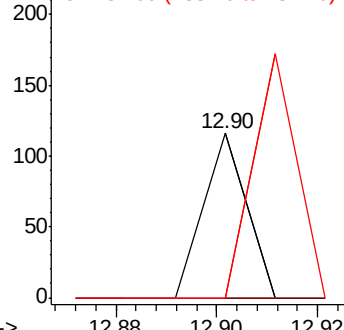
134 0.0 13.0 38.9#



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: 46.526 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VF060456.D

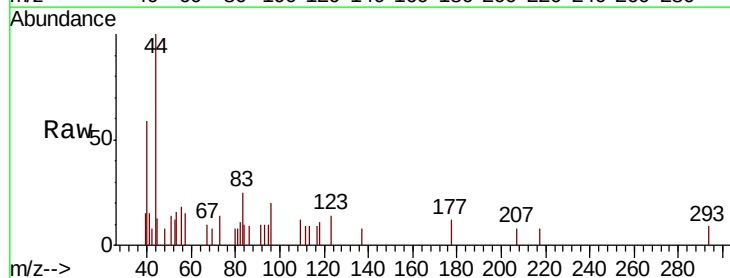
Acq: 5 Oct 2018 00:34

Tgt Ion: 117 Resp: 68

Ion Ratio Lower Upper

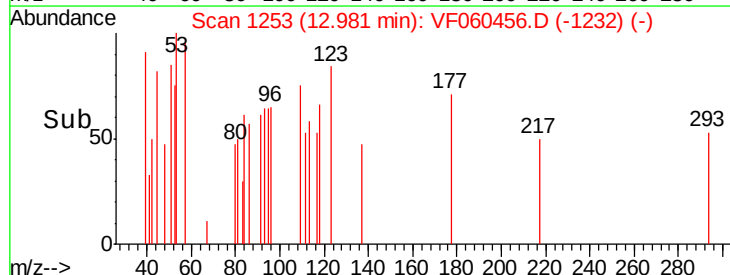
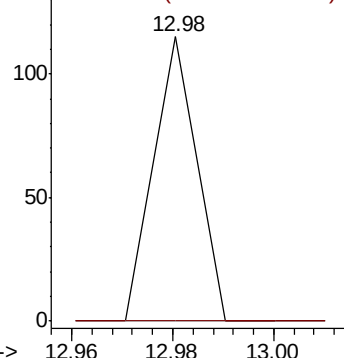
117 100

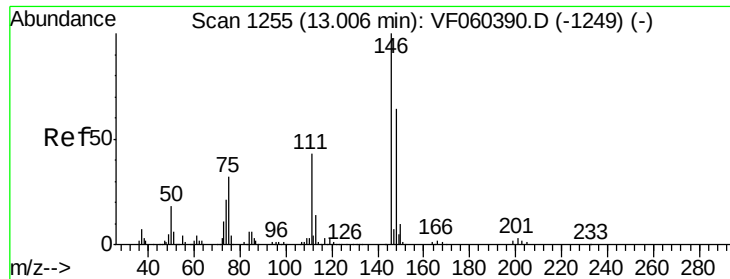
201 0.0 25.5 76.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

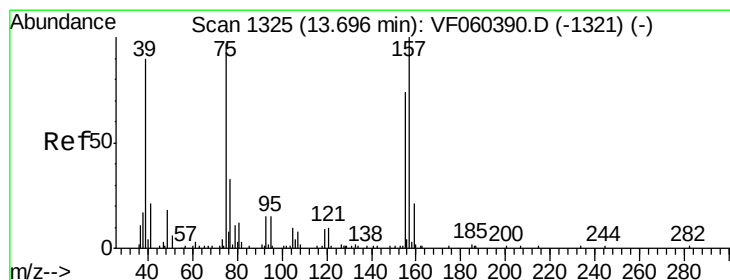
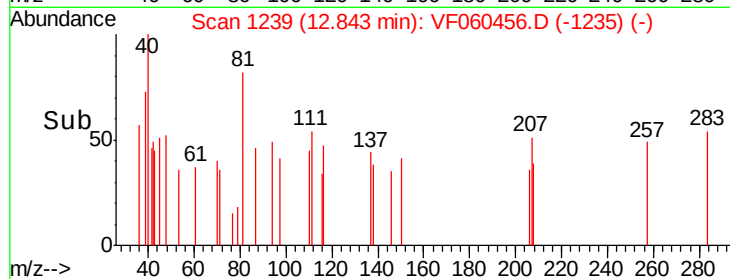
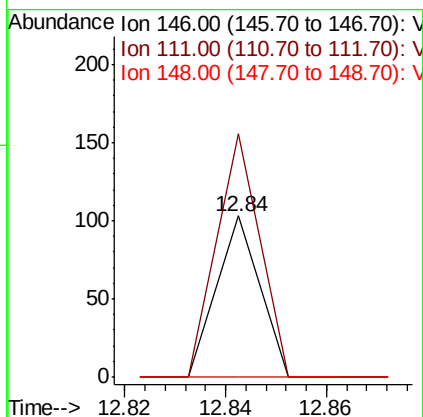
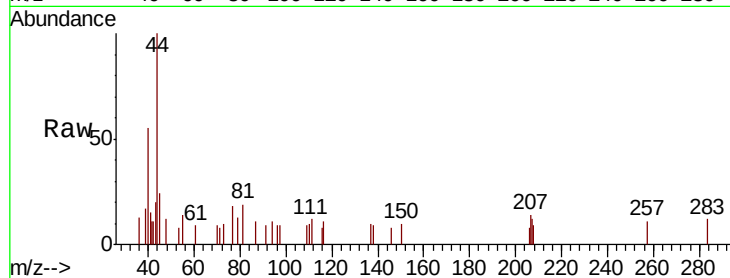




#91
 1,2-Dichlorobenzene
 Concen: 25.293 ug/l
 RT: 12.84 min Scan# 1239
 Delta R.T. -0.16 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

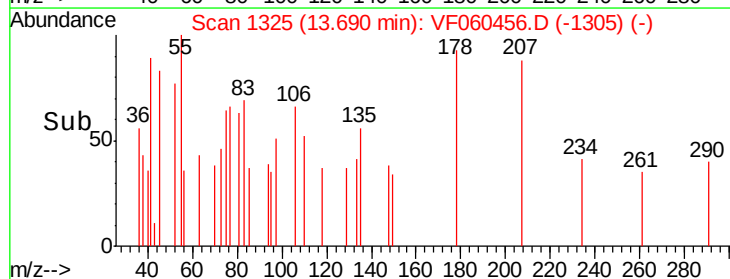
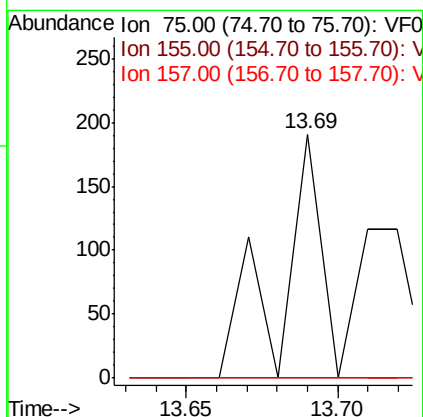
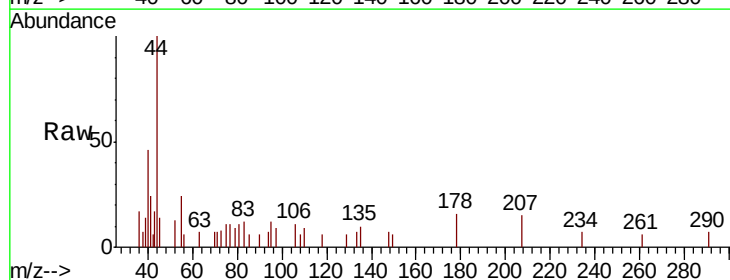
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-100418

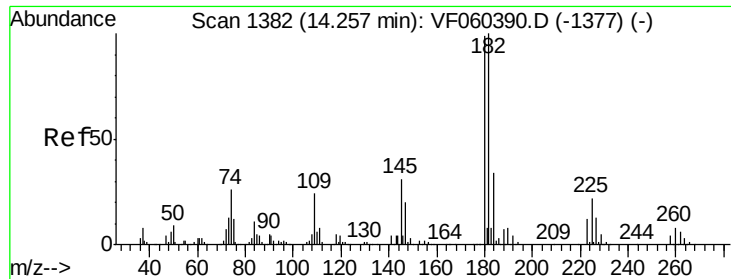
Tot Ion:146 Resp: 61
 Ion Ratio Lower Upper
 146 100
 111 151.5 21.3 64.0#
 148 0.0 32.2 96.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 841.609 ug/l
 RT: 13.69 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VF060456.D
 Acq: 5 Oct 2018 00:34

Tgt Ion: 75 Resp: 178
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.9 113.6#
 157 0.0 51.3 154.0#





#93

1,2,4-Trichlorobenzene

Concen: 33.284 ug/l

RT: 14.32 min Scan# 1389

Delta R.T. 0.06 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

Instrument :

MSVOA_F

ClientSampleId :

TR-05-100418

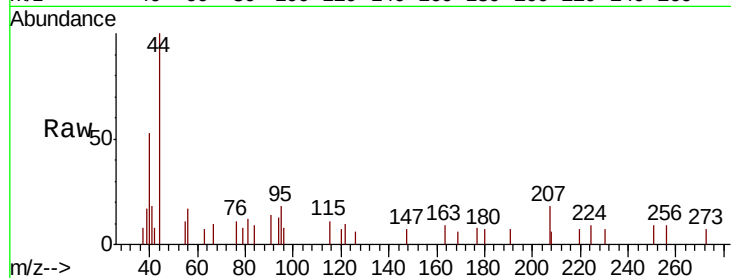
Tot Ion:180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 50.3 150.9#

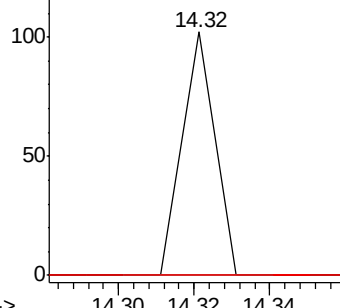
145 0.0 15.5 46.5#



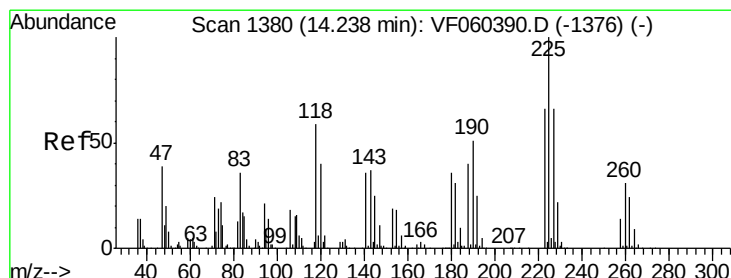
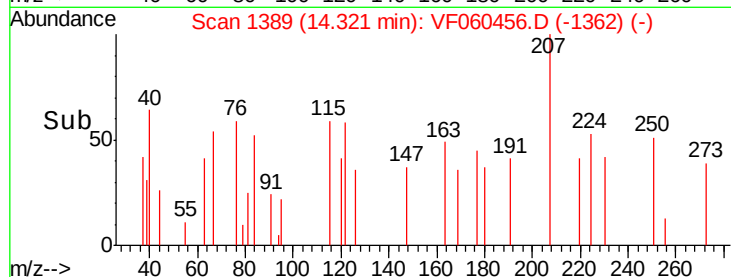
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->



#94

Hexachlorobutadiene

Concen: 70.740 ug/l

RT: 14.20 min Scan# 1377

Delta R.T. -0.03 min

Lab File: VF060456.D

Acq: 5 Oct 2018 00:34

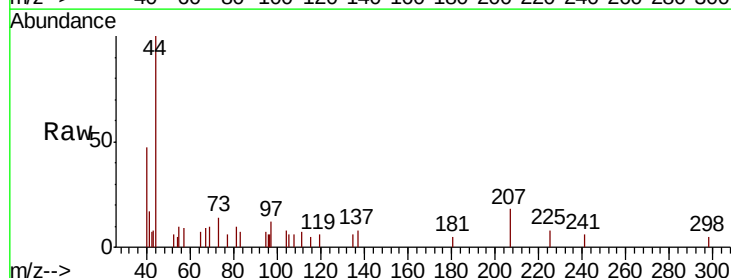
Tgt Ion:225 Resp: 89

Ion Ratio Lower Upper

225 100

223 0.0 32.8 98.4#

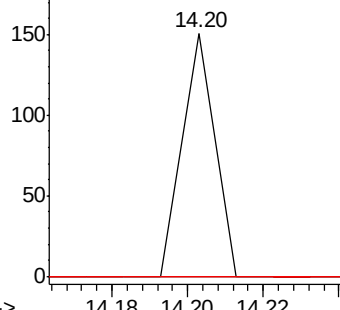
227 0.0 33.0 99.0#



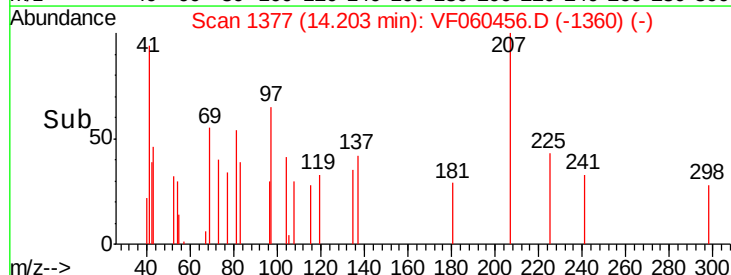
Abundance Ion 225.00 (224.70 to 225.70): V

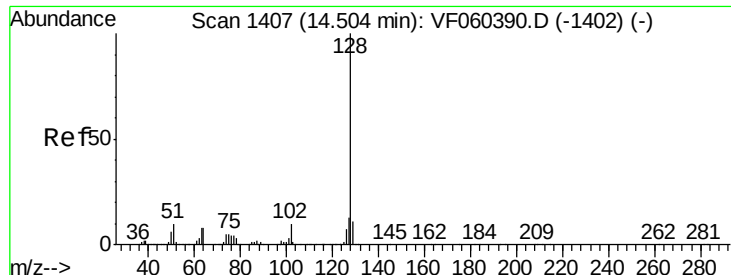
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time-->

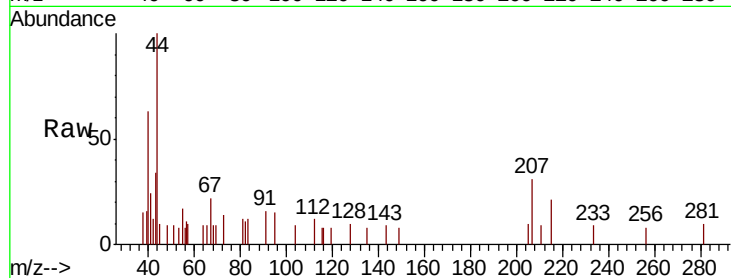




#95
Naphthalene
Concen: 25.752 ug/l
RT: 14.49 min Scan# 1406
Delta R.T. -0.02 min
Lab File: VF060456.D
Acq: 5 Oct 2018 00:34

Instrument :
MSVOA_F
ClientSampleId :
TR-05-100418

Tot Ion	Ratio	Lower	Upper
128	100		
127	100.0	10.0	15.0#
129	0.0	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

