

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060544.D
 Acq On : 30 Oct 2018 14:54
 Operator : VA/AP
 Sample : J5711-01
 Misc : 5.08/5mL/MSVOA_F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-1

Quant Time: Oct 31 04:49:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	777	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.97	117	64	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	240	20.03	ug/l	0.04
Spiked Amount	50.000		Recovery	=	40.06%	
35) Dibromofluoromethane	4.28	113	93	11.17	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	22.34%	
50) Toluene-d8	7.72	98	195	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	
62) 4-Bromofluorobenzene	11.50	95	60	6.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	12.80%	

Target Compounds						Qvalue
3) Chloromethane	1.10	50	216	25.47	ug/l #	46
4) Vinyl Chloride	1.24	62	166	17.82	ug/l #	43
5) Bromomethane	1.33	94	297	40.57	ug/l #	4
6) Chloroethane	1.40	64	74	15.26	ug/l #	1
7) Trichlorofluoromethane	1.57	101	140	6.24	ug/l #	18
8) Diethyl Ether	1.66	74	76	27.00	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.88	101	77	6.82	ug/l #	22
10) Methyl Iodide	1.94	142	64	3.77	ug/l #	20
11) Tert butyl alcohol	2.72	59	190	387.75	ug/l #	71
12) 1,1-Dichloroethene	1.94	96	116	13.28	ug/l #	35
13) Acrolein	2.16	56	60	136.52	ug/l #	61
14) Allyl chloride	2.13	41	1107	79.73	ug/l #	40
15) Acrylonitrile	3.09	53	345	287.88	ug/l #	41
16) Acetone	2.35	43	80	26.09	ug/l #	62
17) Carbon Disulfide	1.98	76	60	2.44	ug/l #	73
18) Methyl Acetate	2.49	43	166	45.42	ug/l #	61
19) Methyl tert-butyl Ether	2.55	73	59	3.02	ug/l #	59
20) Methylene Chloride	2.31	84	68	7.77	ug/l #	1
21) trans-1,2-Dichloroethene	2.57	96	241	26.99	ug/l #	1
22) Diisopropyl ether	2.94	45	145	5.75	ug/l #	48
23) Vinyl Acetate	3.37	43	98	10.48	ug/l #	78
24) 1,1-Dichloroethane	2.89	63	86	4.73	ug/l #	1
25) 2-Butanone	4.53	43	129	21.34	ug/l #	54
26) 2,2-Dichloropropane	3.78	77	351	31.04	ug/l #	61
27) cis-1,2-Dichloroethene	3.63	96	63	5.85	ug/l	1
28) Bromochloromethane	4.05	49	88	13.42	ug/l	98
29) Tetrahydrofuran	4.28	42	199	195.69	ug/l #	34
30) Chloroform	3.96	83	64	2.78	ug/l #	1
31) Cyclohexane	3.89	56	137	10.54	ug/l #	1
32) 1,1,1-Trichloroethane	4.32	97	95	5.00	ug/l #	23
36) 1,1-Dichloropropene	4.52	75	161	14.89	ug/l #	44
37) Ethyl Acetate	4.34	43	338	96.54	ug/l #	1
38) Carbon Tetrachloride	4.23	117	62	4.79	ug/l #	12
39) Methylcyclohexane	5.64	83	594	54.39	ug/l #	60

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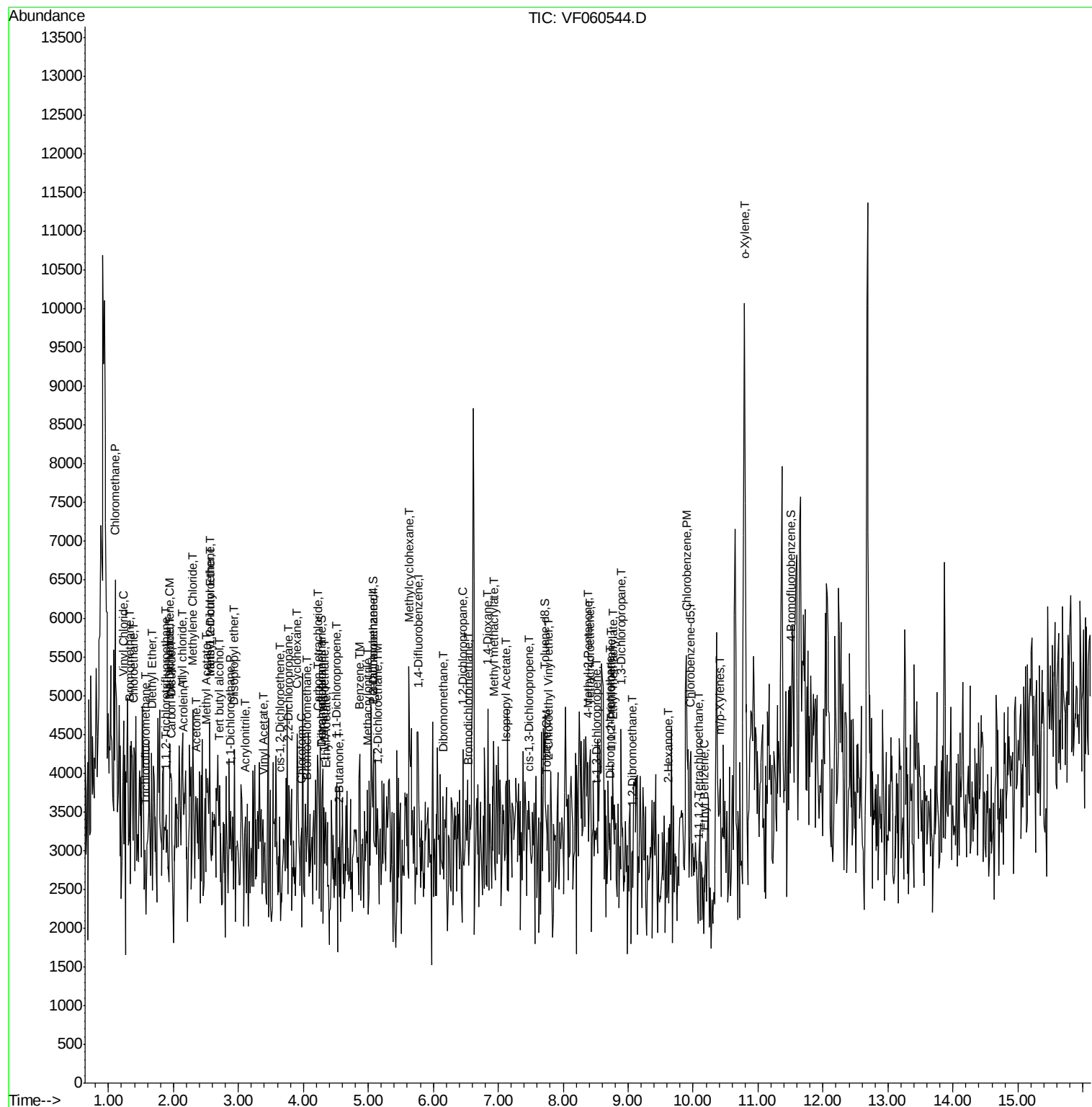
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.86	78	65	3.03	ug/l #	52
41) Methacrylonitrile	4.98	41	341	170.39	ug/l #	23
42) 1,2-Dichloroethane	5.15	62	60	6.02	ug/l	78
43) Isopropyl Acetate	7.11	43	251	59.23	ug/l #	43
45) 1,2-Dichloropropane	6.46	63	108	20.18	ug/l #	42
46) Dibromomethane	6.15	93	163	38.78	ug/l #	9
47) Bromodichloromethane	6.54	83	70	6.49	ug/l #	24
48) Methyl methacrylate	6.93	41	186	63.63	ug/l	96
49) 1,4-Dioxane	6.83	88	69	2537.51	ug/l #	12
51) 4-Methyl-2-Pentanone	8.39	43	140	45.61	ug/l #	35
52) Toluene	7.75	92	111	7.97	ug/l #	1
53) t-1,3-Dichloropropene	8.51	75	117	13.89	ug/l #	44
54) cis-1,3-Dichloropropene	7.49	75	170	17.03	ug/l #	79
55) 1,1,2-Trichloroethane	8.73	97	73	17.50	ug/l #	47
56) Ethyl methacrylate	8.77	69	793	169.39	ug/l #	51
57) 1,3-Dichloropropane	8.90	76	65	9.21	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.77	63	67	138.86	ug/l	100
59) 2-Hexanone	9.62	43	202	85.80	ug/l #	29
60) Dibromochloromethane	8.71	129	96	14.28	ug/l #	10
61) 1,2-Dibromoethane	9.06	107	77	15.94	ug/l #	60
64) Tetrachloroethene	8.41	164	80	147.87	ug/l #	1
65) Chlorobenzene	9.90	112	67	52.03	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.07	131	95	161.91	ug/l #	10
67) Ethyl Benzene	10.16	91	103	41.86	ug/l #	47
68) m/p-Xylenes	10.41	106	72	85.69	ug/l #	1
69) o-Xylene	10.80	106	106	112.02	ug/l #	1

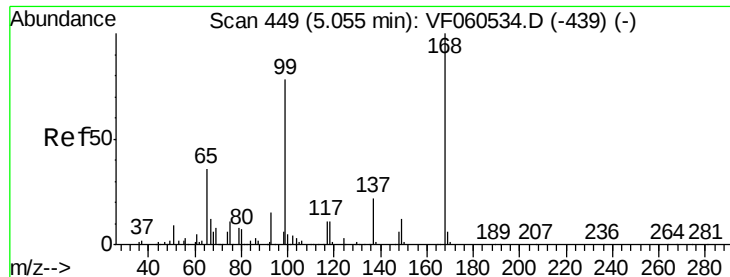
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 450

Delta R.T. 0.01 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

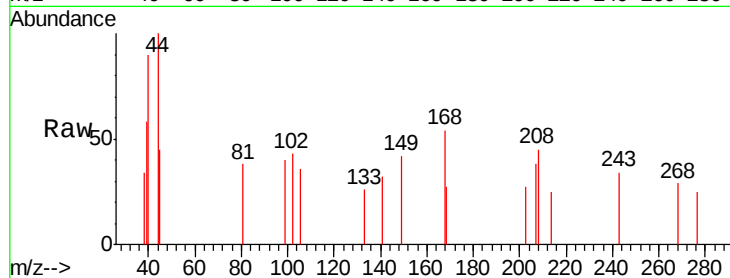
SB-1

Tgt Ion: 168 Resp: 777

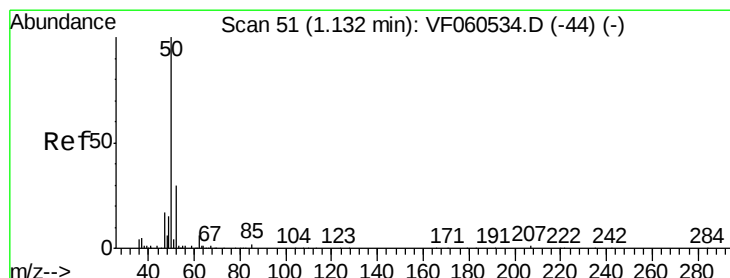
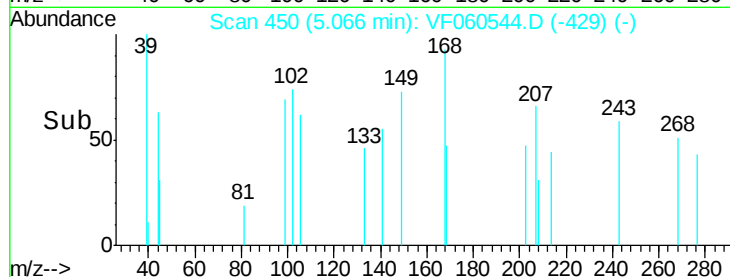
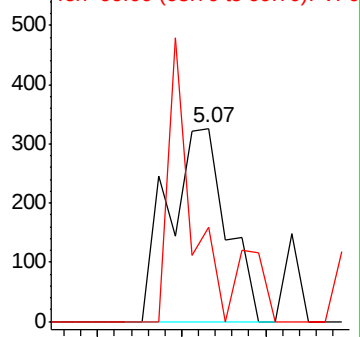
Ion Ratio Lower Upper

168 100

99 49.1 62.6 93.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 25.47 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.03 min

Lab File: VF060544.D

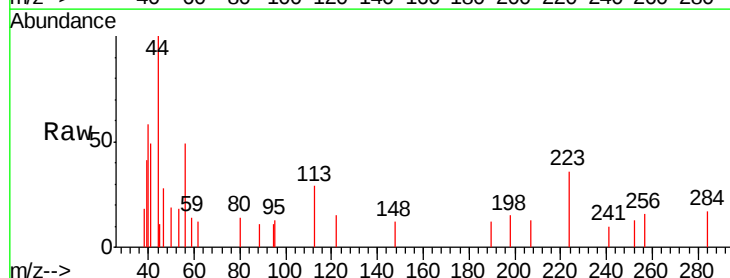
Acq: 30 Oct 2018 14:54

Tgt Ion: 50 Resp: 216

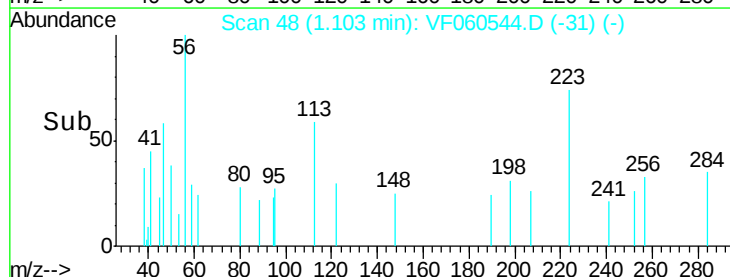
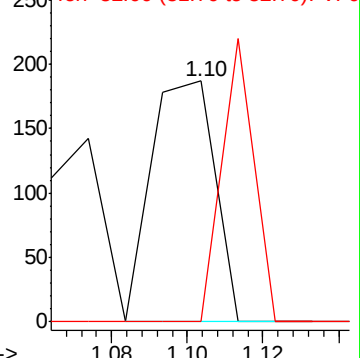
Ion Ratio Lower Upper

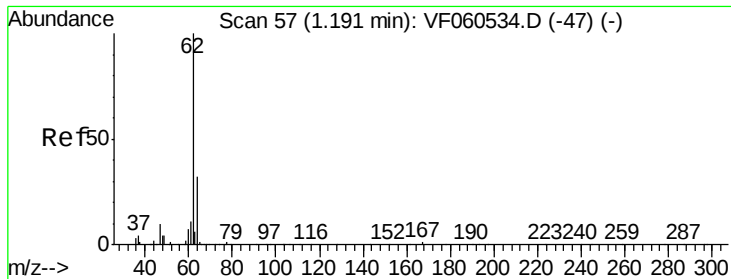
50 100

52 0.0 22.8 34.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 17.82 ug/l

RT: 1.24 min Scan# 62

Delta R.T. 0.05 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

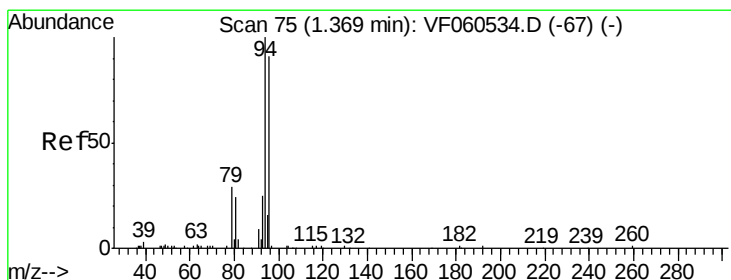
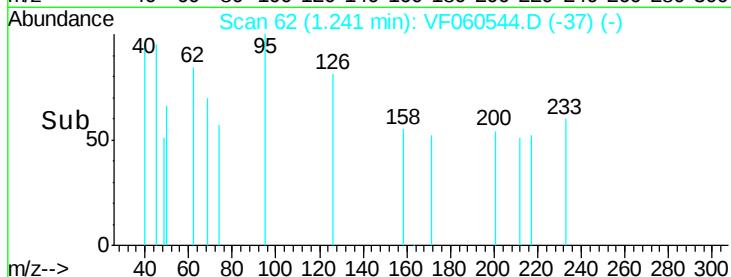
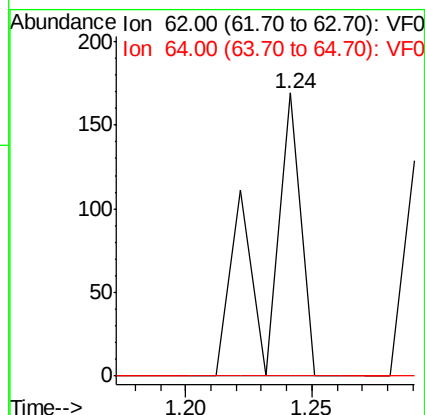
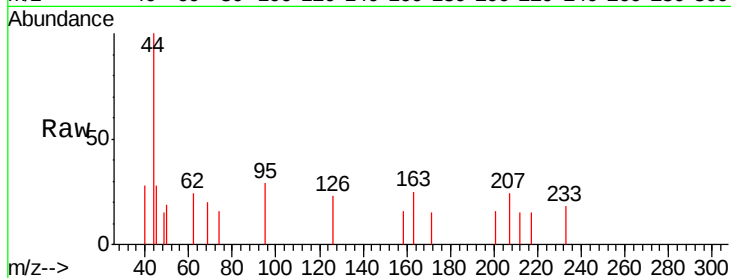
SB-1

Tgt Ion: 62 Resp: 166

Ion Ratio Lower Upper

62 100

64 0.0 25.3 37.9#



#5

Bromomethane

Concen: 40.57 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.04 min

Lab File: VF060544.D

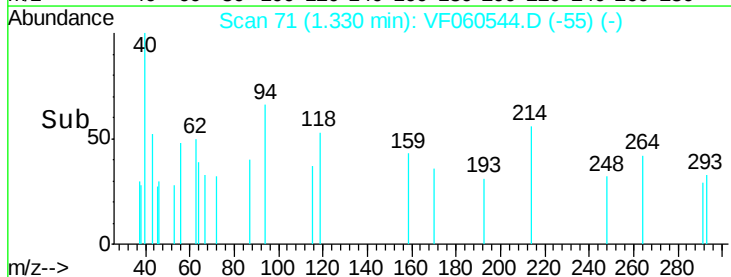
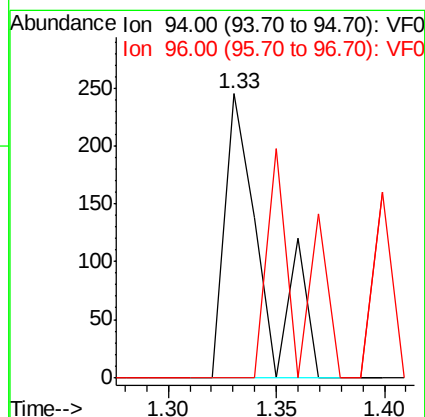
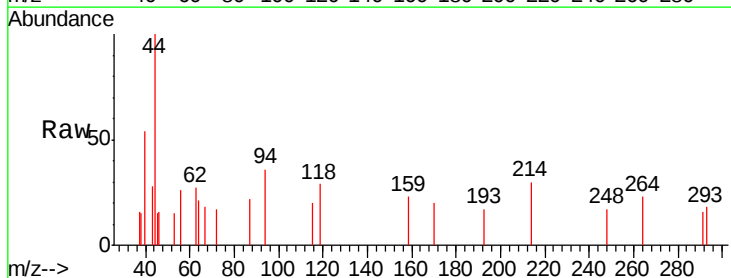
Acq: 30 Oct 2018 14:54

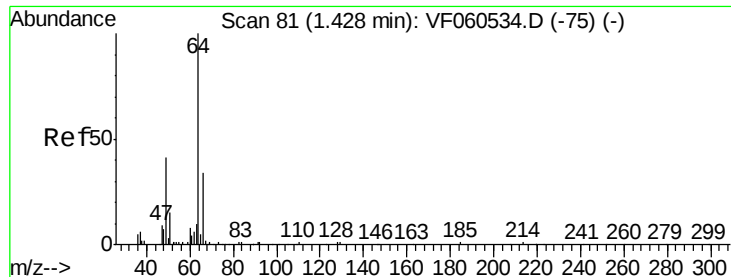
Tgt Ion: 94 Resp: 297

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#





#6

Chloroethane

Concen: 15.26 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.03 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampleId :

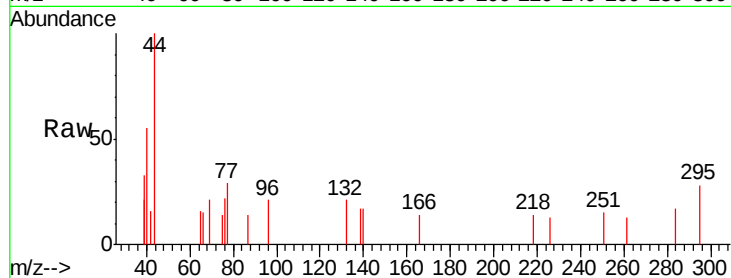
SB-1

Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 96.0 27.1 40.7#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

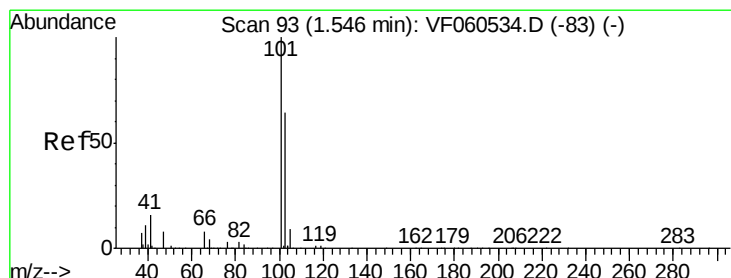
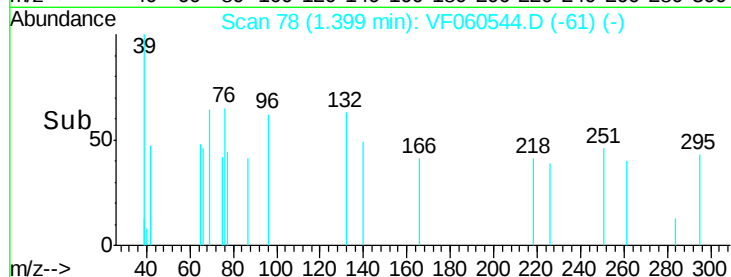
1.40

100

50

0

Time--> 1.36 1.38 1.40 1.42



#7

Trichlorofluoromethane

Concen: 6.24 ug/l

RT: 1.57 min Scan# 95

Delta R.T. 0.02 min

Lab File: VF060544.D

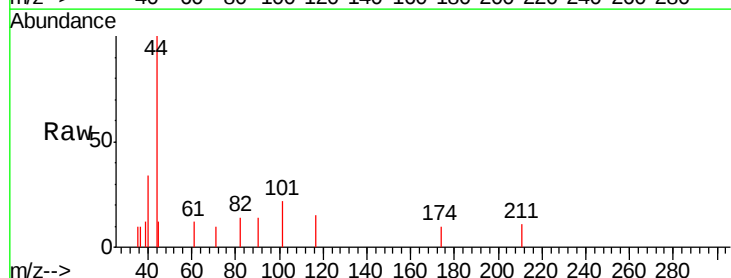
Acq: 30 Oct 2018 14:54

Tgt Ion: 101 Resp: 140

Ion Ratio Lower Upper

101 100

103 0.0 51.6 77.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.57

250

200

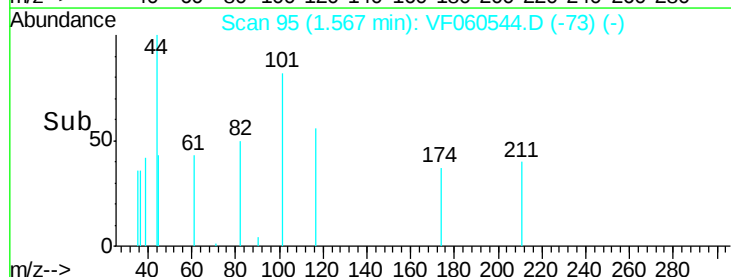
150

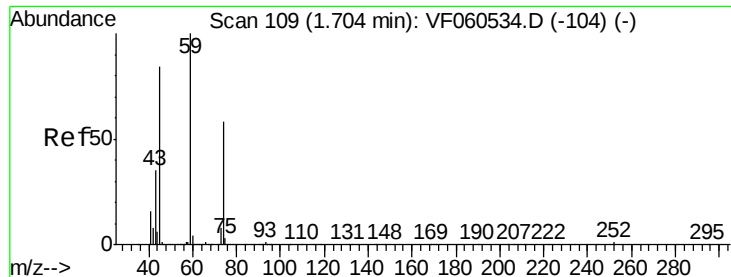
100

50

0

Time--> 1.54 1.56 1.58 1.60





#8

Diethyl Ether

Concen: 27.00 ug/l

RT: 1.66 min Scan# 104

Delta R.T. -0.05 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

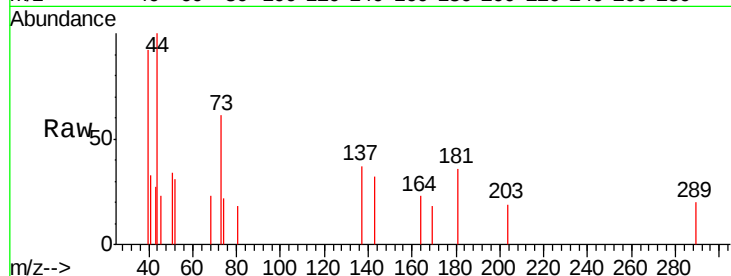
SB-1

Tgt Ion: 74 Resp: 76

Ion Ratio Lower Upper

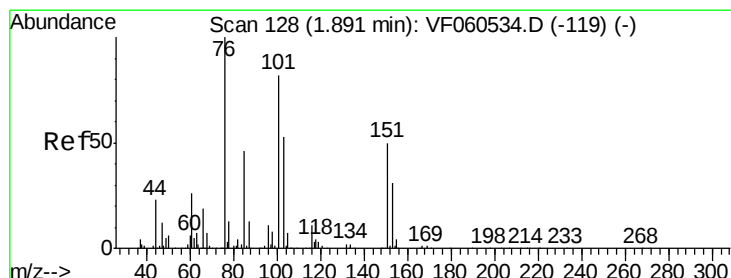
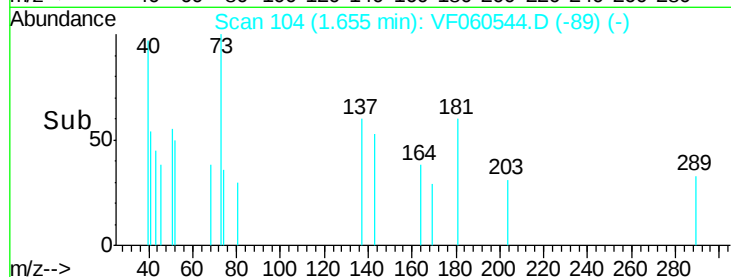
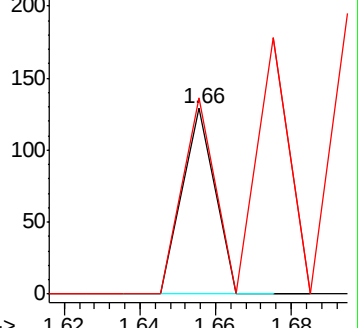
74 100

45 105.4 72.9 218.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.82 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

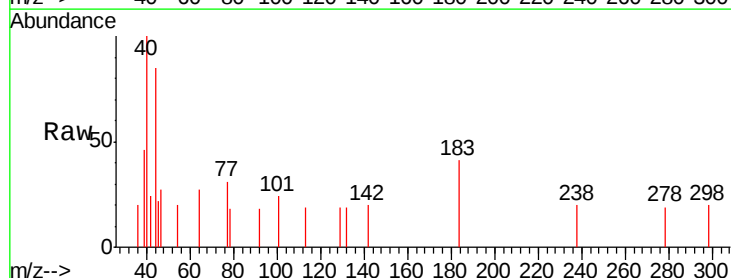
Tgt Ion: 101 Resp: 77

Ion Ratio Lower Upper

101 100

85 0.0 44.6 67.0#

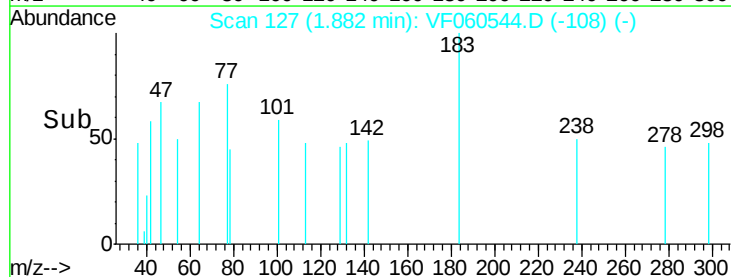
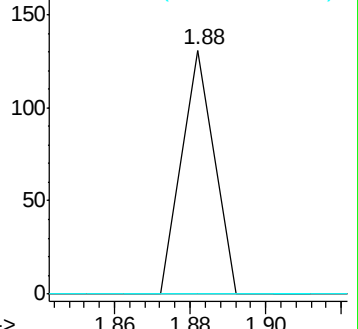
151 0.0 48.4 72.6#

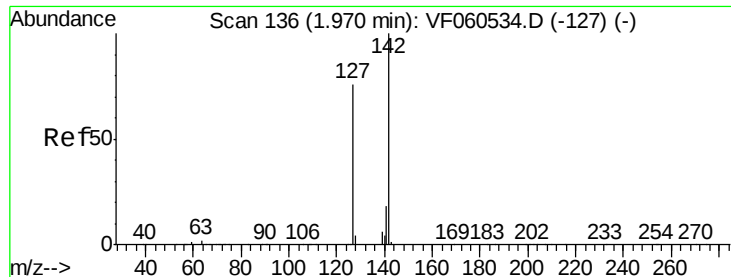


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

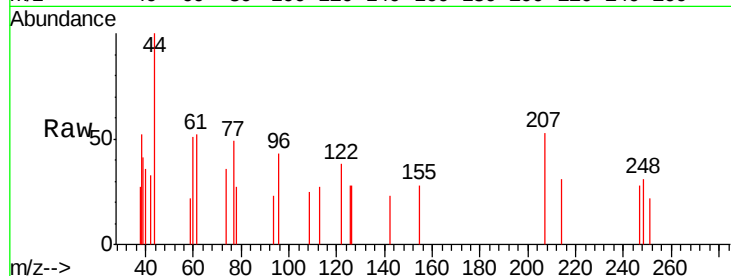




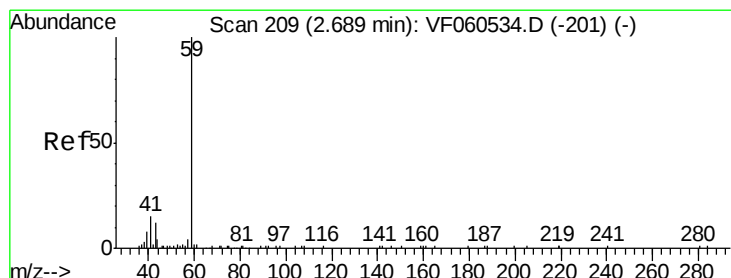
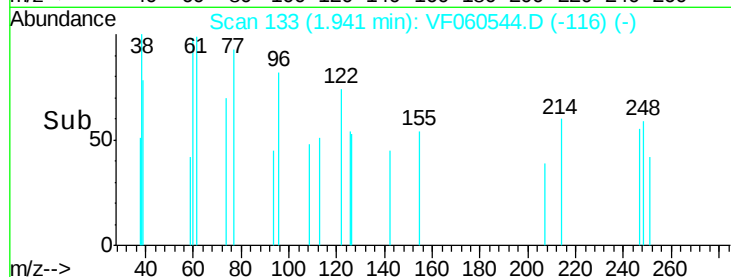
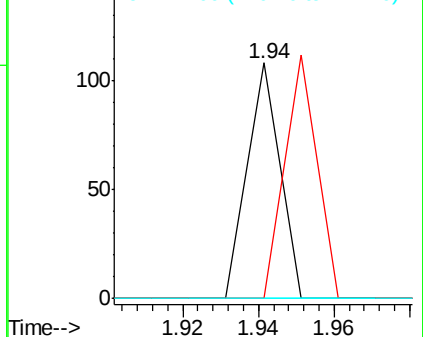
#10
Methyl Iodide
Concen: 3.77 ug/l
RT: 1.94 min Scan# 133
Delta R.T. -0.03 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion: 142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 61.2 91.8#
141 0.0 14.0 21.0#

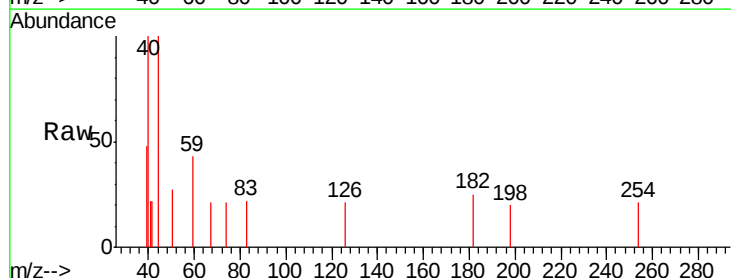


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

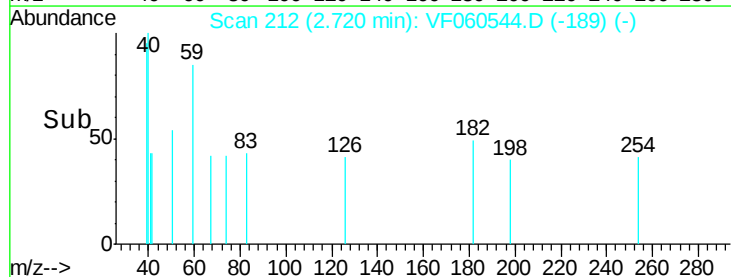
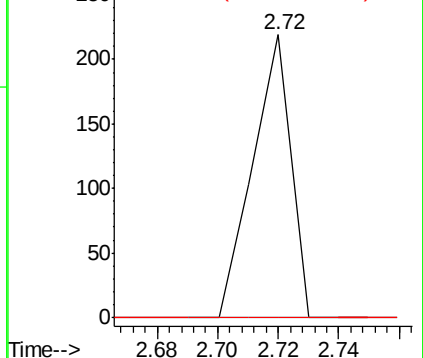


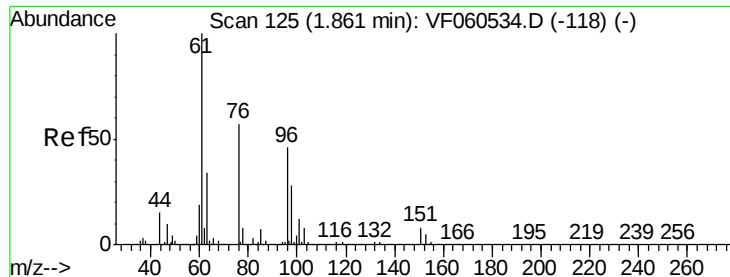
#11
Tert butyl alcohol
Concen: 387.75 ug/l
RT: 2.72 min Scan# 212
Delta R.T. 0.03 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 13.28 ug/l

RT: 1.94 min Scan# 133

Delta R.T. 0.08 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

SB-1

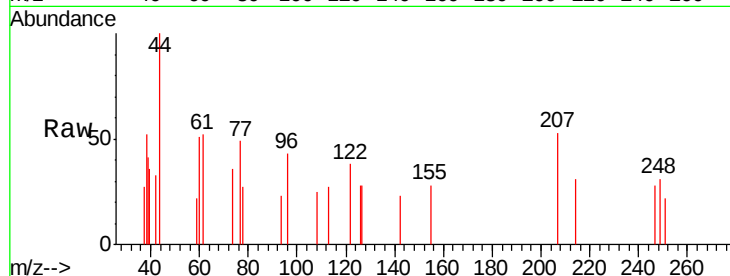
Tgt Ion: 96 Resp: 116

Ion Ratio Lower Upper

96 100

61 121.4 175.4 263.2#

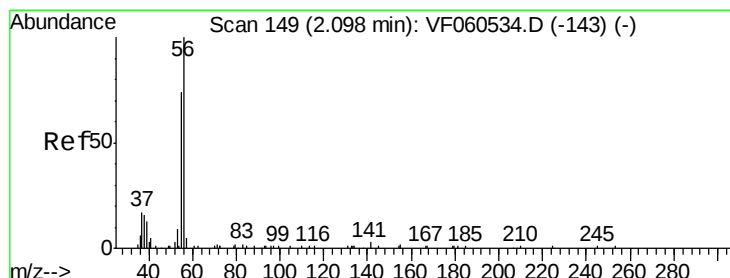
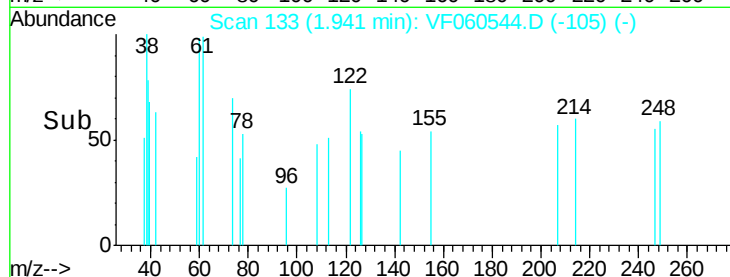
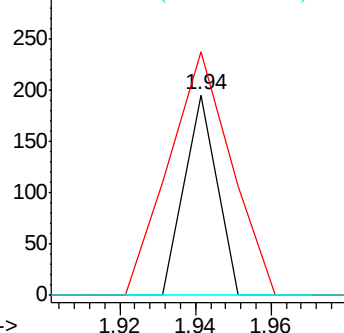
98 0.0 48.9 73.3#



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: 136.52 ug/l

RT: 2.16 min Scan# 155

Delta R.T. 0.06 min

Lab File: VF060544.D

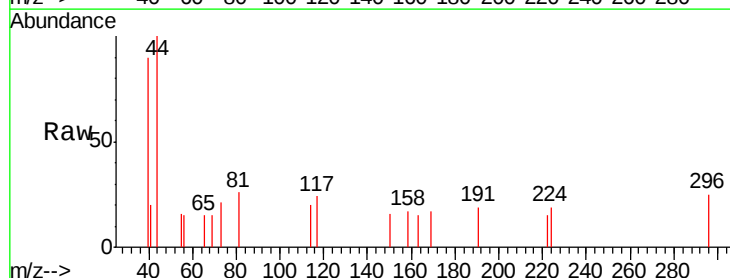
Acq: 30 Oct 2018 14:54

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

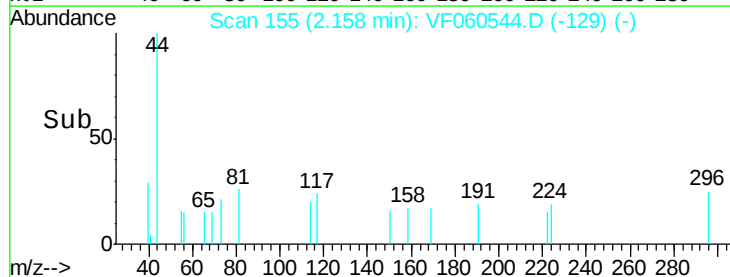
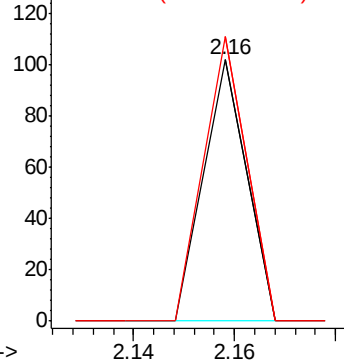
56 100

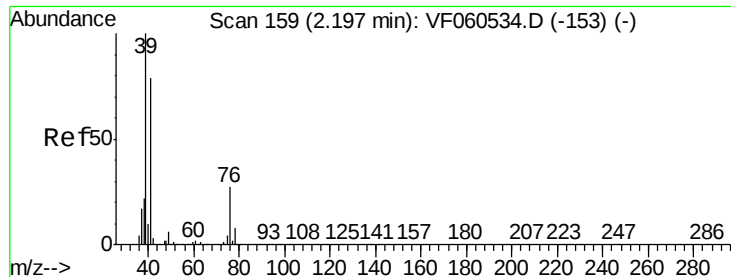
55 108.8 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allyl chloride

Concen: 79.73 ug/l

RT: 2.13 min Scan# 152

Delta R.T. -0.07 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

SB-1

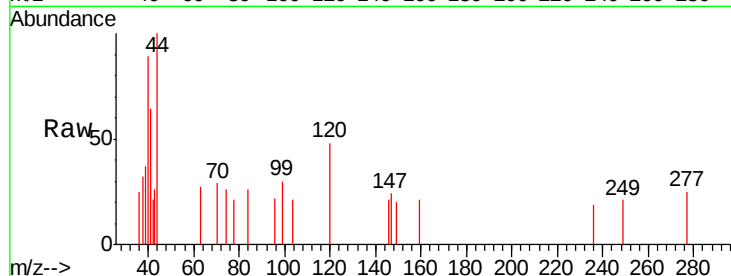
Tgt Ion: 41 Resp: 1107

Ion Ratio Lower Upper

41 100

39 57.5 100.6 151.0#

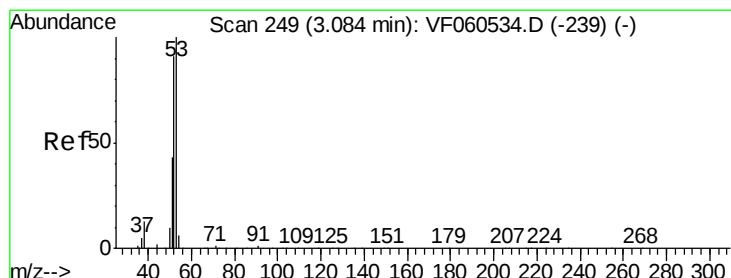
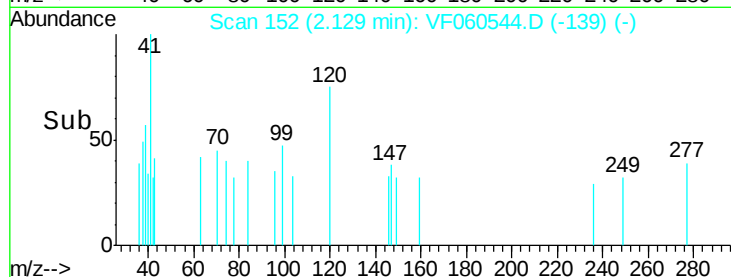
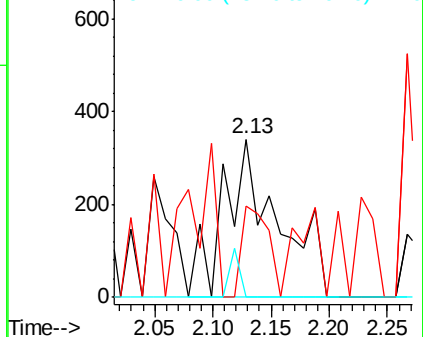
76 0.0 27.6 41.4#



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: 287.88 ug/l

RT: 3.09 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

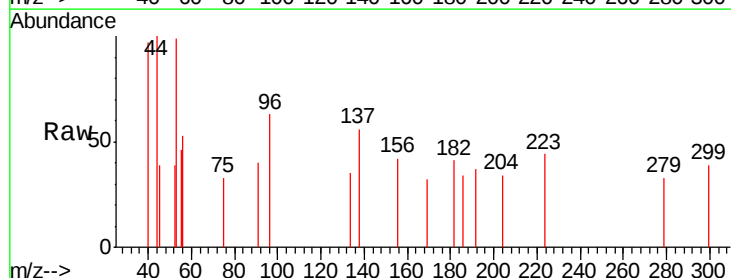
Tgt Ion: 53 Resp: 345

Ion Ratio Lower Upper

53 100

52 39.2 73.2 109.8#

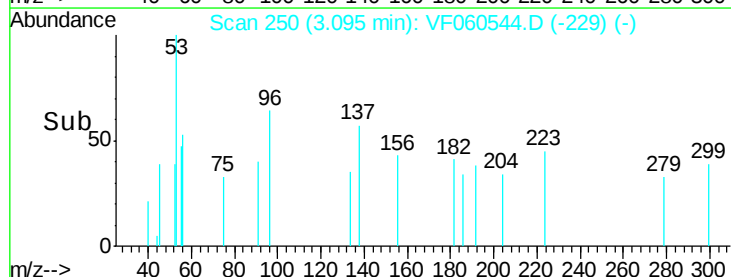
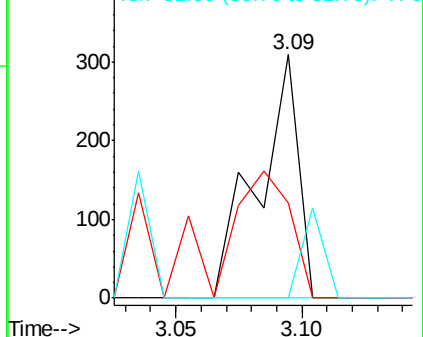
51 0.0 35.0 52.4#

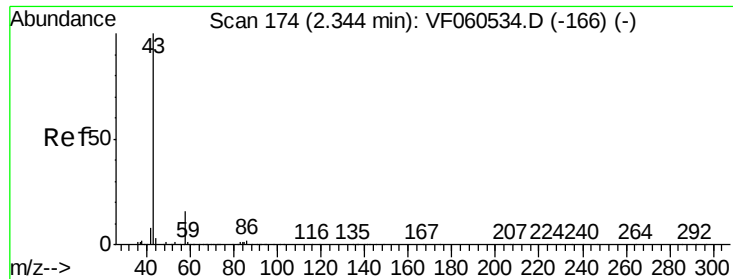


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

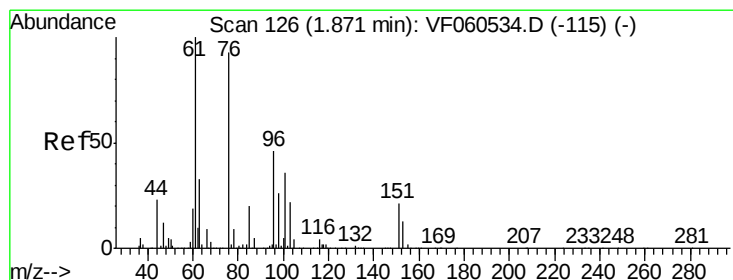
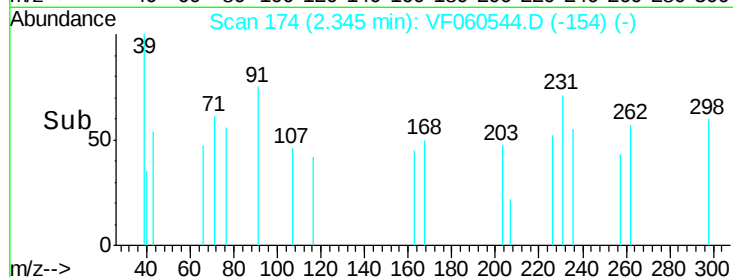
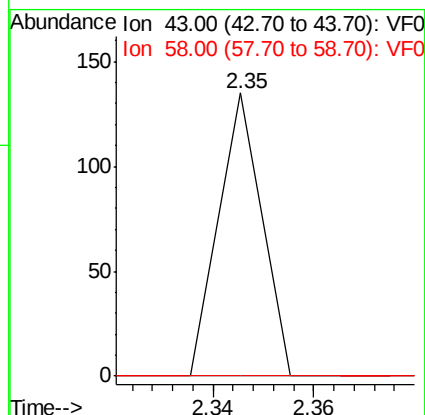
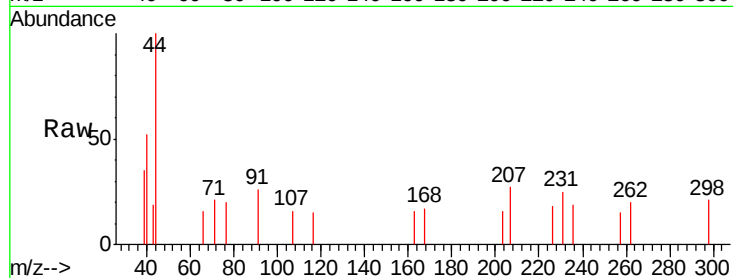




#16
Acetone
Concen: 26.09 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

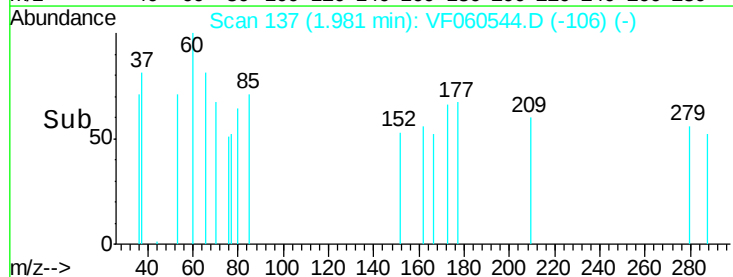
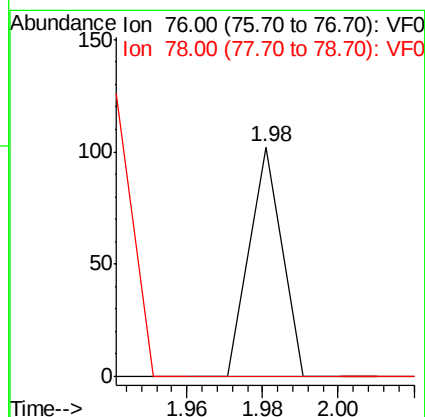
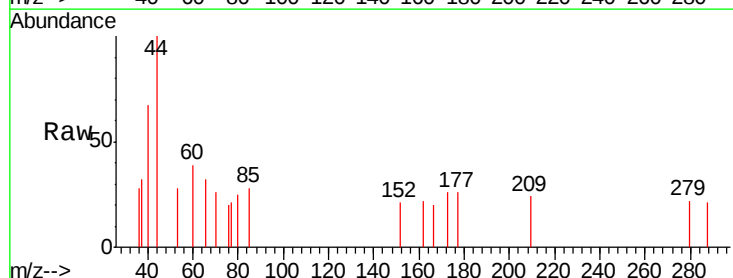
Instrument :
MSVOA_F
ClientSampleId :
SB-1

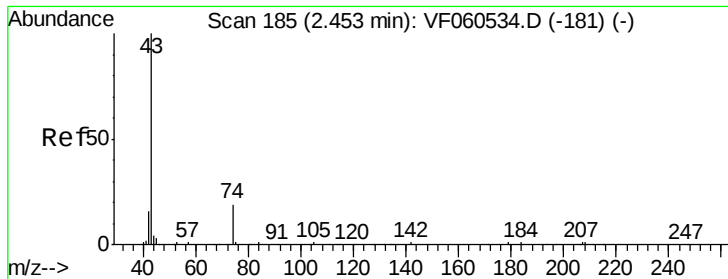
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 12.8 19.2#



#17
Carbon Disulfide
Concen: 2.44 ug/l
RT: 1.98 min Scan# 137
Delta R.T. 0.11 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

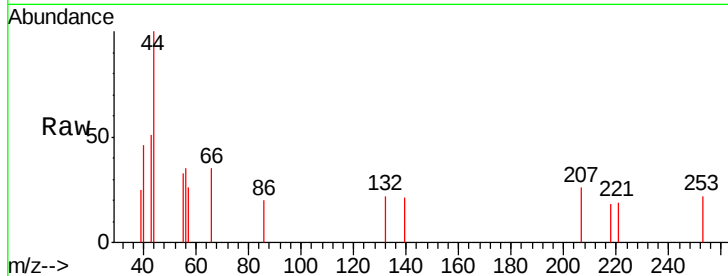




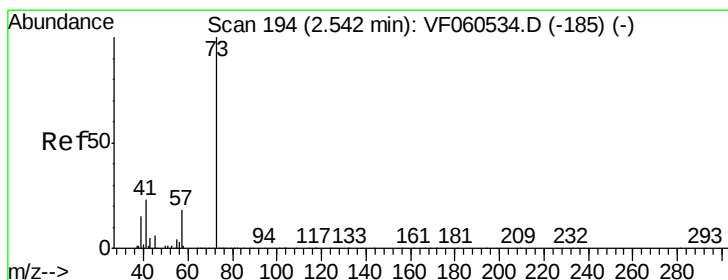
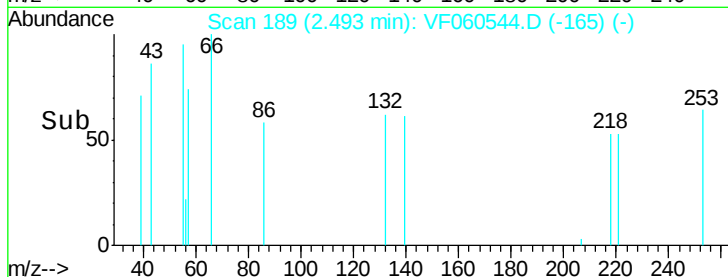
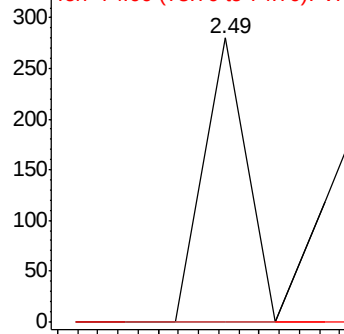
#18
Methyl Acetate
Concen: 45.42 ug/l
RT: 2.49 min Scan# 189
Delta R.T. 0.04 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
74 0.0 13.5 20.3#

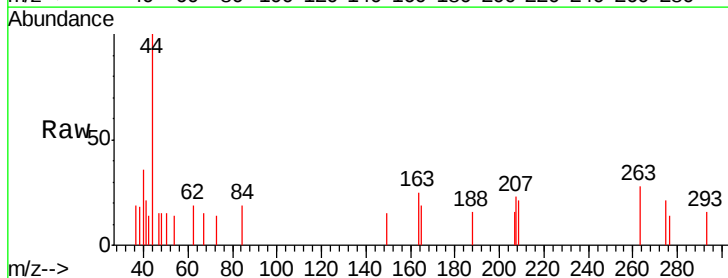


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0

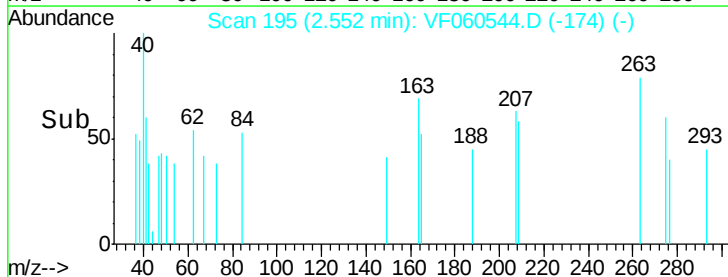
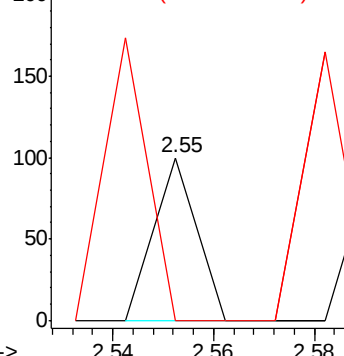


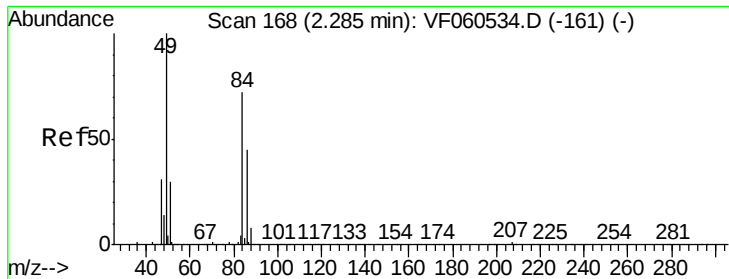
#19
Methyl tert-butyl Ether
Concen: 3.02 ug/l
RT: 2.55 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 73 Resp: 59
Ion Ratio Lower Upper
73 100
57 0.0 14.7 22.1#



Abundance Ion 73.00 (72.70 to 73.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#20

Methylene Chloride

Concen: 7.77 ug/l

RT: 2.31 min Scan# 170

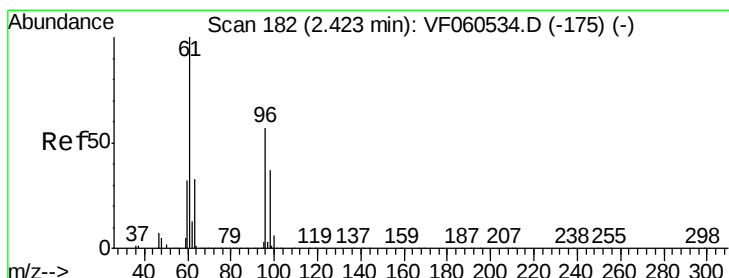
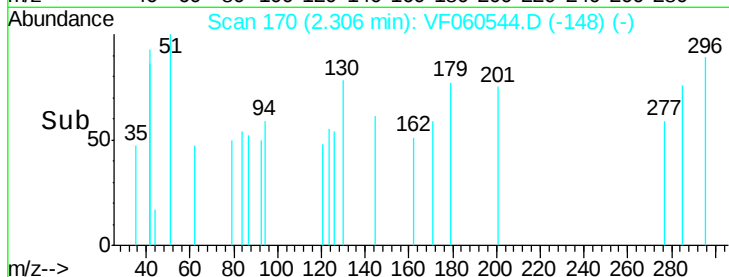
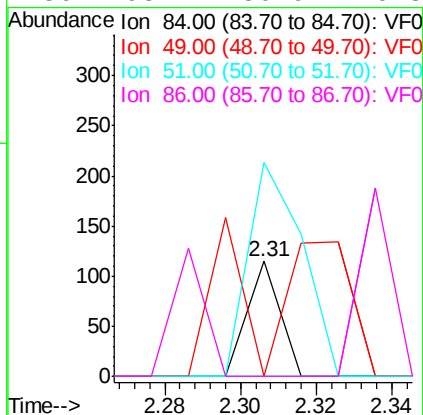
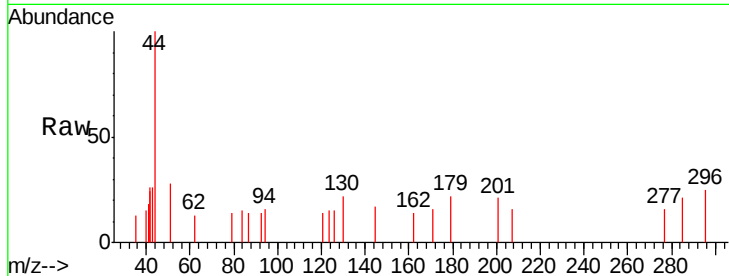
Delta R.T. 0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion:	84	Resp:	68
Ion	Ratio	Lower	Upper
84	100		
49	0.0	115.4	173.0#
51	185.2	35.4	53.2#
86	95.7	50.9	76.3#



#21

trans-1,2-Dichloroethene

Concen: 26.99 ug/l

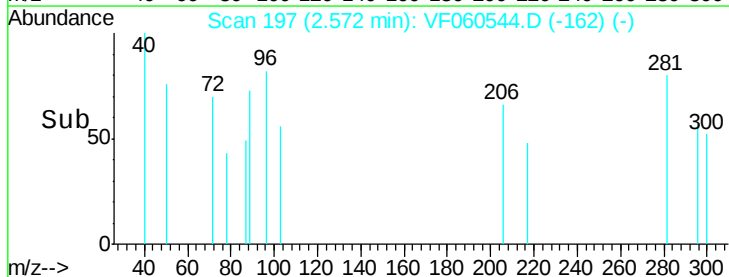
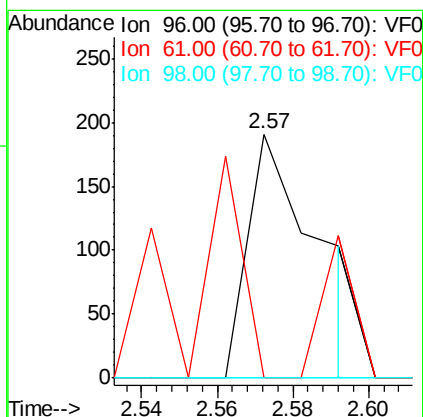
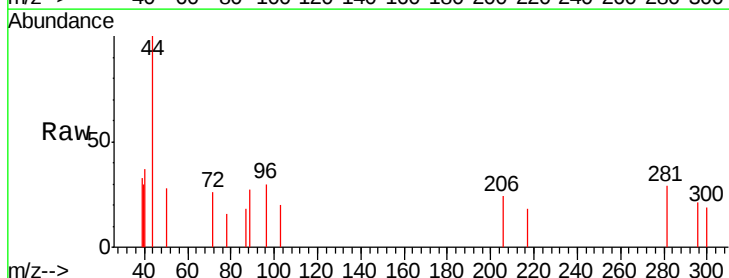
RT: 2.57 min Scan# 197

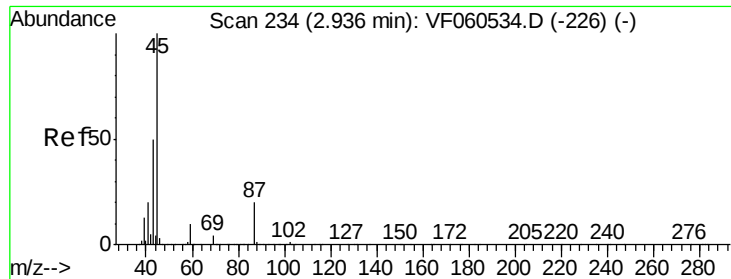
Delta R.T. 0.15 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Tgt Ion:	96	Resp:	241
Ion	Ratio	Lower	Upper
96	100		
61	0.0	139.8	209.6#
98	0.0	52.2	78.4#

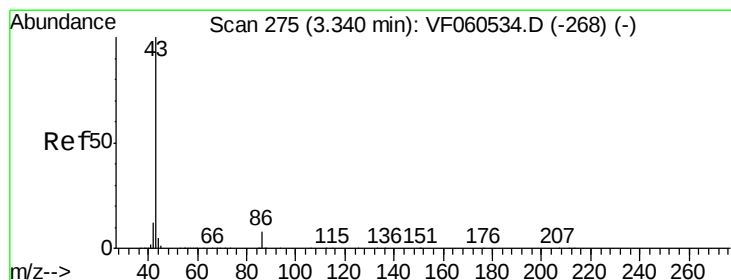
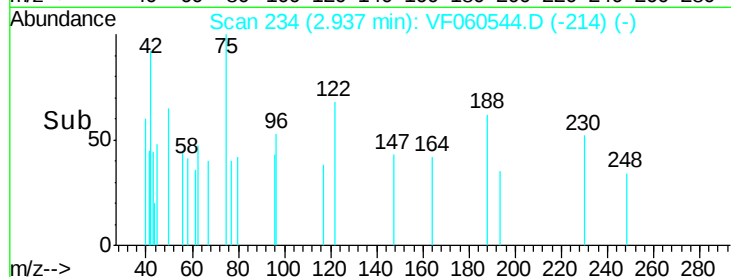
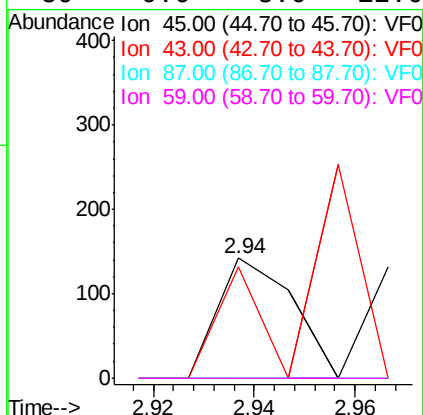
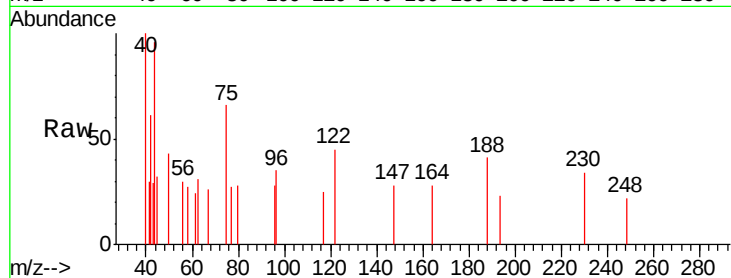




#22
Diisopropyl ether
Concen: 5.75 ug/l
RT: 2.94 min Scan# 234
Delta R.T. 0.00 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

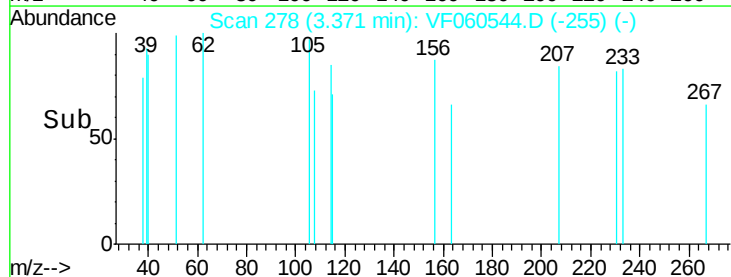
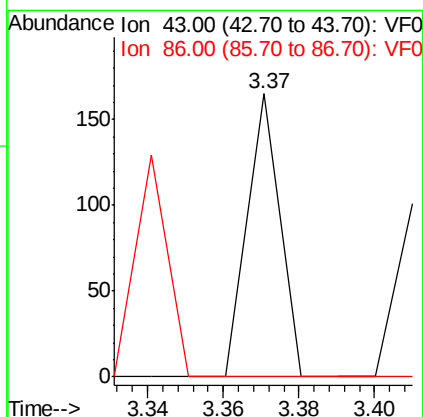
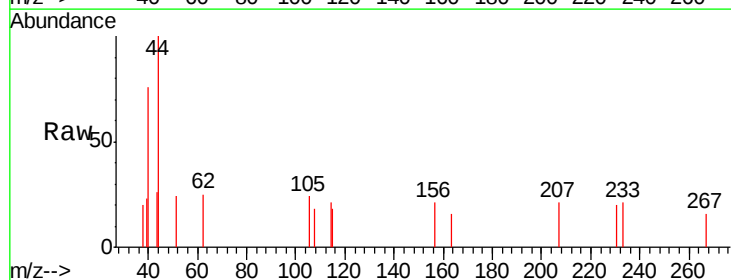
Instrument :
MSVOA_F
ClientSampleId :
SB-1

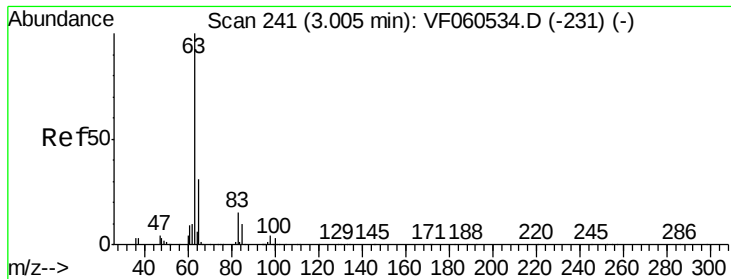
Tgt Ion:	45	Resp:	145
Ion	Ratio	Lower	Upper
45	100		
43	93.0	40.6	60.8#
87	0.0	15.9	23.9#
59	0.0	8.0	12.0#



#23
Vinyl Acetate
Concen: 10.48 ug/l
RT: 3.37 min Scan# 278
Delta R.T. 0.03 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion:	43	Resp:	98
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#





#24

1,1-Dichloroethane

Concen: 4.73 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.12 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

SB-1

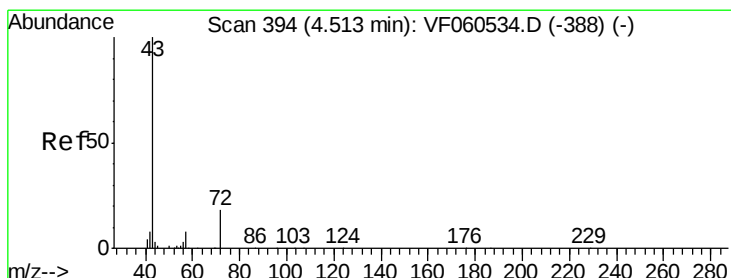
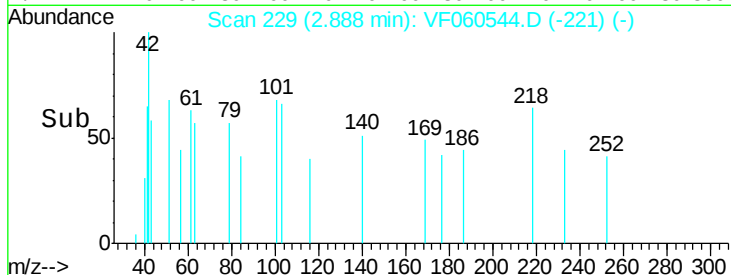
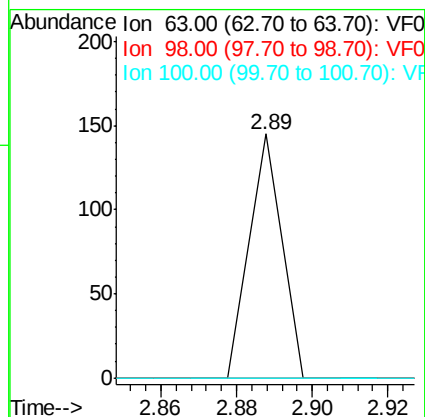
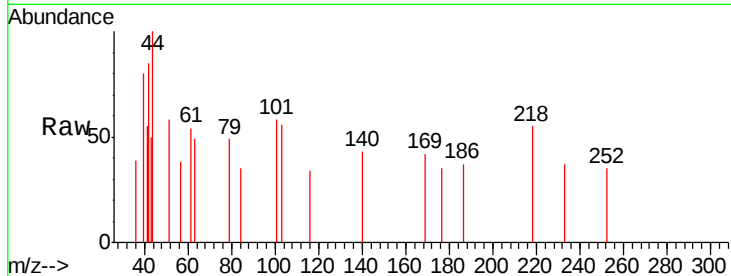
Tgt Ion: 63 Resp: 86

Ion Ratio Lower Upper

63 100

98 0.0 2.0 6.0#

100 118.6 1.4 4.0#



#25

2-Butanone

Concen: 21.34 ug/l

RT: 4.53 min Scan# 396

Delta R.T. 0.02 min

Lab File: VF060544.D

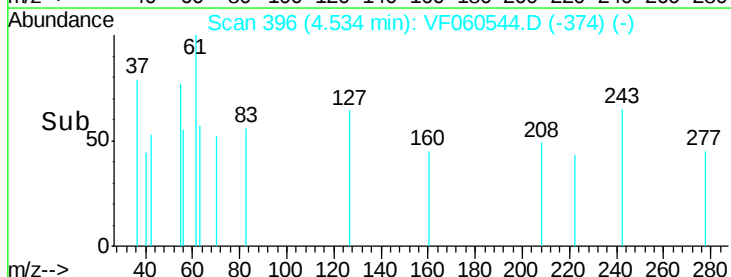
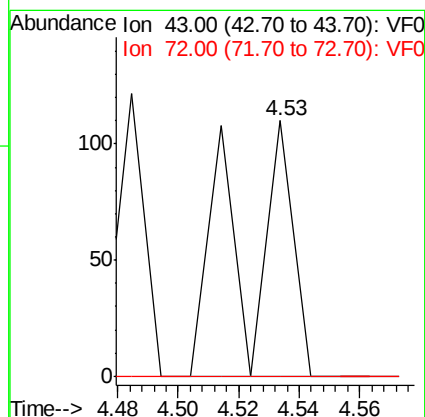
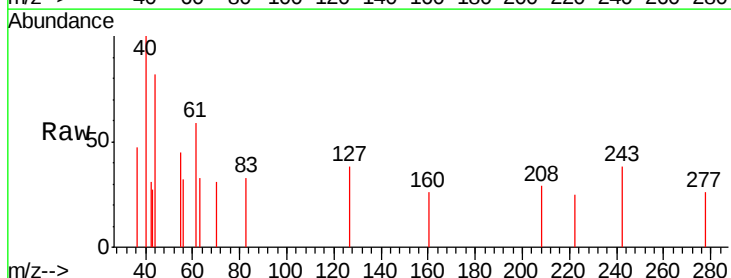
Acq: 30 Oct 2018 14:54

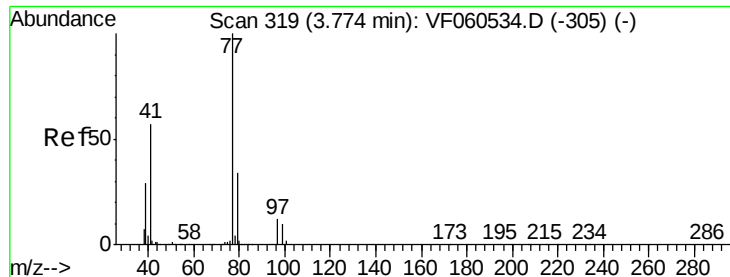
Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#





#26

2,2-Dichloropropane

Concen: 31.04 ug/l

RT: 3.78 min Scan# 320

Delta R.T. 0.01 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

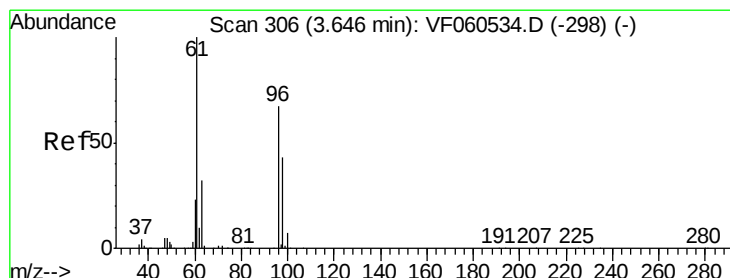
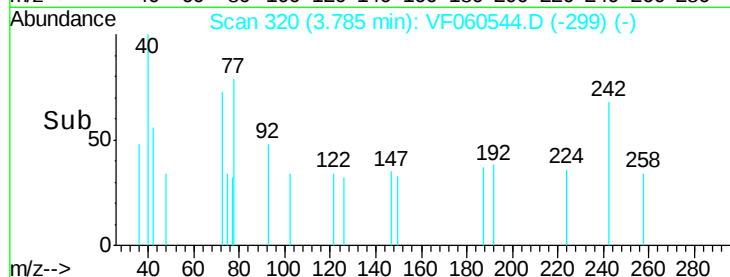
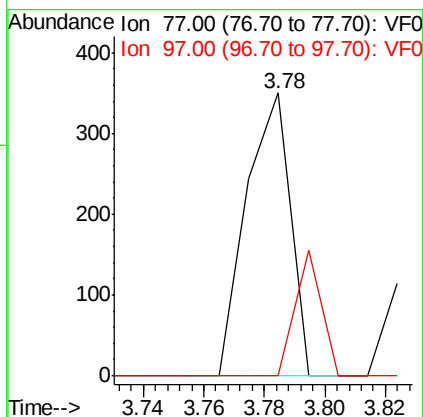
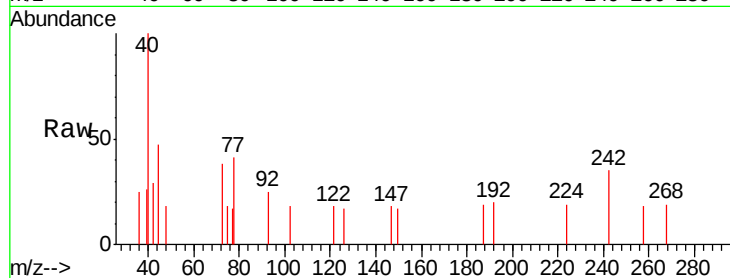
SB-1

Tgt Ion: 77 Resp: 351

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#



#27

cis-1,2-Dichloroethene

Concen: 5.85 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

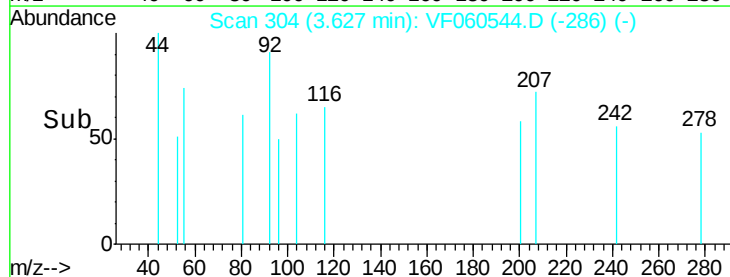
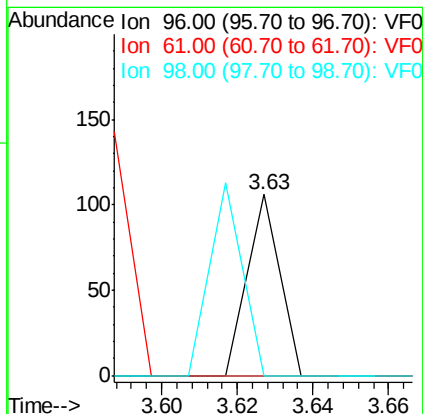
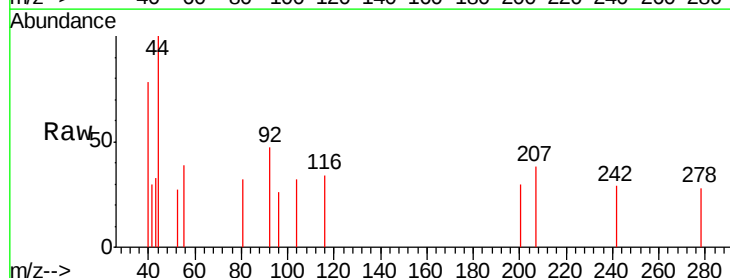
Tgt Ion: 96 Resp: 63

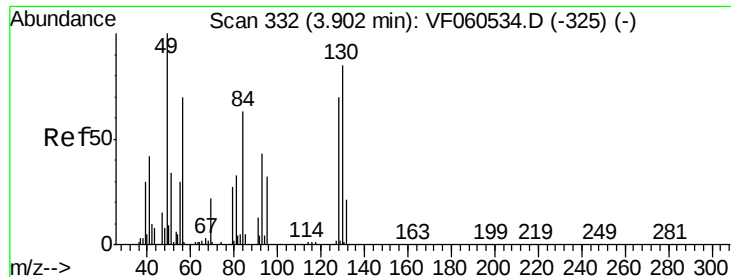
Ion Ratio Lower Upper

96 100

61 0.0 0.0 300.8

98 0.0 0.0 128.4





#28

Bromochloromethane

Concen: 13.42 ug/l

RT: 4.05 min Scan# 347

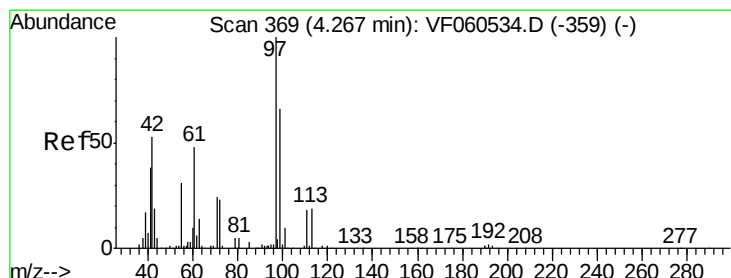
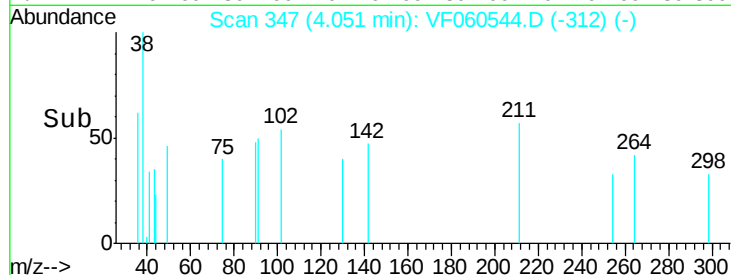
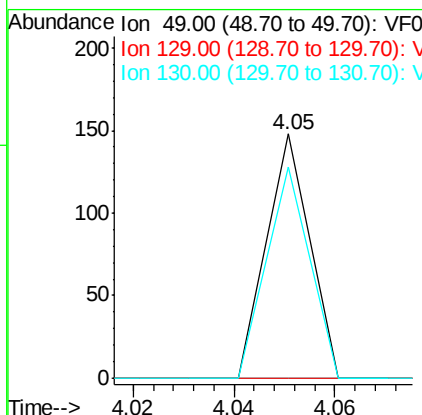
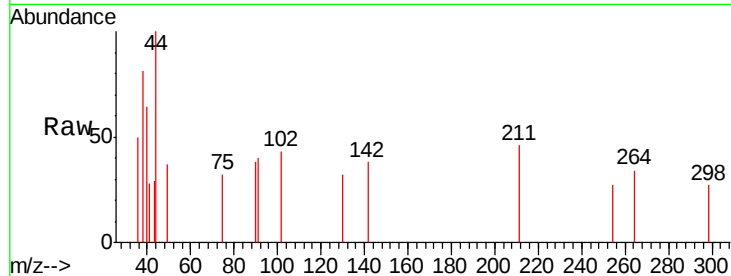
Delta R.T. 0.15 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion:	49	Resp:	88
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	86.5	67.5	101.3



#29

Tetrahydrofuran

Concen: 195.69 ug/l

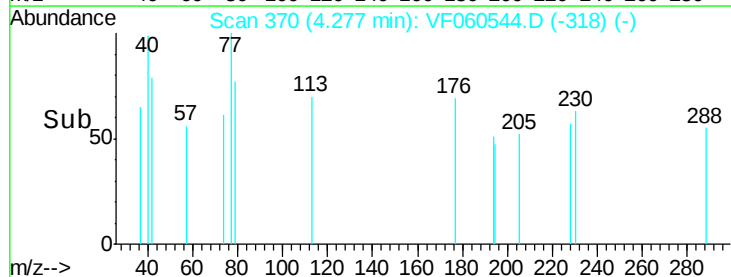
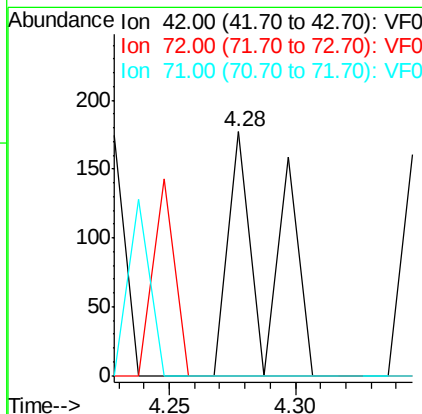
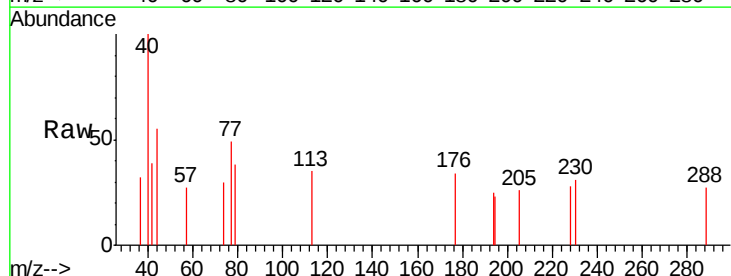
RT: 4.28 min Scan# 370

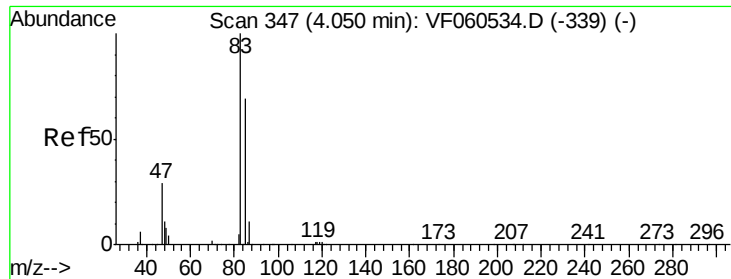
Delta R.T. 0.01 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Tgt Ion:	42	Resp:	199
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.5	48.7#
71	0.0	34.5	51.7#

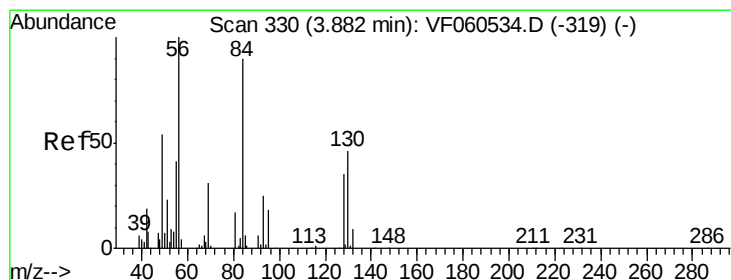
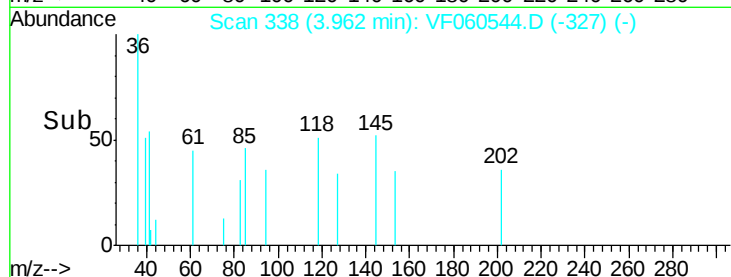
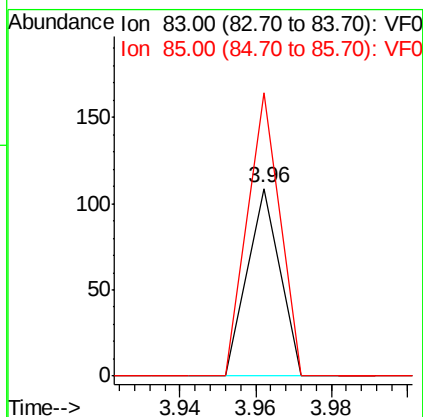
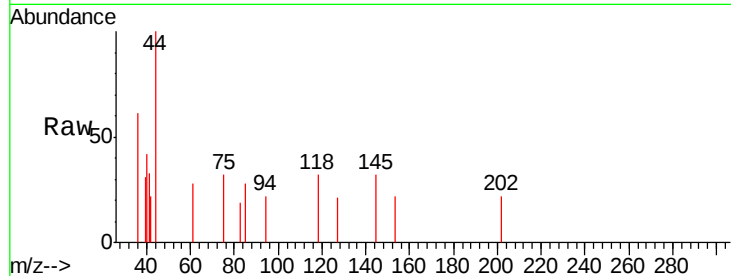




#30
Chloroform
Concen: 2.78 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.09 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

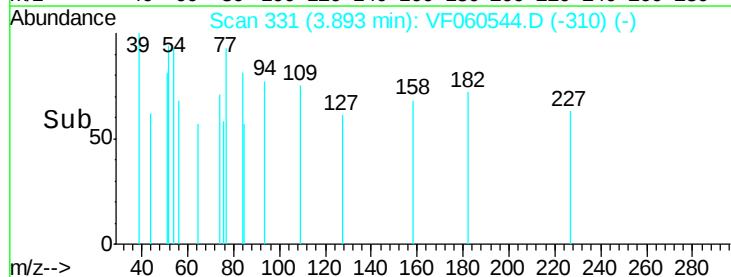
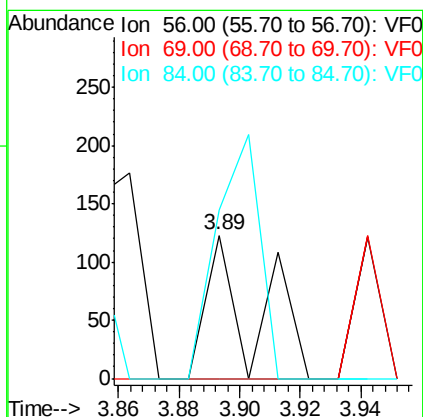
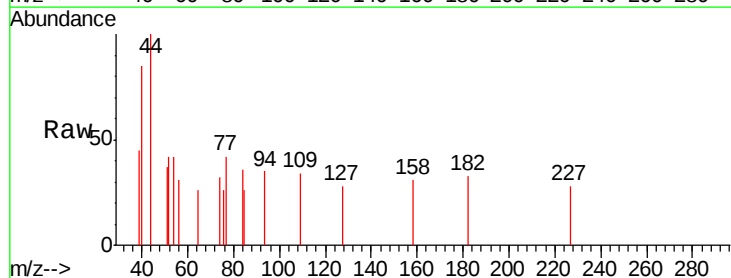
Instrument :
MSVOA_F
ClientSampled :
SB-1

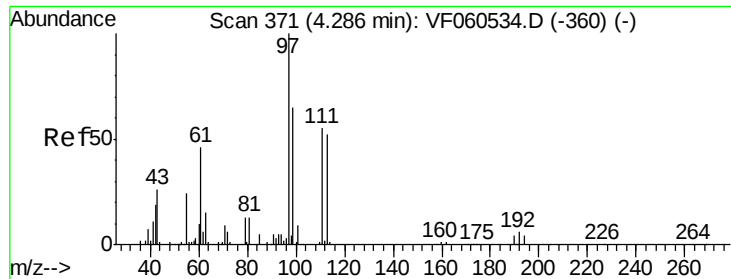
Tgt Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
85 150.5 55.0 82.4#



#31
Cyclohexane
Concen: 10.54 ug/l
RT: 3.89 min Scan# 331
Delta R.T. 0.01 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.6#
84 200.8 72.1 108.1#





#32

1,1,1-Trichloroethane

Concen: 5.00 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.03 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

SB-1

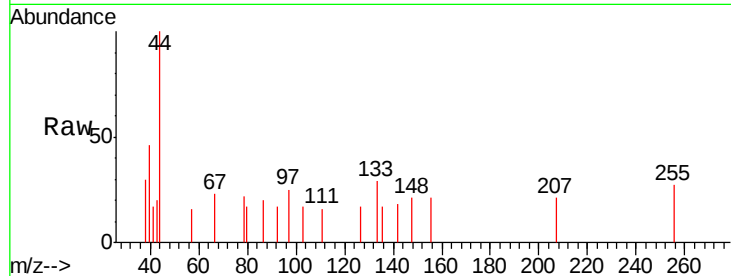
Tgt Ion: 97 Resp: 95

Ion Ratio Lower Upper

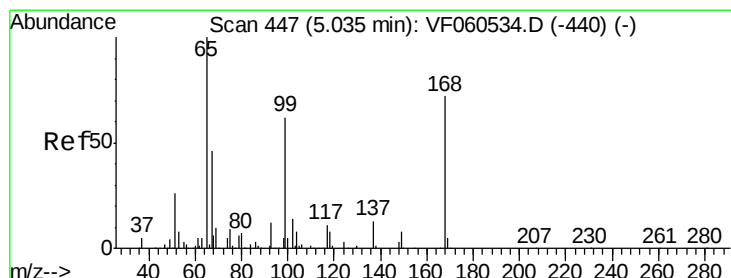
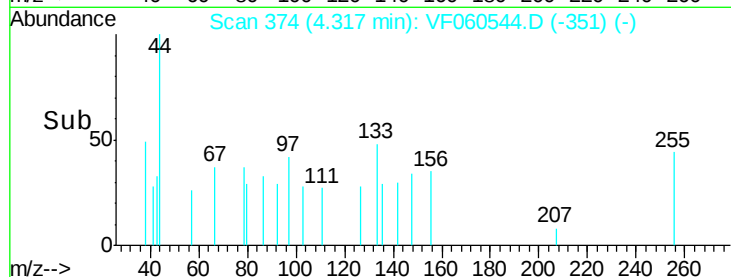
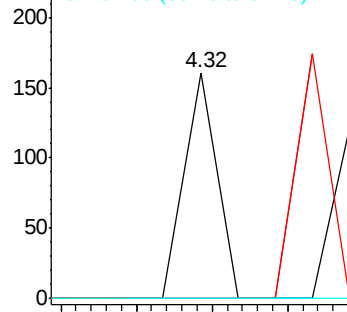
97 100

99 0.0 51.7 77.5#

61 0.0 36.8 55.2#



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: 20.03 ug/l

RT: 5.08 min Scan# 451

Delta R.T. 0.04 min

Lab File: VF060544.D

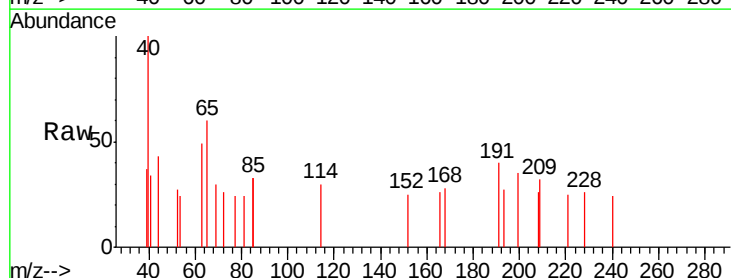
Acq: 30 Oct 2018 14:54

Tgt Ion: 65 Resp: 240

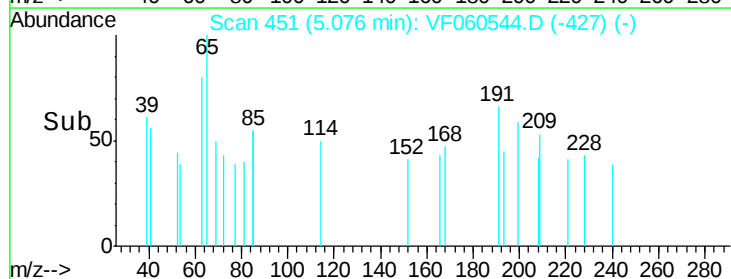
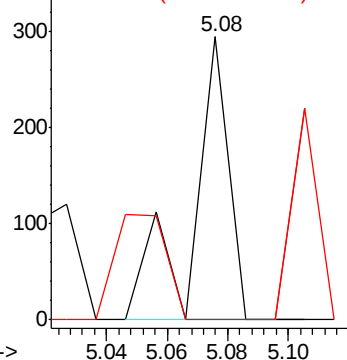
Ion Ratio Lower Upper

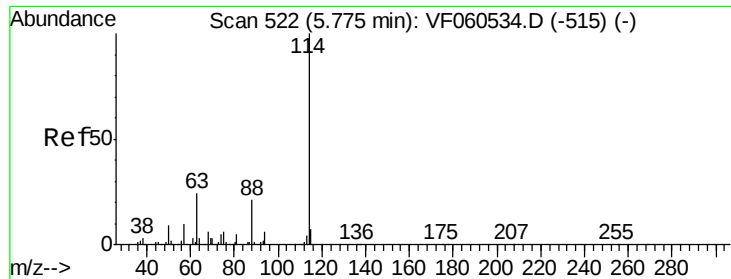
65 100

67 0.0 0.0 94.4



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

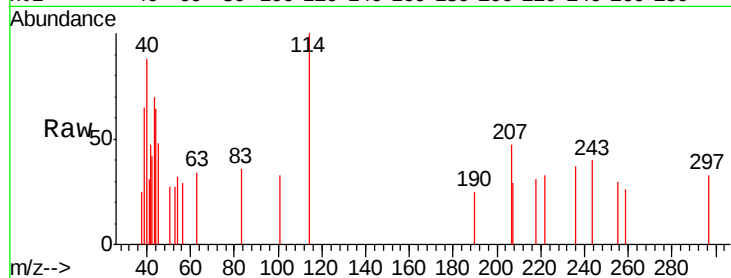




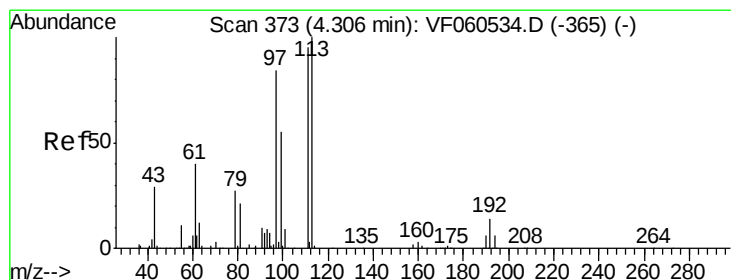
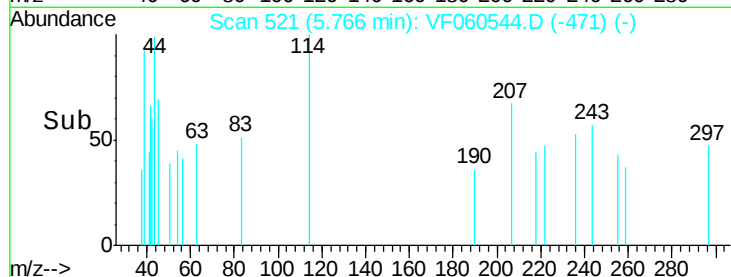
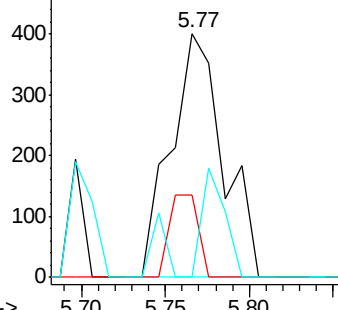
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060544.D
 Acq: 30 Oct 2018 14:54

Instrument :
 MSVOA_F
 ClientSampled :
 SB-1

Tgt Ion:114 Resp: 868
 Ion Ratio Lower Upper
 114 100
 63 33.7 0.0 48.0
 88 0.0 0.0 42.0

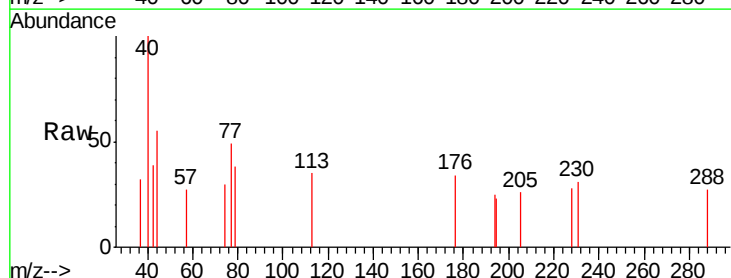


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

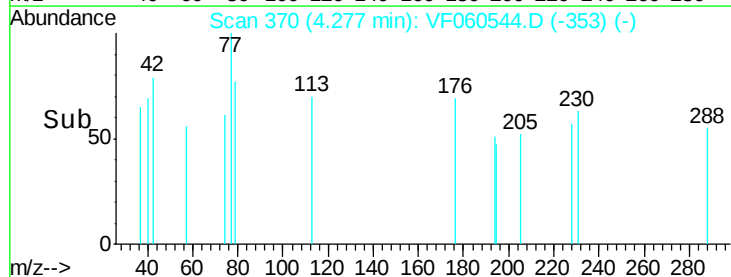
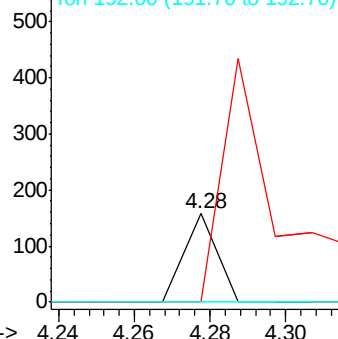


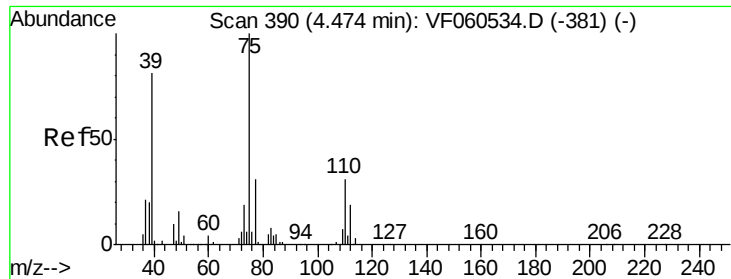
#35
 Dibromofluoromethane
 Concen: 11.17 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.03 min
 Lab File: VF060544.D
 Acq: 30 Oct 2018 14:54

Tgt Ion:113 Resp: 93
 Ion Ratio Lower Upper
 113 100
 111 0.0 75.9 113.9#
 192 0.0 11.2 16.8#



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: 14.89 ug/l

RT: 4.52 min Scan# 395

Delta R.T. 0.05 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

SB-1

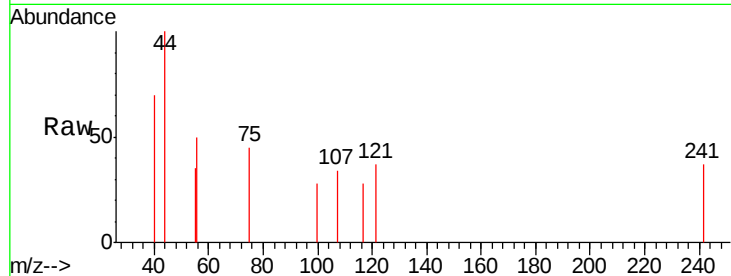
Tgt Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

110 0.0 15.3 45.8#

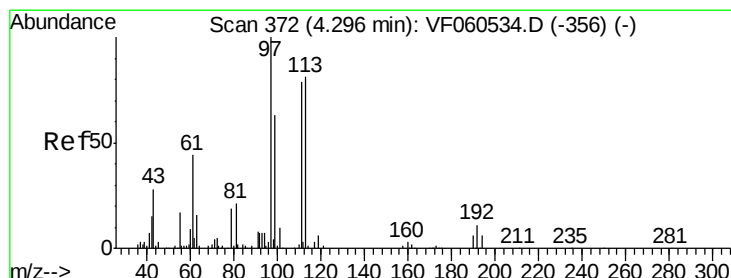
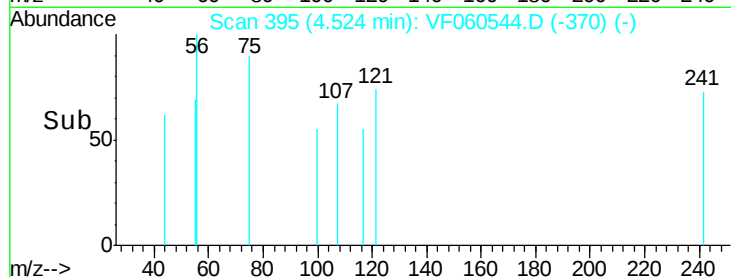
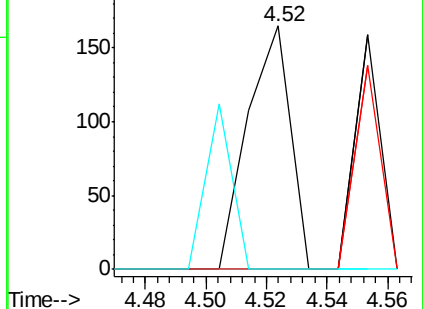
77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 96.54 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.04 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

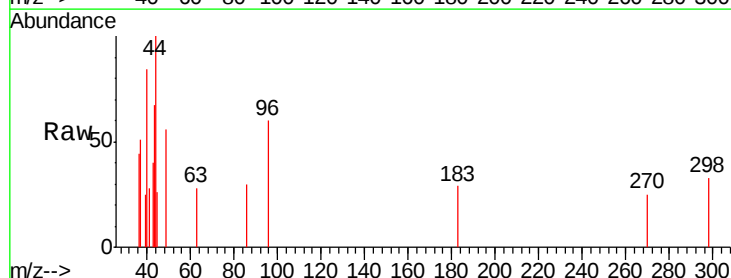
Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

61 0.0 123.9 185.9#

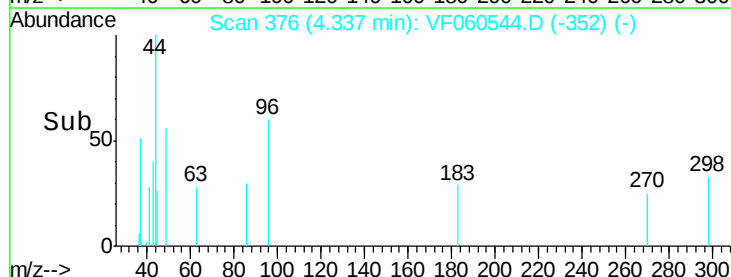
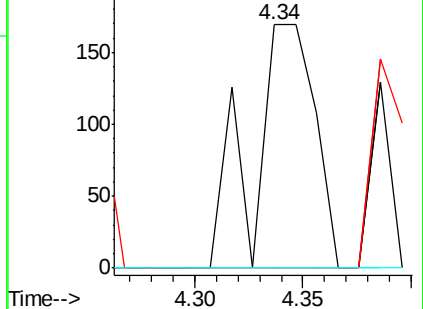
70 0.0 7.3 10.9#

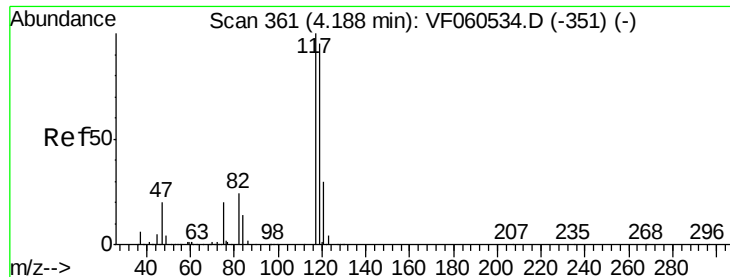


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

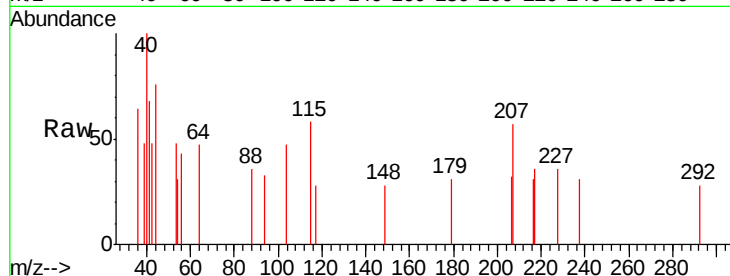




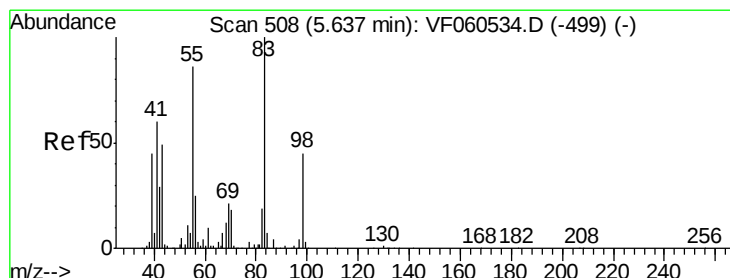
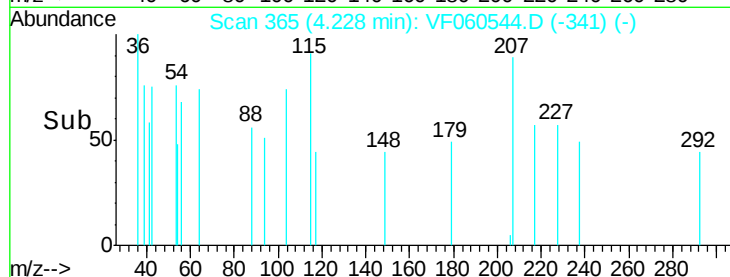
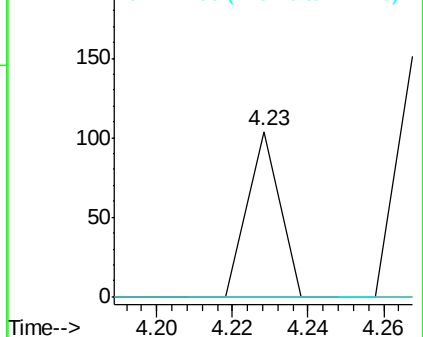
#38
Carbon Tetrachloride
Concen: 4.79 ug/l
RT: 4.23 min Scan# 365
Delta R.T. 0.04 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion: 117 Resp: 62
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#

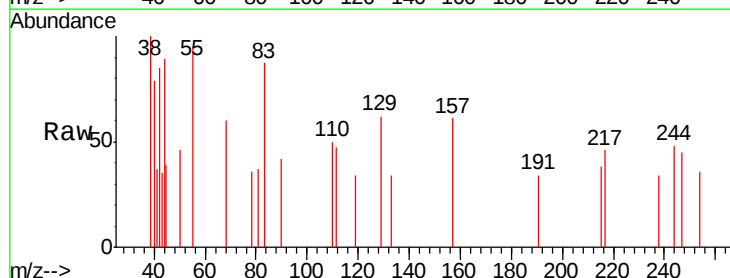


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

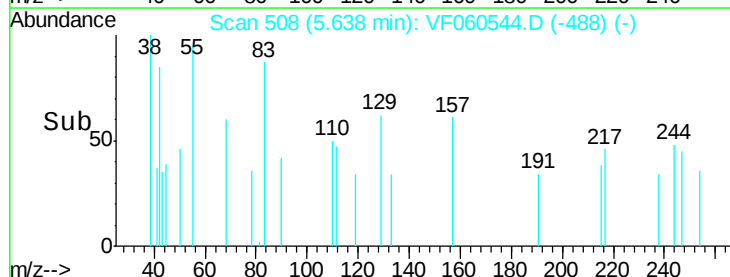
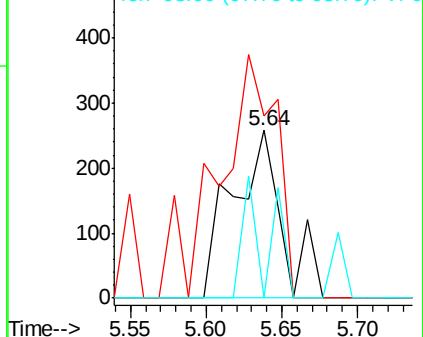


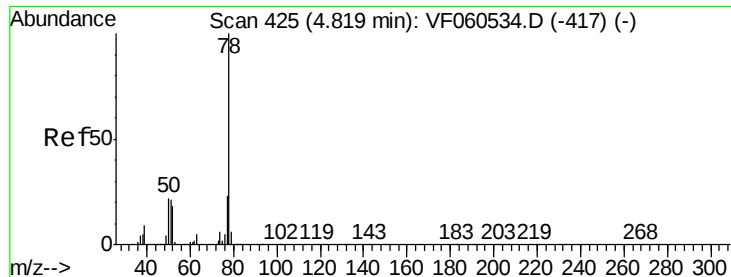
#39
Methylcyclohexane
Concen: 54.39 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.00 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 83 Resp: 594
Ion Ratio Lower Upper
83 100
55 108.9 69.0 103.4#
98 0.0 36.1 54.1#



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: 3.03 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.04 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

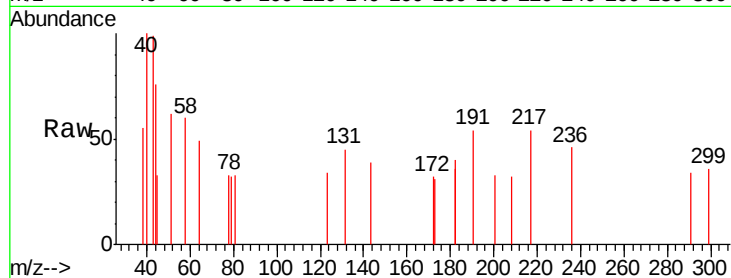
SB-1

Tgt Ion: 78 Resp: 65

Ion Ratio Lower Upper

78 100

77 0.0 18.5 27.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.86

120

100

80

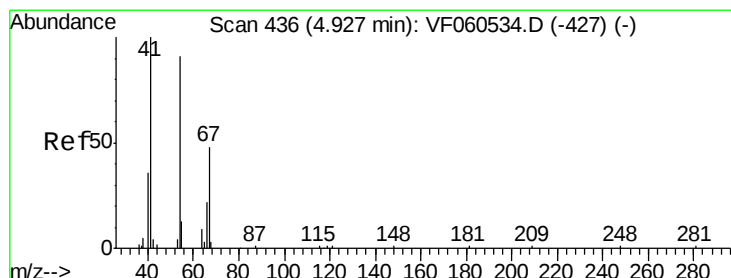
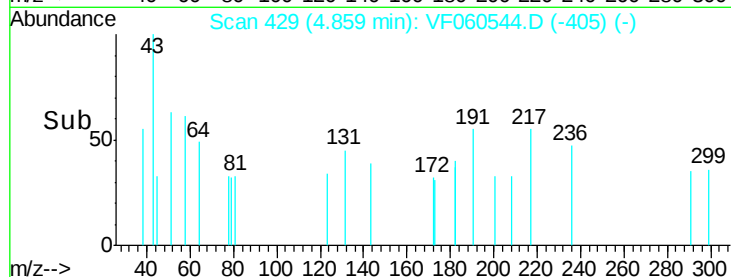
60

40

20

0

Time--> 4.82 4.84 4.86 4.88



#41

Methacrylonitrile

Concen: 170.39 ug/l

RT: 4.98 min Scan# 441

Delta R.T. 0.05 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Tgt Ion: 41 Resp: 341

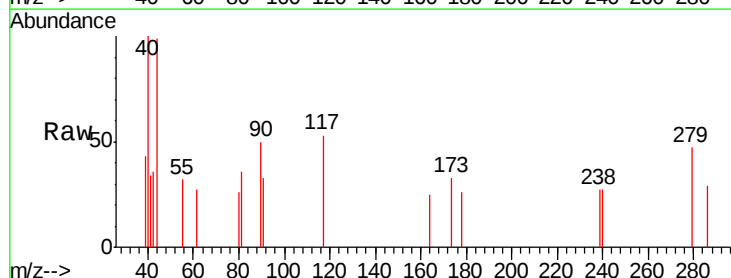
Ion Ratio Lower Upper

41 100

39 129.3 51.0 76.6#

67 0.0 38.0 57.0#

52 0.0 40.6 61.0#



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

400

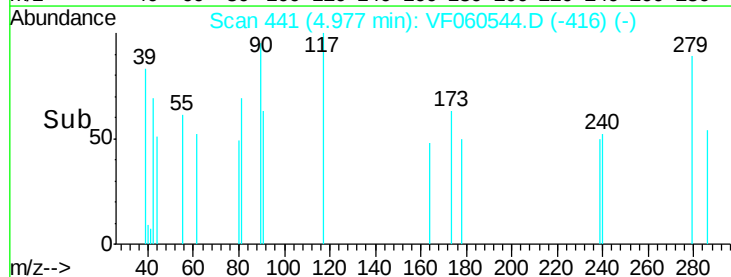
300

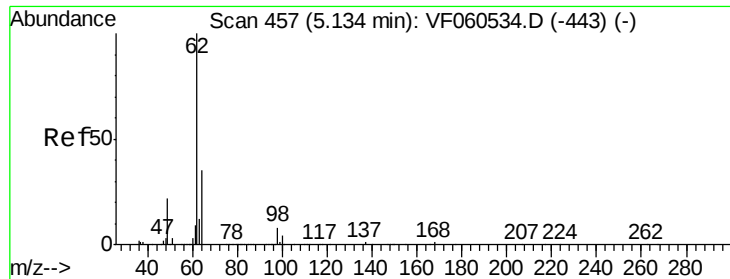
200

100

0

Time--> 4.90 4.95 5.00





#42

1,2-Dichloroethane

Concen: 6.02 ug/l

RT: 5.15 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

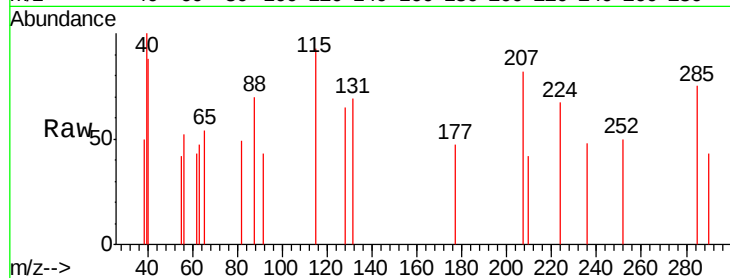
SB-1

Tgt Ion: 62 Resp: 60

Ion Ratio Lower Upper

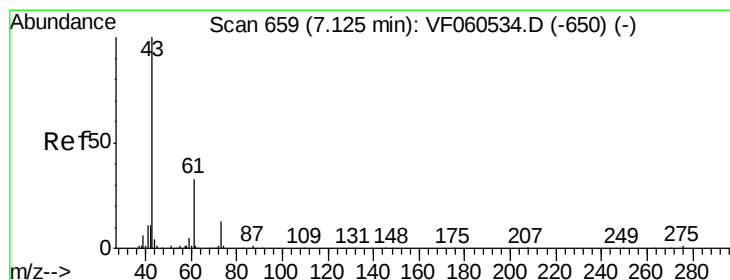
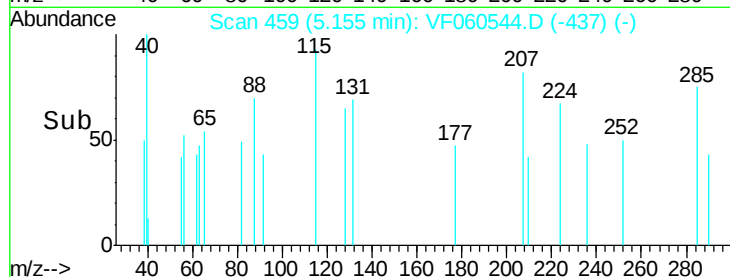
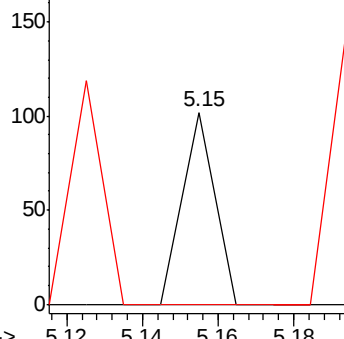
62 100

98 0.0 0.0 15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 59.23 ug/l

RT: 7.11 min Scan# 657

Delta R.T. -0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

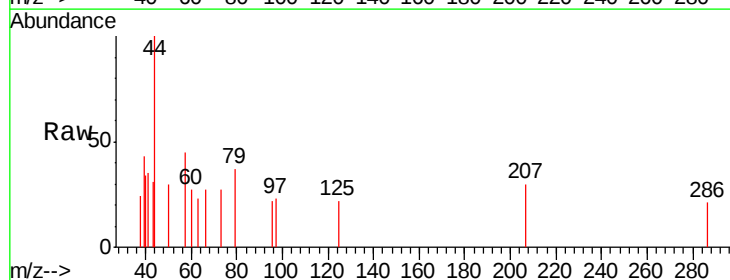
Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

61 0.0 26.6 40.0#

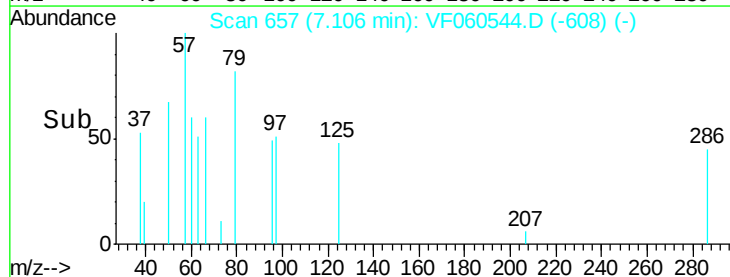
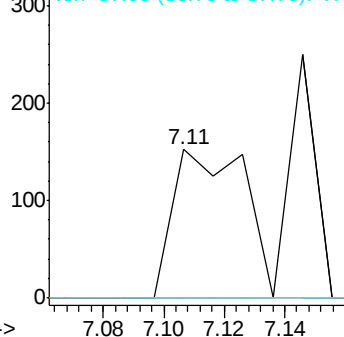
87 0.0 0.6 1.0#

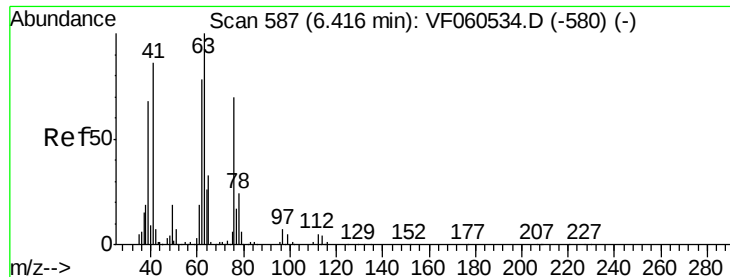


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#45

1,2-Dichloropropane

Concen: 20.18 ug/l

RT: 6.46 min Scan# 591

Delta R.T. 0.04 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

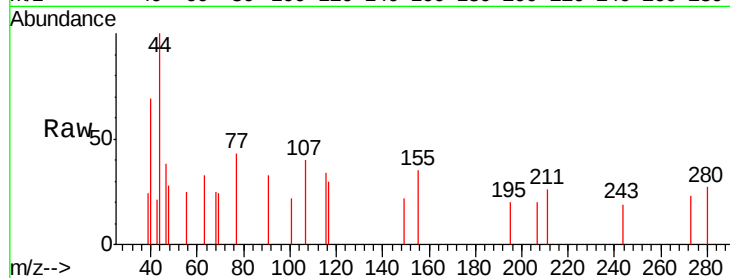
SB-1

Tgt Ion: 63 Resp: 108

Ion Ratio Lower Upper

63 100

65 0.0 26.5 39.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.46

200

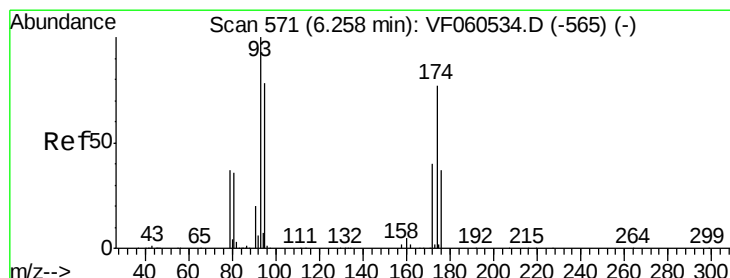
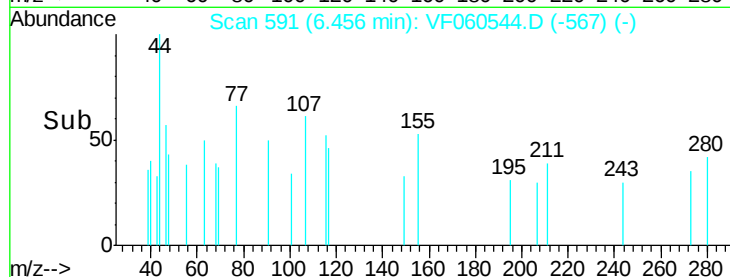
150

100

50

0

Time-->



#46

Dibromomethane

Concen: 38.78 ug/l

RT: 6.15 min Scan# 560

Delta R.T. -0.11 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

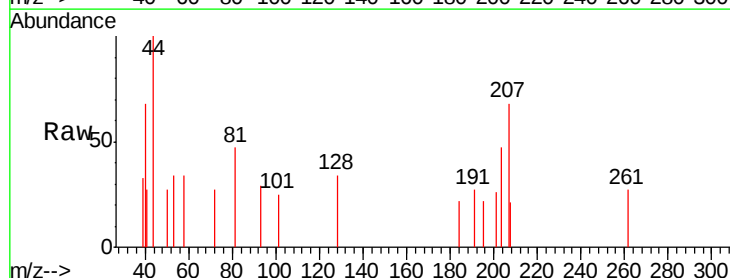
Tgt Ion: 93 Resp: 163

Ion Ratio Lower Upper

93 100

95 0.0 64.3 96.5#

174 0.0 63.3 94.9#



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

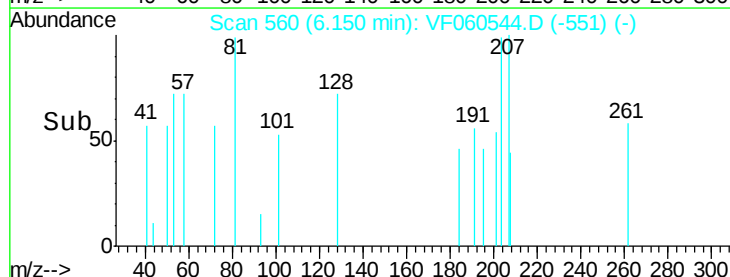
150

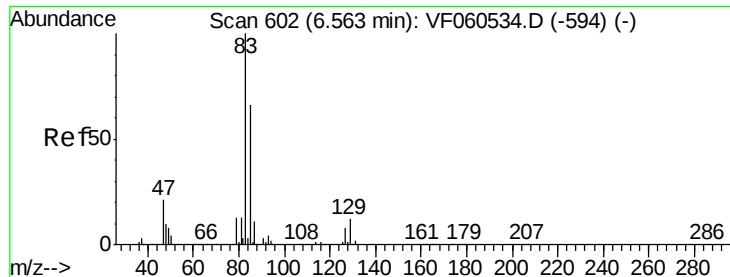
100

50

0

Time-->





#47

Bromodichloromethane

Concen: 6.49 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampleId :

SB-1

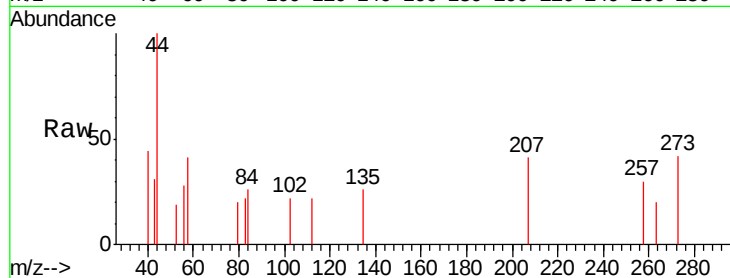
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 52.7 79.1#

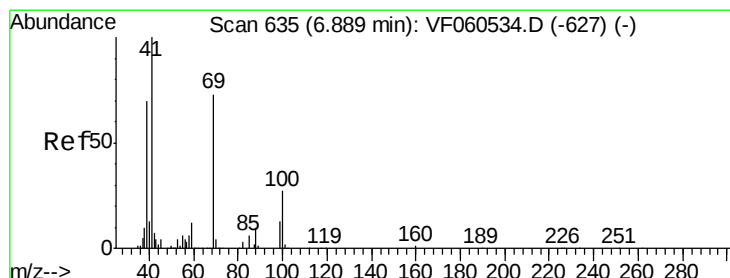
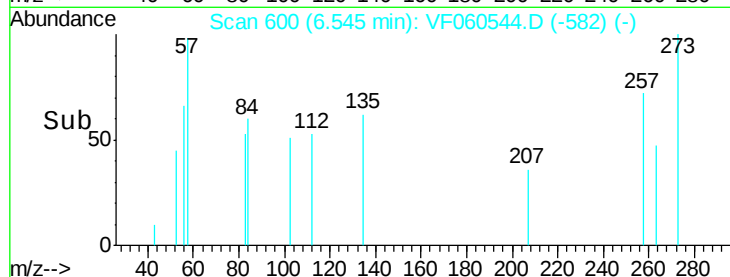
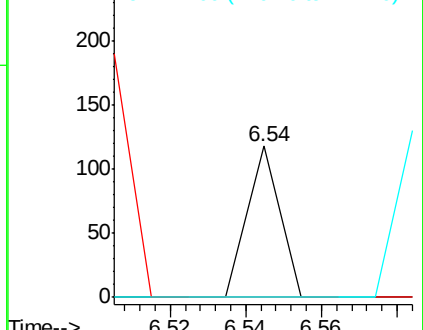
127 0.0 6.4 9.6#



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: 63.63 ug/l

RT: 6.93 min Scan# 639

Delta R.T. 0.04 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

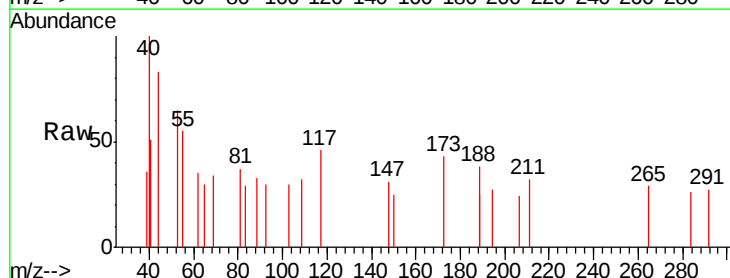
Tgt Ion: 41 Resp: 186

Ion Ratio Lower Upper

41 100

69 66.2 58.4 87.6

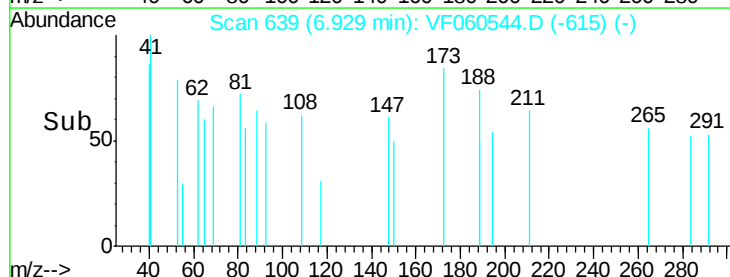
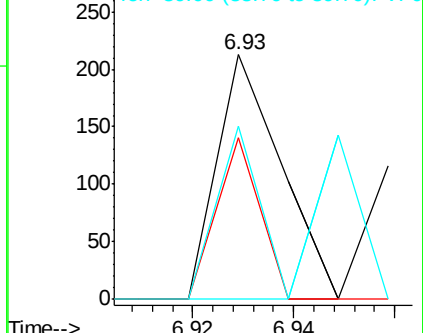
39 70.9 56.4 84.6

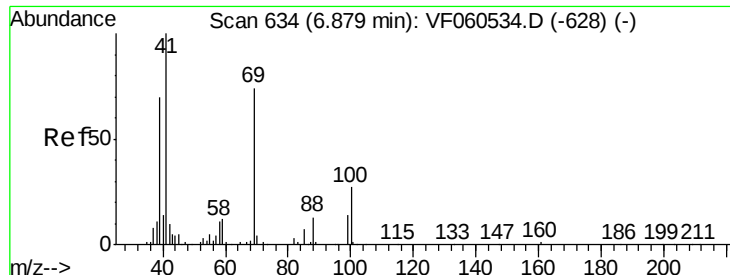


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2537.51 ug/l

RT: 6.83 min Scan# 629

Delta R.T. -0.05 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampleId :

SB-1

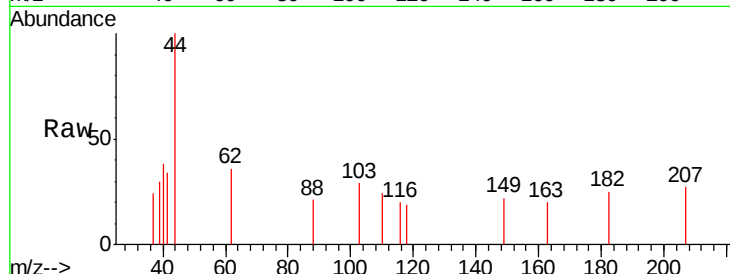
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 0.0 49.7 74.5#

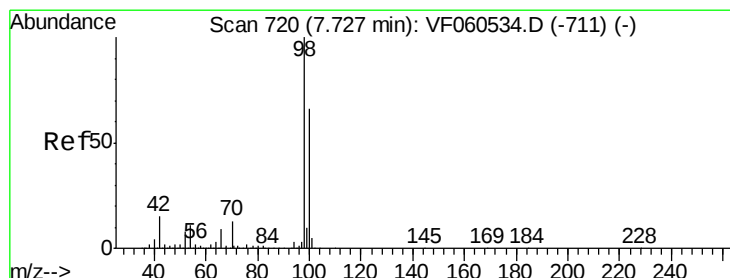
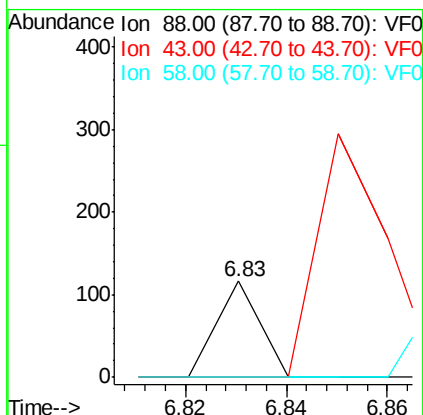
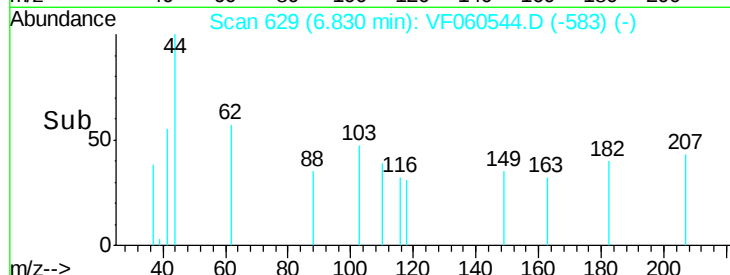
58 0.0 67.7 101.5#



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: 9.59 ug/l

RT: 7.72 min Scan# 719

Delta R.T. -0.01 min

Lab File: VF060544.D

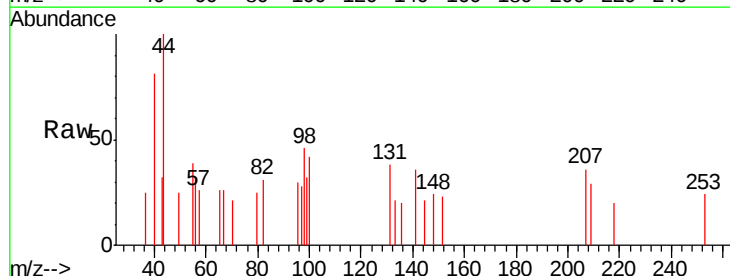
Acq: 30 Oct 2018 14:54

Tgt Ion: 98 Resp: 195

Ion Ratio Lower Upper

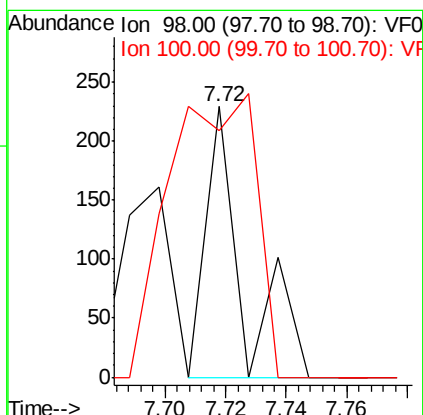
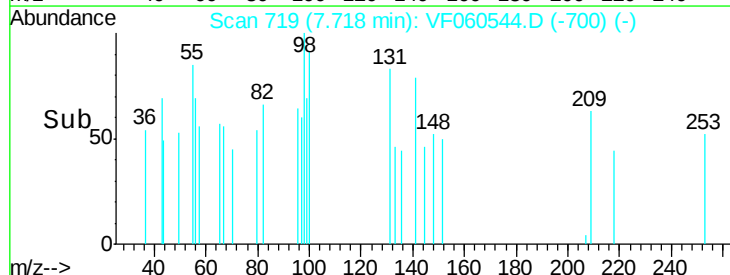
98 100

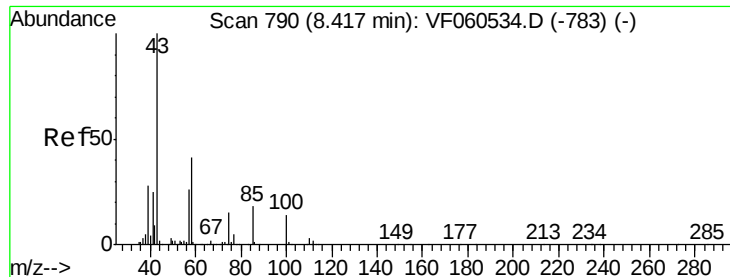
100 91.3 53.0 79.6#



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: 45.61 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.03 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

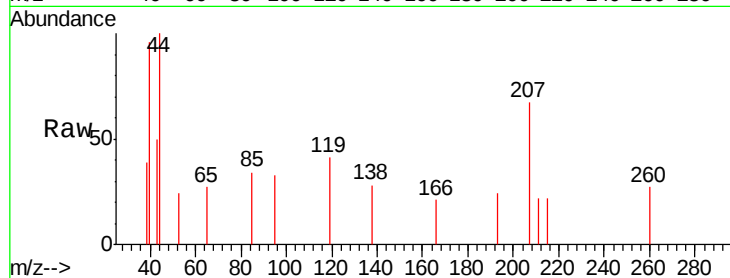
SB-1

Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

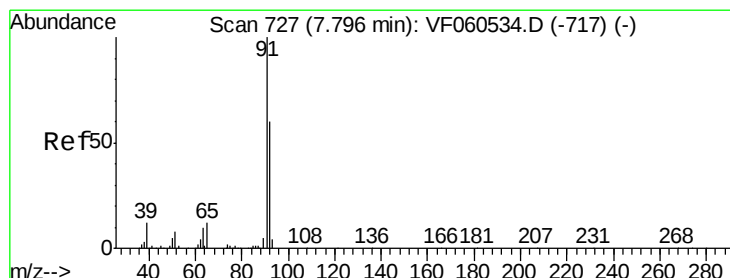
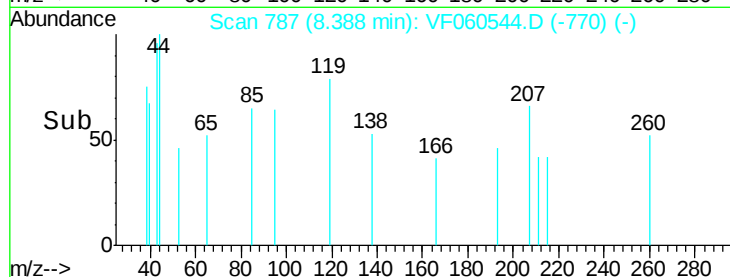
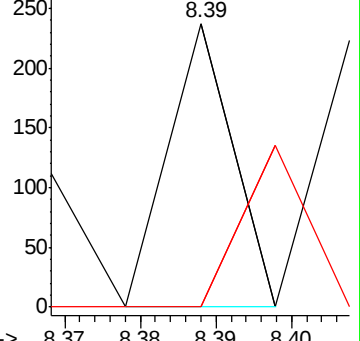
43 100

58 0.0 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 7.97 ug/l

RT: 7.75 min Scan# 722

Delta R.T. -0.05 min

Lab File: VF060544.D

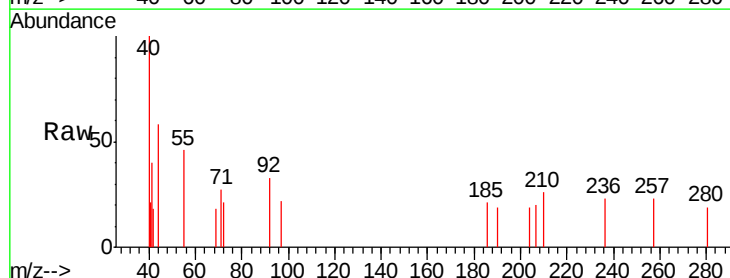
Acq: 30 Oct 2018 14:54

Tgt Ion: 92 Resp: 111

Ion Ratio Lower Upper

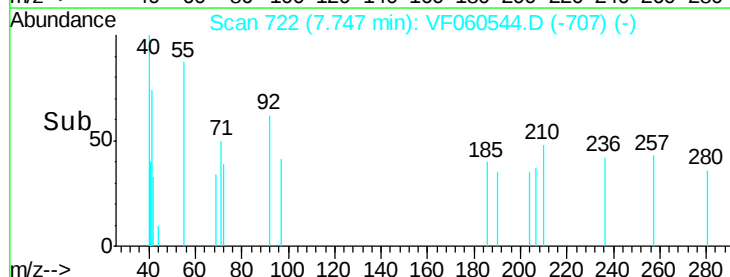
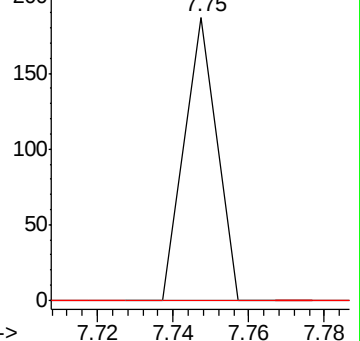
92 100

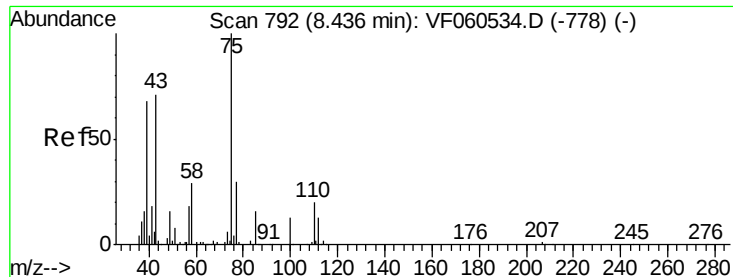
91 0.0 134.1 201.1#



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: 13.89 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.07 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampled :

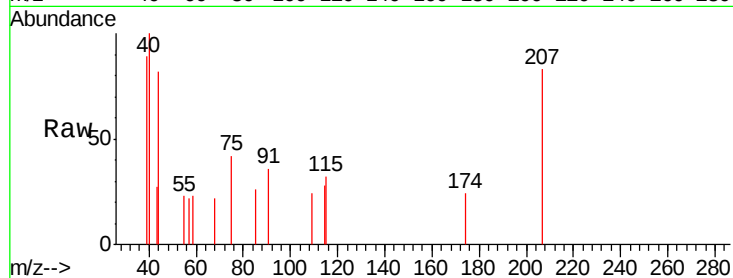
SB-1

Tgt Ion: 75 Resp: 117

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.51

200

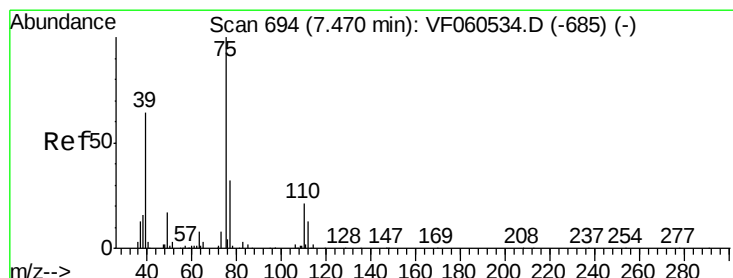
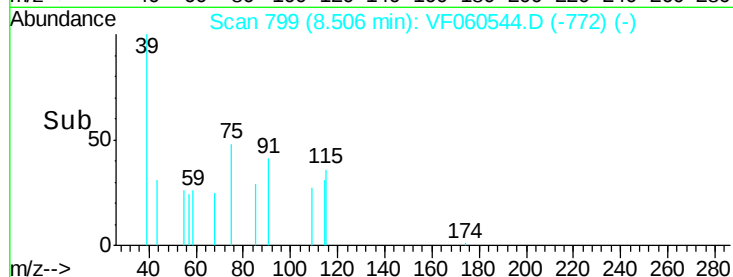
150

100

50

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 17.03 ug/l

RT: 7.49 min Scan# 696

Delta R.T. 0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

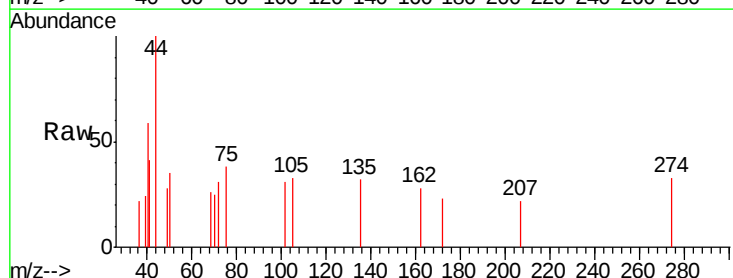
Tgt Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

39 62.3 51.5 77.3



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

500

400

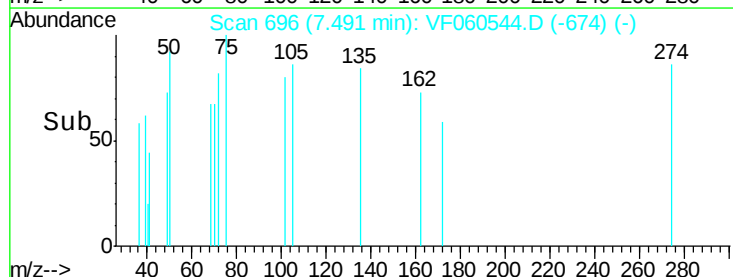
300

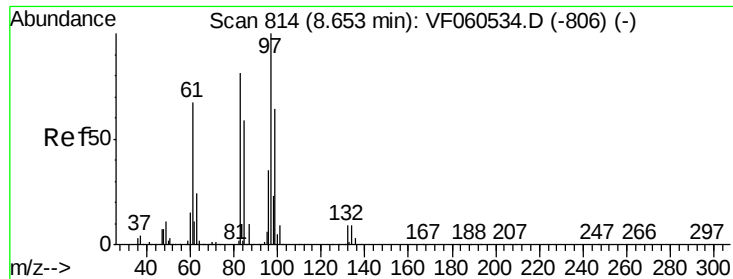
200

100

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 17.50 ug/l

RT: 8.73 min Scan# 822

Delta R.T. 0.08 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

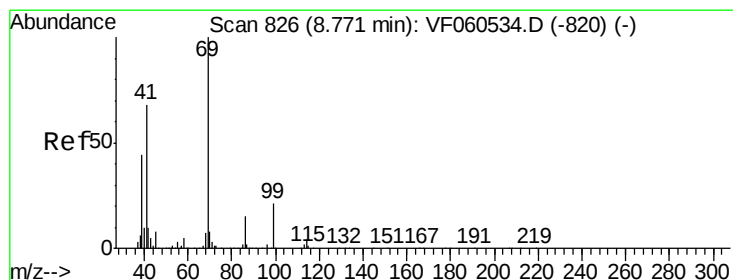
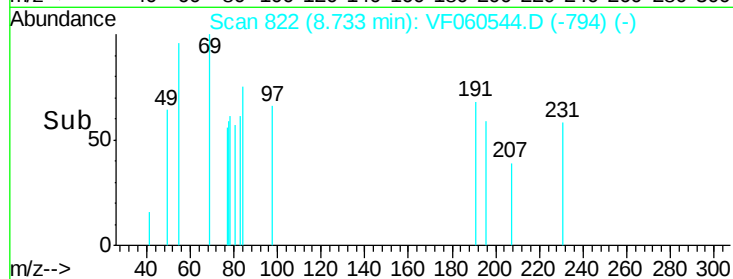
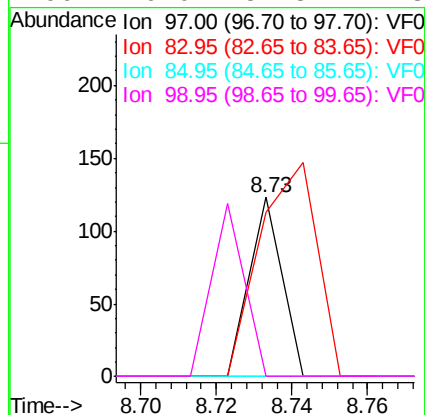
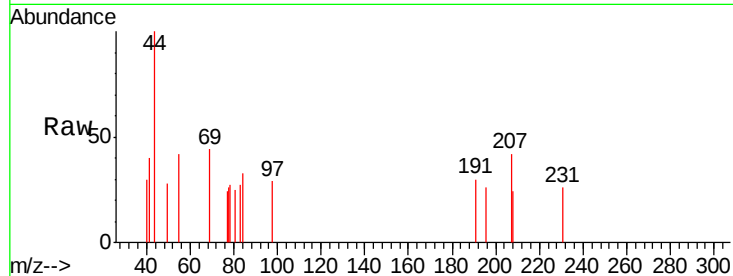
Instrument :

MSVOA_F

ClientSampled :

SB-1

Tgt Ion:	97	Resp:	73
Ion	Ratio	Lower	Upper
97	100		
83	91.9	65.3	97.9
85	0.0	47.6	71.4#
99	0.0	51.5	77.3#



#56

Ethyl methacrylate

Concen: 169.39 ug/l

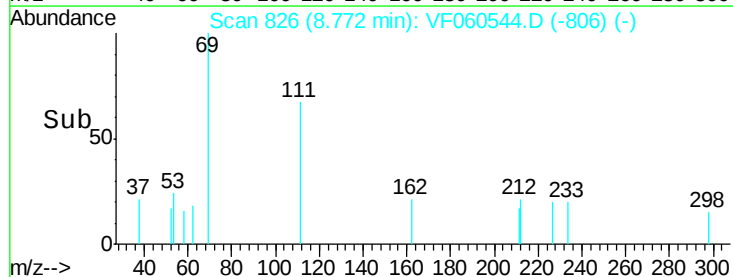
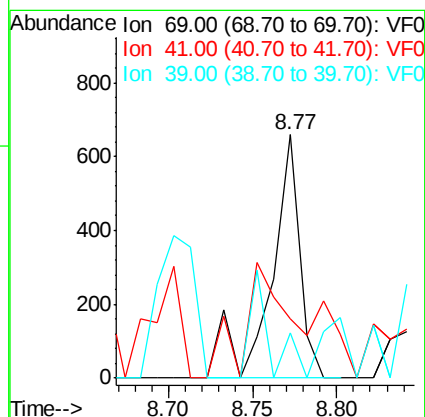
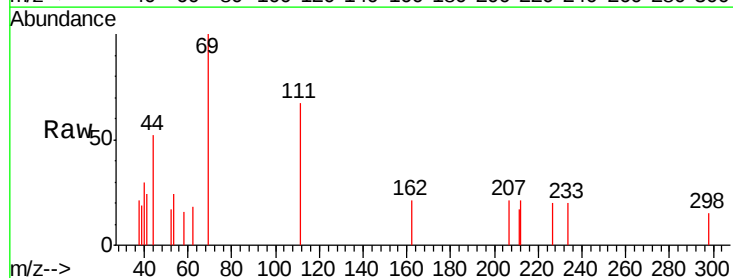
RT: 8.77 min Scan# 826

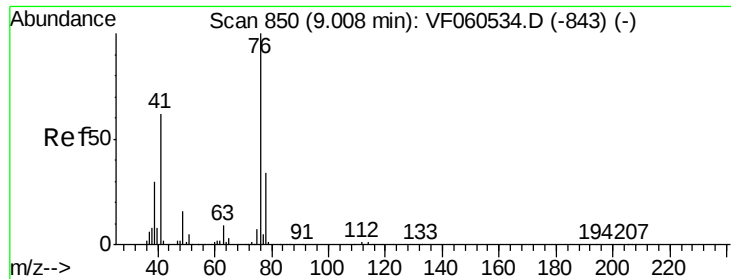
Delta R.T. 0.00 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Tgt Ion:	69	Resp:	793
Ion	Ratio	Lower	Upper
69	100		
41	24.4	55.0	82.6#
39	18.6	35.1	52.7#





#57

1,3-Dichloropropane

Concen: 9.21 ug/l

RT: 8.90 min Scan# 839

Delta R.T. -0.11 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampleId :

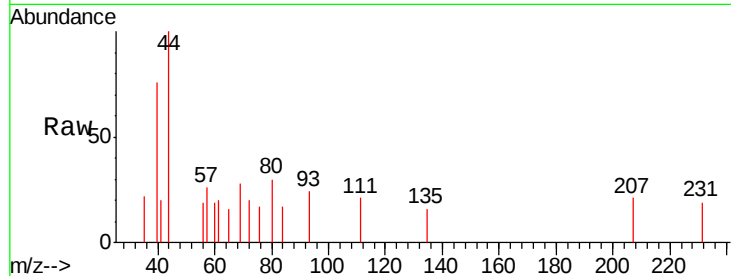
SB-1

Tgt Ion: 76 Resp: 65

Ion Ratio Lower Upper

76 100

78 0.0 27.3 40.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.90

120

100

80

60

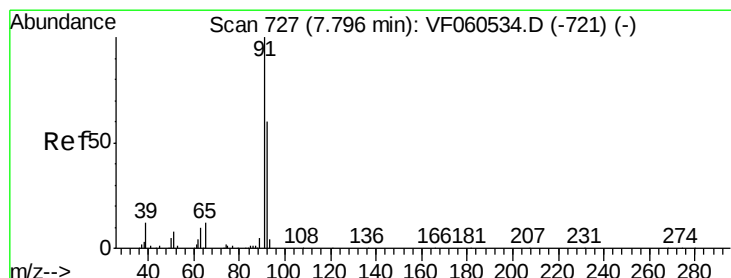
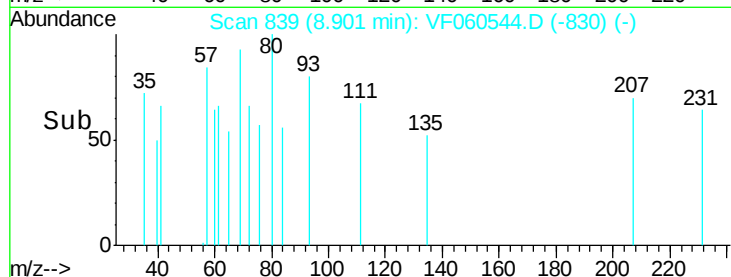
40

20

0

8.88 8.90 8.92

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 138.86 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.03 min

Lab File: VF060544.D

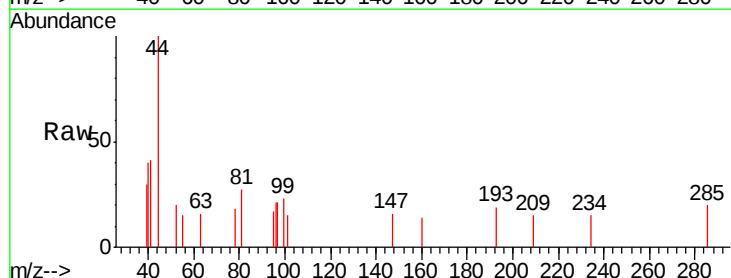
Acq: 30 Oct 2018 14:54

Tgt Ion: 63 Resp: 67

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

7.77

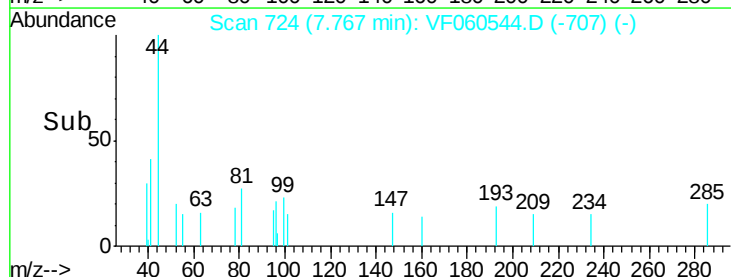
100

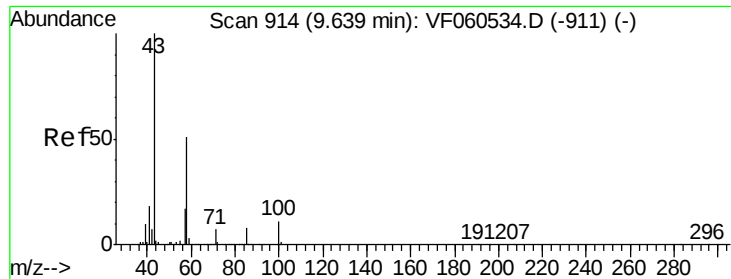
50

0

7.76 7.78

Time-->

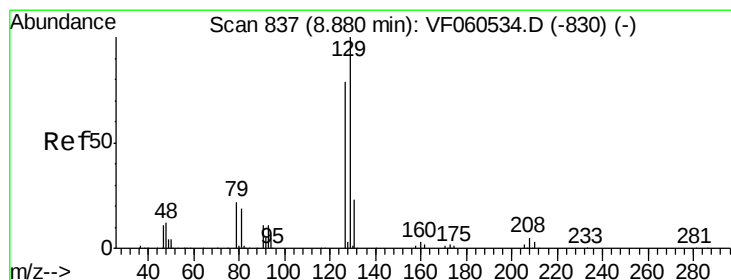
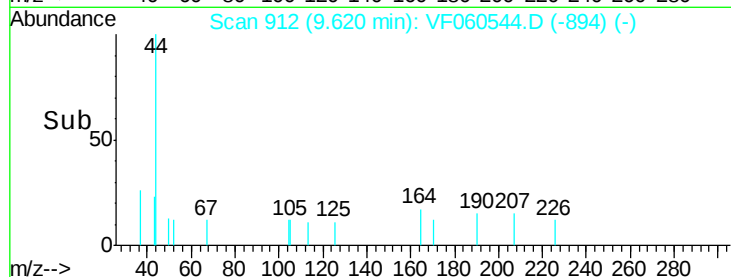
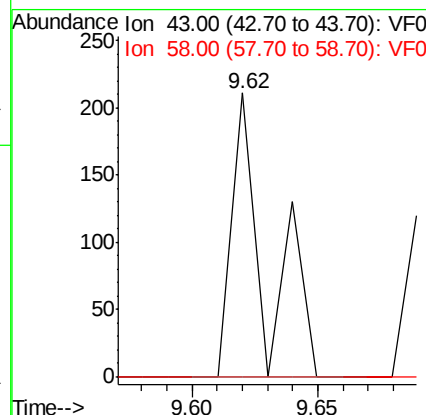
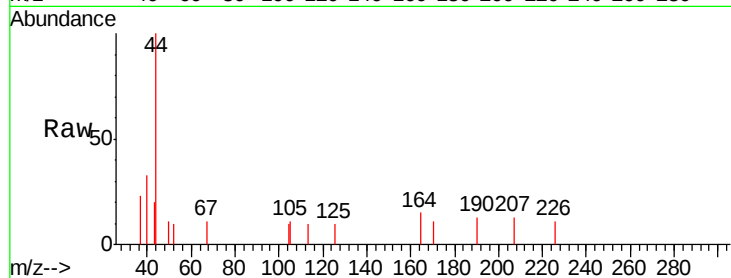




#59
2-Hexanone
Concen: 85.80 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.02 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

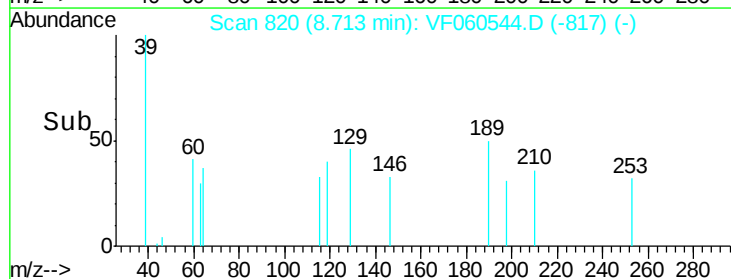
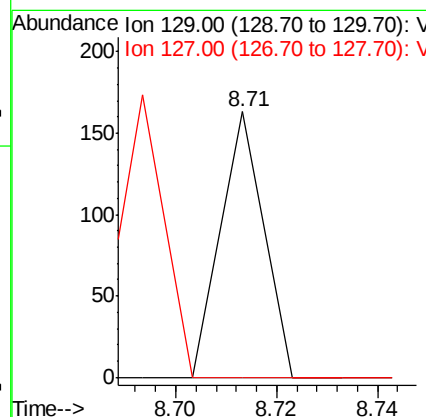
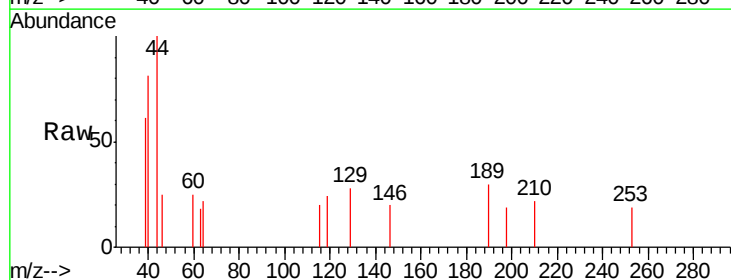
Instrument :
MSVOA_F
ClientSampleId :
SB-1

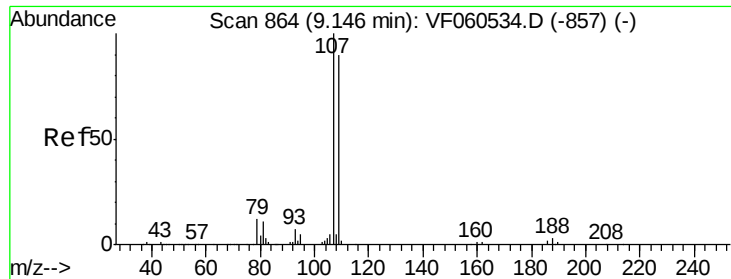
Tgt Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
58 0.0 24.1 72.3#



#60
Dibromochloromethane
Concen: 14.28 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.17 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 129 Resp: 96
Ion Ratio Lower Upper
129 100
127 0.0 39.6 119.0#





#61

1,2-Dibromoethane

Concen: 15.94 ug/l

RT: 9.06 min Scan# 855

Delta R.T. -0.09 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampleId :

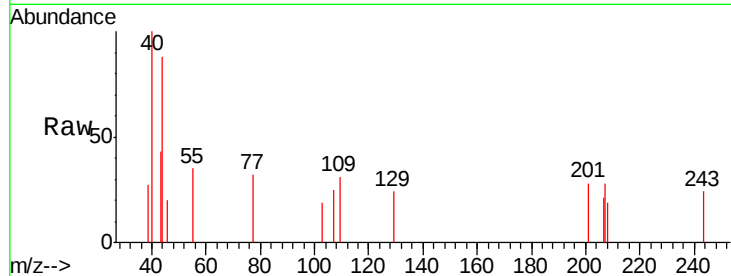
SB-1

Tgt Ion: 107 Resp: 77

Ion Ratio Lower Upper

107 100

109 127.7 72.2 108.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

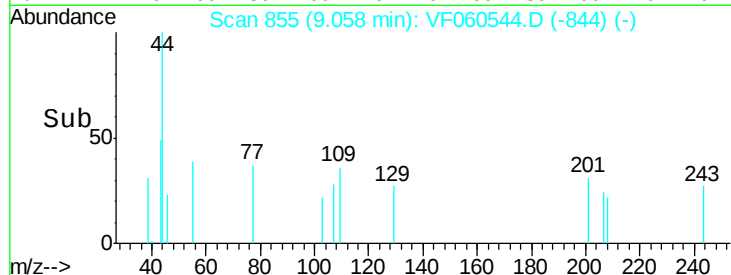
150

100

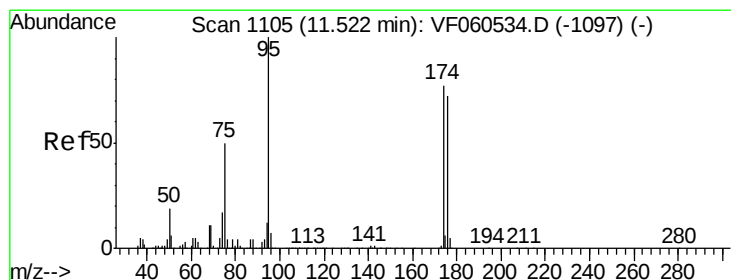
50

0

9.02 9.04 9.06 9.08



Time-->



#62

4-Bromofluorobenzene

Concen: 6.40 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

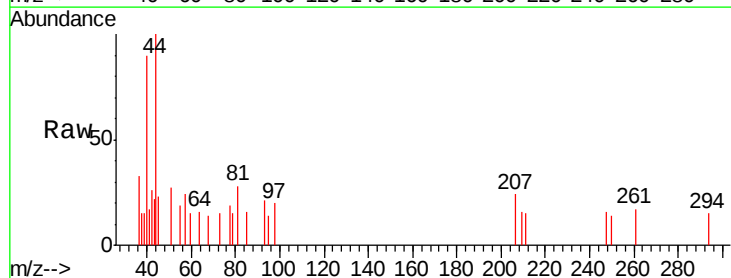
Tgt Ion: 95 Resp: 60

Ion Ratio Lower Upper

95 100

174 0.0 0.0 153.8

176 0.0 0.0 143.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

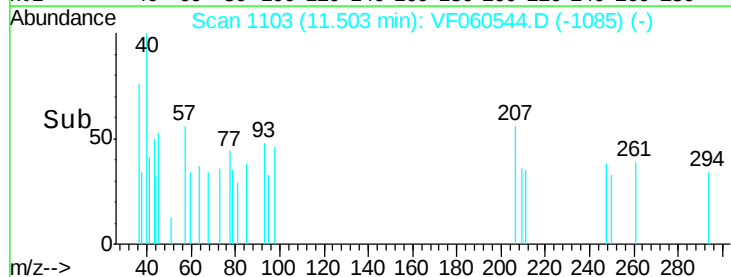
Ion 176.00 (175.70 to 176.70): V

100

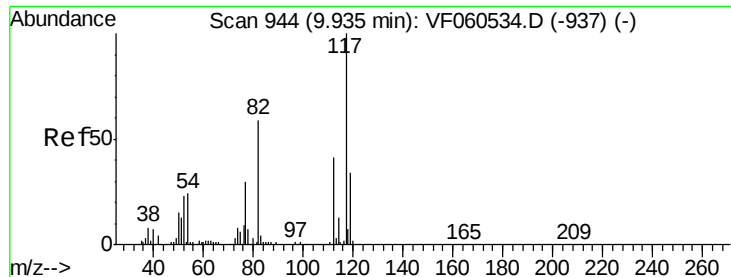
50

0

11.48 11.50 11.52



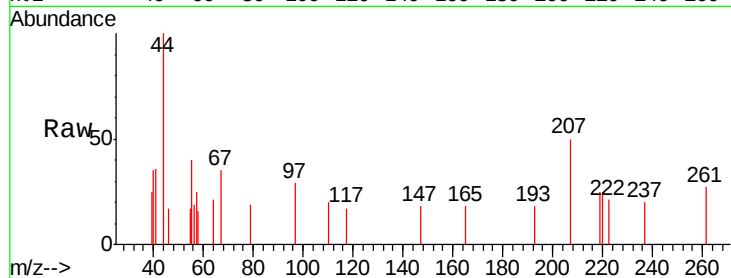
Time-->



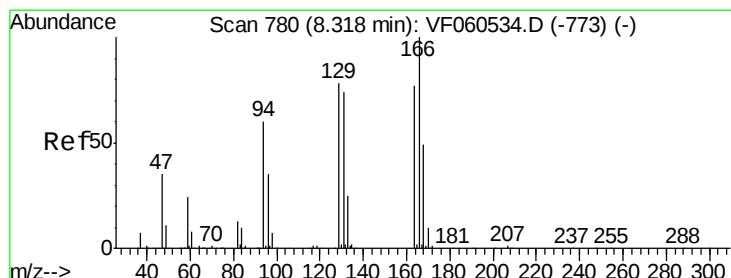
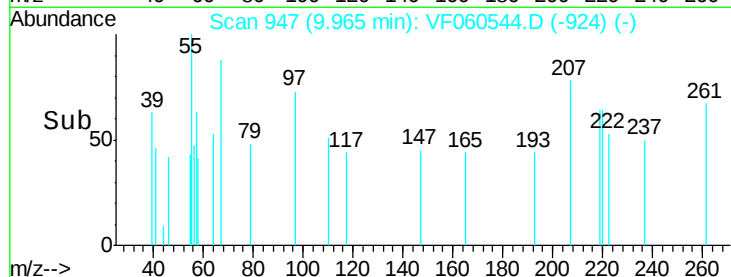
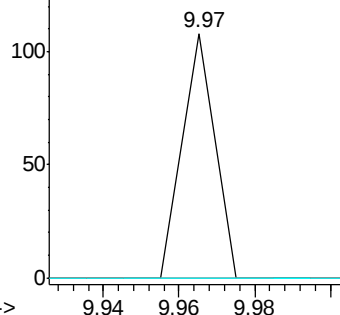
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.03 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	47.6	71.4#
119	0.0	27.3	40.9#

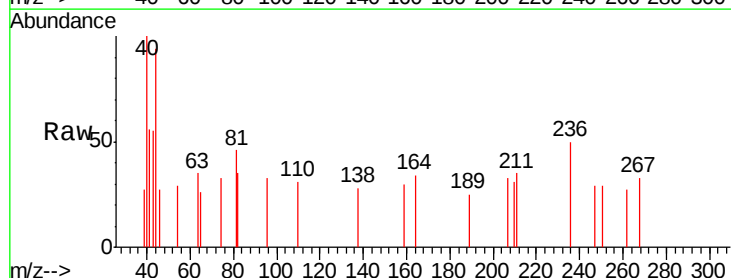


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

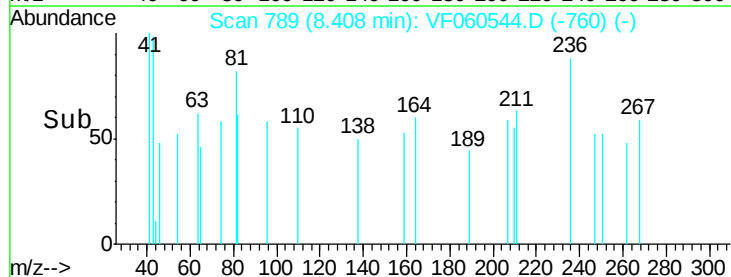
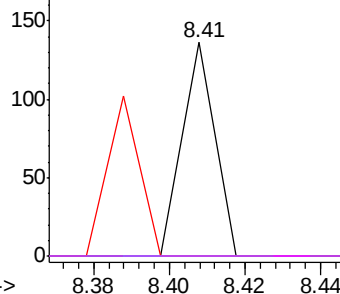


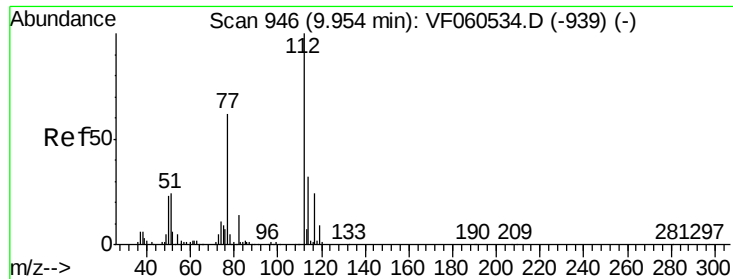
#64
Tetrachloroethene
Concen: 147.87 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.09 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.4	155.2#
129	0.0	80.7	121.1#
131	0.0	76.3	114.5#



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

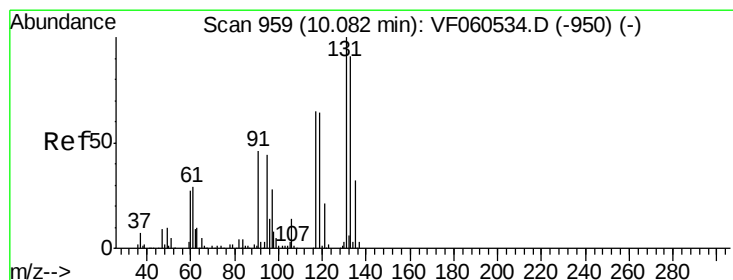
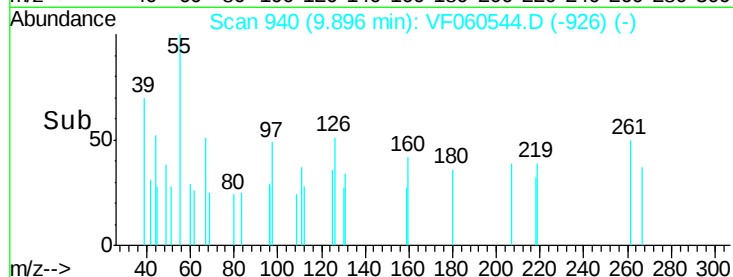
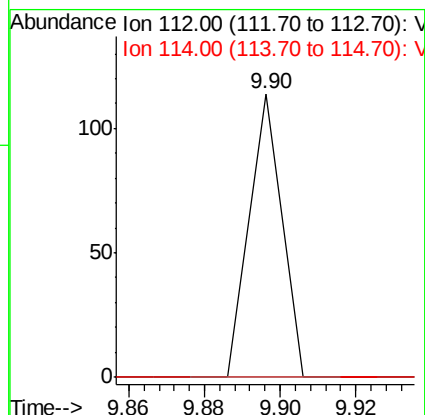
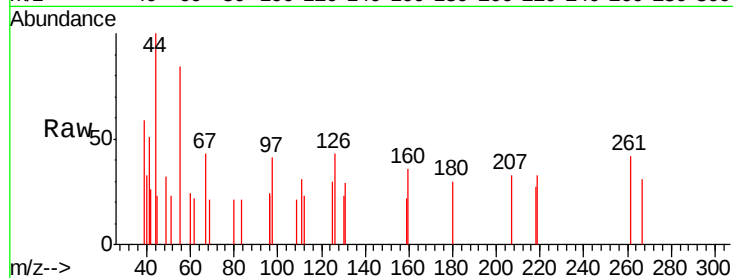




#65
Chlorobenzene
Concen: 52.03 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.06 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

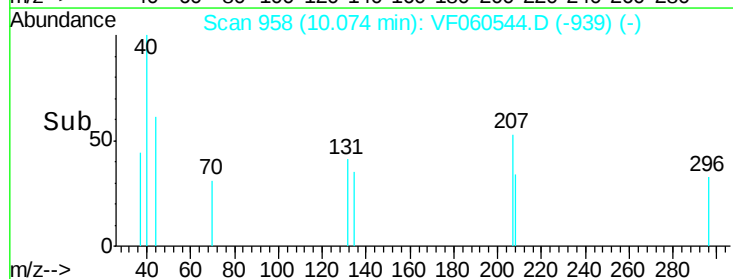
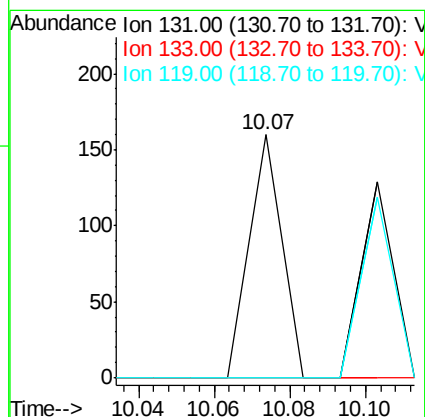
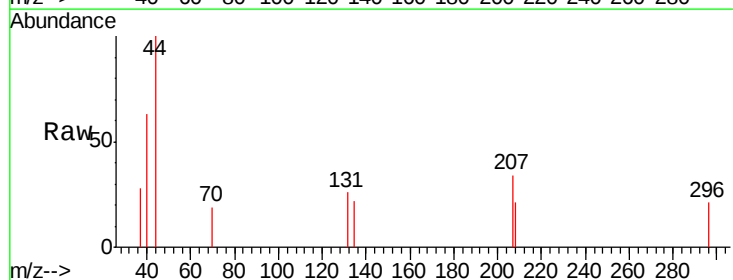
Instrument :
MSVOA_F
ClientSampled :
SB-1

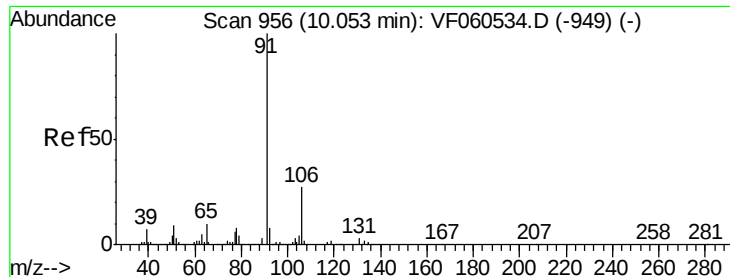
Tgt Ion:112 Resp: 67
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



#66
1,1,1,2-Tetrachloroethane
Concen: 161.91 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.01 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion:131 Resp: 95
Ion Ratio Lower Upper
131 100
133 0.0 45.8 137.3#
119 0.0 32.4 97.0#





#67

Ethyl Benzene

Concen: 41.86 ug/l

RT: 10.16 min Scan# 967

Delta R.T. 0.11 min

Lab File: VF060544.D

Acq: 30 Oct 2018 14:54

Instrument :

MSVOA_F

ClientSampleId :

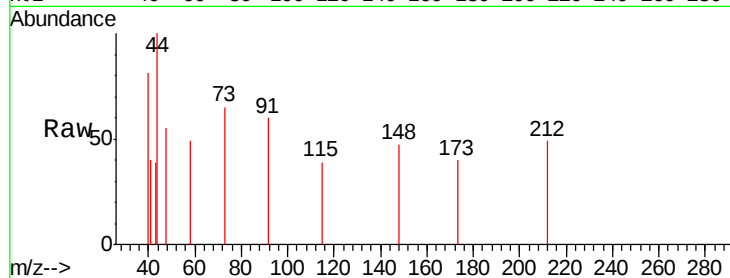
SB-1

Tgt Ion: 91 Resp: 103

Ion Ratio Lower Upper

91 100

106 0.0 21.9 32.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.16

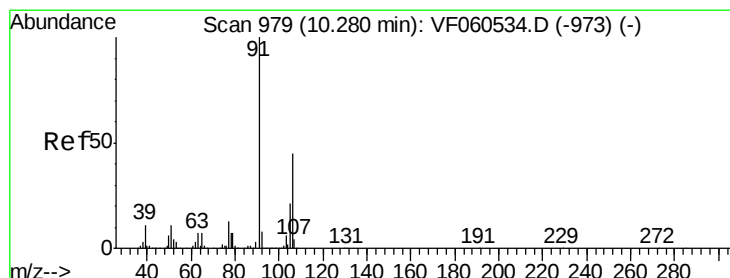
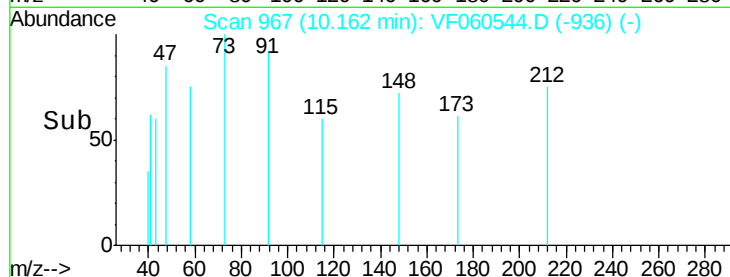
150

100

50

0

Time-->



#68

m/p-Xylenes

Concen: 85.69 ug/l

RT: 10.41 min Scan# 992

Delta R.T. 0.13 min

Lab File: VF060544.D

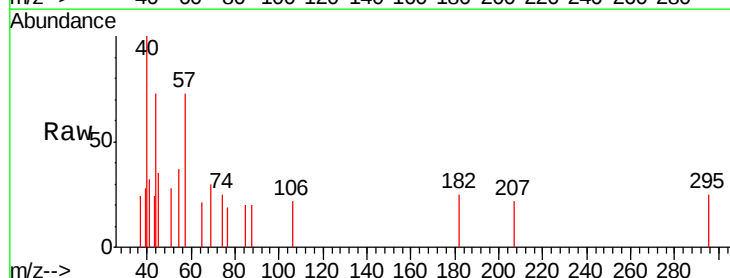
Acq: 30 Oct 2018 14:54

Tgt Ion: 106 Resp: 72

Ion Ratio Lower Upper

106 100

91 0.0 176.2 264.2#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

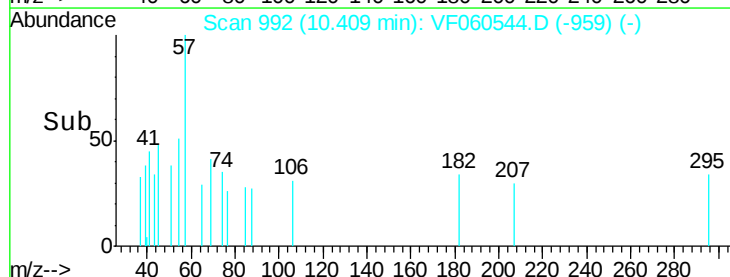
10.41

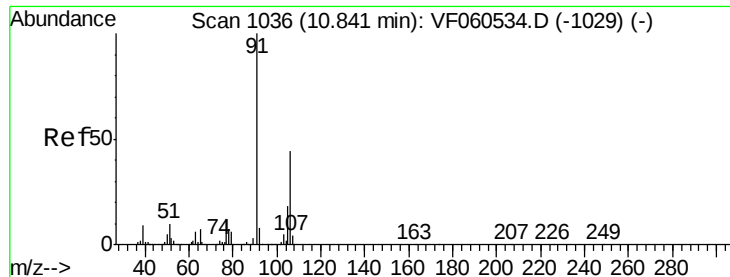
100

50

0

Time-->

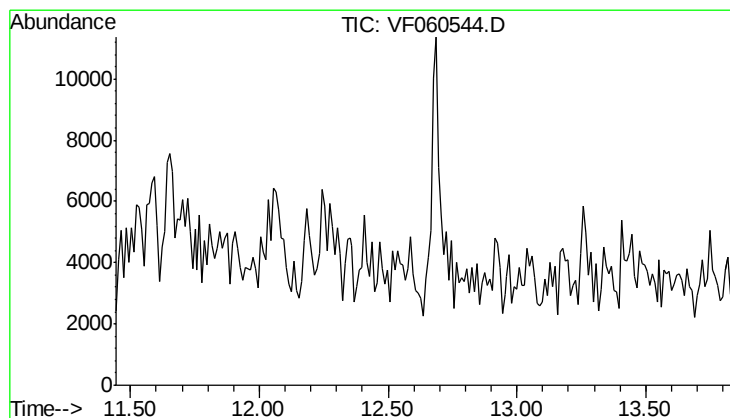
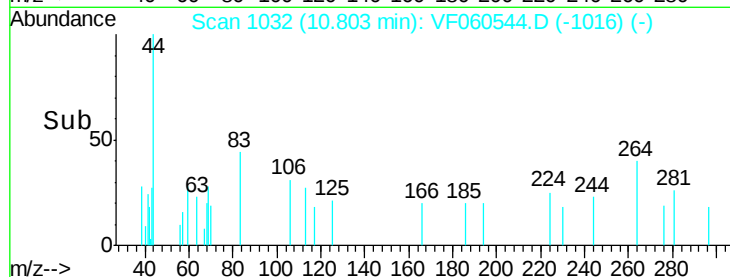
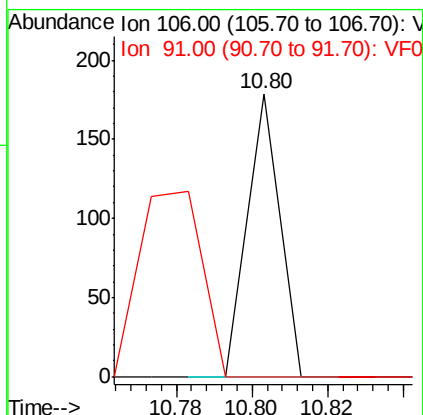
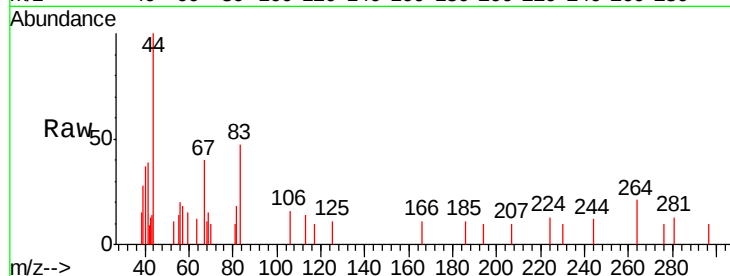




#69
o-Xylene
Concen: 112.02 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.04 min
Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Instrument :
MSVOA_F
ClientSampled :
SB-1

Tgt Ion: 106 Resp: 106
Ion Ratio Lower Upper
106 100
91 0.0 112.9 338.8#



#72
1,4-Dichlorobenzene-d4
Concen: 0.00 ug/l
Expected RT: 12.64 min

Lab File: VF060544.D
Acq: 30 Oct 2018 14:54

Tgt Ion: 152
Sig Exp Ratio
152 100
115 69.4
150 159.2

