

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008012.D
 Acq On : 12 Mar 2019 13:30
 Operator : JC/SP
 Sample : VX0312WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

Quant Time: Mar 13 05:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.67
34) 1,4-Difluorobenzene	6.58	114	924	50.00	ug/l	-0.28
63) Chlorobenzene-d5	9.94	117	288875	50.00	ug/l	-0.17
72) 1,4-Dichlorobenzene-d4	12.04	152	151261	50.00	ug/l	-0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.11	65	847	0.00	ug/l	0.04
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.30	98	410531	18912.66	ug/l	-0.41
Spiked Amount	50.000		Recovery	=	37825.32%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
Target Compounds						
					Qvalue	
36) 1,1-Dichloropropene	5.56	75	16054	1918.818	ug/l #	41
37) Ethyl Acetate	4.60	43	4203	423.321	ug/l #	68
39) Methylcyclohexane	7.20	83	55112	5436.151	ug/l #	19
41) Methacrylonitrile	4.93	41	15190	2806.154	ug/l #	50
42) 1,2-Dichloroethane	6.11	62	6008	737.567	ug/l	78
43) Isopropyl Acetate	6.13	43	38	2.586	ug/l #	60
45) 1,2-Dichloropropane	7.21	63	187	28.425	ug/l #	44
46) Dibromomethane	7.20	93	1606	385.751	ug/l #	1
48) Methyl methacrylate	7.62	41	13356	1728.818	ug/l #	36
49) 1,4-Dioxane	7.21	88	26	163.832	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	339042	35878.323	ug/l	100
52) Toluene	8.38	92	111088	7305.112	ug/l	99
53) t-1,3-Dichloropropene	8.72	75	58997	7160.956	ug/l	100
54) cis-1,3-Dichloropropene	7.95	75	67253	7228.735	ug/l	98
55) 1,1,2-Trichloroethane	8.92	97	46009	7473.965	ug/l	95
56) Ethyl methacrylate	8.90	69	66246	7167.318	ug/l	99
57) 1,3-Dichloropropane	9.10	76	75689	7322.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.81	63	179876	37622.399	ug/l	98
59) 2-Hexanone	9.26	43	256184	34918.573	ug/l	100
60) Dibromochloromethane	9.34	129	45977	7145.523	ug/l	99
61) 1,2-Dibromoethane	9.43	107	47680	7295.161	ug/l	99
65) Chlorobenzene	9.96	112	124588	20.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	44809	20.683	ug/l	99
67) Ethyl Benzene	10.22	91	323108	32.471	ug/l #	68
68) m/p-Xylenes	10.22	106	159945	41.702	ug/l	99
69) o-Xylene	10.59	106	77580	20.951	ug/l	100
70) Styrene	10.60	104	128396	21.190	ug/l	100
71) Bromoform	10.76	173	36177	19.444	ug/l #	98
73) Isopropylbenzene	10.93	105	212689	20.791	ug/l	100
74) N-amyl acetate	10.82	43	86638	18.551	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.20	83	67530	19.137	ug/l	99
76) 1,2,3-Trichloropropane	11.23	75	75396	23.754	ug/l	94
77) Bromobenzene	11.18	156	56486	20.140	ug/l	98
78) n-propylbenzene	11.29	91	229867	20.254	ug/l	99

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Instrument :
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 ClientSampleId :
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Quant Time: Mar 13 05:18:17 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

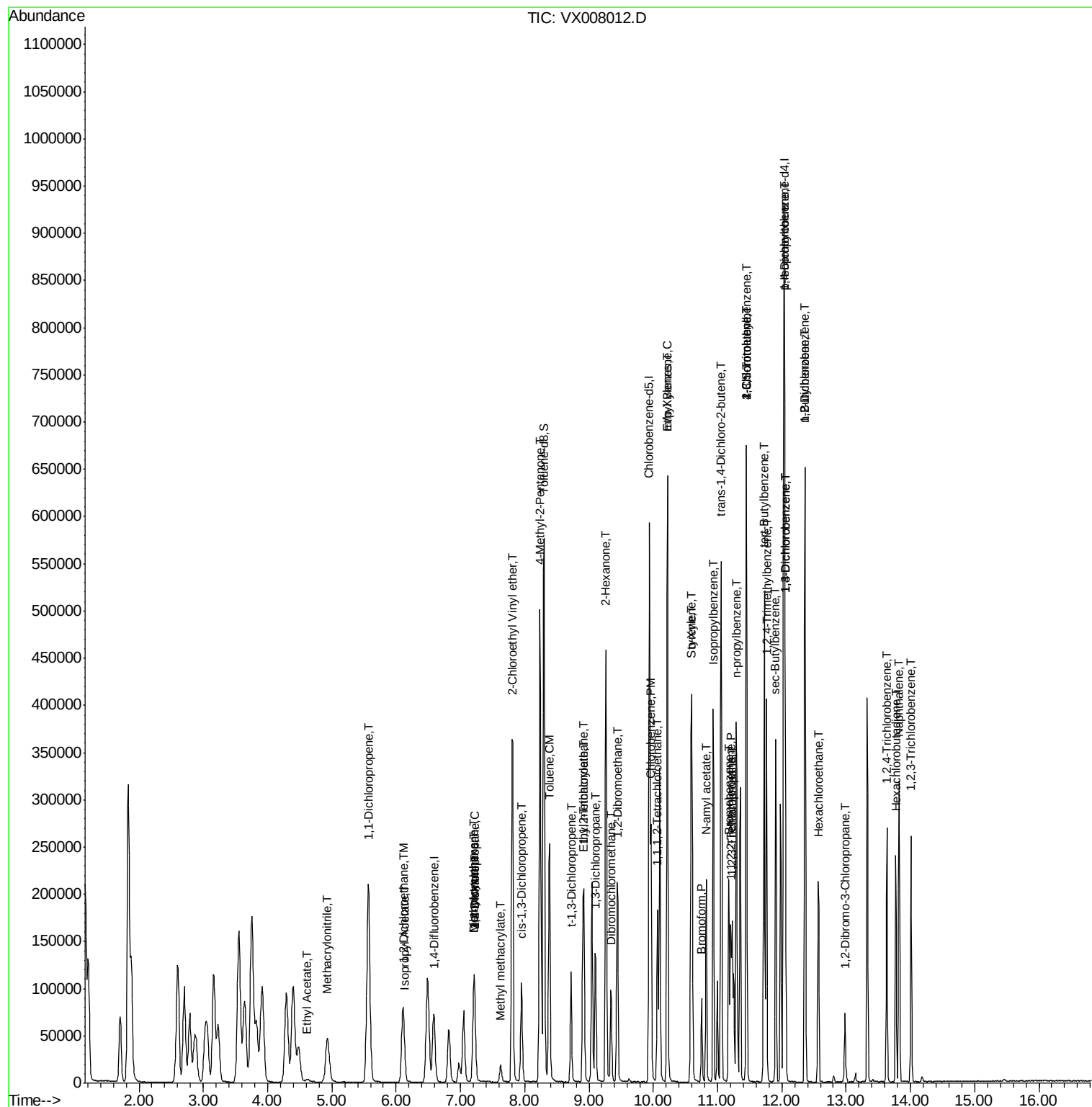
79) 2-Chlorotoluene	11.45	91	161091	23.215	ug/l	93
80) 1,3,5-Trimethylbenzene	11.45	105	175960	20.898	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	67317	67.792	ug/l #	11
82) 4-Chlorotoluene	11.45	91	161091	20.258	ug/l	100
83) tert-Butylbenzene	11.73	119	173418	20.447	ug/l	99
84) 1,2,4-Trimethylbenzene	11.76	105	178035	20.626	ug/l	98
85) sec-Butylbenzene	11.90	105	210334	21.057	ug/l	99
86) p-Isopropyltoluene	12.03	119	188170	21.035	ug/l	99
87) 1,3-Dichlorobenzene	12.05	146	100203	20.194	ug/l	99
88) 1,4-Dichlorobenzene	12.05	146	100203	19.719	ug/l	99
89) n-Butylbenzene	12.36	91	157740	20.813	ug/l	99
90) Hexachloroethane	12.57	117	29789	19.916	ug/l	100
91) 1,2-Dichlorobenzene	12.36	146	98771	20.037	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	13535	18.353	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	70367	20.321	ug/l	100
94) Hexachlorobutadiene	13.77	225	38941	21.509	ug/l	97
95) Naphthalene	13.82	128	196831	19.727	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	69437	20.129	ug/l	98

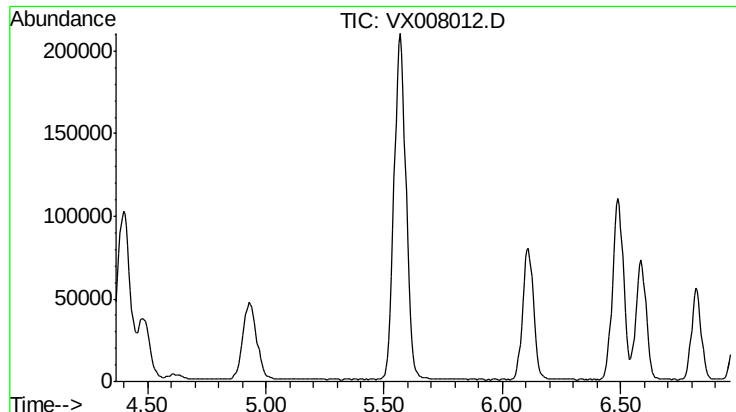
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031219\
Data File : VX008012.D
Acq On : 12 Mar 2019 13:30
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0312WBS01

Quant Time: Mar 13 05:18:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

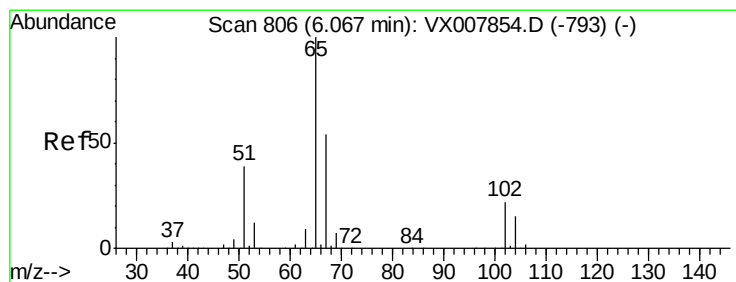
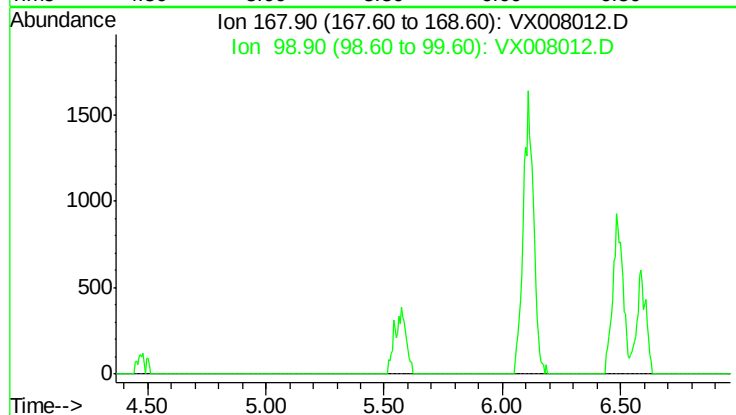




#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.67 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

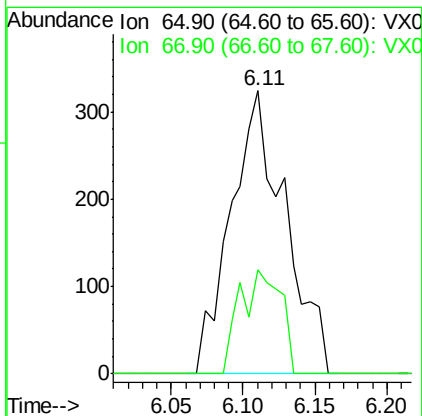
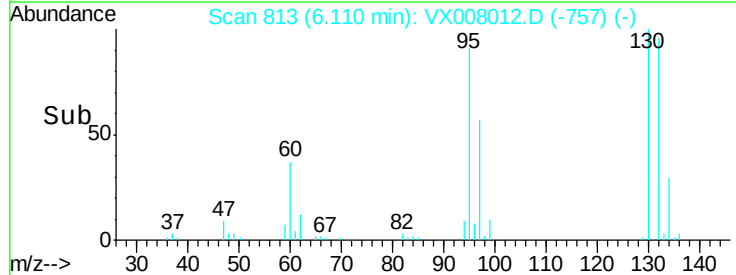
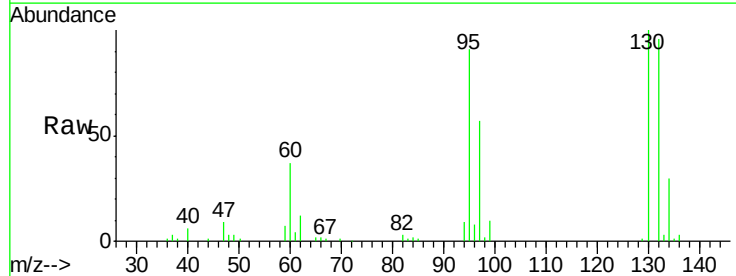
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

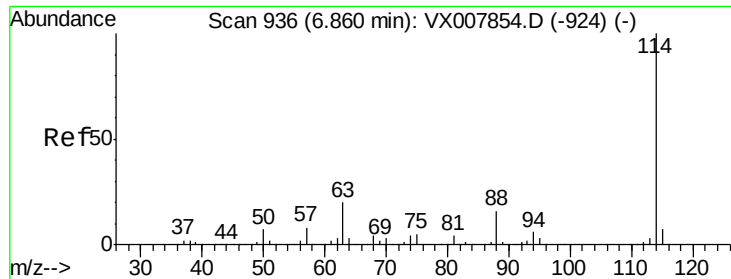
Tot Ion: 168
 Sig Exp Ratio
 168 100
 99 47.0



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 6.11 min Scan# 813
 Delta R.T. 0.04 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion: 65 Resp: 847
 Ion Ratio Lower Upper
 65 100
 67 27.7 0.0 110.0

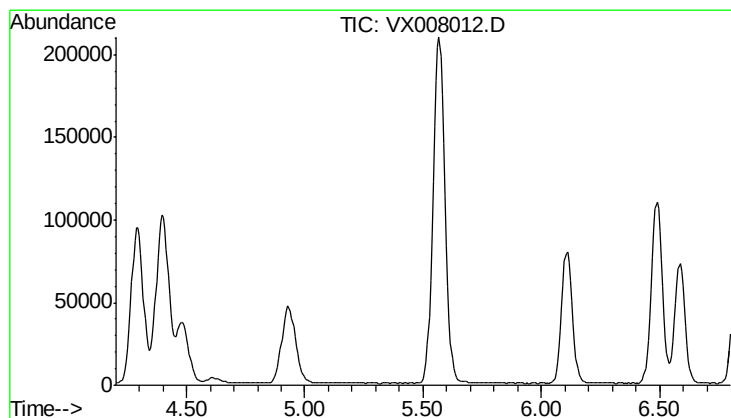
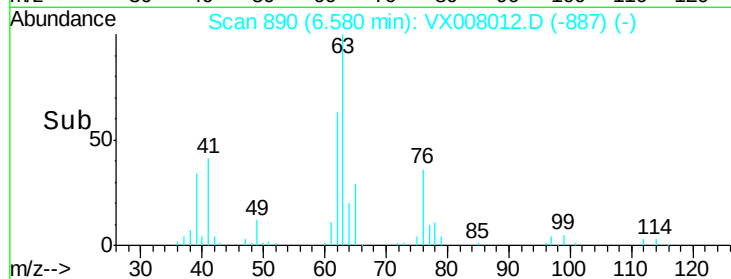
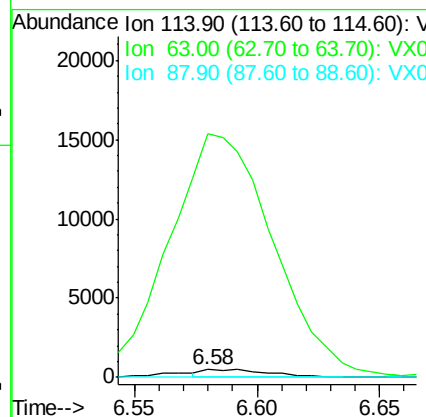
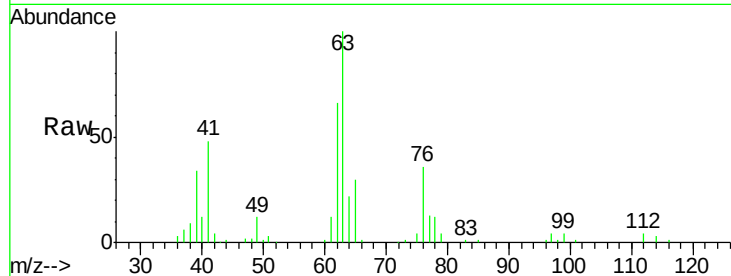




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.58 min Scan# 890
 Delta R.T. -0.28 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

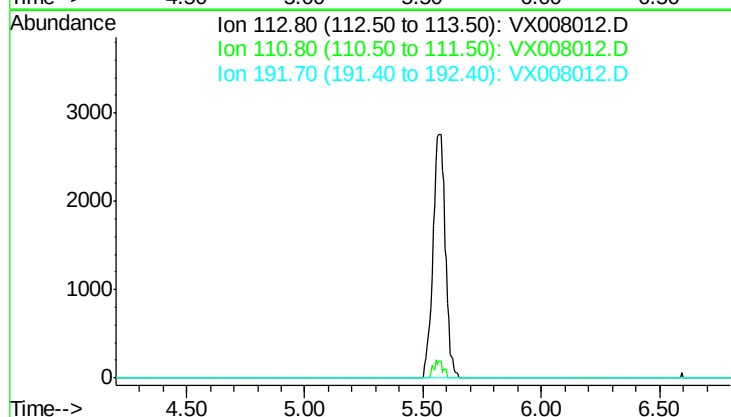
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

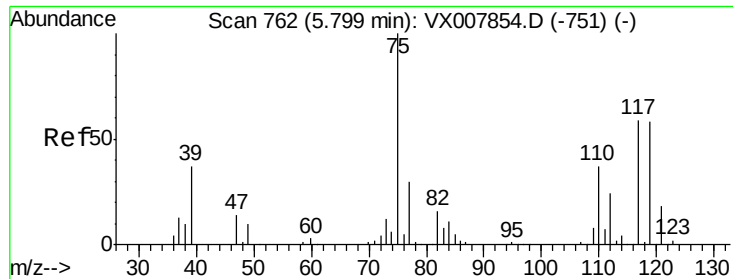
Tot Ion:114 Resp: 924
 Ion Ratio Lower Upper
 114 100
 63 3038.0 0.0 39.8#
 88 0.0 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.50 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.7
 192 24.2

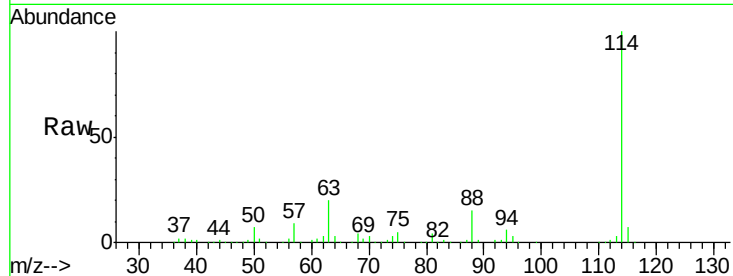




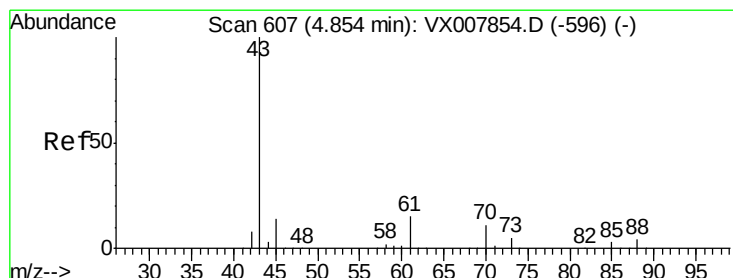
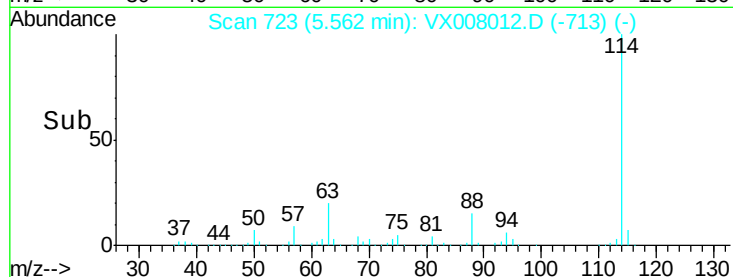
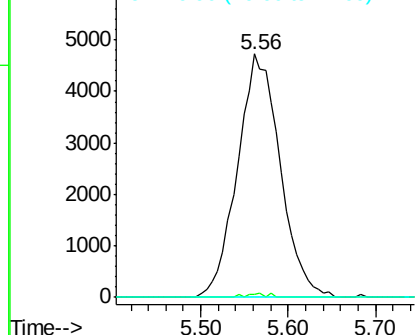
#36
 1,1-Dichloropropene
 Concen: 1918.818 ug/l
 RT: 5.56 min Scan# 723
 Delta R.T. -0.24 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

Tot Ion: 75 Resp: 16054
 Ion Ratio Lower Upper
 75 100
 110 0.7 18.4 55.0#
 77 0.0 25.0 37.4#

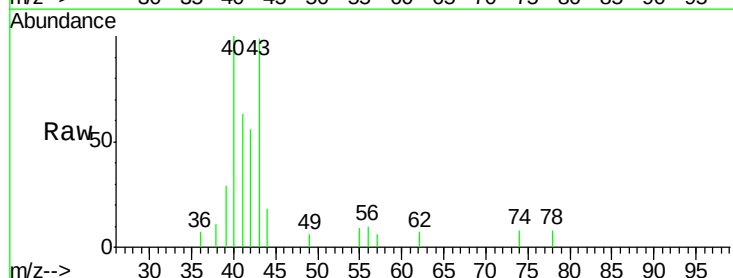


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

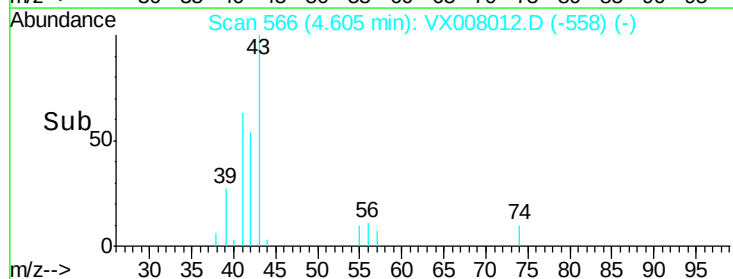
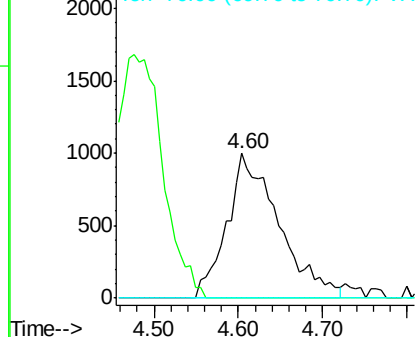


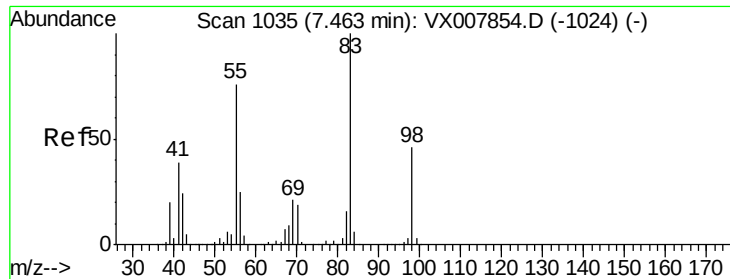
#37
 Ethyl Acetate
 Concen: 423.321 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. -0.25 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion: 43 Resp: 4203
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0

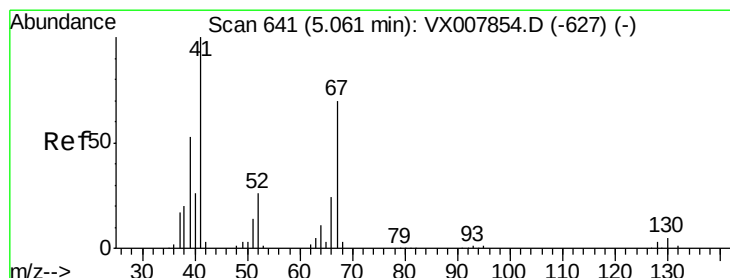
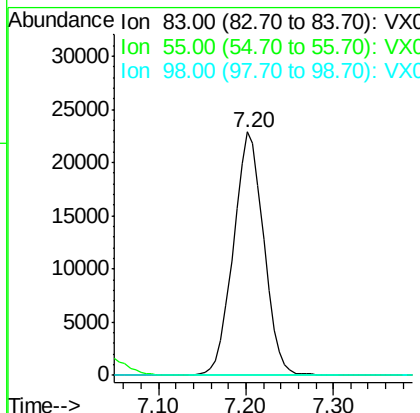
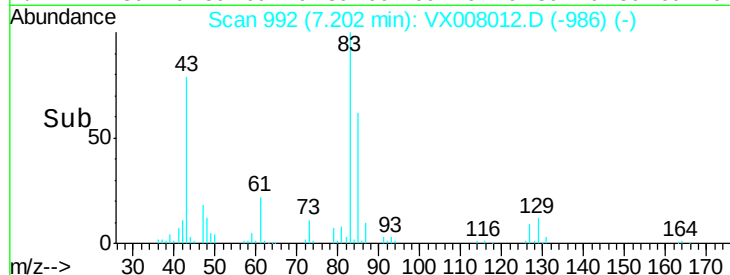
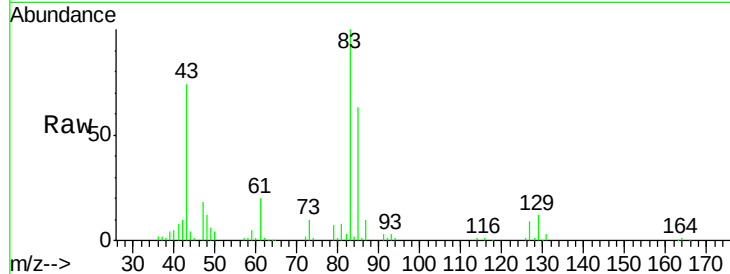




#39
Methylvlcyclohexane
Concen: 5436.151 ug/l
RT: 7.20 min Scan# 992
Delta R.T. -0.26 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

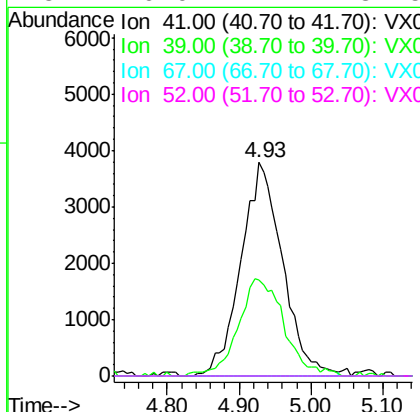
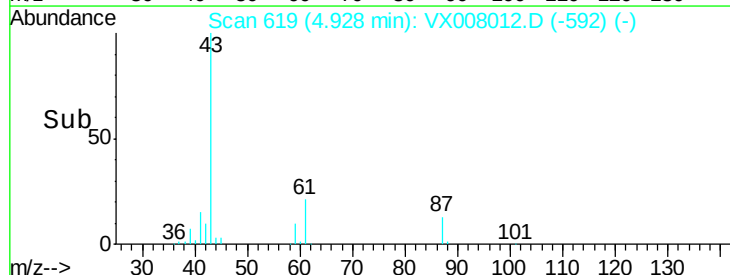
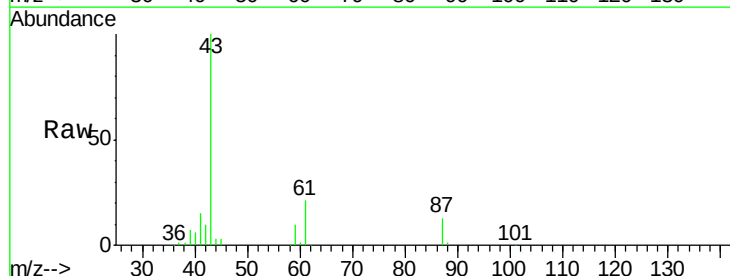
Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

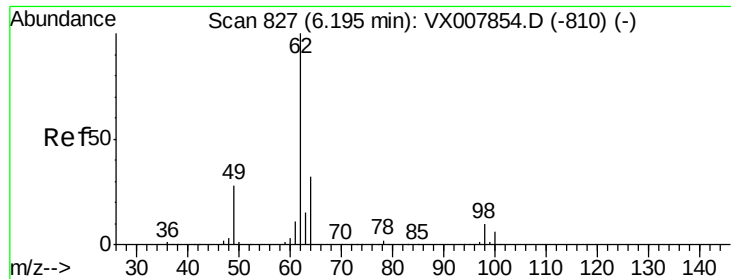
Tot Ion: 83 Resp: 55112
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 0.0 36.5 54.7#



#41
Methacrylonitrile
Concen: 2806.154 ug/l
RT: 4.93 min Scan# 619
Delta R.T. -0.13 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Tgt Ion: 41 Resp: 15190
Ion Ratio Lower Upper
41 100
39 50.1 41.6 62.4
67 0.0 55.8 83.6#
52 0.0 21.7 32.5#





#42

1,2-Dichloroethane

Concen: 737.567 ug/l

RT: 6.11 min Scan# 813

Delta R.T. -0.09 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

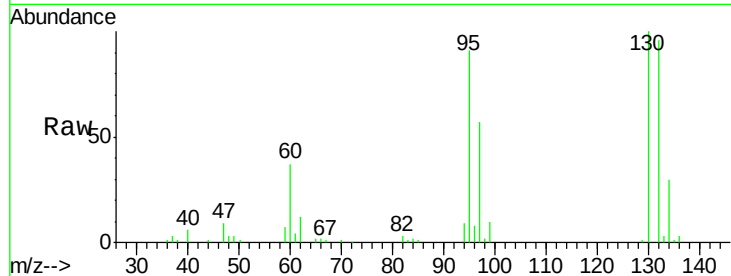
VX0312WBS01

Tot Ion: 62 Resp: 6008

Ion Ratio Lower Upper

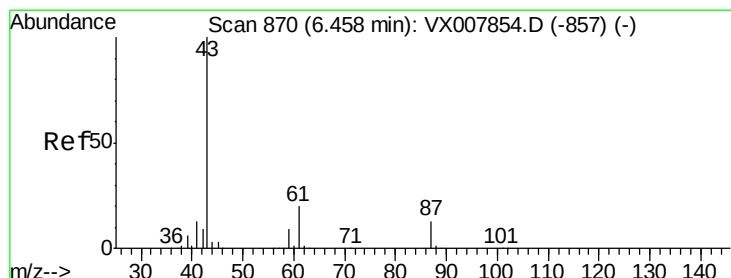
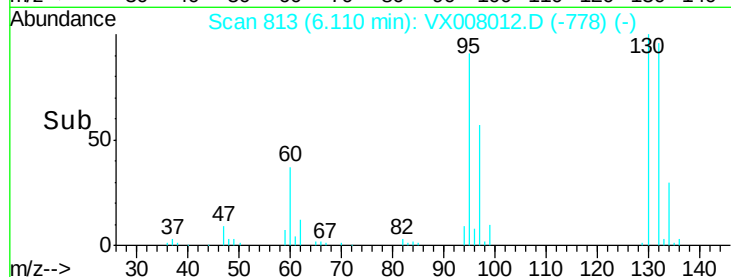
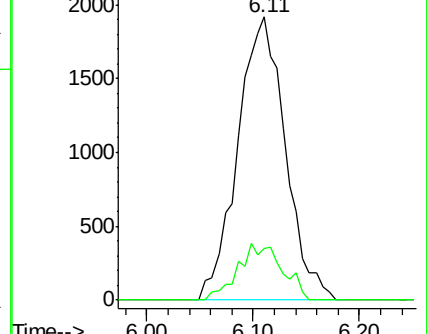
62 100

98 18.5 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 2.586 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.32 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

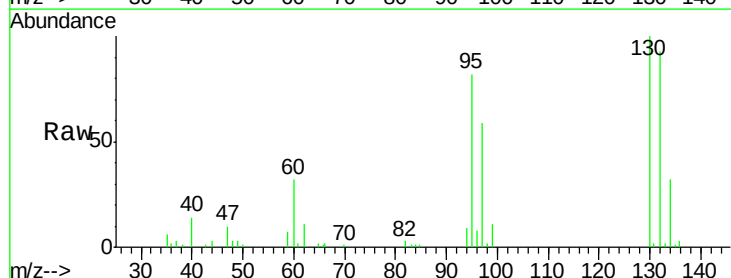
Tgt Ion: 43 Resp: 38

Ion Ratio Lower Upper

43 100

61 0.0 16.3 24.5#

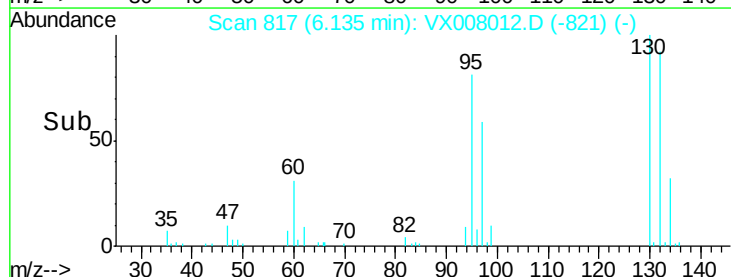
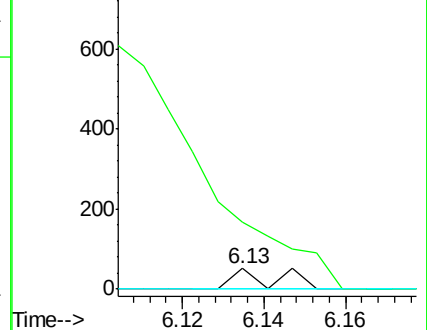
87 0.0 10.5 15.7#

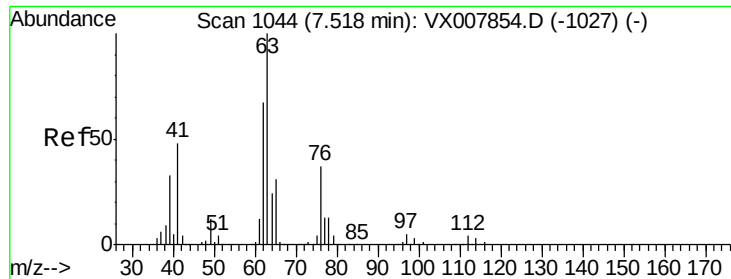


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#45

1,2-Dichloropropane

Concen: 28.425 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.30 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

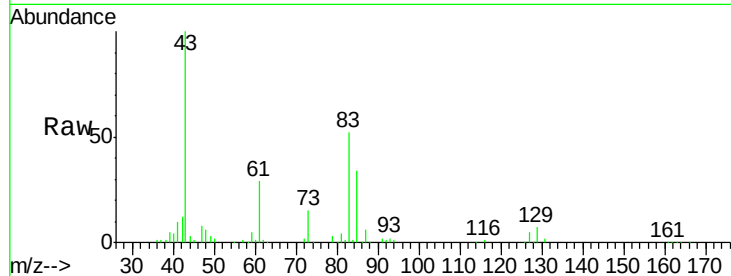
VX0312WBS01

Tot Ion: 63 Resp: 187

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.21

100

80

60

40

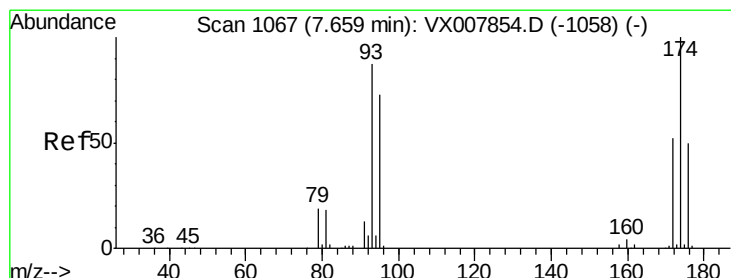
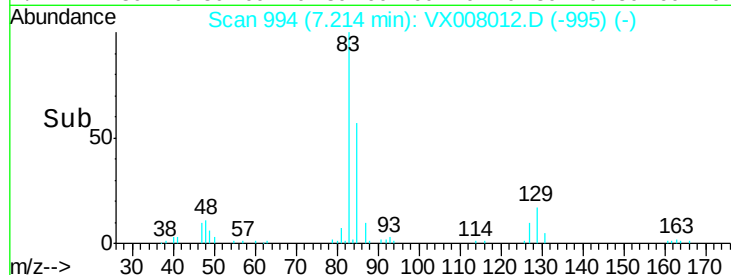
20

0

7.20

7.25

Time-->



#46

Dibromomethane

Concen: 385.751 ug/l

RT: 7.20 min Scan# 992

Delta R.T. -0.46 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

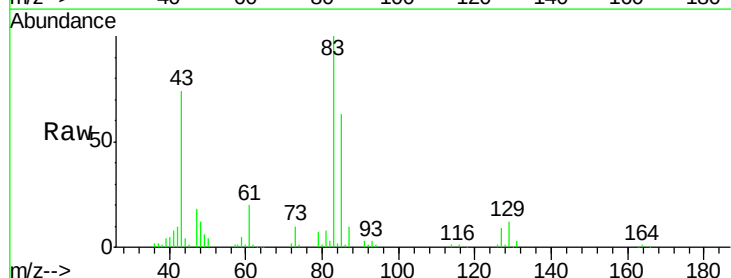
Tgt Ion: 93 Resp: 1606

Ion Ratio Lower Upper

93 100

95 0.0 66.8 100.2#

174 0.0 97.3 145.9#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

800

600

400

200

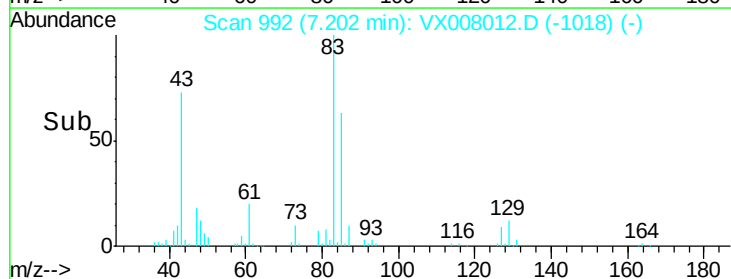
0

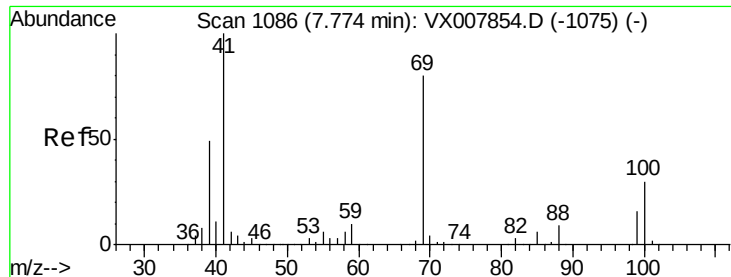
7.15

7.20

7.25

Time-->

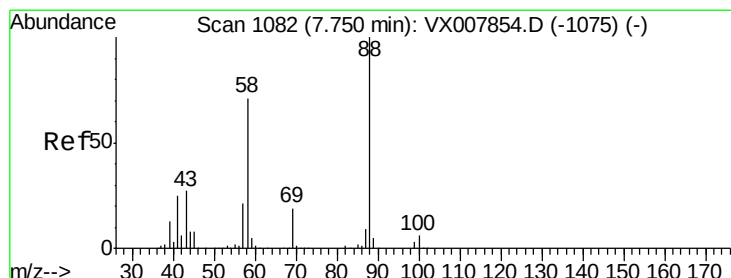
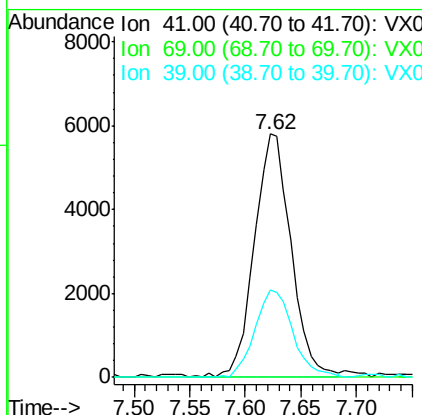
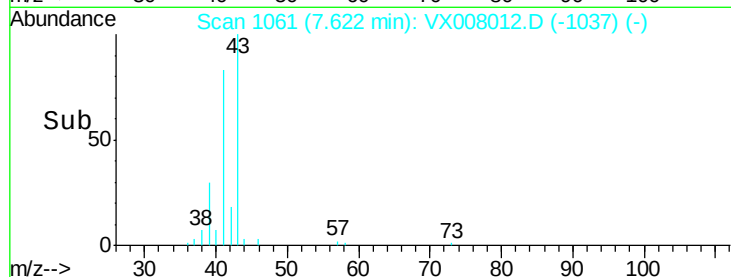
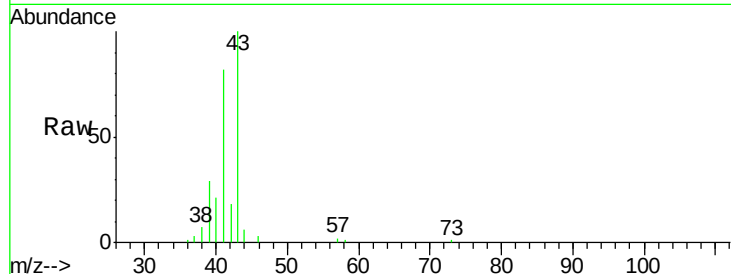




#48
Methvl methacrylate
Concen: 1728.818 ug/l
RT: 7.62 min Scan# 1061
Delta R.T. -0.15 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

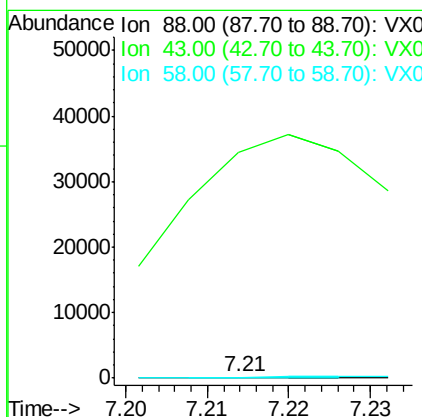
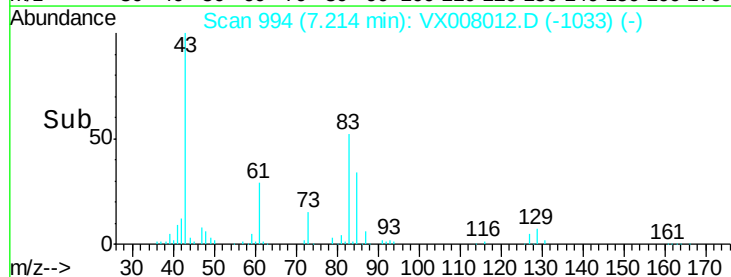
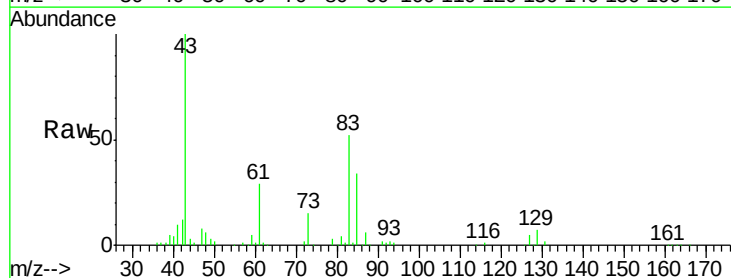
Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

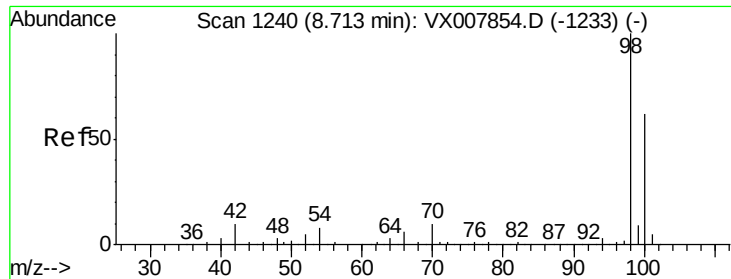
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.2	97.8#
39	37.1	39.4	59.2#



#49
1,4-Dioxane
Concen: 163.832 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.54 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
88	100		
43	339519.2	25.1	37.7#
58	1911.5	57.8	86.6#





#50

Toluene-d8

Concen: 18912.659 ug/l

RT: 8.30 min Scan# 1172

Delta R.T. -0.41 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

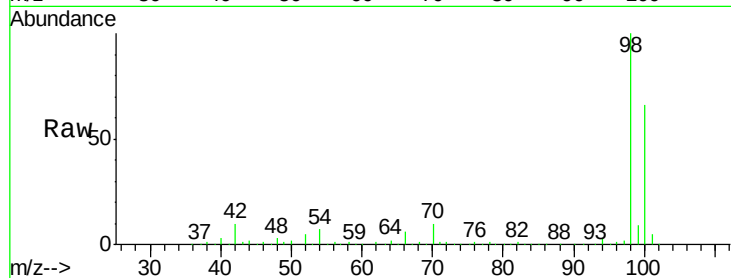
VX0312WBS01

Tot Ion: 98 Resp: 410531

Ion Ratio Lower Upper

98 100

100 65.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

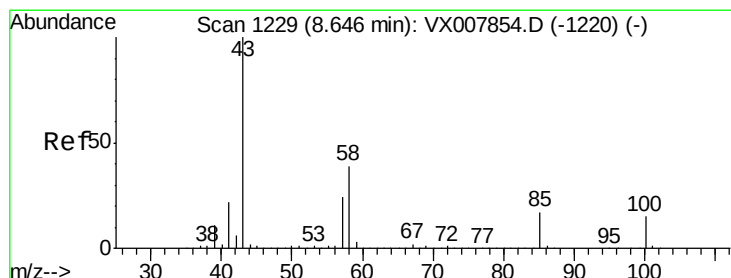
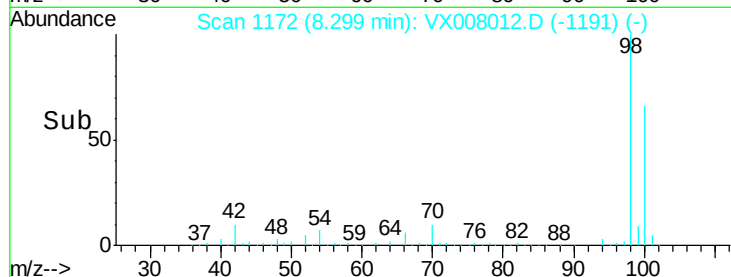
100000

50000

0

8.20 8.30 8.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 35878.323 ug/l

RT: 8.24 min Scan# 1162

Delta R.T. -0.41 min

Lab File: VX008012.D

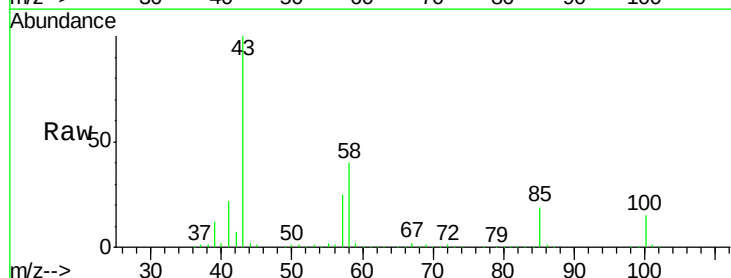
Acq: 12 Mar 2019 13:30

Tgt Ion: 43 Resp: 339042

Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200000

150000

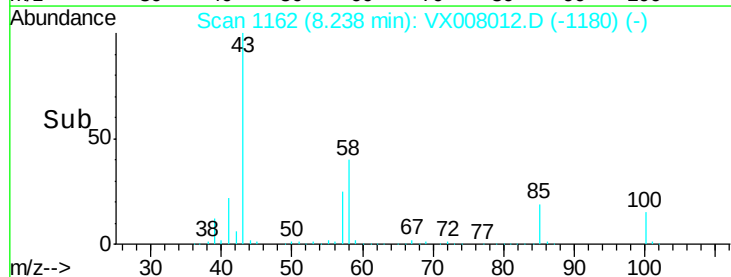
100000

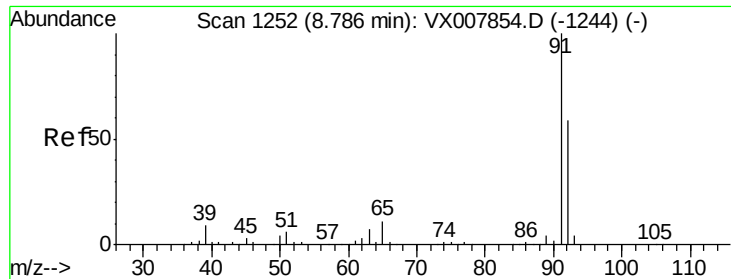
50000

0

8.10 8.20 8.30 8.40

Time-->





#52

Toluene

Concen: 7305.112 ug/l

RT: 8.38 min Scan# 1186

Delta R.T. -0.40 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

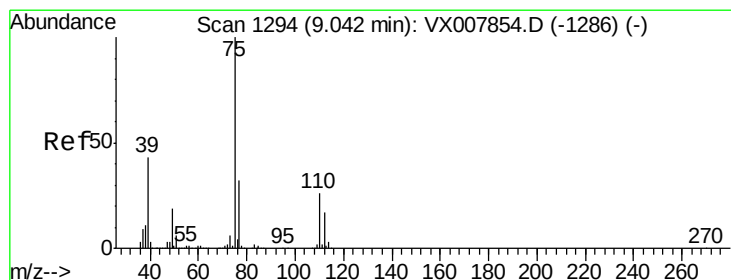
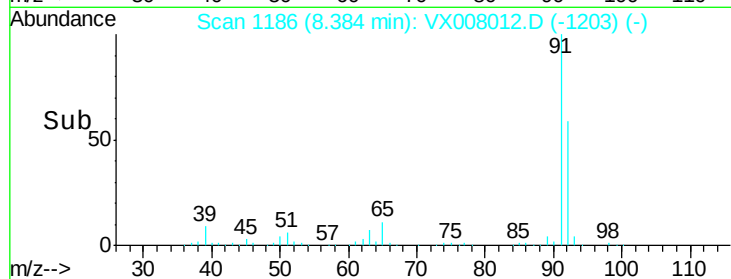
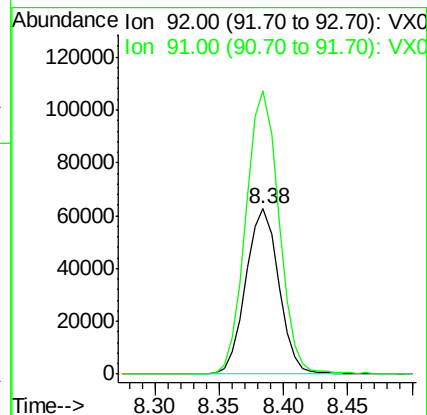
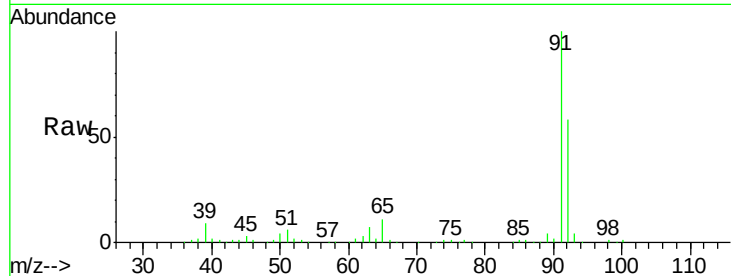
VX0312WBS01

Tot Ion: 92 Resp: 111088

Ion Ratio Lower Upper

92 100

91 172.5 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 7160.956 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.32 min

Lab File: VX008012.D

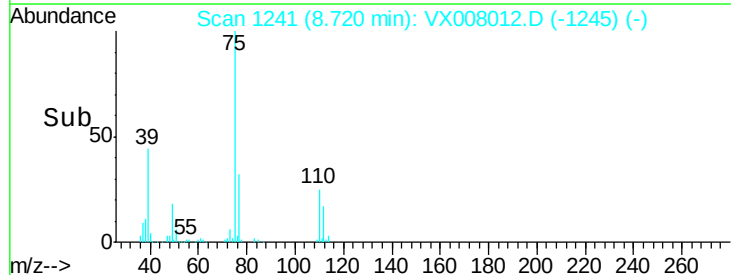
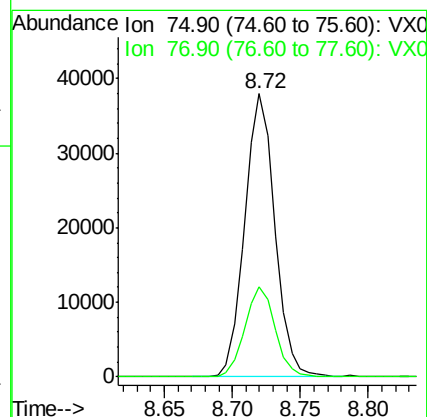
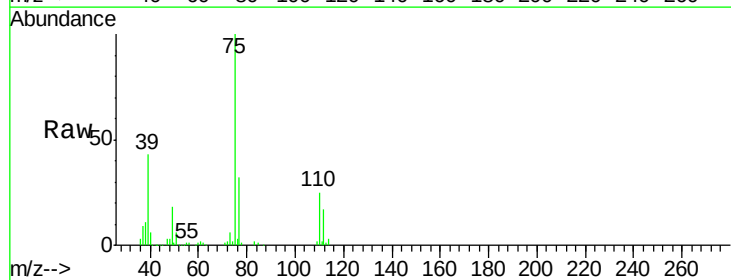
Acq: 12 Mar 2019 13:30

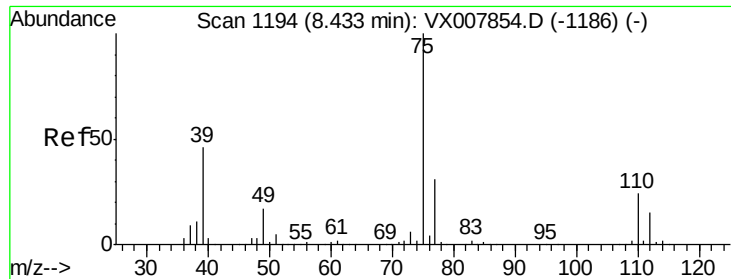
Tgt Ion: 75 Resp: 58997

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



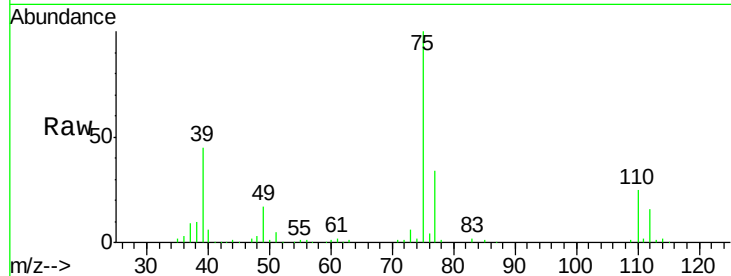


#54

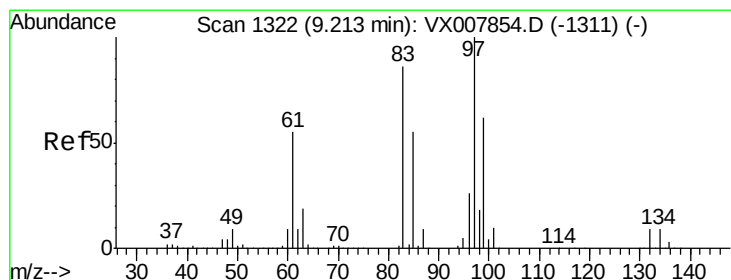
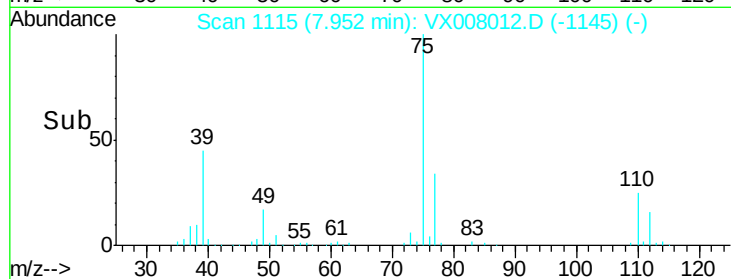
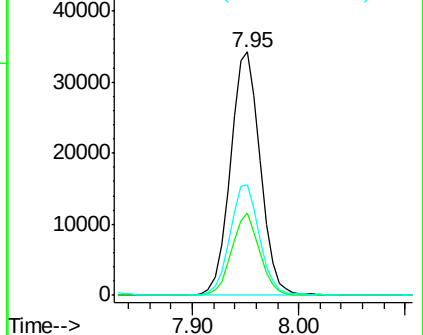
cis-1,3-Dichloropropene
Concen: 7228.735 ug/l
RT: 7.95 min Scan# 1115
Delta R.T. -0.48 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.0	37.6
39	45.3	36.6	54.8



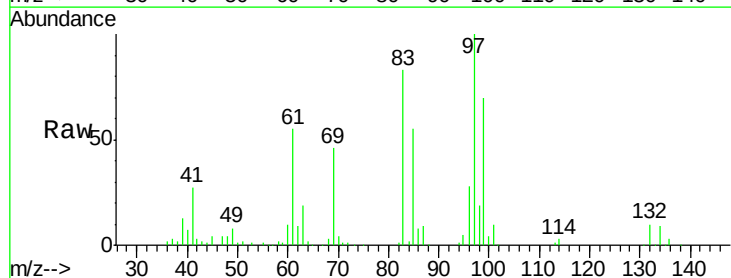
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



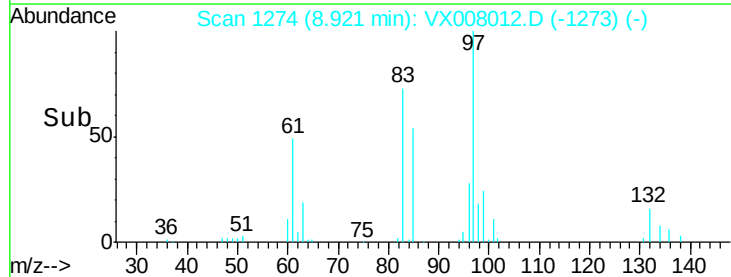
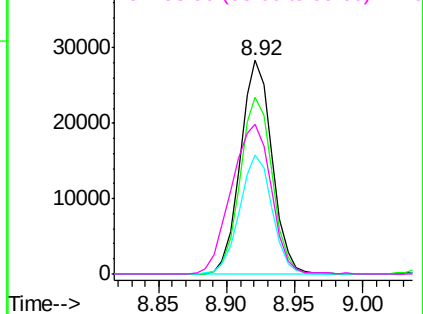
#55

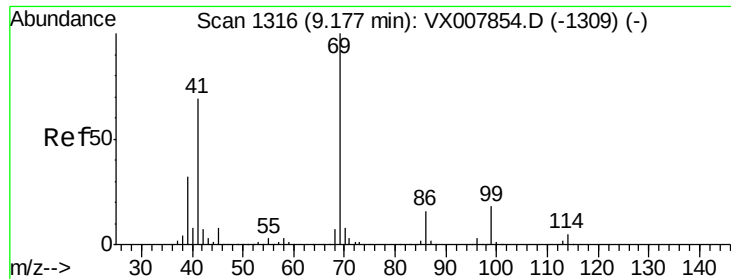
1,1,2-Trichloroethane
Concen: 7473.965 ug/l
RT: 8.92 min Scan# 1274
Delta R.T. -0.29 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.1	103.7
85	55.5	44.3	66.5
99	70.1	49.8	74.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 7167.318 ug/l

RT: 8.90 min Scan# 1271

Delta R.T. -0.27 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01

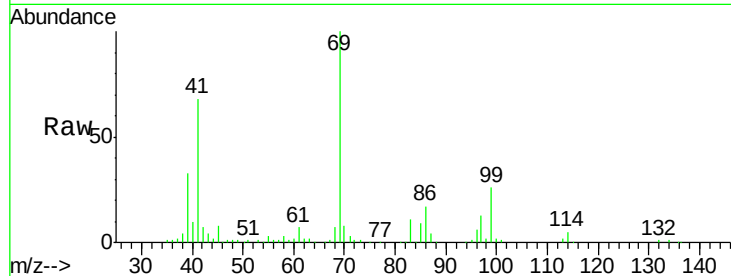
Tot Ion: 69 Resp: 66246

Ion Ratio Lower Upper

69 100

41 67.5 54.2 81.4

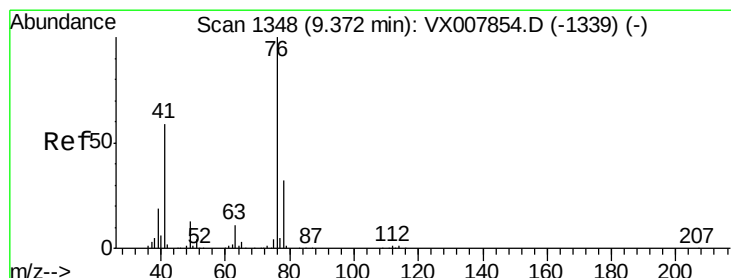
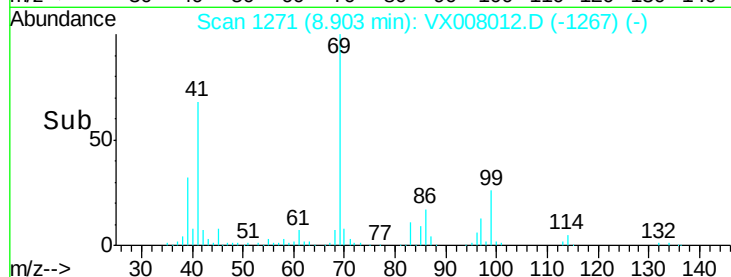
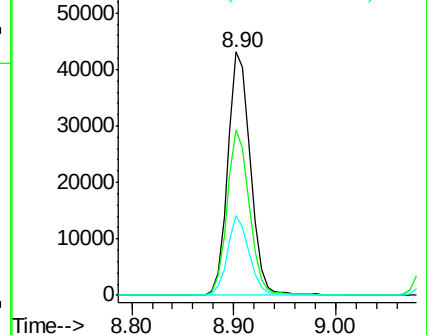
39 31.9 25.0 37.4



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 7322.726 ug/l

RT: 9.10 min Scan# 1303

Delta R.T. -0.27 min

Lab File: VX008012.D

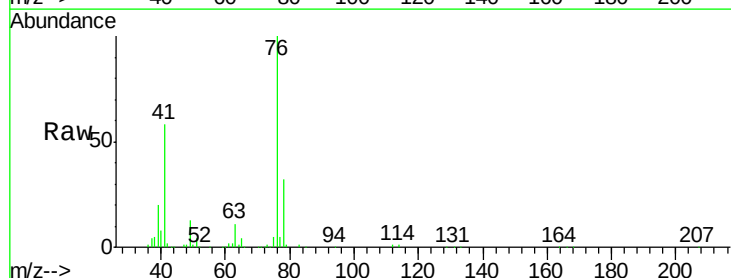
Acq: 12 Mar 2019 13:30

Tgt Ion: 76 Resp: 75689

Ion Ratio Lower Upper

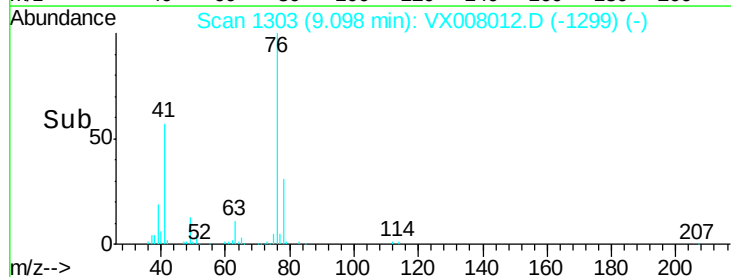
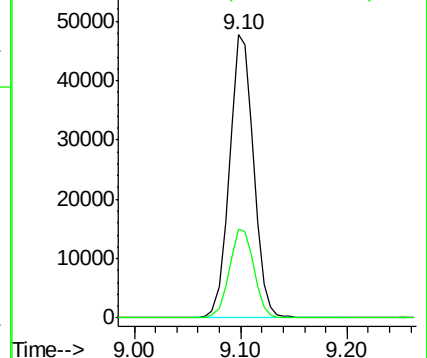
76 100

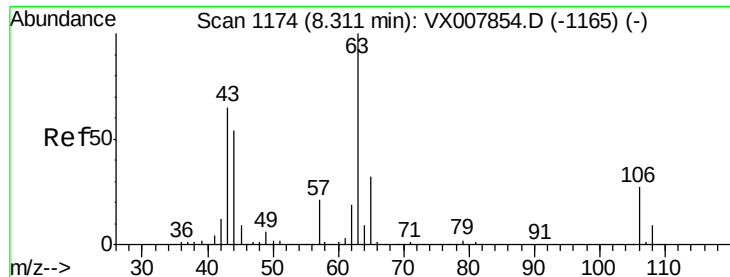
78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

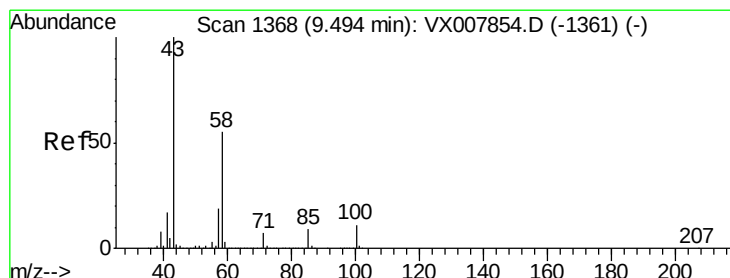
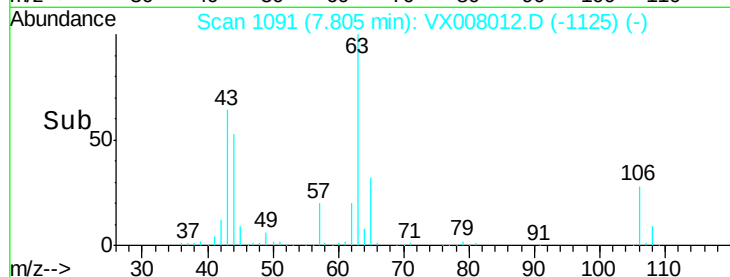
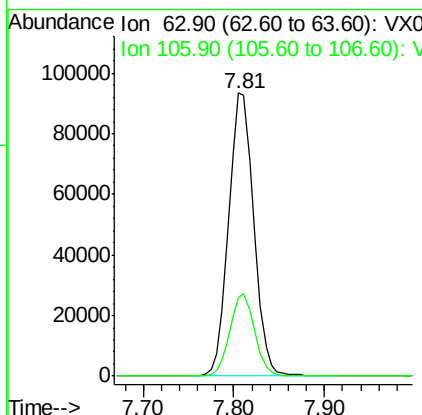
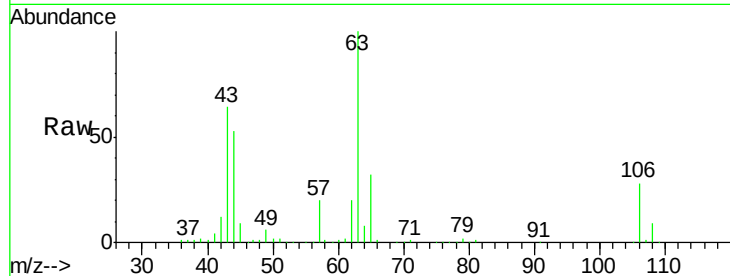




#58
 2-Chloroethyl Vinyl ether
 Concen: 37622.399 ug/l
 RT: 7.81 min Scan# 1091
 Delta R.T. -0.51 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

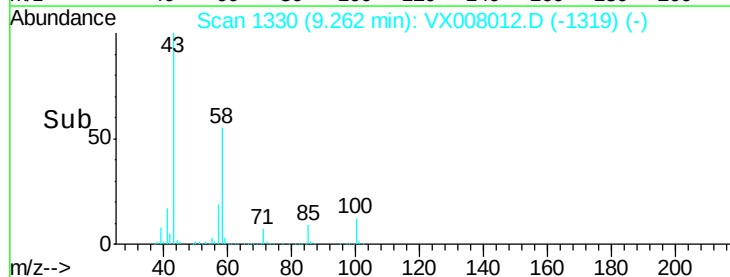
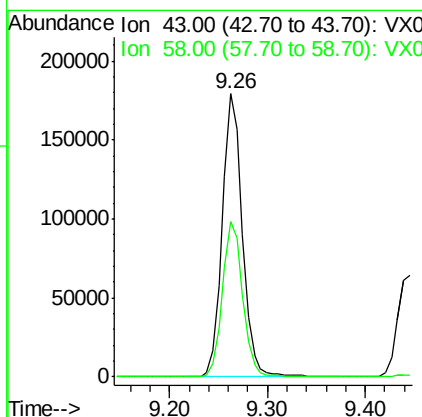
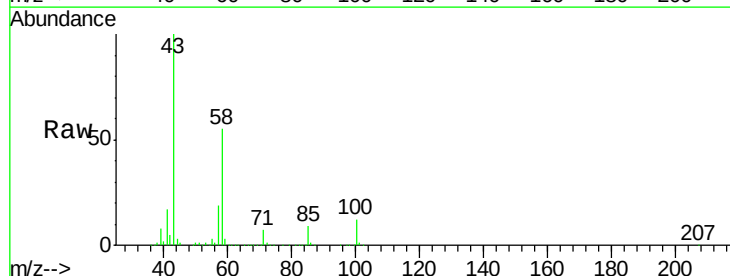
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

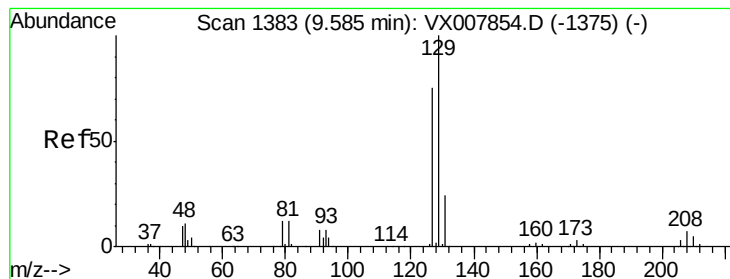
Tot Ion: 63 Resp: 179876
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.2 33.2



#59
 2-Hexanone
 Concen: 34918.573 ug/l
 RT: 9.26 min Scan# 1330
 Delta R.T. -0.23 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion: 43 Resp: 256184
 Ion Ratio Lower Upper
 43 100
 58 55.5 27.6 82.7





#60

Dibromochloromethane

Concen: 7145.523 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. -0.24 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

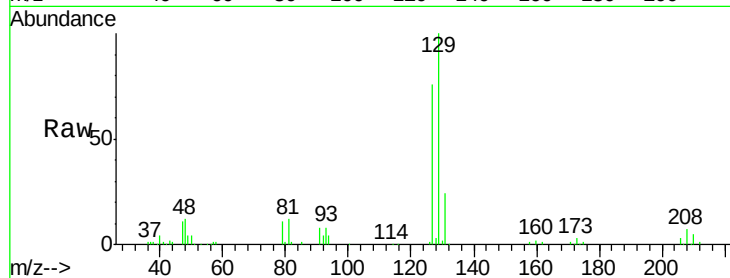
VX0312WBS01

Tot Ion:129 Resp: 45977

Ion Ratio Lower Upper

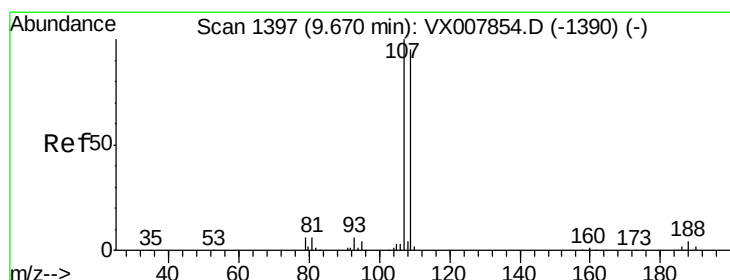
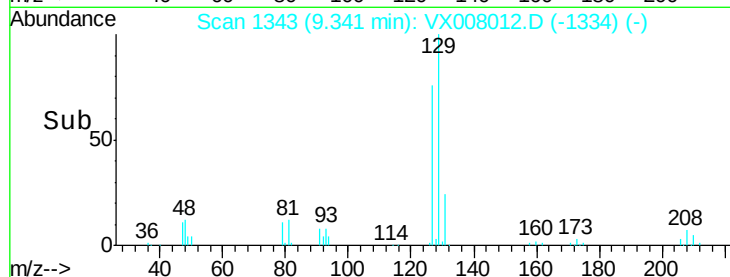
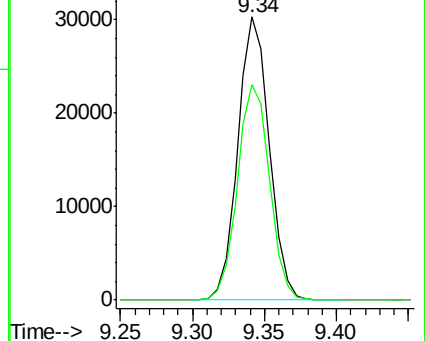
129 100

127 77.5 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 7295.161 ug/l

RT: 9.43 min Scan# 1358

Delta R.T. -0.24 min

Lab File: VX008012.D

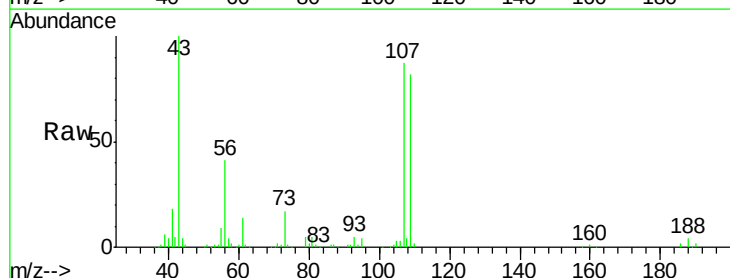
Acq: 12 Mar 2019 13:30

Tgt Ion:107 Resp: 47680

Ion Ratio Lower Upper

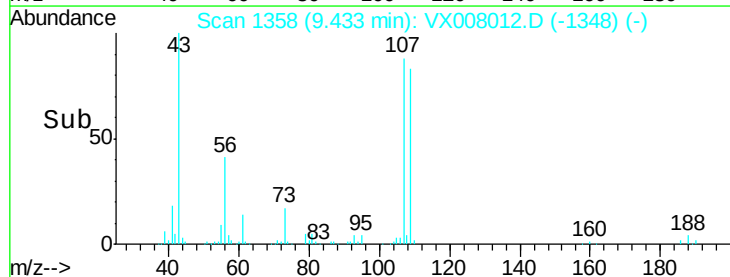
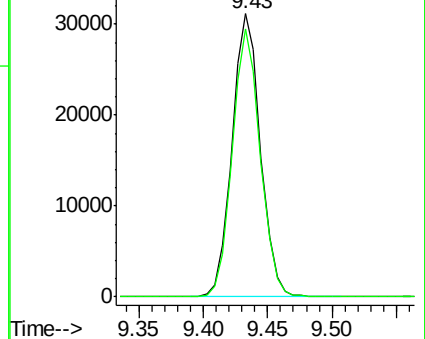
107 100

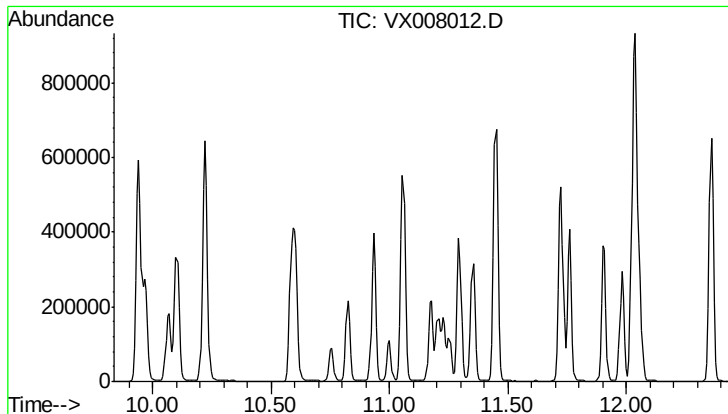
109 93.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.13 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Tot Ion: 95

Sig Exp Ratio

95 100

174 91.4

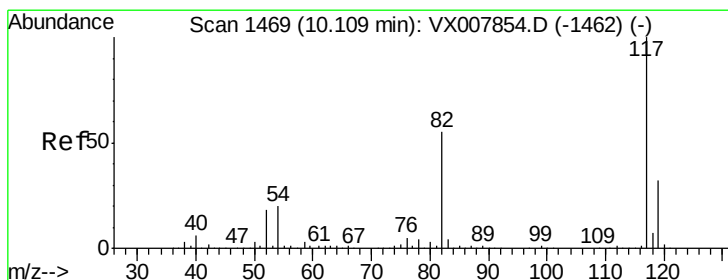
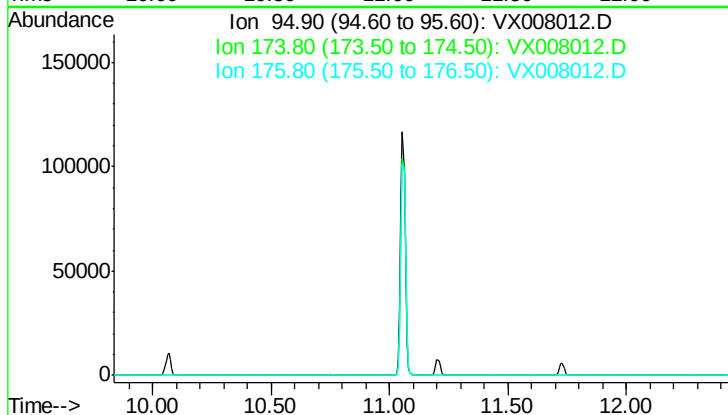
176 89.0

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.94 min Scan# 1441

Delta R.T. -0.17 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

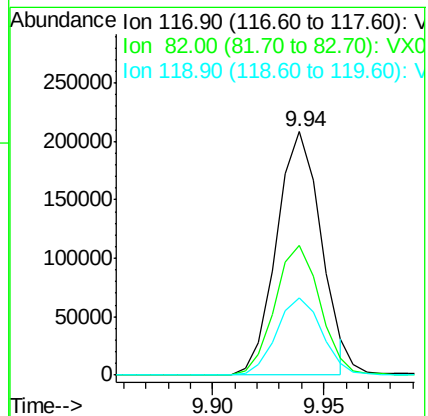
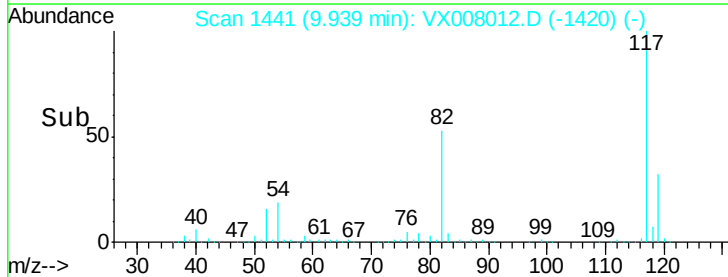
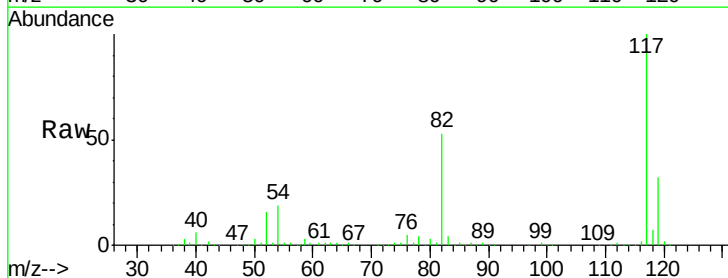
Tgt Ion: 117 Resp: 288875

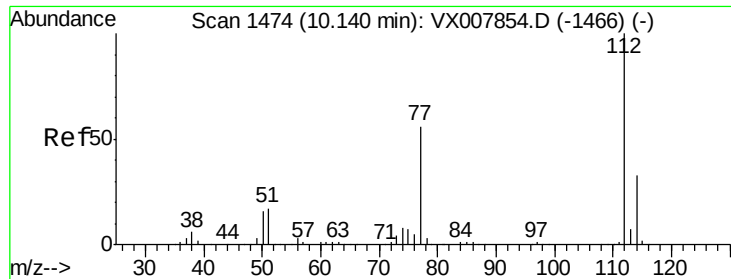
Ion Ratio Lower Upper

117 100

82 53.2 44.3 66.5

119 31.9 25.3 37.9





#65

Chlorobenzene

Concen: 20.610 ug/l

RT: 9.96 min Scan# 1445

Delta R.T. -0.18 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

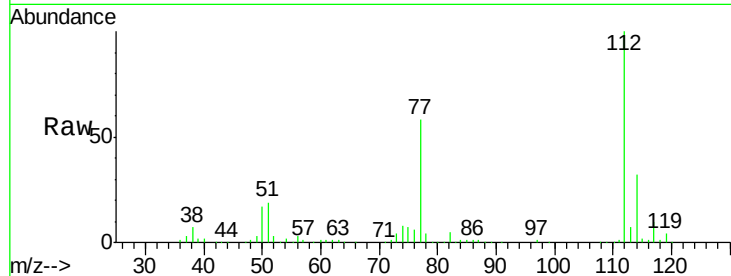
VX0312WBS01

Tot Ion:112 Resp: 124588

Ion Ratio Lower Upper

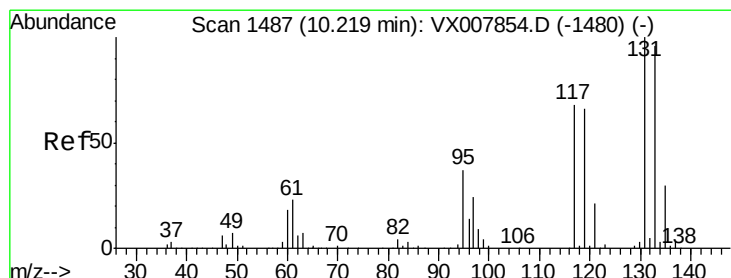
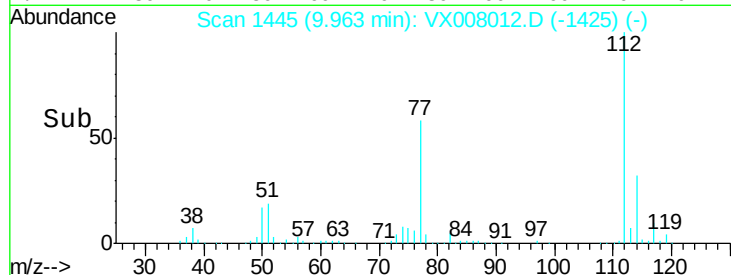
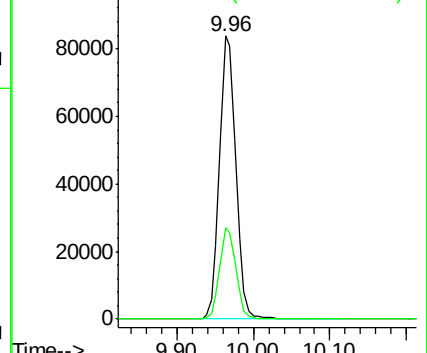
112 100

114 32.2 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.683 ug/l

RT: 10.07 min Scan# 1462

Delta R.T. -0.15 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

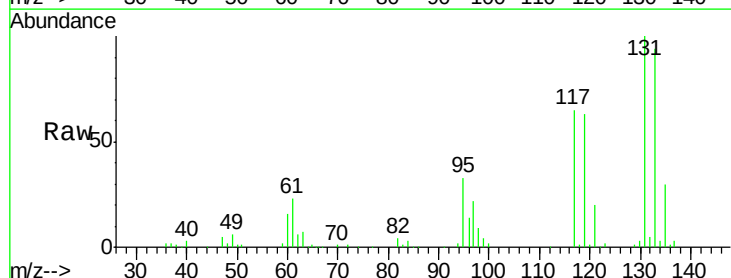
Tgt Ion:131 Resp: 44809

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

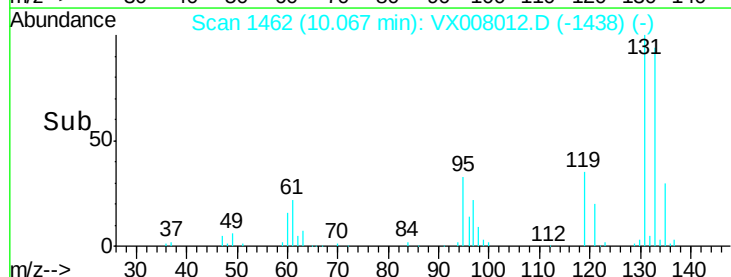
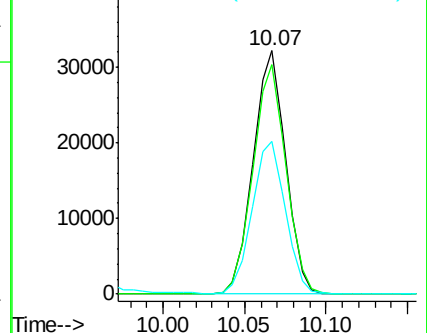
119 64.4 32.5 97.5

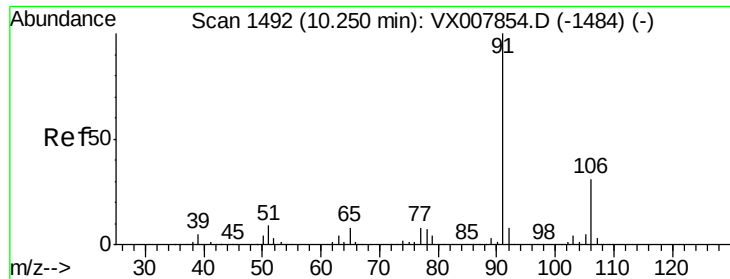


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

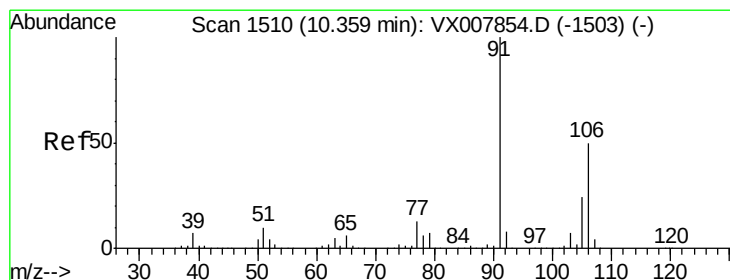
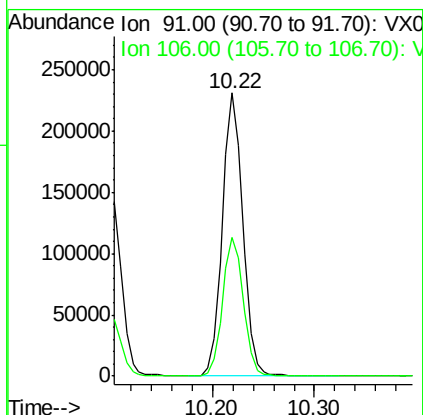
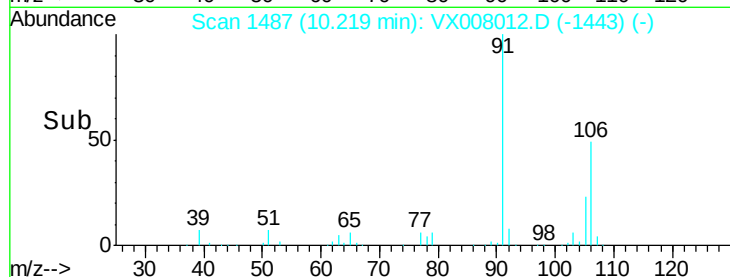
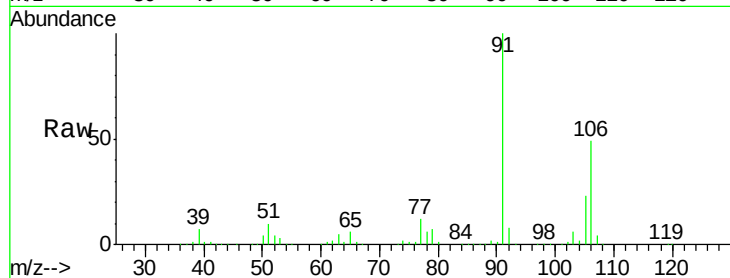




#67
Ethyl Benzene
Concen: 32.471 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.03 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

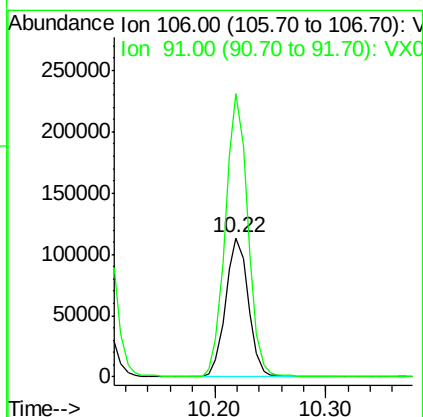
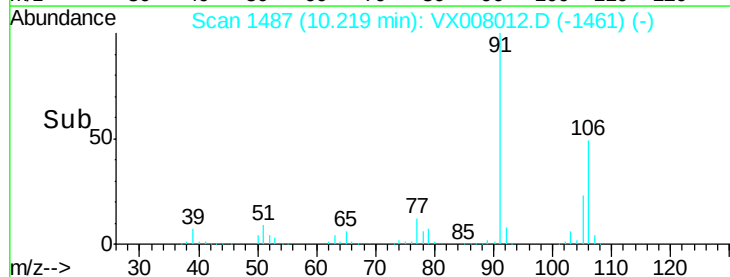
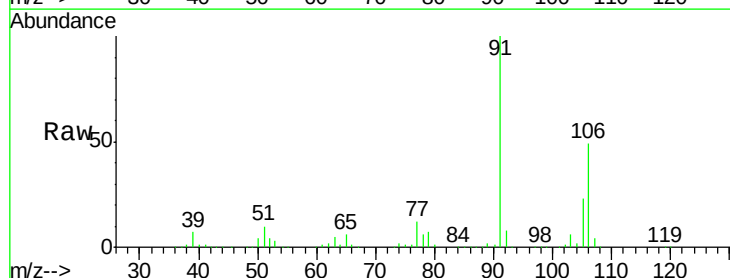
Instrument :
MSVOA_X
ClientSampled :
VX0312WBS01

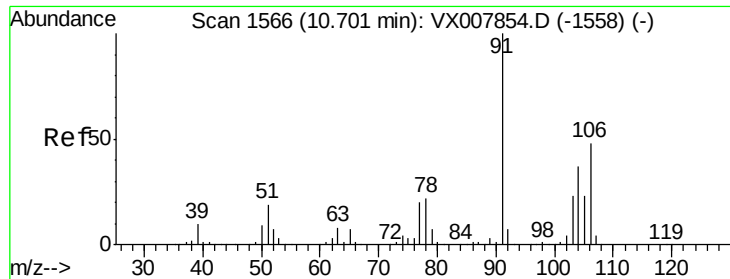
Tot Ion: 91 Resp: 323108
Ion Ratio Lower Upper
91 100
106 49.2 25.2 37.8#



#68
m/p-Xylenes
Concen: 41.702 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.14 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Tgt Ion: 106 Resp: 159945
Ion Ratio Lower Upper
106 100
91 201.7 159.8 239.6

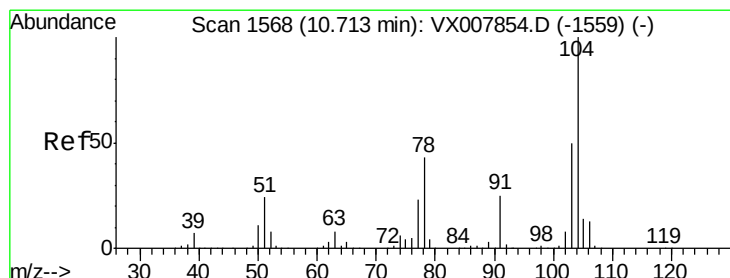
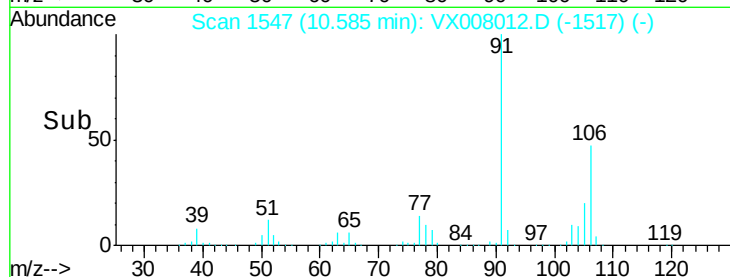
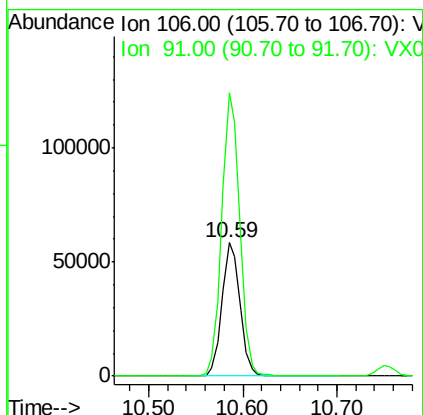
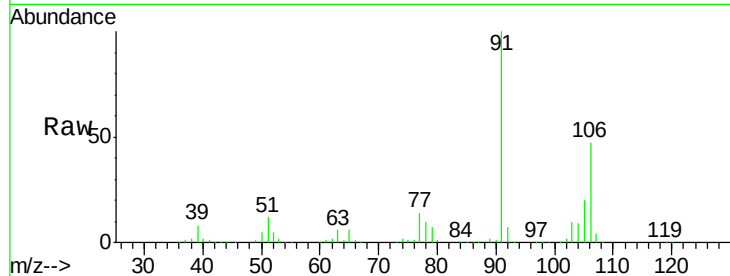




#69
o-Xylene
Concen: 20.951 ug/l
RT: 10.59 min Scan# 1547
Delta R.T. -0.12 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

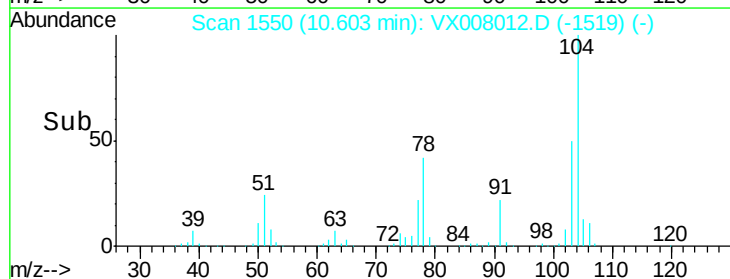
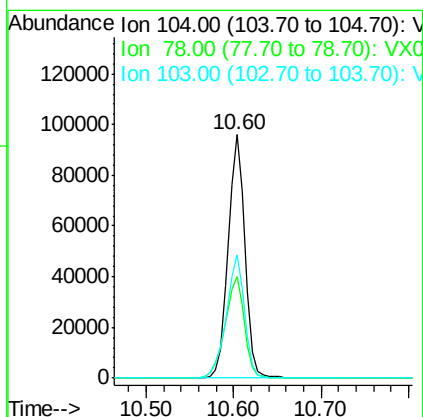
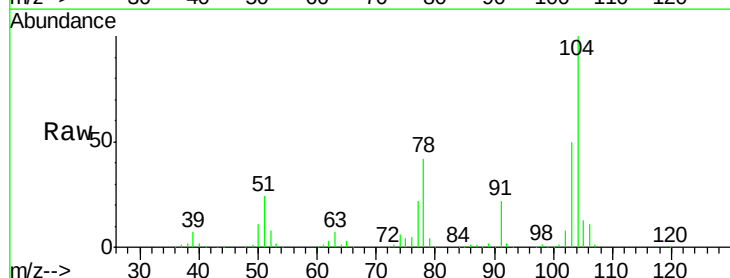
Instrument :
MSVOA_X
ClientSampled :
VX0312WBS01

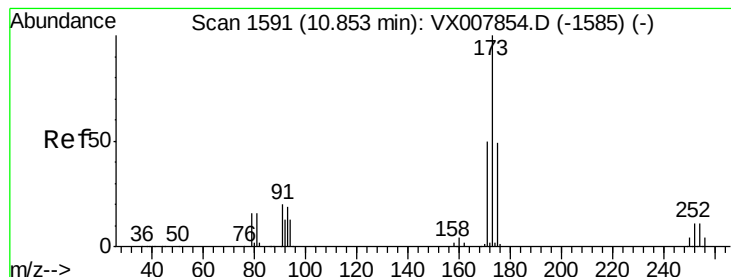
Tot Ion:106 Resp: 77580
Ion Ratio Lower Upper
106 100
91 213.0 106.3 318.9



#70
Styrene
Concen: 21.190 ug/l
RT: 10.60 min Scan# 1550
Delta R.T. -0.11 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Tgt Ion:104 Resp: 128396
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 19.444 ug/l

RT: 10.76 min Scan# 1575

Delta R.T. -0.10 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01

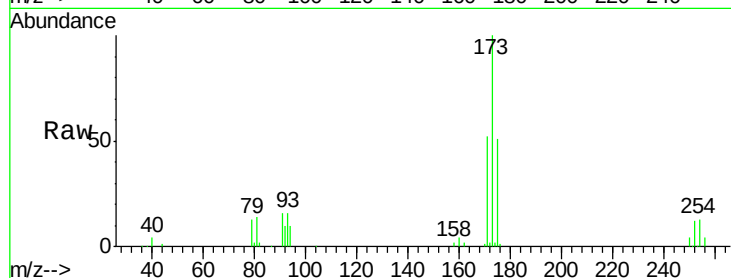
Tot Ion:173 Resp: 36177

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.9

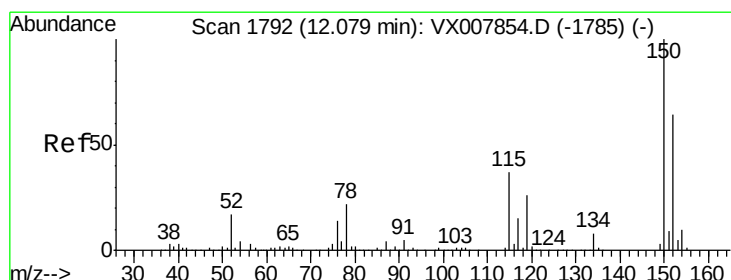
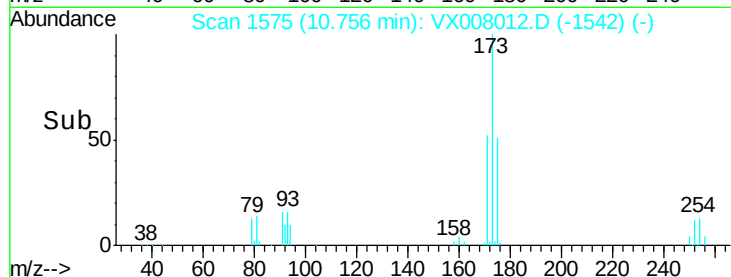
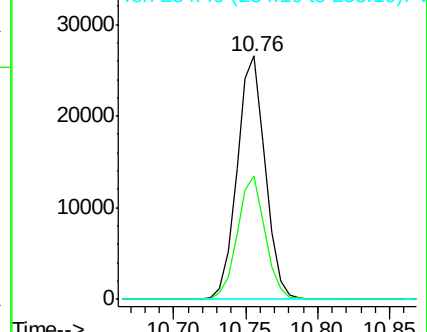
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.04 min Scan# 1785

Delta R.T. -0.04 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

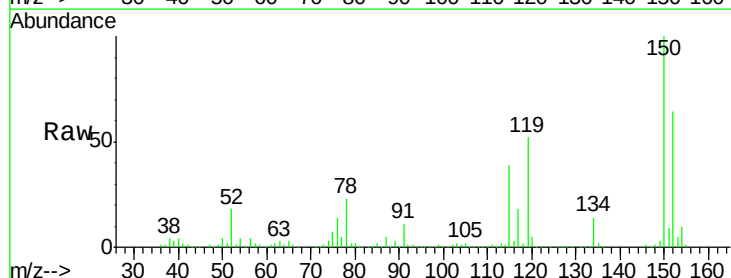
Tgt Ion:152 Resp: 151261

Ion Ratio Lower Upper

152 100

115 63.4 38.6 115.7

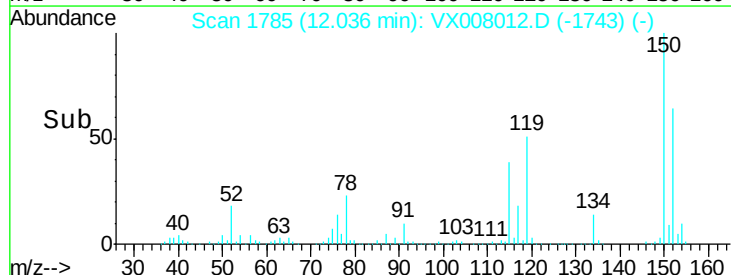
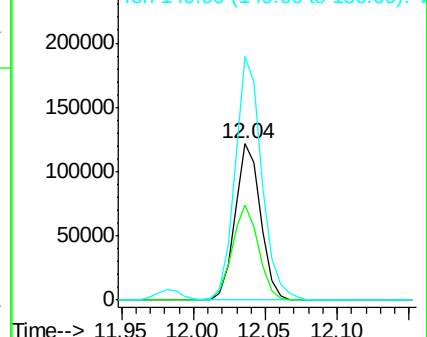
150 162.7 0.0 348.4

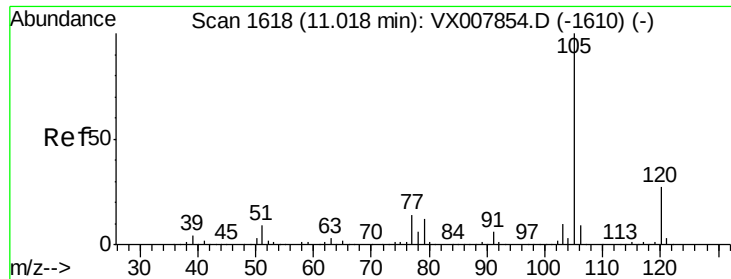


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.791 ug/l

RT: 10.93 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

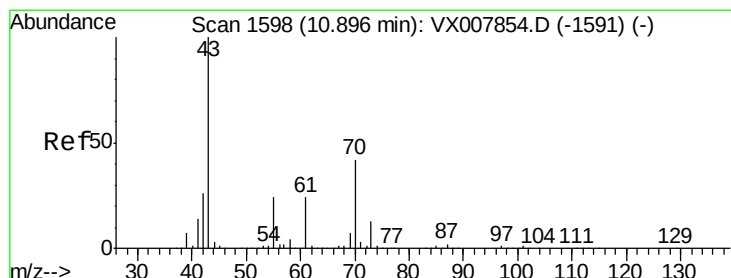
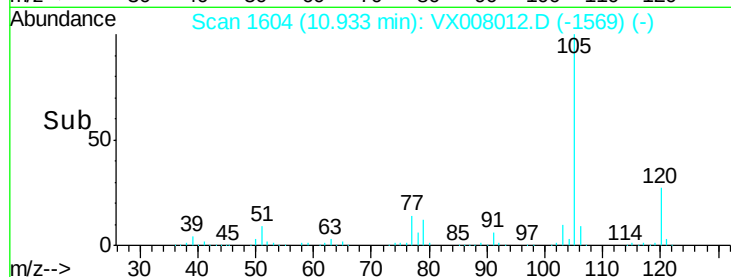
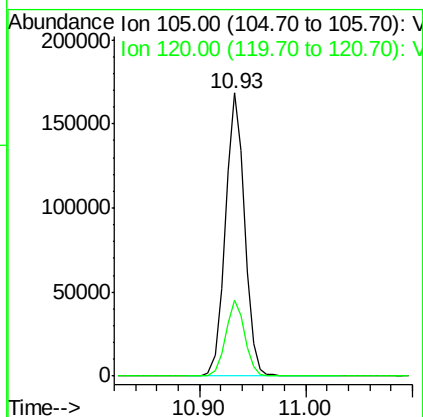
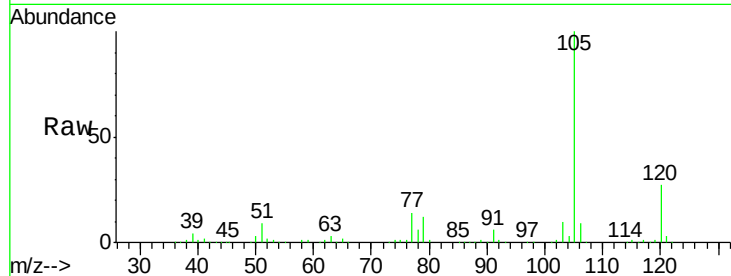
VX0312WBS01

Tot Ion:105 Resp: 212689

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 18.551 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Tgt Ion: 43 Resp: 86638

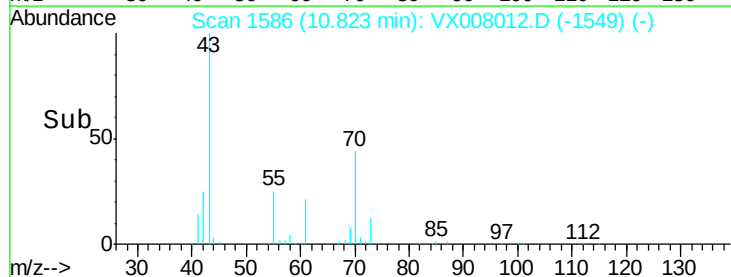
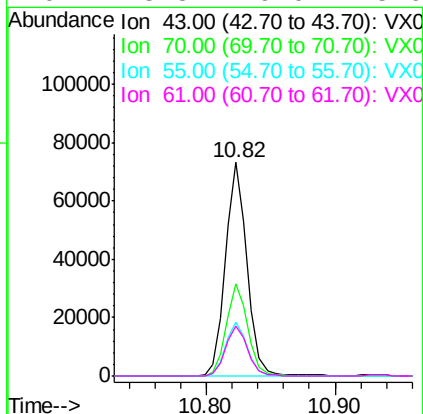
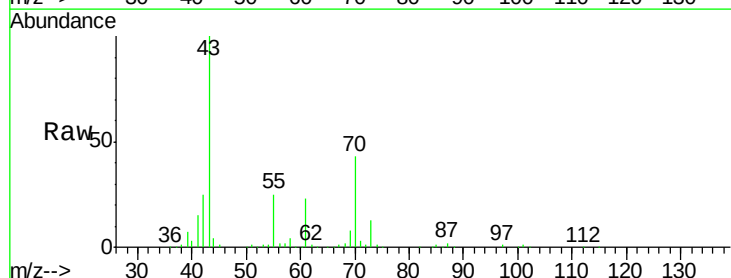
Ion Ratio Lower Upper

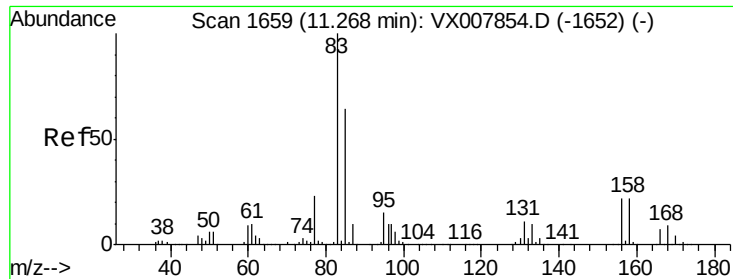
43 100

70 42.9 33.5 50.3

55 25.7 19.2 28.8

61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.137 ug/l

RT: 11.20 min Scan# 1648

Delta R.T. -0.07 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01

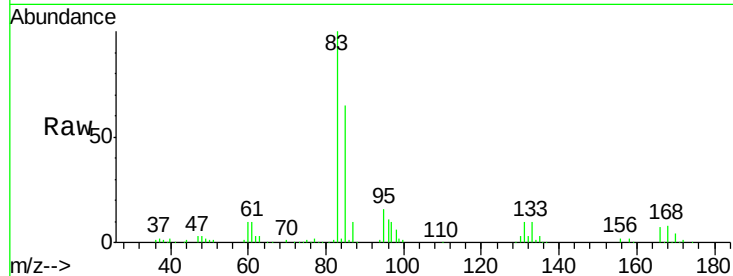
Tot Ion: 83 Resp: 67530

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

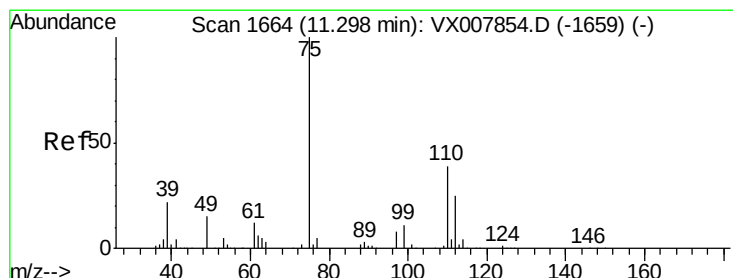
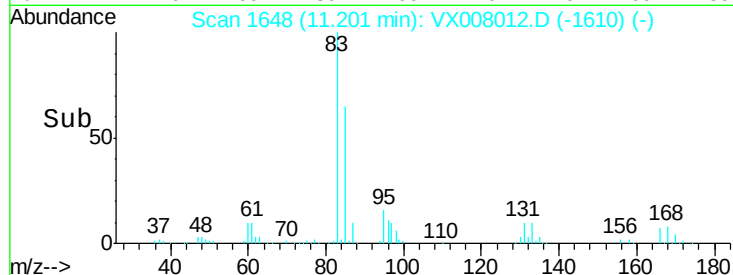
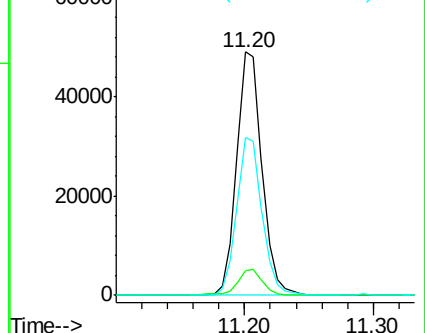
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.754 ug/l

RT: 11.23 min Scan# 1652

Delta R.T. -0.07 min

Lab File: VX008012.D

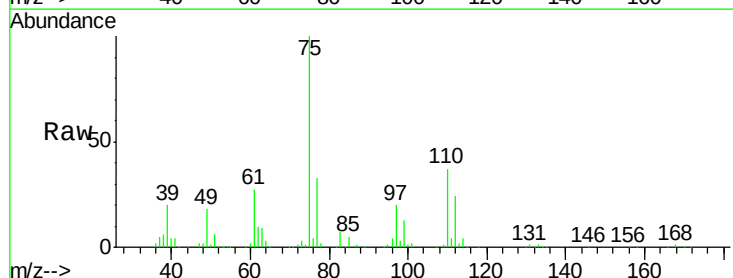
Acq: 12 Mar 2019 13:30

Tgt Ion: 75 Resp: 75396

Ion Ratio Lower Upper

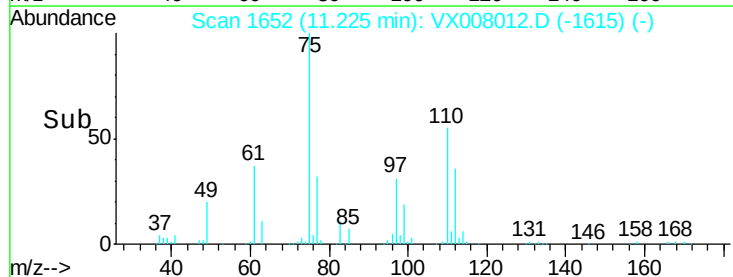
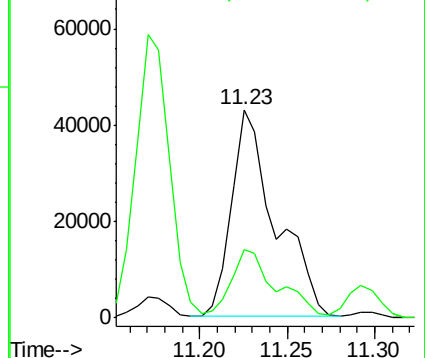
75 100

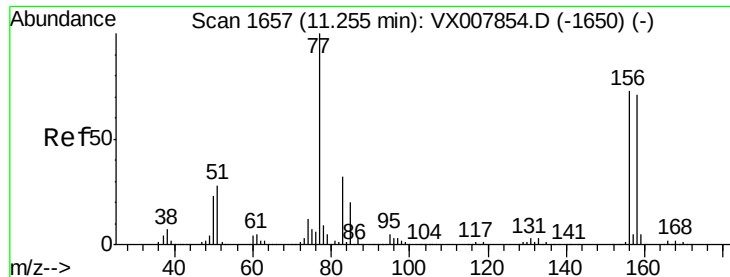
77 34.1 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.140 ug/l

RT: 11.18 min Scan# 1644

Delta R.T. -0.08 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01

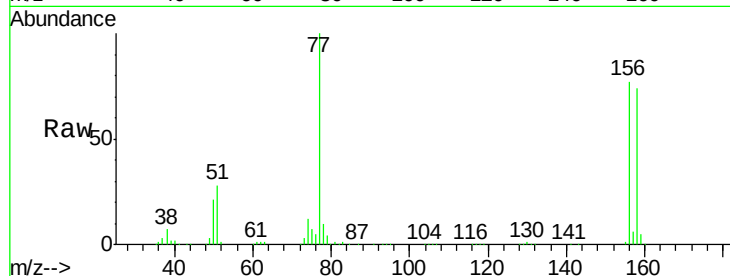
Tot Ion:156 Resp: 56486

Ion Ratio Lower Upper

156 100

77 140.5 72.0 215.9

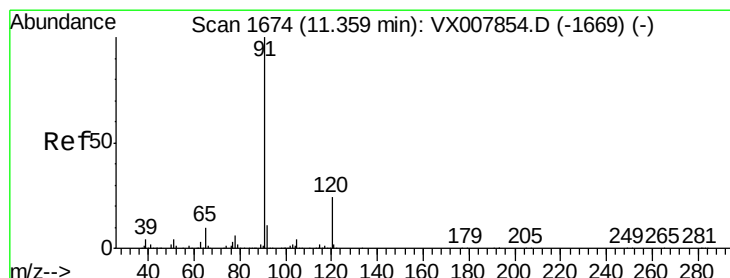
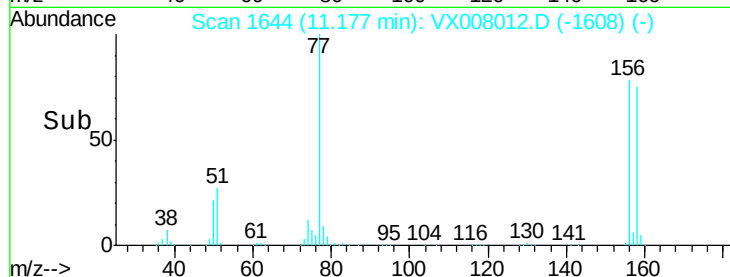
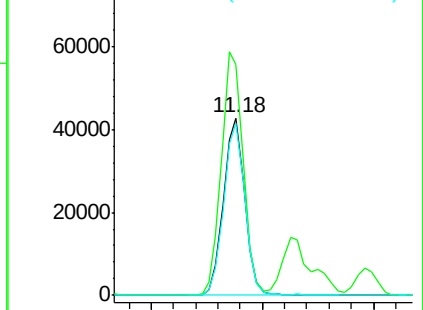
158 97.1 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.254 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.07 min

Lab File: VX008012.D

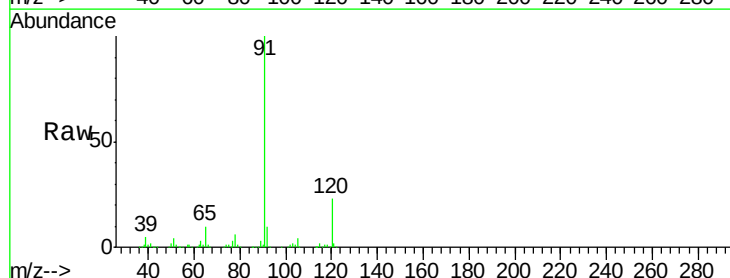
Acq: 12 Mar 2019 13:30

Tgt Ion: 91 Resp: 229867

Ion Ratio Lower Upper

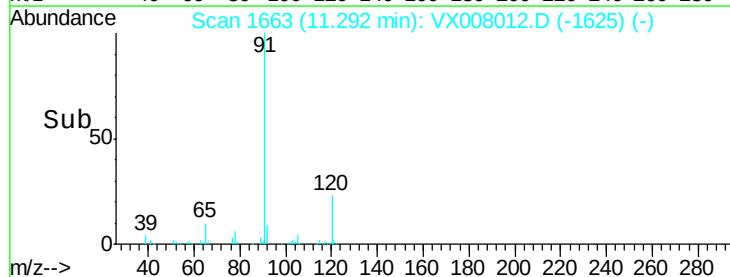
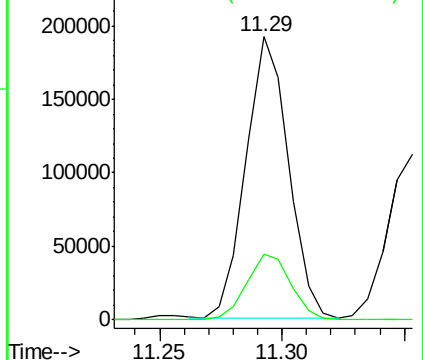
91 100

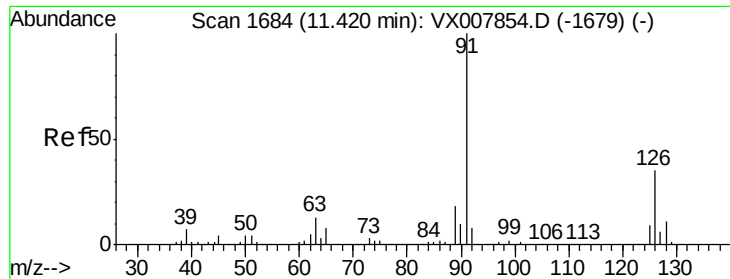
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

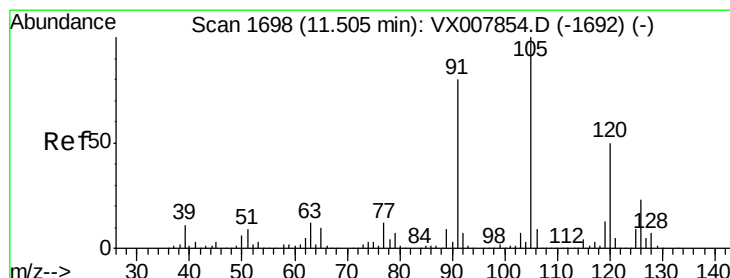
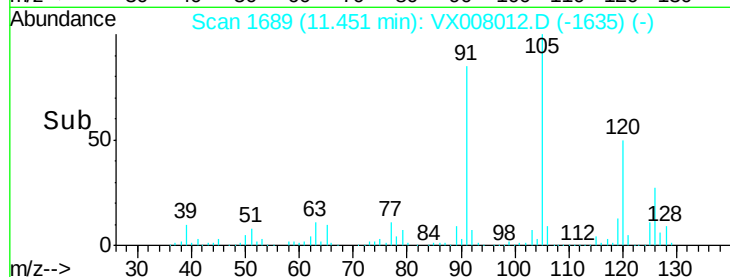
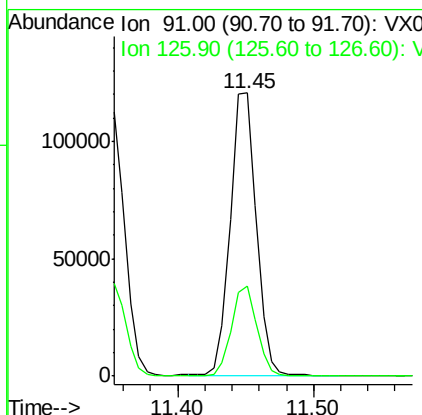
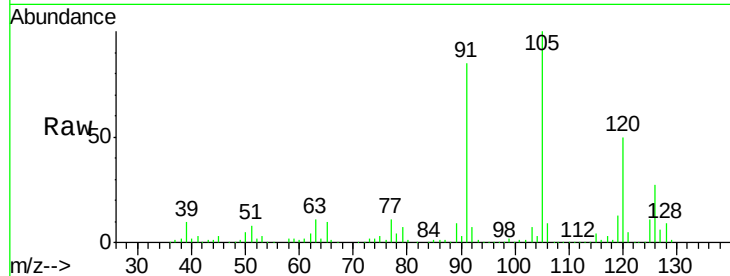




#79
 2-Chlorotoluene
 Concen: 23.215 ug/l
 RT: 11.45 min Scan# 1689
 Delta R.T. 0.03 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

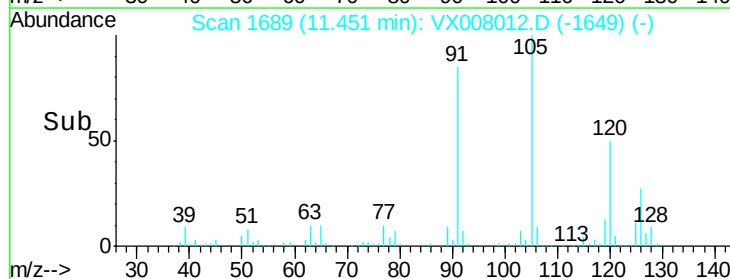
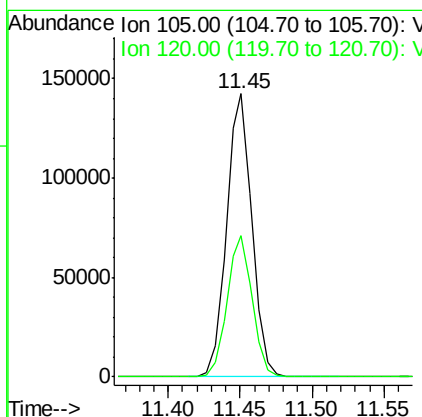
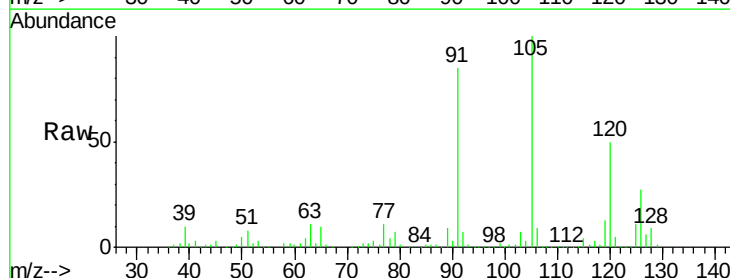
Instrument :
 MSVOA_X
 ClientSampled :
 VX0312WBS01

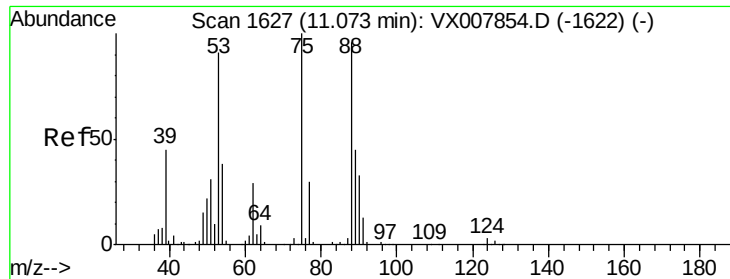
Tot Ion: 91 Resp: 161091
 Ion Ratio Lower Upper
 91 100
 126 31.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.898 ug/l
 RT: 11.45 min Scan# 1689
 Delta R.T. -0.05 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion: 105 Resp: 175960
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6

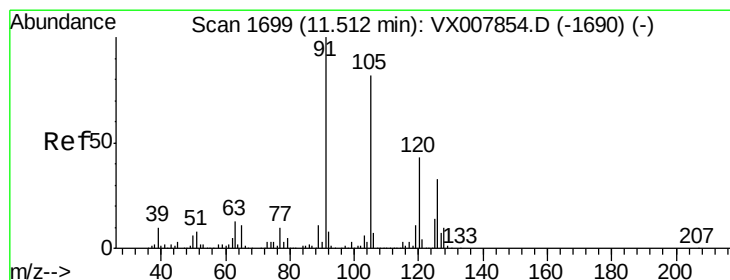
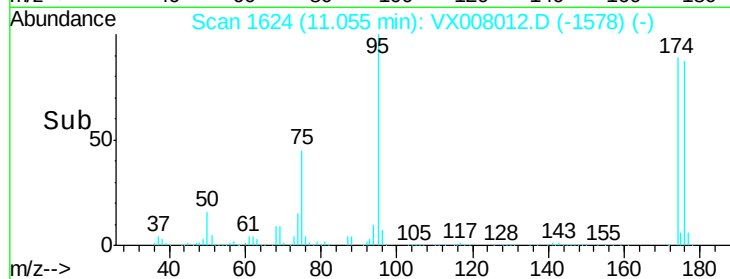
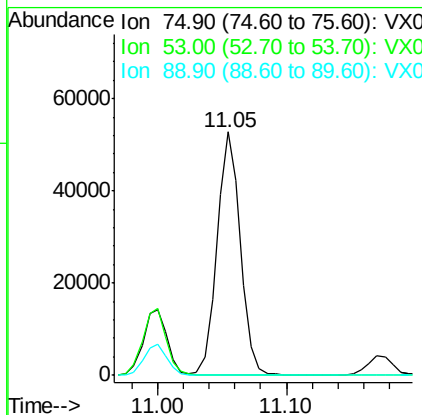
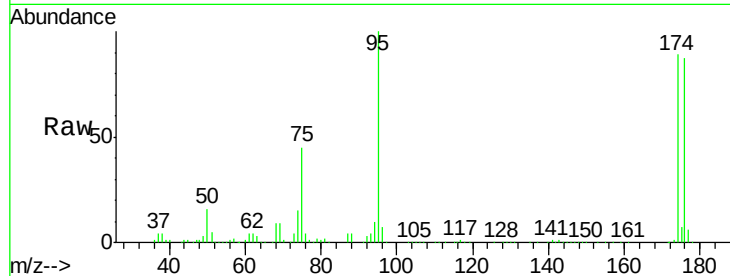




#81
trans-1,4-Dichloro-2-butene
Concen: 67.792 ug/l
RT: 11.05 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

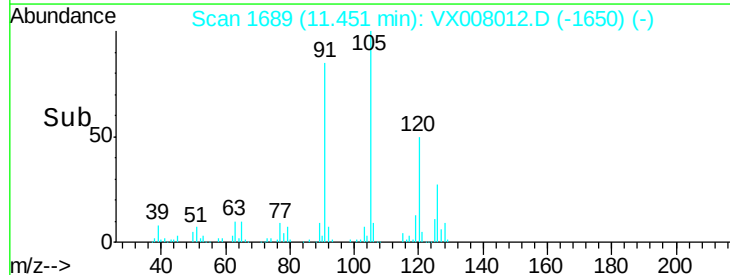
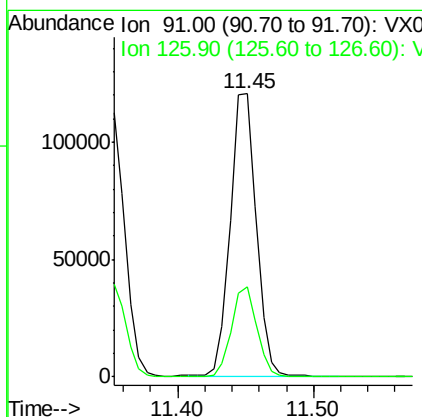
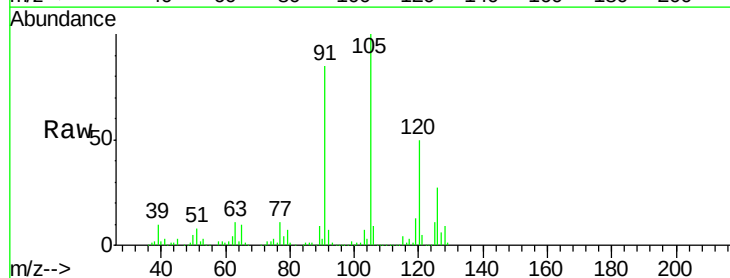
Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS01

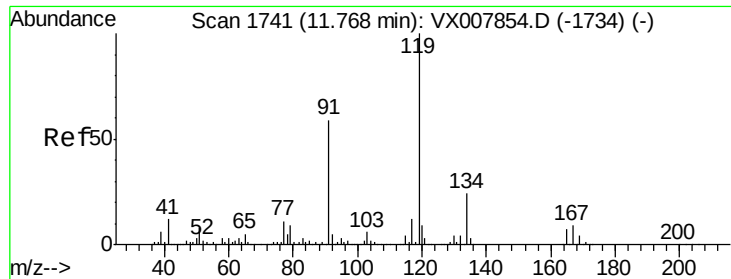
Tot Ion: 75 Resp: 67317
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 20.258 ug/l
RT: 11.45 min Scan# 1689
Delta R.T. -0.06 min
Lab File: VX008012.D
Acq: 12 Mar 2019 13:30

Tgt Ion: 91 Resp: 161091
Ion Ratio Lower Upper
91 100
126 31.1 15.6 46.8





#83

tert-Butylbenzene

Concen: 20.447 ug/l

RT: 11.73 min Scan# 1734

Delta R.T. -0.04 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampled :

VX0312WBS01

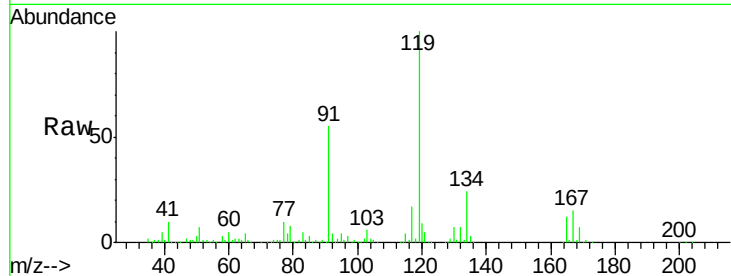
Tot Ion:119 Resp: 173418

Ion Ratio Lower Upper

119 100

91 54.8 27.1 81.3

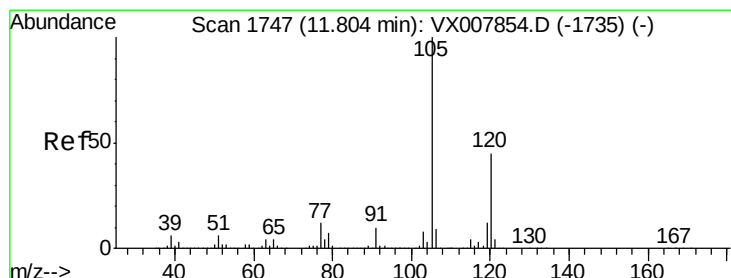
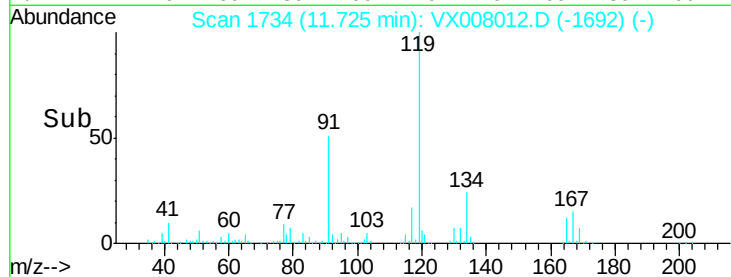
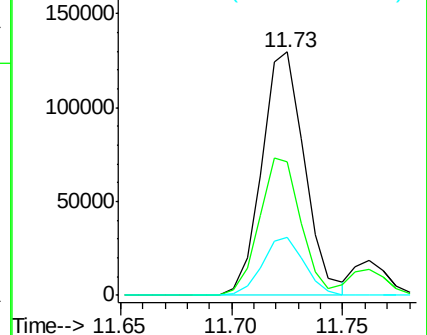
134 23.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.626 ug/l

RT: 11.76 min Scan# 1740

Delta R.T. -0.04 min

Lab File: VX008012.D

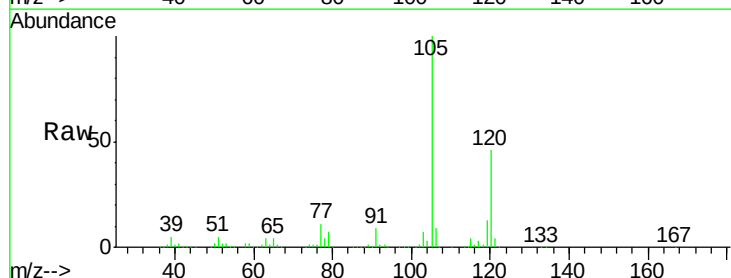
Acq: 12 Mar 2019 13:30

Tgt Ion:105 Resp: 178035

Ion Ratio Lower Upper

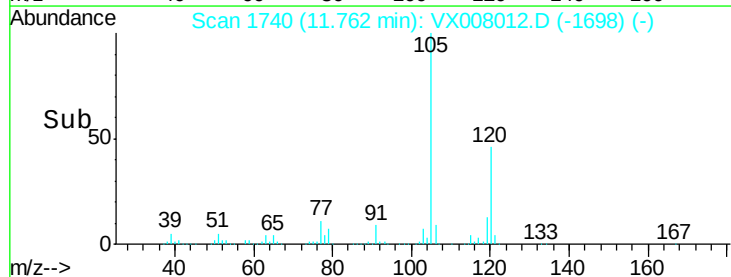
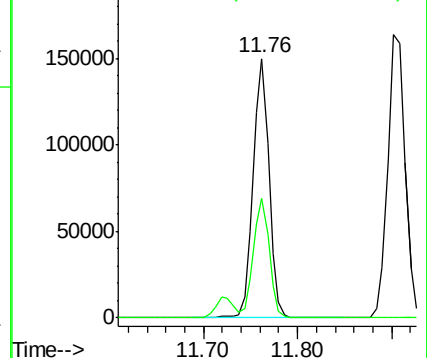
105 100

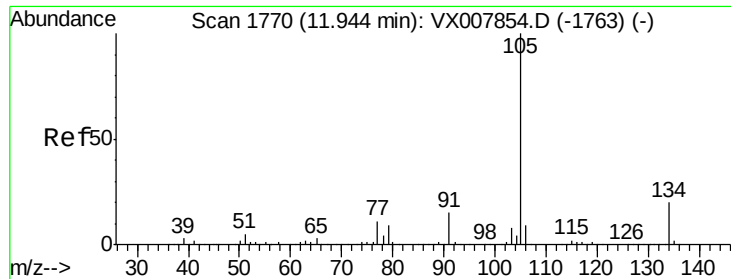
120 46.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.057 ug/l

RT: 11.90 min Scan# 1763

Delta R.T. -0.04 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

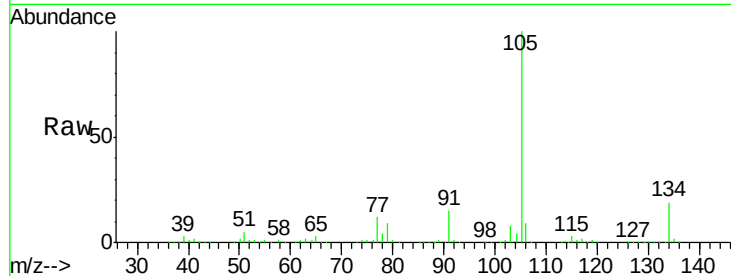
VX0312WBS01

Tot Ion:105 Resp: 210334

Ion Ratio Lower Upper

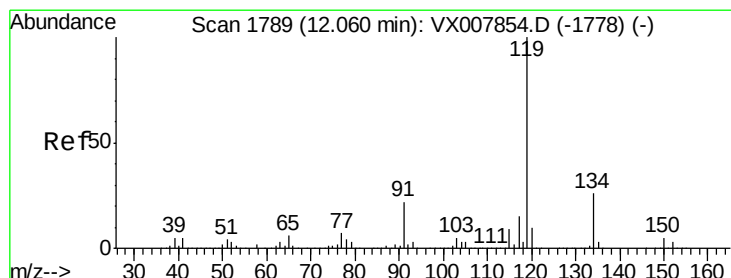
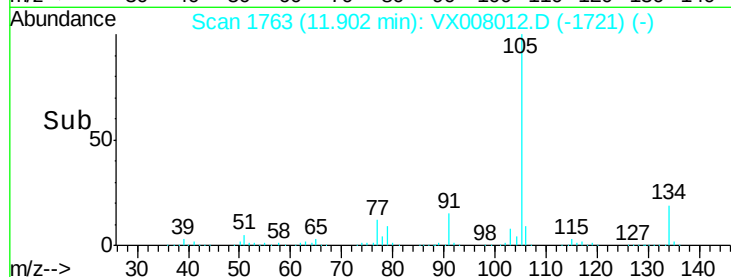
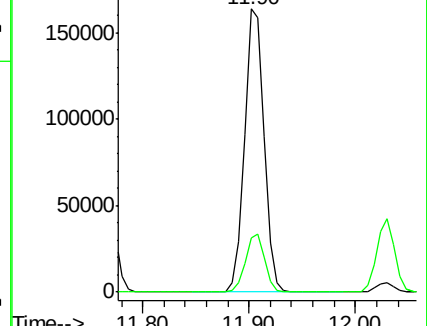
105 100

134 20.2 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.035 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.03 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

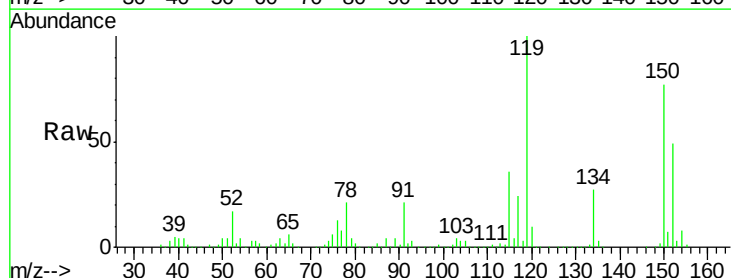
Tgt Ion:119 Resp: 188170

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

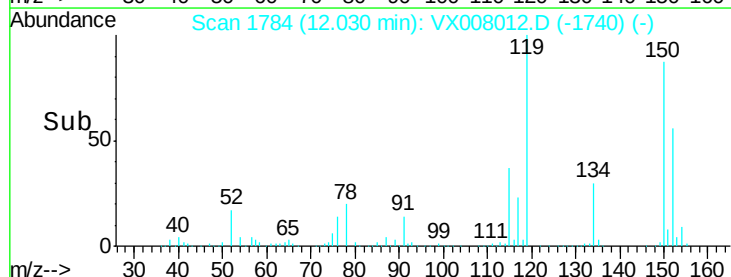
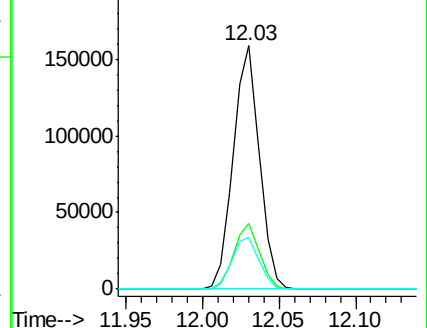
91 22.3 10.9 32.7

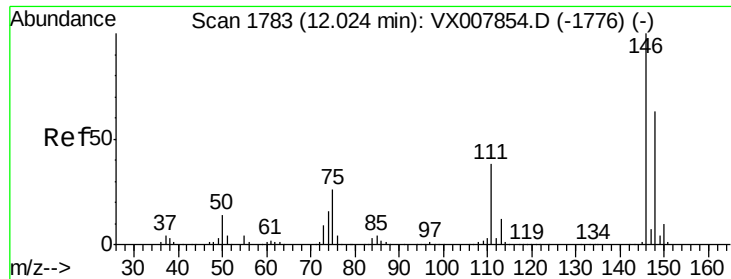


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

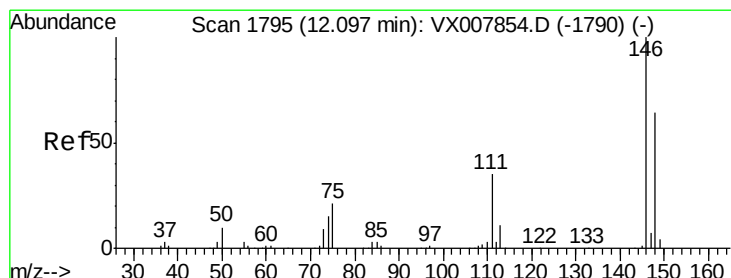
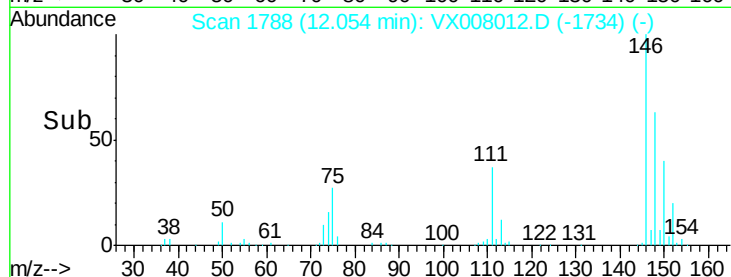
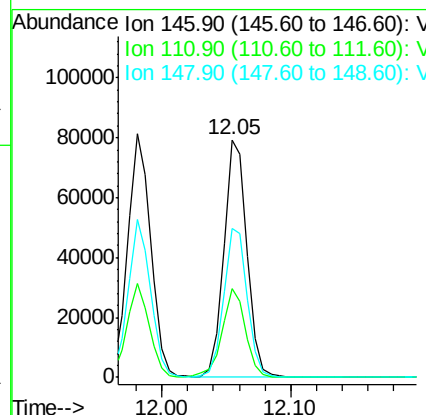
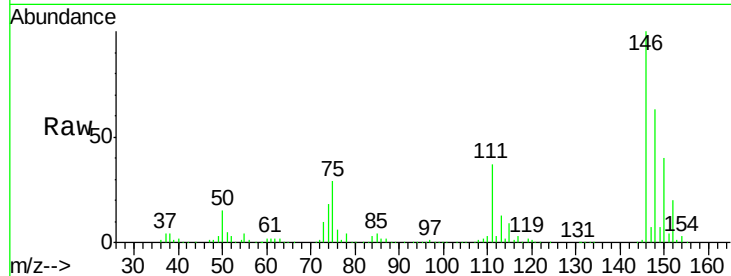




#87
 1,3-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 12.05 min Scan# 1788
 Delta R.T. 0.03 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

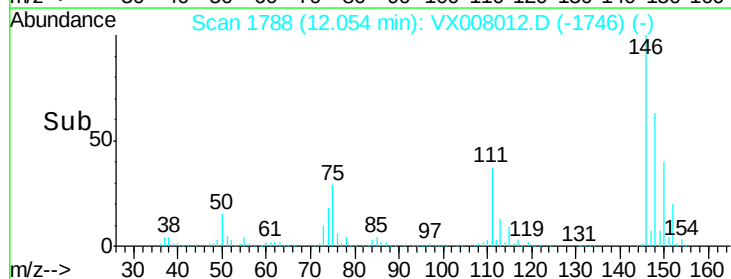
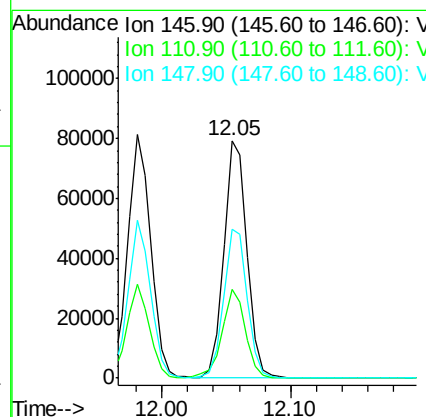
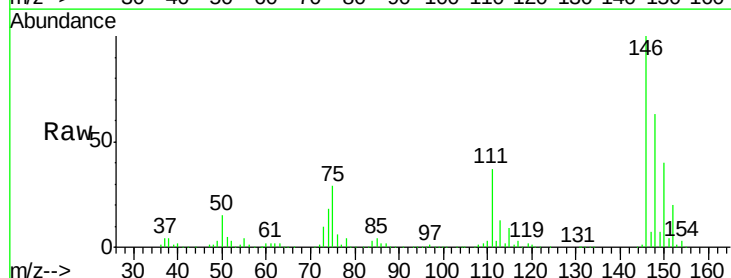
Instrument :
 MSVOA_X
 ClientSampled :
 VX0312WBS01

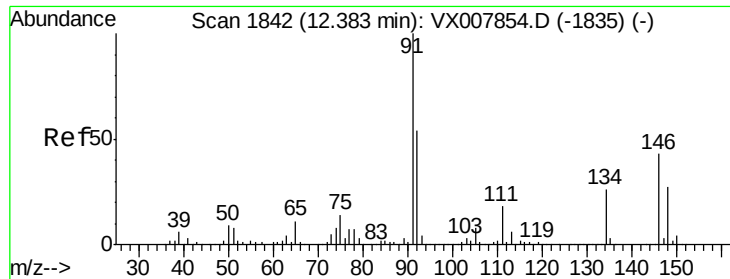
Tot Ion:146 Resp: 100203
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.7
 148 64.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.719 ug/l
 RT: 12.05 min Scan# 1788
 Delta R.T. -0.04 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion:146 Resp: 100203
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.0
 148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 20.813 ug/l

RT: 12.36 min Scan# 1838

Delta R.T. -0.02 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01

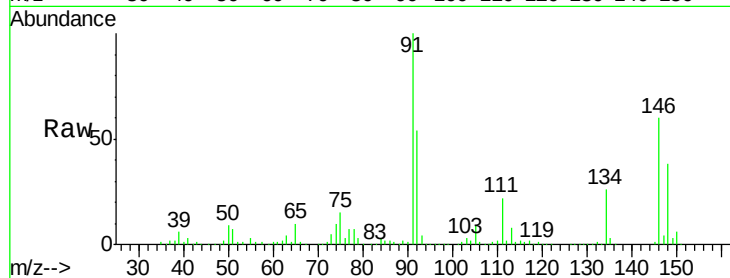
Tot Ion: 91 Resp: 157740

Ion Ratio Lower Upper

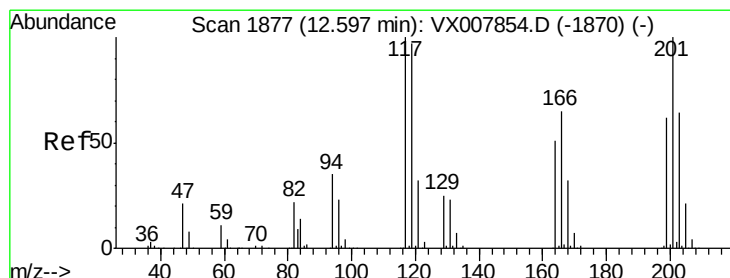
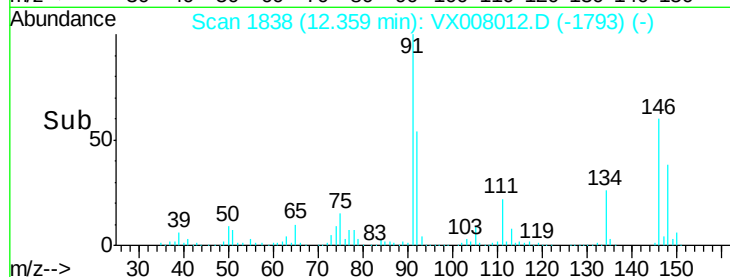
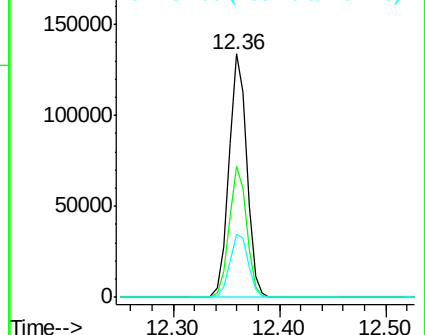
91 100

92 52.9 27.0 80.8

134 26.7 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.916 ug/l

RT: 12.57 min Scan# 1872

Delta R.T. -0.03 min

Lab File: VX008012.D

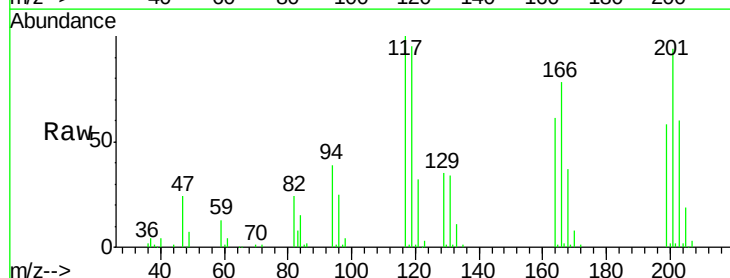
Acq: 12 Mar 2019 13:30

Tgt Ion: 117 Resp: 29789

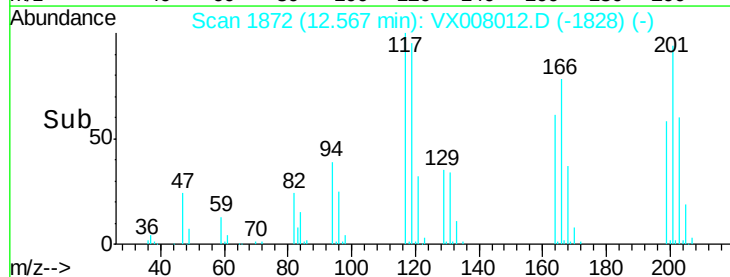
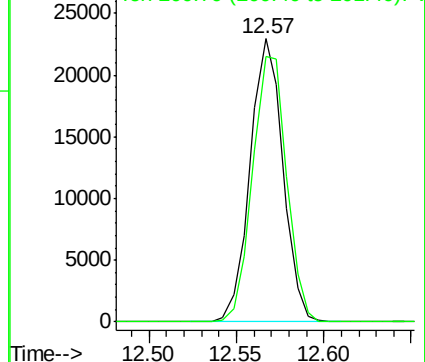
Ion Ratio Lower Upper

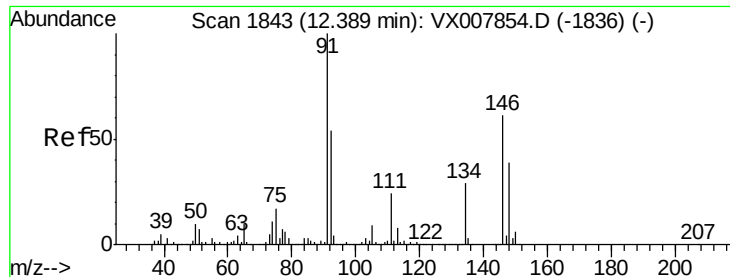
117 100

201 97.9 48.9 146.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

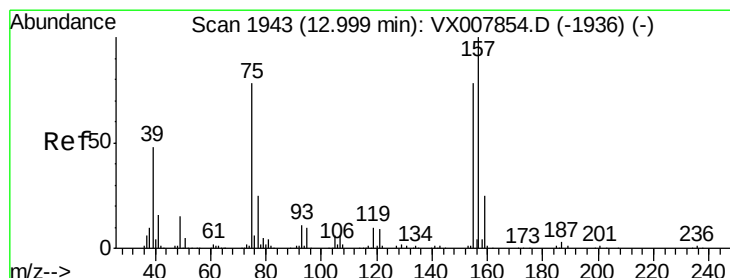
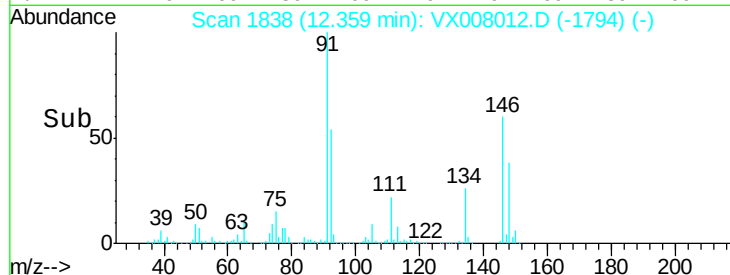
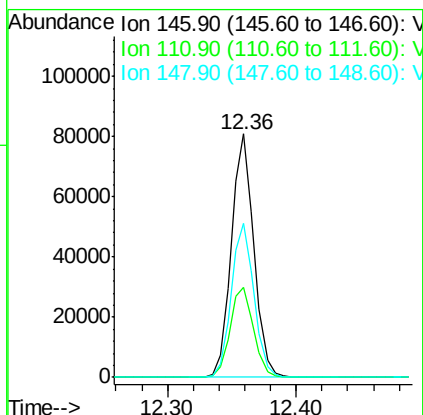
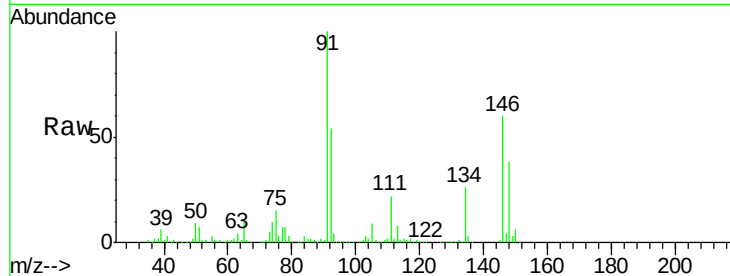




#91
 1,2-Dichlorobenzene
 Concen: 20.037 ug/l
 RT: 12.36 min Scan# 1838
 Delta R.T. -0.03 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

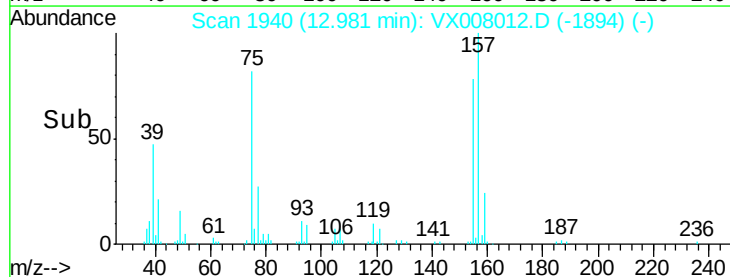
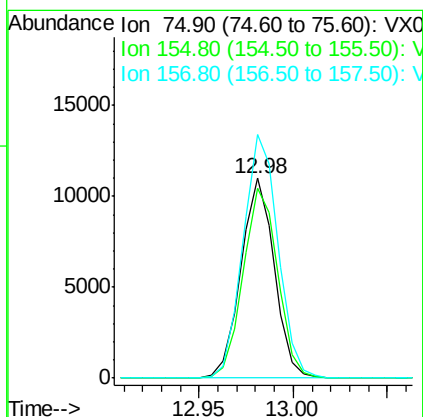
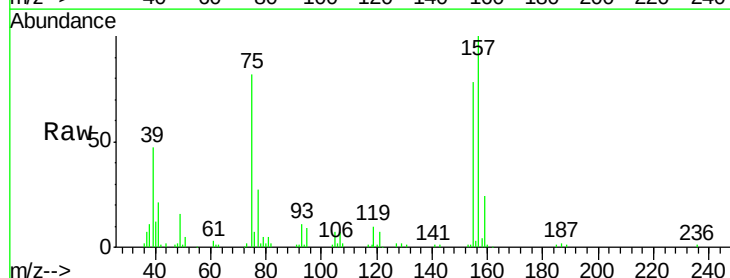
Instrument :
 MSVOA_X
 ClientSampled :
 VX0312WBS01

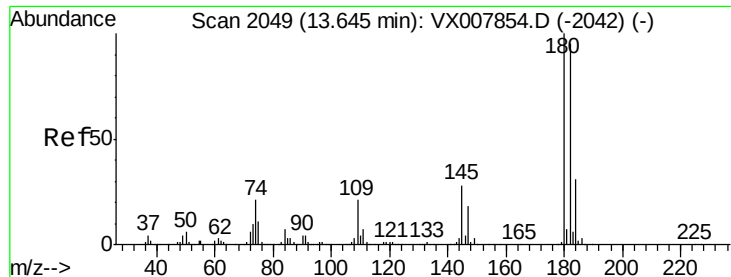
Tot Ion:146 Resp: 98771
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.8
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.353 ug/l
 RT: 12.98 min Scan# 1940
 Delta R.T. -0.02 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion: 75 Resp: 13535
 Ion Ratio Lower Upper
 75 100
 155 98.4 49.7 149.1
 157 127.1 63.8 191.4

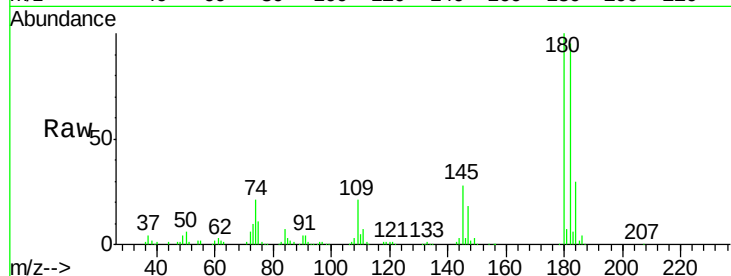




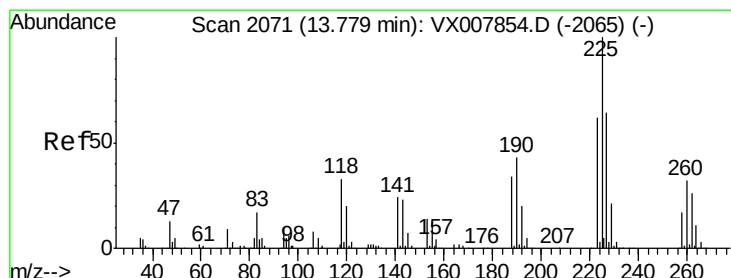
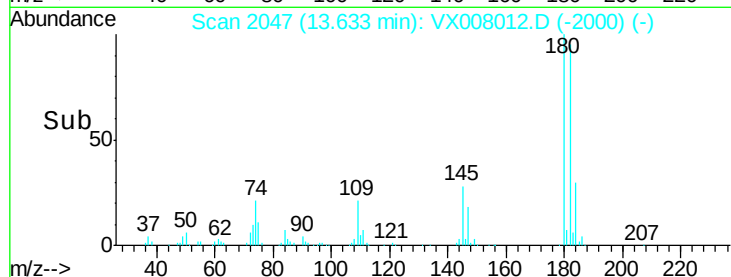
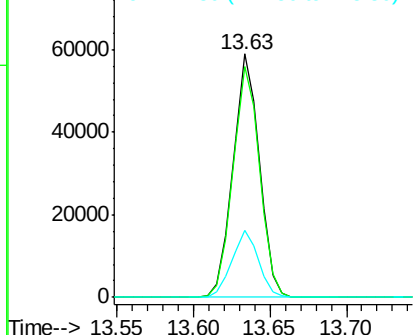
#93
 1,2,4-Trichlorobenzene
 Concen: 20.321 ug/l
 RT: 13.63 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

Tot Ion:180 Resp: 70367
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.7
 145 27.8 14.1 42.4

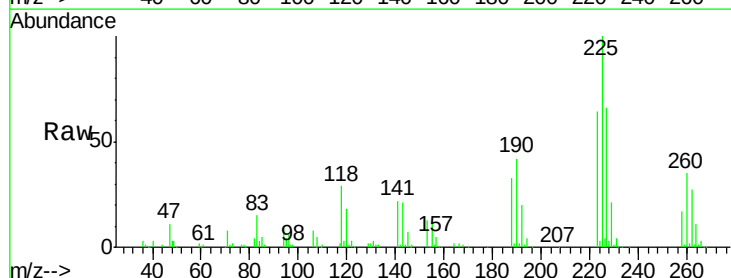


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

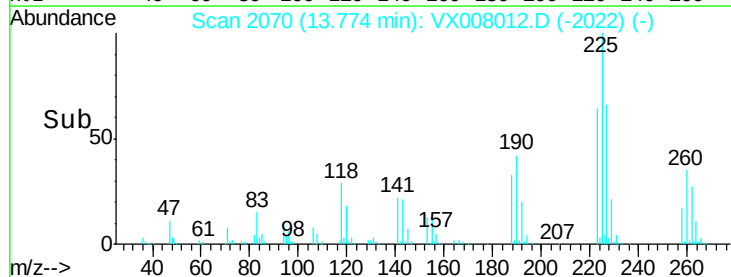
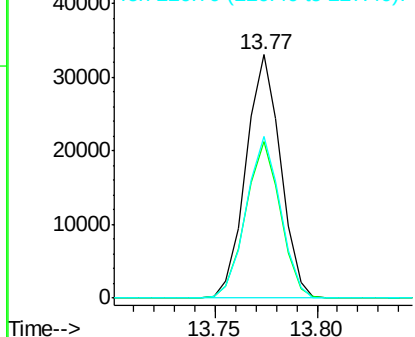


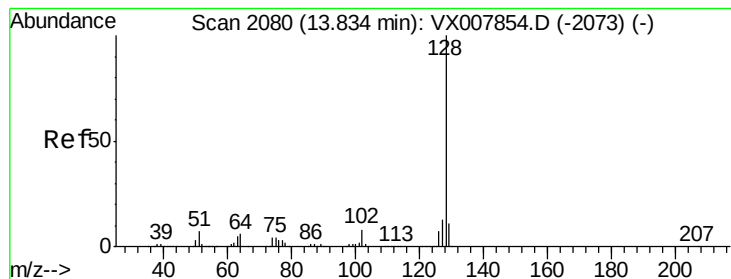
#94
 Hexachlorobutadiene
 Concen: 21.509 ug/l
 RT: 13.77 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VX008012.D
 Acq: 12 Mar 2019 13:30

Tgt Ion:225 Resp: 38941
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.1 93.2
 227 65.8 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.727 ug/l

RT: 13.82 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS01

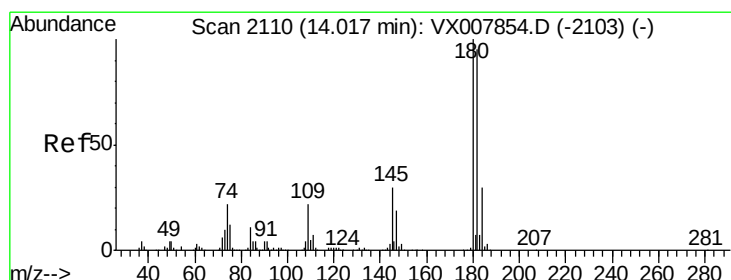
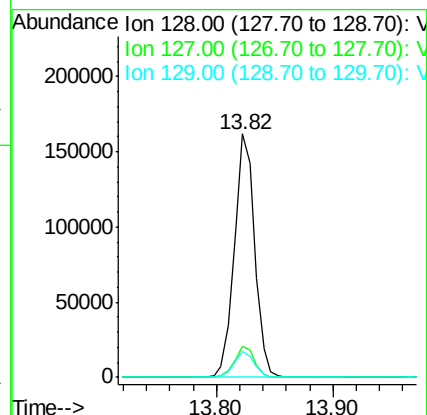
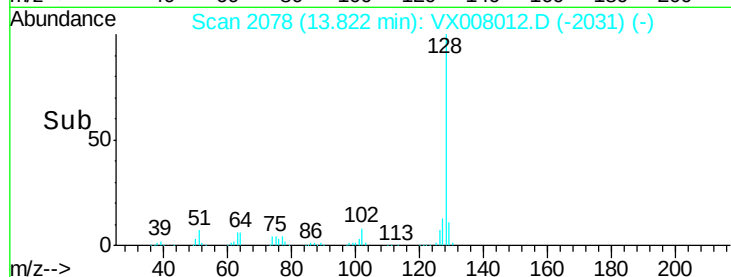
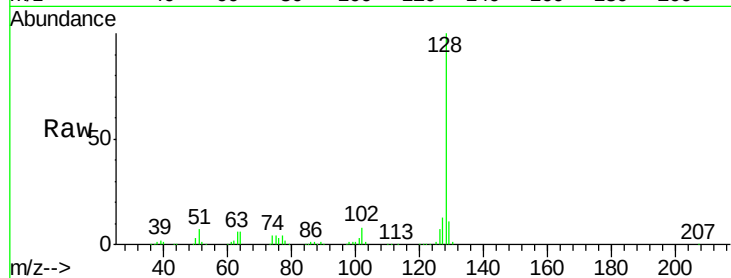
Tot Ion:128 Resp: 196831

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.7 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 20.129 ug/l

RT: 14.01 min Scan# 2109

Delta R.T. -0.01 min

Lab File: VX008012.D

Acq: 12 Mar 2019 13:30

Tgt Ion:180 Resp: 69437

Ion Ratio Lower Upper

180 100

182 96.9 47.5 142.5

145 30.4 14.8 44.3

