

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060411.D
 Acq On : 2 Oct 2018 19:23
 Operator : VA/AP
 Sample : J4780-03
 Misc : 7.12/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

Quant Time: Oct 03 02:36:09 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	4.97	168	77	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.66	114	99	50.00	ug/l	-0.08
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.89
72) 1,4-Dichlorobenzene-d4	12.62	152	64	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	181	150.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.44%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.51	98	207	90.37	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	180.74%	
62) 4-Bromofluorobenzene	11.47	95	153	146.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	292.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	102	63.123	ug/l #	43
3) Chloromethane	1.10	50	174	166.413	ug/l #	41
4) Vinyl Chloride	1.12	62	147	135.149	ug/l #	42
5) Bromomethane	1.31	94	89	105.638	ug/l #	3
6) Chloroethane	1.39	64	87	160.284	ug/l #	42
7) Trichlorofluoromethane	1.56	101	72	28.531	ug/l #	18
8) Diethyl Ether	1.64	74	67	193.729	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.79	101	61	50.463	ug/l #	22
11) Tert butyl alcohol	2.60	59	64	878.163	ug/l #	77
12) 1,1-Dichloroethene	1.83	96	257	275.162	ug/l #	25
13) Acrolein	2.17	56	418	7131.863	ug/l	89
14) Allvl chloride	2.12	41	1079	720.976	ug/l #	56
15) Acrylonitrile	3.01	53	67	536.521	ug/l #	14
16) Acetone	2.30	43	1225	5426.768	ug/l #	66
17) Carbon Disulfide	1.86	76	156	55.158	ug/l #	68
18) Methyl Acetate	2.41	43	647	1479.619	ug/l #	57
19) Methyl tert-butyl Ether	2.54	73	249	109.455	ug/l #	57
20) Methylene Chloride	2.24	84	103	125.540	ug/l #	1
21) trans-1,2-Dichloroethene	2.38	96	114	122.211	ug/l #	1
22) Diisopropyl ether	2.89	45	166	61.108	ug/l #	80
23) Vinyl Acetate	3.29	43	304	281.722	ug/l #	81
24) 1,1-Dichloroethane	3.03	63	230	125.204	ug/l #	90
25) 2-Butanone	4.44	43	536	1718.053	ug/l #	60
26) 2,2-Dichloropropane	3.70	77	88	84.580	ug/l #	61
27) cis-1,2-Dichloroethene	3.57	96	121	116.016	ug/l	1
28) Bromochloromethane	3.83	49	211	311.657	ug/l #	10
29) Tetrahydrofuran	4.17	42	282	2439.667	ug/l #	34
30) Chloroform	4.01	83	90	39.705	ug/l #	15
31) Cyclohexane	3.78	56	141	106.891	ug/l #	19
32) 1,1,1-Trichloroethane	4.24	97	62	32.870	ug/l #	23
36) 1,1-Dichloropropene	4.38	75	61	49.976	ug/l #	45
37) Ethyl Acetate	4.21	43	406	868.610	ug/l #	1
38) Carbon Tetrachloride	4.05	117	61	41.057	ug/l #	13
39) Methylcyclohexane	5.53	83	71	59.335	ug/l #	10

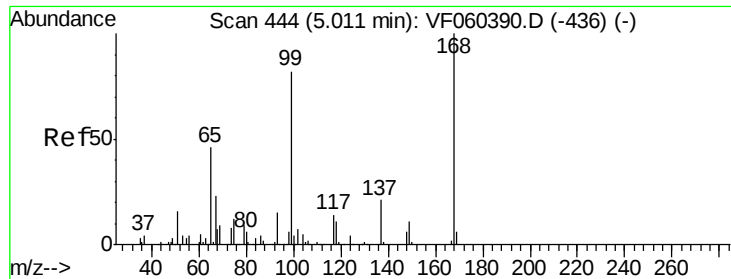
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.72	78	68	28.063	ug/l #	51
41) Methacrylonitrile	4.81	41	199	802.961	ug/l #	4
43) Isopropyl Acetate	6.97	43	231	408.952	ug/l #	44
44) Trichloroethene	5.47	130	68	87.461	ug/l	1
45) 1,2-Dichloropropane	6.34	63	69	106.927	ug/l #	46
46) Dibromomethane	6.20	93	61	117.574	ug/l #	9
47) Bromodichloromethane	6.42	83	243	189.113	ug/l #	23
48) Methyl methacrylate	6.77	41	821	2024.792	ug/l #	42
49) 1,4-Dioxane	7.04	88	90	25743.096	ug/l #	22
51) 4-Methyl-2-Pentanone	8.24	43	209	519.783	ug/l #	39
52) Toluene	7.50	92	151	91.747	ug/l #	1
53) t-1,3-Dichloropropene	8.24	75	90	89.374	ug/l #	44
54) cis-1,3-Dichloropropene	7.26	75	64	54.380	ug/l #	7
55) 1,1,2-Trichloroethane	8.50	97	75	143.766	ug/l #	6
56) Ethyl methacrylate	8.59	69	61	102.902	ug/l #	1
57) 1,3-Dichloropropane	8.83	76	63	71.384	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.65	63	92	1519.365	ug/l	100
59) 2-Hexanone	9.40	43	439	1488.497	ug/l	80
60) Dibromochloromethane	8.61	129	76	96.757	ug/l #	11
61) 1,2-Dibromoethane	9.00	107	76	133.139	ug/l #	4
73) Isopropylbenzene	11.21	105	71	14.090	ug/l #	51
74) N-amyl acetate	11.45	43	220	190.225	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.67	83	153	166.536	ug/l #	22
76) 1,2,3-Trichloropropane	11.94	75	137	202.556	ug/l #	1
77) Bromobenzene	11.54	156	68	60.367	ug/l #	29
78) n-propylbenzene	11.67	91	176	28.810	ug/l #	55
79) 2-Chlorotoluene	11.86	91	209	58.486	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.76	105	67	15.649	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.94	75	137	456.946	ug/l #	64
82) 4-Chlorotoluene	11.91	91	105	28.717	ug/l #	43
83) tert-Butylbenzene	12.32	119	105	24.865	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.23	105	85	20.019	ug/l #	30
85) sec-Butylbenzene	12.34	105	64	10.980	ug/l #	58
86) p-Isopropyltoluene	12.65	119	60	12.600	ug/l #	49
89) n-Butylbenzene	12.90	91	96	19.051	ug/l #	28
90) Hexachloroethane	12.98	117	316	256.750	ug/l #	27
91) 1,2-Dichlorobenzene	13.02	146	74	36.436	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.63	75	70	393.027	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.40	180	75	49.407	ug/l #	10
94) Hexachlorobutadiene	14.25	225	77	72.677	ug/l #	17
95) Naphthalene	14.51	128	117	43.108	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.97 min Scan# 440

Delta R.T. -0.04 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

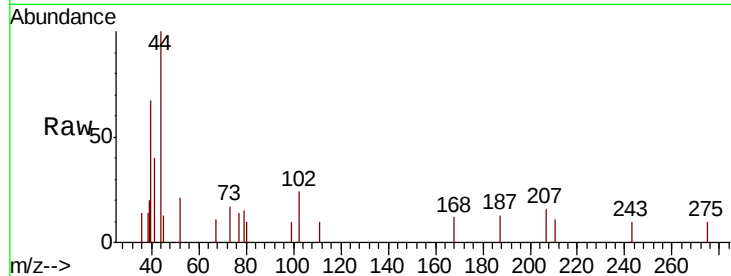
TR-04-092818

Tot Ion:168 Resp: 77

Ion Ratio Lower Upper

168 100

99 83.2 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.97

150

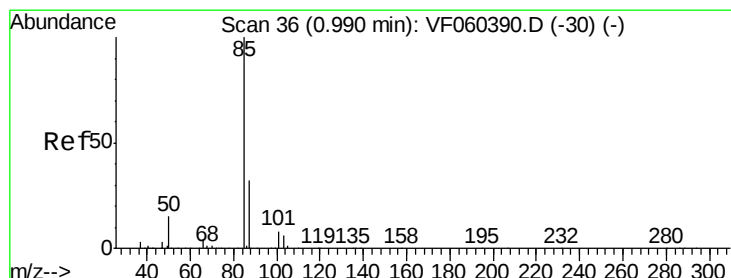
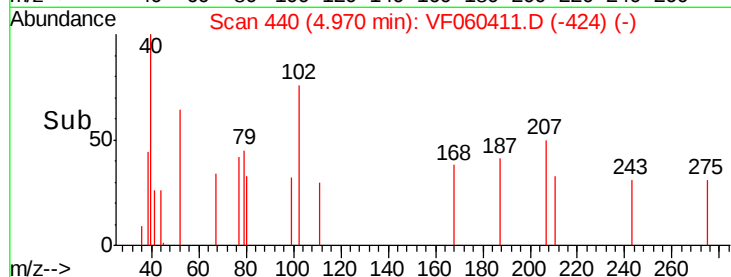
100

50

0

4.94 4.96 4.98 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 63.123 ug/l

RT: 0.95 min Scan# 32

Delta R.T. -0.04 min

Lab File: VF060411.D

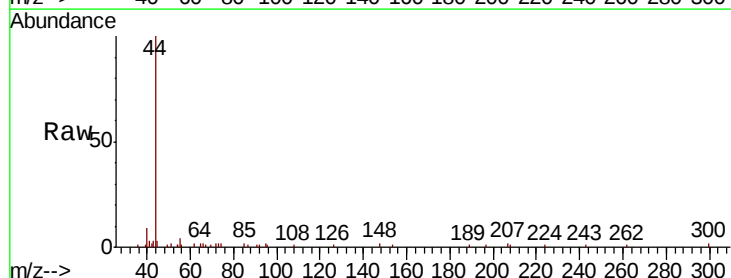
Acq: 2 Oct 2018 19:23

Tgt Ion: 85 Resp: 102

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200

150

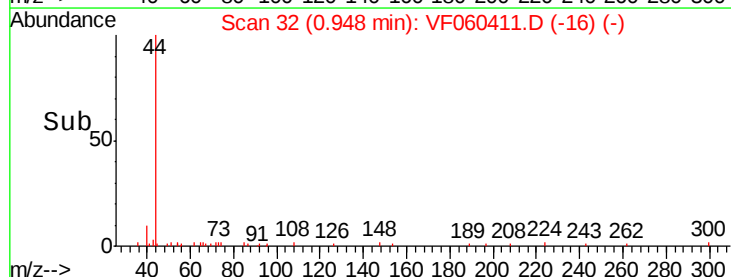
100

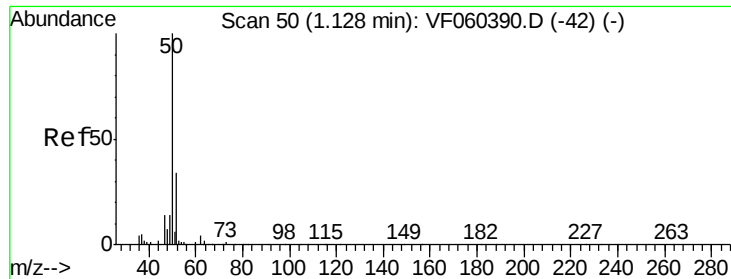
50

0

0.92 0.94 0.96 0.98

Time-->





#3

Chloromethane

Concen: 166.413 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

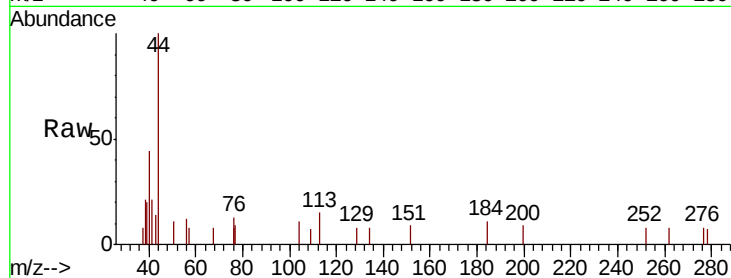
TR-04-092818

Tot Ion: 50 Resp: 174

Ion Ratio Lower Upper

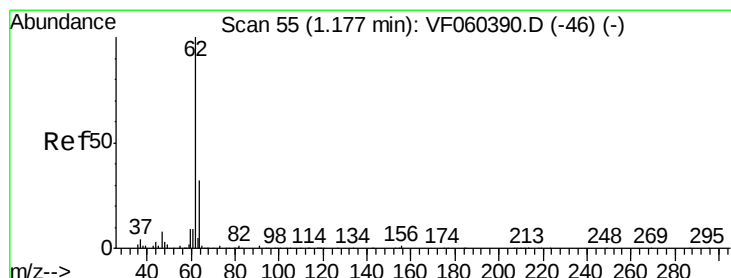
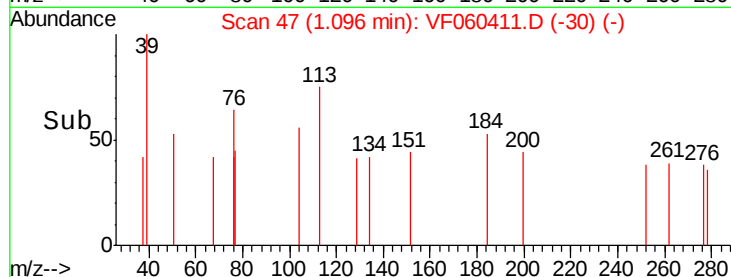
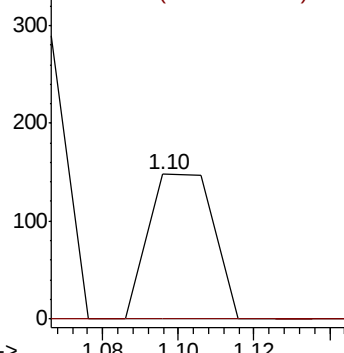
50 100

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



#4

Vinyl Chloride

Concen: 135.149 ug/l

RT: 1.12 min Scan# 49

Delta R.T. -0.06 min

Lab File: VF060411.D

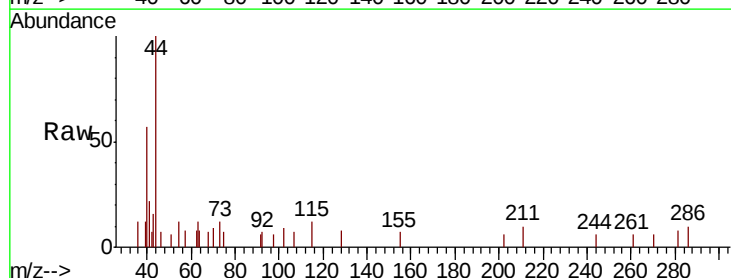
Acq: 2 Oct 2018 19:23

Tgt Ion: 62 Resp: 147

Ion Ratio Lower Upper

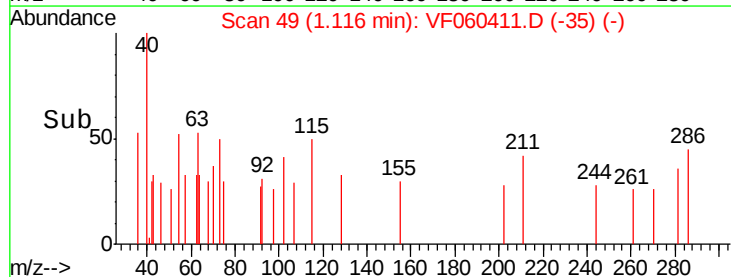
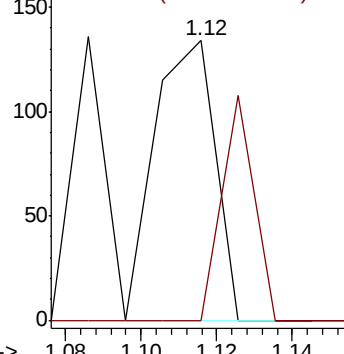
62 100

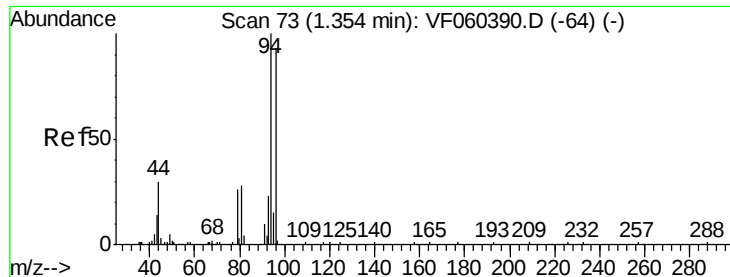
64 0.0 25.8 38.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 105.638 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.04 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

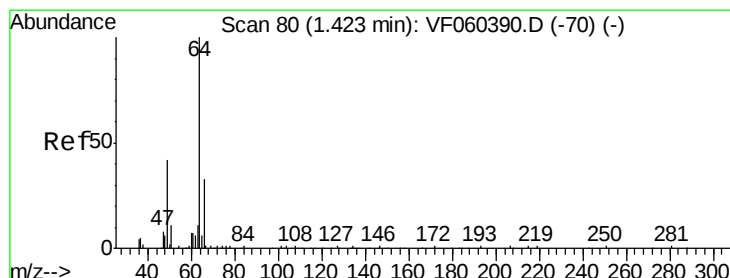
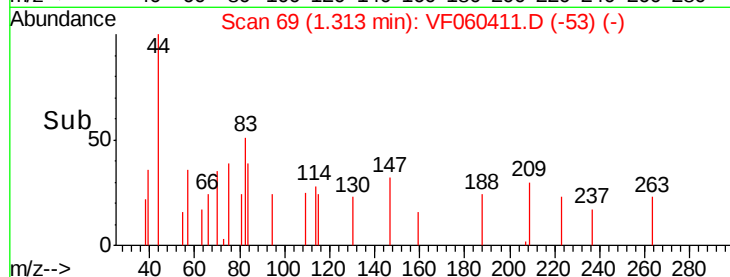
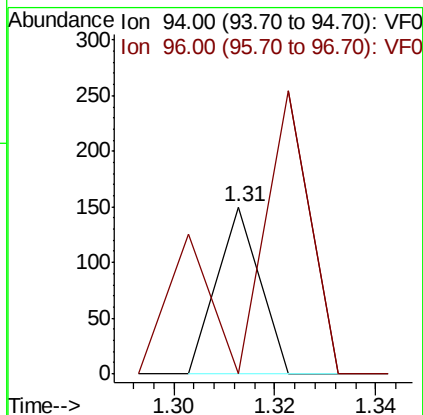
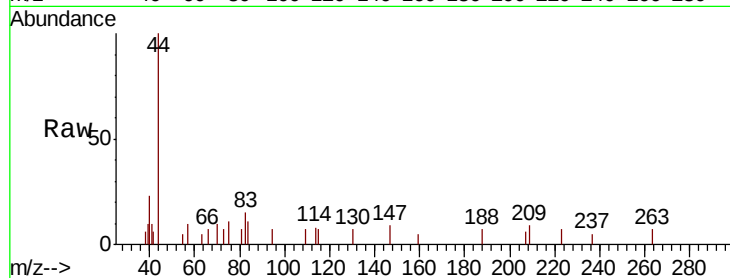
TR-04-092818

Tot Ion: 94 Resp: 89

Ion Ratio Lower Upper

94 100

96 0.0 74.3 111.5#



#6

Chloroethane

Concen: 160.284 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF060411.D

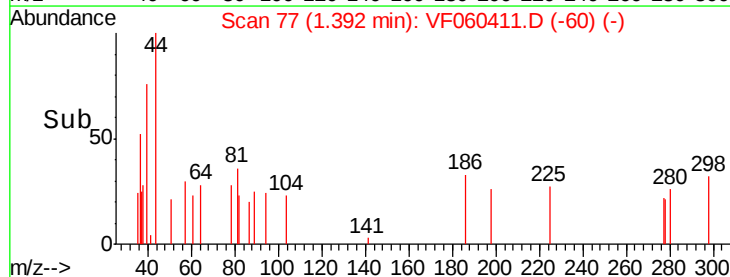
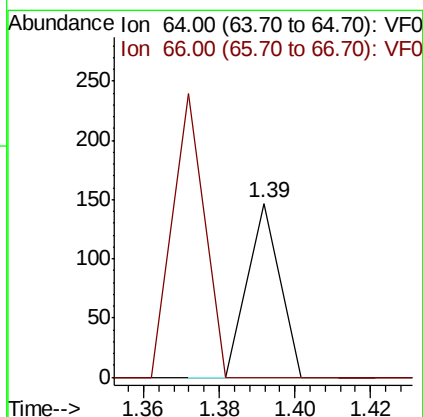
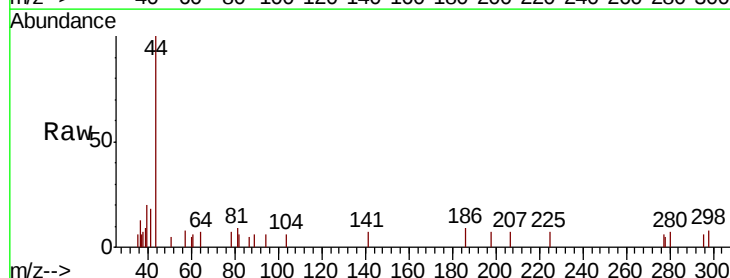
Acq: 2 Oct 2018 19:23

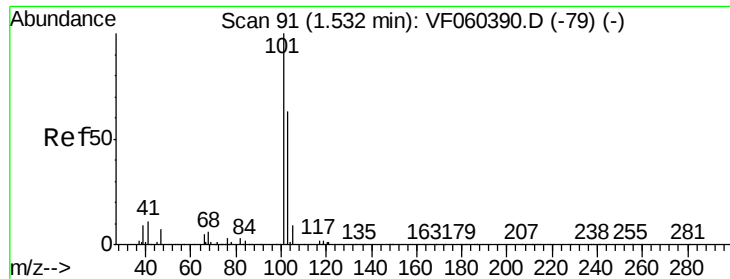
Tgt Ion: 64 Resp: 87

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#





#7

Trichlorofluoromethane

Concen: 28.531 ug/l

RT: 1.56 min Scan# 94

Delta R.T. 0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

Tot Ion:101 Resp: 72

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

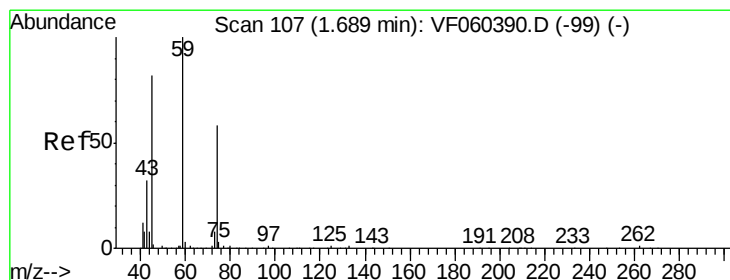
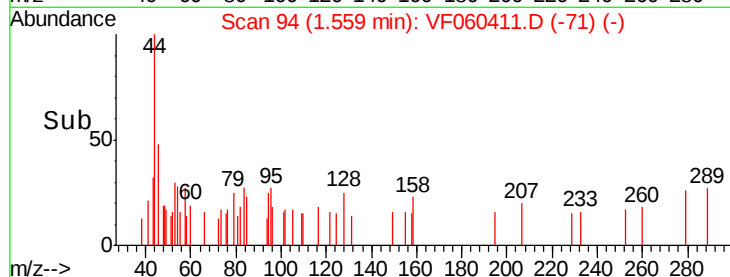
1.56

100

50

0

Time--> 1.52 1.54 1.56 1.58



#8

Diethyl Ether

Concen: 193.729 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.05 min

Lab File: VF060411.D

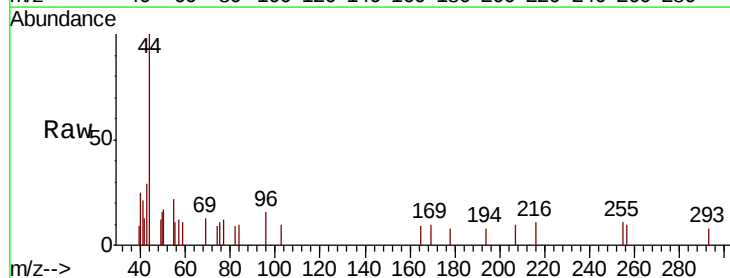
Acq: 2 Oct 2018 19:23

Tgt Ion: 74 Resp: 67

Ion Ratio Lower Upper

74 100

45 0.0 71.3 213.8#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

200

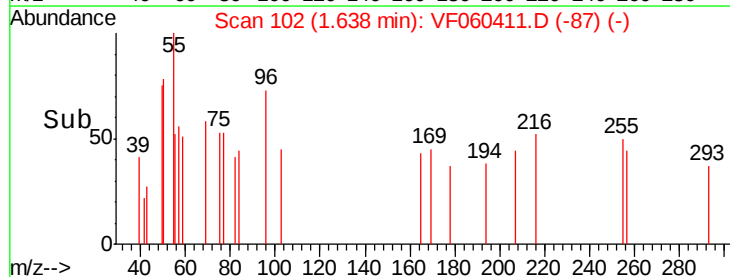
150

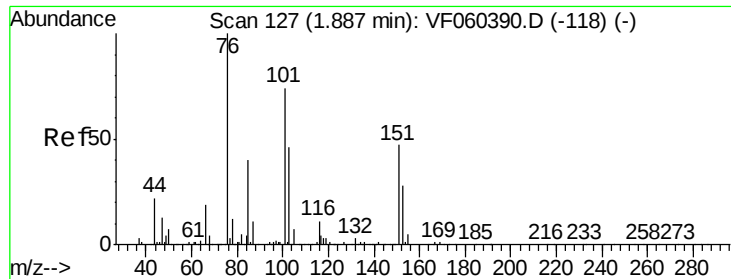
100

50

0

Time--> 1.62 1.64 1.66





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.463 ug/l

RT: 1.79 min Scan# 117

Delta R.T. -0.10 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

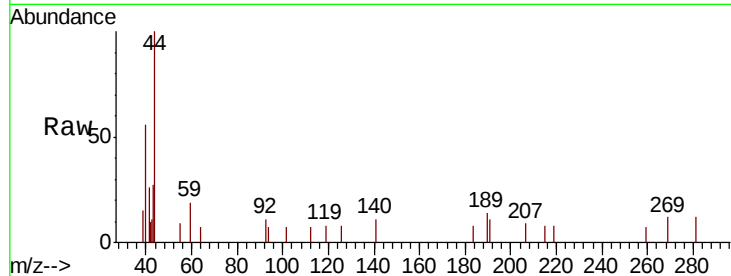
Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

Tot Ion:	101	Resp:	61
Ion	Ratio	Lower	Upper
101	100		
85	0.0	42.5	63.7#
151	0.0	49.8	74.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

1.79

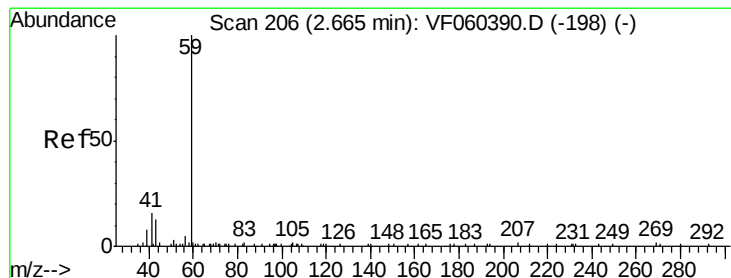
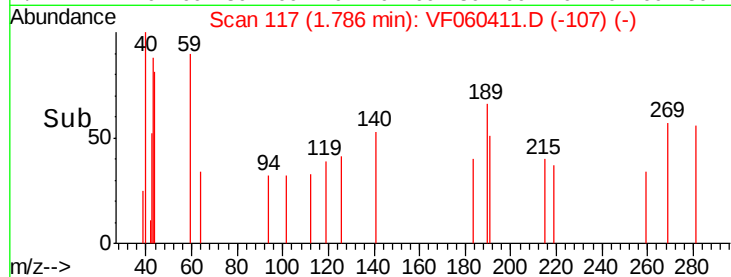
100

50

0

1.76 1.78 1.80

Time-->



#11

Tert butyl alcohol

Concen: 878.163 ug/l

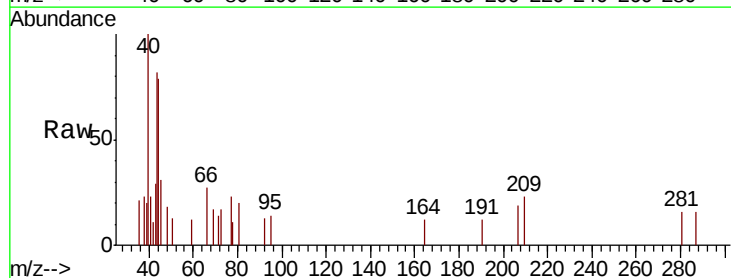
RT: 2.60 min Scan# 200

Delta R.T. -0.06 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Tgt Ion:	59	Resp:	64
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.5	9.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

200

150

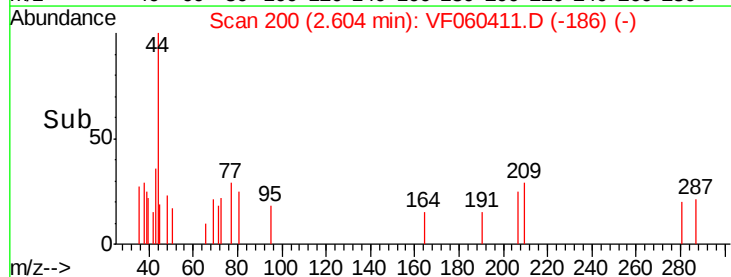
100

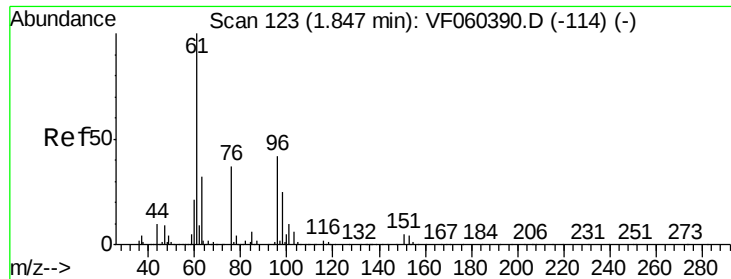
50

0

2.58 2.60 2.62

Time-->





#12

1,1-Dichloroethene

Concen: 275.162 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

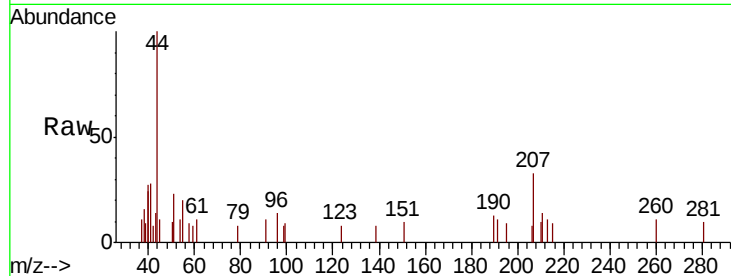
Tot Ion: 96 Resp: 257

Ion Ratio Lower Upper

96 100

61 80.0 189.4 284.0#

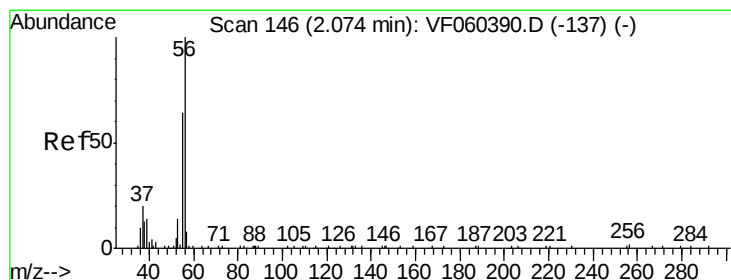
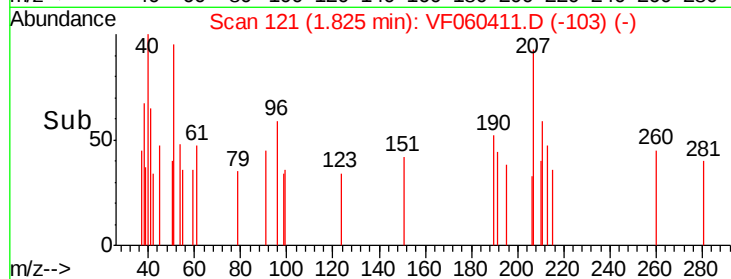
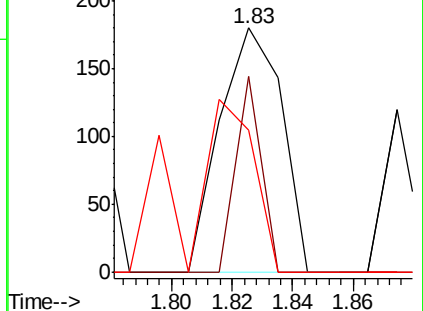
98 58.3 47.8 71.6



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: 7131.863 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.10 min

Lab File: VF060411.D

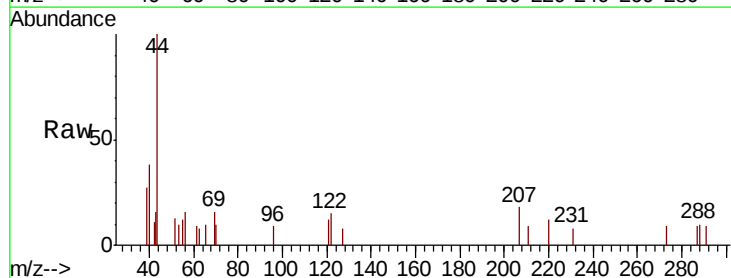
Acq: 2 Oct 2018 19:23

Tgt Ion: 56 Resp: 418

Ion Ratio Lower Upper

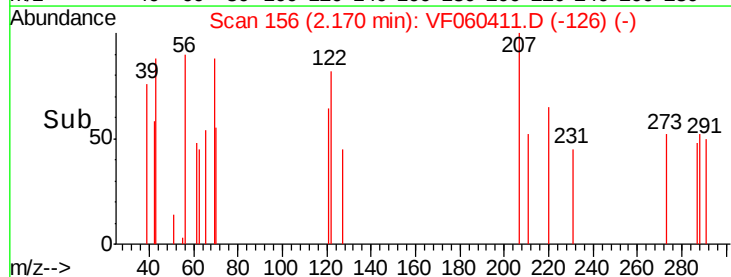
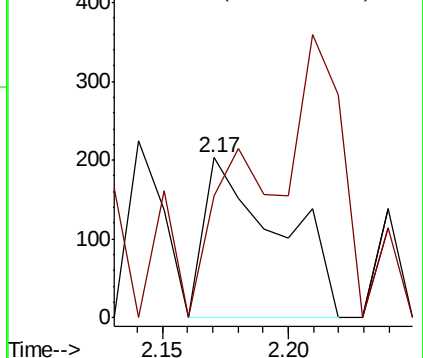
56 100

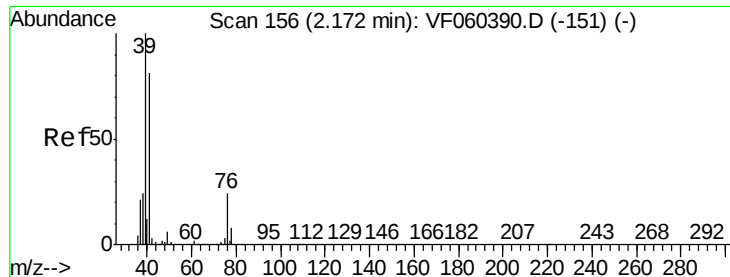
55 75.9 53.9 80.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 720.976 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.05 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

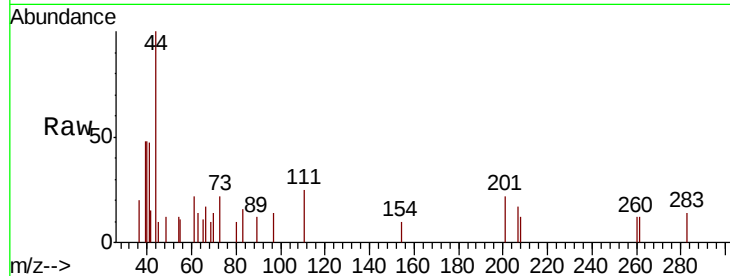
Tot Ion: 41 Resp: 1079

Ion Ratio Lower Upper

41 100

39 76.7 98.3 147.5#

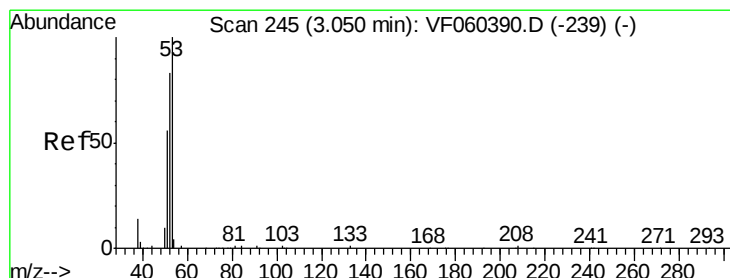
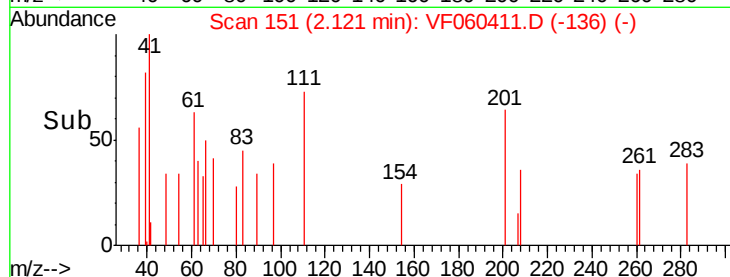
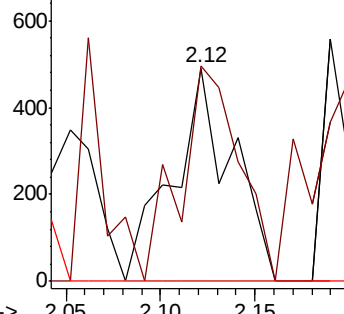
76 0.0 23.9 35.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 536.521 ug/l

RT: 3.01 min Scan# 241

Delta R.T. -0.04 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

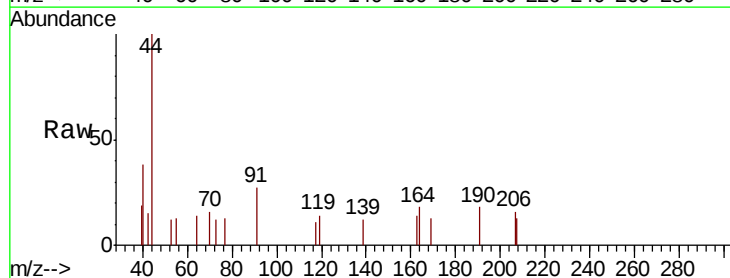
Tgt Ion: 53 Resp: 67

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

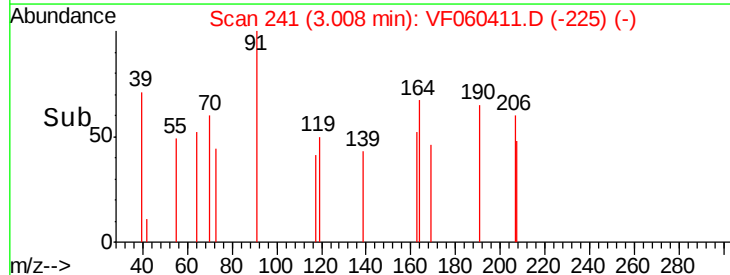
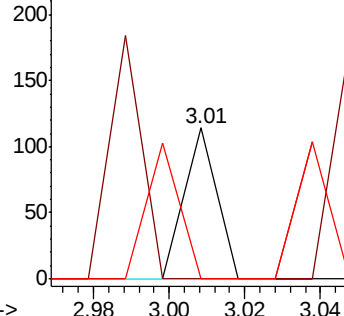
51 0.0 45.6 68.4#

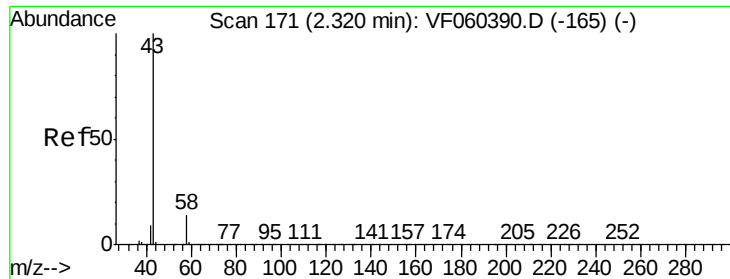


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

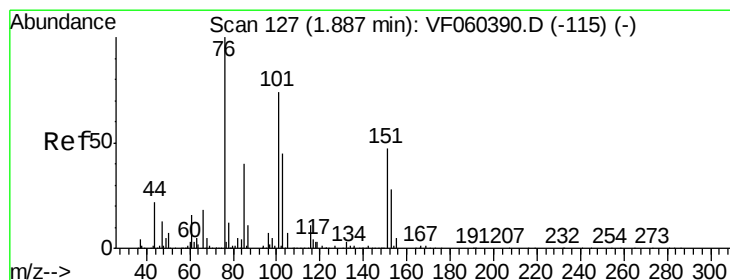
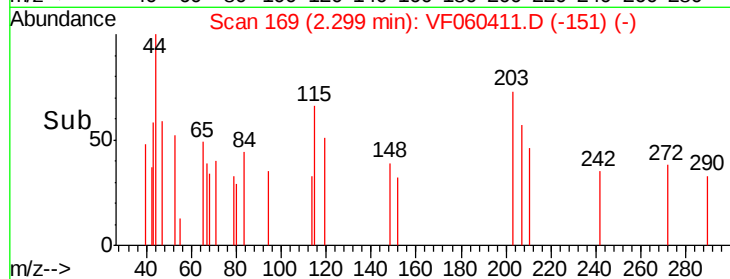
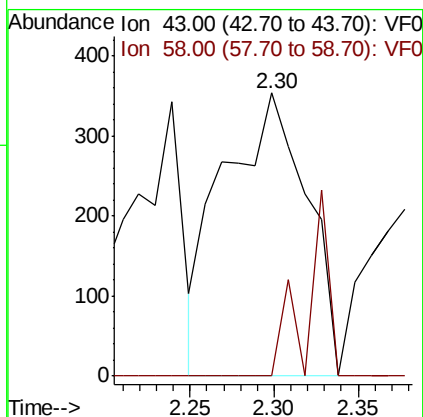
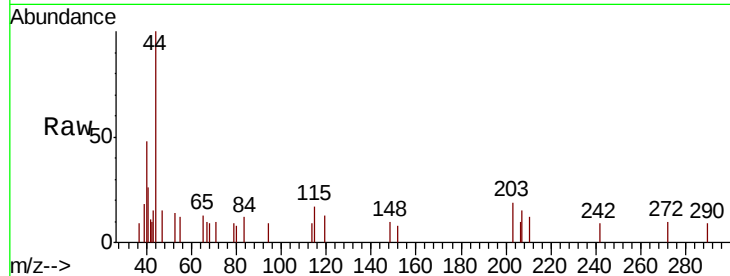




#16
Acetone
Concen: 5426.768 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

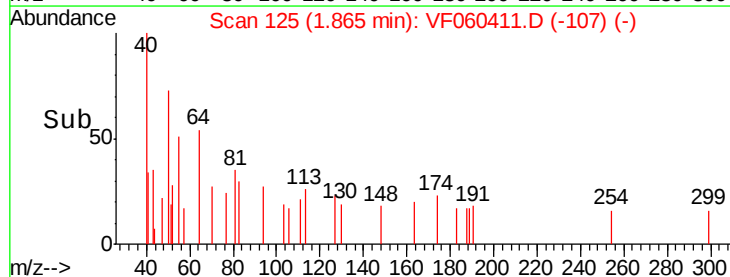
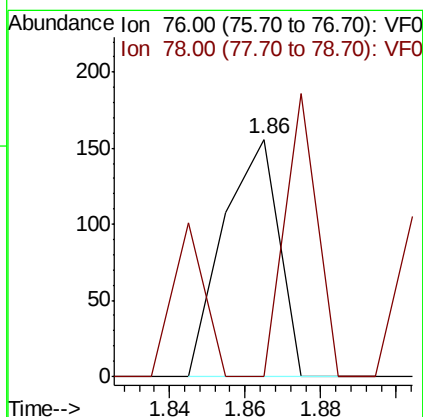
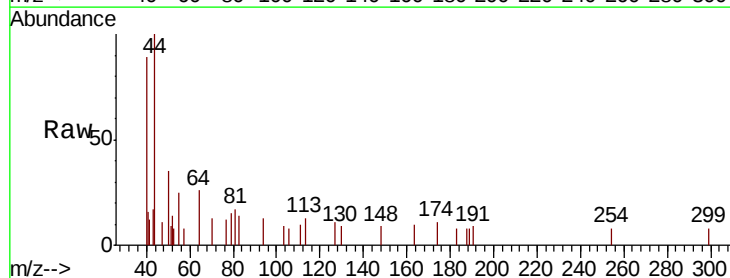
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

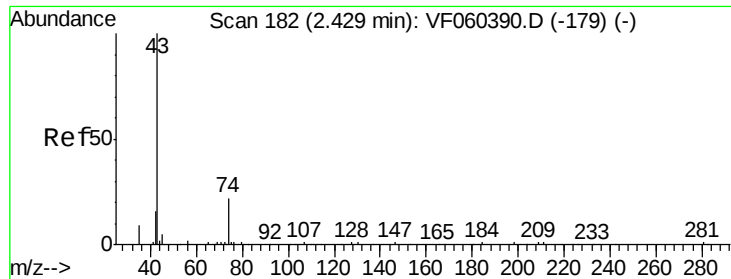
Tot Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
58 0.0 11.2 16.8#



#17
Carbon Disulfide
Concen: 55.158 ug/l
RT: 1.86 min Scan# 125
Delta R.T. -0.02 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Tgt Ion: 76 Resp: 156
Ion Ratio Lower Upper
76 100
78 0.0 10.1 15.1#

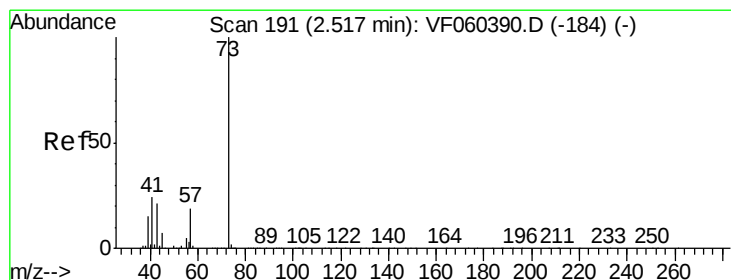
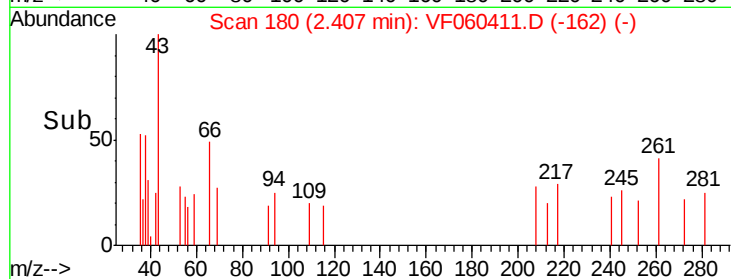
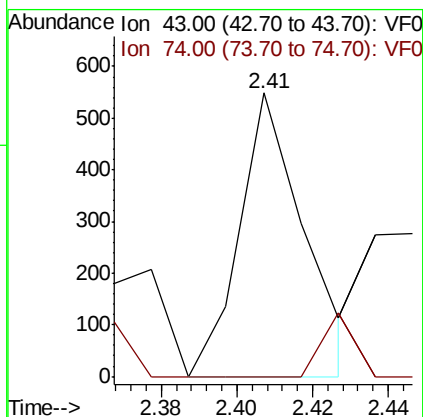
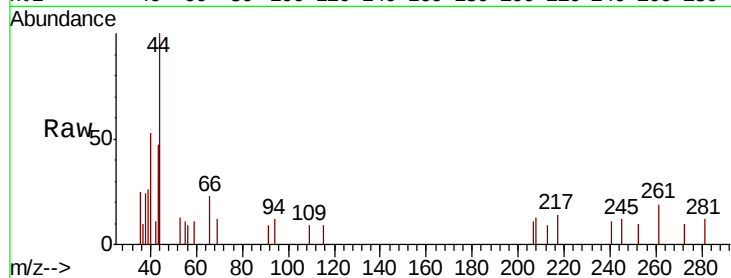




#18
Methyl Acetate
Concen: 1479.619 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.02 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

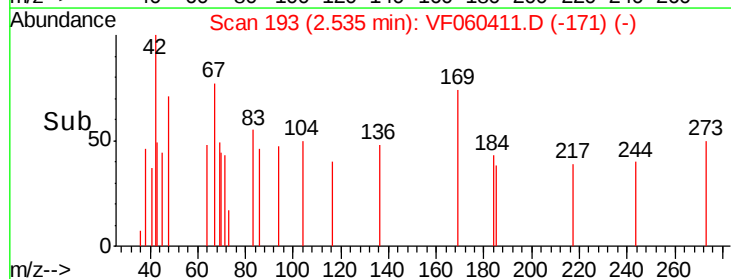
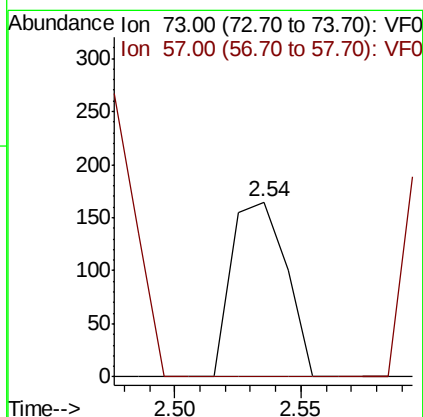
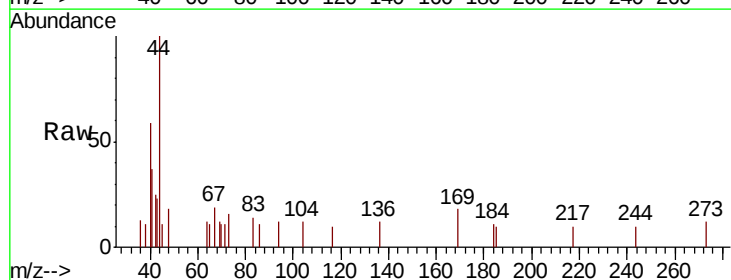
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

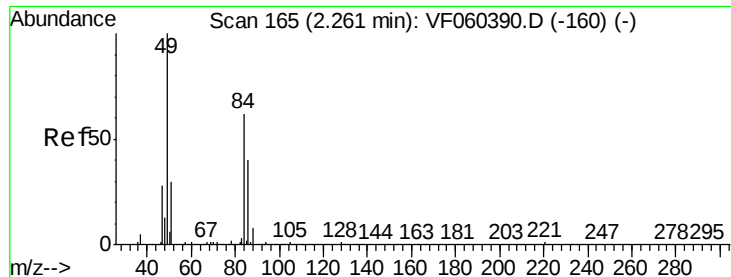
Tot Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#19
Methyl tert-butyl Ether
Concen: 109.455 ug/l
RT: 2.54 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Tgt Ion: 73 Resp: 249
Ion Ratio Lower Upper
73 100
57 0.0 15.9 23.9#

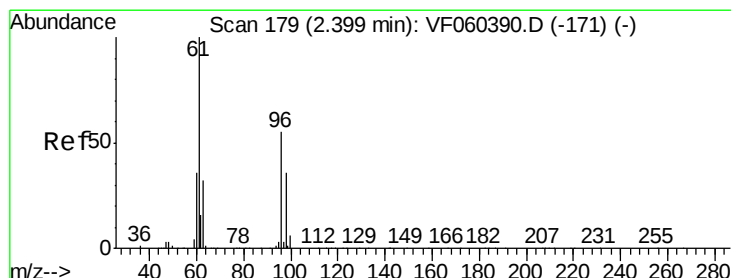
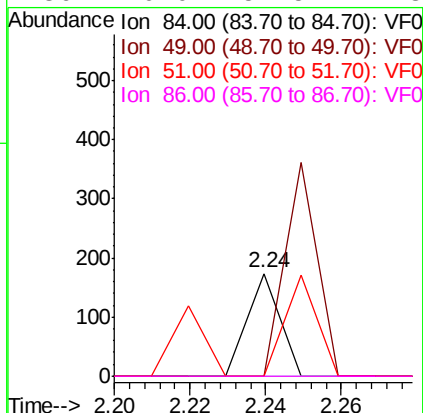
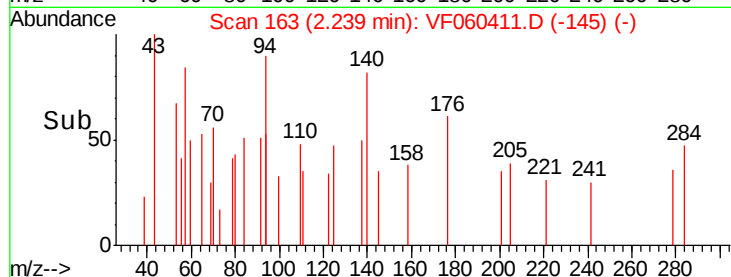
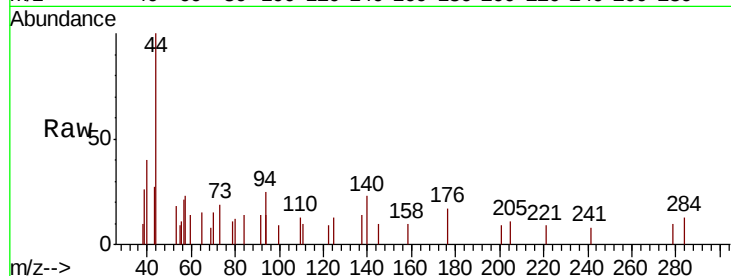




#20
Methvlene Chloride
Concen: 125.540 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

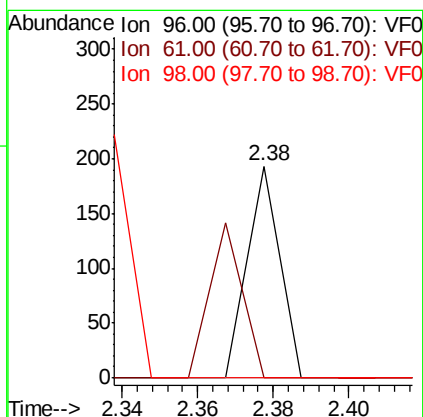
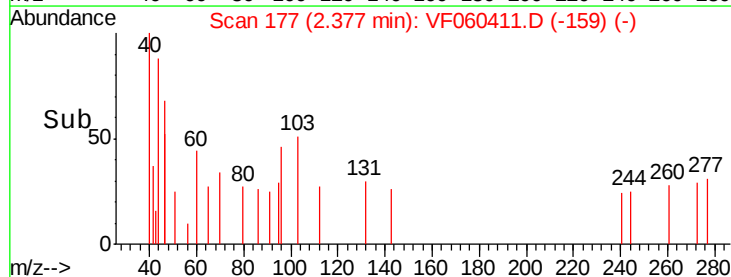
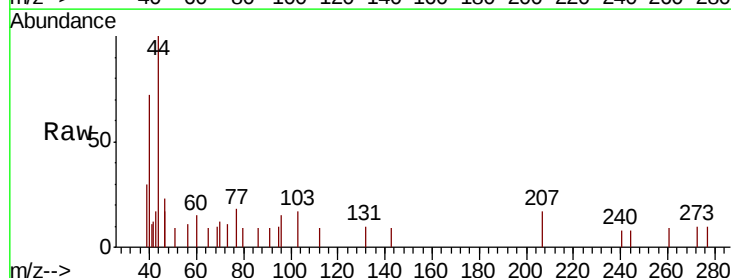
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

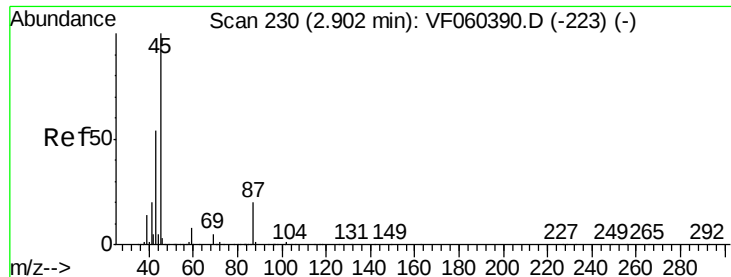
Tot Ion: 84 Resp: 103
Ion Ratio Lower Upper
84 100
49 0.0 130.2 195.2#
51 0.0 41.0 61.6#
86 0.0 51.5 77.3#



#21
trans-1,2-Dichloroethene
Concen: 122.211 ug/l
RT: 2.38 min Scan# 177
Delta R.T. -0.02 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Tgt Ion: 96 Resp: 114
Ion Ratio Lower Upper
96 100
61 0.0 146.2 219.2#
98 0.0 52.6 78.8#





#22

Diisopropyl ether

Concen: 61.108 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

Tot Ion: 45 Resp: 166

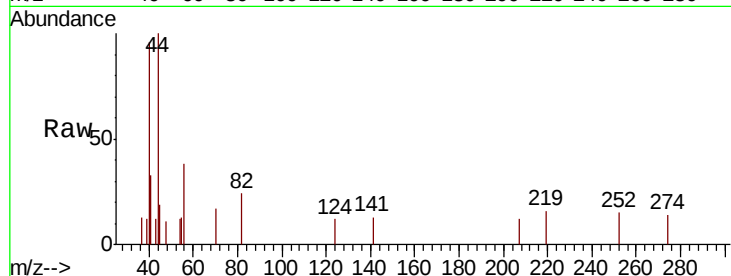
Ion Ratio Lower Upper

45 100

43 62.2 43.8 65.8

87 0.0 16.3 24.5#

59 0.0 6.6 10.0#

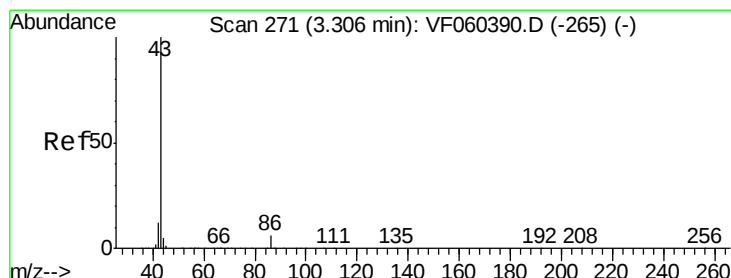
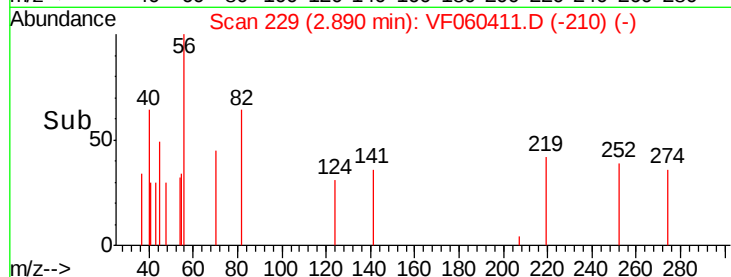
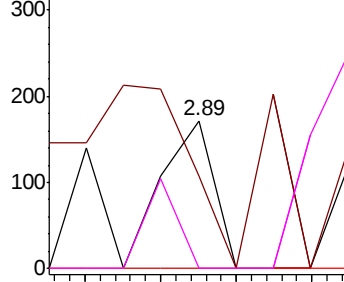


Abundance Ion 45.00 (44.70 to 45.70): VF0

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



#23

Vinyl Acetate

Concen: 281.722 ug/l

RT: 3.29 min Scan# 270

Delta R.T. -0.01 min

Lab File: VF060411.D

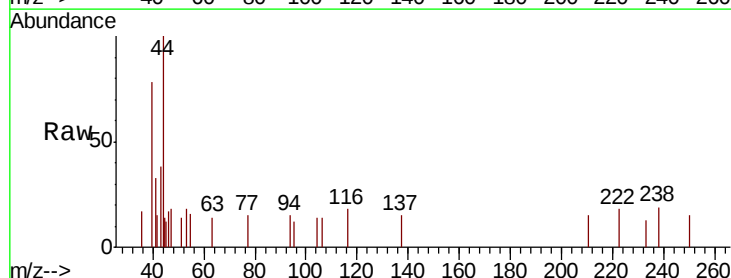
Acq: 2 Oct 2018 19:23

Tgt Ion: 43 Resp: 304

Ion Ratio Lower Upper

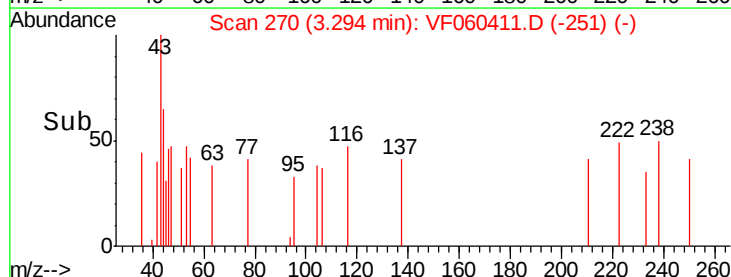
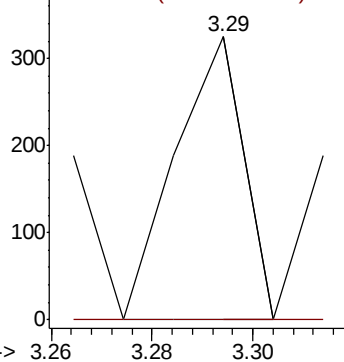
43 100

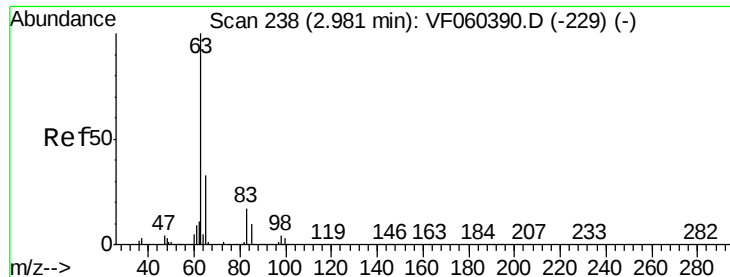
86 0.0 5.1 7.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 125.204 ug/l

RT: 3.03 min Scan# 243

Delta R.T. 0.05 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

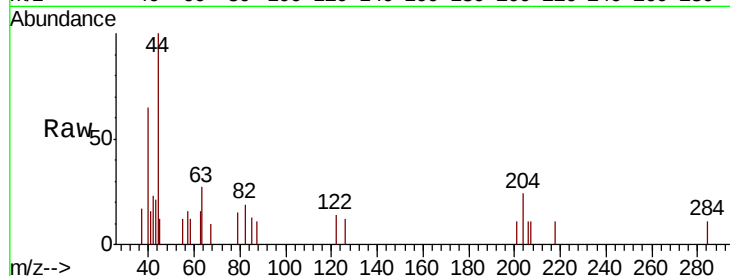
Tot Ion: 63 Resp: 230

Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

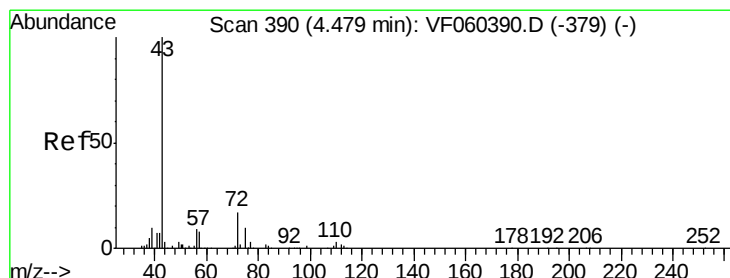
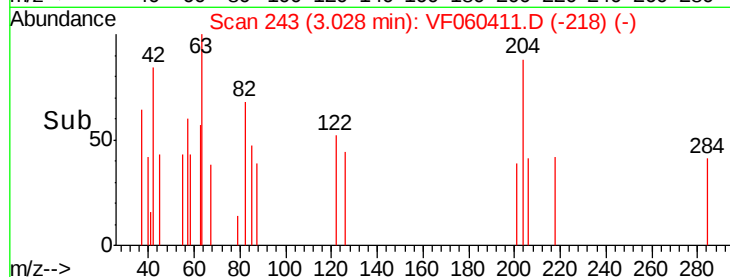
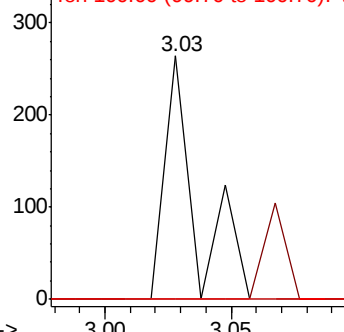
100 0.0 1.4 4.2#



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: 1718.053 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.04 min

Lab File: VF060411.D

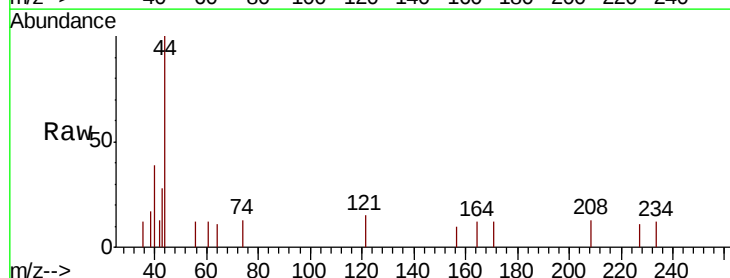
Acq: 2 Oct 2018 19:23

Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

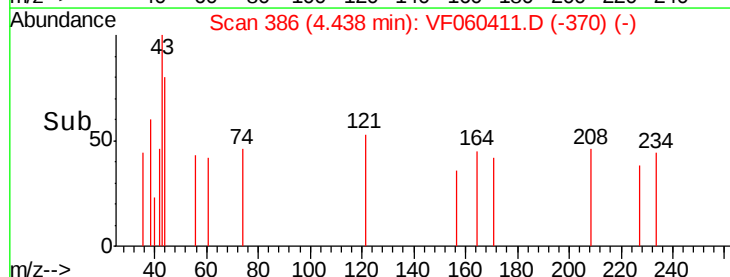
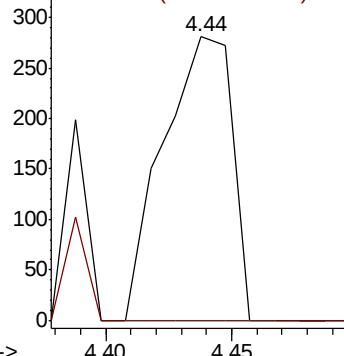
43 100

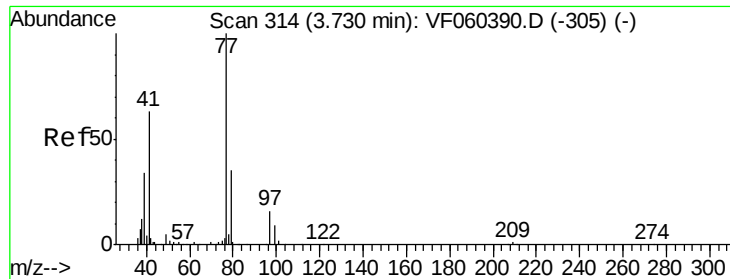
72 0.0 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 84.580 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

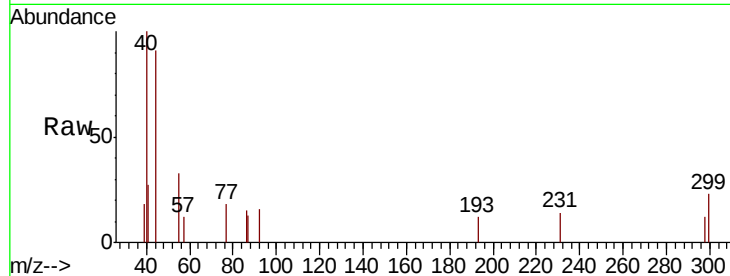
TR-04-092818

Tot Ion: 77 Resp: 88

Ion Ratio Lower Upper

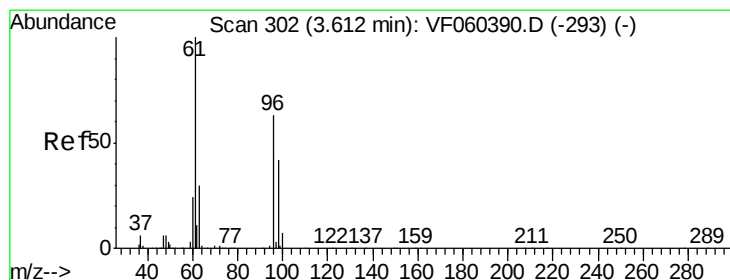
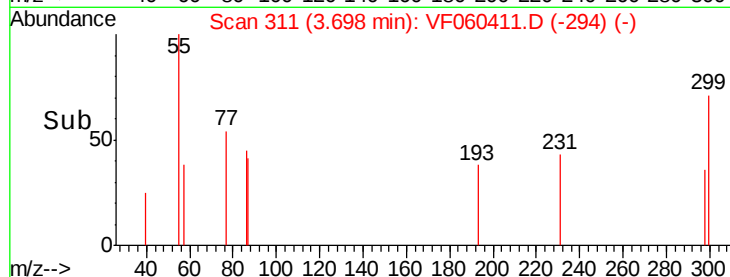
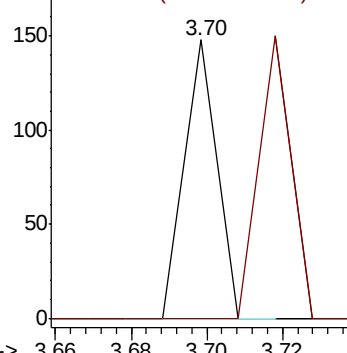
77 100

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



#27

cis-1,2-Dichloroethene

Concen: 116.016 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.04 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

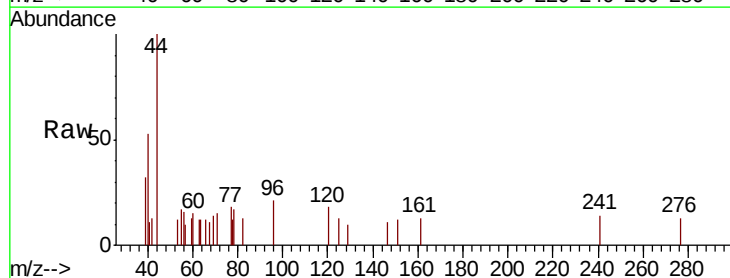
Tgt Ion: 96 Resp: 121

Ion Ratio Lower Upper

96 100

61 0.0 0.0 318.2

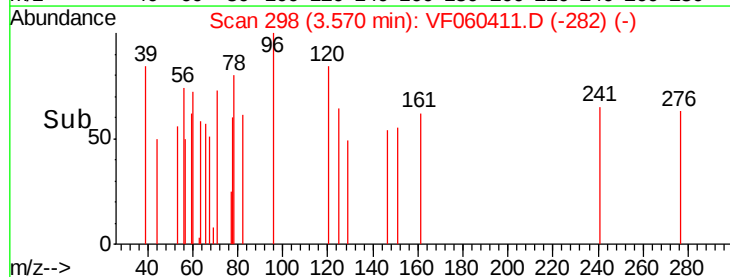
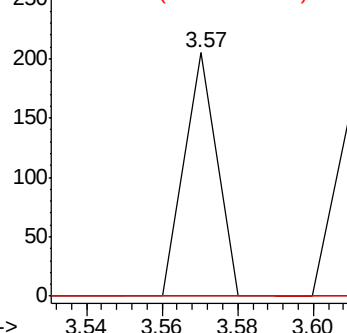
98 0.0 0.0 134.0

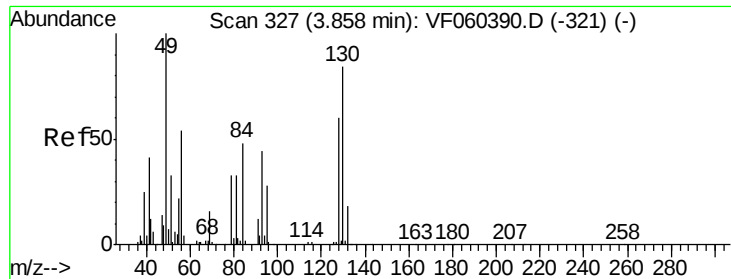


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 311.657 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

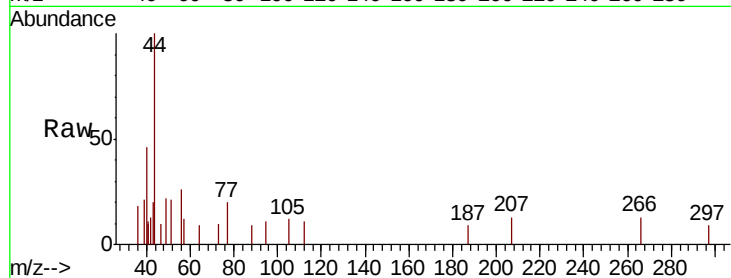
Tot Ion: 49 Resp: 211

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

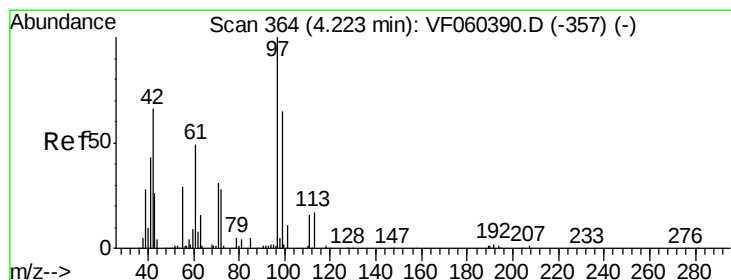
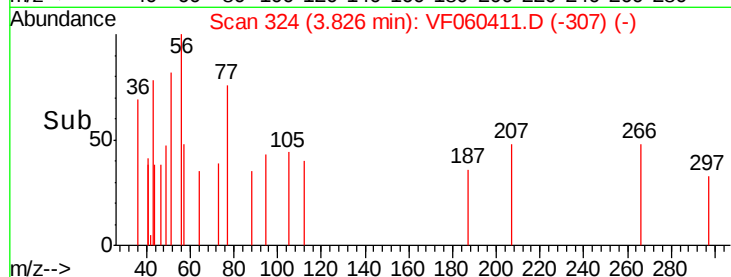
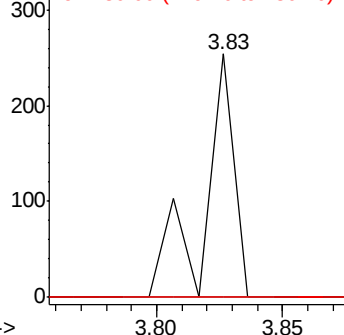
130 0.0 67.3 100.9#



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: 2439.667 ug/l

RT: 4.17 min Scan# 359

Delta R.T. -0.05 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

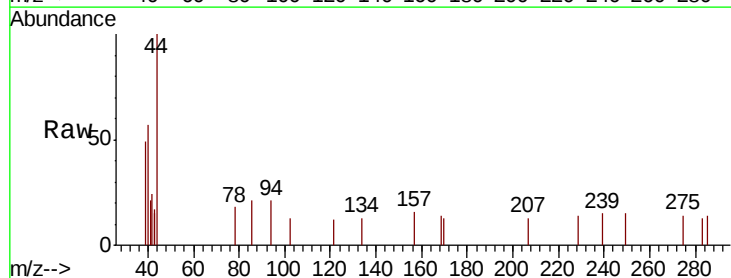
Tgt Ion: 42 Resp: 282

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

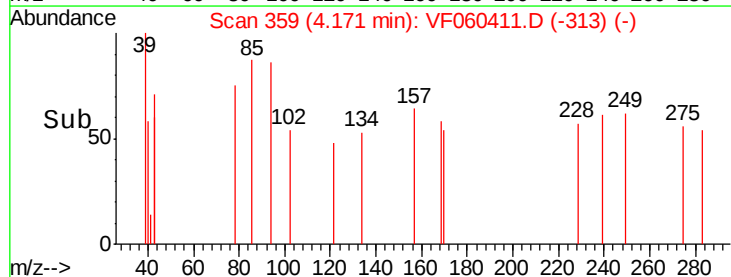
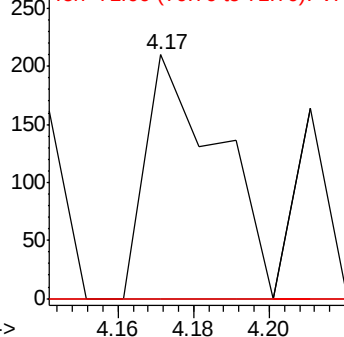
71 0.0 32.7 49.1#

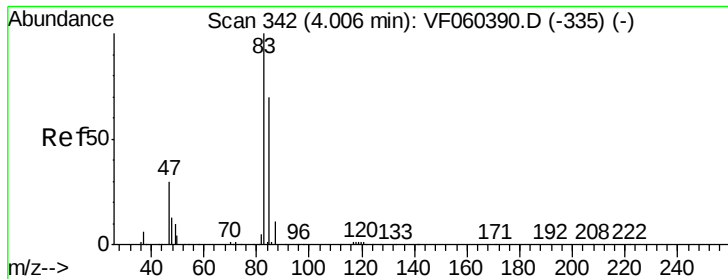


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

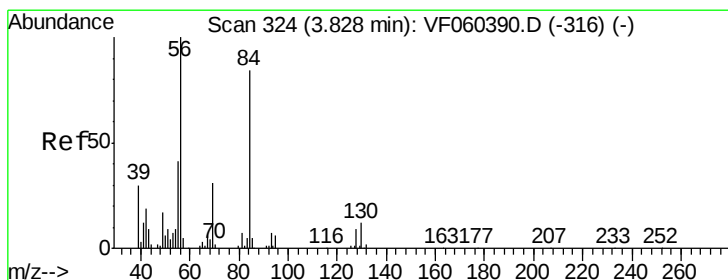
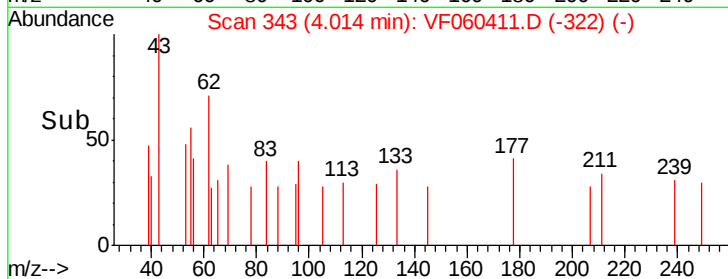
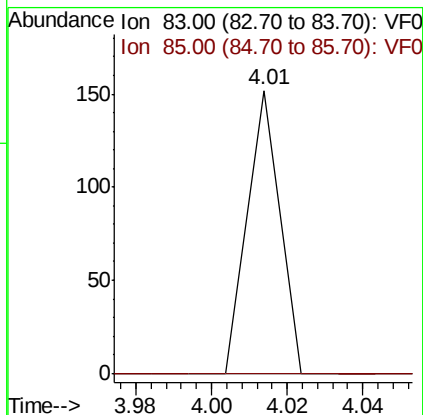
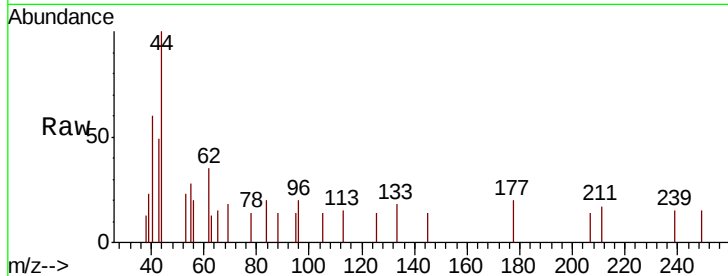




#30
Chloroform
Concen: 39.705 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

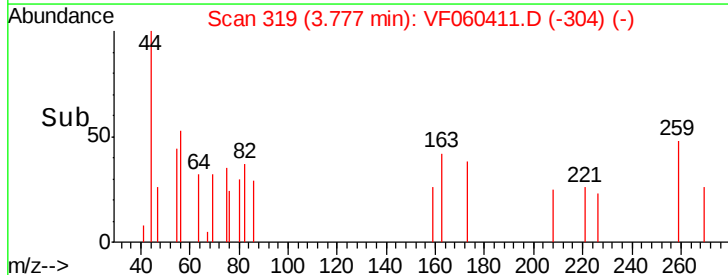
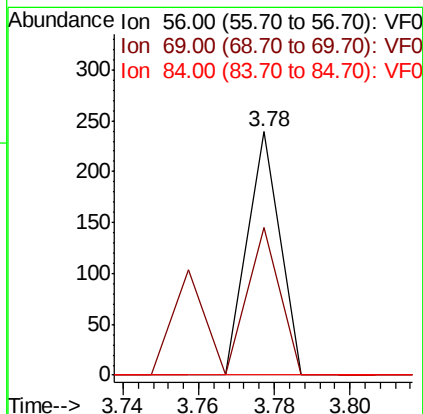
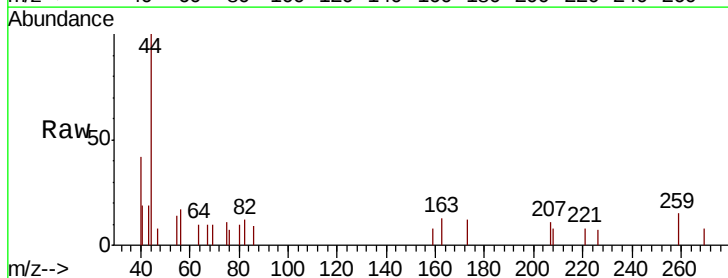
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

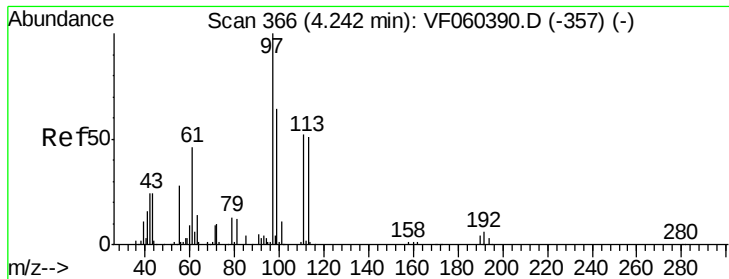
Tot Ion: 83 Resp: 90
Ion Ratio Lower Upper
83 100
85 0.0 55.9 83.9#



#31
Cyclohexane
Concen: 106.891 ug/l
RT: 3.78 min Scan# 319
Delta R.T. -0.05 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
69 60.7 25.5 38.3#
84 0.0 67.4 101.0#





#32

1,1,1-Trichloroethane

Concen: 32.870 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.00 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

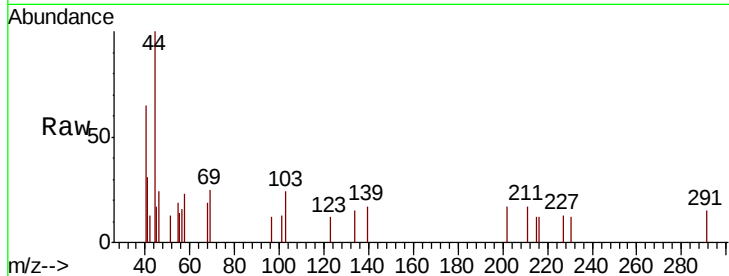
Tot Ion: 97 Resp: 62

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

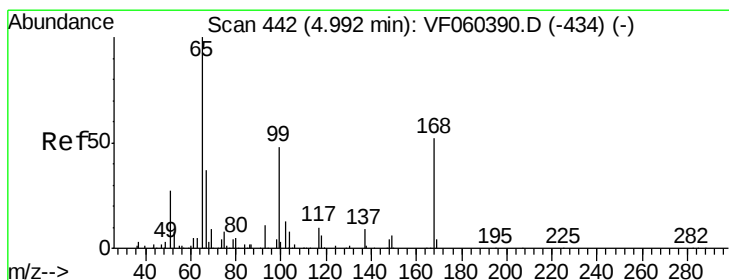
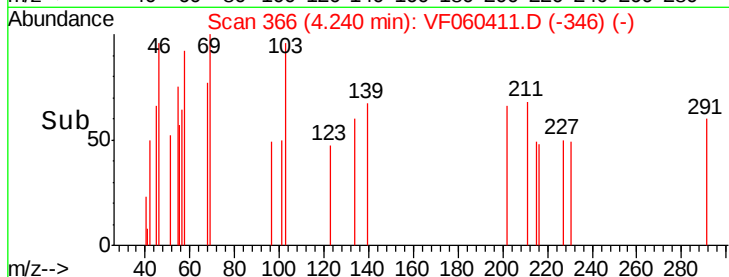
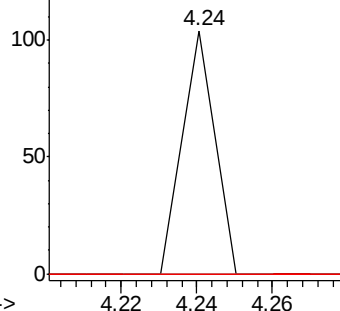
61 0.0 37.5 56.3#



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: 150.224 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060411.D

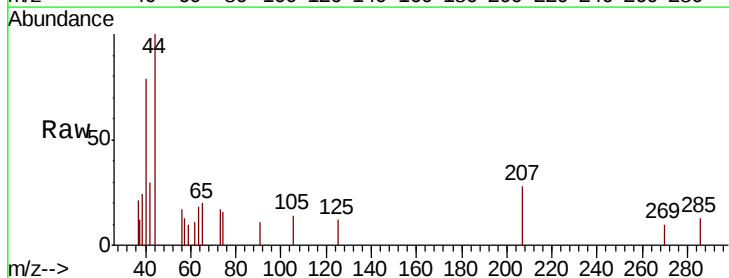
Acq: 2 Oct 2018 19:23

Tgt Ion: 65 Resp: 181

Ion Ratio Lower Upper

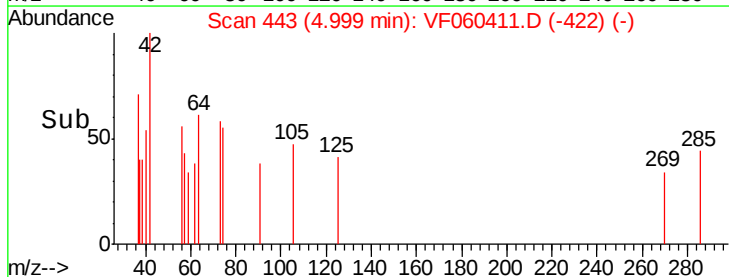
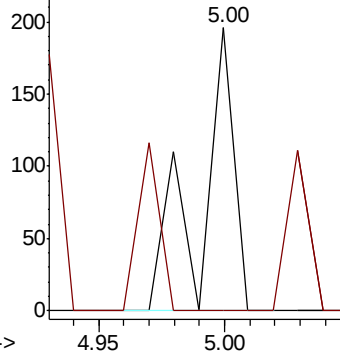
65 100

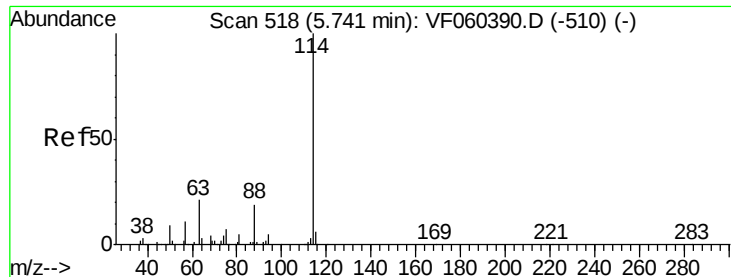
67 0.0 0.0 89.4



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: 5.66 min Scan# 510

Delta R.T. -0.08 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

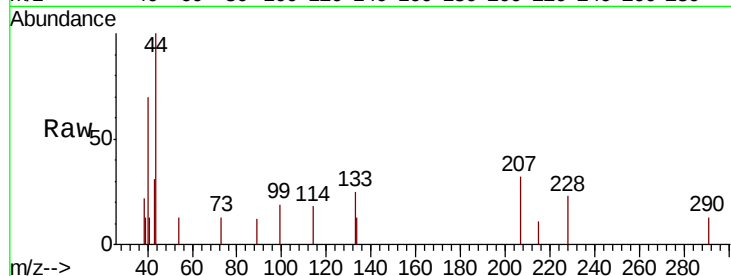
Tot Ion:114 Resp: 99

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.2

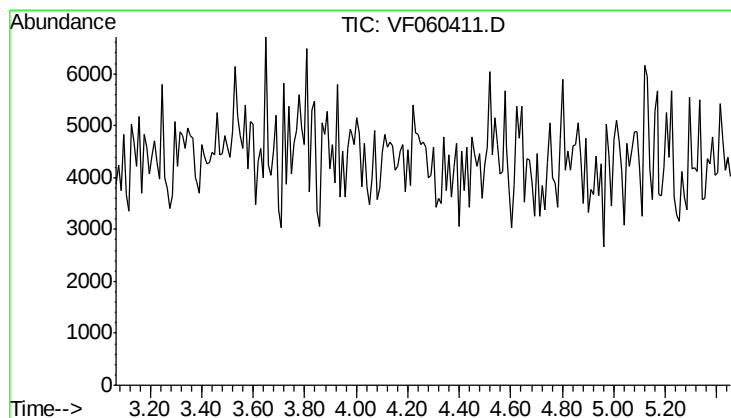
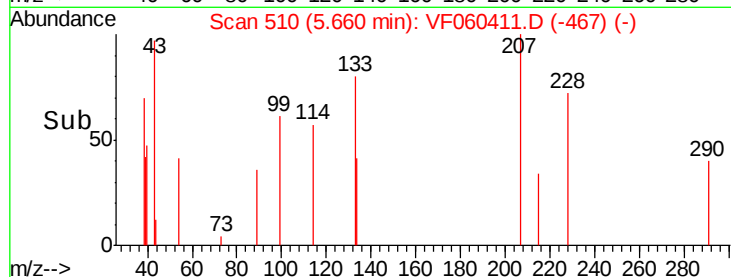
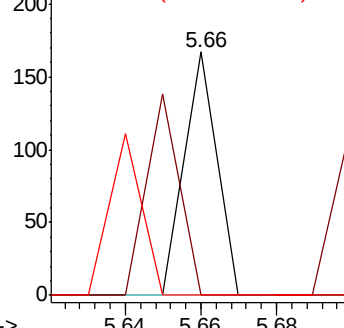
88 0.0 0.0 38.8



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: 0.000 ug/l

Expected RT: 4.26 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

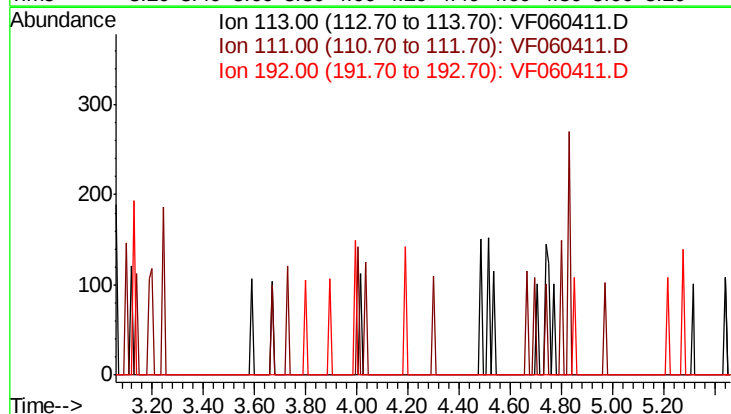
Tgt Ion: 113

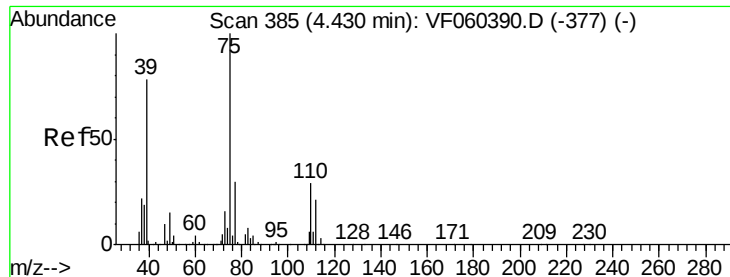
Sig Exp Ratio

113 100

111 102.9

192 14.7





#36

1,1-Dichloropropene

Concen: 49.976 ug/l

RT: 4.38 min Scan# 380

Delta R.T. -0.05 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

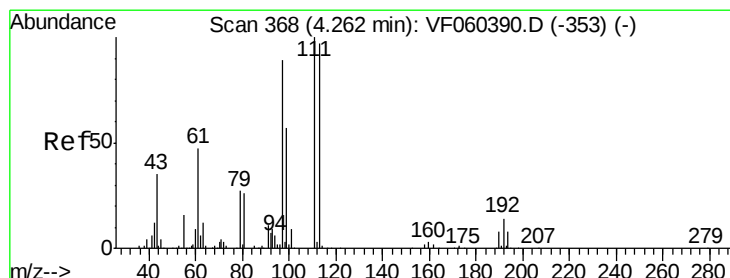
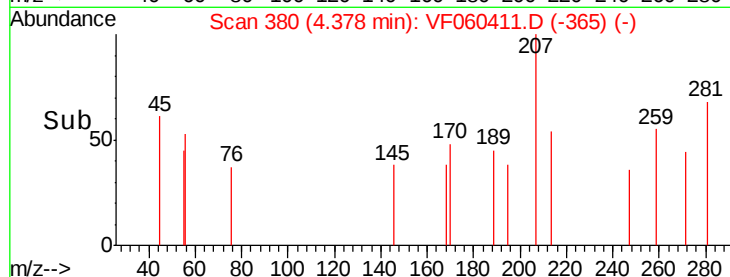
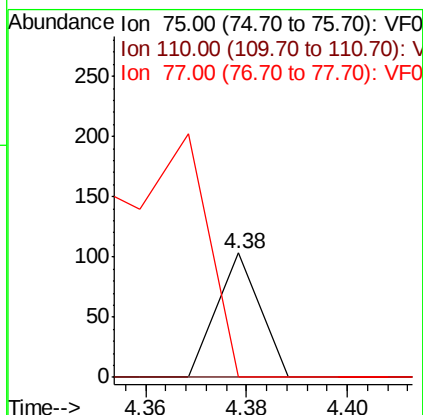
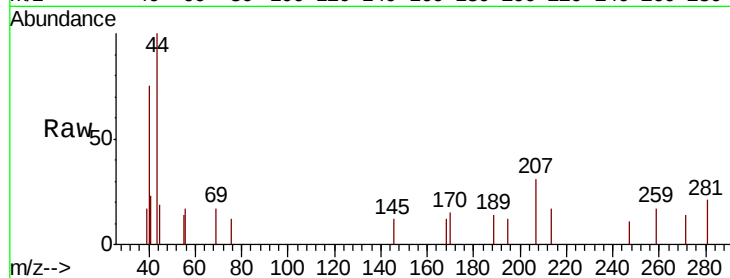
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

110 0.0 14.5 43.6#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 868.610 ug/l

RT: 4.21 min Scan# 363

Delta R.T. -0.05 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

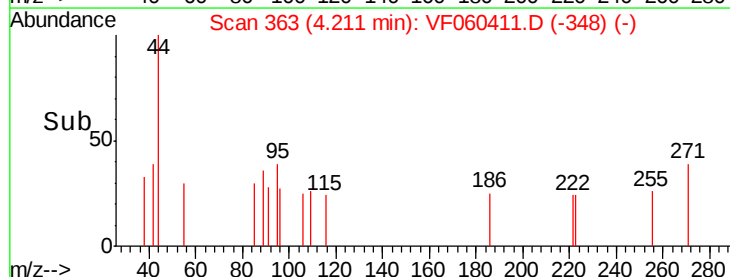
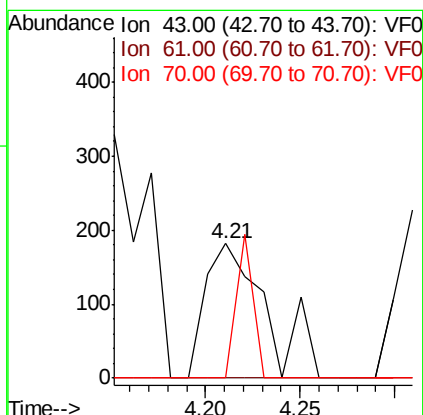
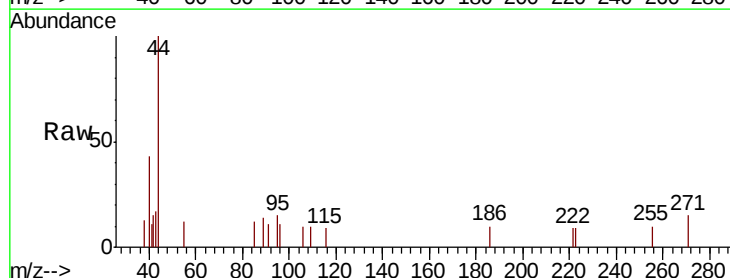
Tgt Ion: 43 Resp: 406

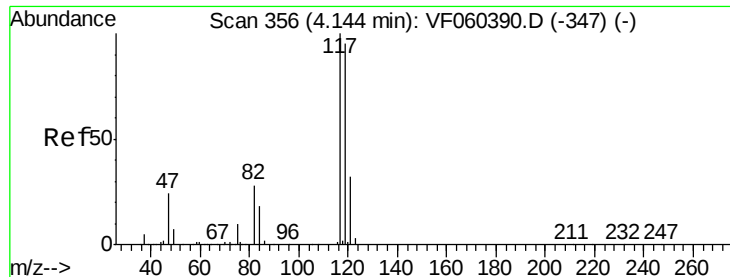
Ion Ratio Lower Upper

43 100

61 0.0 105.1 157.7#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 41.057 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.09 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

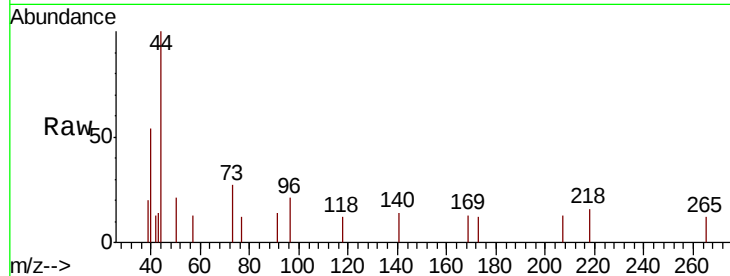
Tot Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

119 0.0 75.5 113.3#

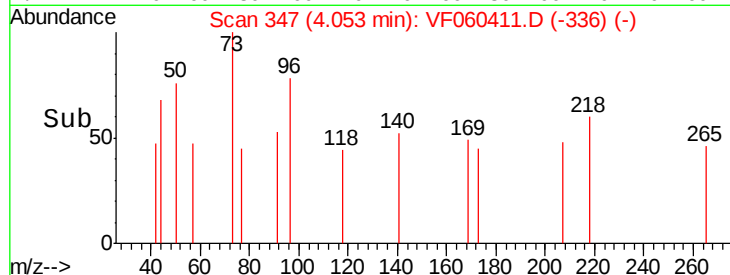
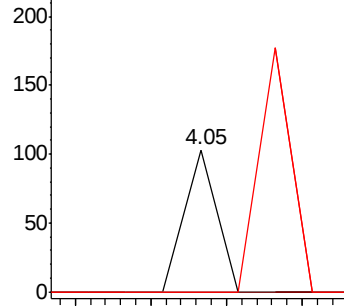
121 0.0 25.4 38.0#



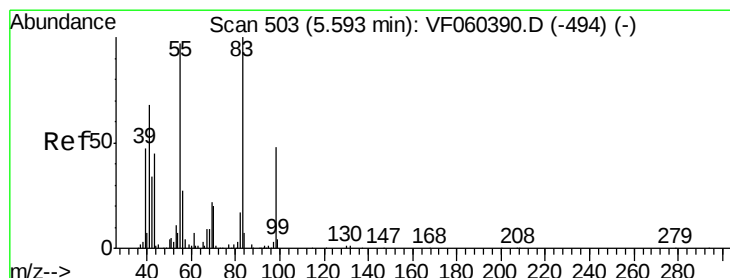
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



Time-->



#39

Methylcyclohexane

Concen: 59.335 ug/l

RT: 5.53 min Scan# 497

Delta R.T. -0.06 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

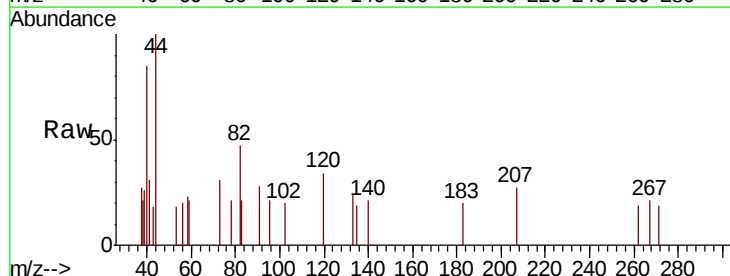
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

55 0.0 77.5 116.3#

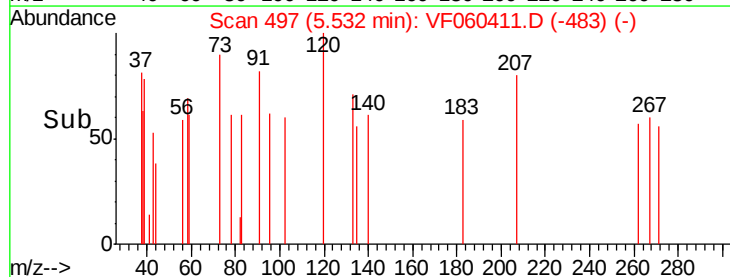
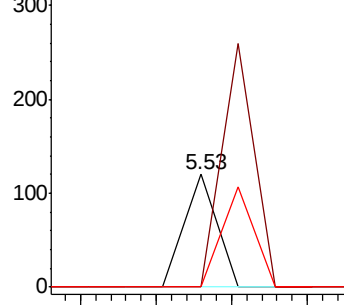
98 0.0 38.7 58.1#



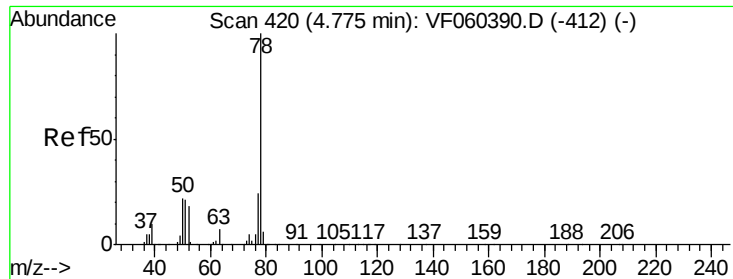
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#40

Benzene

Concen: 28.063 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.05 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

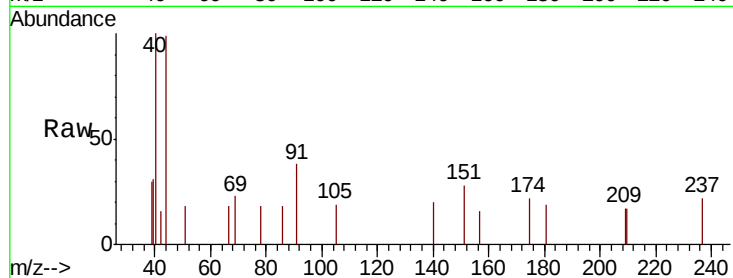
TR-04-092818

Tot Ion: 78 Resp: 68

Ion Ratio Lower Upper

78 100

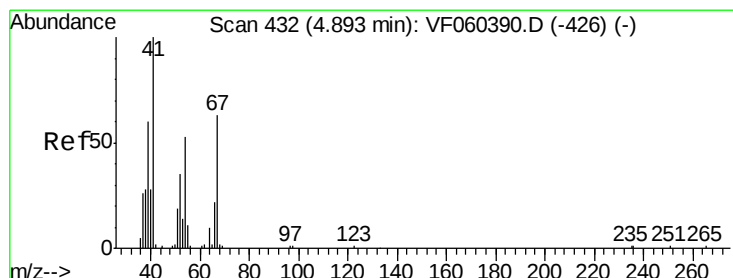
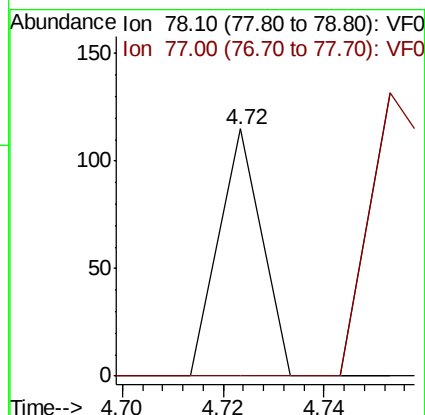
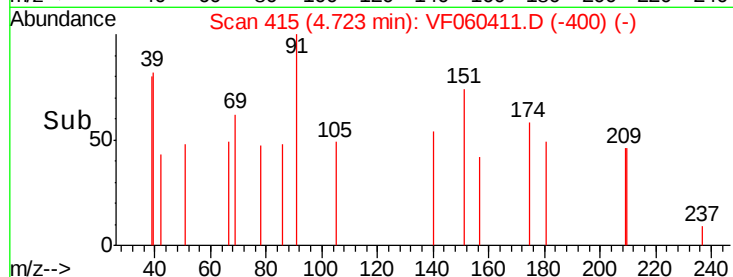
77 0.0 19.2 28.8#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time-->



#41

Methacrylonitrile

Concen: 802.961 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.08 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Tgt Ion: 41 Resp: 199

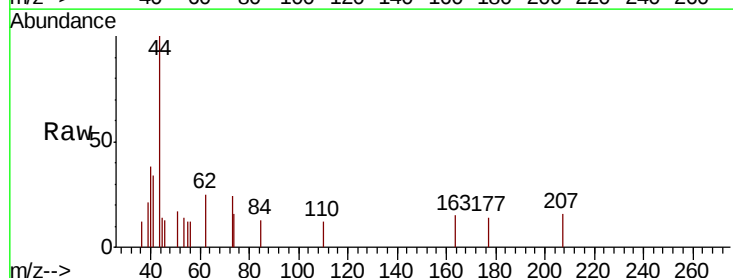
Ion Ratio Lower Upper

41 100

39 172.1 55.0 82.4#

67 0.0 49.6 74.4#

52 0.0 38.8 58.2#



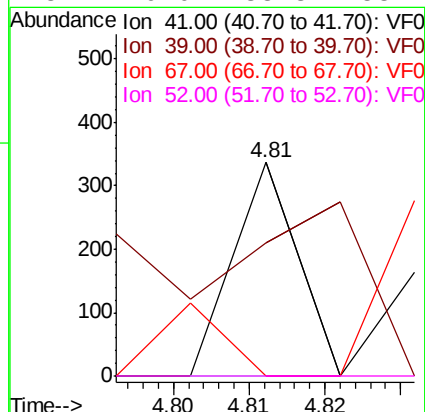
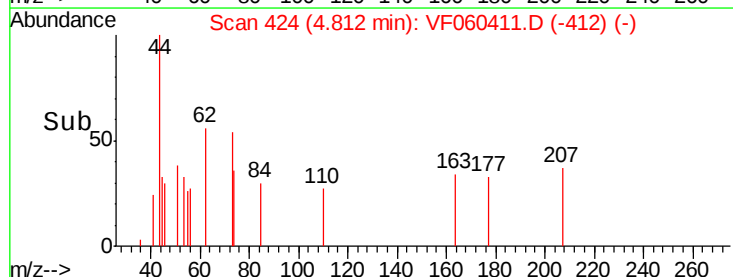
Abundance Ion 41.00 (40.70 to 41.70): VF0

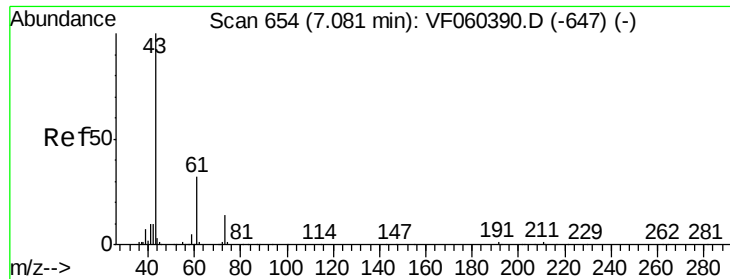
Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Time-->



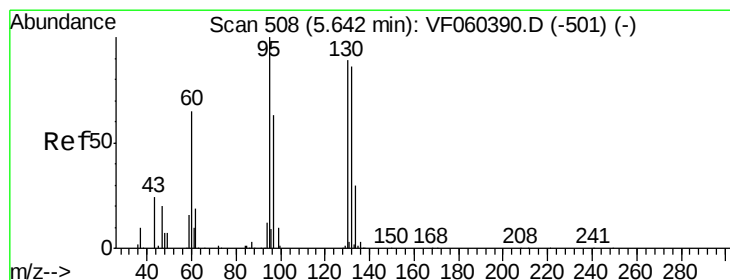
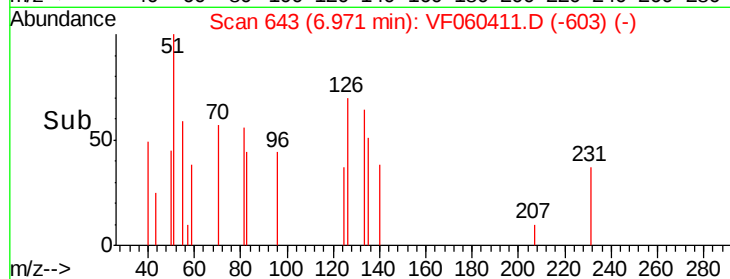
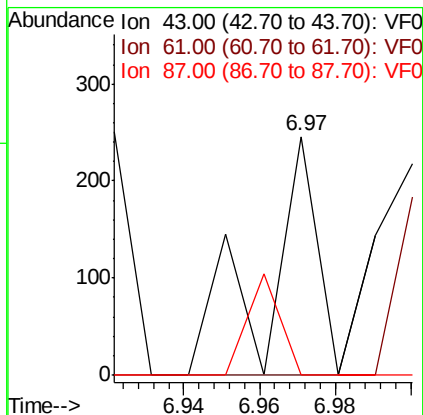
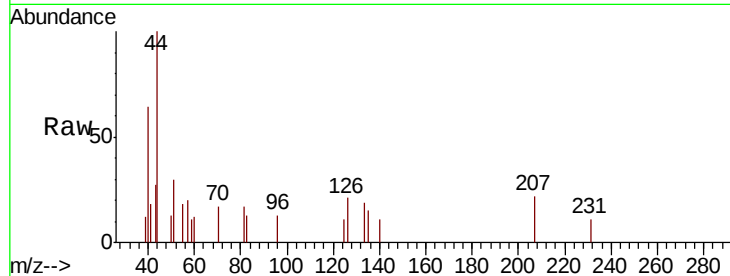


#43

Isopropyl Acetate
 Concen: 408.952 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.11 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

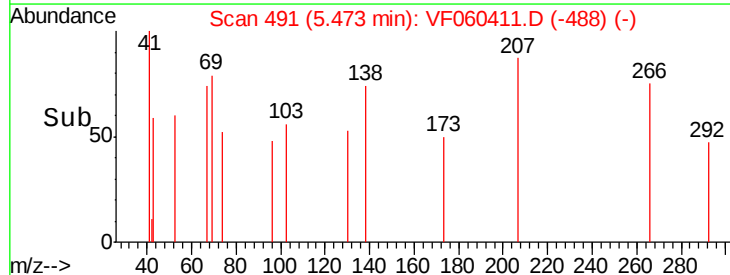
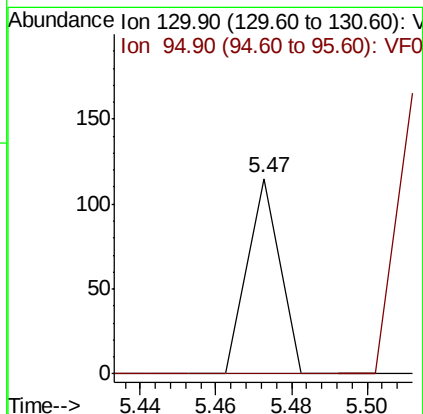
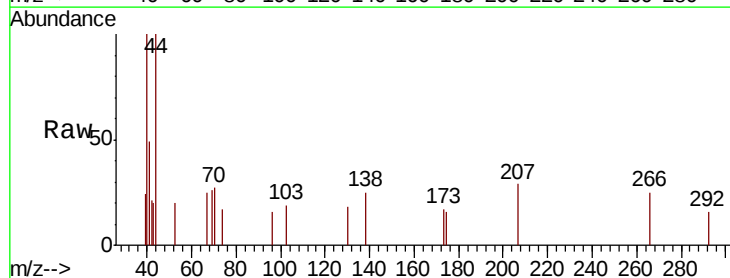
Tot Ion: 43 Resp: 231
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.4 38.2#
 87 0.0 0.3 0.5#

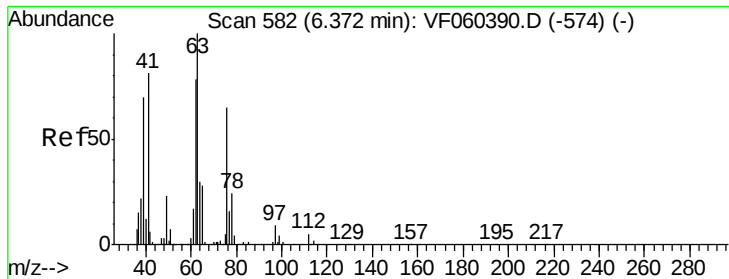


#44

Trichloroethene
 Concen: 87.461 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.17 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

Tgt Ion: 130 Resp: 68
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 224.4





#45

1,2-Dichloropropane

Concen: 106.927 ug/l

RT: 6.34 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

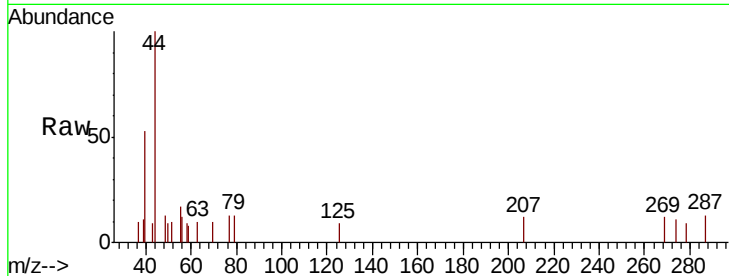
TR-04-092818

Tot Ion: 63 Resp: 69

Ion Ratio Lower Upper

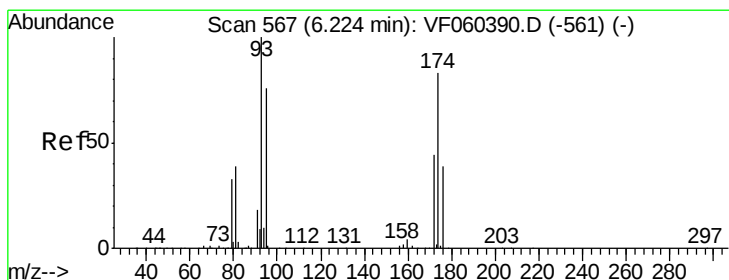
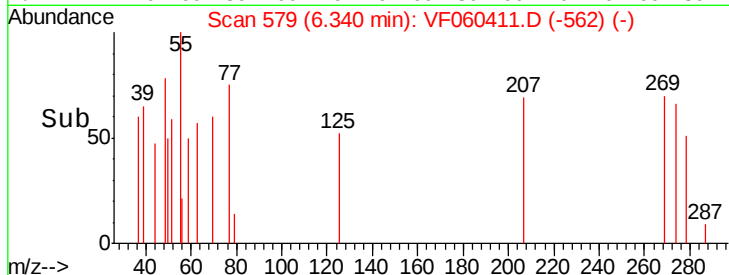
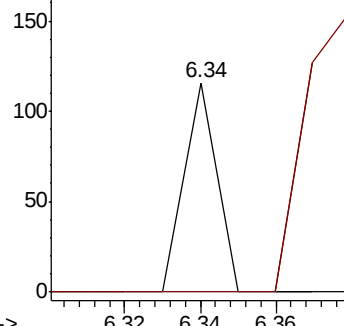
63 100

65 0.0 22.7 34.1#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 117.574 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.02 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

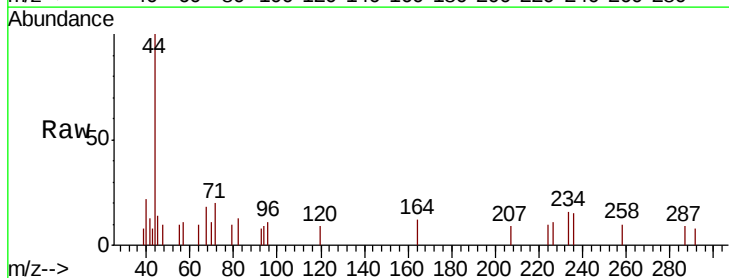
Tgt Ion: 93 Resp: 61

Ion Ratio Lower Upper

93 100

95 0.0 61.1 91.7#

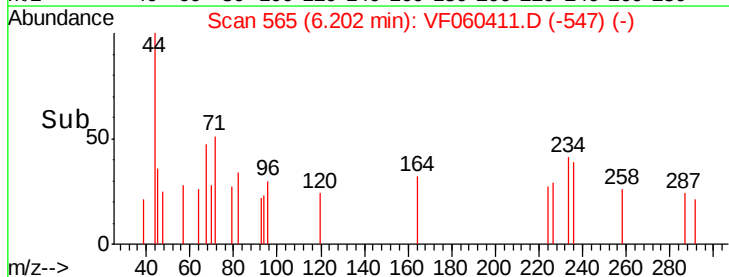
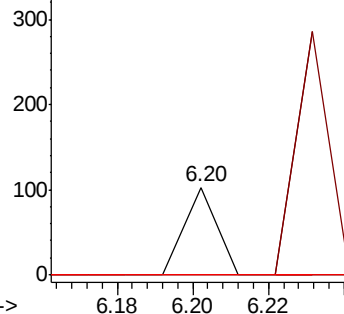
174 0.0 66.7 100.1#

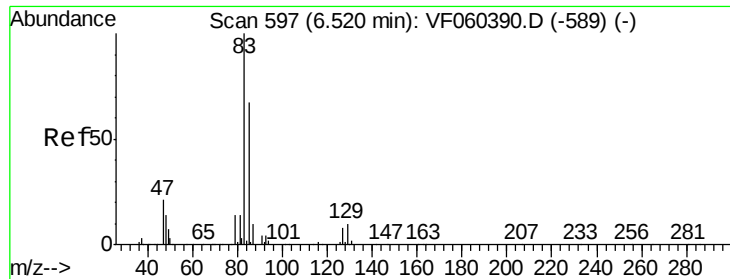


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 189.113 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.10 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

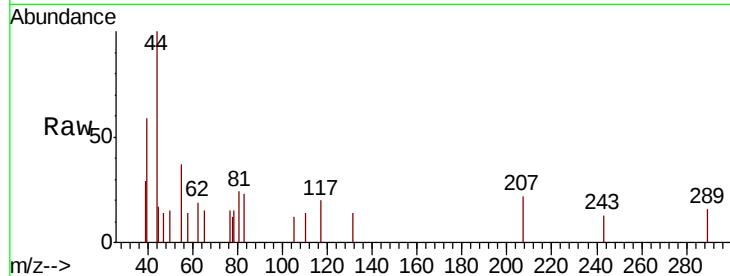
Tot Ion: 83 Resp: 243

Ion Ratio Lower Upper

83 100

85 0.0 53.2 79.8#

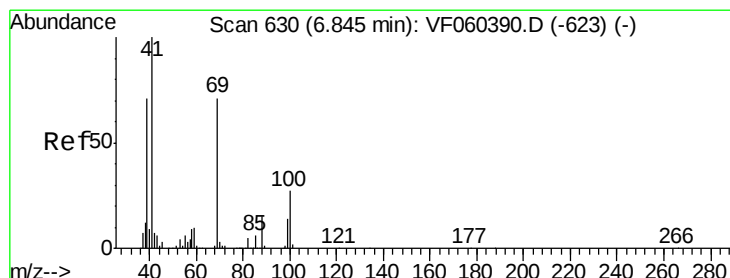
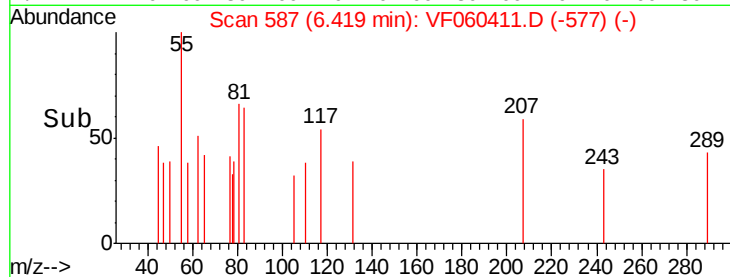
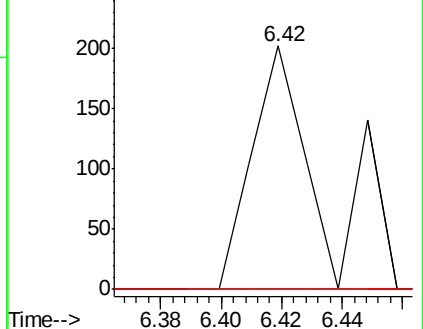
127 0.0 6.6 9.8#



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: 2024.792 ug/l

RT: 6.77 min Scan# 623

Delta R.T. -0.07 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

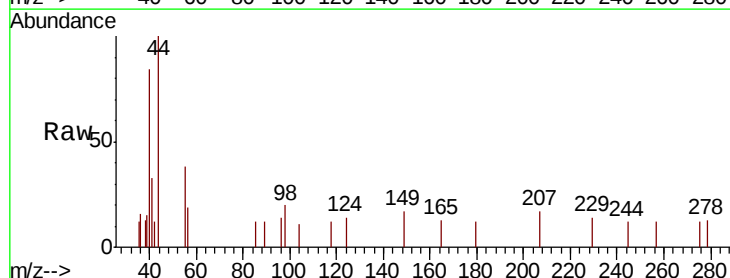
Tgt Ion: 41 Resp: 821

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

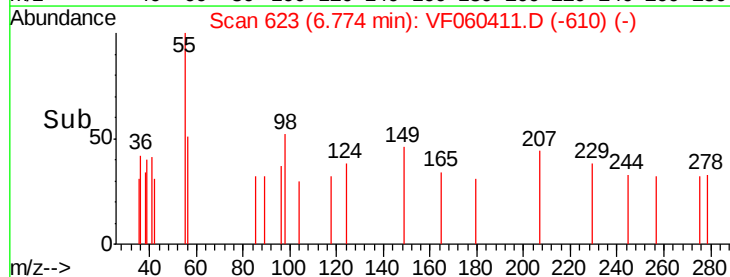
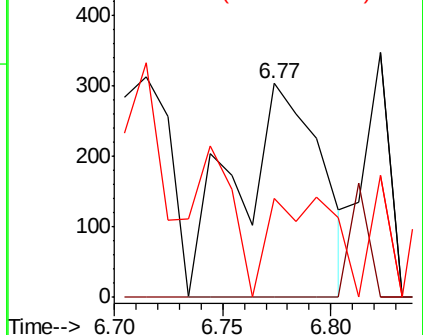
39 45.9 56.9 85.3#

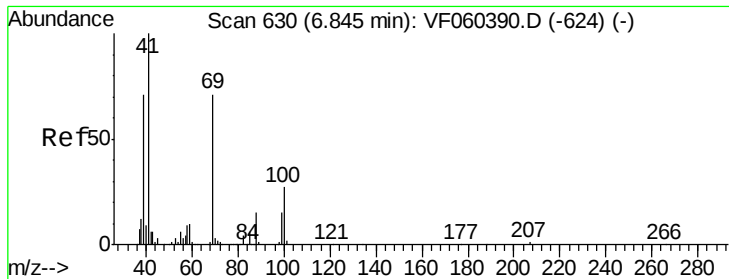


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 25743.096 ug/l

RT: 7.04 min Scan# 650

Delta R.T. 0.20 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

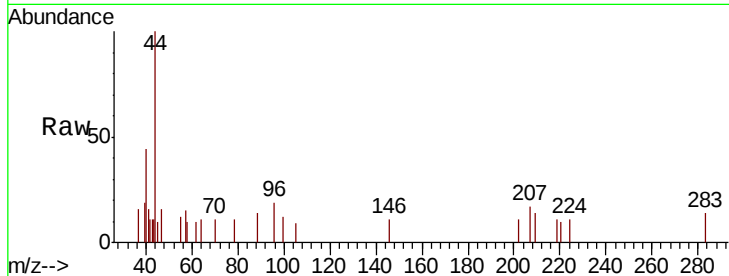
Tot Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 151.6 38.3 57.5#

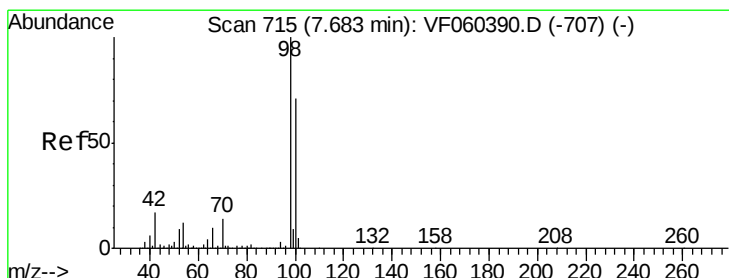
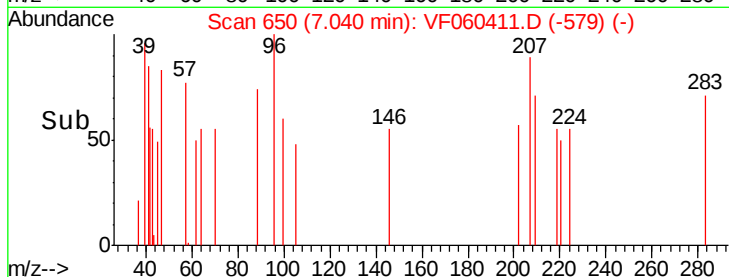
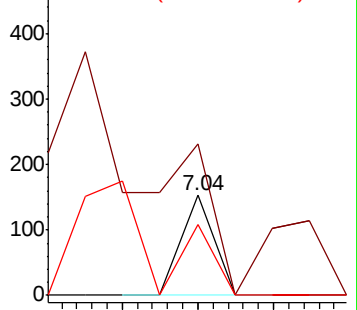
58 71.2 47.4 71.2#



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: 90.373 ug/l

RT: 7.51 min Scan# 698

Delta R.T. -0.17 min

Lab File: VF060411.D

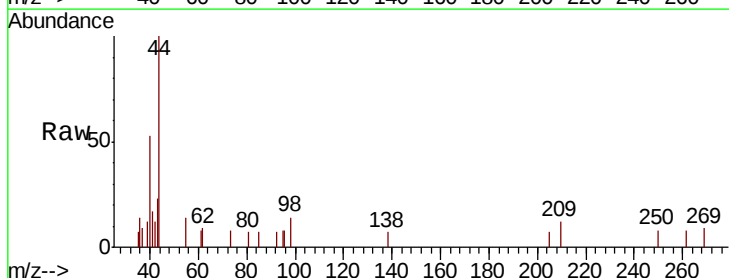
Acq: 2 Oct 2018 19:23

Tgt Ion: 98 Resp: 207

Ion Ratio Lower Upper

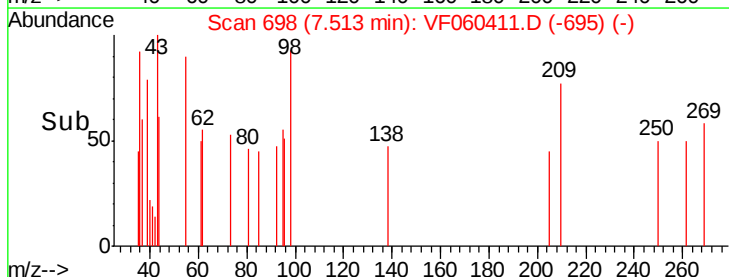
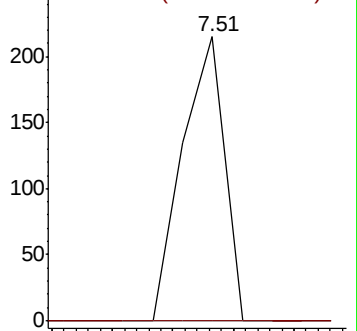
98 100

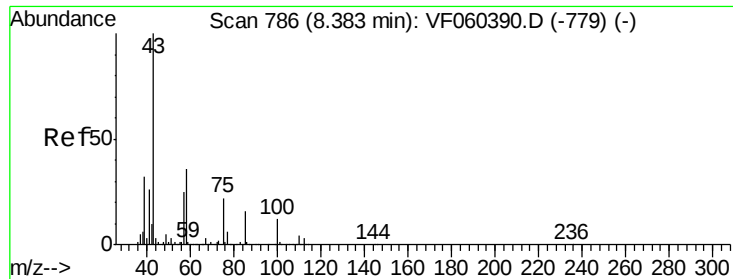
100 0.0 56.5 84.7#



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: 519.783 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.14 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

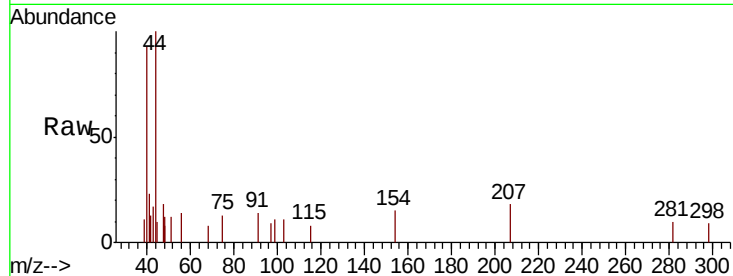
TR-04-092818

Tot Ion: 43 Resp: 209

Ion Ratio Lower Upper

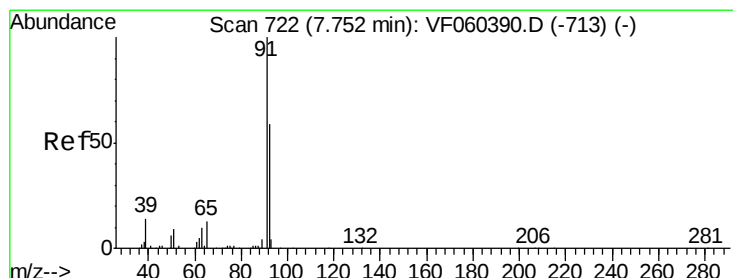
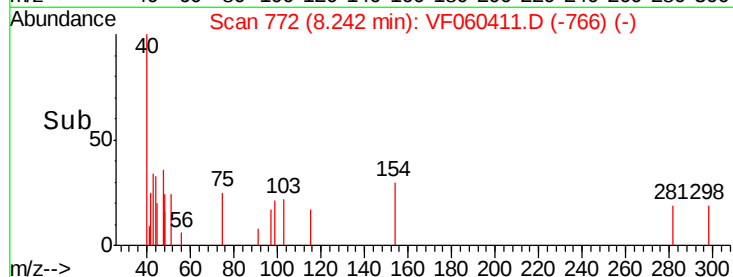
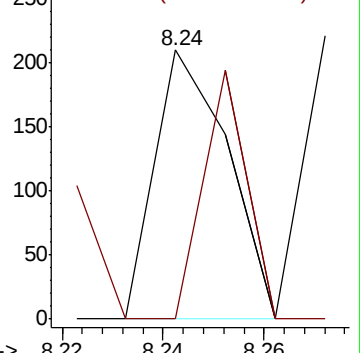
43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 91.747 ug/l

RT: 7.50 min Scan# 697

Delta R.T. -0.25 min

Lab File: VF060411.D

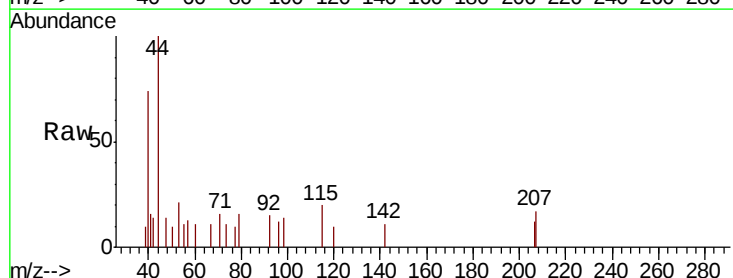
Acq: 2 Oct 2018 19:23

Tgt Ion: 92 Resp: 151

Ion Ratio Lower Upper

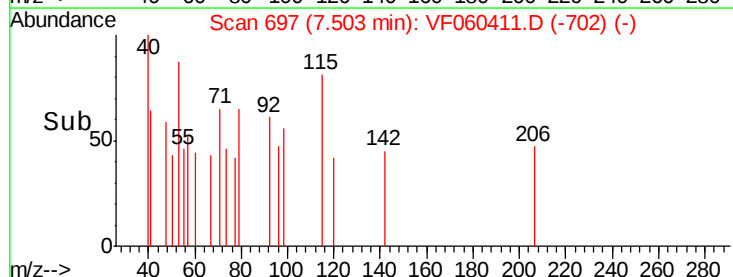
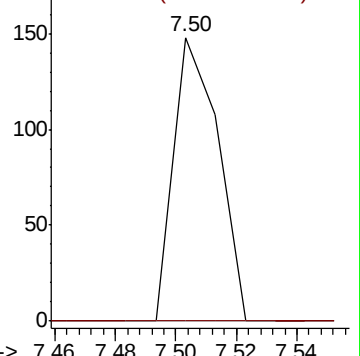
92 100

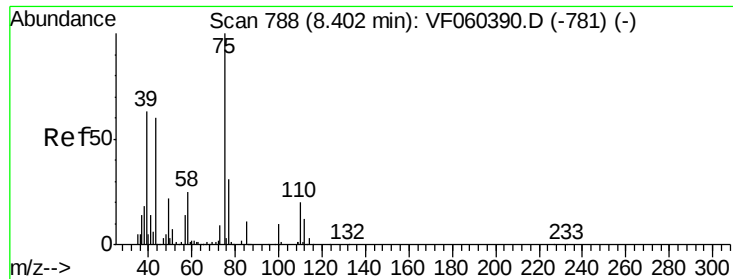
91 0.0 135.4 203.0#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 89.374 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.16 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

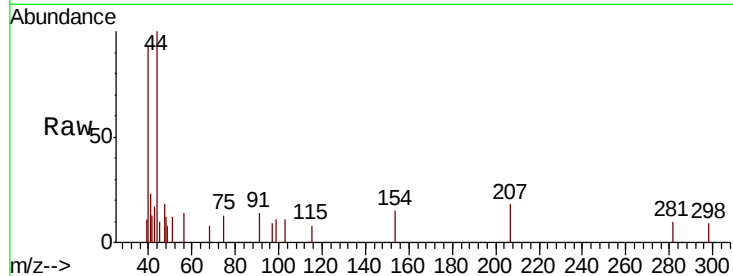
TR-04-092818

Tot Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

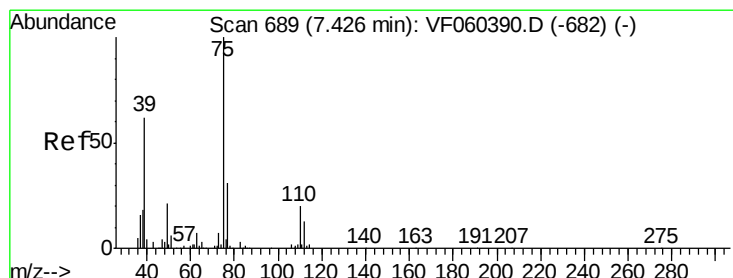
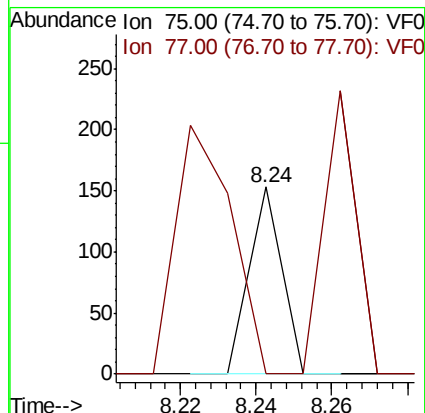
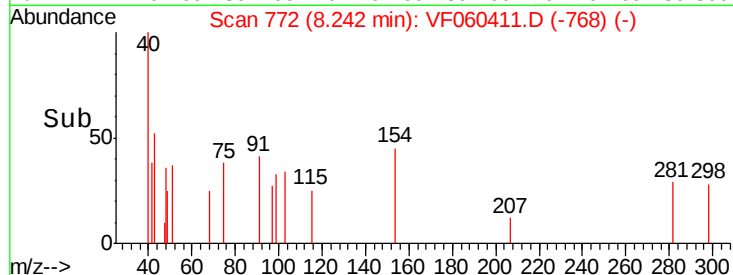
77 0.0 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.380 ug/l

RT: 7.26 min Scan# 672

Delta R.T. -0.17 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

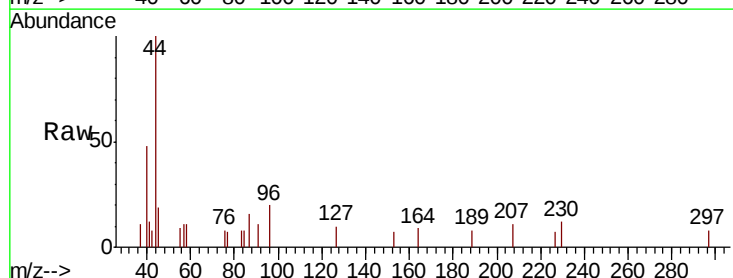
Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

77 96.3 25.2 37.8#

39 0.0 49.7 74.5#

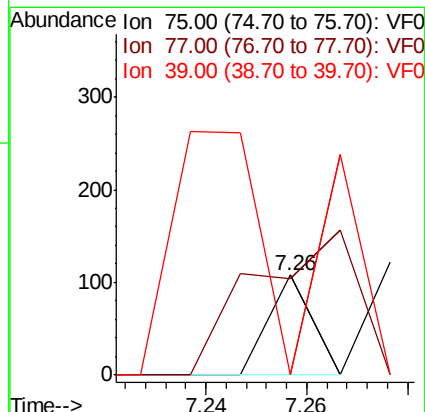
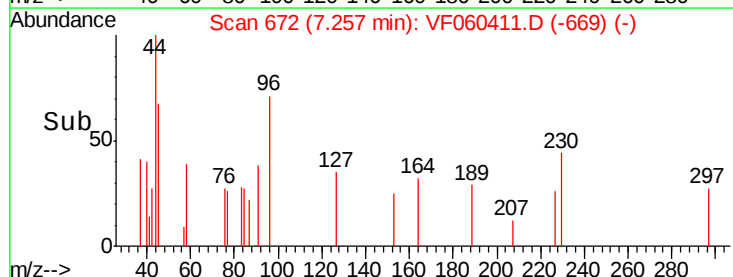


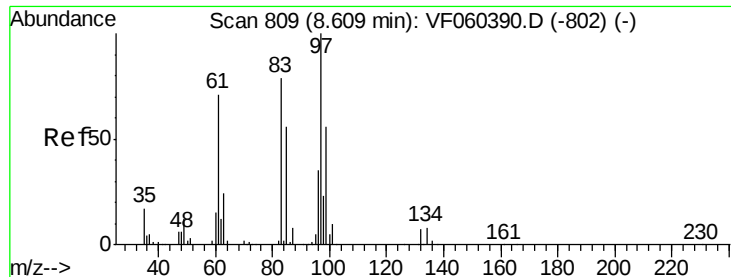
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#55

1,1,2-Trichloroethane

Concen: 143.766 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.11 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

Tot Ion: 97 Resp: 75

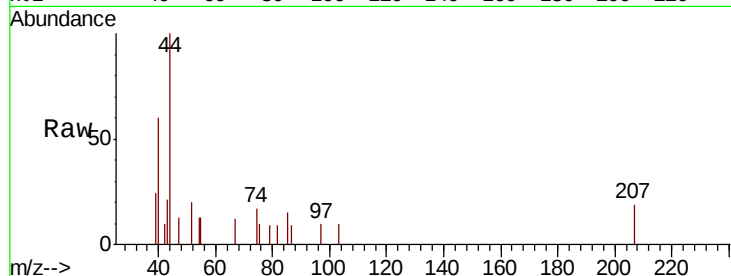
Ion Ratio Lower Upper

97 100

83 0.0 63.4 95.0#

85 141.3 44.5 66.7#

99 0.0 45.1 67.7#

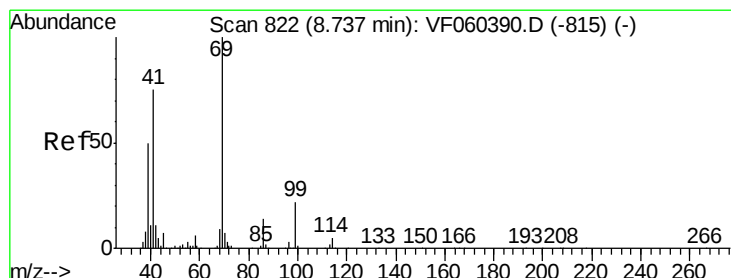
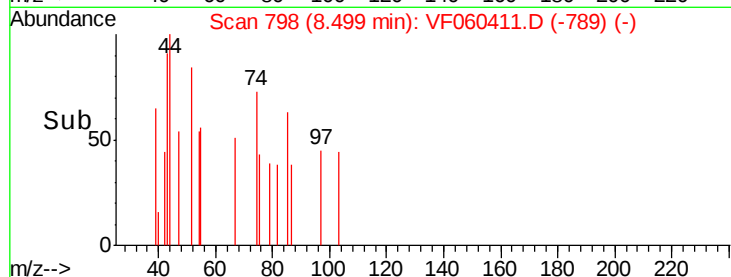
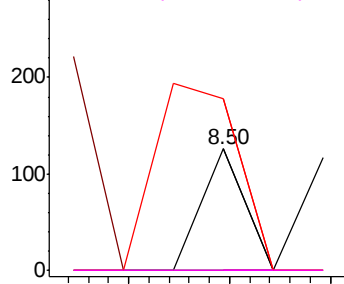


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 102.902 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.15 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

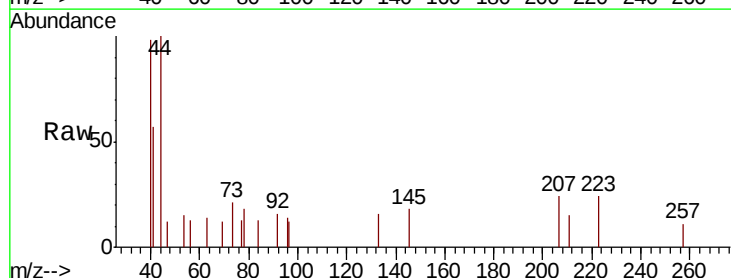
Tgt Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 490.3 60.2 90.4#

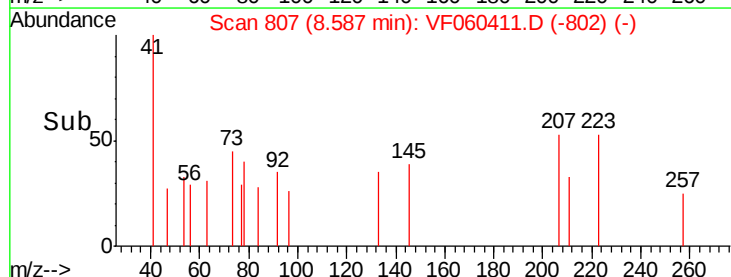
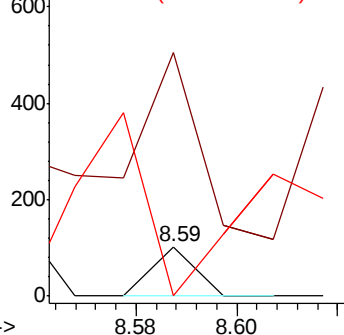
39 0.0 40.2 60.2#

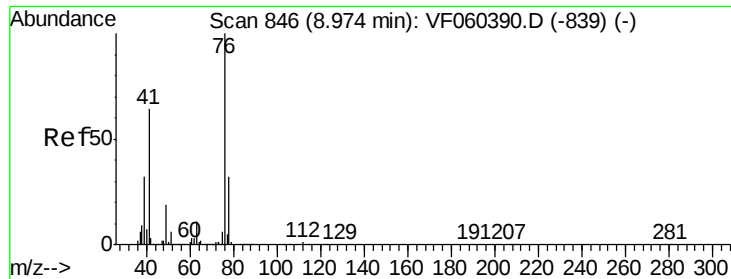


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 71.384 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.14 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

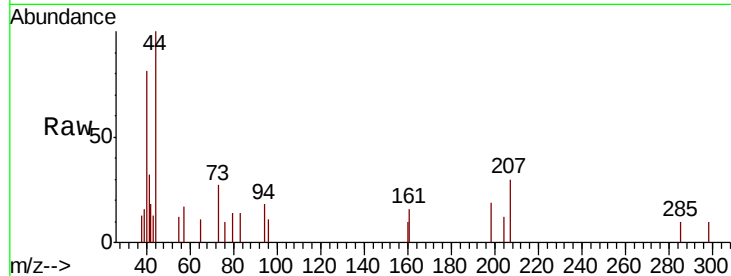
TR-04-092818

Tot Ion: 76 Resp: 63

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

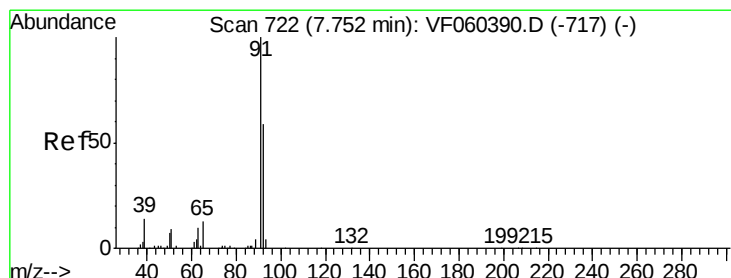
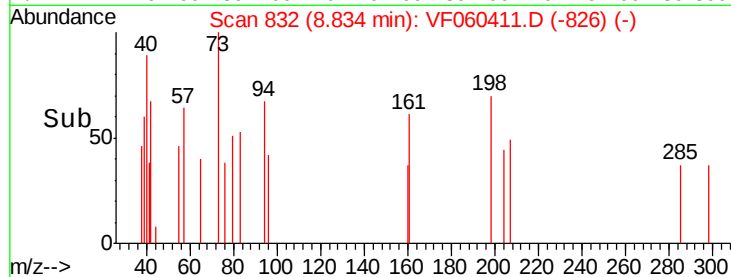
100

50

0

8.80 8.82 8.84 8.86

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1519.365 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.10 min

Lab File: VF060411.D

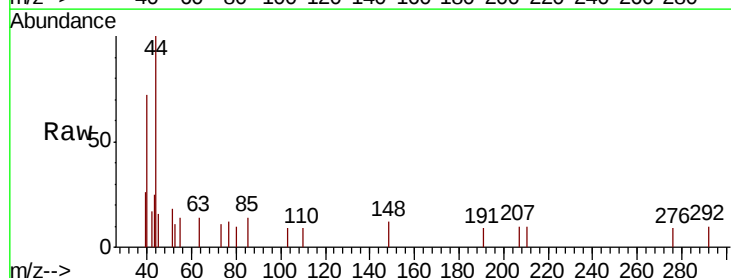
Acq: 2 Oct 2018 19:23

Tgt Ion: 63 Resp: 92

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

150

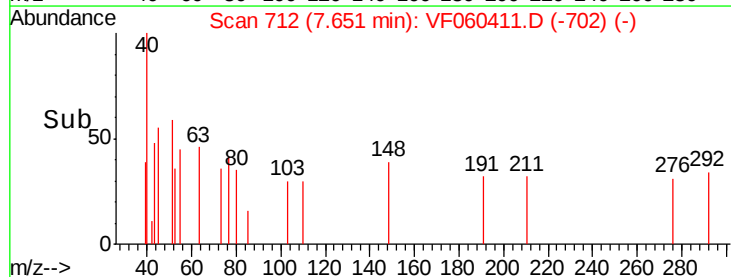
100

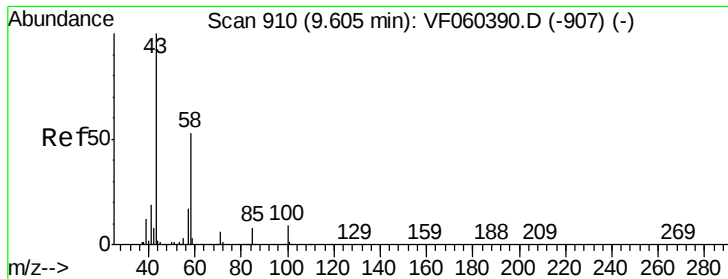
50

0

7.62 7.64 7.66 7.68

Time-->

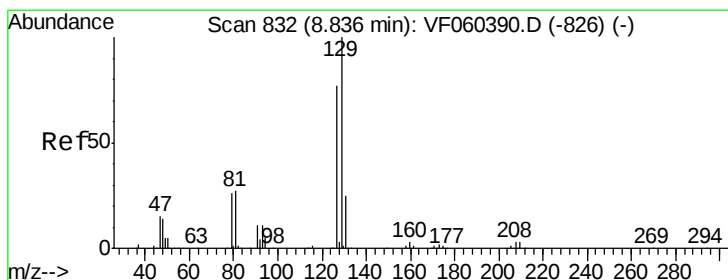
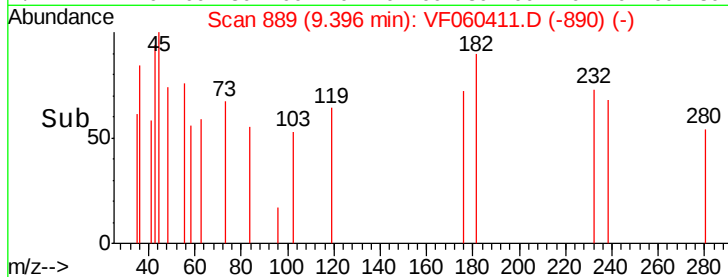
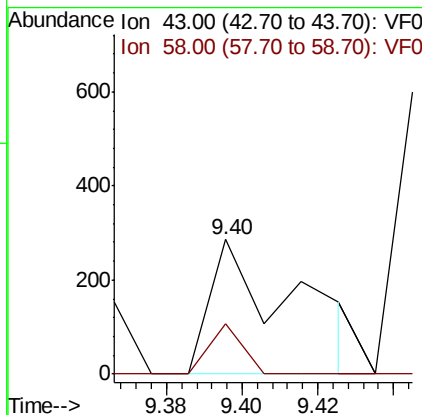
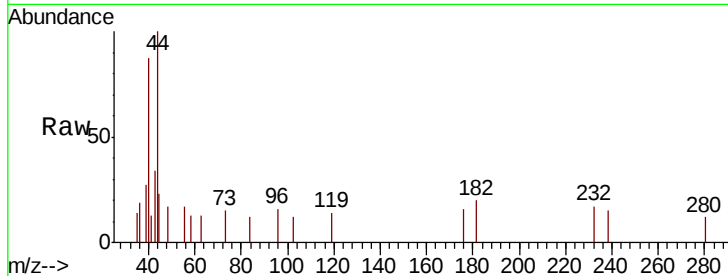




#59
2-Hexanone
Concen: 1488.497 ug/l
RT: 9.40 min Scan# 889
Delta R.T. -0.21 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

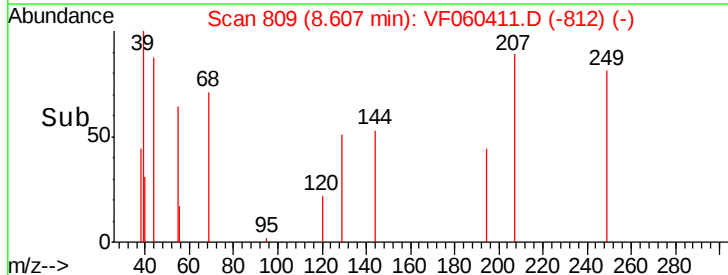
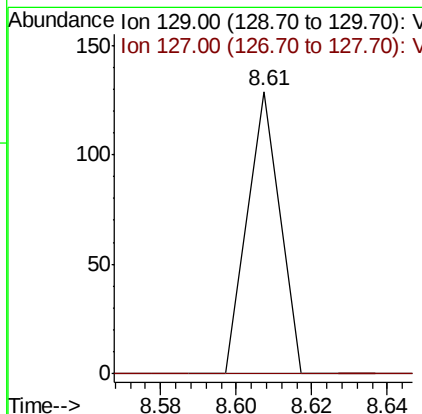
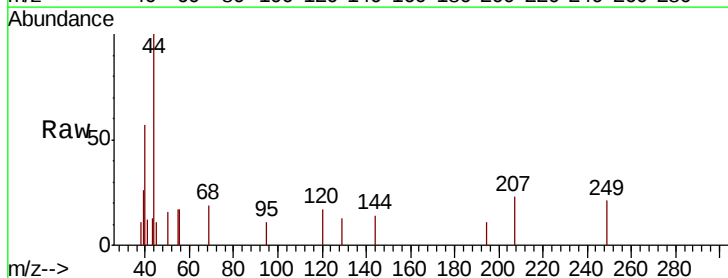
Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

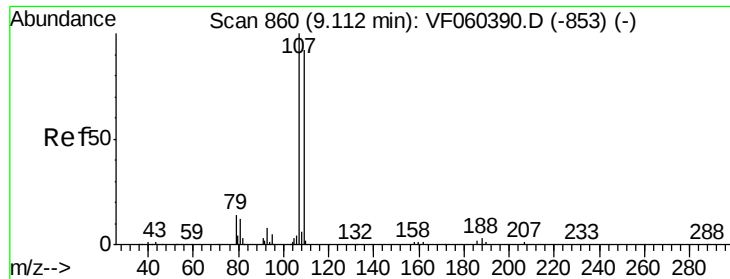
Tot Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 37.4 25.6 76.6



#60
Dibromochloromethane
Concen: 96.757 ug/l
RT: 8.61 min Scan# 809
Delta R.T. -0.23 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Tgt Ion: 129 Resp: 76
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#61

1,2-Dibromoethane

Concen: 133.139 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.11 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

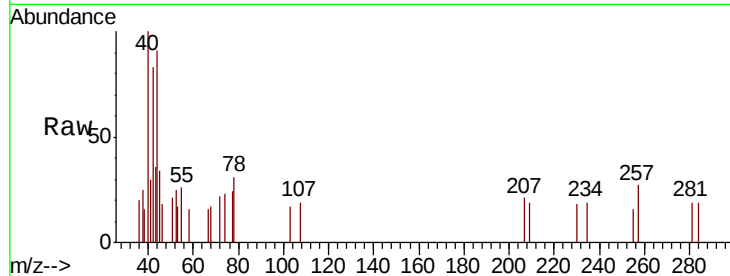
TR-04-092818

Tot Ion:107 Resp: 76

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

9.00

150

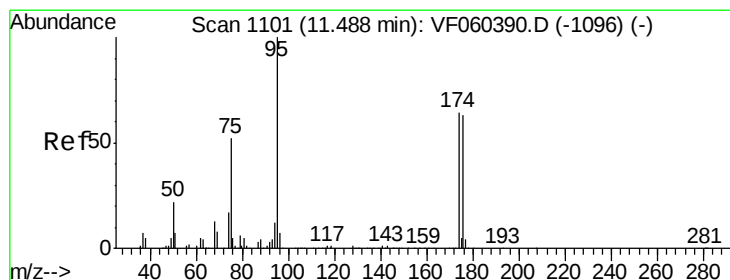
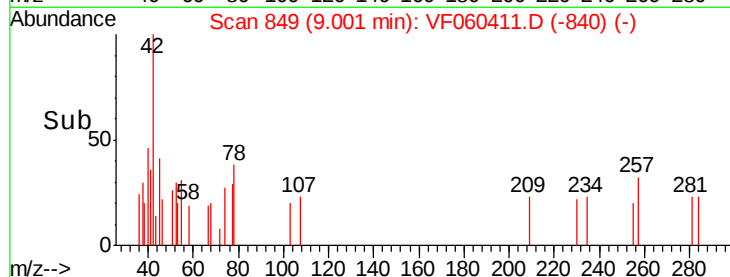
100

50

0

8.98 9.00 9.02

Time-->



#62

4-Bromofluorobenzene

Concen: 146.294 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.02 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

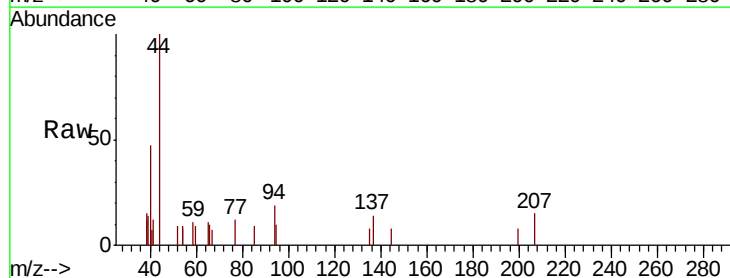
Tgt Ion: 95 Resp: 153

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

250

200

150

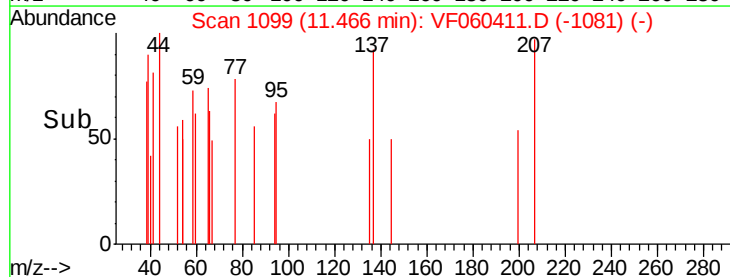
100

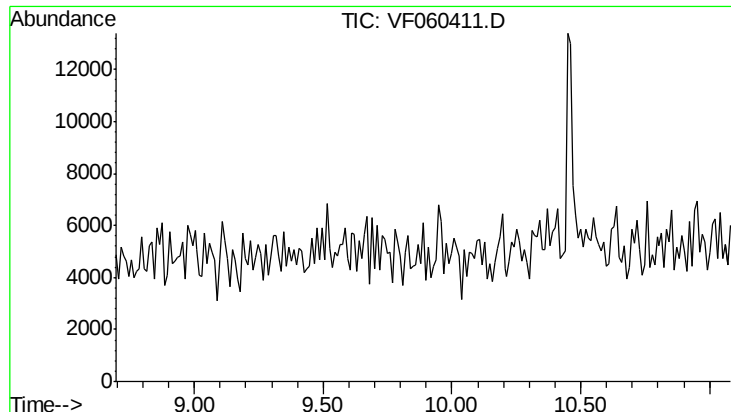
50

0

11.44 11.46 11.48

Time-->

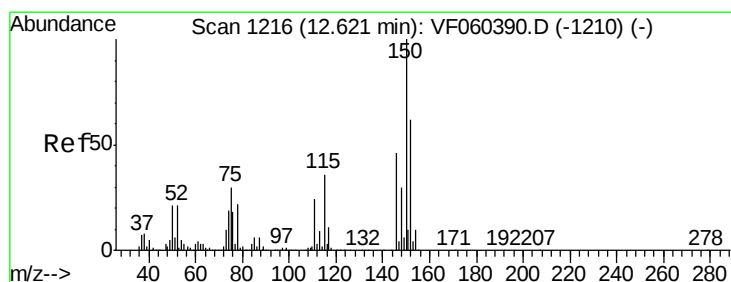
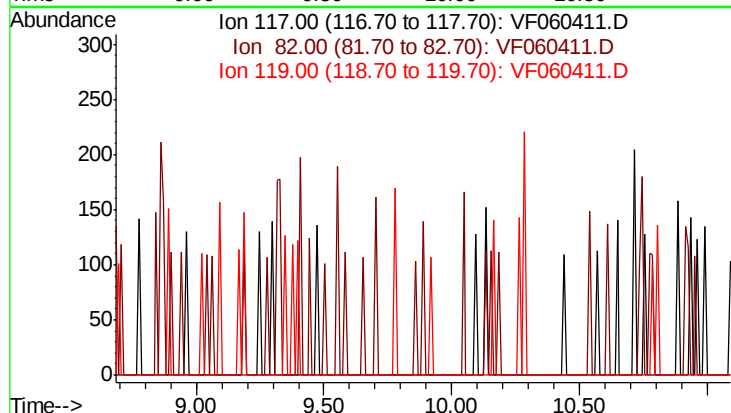




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.89 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

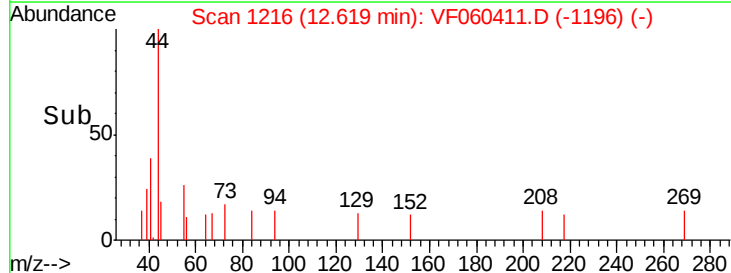
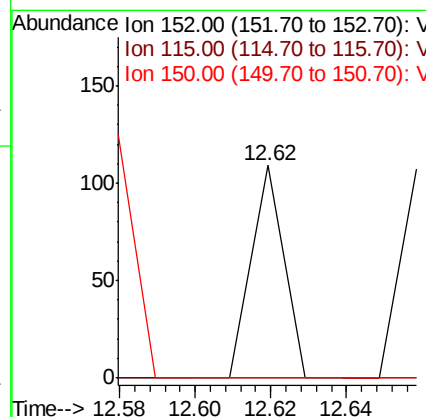
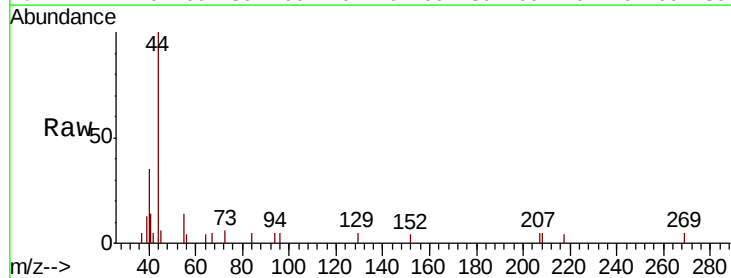
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

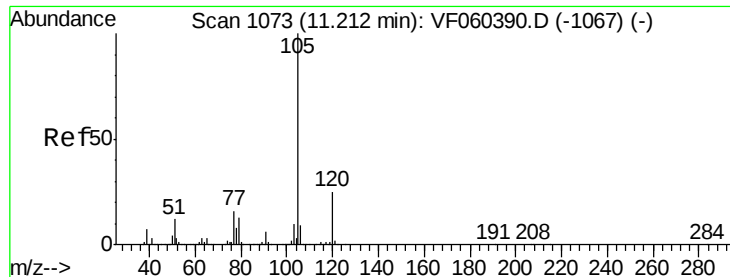
Tot Ion	117
Exp Ratio	100
82	61.9
119	33.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

Tgt Ion	152	Resp	64
Ion Ratio	100		
115	0.0	28.6	85.8#
150	0.0	0.0	324.6





#73

Isopropylbenzene

Concen: 14.090 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

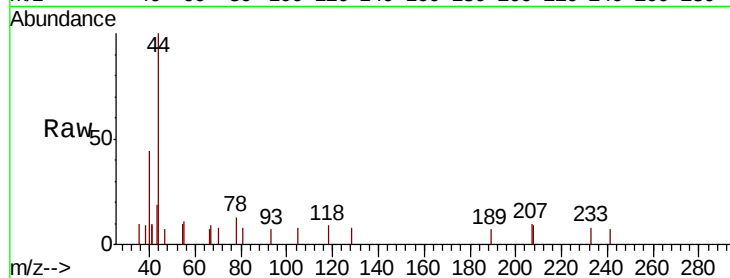
TR-04-092818

Tot Ion:105 Resp: 71

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

11.21

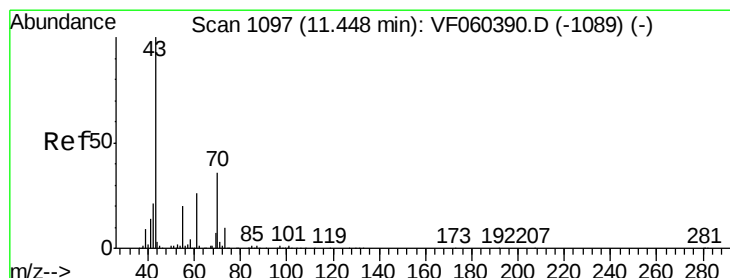
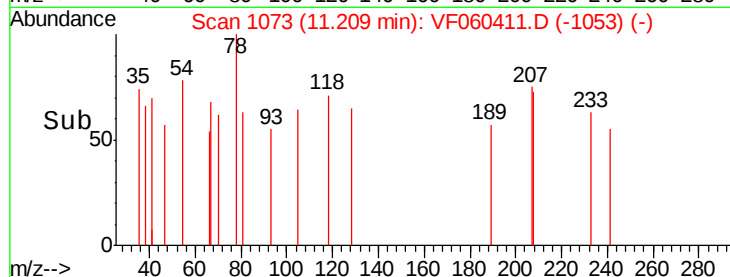
100

50

0

Time-->

11.20 11.22



#74

N-ethyl acetate

Concen: 190.225 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Tgt Ion: 43 Resp: 220

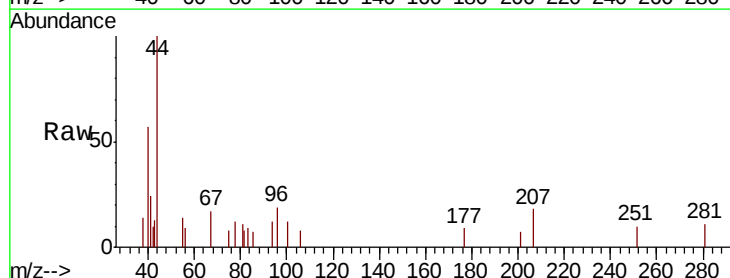
Ion Ratio Lower Upper

43 100

70 0.0 29.1 43.7#

55 102.6 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

300

250

200

150

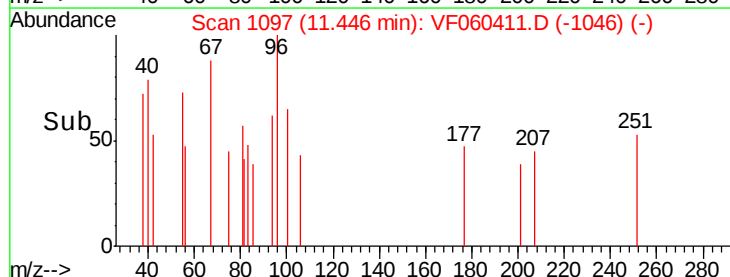
100

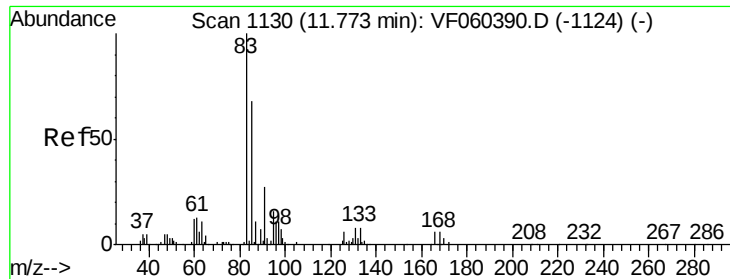
50

0

Time-->

11.44 11.46





#75

1,1,2,2-Tetrachloroethane

Concen: 166.536 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.10 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

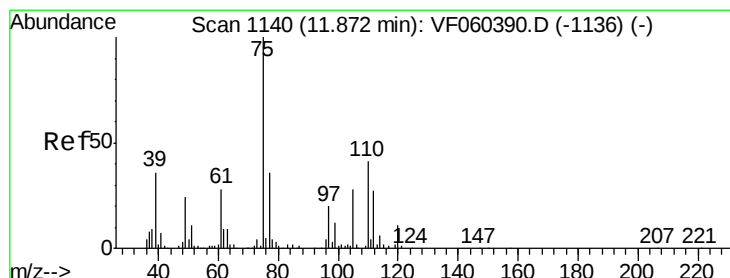
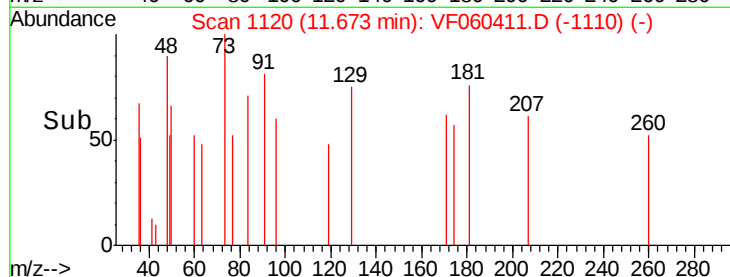
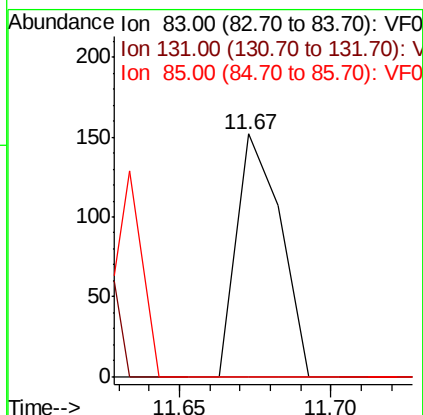
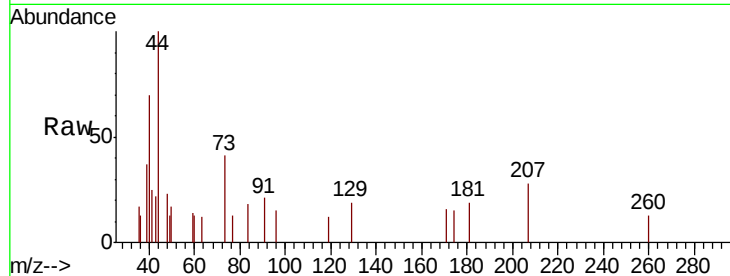
Tot Ion: 83 Resp: 153

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 34.0 102.0#



#76

1,2,3-Trichloropropane

Concen: 202.556 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. 0.07 min

Lab File: VF060411.D

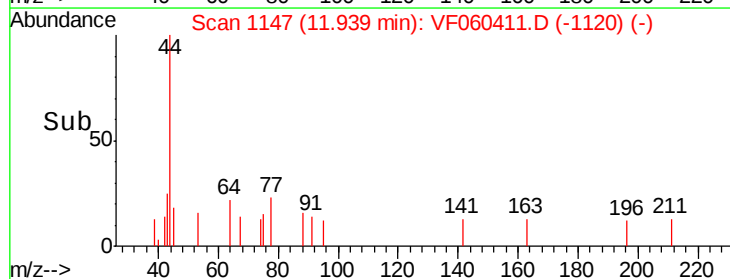
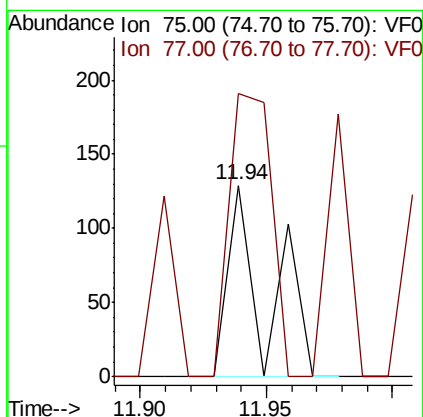
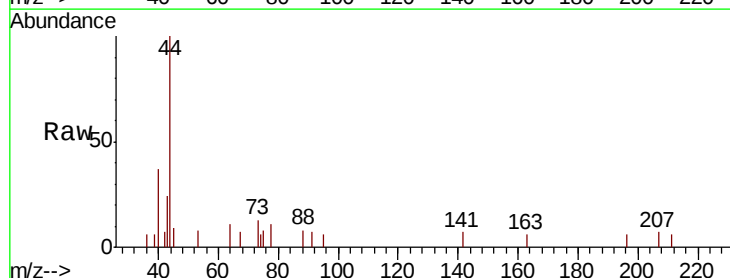
Acq: 2 Oct 2018 19:23

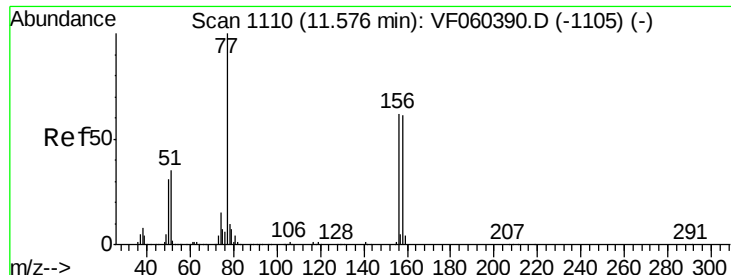
Tgt Ion: 75 Resp: 137

Ion Ratio Lower Upper

75 100

77 148.1 18.1 54.4#





#77

Bromobenzene

Concen: 60.367 ug/l

RT: 11.54 min Scan# 1107

Delta R.T. -0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

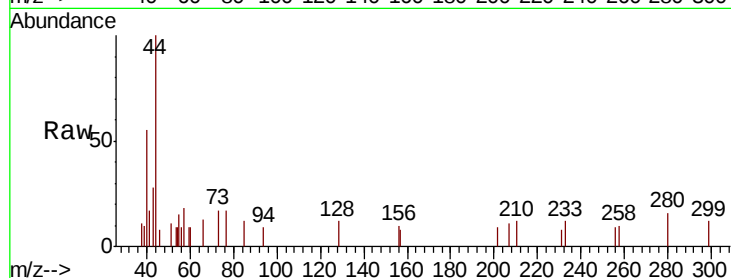
Tot Ion:156 Resp: 68

Ion Ratio Lower Upper

156 100

77 92.2 81.3 243.9

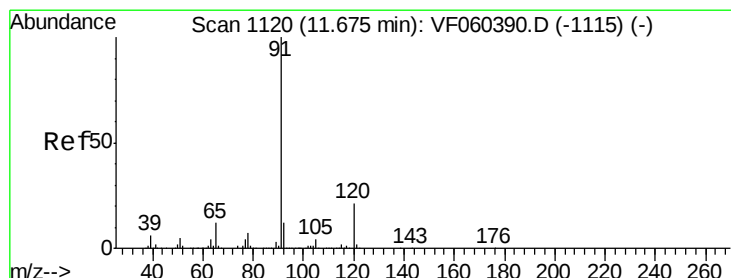
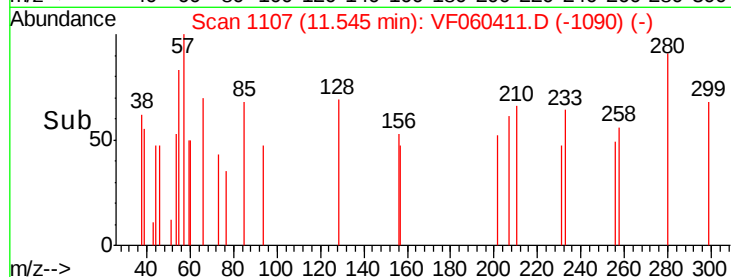
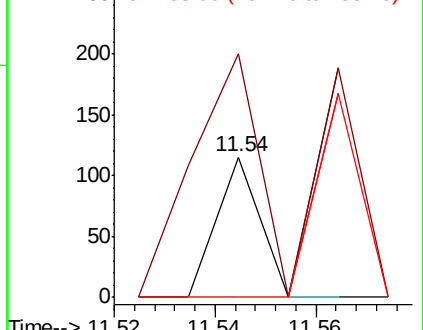
158 0.0 49.6 149.0#



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: 28.810 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060411.D

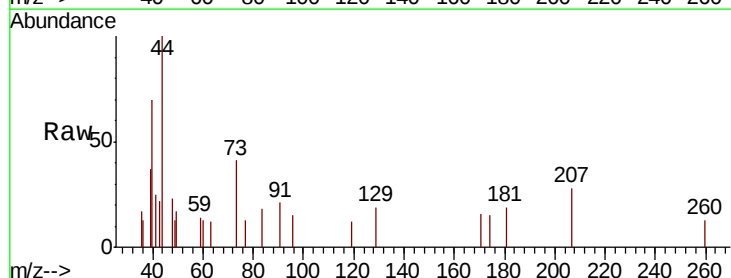
Acq: 2 Oct 2018 19:23

Tgt Ion: 91 Resp: 176

Ion Ratio Lower Upper

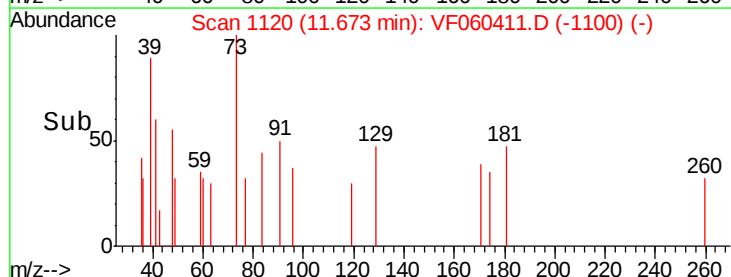
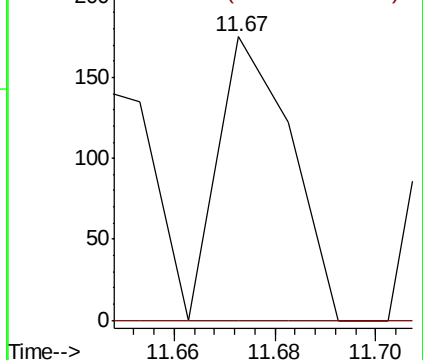
91 100

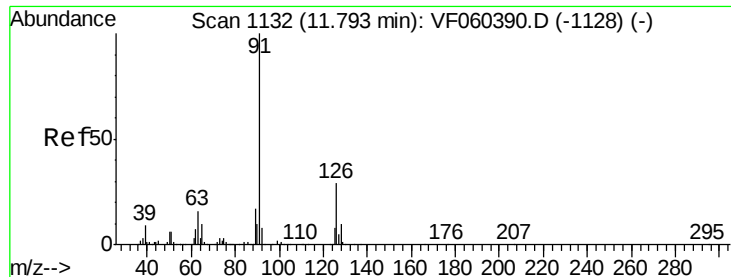
120 0.0 10.5 31.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

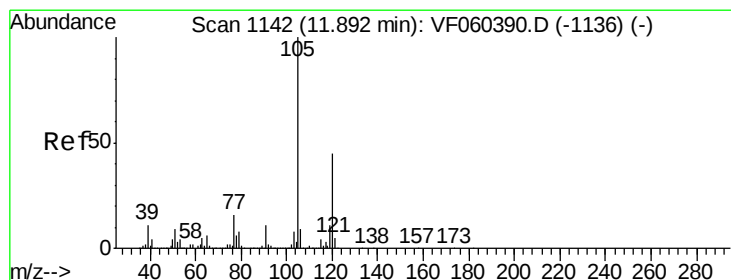
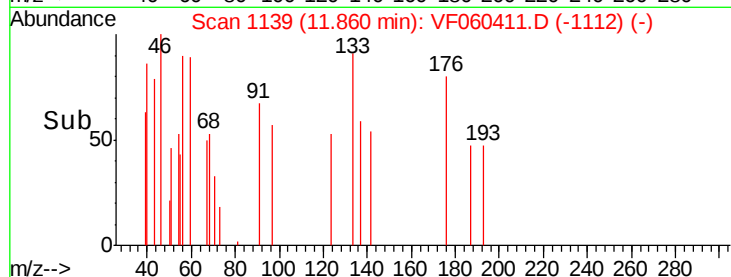
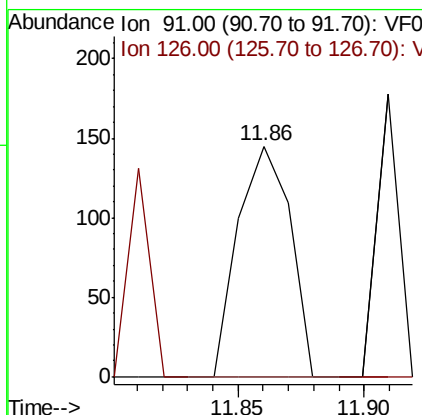
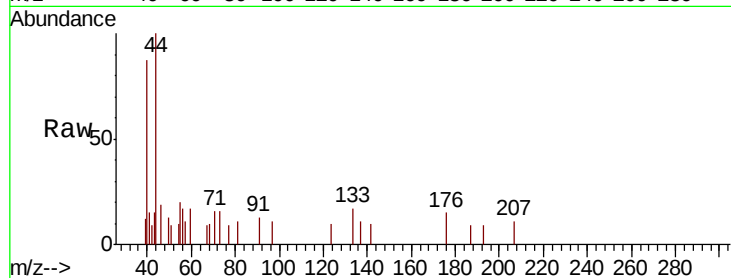




#79
 2-Chlorotoluene
 Concen: 58.486 ug/l
 RT: 11.86 min Scan# 1139
 Delta R.T. 0.07 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

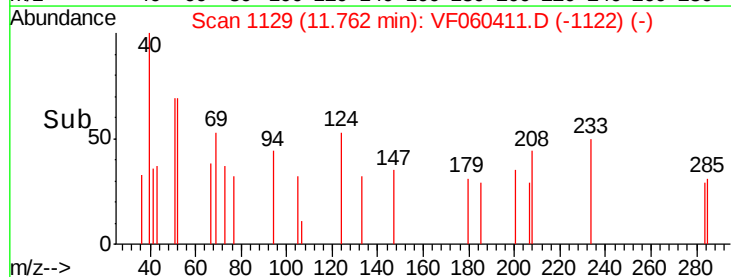
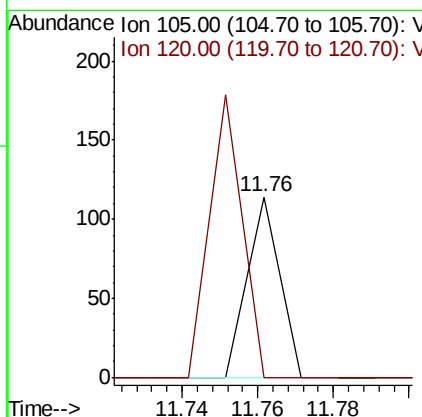
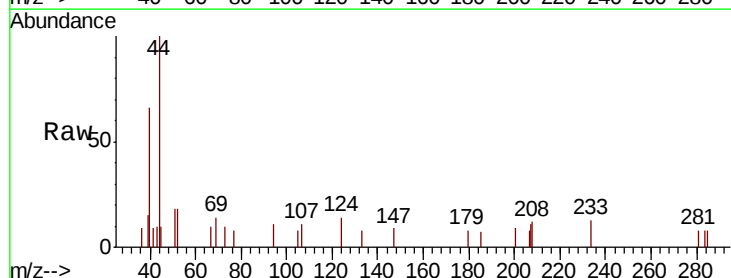
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

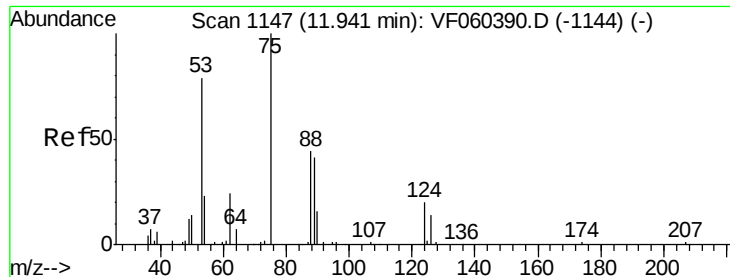
Tot Ion: 91 Resp: 209
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.4 43.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 15.649 ug/l
 RT: 11.76 min Scan# 1129
 Delta R.T. -0.13 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

Tgt Ion: 105 Resp: 67
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.3 66.9#

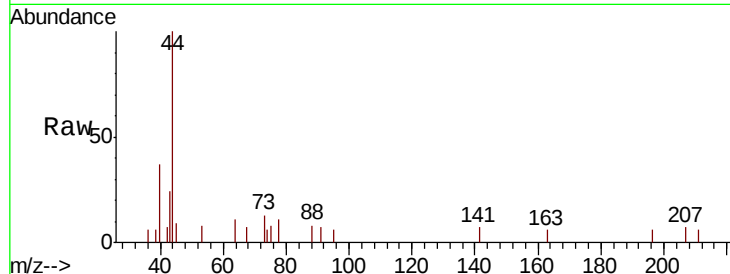




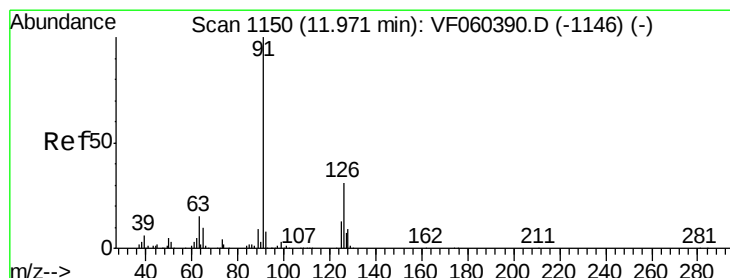
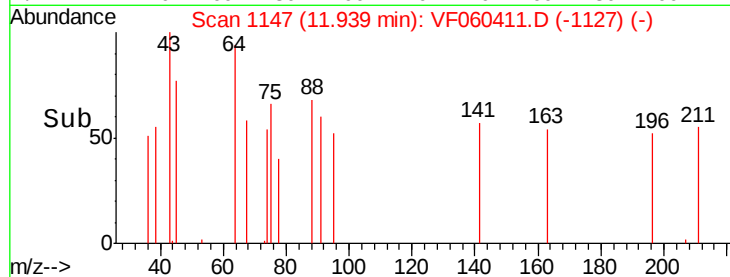
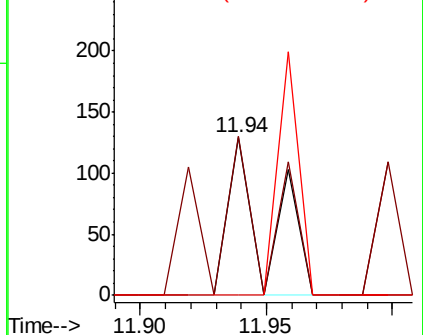
#81
trans-1,4-Dichloro-2-butene
Concen: 456.946 ug/l
RT: 11.94 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

Tot Ion: 75 Resp: 137
Ion Ratio Lower Upper
75 100
53 100.8 67.8 101.8
89 0.0 36.7 55.1#

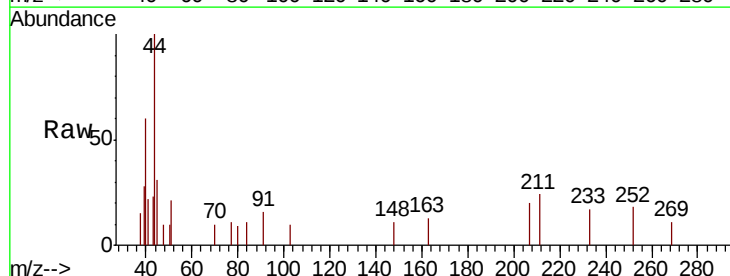


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

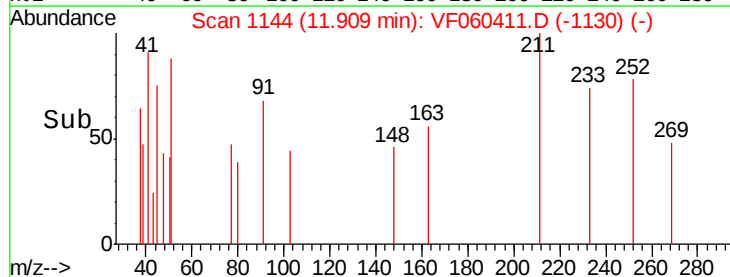
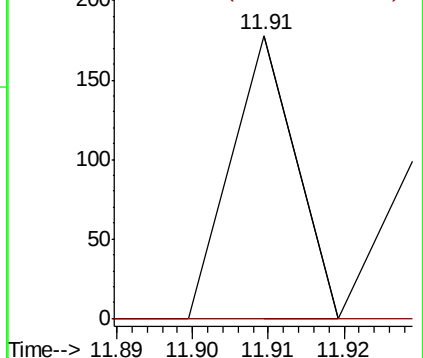


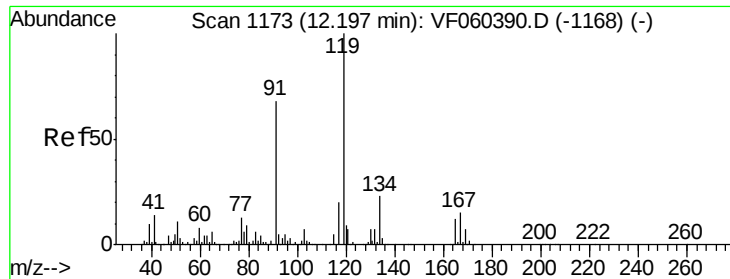
#82
4-Chlorotoluene
Concen: 28.717 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.06 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Tgt Ion: 91 Resp: 105
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: 24.865 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. 0.13 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

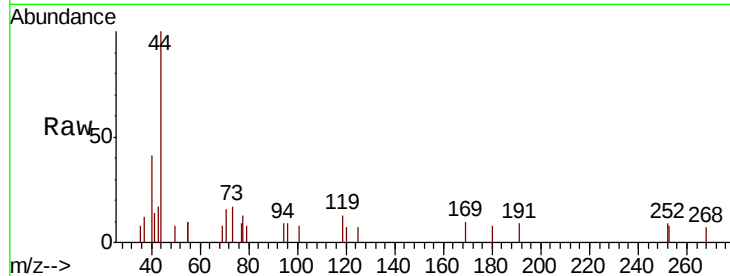
Tot Ion:119 Resp: 105

Ion Ratio Lower Upper

119 100

91 0.0 34.0 102.0#

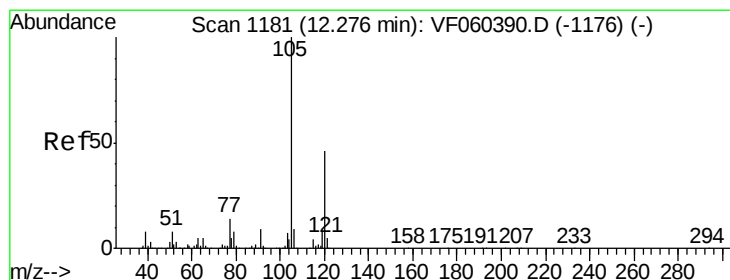
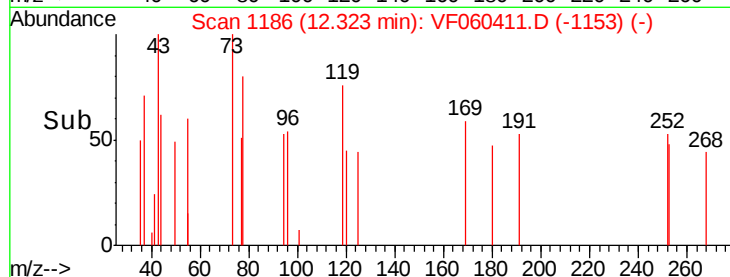
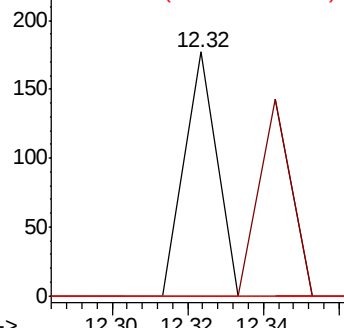
134 0.0 11.7 35.0#



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: 20.019 ug/l

RT: 12.23 min Scan# 1177

Delta R.T. -0.04 min

Lab File: VF060411.D

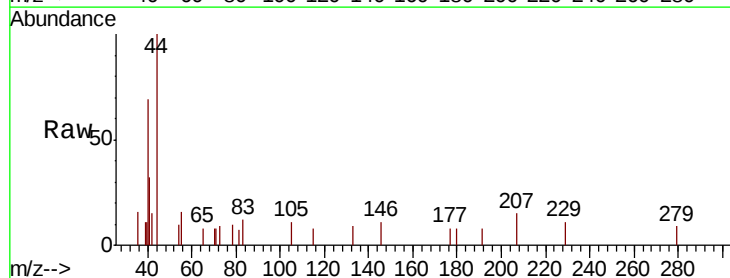
Acq: 2 Oct 2018 19:23

Tgt Ion:105 Resp: 85

Ion Ratio Lower Upper

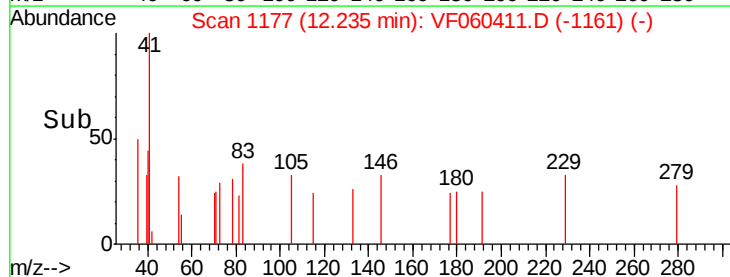
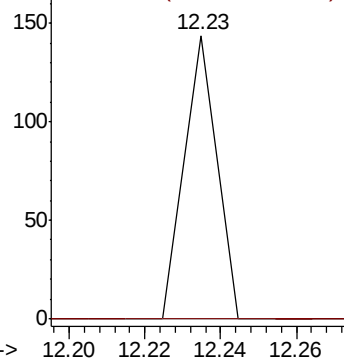
105 100

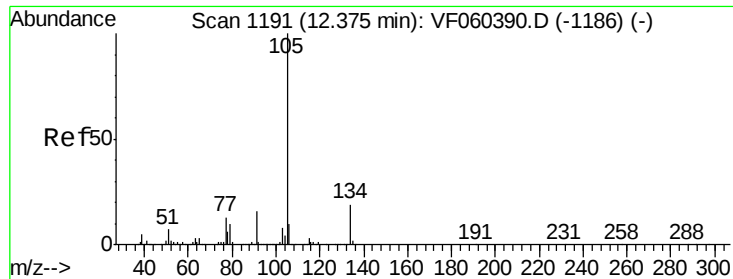
120 0.0 23.1 69.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.980 ug/l

RT: 12.34 min Scan# 1188

Delta R.T. -0.03 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

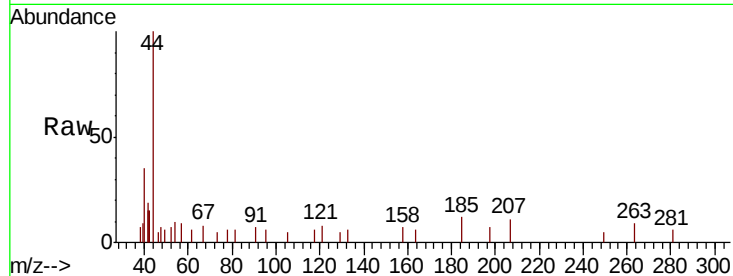
TR-04-092818

Tot Ion:105 Resp: 64

Ion Ratio Lower Upper

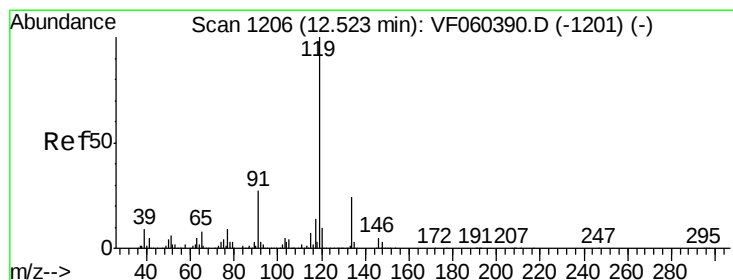
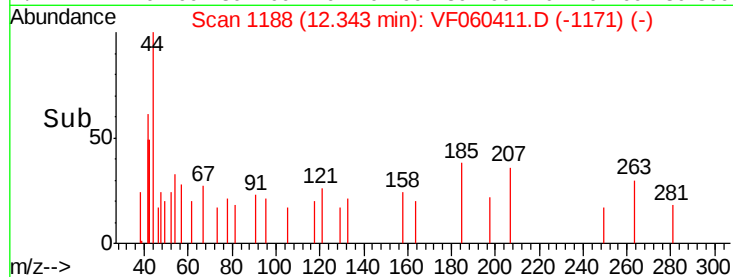
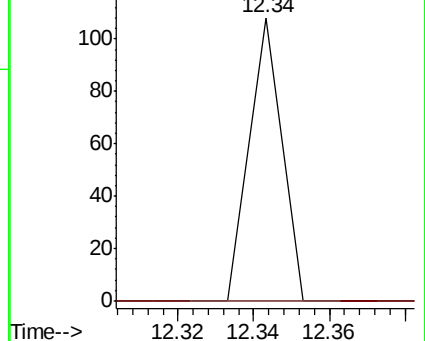
105 100

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



#86

p-Isopropyltoluene

Concen: 12.600 ug/l

RT: 12.65 min Scan# 1219

Delta R.T. 0.13 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

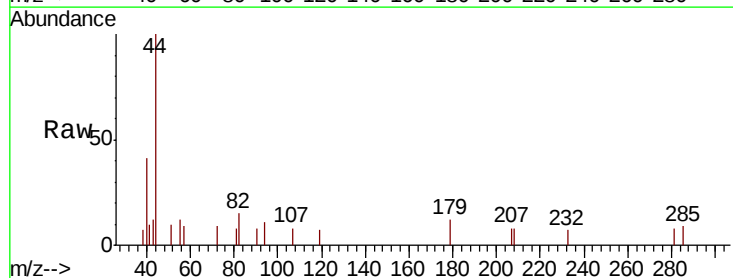
Tgt Ion:119 Resp: 60

Ion Ratio Lower Upper

119 100

134 0.0 12.3 36.8#

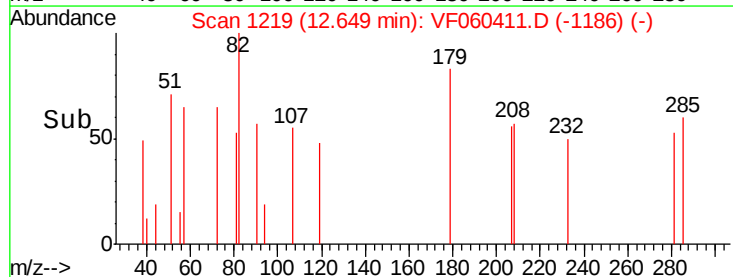
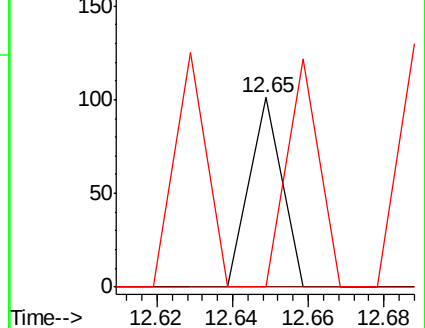
91 0.0 13.5 40.4#

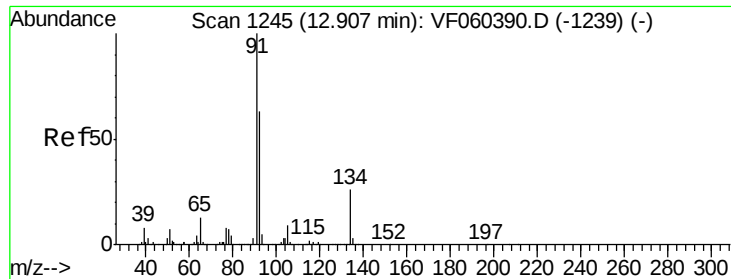


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 19.051 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

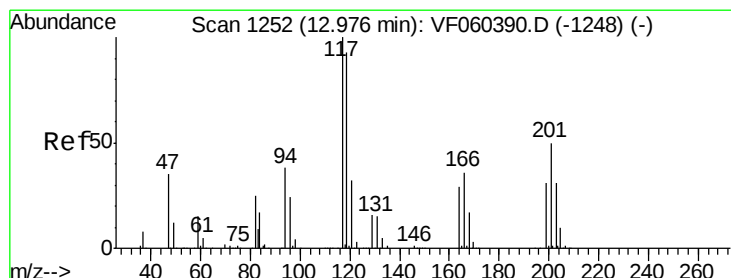
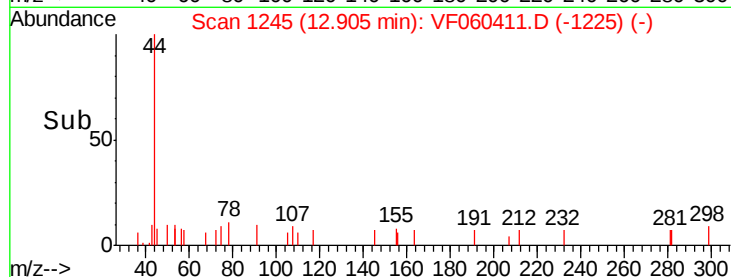
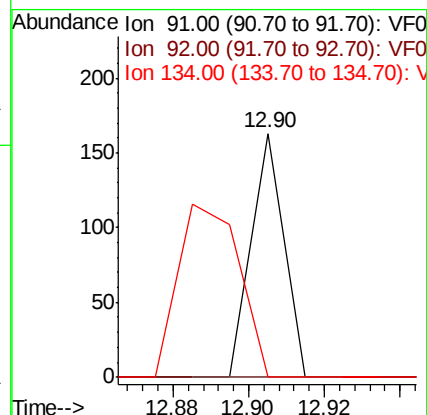
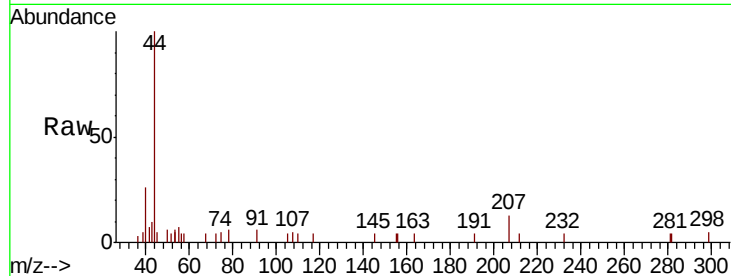
Tot Ion: 91 Resp: 96

Ion Ratio Lower Upper

91 100

92 0.0 31.3 93.9#

134 0.0 13.0 38.9#



#90

Hexachloroethane

Concen: 256.750 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VF060411.D

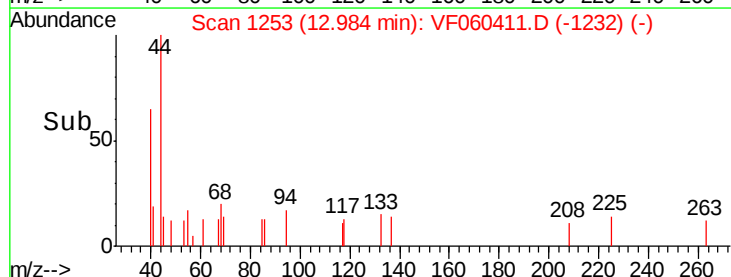
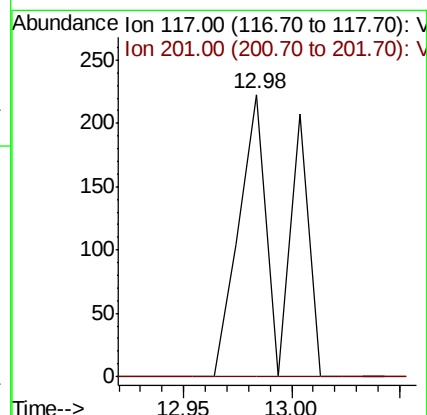
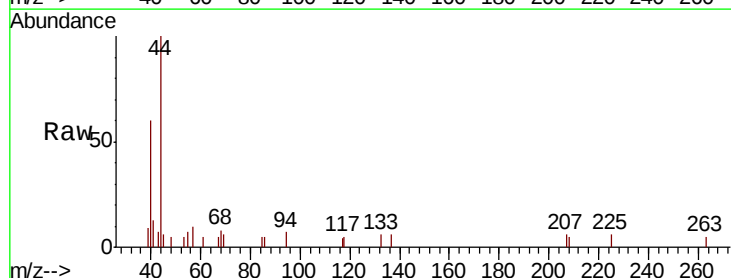
Acq: 2 Oct 2018 19:23

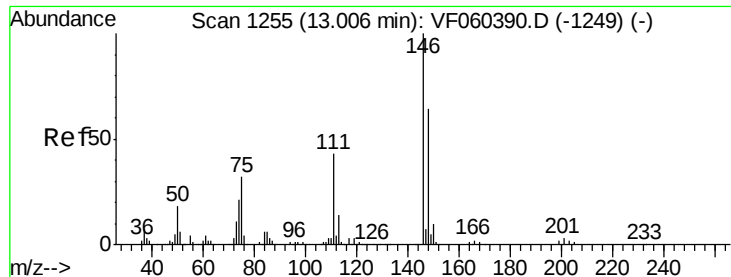
Tgt Ion: 117 Resp: 316

Ion Ratio Lower Upper

117 100

201 0.0 25.5 76.5#





#91

1,2-Dichlorobenzene

Concen: 36.436 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

TR-04-092818

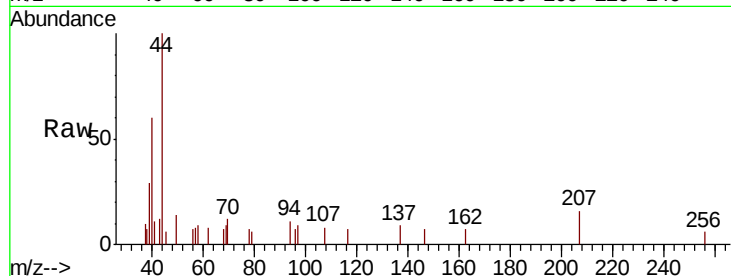
Tot Ion:146 Resp: 74

Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

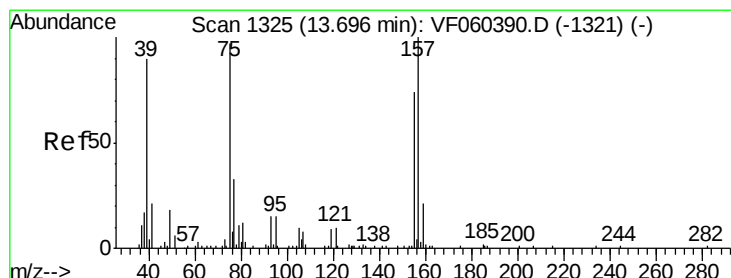
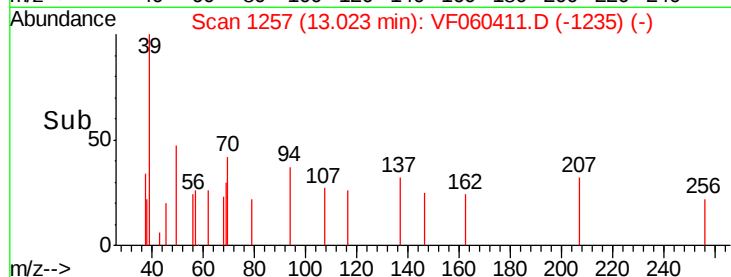
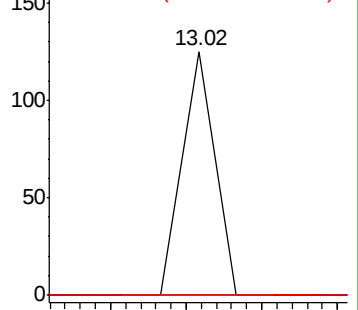
148 0.0 32.2 96.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 393.027 ug/l

RT: 13.63 min Scan# 1319

Delta R.T. -0.06 min

Lab File: VF060411.D

Acq: 2 Oct 2018 19:23

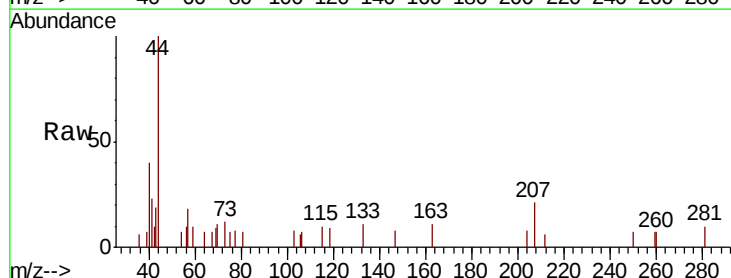
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 0.0 37.9 113.6#

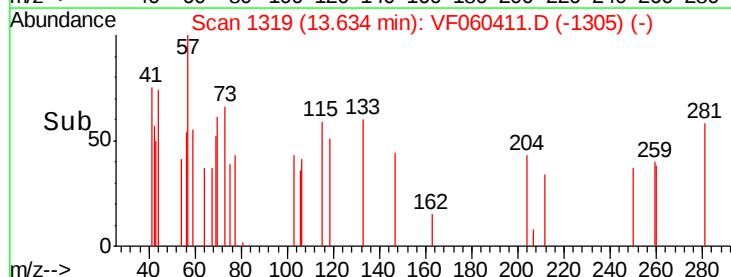
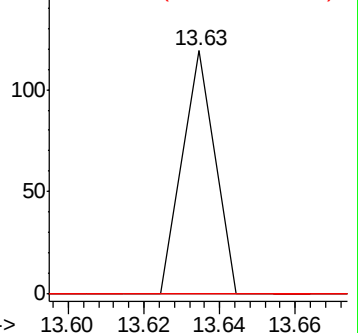
157 0.0 51.3 154.0#

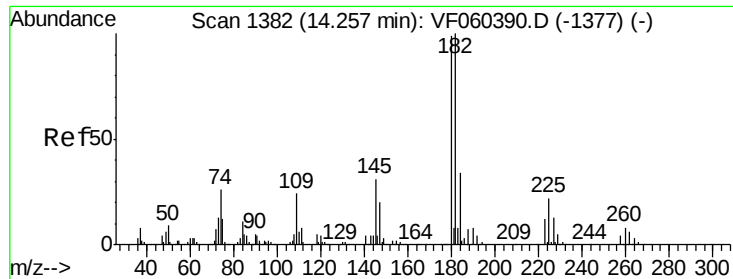


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

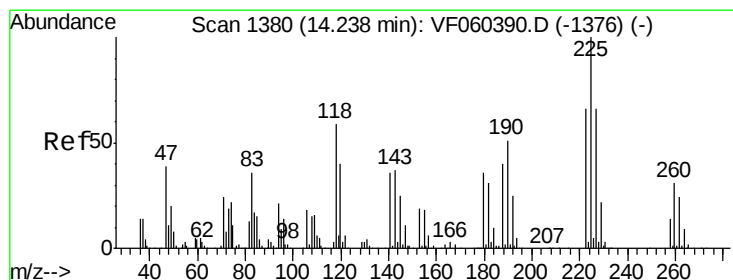
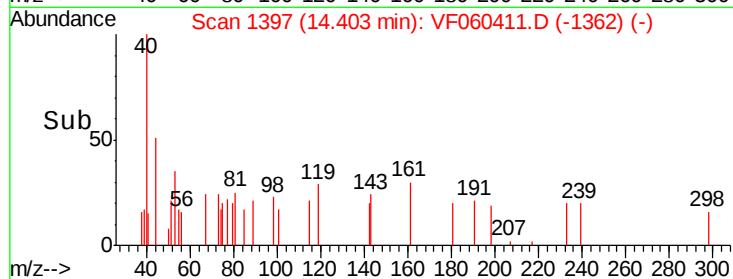
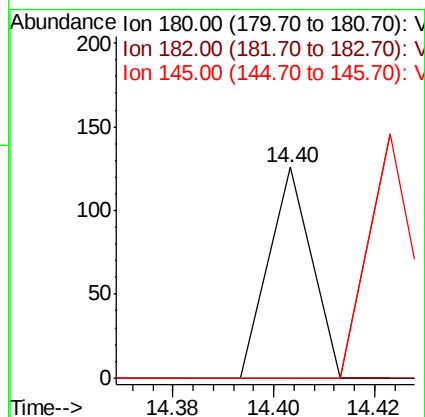
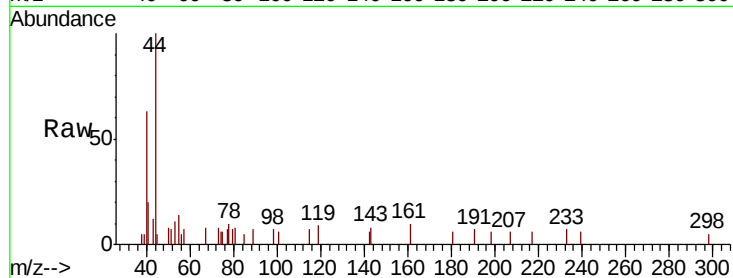




#93
 1,2,4-Trichlorobenzene
 Concen: 49.407 ug/l
 RT: 14.40 min Scan# 1397
 Delta R.T. 0.15 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

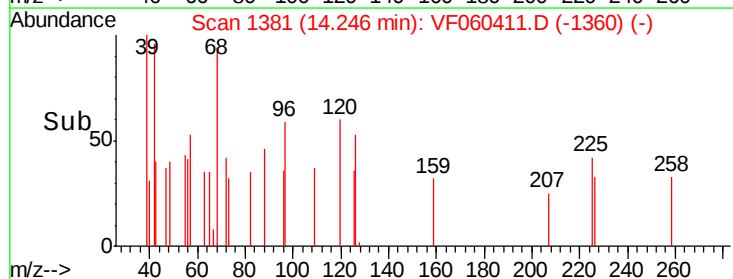
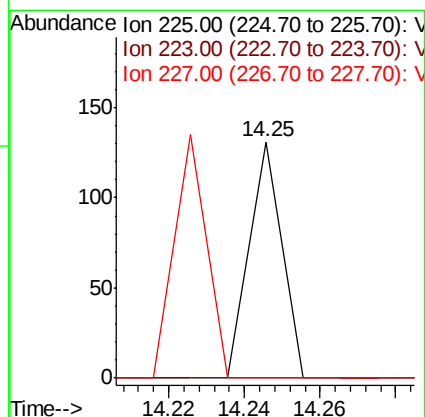
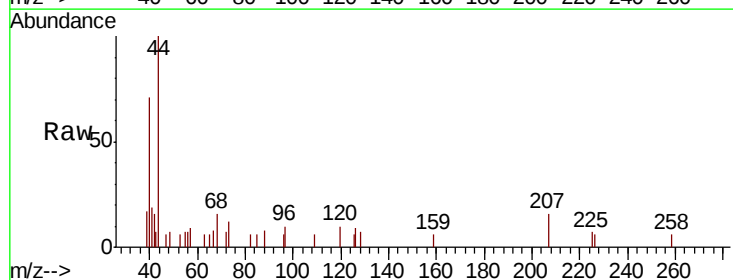
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-092818

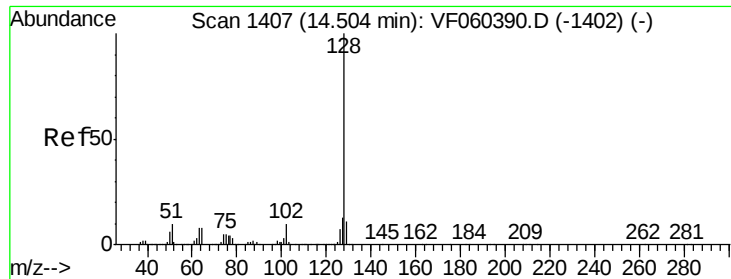
Tot Ion:180 Resp: 75
 Ion Ratio Lower Upper
 180 100
 182 0.0 50.3 150.9#
 145 0.0 15.5 46.5#



#94
 Hexachlorobutadiene
 Concen: 72.677 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060411.D
 Acq: 2 Oct 2018 19:23

Tgt Ion:225 Resp: 77
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.8 98.4#
 227 0.0 33.0 99.0#





#95
Naphthalene
Concen: 43.108 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060411.D
Acq: 2 Oct 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
TR-04-092818

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

