

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003548.D
 Acq On : 21 Jul 2018 12:10
 Operator : JC/SP
 Sample : VX0721MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

Quant Time: Jul 23 01:34:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 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	6.60	114	1119	50.00	ug/l	-0.27
63) Chlorobenzene-d5	9.95	117	376216	50.00	ug/l	-0.17
72) 1,4-Dichlorobenzene-d4	12.04	152	234347	50.00	ug/l	-0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.11	65	1409	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	587279	18332.29	ug/l	-0.42
Spiked Amount 50.000			Recovery	=	36664.58%	
62) 4-Bromofluorobenzene	10.75	95	95	8.13	ug/l	-0.39
Spiked Amount 50.000			Recovery	=	16.26%	
Target Compounds						
					Qvalue	
36) 1,1-Dichloropropene	5.57	75	21637	1790.92	ug/l #	42
37) Ethyl Acetate	4.63	43	6006	525.35	ug/l #	70
39) Methylcyclohexane	7.21	83	80933	5655.95	ug/l #	16
41) Methacrylonitrile	4.95	41	23256	3461.18	ug/l #	52
42) 1,2-Dichloroethane	6.11	62	10655	927.09	ug/l #	70
45) 1,2-Dichloropropane	7.21	63	257	27.75	ug/l #	44
46) Dibromomethane	7.21	93	2528	423.95	ug/l #	1
48) Methyl methacrylate	7.63	41	15796	1722.38	ug/l #	38
49) 1,4-Dioxane	7.21	88	137	659.30	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	408570	35561.80	ug/l	92
52) Toluene	8.39	92	169780	7394.38	ug/l	99
53) t-1,3-Dichloropropene	7.95	75	98647	7341.84	ug/l	98
54) cis-1,3-Dichloropropene	8.73	75	88448	7319.93	ug/l #	88
55) 1,1,2-Trichloroethane	8.93	97	67332	7369.54	ug/l	97
56) Ethyl methacrylate	8.91	69	89485	6953.59	ug/l #	81
57) 1,3-Dichloropropane	9.10	76	109148	7390.45	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.81	63	221788	35443.56	ug/l	98
59) 2-Hexanone	9.27	43	300686	35323.16	ug/l	88
60) Dibromochloromethane	9.35	129	67234	7434.52	ug/l	99
61) 1,2-Dibromoethane	9.44	107	69600	7348.51	ug/l	100
65) Chlorobenzene	9.97	112	195234	20.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	68155	20.44	ug/l	99
67) Ethyl Benzene	10.23	91	497758	31.94	ug/l #	65
68) m/p-Xylenes	10.23	106	250397	40.98	ug/l	96
69) o-Xylene	10.59	106	119525	20.23	ug/l	95
70) Styrene	10.61	104	199015	20.48	ug/l	96
71) Bromoform	10.76	173	51697	19.95	ug/l	100
73) Isopropylbenzene	10.94	105	325504	20.08	ug/l	100
74) N-amyl acetate	6.48	43	5753	0.84	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.21	83	90425	19.04	ug/l	99
76) 1,2,3-Trichloropropane	11.23	75	103659	24.62	ug/l	82
77) Bromobenzene	11.18	156	90946	19.51	ug/l	95
78) n-propylbenzene	11.30	91	358897	19.92	ug/l	97
79) 2-Chlorotoluene	11.45	91	254738	23.29	ug/l	95

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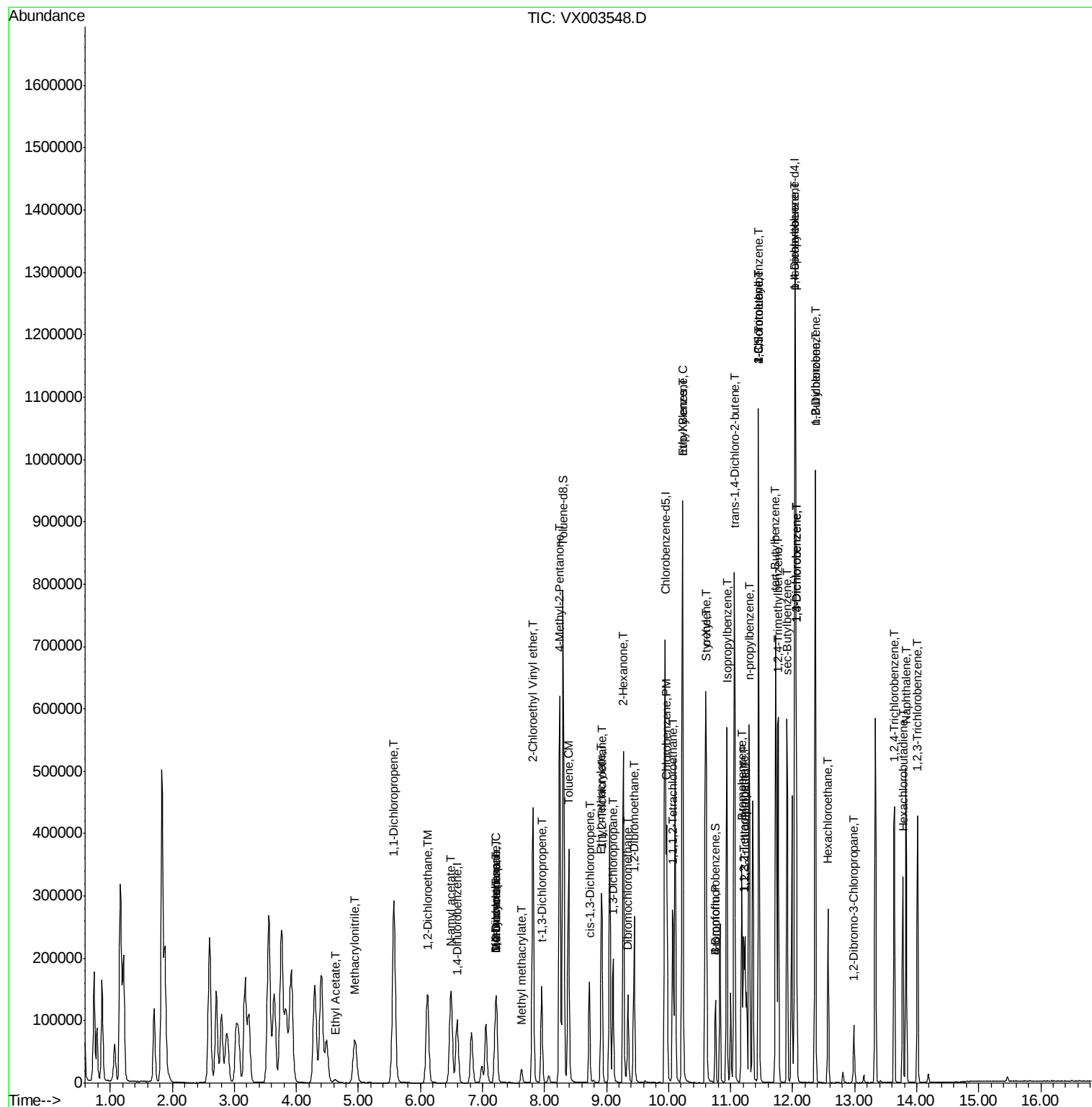
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	11.45	105	273537	20.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	97280	64.89	ug/l #	6
82) 4-Chlorotoluene	11.45	91	254738	19.88	ug/l	98
83) tert-Butylbenzene	11.73	119	252150	19.33	ug/l	96
84) 1,2,4-Trimethylbenzene	11.77	105	278829	20.57	ug/l	98
85) sec-Butylbenzene	11.91	105	318455	20.10	ug/l	99
86) p-Isopropyltoluene	12.03	119	291247	20.48	ug/l	98
87) 1,3-Dichlorobenzene	12.06	146	167674	19.57	ug/l	98
88) 1,4-Dichlorobenzene	12.06	146	167674	19.00	ug/l	99
89) n-Butylbenzene	12.37	91	238458	19.75	ug/l	99
90) Hexachloroethane	12.57	117	36819	18.22	ug/l	96
91) 1,2-Dichlorobenzene	12.37	146	165107	19.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16768	18.14	ug/l	86
93) 1,2,4-Trichlorobenzene	13.64	180	121229	19.59	ug/l	99
94) Hexachlorobutadiene	13.78	225	58059	19.50	ug/l	99
95) Naphthalene	13.83	128	319875	19.67	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	119594	19.52	ug/l	99

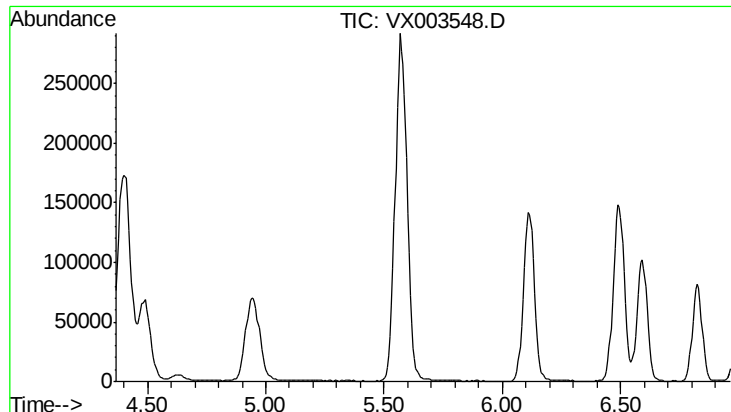
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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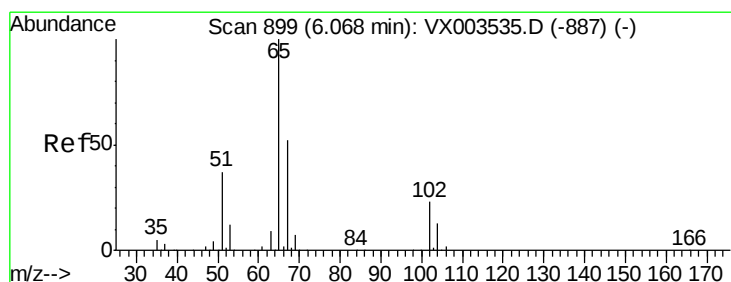
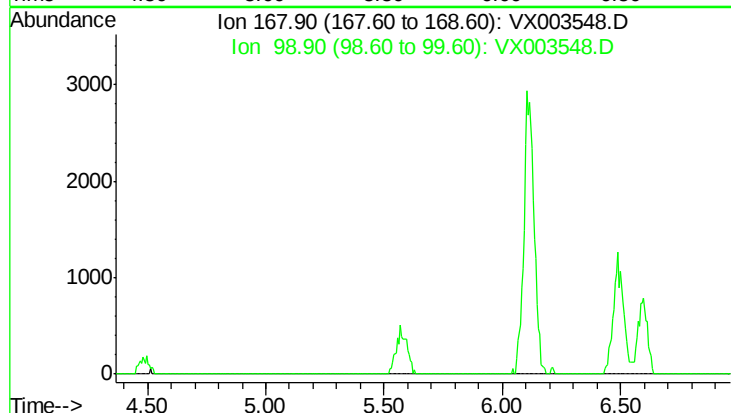




#1
 Pentafluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 5.67 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

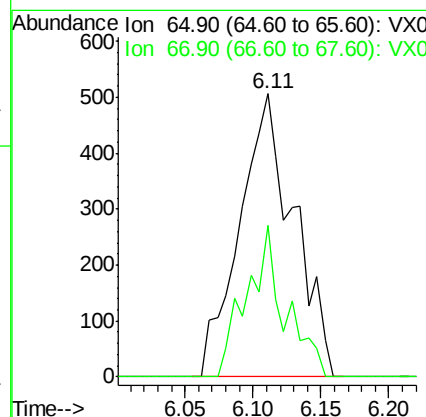
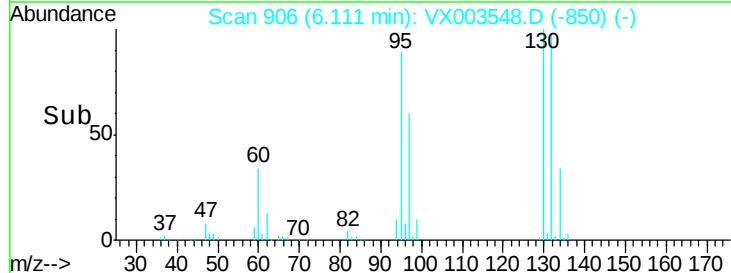
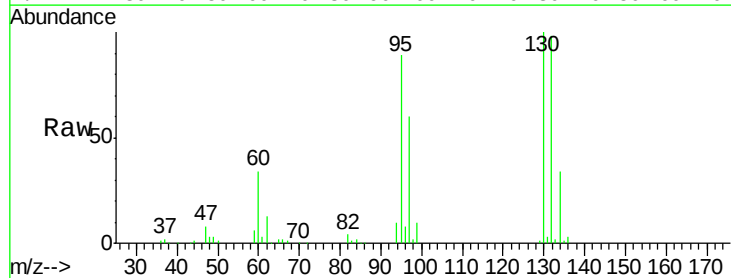
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

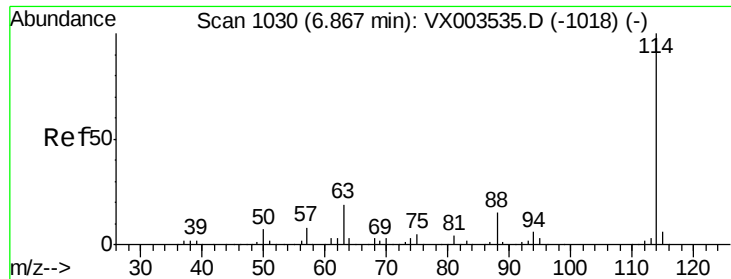
Tot Ion: 168
 Sig Exp Ratio
 168 100
 99 49.1



#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 RT: 6.11 min Scan# 906
 Delta R.T. 0.04 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Tgt Ion: 65 Resp: 1409
 Ion Ratio Lower Upper
 65 100
 67 37.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.60 min Scan# 986

Delta R.T. -0.27 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

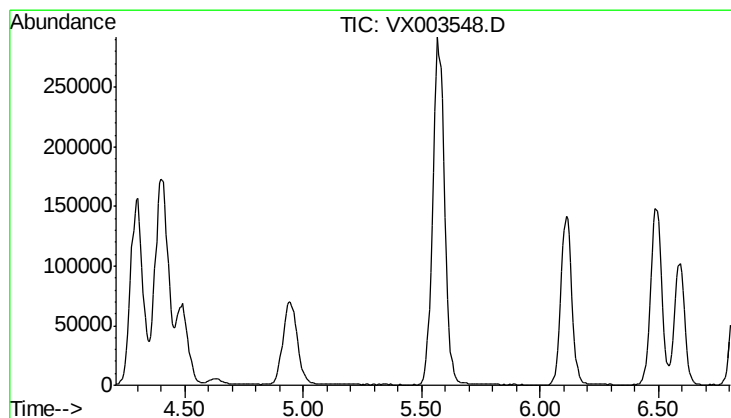
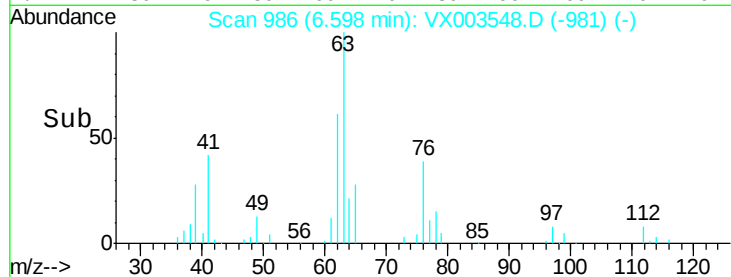
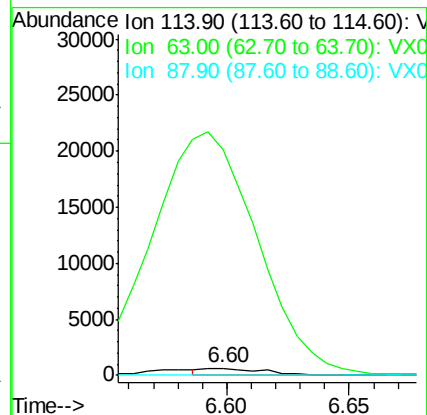
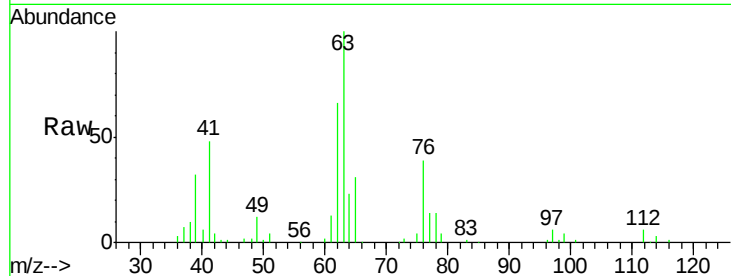
Tot Ion:114 Resp: 1119

Ion Ratio Lower Upper

114 100

63 3008.0 0.0 41.4#

88 0.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 5.51 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

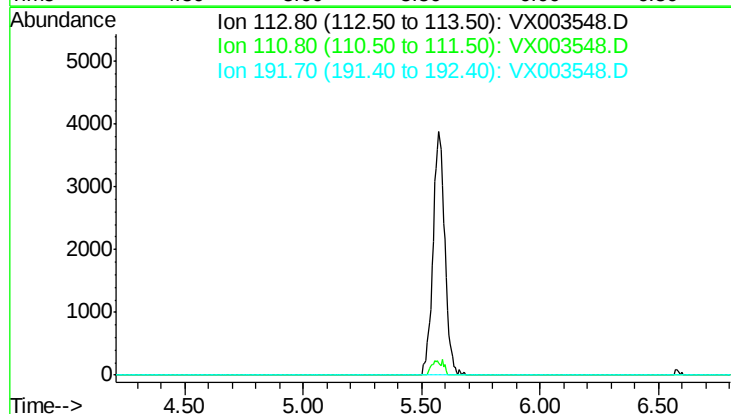
Tgt Ion: 113

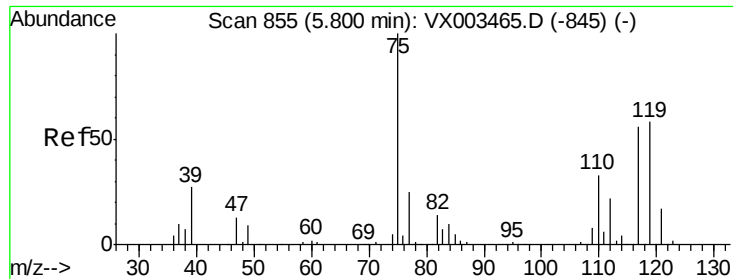
Sig Exp Ratio

113 100

111 101.7

192 23.9





#36

1,1-Dichloropropene

Concen: 1790.92 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.23 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

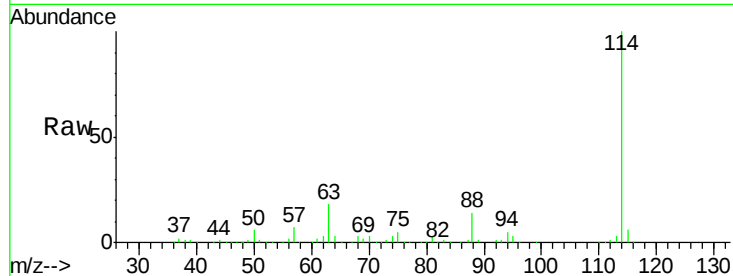
Tot Ion: 75 Resp: 21637

Ion Ratio Lower Upper

75 100

110 0.4 18.1 54.4#

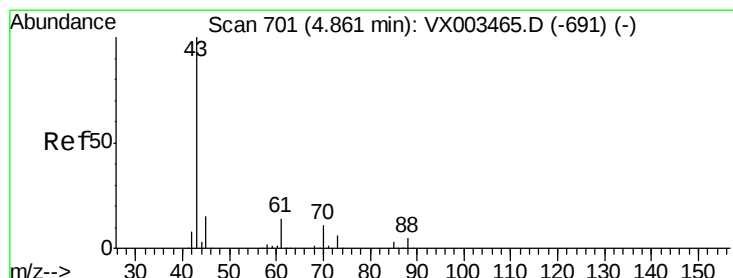
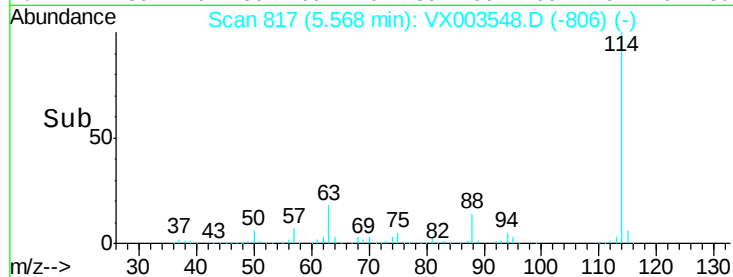
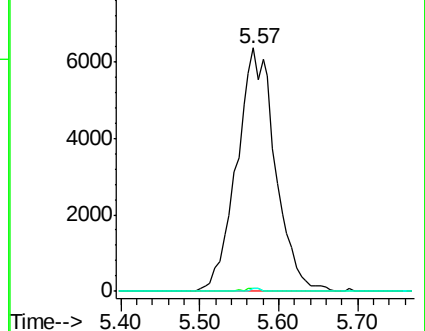
77 0.2 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 525.35 ug/l

RT: 4.63 min Scan# 663

Delta R.T. -0.23 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

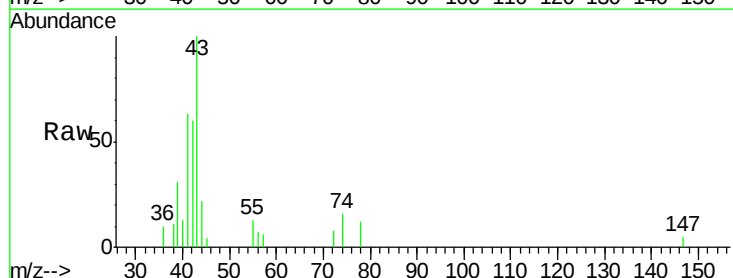
Tgt Ion: 43 Resp: 6006

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

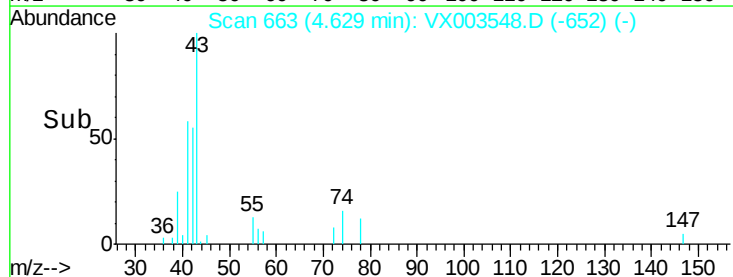
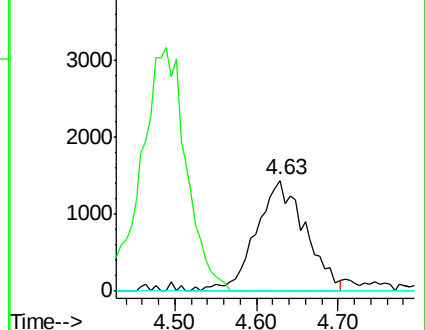
70 0.0 7.6 11.4#

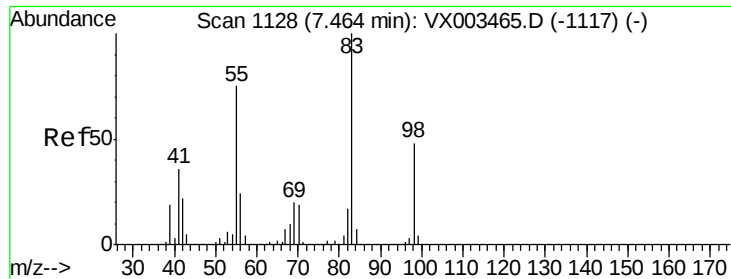


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

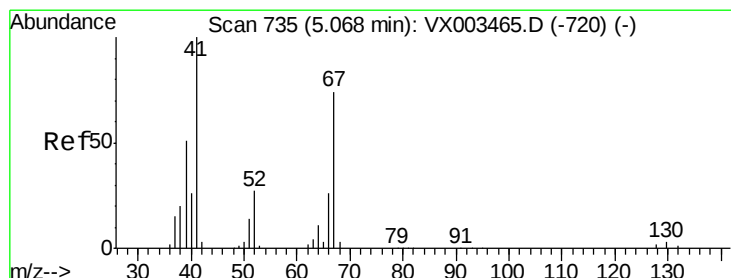
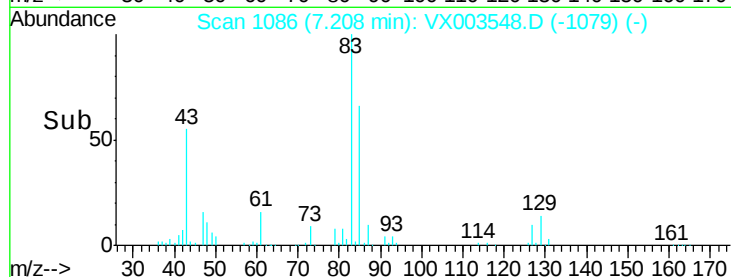
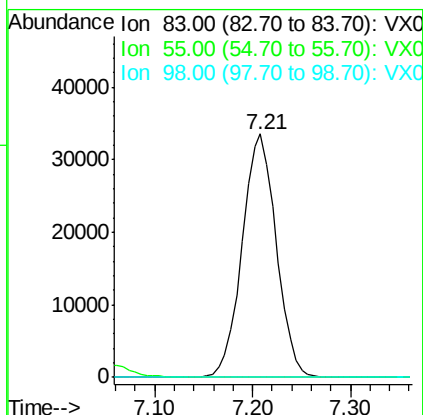
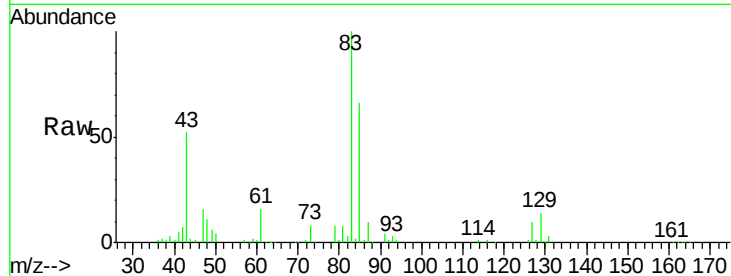




#39
Methylvlcyclohexane
Concen: 5655.95 ug/l
RT: 7.21 min Scan# 1086
Delta R.T. -0.26 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

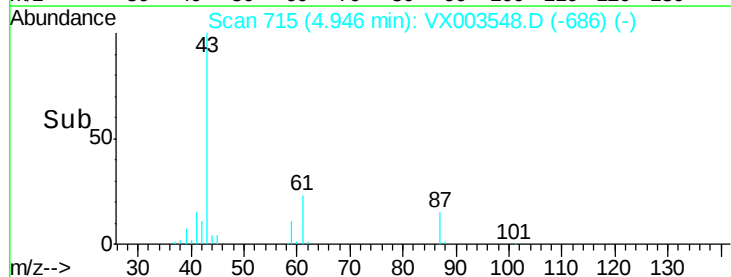
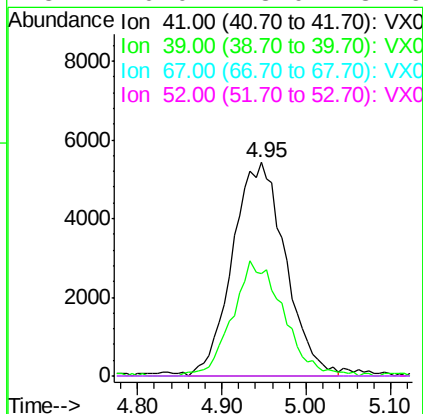
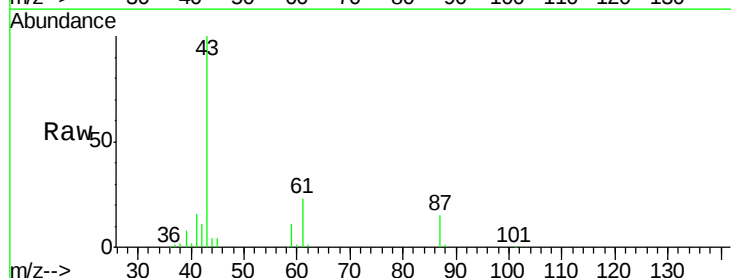
Instrument :
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ClientSampleId :
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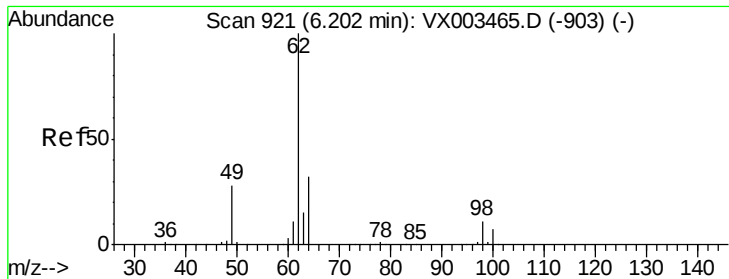
Tot Ion: 83 Resp: 80933
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 37.4 56.0#



#41
Methacrylonitrile
Concen: 3461.18 ug/l
RT: 4.95 min Scan# 715
Delta R.T. -0.12 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion: 41 Resp: 23256
Ion Ratio Lower Upper
41 100
39 51.8 45.8 68.6
67 0.0 51.3 76.9#
52 0.0 23.0 34.6#





#42

1,2-Dichloroethane

Concen: 927.09 ug/l

RT: 6.11 min Scan# 906

Delta R.T. -0.09 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

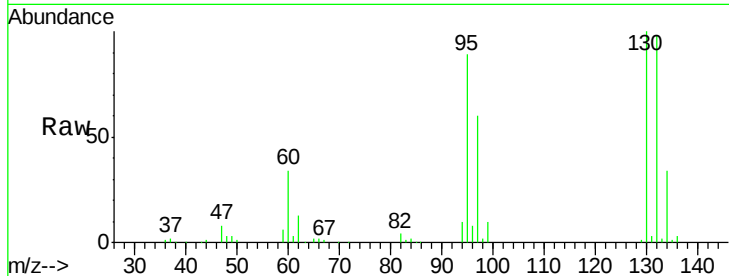
VX0721MBS01

Tot Ion: 62 Resp: 10655

Ion Ratio Lower Upper

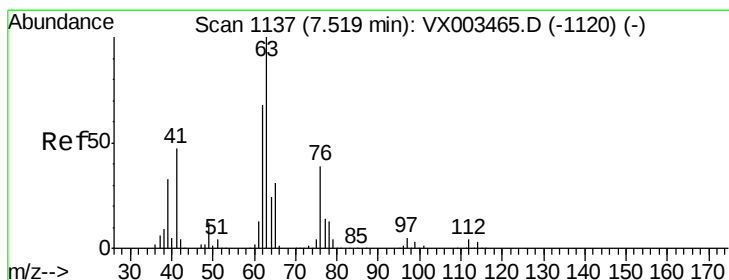
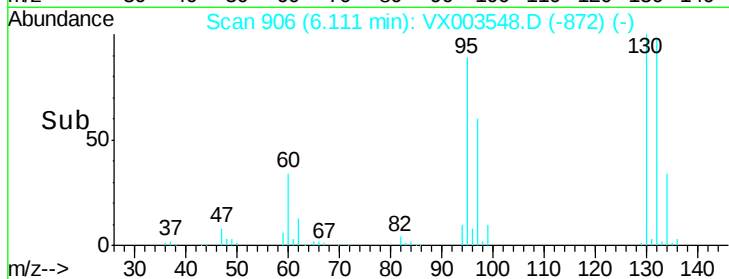
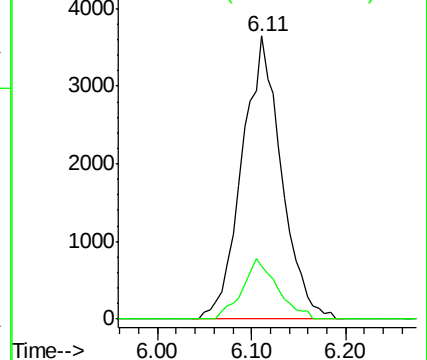
62 100

98 18.9 0.0 16.6#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#45

1,2-Dichloropropane

Concen: 27.75 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.30 min

Lab File: VX003548.D

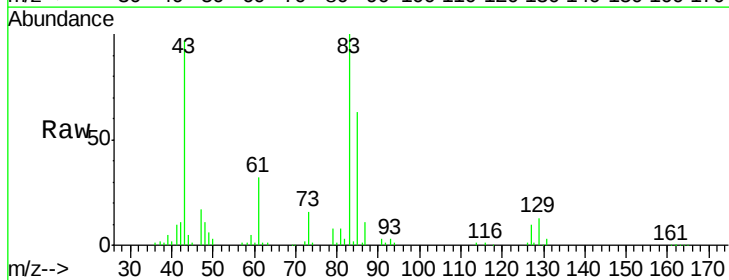
Acq: 21 Jul 2018 12:10

Tgt Ion: 63 Resp: 257

Ion Ratio Lower Upper

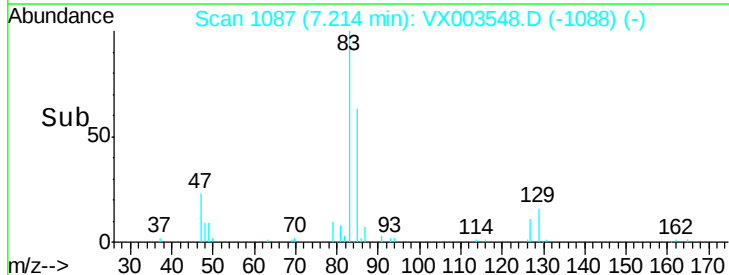
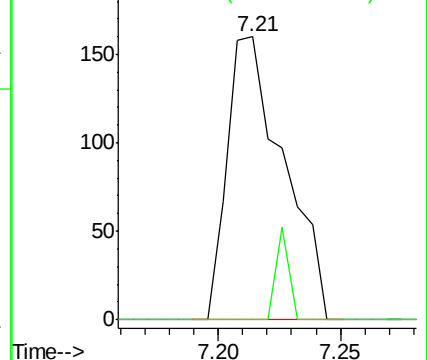
63 100

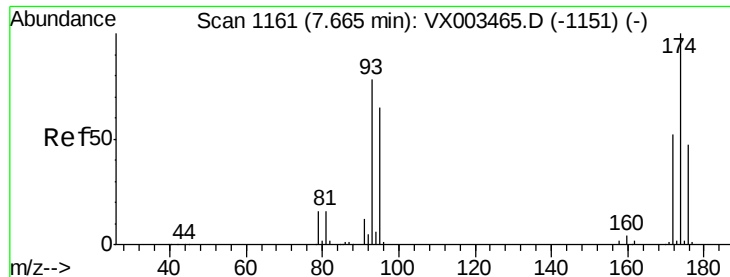
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

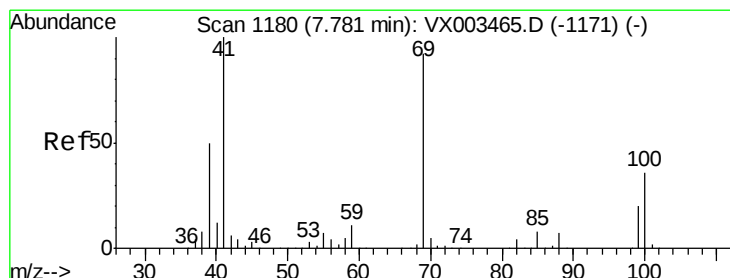
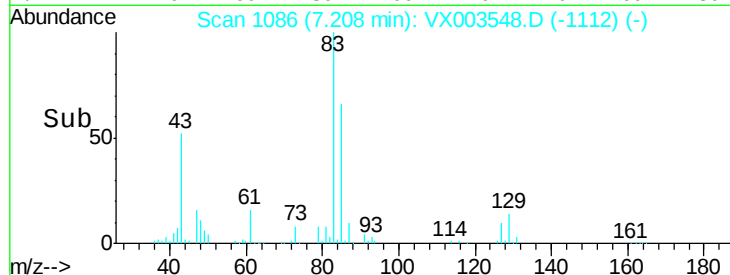
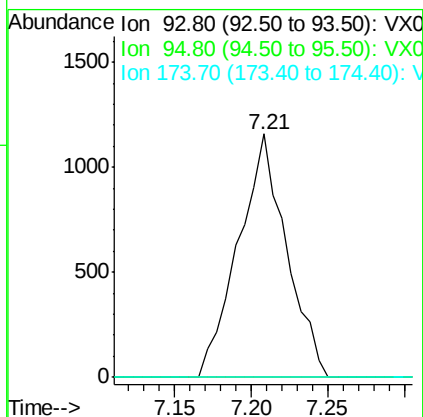
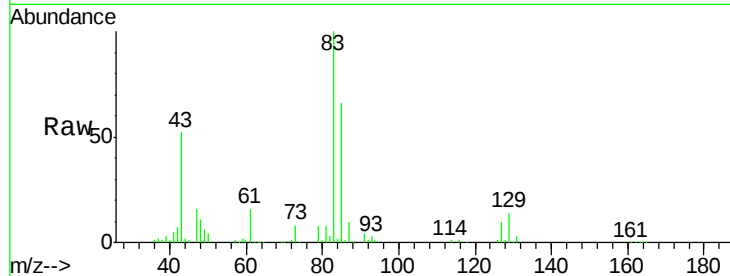




#46
Dibromomethane
Concen: 423.95 ug/l
RT: 7.21 min Scan# 1086
Delta R.T. -0.46 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

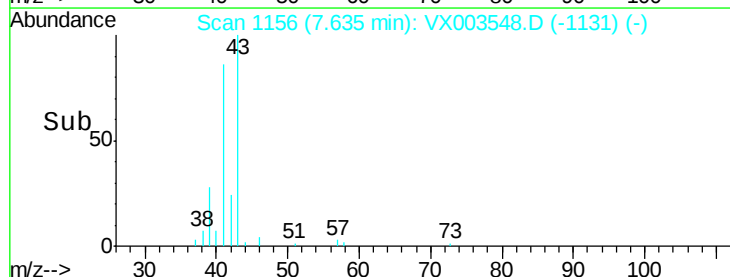
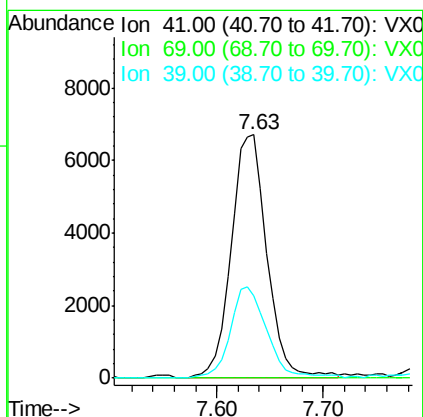
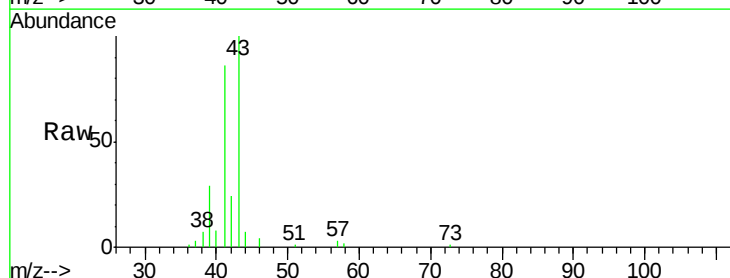
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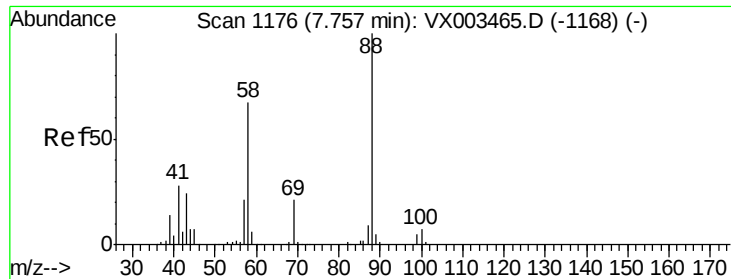
Tot Ion: 93 Resp: 2528
Ion Ratio Lower Upper
93 100
95 0.0 65.9 98.9#
174 0.0 92.4 138.6#



#48
Methyl methacrylate
Concen: 1722.38 ug/l
RT: 7.63 min Scan# 1156
Delta R.T. -0.15 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion: 41 Resp: 15796
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 38.1 48.9 73.3#





#49

1,4-Dioxane

Concen: 659.30 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.55 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

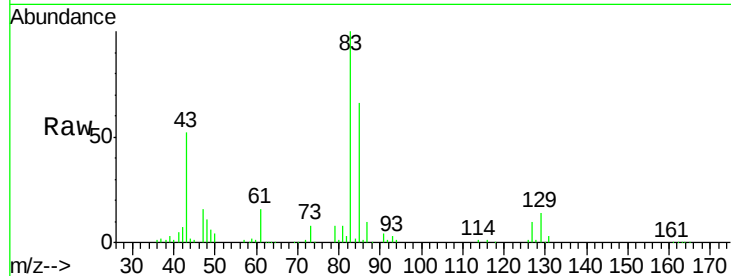
Tot Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 75805.8 29.8 44.6#

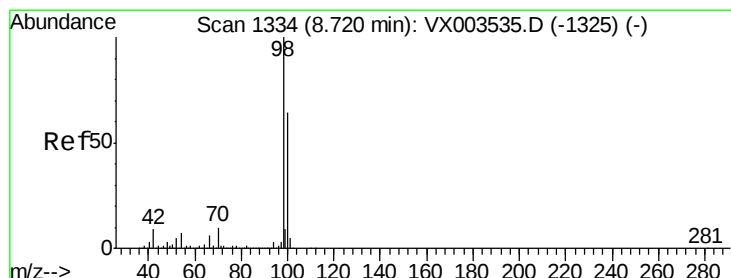
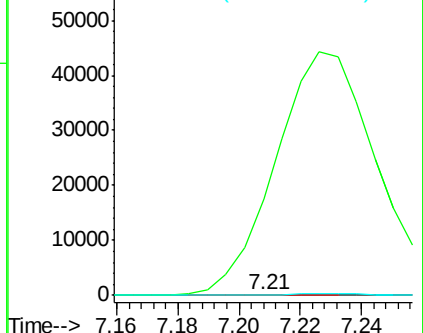
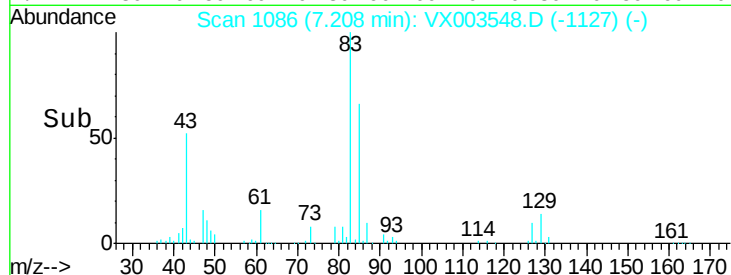
58 516.8 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 18332.29 ug/l

RT: 8.30 min Scan# 1265

Delta R.T. -0.42 min

Lab File: VX003548.D

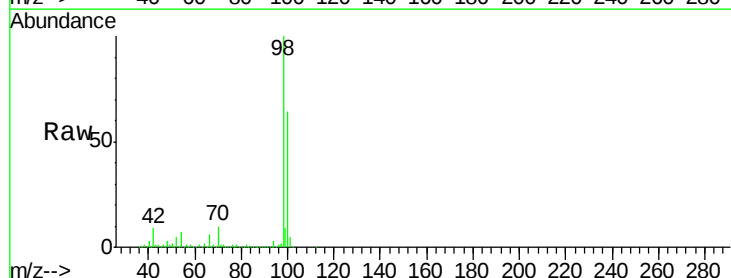
Acq: 21 Jul 2018 12:10

Tgt Ion: 98 Resp: 587279

Ion Ratio Lower Upper

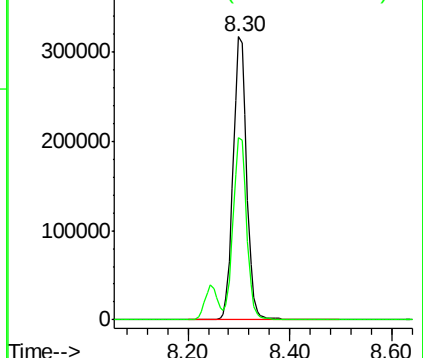
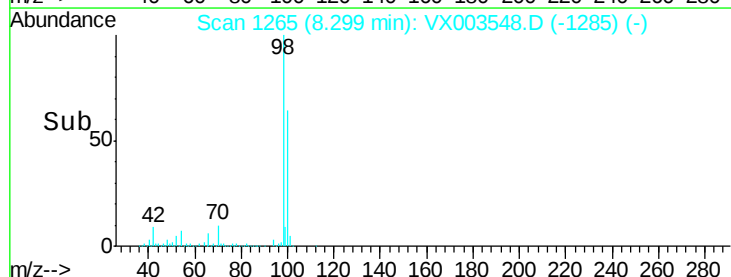
98 100

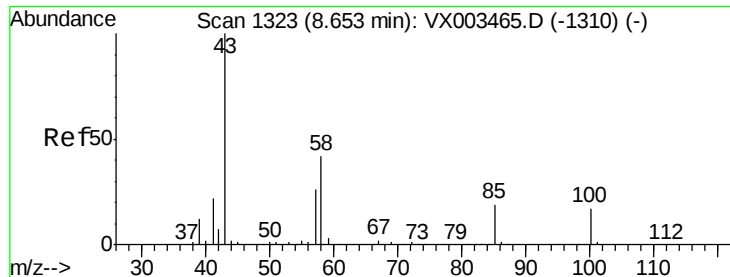
100 64.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

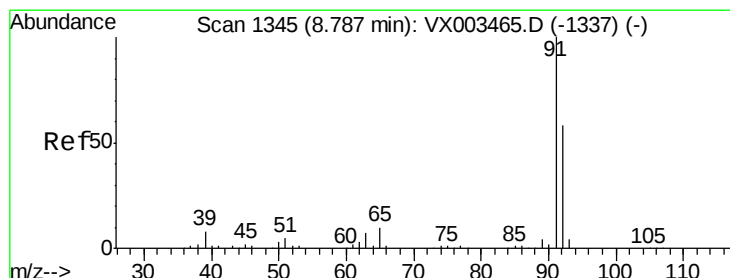
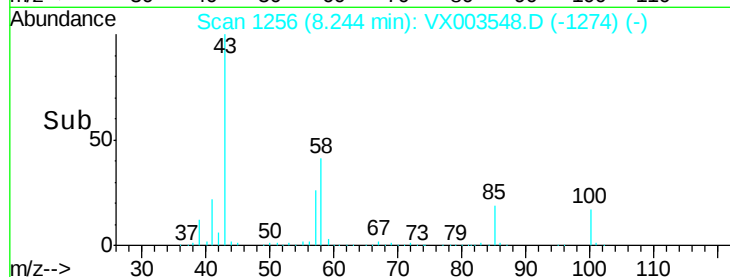
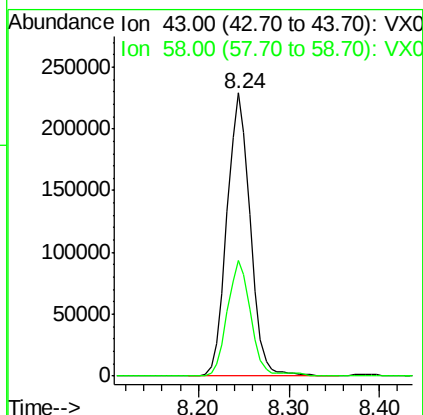
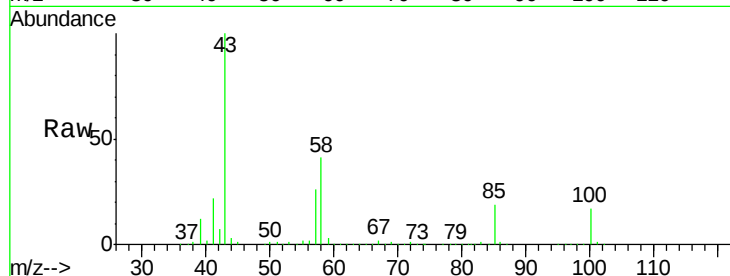




#51
4-Methyl-2-Pentanone
Concen: 35561.80 ug/l
RT: 8.24 min Scan# 1256
Delta R.T. -0.41 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

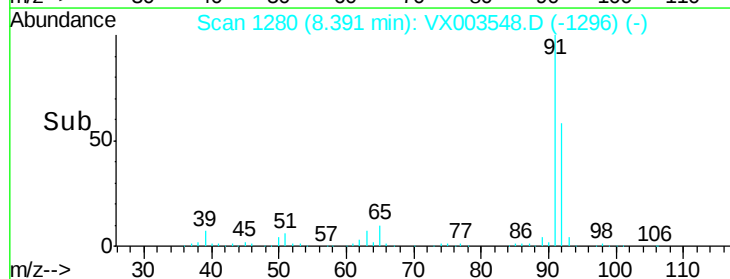
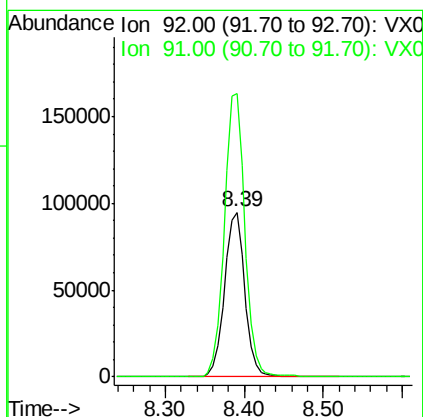
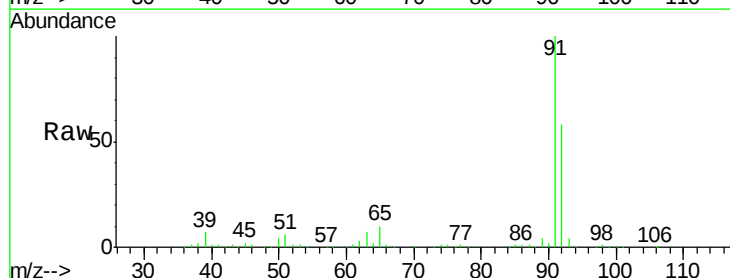
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS01

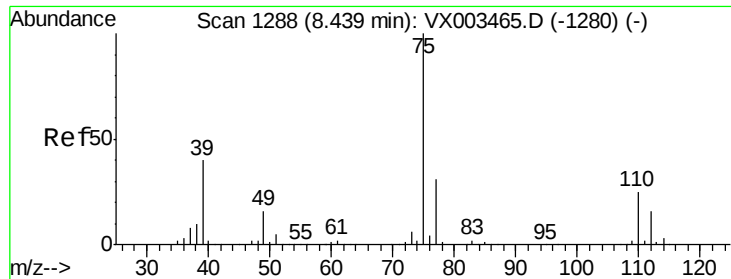
Tot Ion: 43 Resp: 408570
Ion Ratio Lower Upper
43 100
58 40.3 28.6 42.8



#52
Toluene
Concen: 7394.38 ug/l
RT: 8.39 min Scan# 1280
Delta R.T. -0.40 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion: 92 Resp: 169780
Ion Ratio Lower Upper
92 100
91 173.9 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 7341.84 ug/l

RT: 7.95 min Scan# 1208

Delta R.T. -0.49 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

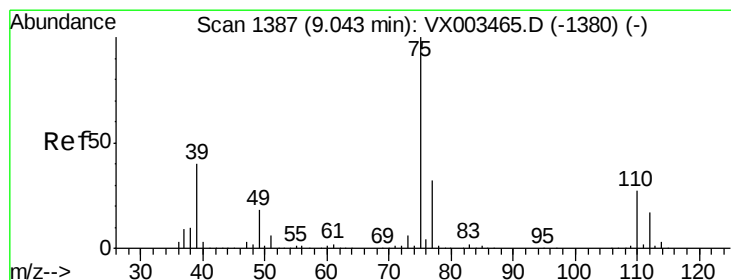
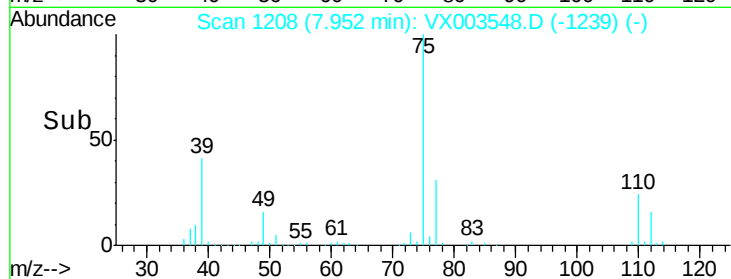
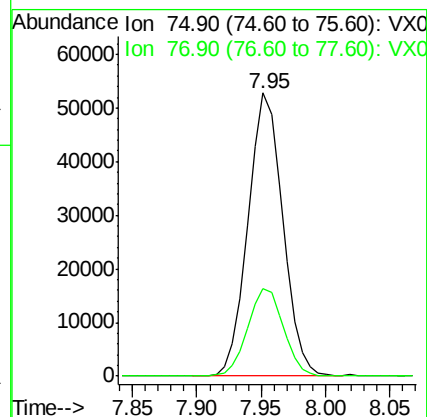
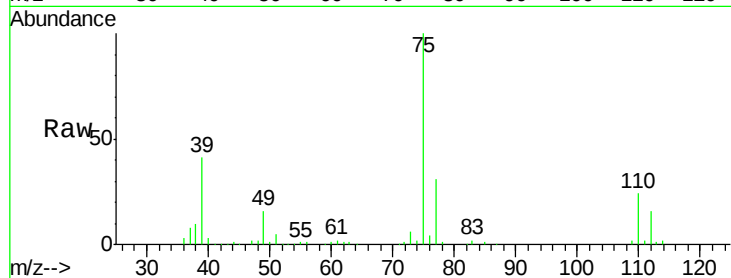
VX0721MBS01

Tot Ion: 75 Resp: 98647

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 7319.93 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.32 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

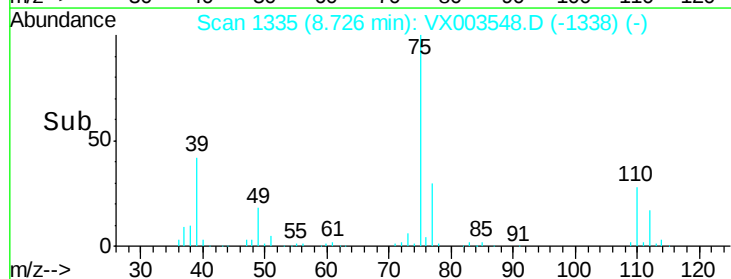
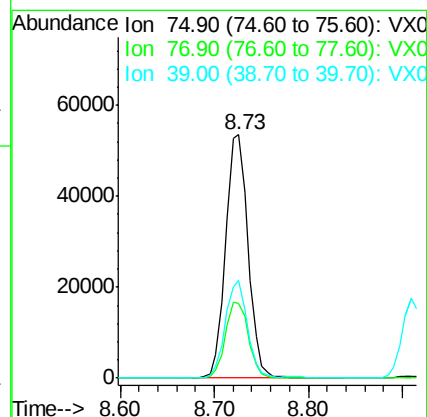
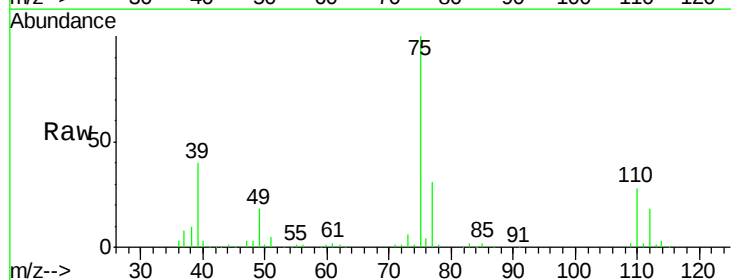
Tgt Ion: 75 Resp: 88448

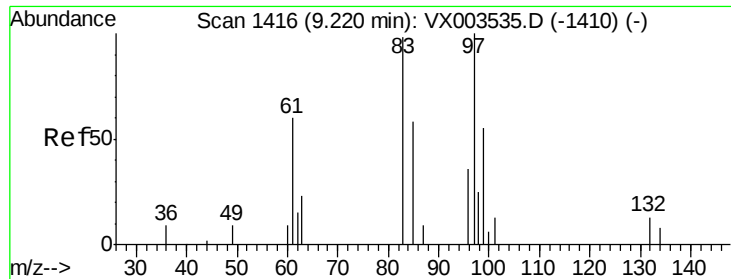
Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

39 40.2 42.4 63.6#

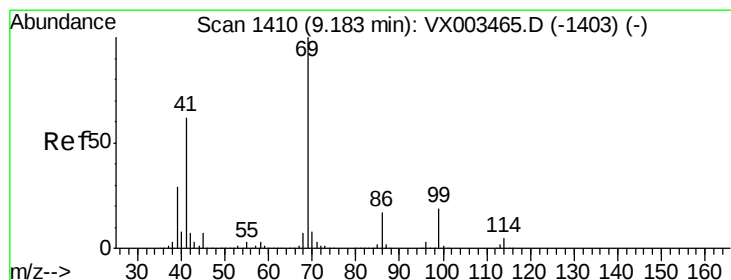
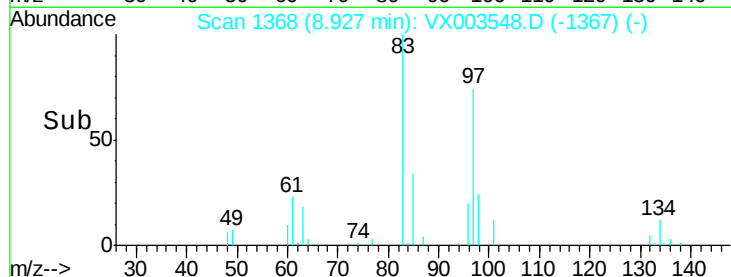
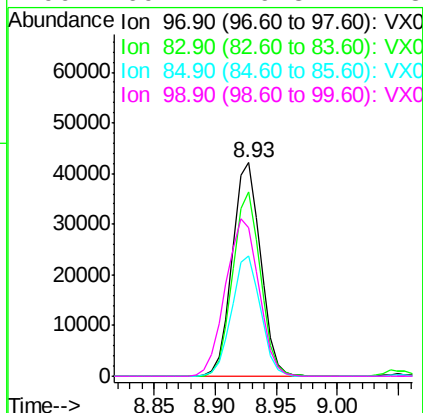
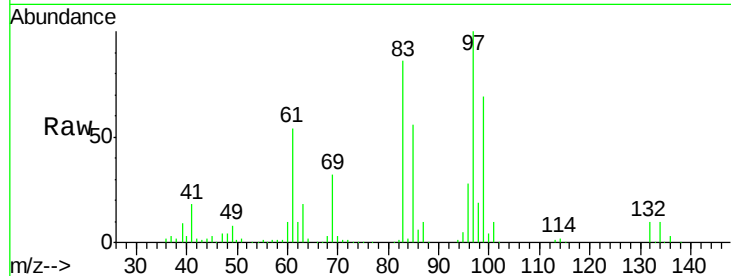




#55
 1,1,2-Trichloroethane
 Concen: 7369.54 ug/l
 RT: 8.93 min Scan# 1368
 Delta R.T. -0.29 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

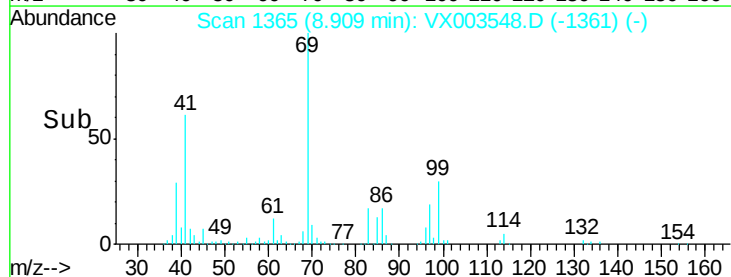
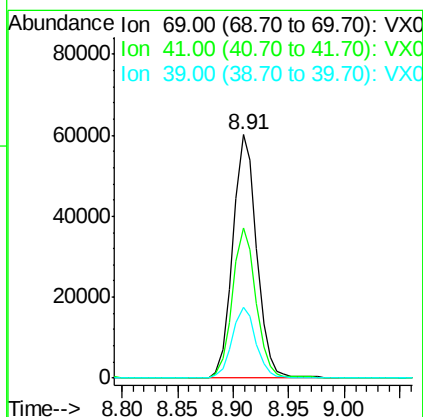
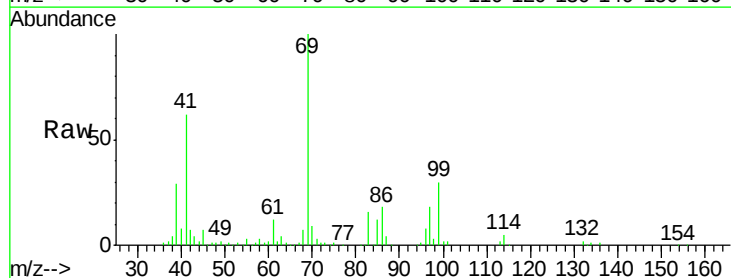
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

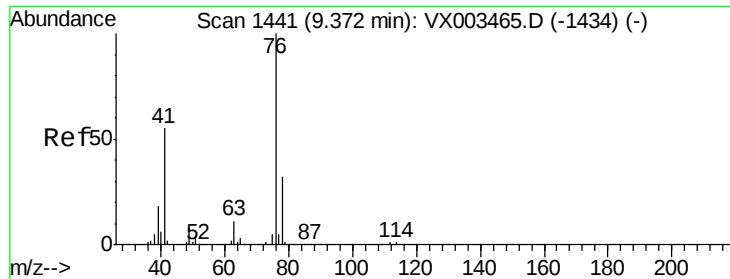
Tot Ion:	97	Resp:	67332
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.2	105.2
85	56.2	44.9	67.3
99	69.4	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 6953.59 ug/l
 RT: 8.91 min Scan# 1365
 Delta R.T. -0.27 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Tgt Ion:	69	Resp:	89485
Ion	Ratio	Lower	Upper
69	100		
41	61.3	60.3	90.5
39	29.2	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 7390.45 ug/l

RT: 9.10 min Scan# 1397

Delta R.T. -0.27 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

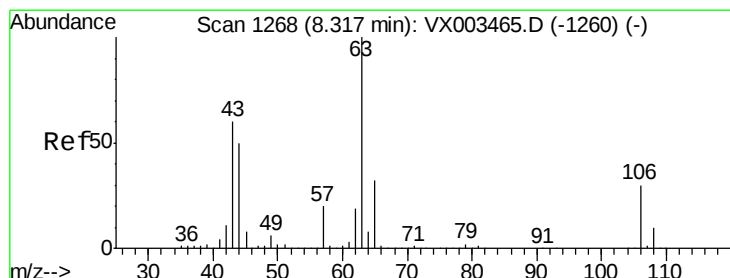
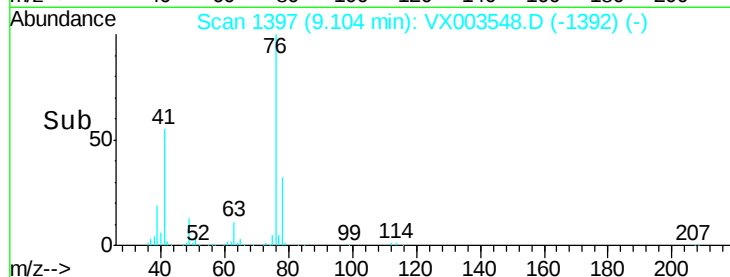
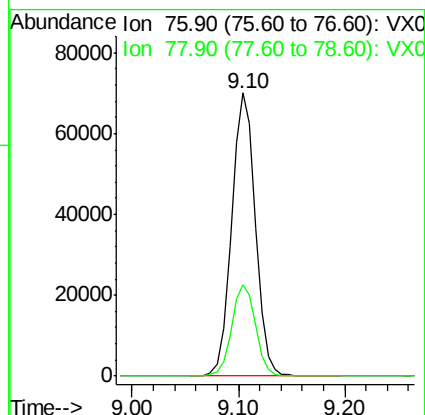
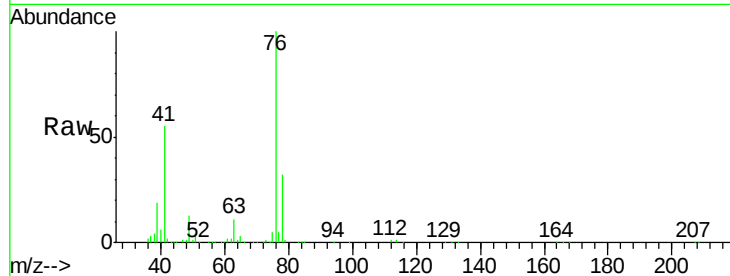
VX0721MBS01

Tot Ion: 76 Resp: 109148

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 35443.56 ug/l

RT: 7.81 min Scan# 1185

Delta R.T. -0.51 min

Lab File: VX003548.D

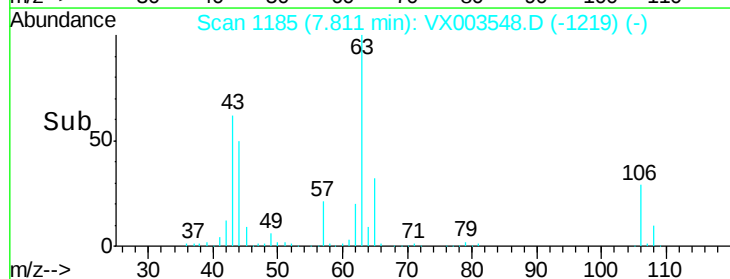
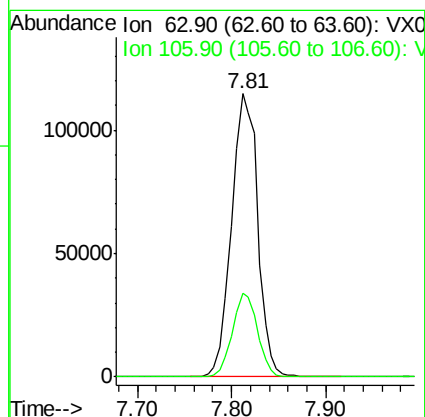
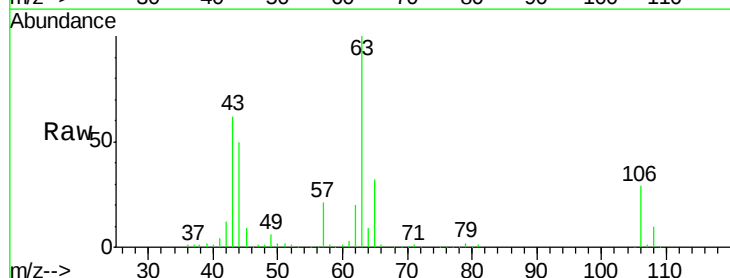
Acq: 21 Jul 2018 12:10

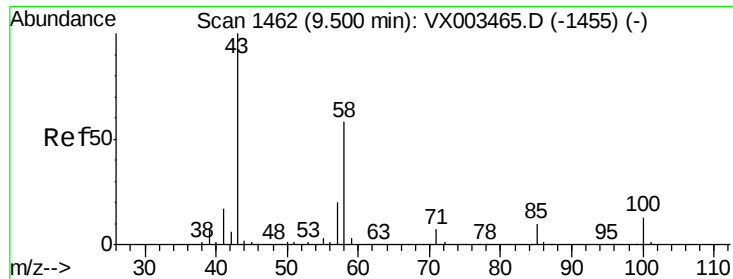
Tgt Ion: 63 Resp: 221788

Ion Ratio Lower Upper

63 100

106 28.5 21.8 32.8

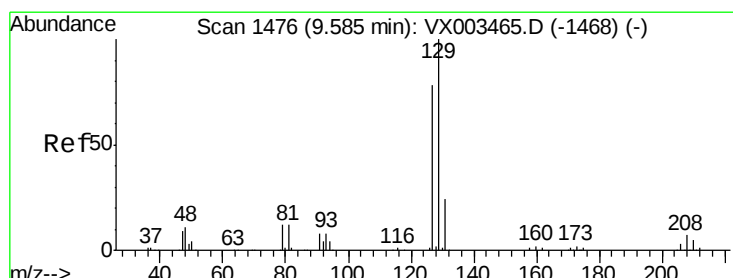
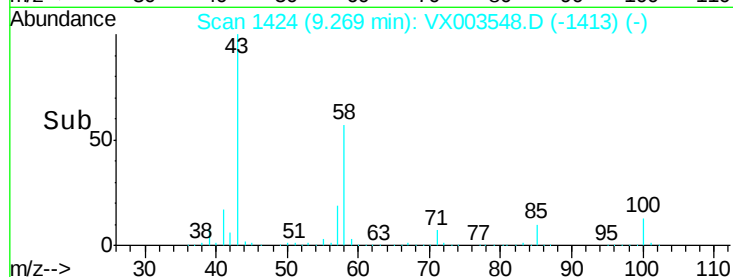
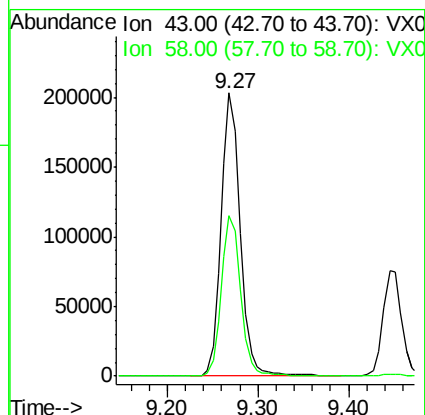
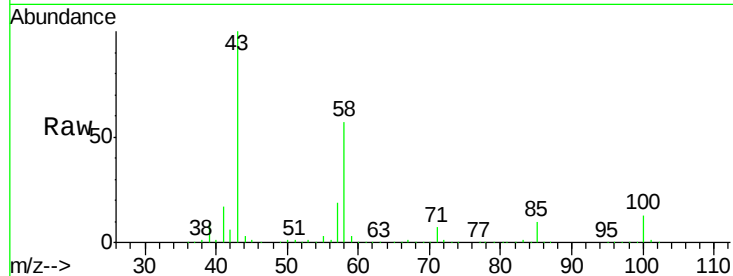




#59
2-Hexanone
Concen: 35323.16 ug/l
RT: 9.27 min Scan# 1424
Delta R.T. -0.23 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

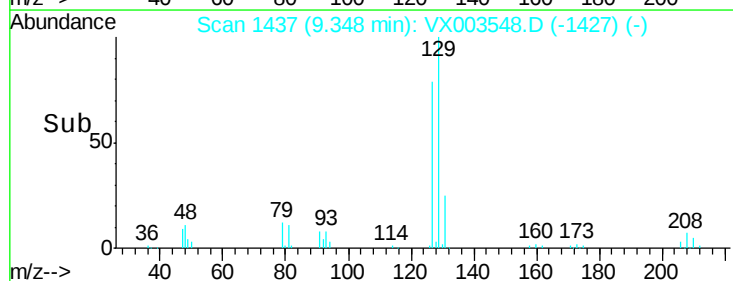
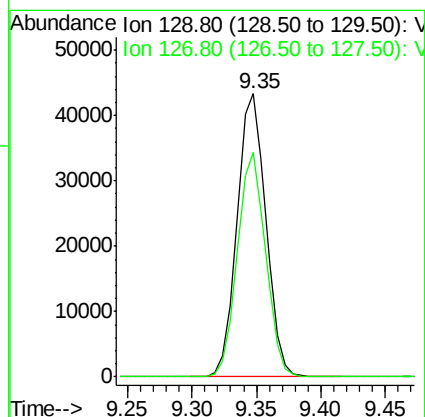
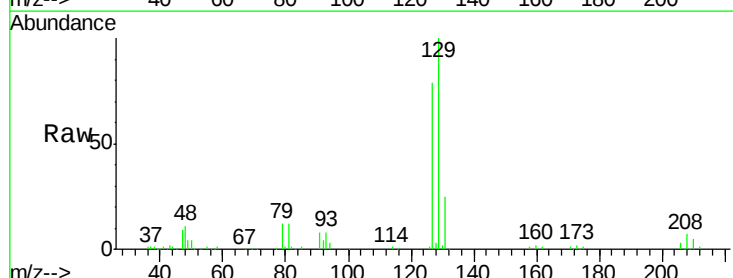
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS01

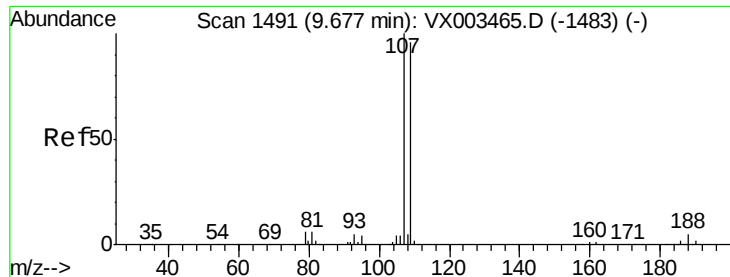
Tot Ion: 43 Resp: 300686
Ion Ratio Lower Upper
43 100
58 57.4 24.6 73.6



#60
Dibromochloromethane
Concen: 7434.52 ug/l
RT: 9.35 min Scan# 1437
Delta R.T. -0.24 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion: 129 Resp: 67234
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 7348.51 ug/l

RT: 9.44 min Scan# 1452

Delta R.T. -0.24 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

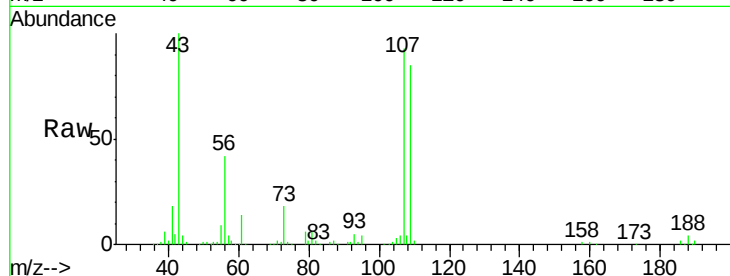
VX0721MBS01

Tot Ion:107 Resp: 69600

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.44

50000

40000

30000

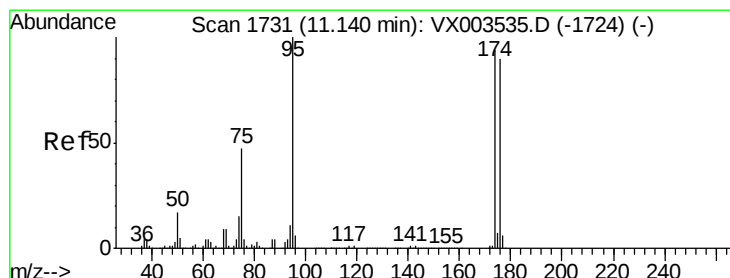
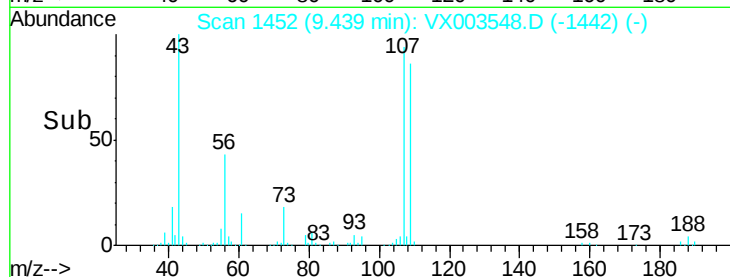
20000

10000

0

9.35 9.40 9.45 9.50 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: 8.13 ug/l

RT: 10.75 min Scan# 1667

Delta R.T. -0.39 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

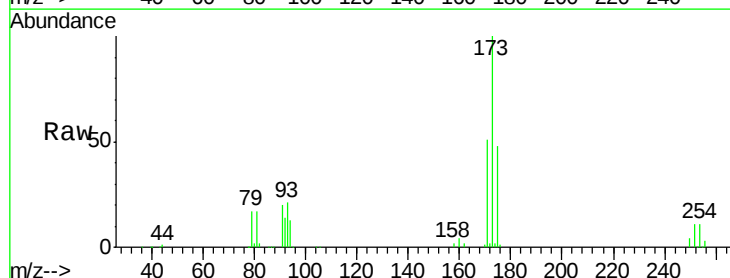
Tgt Ion: 95 Resp: 95

Ion Ratio Lower Upper

95 100

174 1091.6 0.0 187.4#

176 310.5 0.0 181.0#



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

800

600

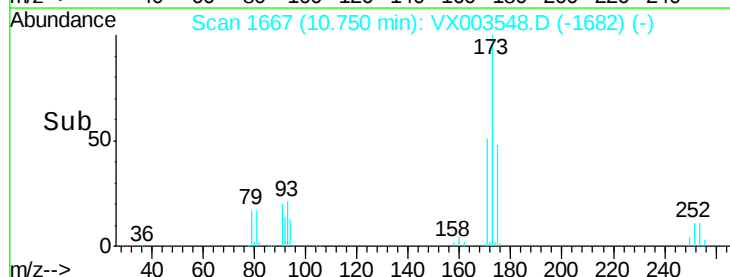
400

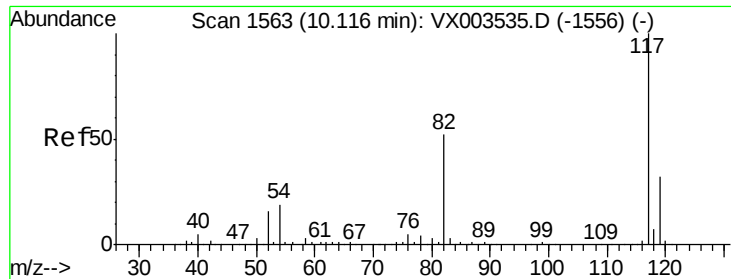
200

0

10.72 10.74 10.76 10.78

Time-->

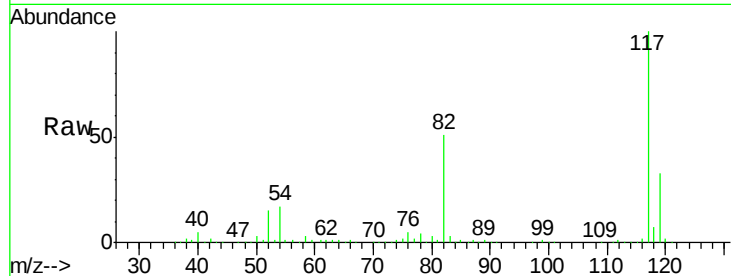




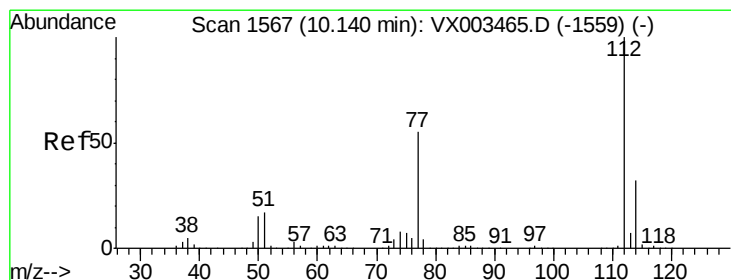
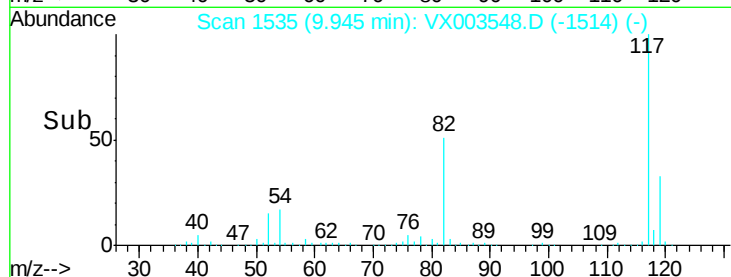
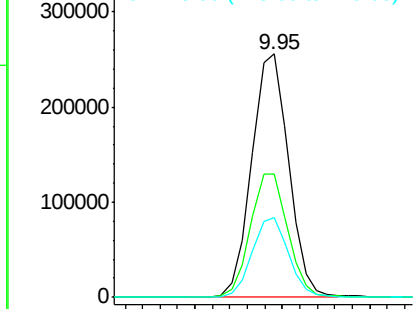
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.95 min Scan# 1535
Delta R.T. -0.17 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS01

Tot Ion:117 Resp: 376216
Ion Ratio Lower Upper
117 100
82 50.6 45.0 67.4
119 32.6 25.8 38.6

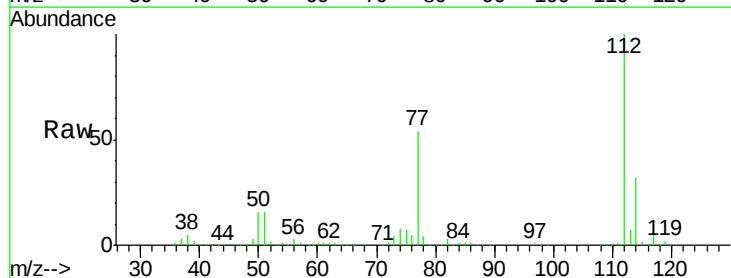


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

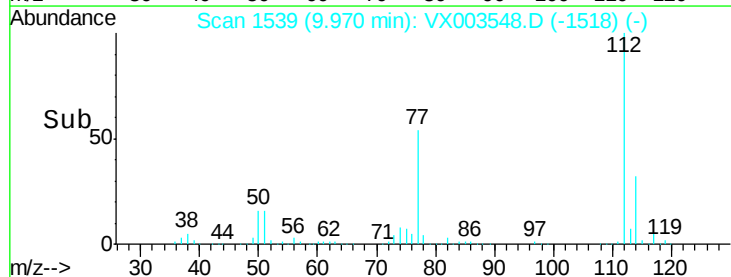
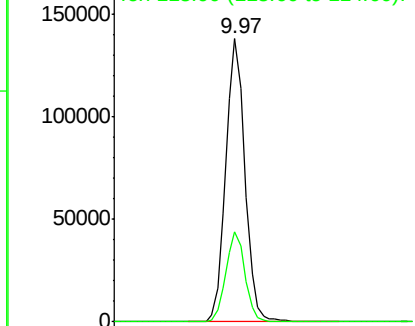


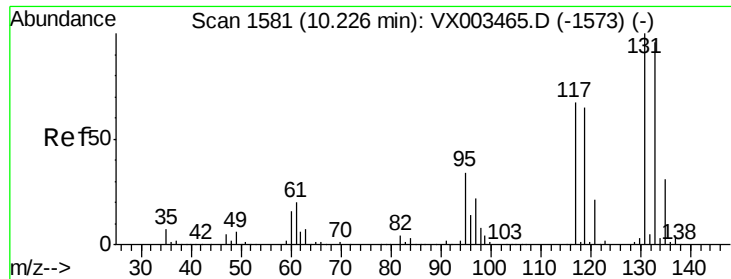
#65
Chlorobenzene
Concen: 20.14 ug/l
RT: 9.97 min Scan# 1539
Delta R.T. -0.17 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion:112 Resp: 195234
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



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: 20.44 ug/l

RT: 10.07 min Scan# 1555

Delta R.T. -0.16 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

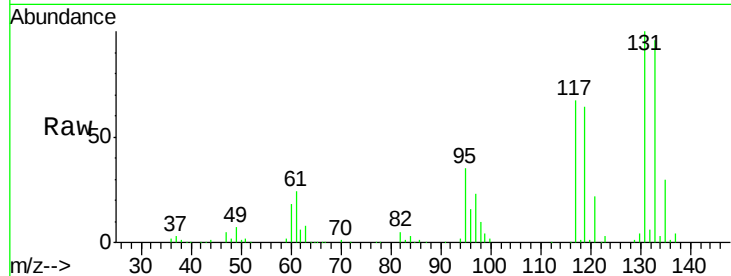
Tot Ion:131 Resp: 68155

Ion Ratio Lower Upper

131 100

133 96.5 47.9 143.6

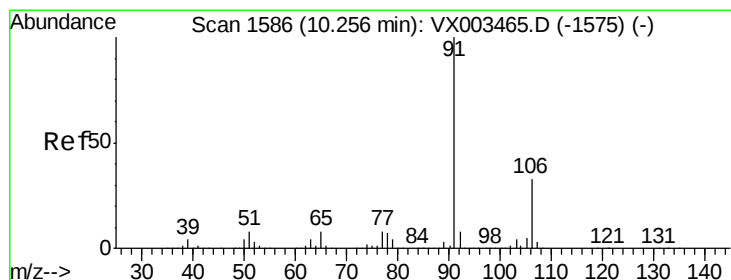
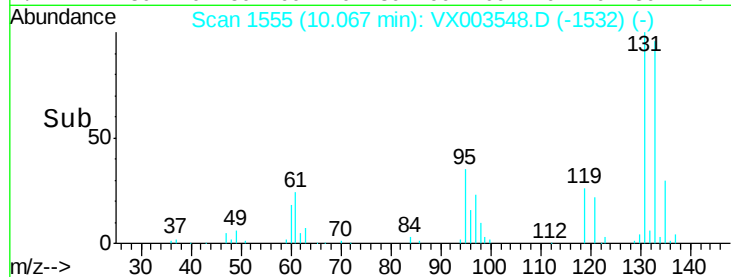
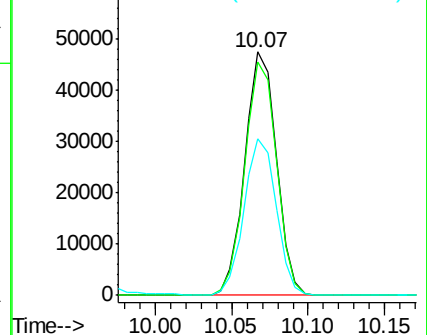
119 65.4 31.8 95.3



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: 31.94 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.03 min

Lab File: VX003548.D

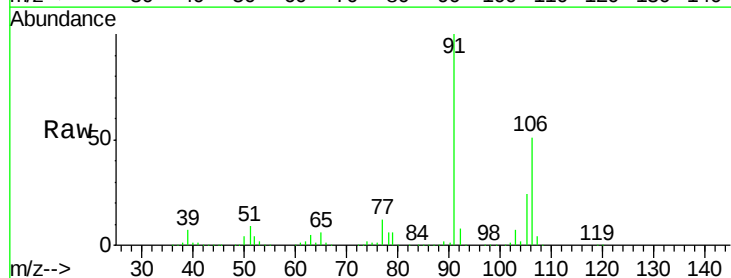
Acq: 21 Jul 2018 12:10

Tgt Ion: 91 Resp: 497758

Ion Ratio Lower Upper

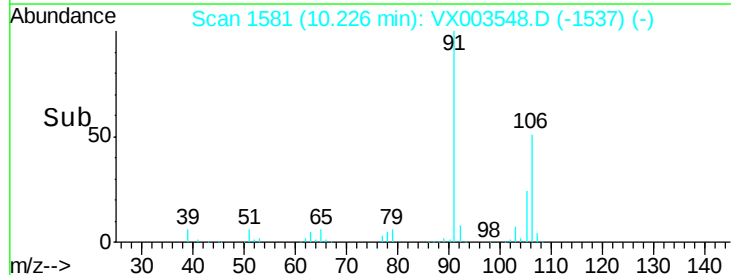
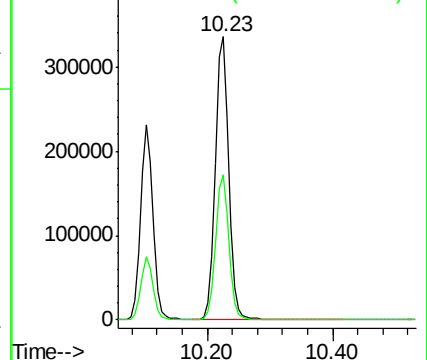
91 100

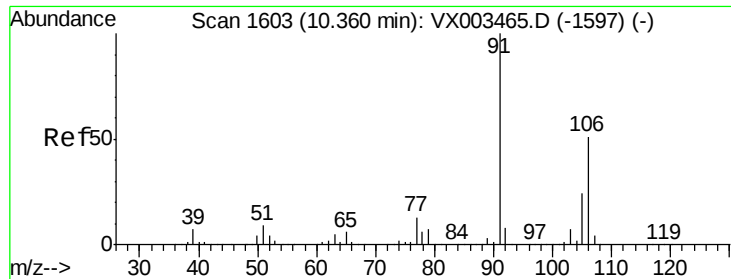
106 51.3 25.5 38.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

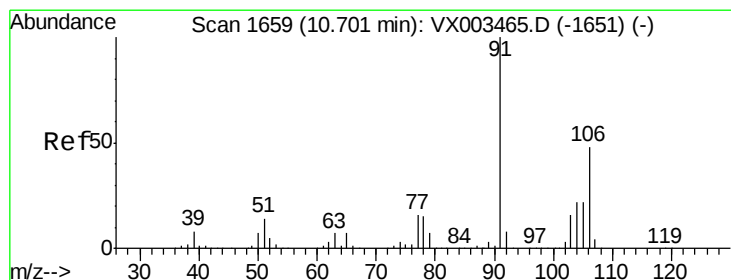
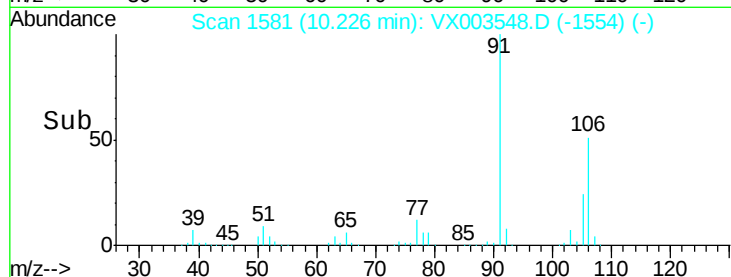
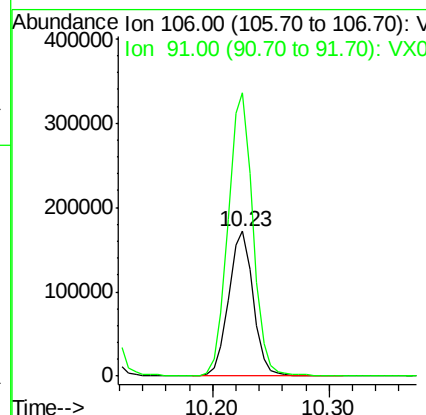
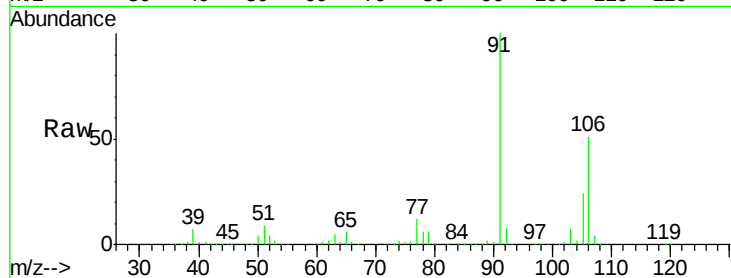




#68
m/p-Xylenes
Concen: 40.98 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.13 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

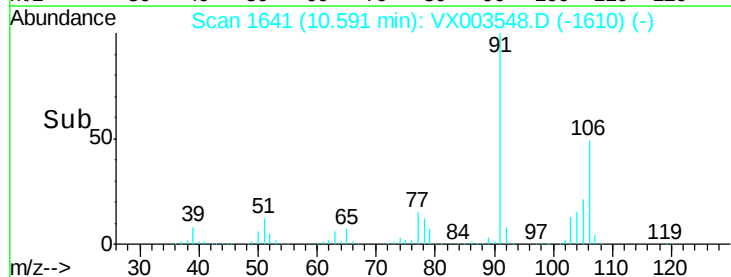
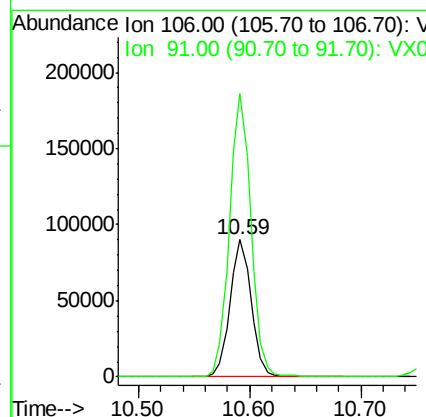
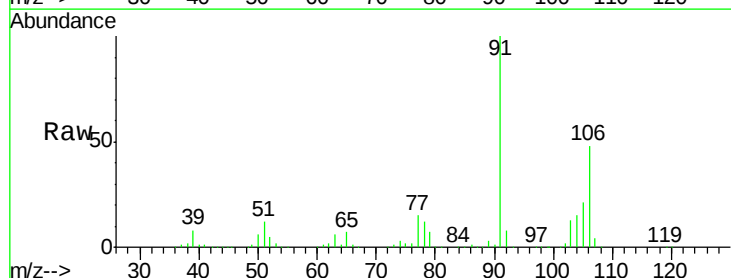
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS01

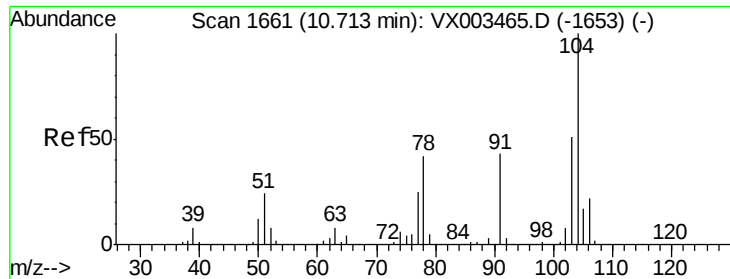
Tot Ion:106 Resp: 250397
Ion Ratio Lower Upper
106 100
91 198.7 163.4 245.2



#69
o-Xylene
Concen: 20.23 ug/l
RT: 10.59 min Scan# 1641
Delta R.T. -0.11 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion:106 Resp: 119525
Ion Ratio Lower Upper
106 100
91 208.4 108.2 324.6

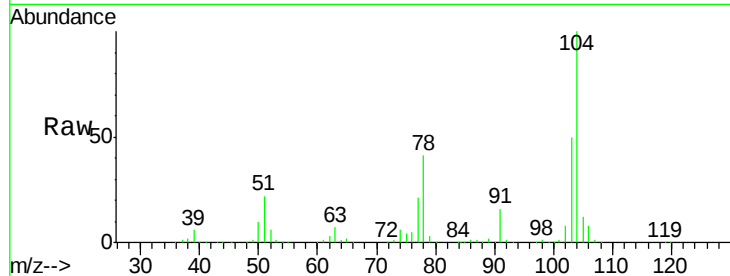




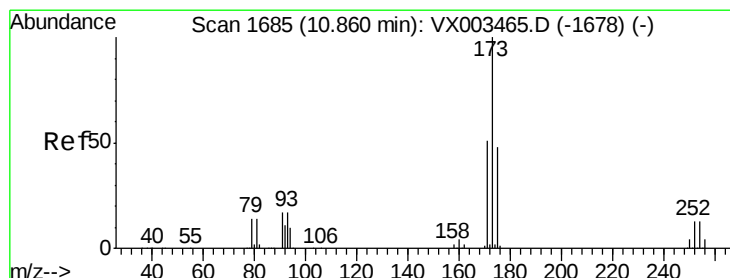
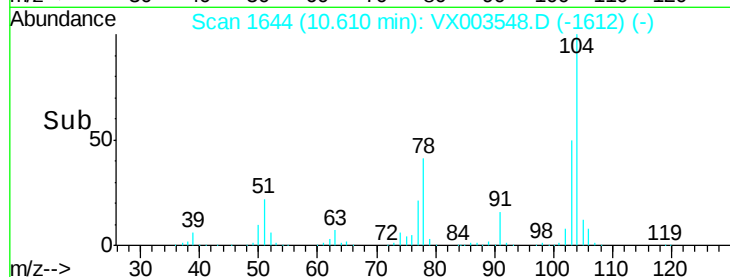
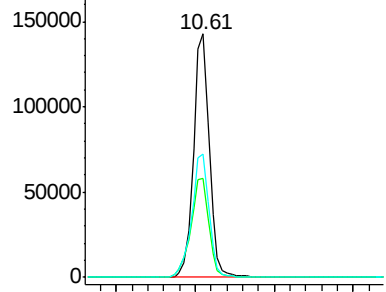
#70
Stvrene
Concen: 20.48 ug/l
RT: 10.61 min Scan# 1644
Delta R.T. -0.10 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS01

Tot Ion:104 Resp: 199015
Ion Ratio Lower Upper
104 100
78 46.8 41.0 61.6
103 56.0 44.2 66.4

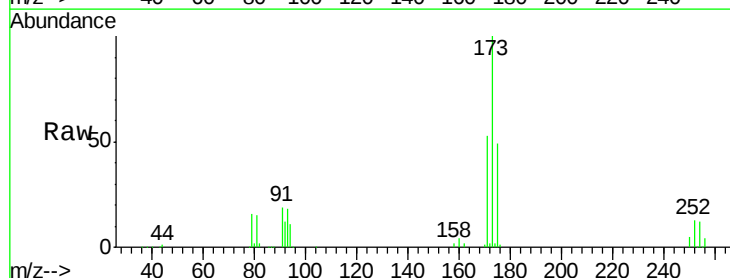


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

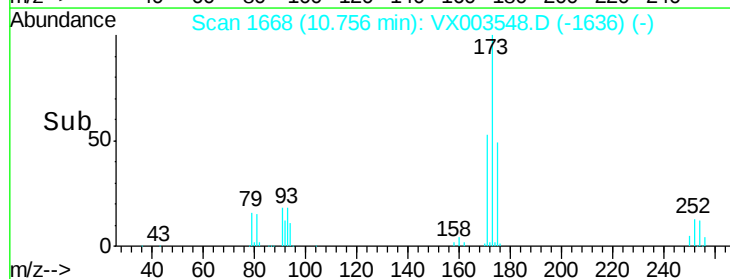
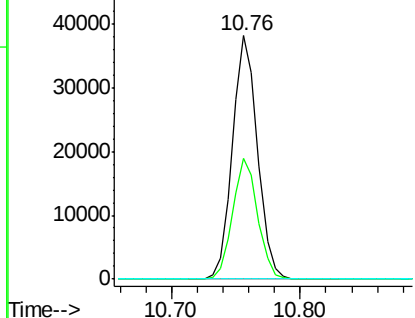


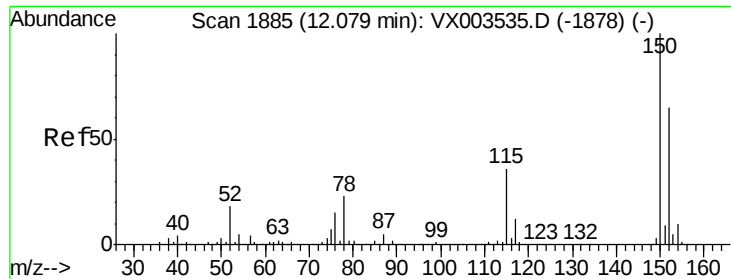
#71
Bromoform
Concen: 19.95 ug/l
RT: 10.76 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion:173 Resp: 51697
Ion Ratio Lower Upper
173 100
175 49.5 24.7 74.1
254 0.2 0.2 0.2



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



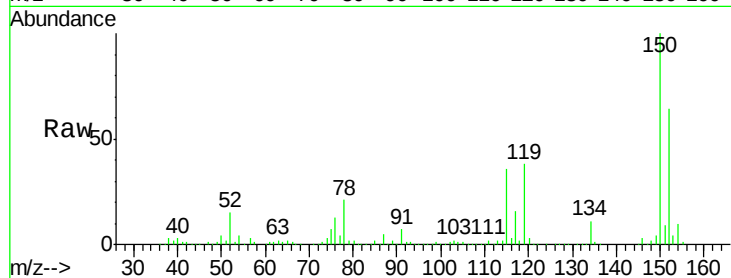


#72

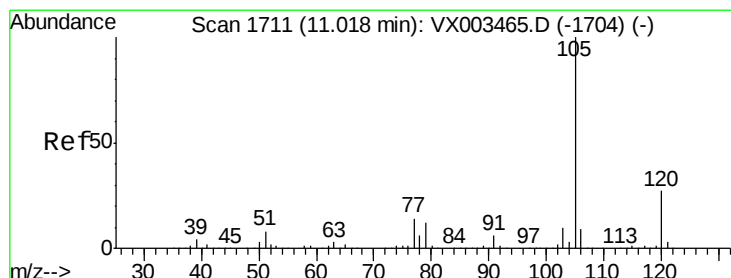
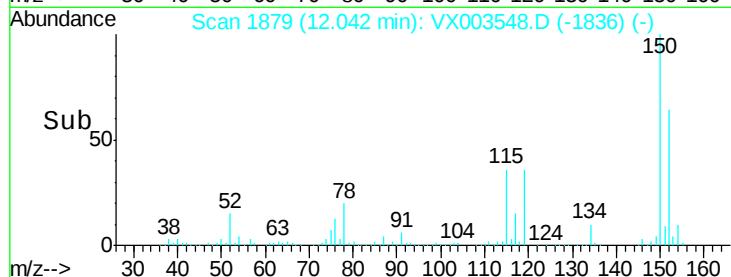
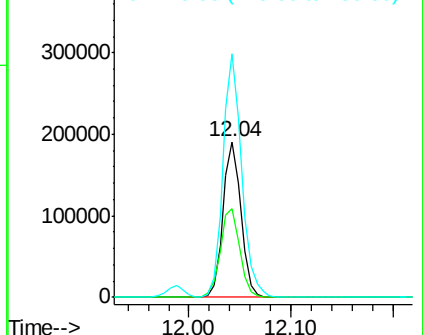
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.04 min Scan# 1879
Delta R.T. -0.04 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS01

Tot Ion:152 Resp: 234347
Ion Ratio Lower Upper
152 100
115 62.1 40.1 120.2
150 162.7 0.0 347.2



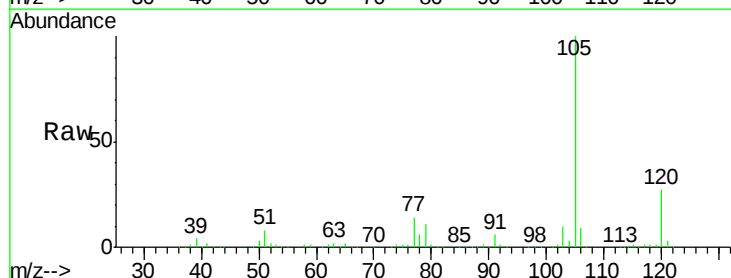
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



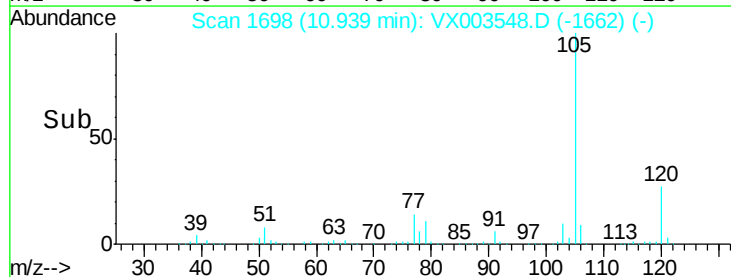
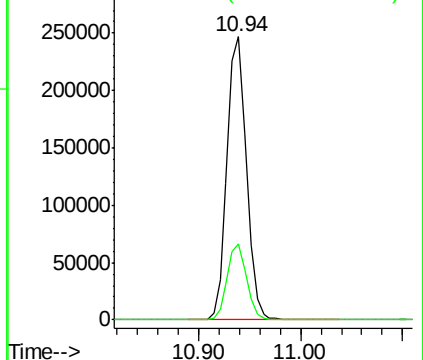
#73

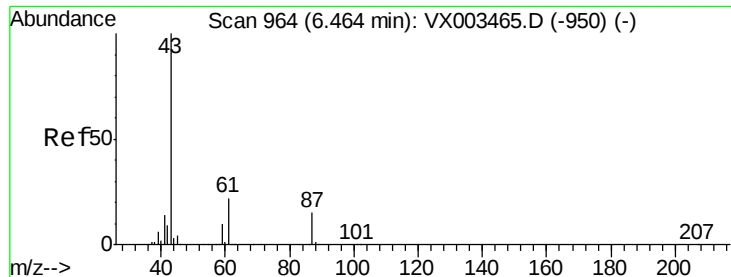
Isopropylbenzene
Concen: 20.08 ug/l
RT: 10.94 min Scan# 1698
Delta R.T. -0.08 min
Lab File: VX003548.D
Acq: 21 Jul 2018 12:10

Tgt Ion:105 Resp: 325504
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.84 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.02 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

Tot Ion: 43 Resp: 5753

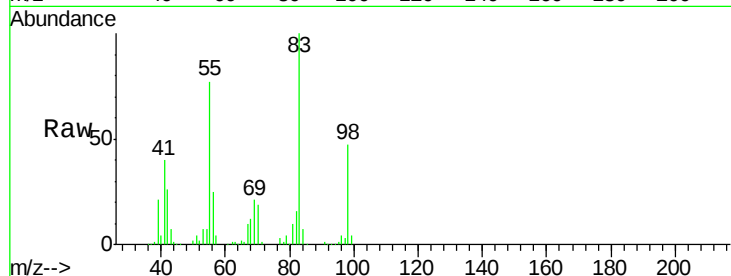
Ion Ratio Lower Upper

43 100

70 323.8 0.0 0.0#

55 1299.0 0.0 0.0#

61 0.0 14.4 21.6#

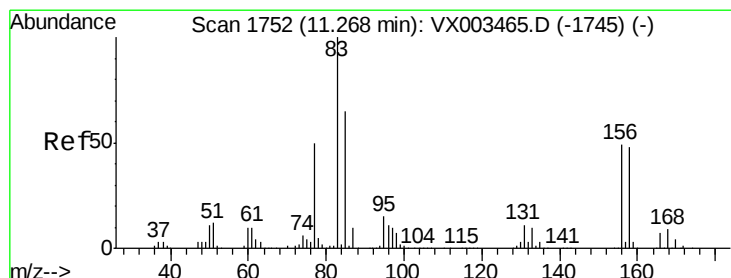
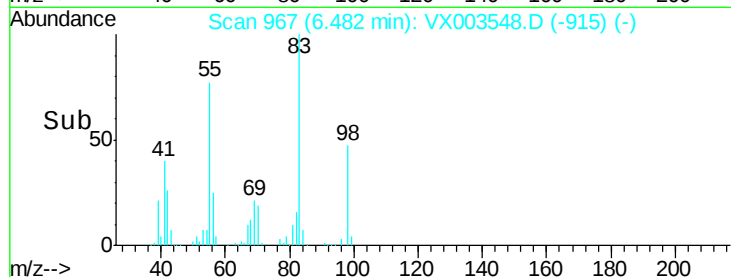
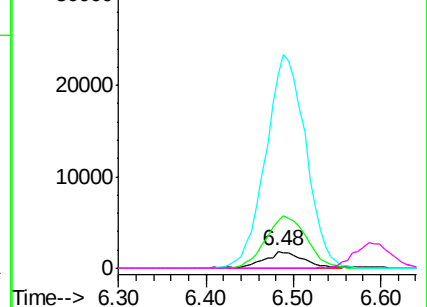


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 19.04 ug/l

RT: 11.21 min Scan# 1742

Delta R.T. -0.06 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

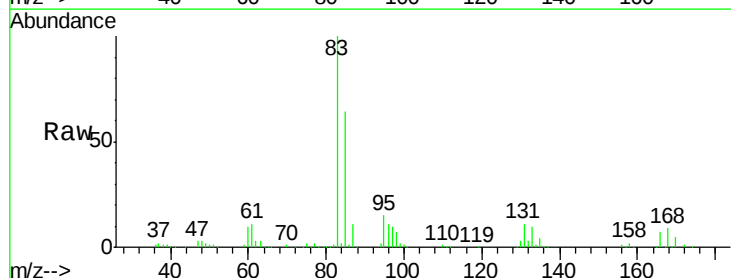
Tgt Ion: 83 Resp: 90425

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

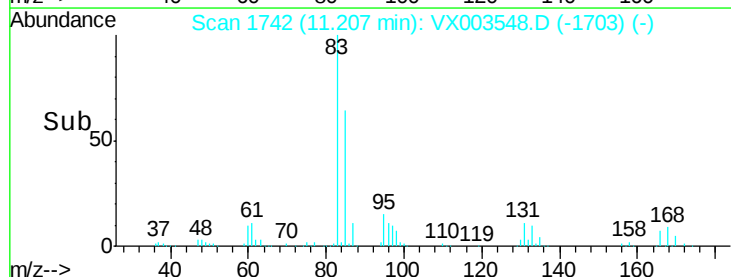
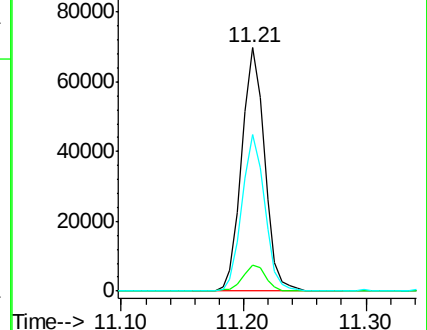
85 64.0 32.4 97.2

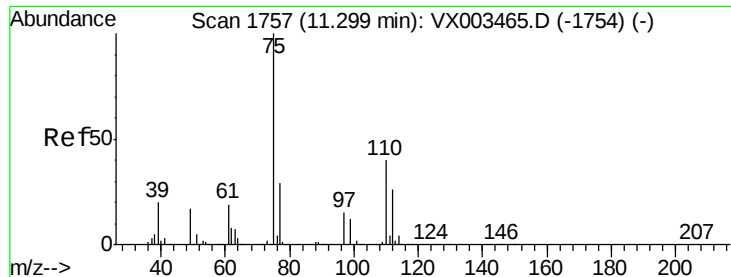


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

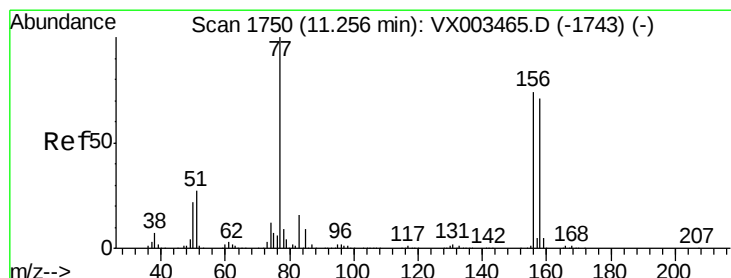
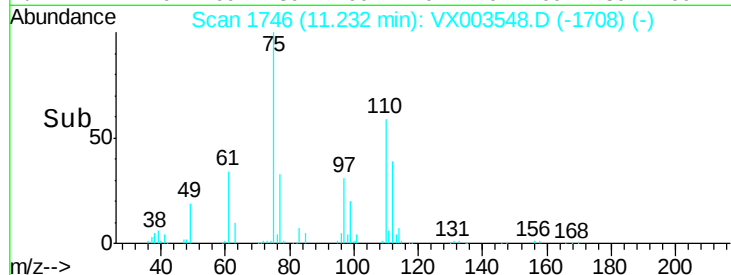
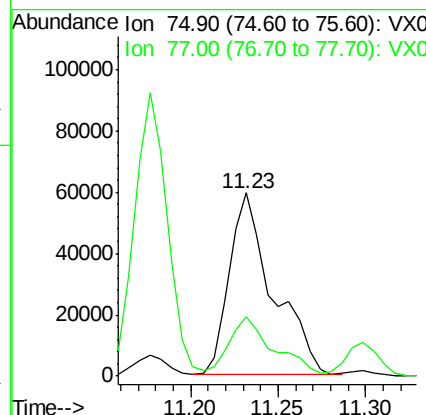
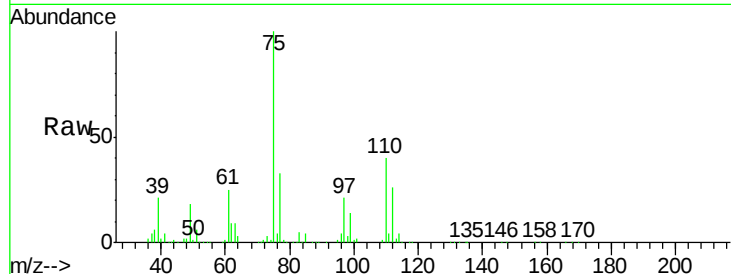




#76
 1,2,3-Trichloropropane
 Concen: 24.62 ug/l
 RT: 11.23 min Scan# 1746
 Delta R.T. -0.07 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

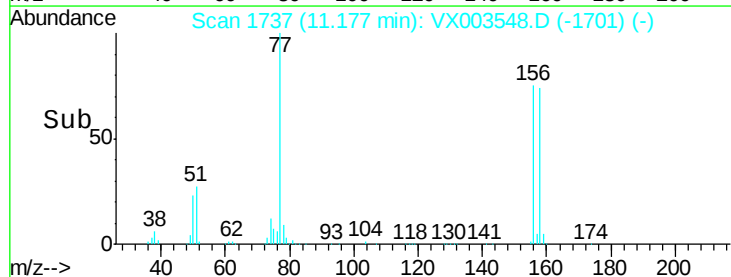
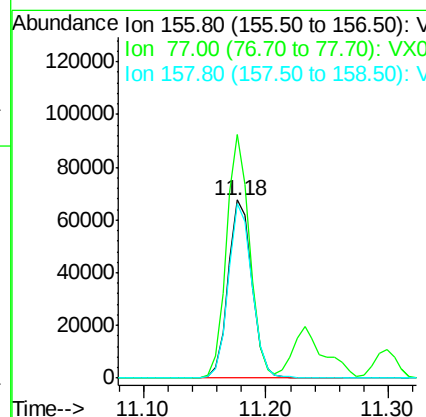
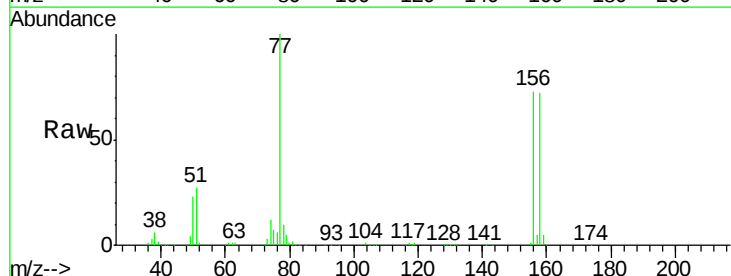
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

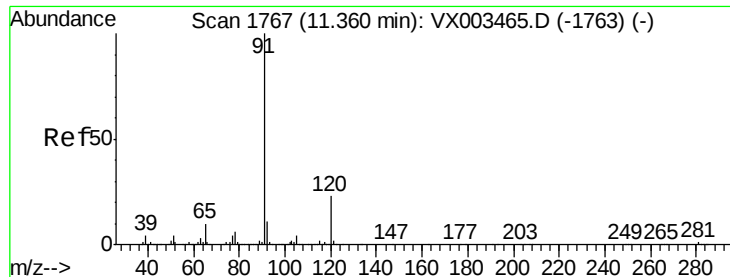
Tot Ion: 75 Resp: 103659
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.8 68.3



#77
 Bromobenzene
 Concen: 19.51 ug/l
 RT: 11.18 min Scan# 1737
 Delta R.T. -0.08 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Tgt Ion: 156 Resp: 90946
 Ion Ratio Lower Upper
 156 100
 77 133.4 71.4 214.2
 158 97.1 48.9 146.6





#78

n-propylbenzene

Concen: 19.92 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.06 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

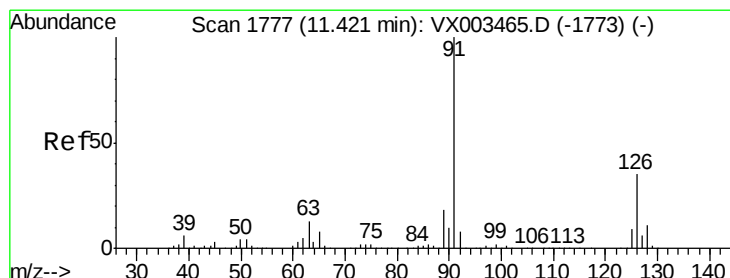
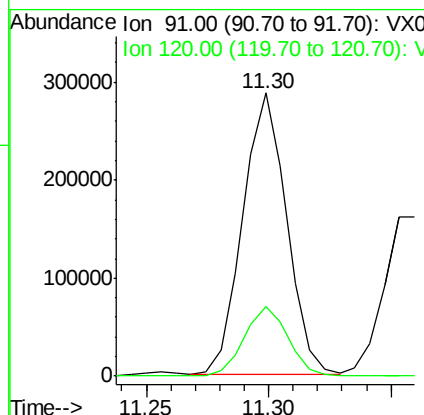
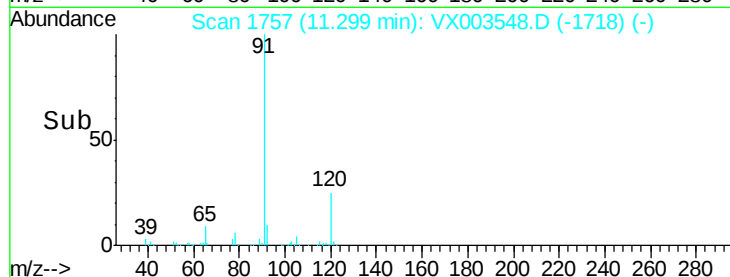
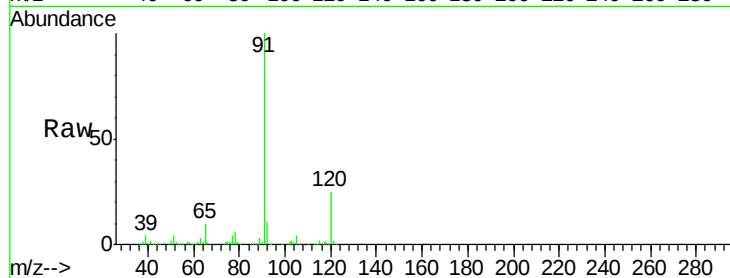
VX0721MBS01

Tot Ion: 91 Resp: 358897

Ion Ratio Lower Upper

91 100

120 24.9 11.8 35.4



#79

2-Chlorotoluene

Concen: 23.29 ug/l

RT: 11.45 min Scan# 1782

Delta R.T. 0.03 min

Lab File: VX003548.D

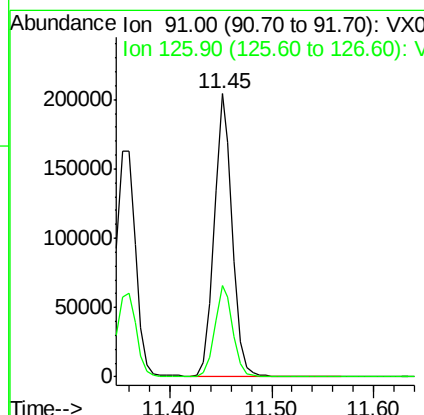
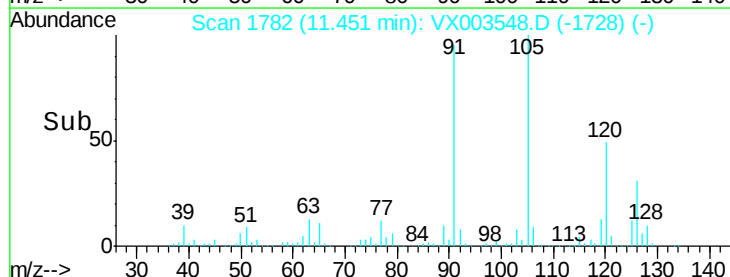
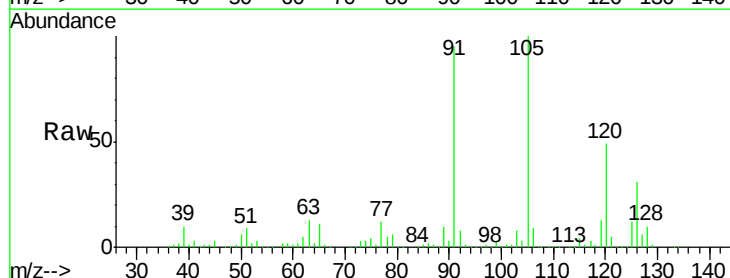
Acq: 21 Jul 2018 12:10

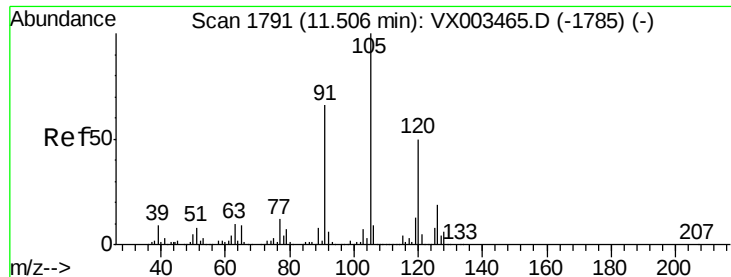
Tgt Ion: 91 Resp: 254738

Ion Ratio Lower Upper

91 100

126 32.2 17.7 53.1

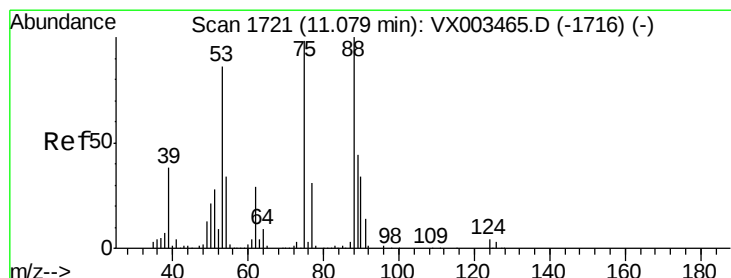
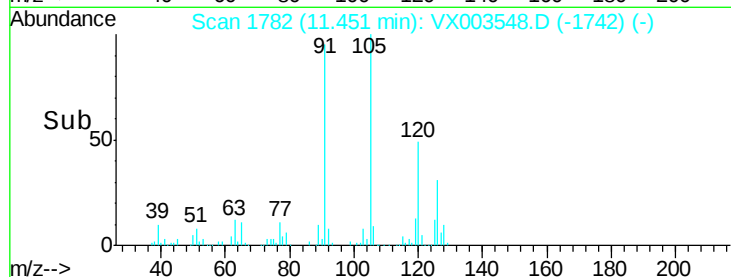
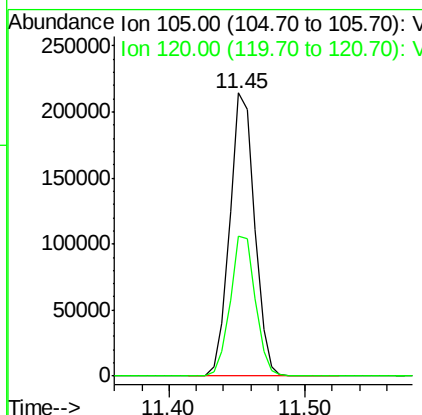
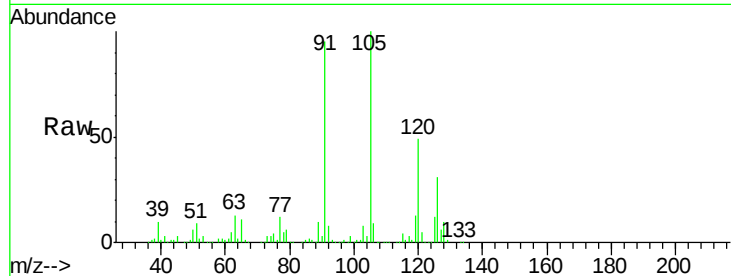




#80
 1,3,5-Trimethylbenzene
 Concen: 20.54 ug/l
 RT: 11.45 min Scan# 1782
 Delta R.T. -0.05 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

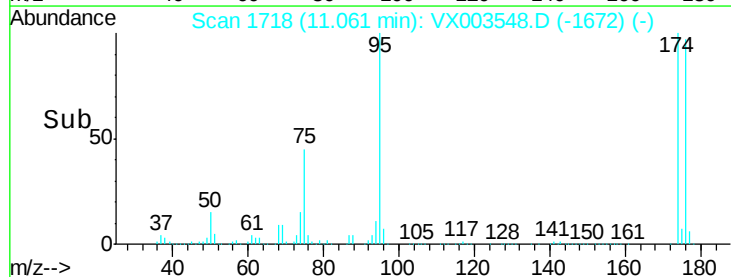
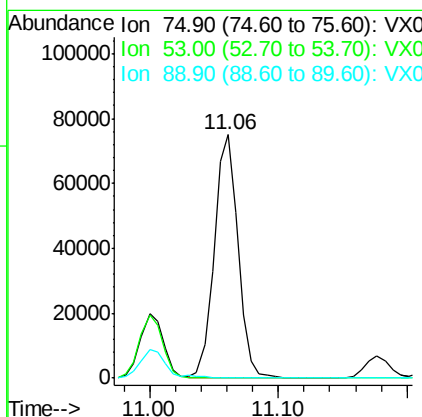
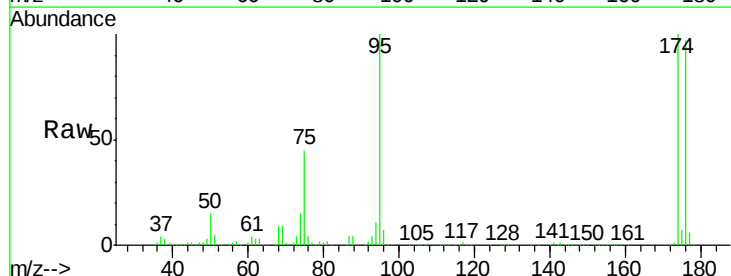
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

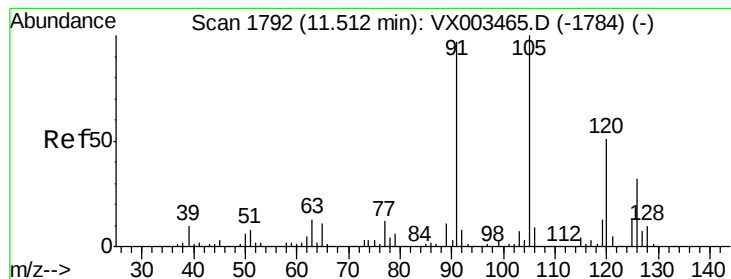
Tot Ion:105 Resp: 273537
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.89 ug/l
 RT: 11.06 min Scan# 1718
 Delta R.T. -0.02 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Tgt Ion: 75 Resp: 97280
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#





#82

4-Chlorotoluene

Concen: 19.88 ug/l

RT: 11.45 min Scan# 1782

Delta R.T. -0.06 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

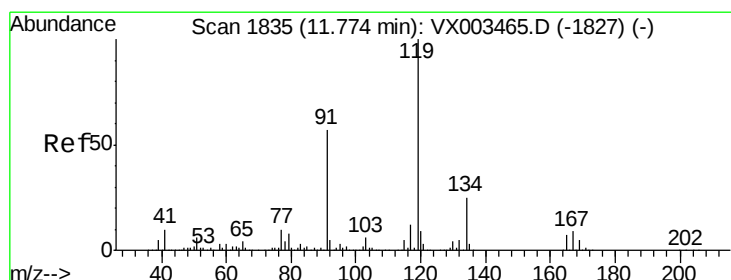
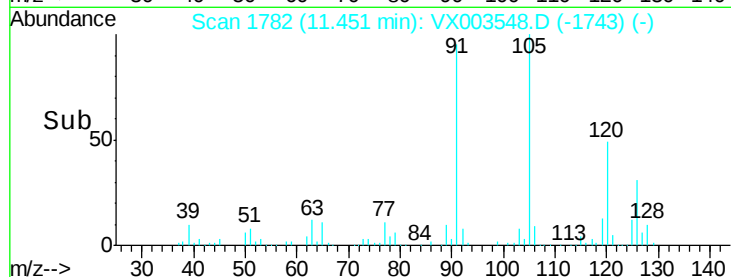
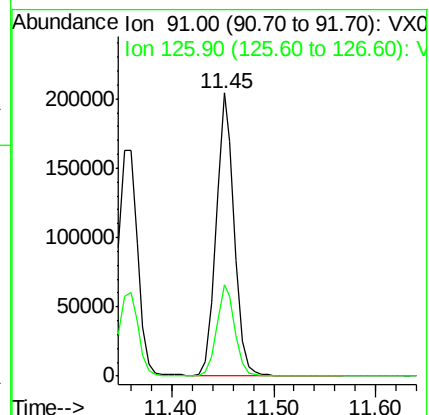
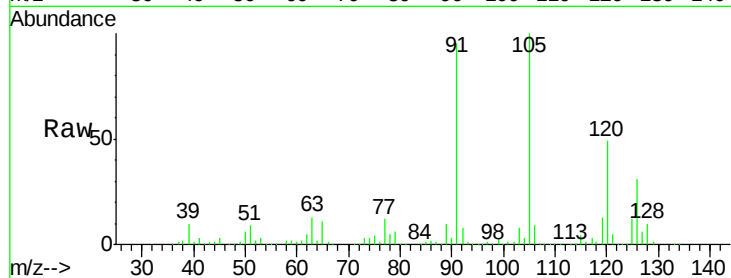
VX0721MBS01

Tot Ion: 91 Resp: 254738

Ion Ratio Lower Upper

91 100

126 32.2 15.4 46.4



#83

tert-Butylbenzene

Concen: 19.33 ug/l

RT: 11.73 min Scan# 1827

Delta R.T. -0.05 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

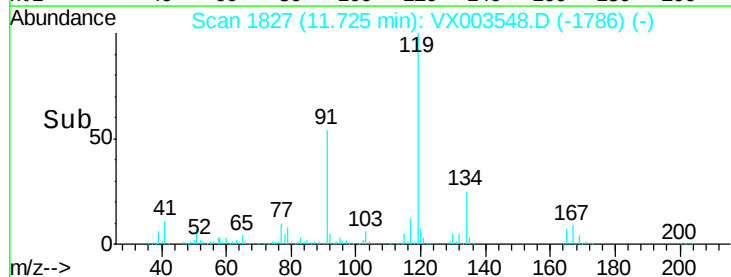
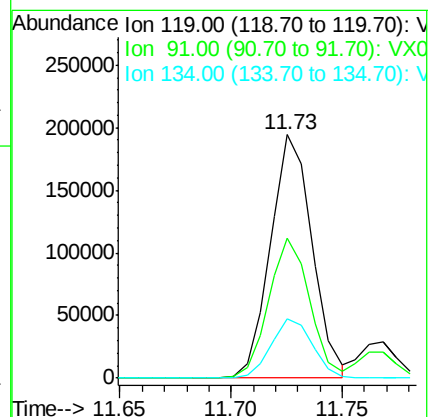
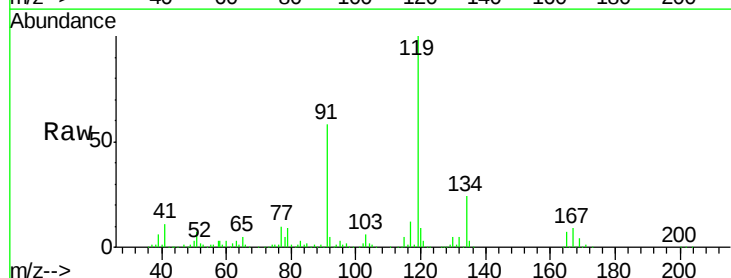
Tgt Ion: 119 Resp: 252150

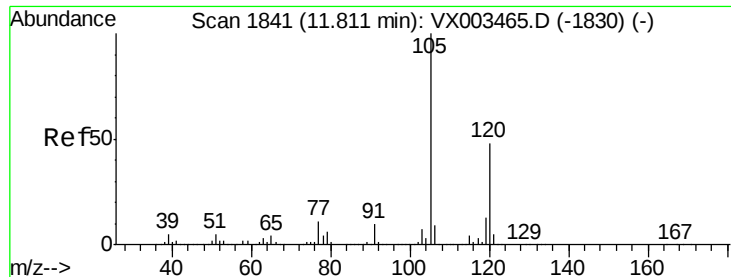
Ion Ratio Lower Upper

119 100

91 56.6 30.3 90.9

134 24.4 11.7 35.1

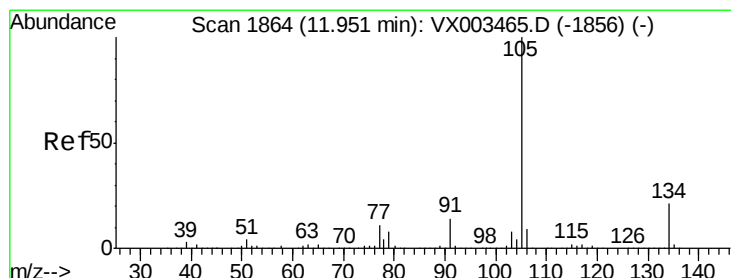
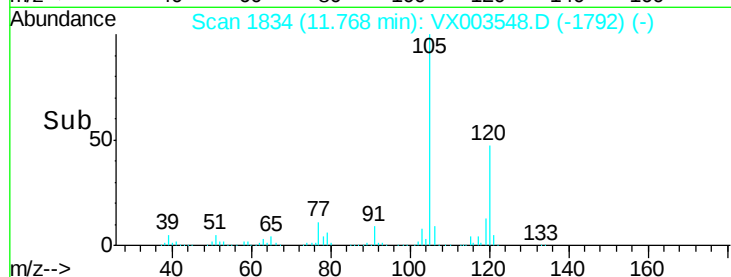
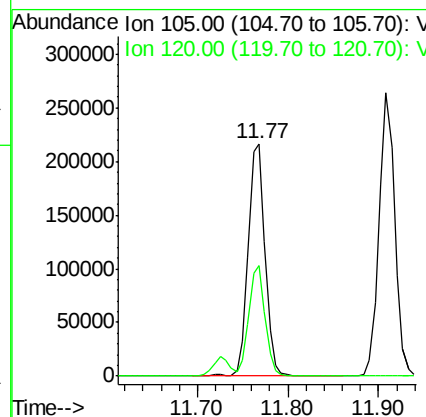
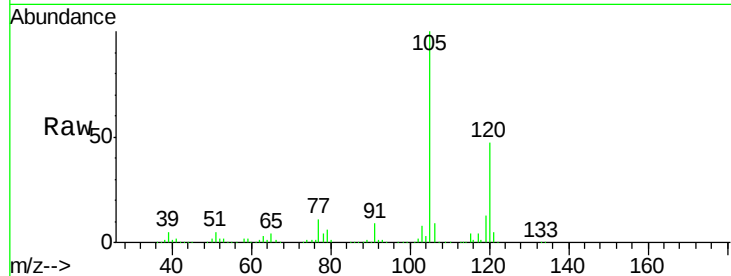




#84
 1,2,4-Trimethylbenzene
 Concen: 20.57 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.04 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

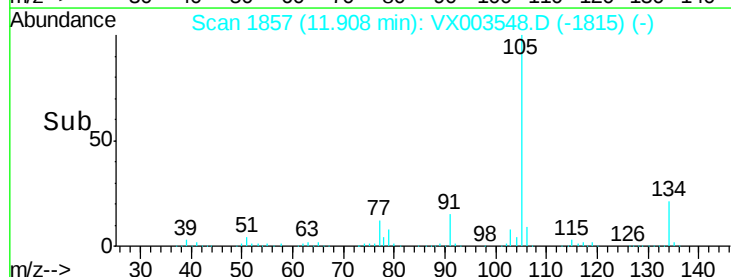
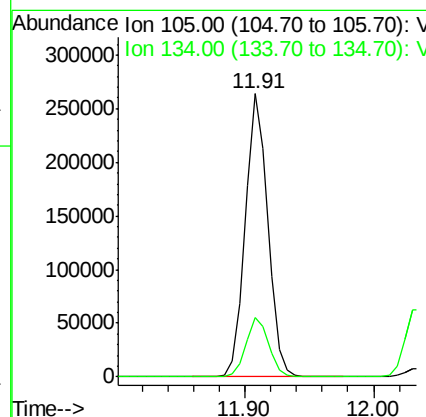
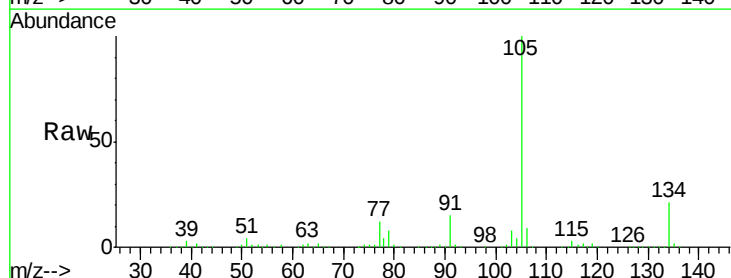
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

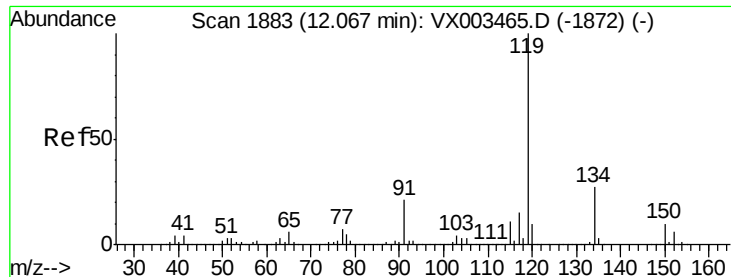
Tot Ion:105 Resp: 278829
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 20.10 ug/l
 RT: 11.91 min Scan# 1857
 Delta R.T. -0.04 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Tgt Ion:105 Resp: 318455
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.1

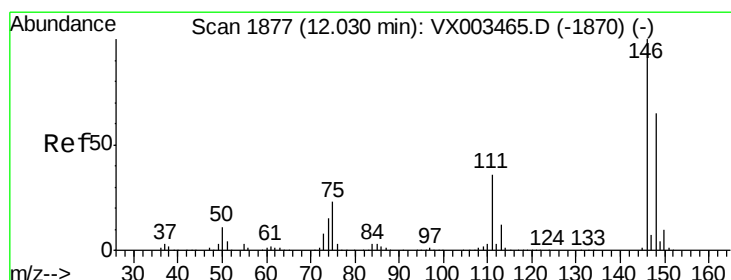
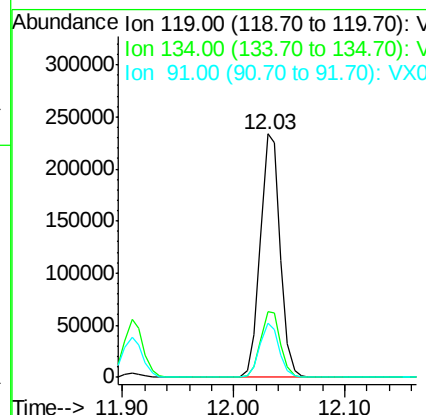
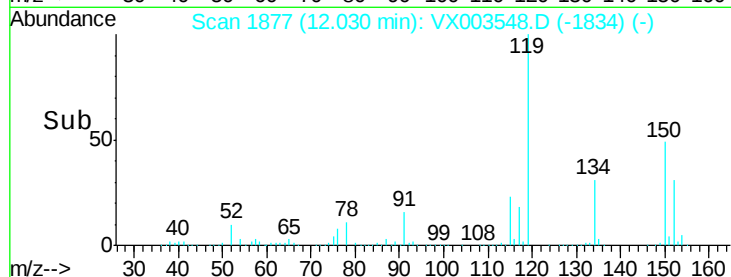
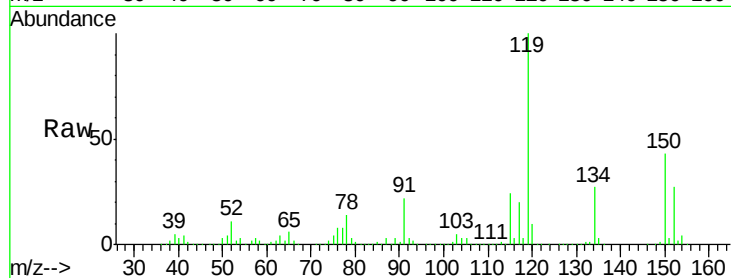




#86
 p-Isopropyltoluene
 Concen: 20.48 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.04 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

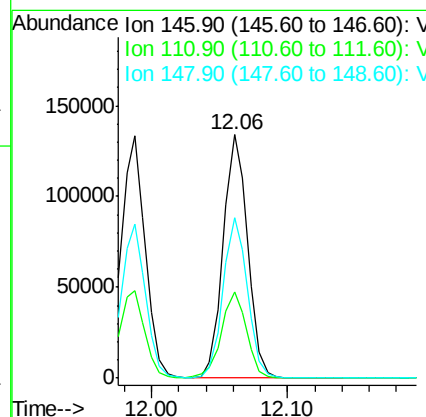
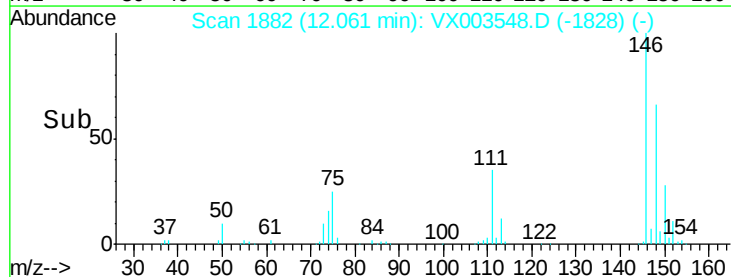
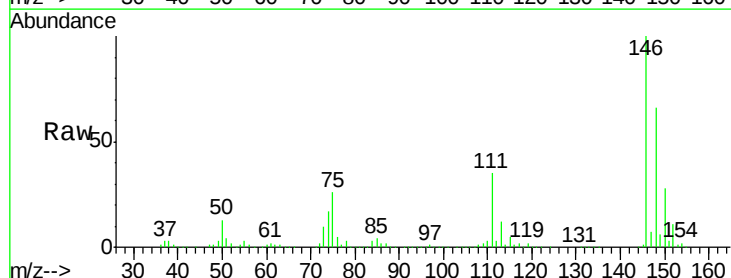
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

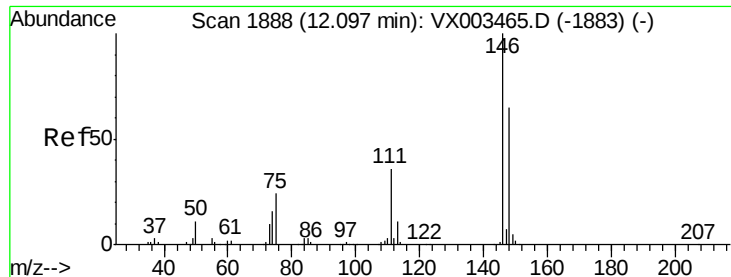
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	21.8	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 12.06 min Scan# 1882
 Delta R.T. 0.03 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	65.8	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 19.00 ug/l

RT: 12.06 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

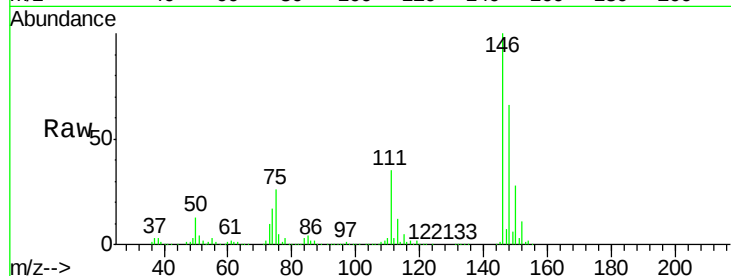
Tot Ion:146 Resp: 167674

Ion Ratio Lower Upper

146 100

111 36.5 18.7 56.1

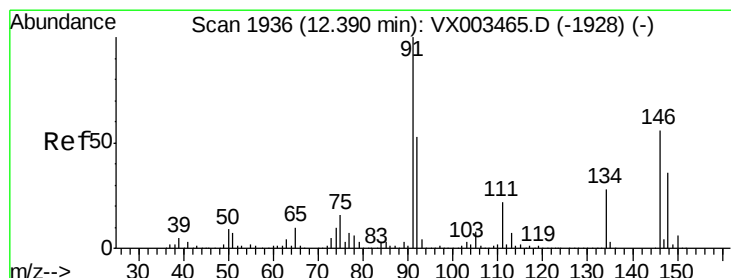
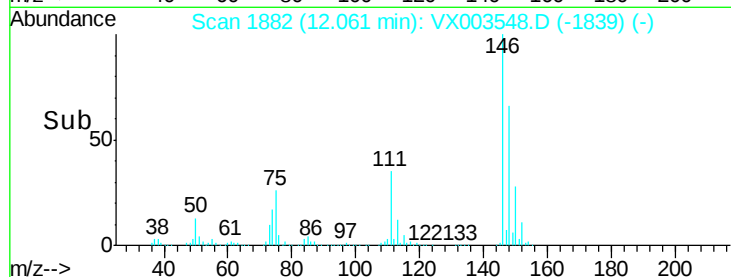
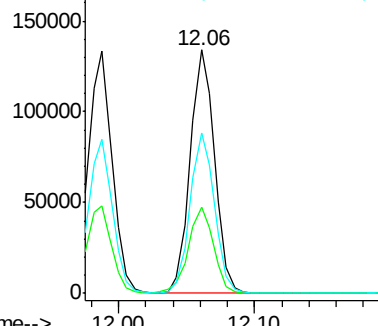
148 65.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 19.75 ug/l

RT: 12.37 min Scan# 1932

Delta R.T. -0.02 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

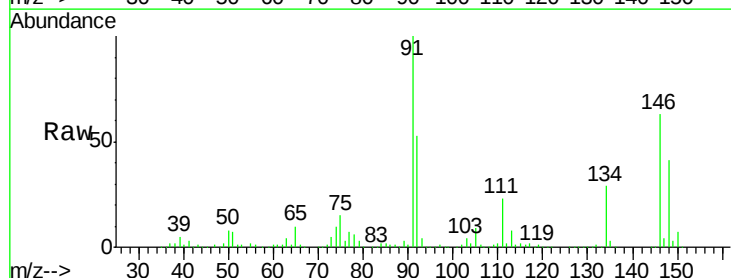
Tgt Ion: 91 Resp: 238458

Ion Ratio Lower Upper

91 100

92 52.2 26.0 78.0

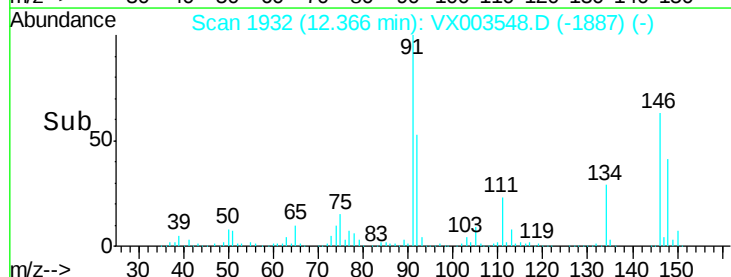
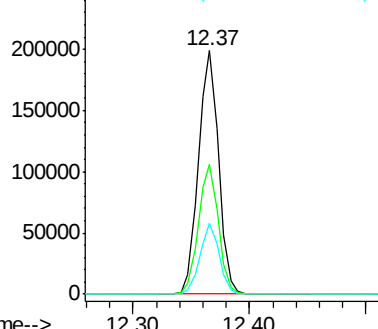
134 28.0 13.5 40.5

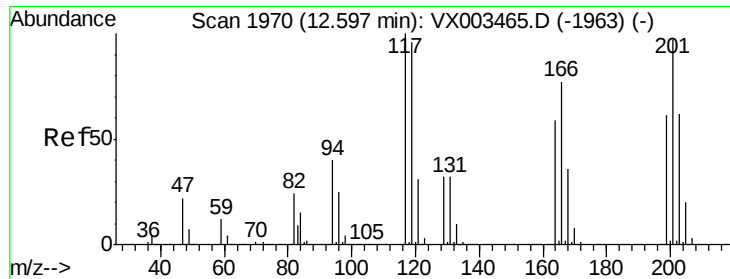


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 18.22 ug/l

RT: 12.57 min Scan# 1966

Delta R.T. -0.02 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

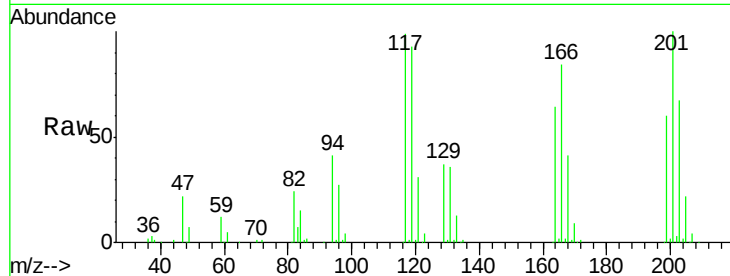
VX0721MBS01

Tot Ion:117 Resp: 36819

Ion Ratio Lower Upper

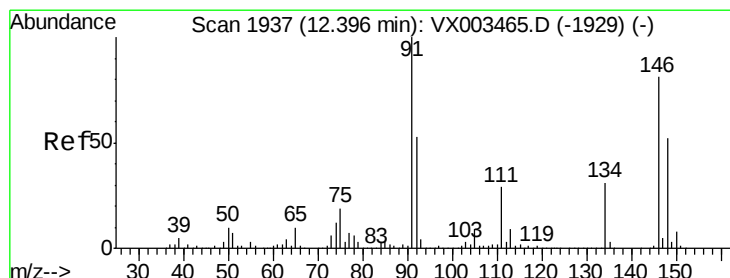
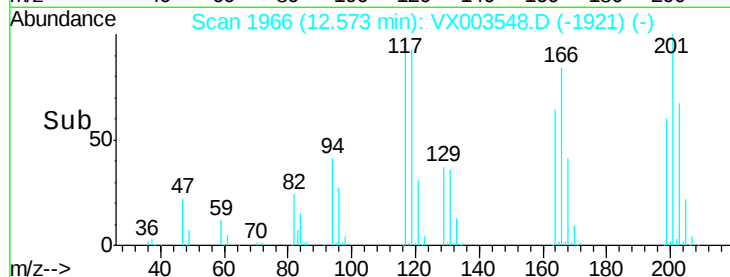
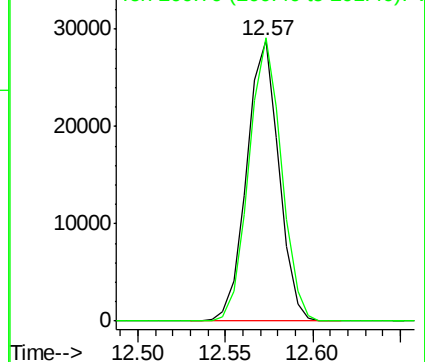
117 100

201 101.8 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 19.55 ug/l

RT: 12.37 min Scan# 1932

Delta R.T. -0.03 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

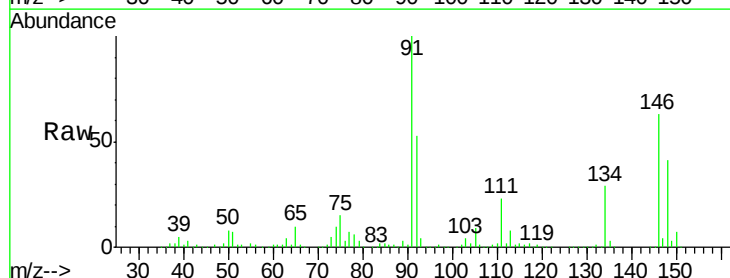
Tgt Ion:146 Resp: 165107

Ion Ratio Lower Upper

146 100

111 38.2 19.4 58.1

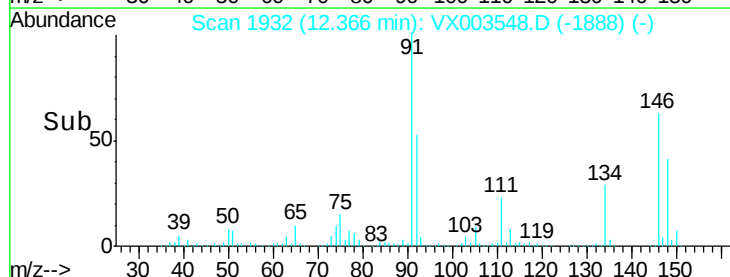
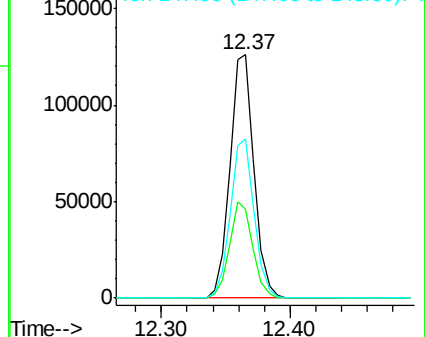
148 64.9 31.7 95.1

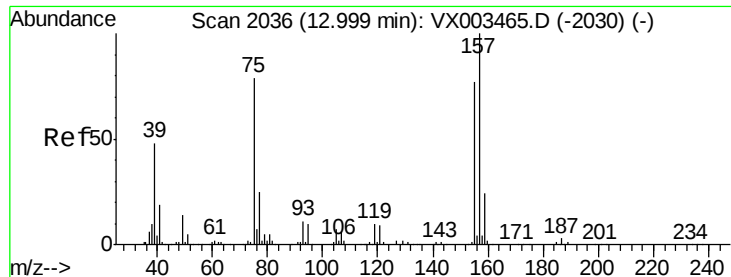


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 18.14 ug/l

RT: 12.99 min Scan# 2034

Delta R.T. -0.01 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

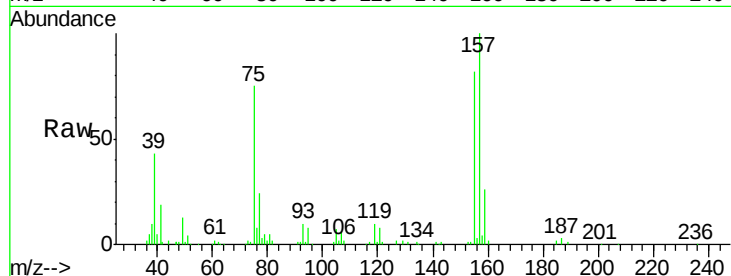
Tot Ion: 75 Resp: 16768

Ion Ratio Lower Upper

75 100

155 105.4 45.8 137.4

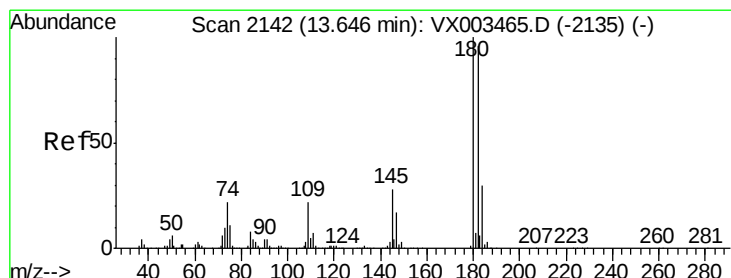
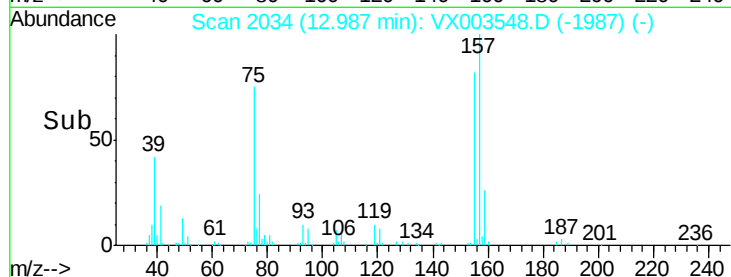
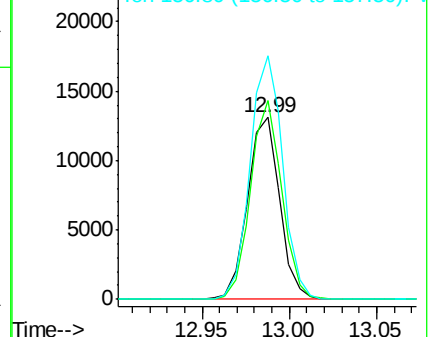
157 134.6 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 19.59 ug/l

RT: 13.64 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

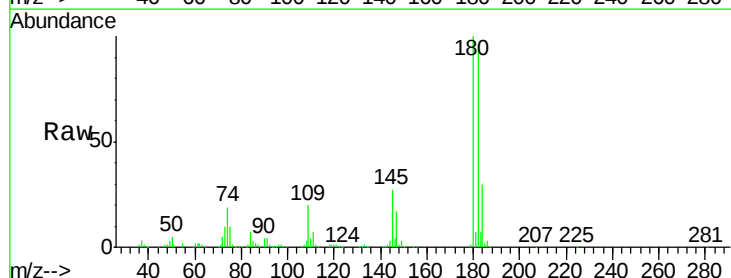
Tgt Ion:180 Resp: 121229

Ion Ratio Lower Upper

180 100

182 95.1 47.7 143.1

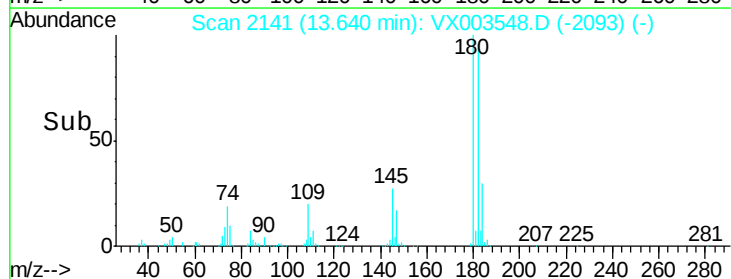
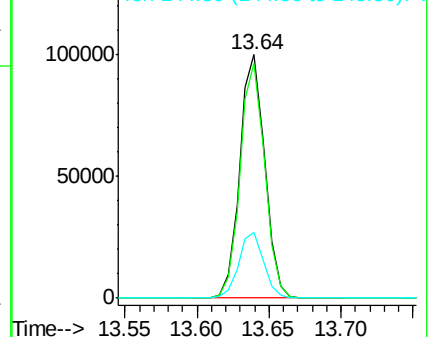
145 27.0 14.1 42.4

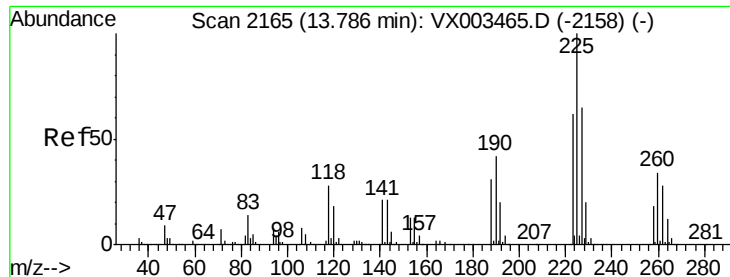


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 19.50 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS01

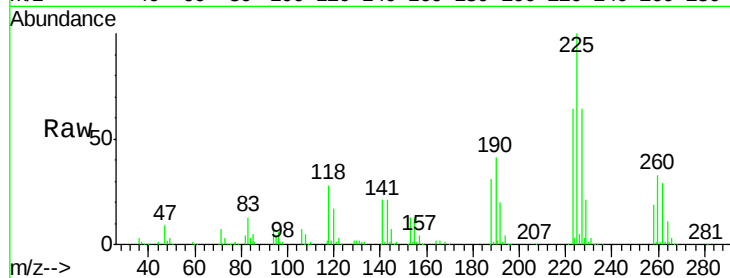
Tot Ion:225 Resp: 58059

Ion Ratio Lower Upper

225 100

223 62.6 31.6 95.0

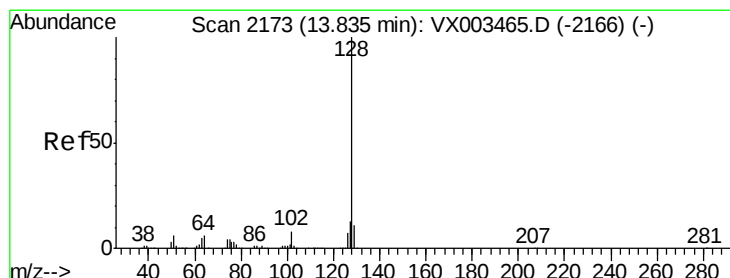
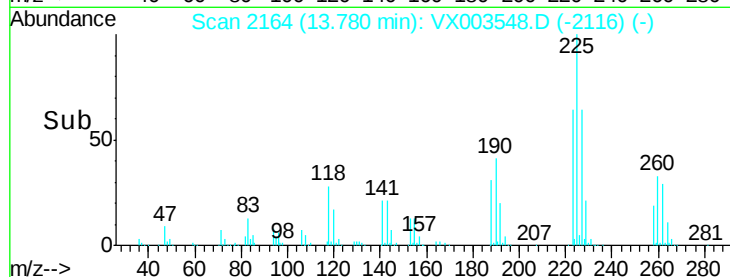
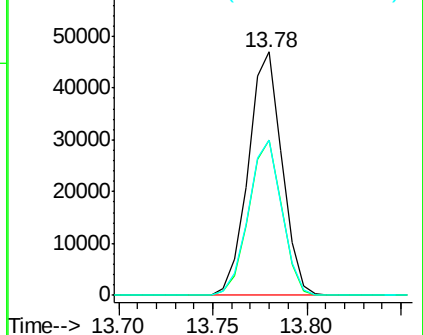
227 63.4 32.4 97.2



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: 19.67 ug/l

RT: 13.83 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VX003548.D

Acq: 21 Jul 2018 12:10

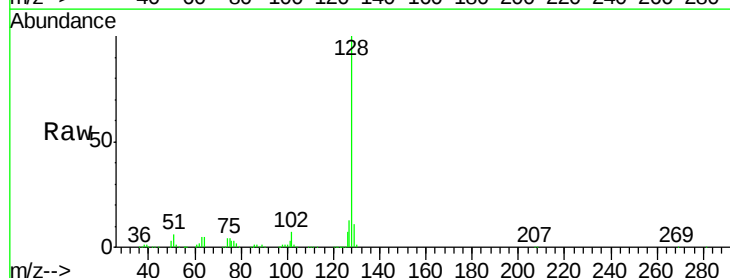
Tgt Ion:128 Resp: 319875

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

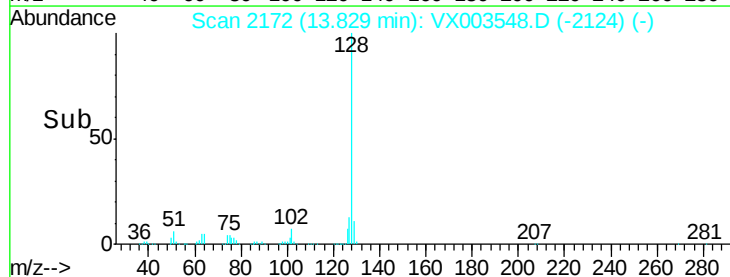
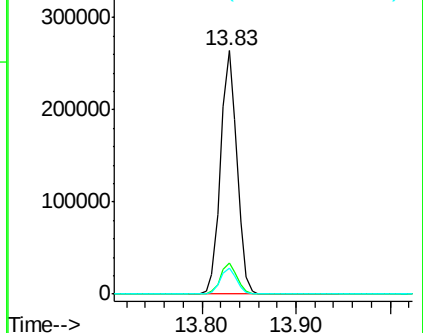
129 10.8 8.6 13.0

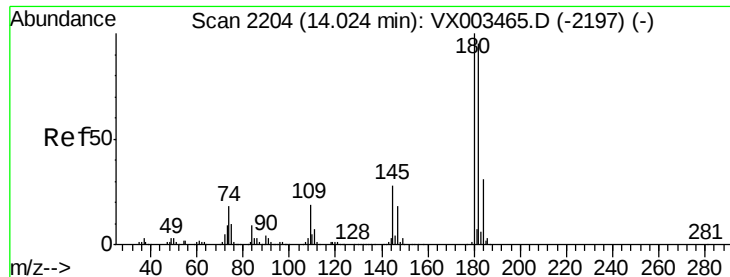


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 19.52 ug/l
 RT: 14.02 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: VX003548.D
 Acq: 21 Jul 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.0
145	30.0	14.8	44.3

