

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021419\
 Data File : VX007523.D
 Acq On : 13 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1460-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20190207

Quant Time: Feb 14 02:37:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	524865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	817802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	763877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	380501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	280870	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	5.50	113	259511	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.71	98	973204	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	355791	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	275	0.220	ug/l #	15
5) Bromomethane	1.66	94	1240	Below Cal	#	26
6) Chloroethane	1.60	64	17121	4.563	ug/l #	50
11) Tert butyl alcohol	3.06	59	238073	206.495	ug/l	99
13) Acrolein	2.26	56	1613	2.984	ug/l #	1
14) Allyl chloride	2.85	41	17403	2.131	ug/l #	69
15) Acrylonitrile	3.17	53	4862	1.705	ug/l #	34
16) Acetone	2.45	43	15469	6.062	ug/l	93
17) Carbon Disulfide	2.57	76	9549	2.819	ug/l	96
18) Methyl Acetate	2.85	43	42050	6.842	ug/l #	52
19) Methyl tert-butyl Ether	3.20	73	106817	6.579	ug/l #	79
22) Diisopropyl ether	3.87	45	9775	0.651	ug/l #	82
25) 2-Butanone	4.70	43	10043	2.765	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	1191	0.204	ug/l	90
31) Cyclohexane	5.59	56	50979	6.581	ug/l #	91
36) 1,1-Dichloropropene	5.67	75	32221	4.391	ug/l #	48
38) Carbon Tetrachloride	5.67	117	47031	6.607	ug/l #	17
39) Methylcyclohexane	7.46	83	64108	7.221	ug/l	94
40) Benzene	6.14	78	70603	3.266	ug/l	96
43) Isopropyl Acetate	6.45	43	3815	0.333	ug/l #	49
47) Bromodichloromethane	7.85	83	1577	0.236	ug/l #	90
48) Methyl methacrylate	7.73	41	7329	1.280	ug/l #	45
49) 1,4-Dioxane	7.74	88	245	8.747	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	2331	0.309	ug/l	99
52) Toluene	8.79	92	7188	0.515	ug/l	84
55) 1,1,2-Trichloroethane	9.16	97	15874	2.731	ug/l #	19
56) Ethyl methacrylate	9.16	69	4445	0.552	ug/l #	33
59) 2-Hexanone	9.51	43	2101	0.358	ug/l	87
60) Dibromochloromethane	9.34	129	5342	0.972	ug/l #	16
64) Tetrachloroethene	9.34	164	5457	0.758	ug/l #	91
65) Chlorobenzene	10.14	112	5640	0.338	ug/l	93
67) Ethyl Benzene	10.25	91	9815	0.366	ug/l	100
68) m/p-Xylenes	10.36	106	18789	1.761	ug/l	96
69) o-Xylene	10.70	106	4837	0.471	ug/l	88

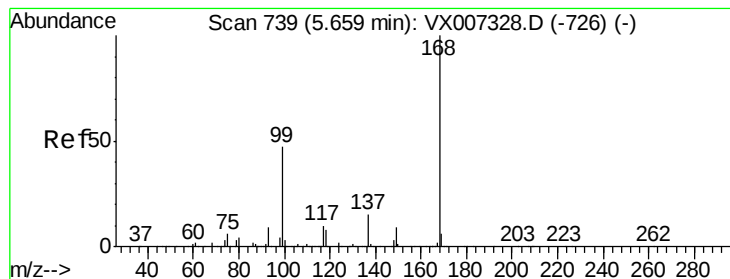
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021419\
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 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	11.02	105	131973	5.104	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	170227	23.000	ug/l #	32
78) n-propylbenzene	11.36	91	230743	8.138	ug/l	100
79) 2-Chlorotoluene	11.36	91	230743	13.412	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	5968	0.282	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.13	75	170227	69.307	ug/l #	9
82) 4-Chlorotoluene	11.36	91	230743	11.591	ug/l #	43
83) tert-Butylbenzene	11.77	119	14984	0.715	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	17594	0.819	ug/l	95
85) sec-Butylbenzene	11.94	105	151724	5.985	ug/l	98
86) p-Isopropyltoluene	12.23	119	36530	1.596	ug/l	96
89) n-Butylbenzene	12.38	91	192328	9.771	ug/l #	66
90) Hexachloroethane	12.67	117	204464	59.704	ug/l #	5
91) 1,2-Dichlorobenzene	12.39	146	3496	0.269	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	12.97	75	10417	6.358	ug/l #	1
95) Naphthalene	13.83	128	89247	3.478	ug/l #	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

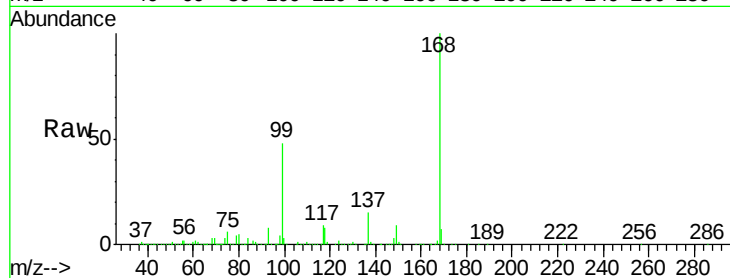
MW-1-20190207

Tot Ion:168 Resp: 524865

Ion Ratio Lower Upper

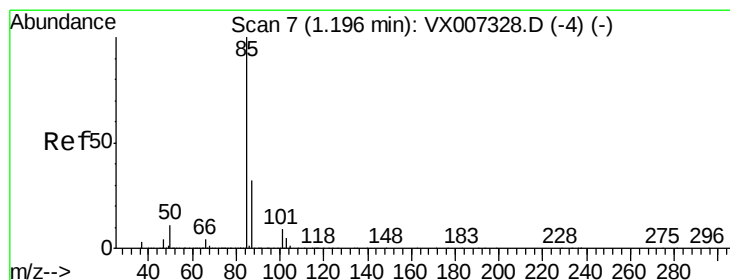
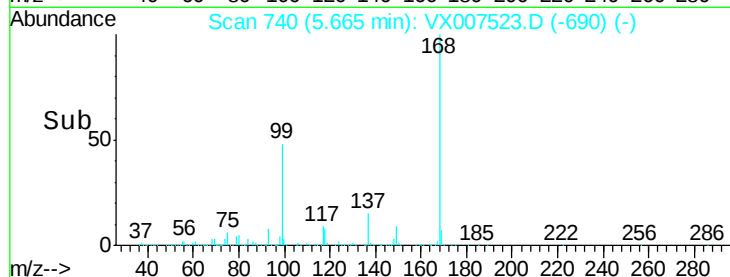
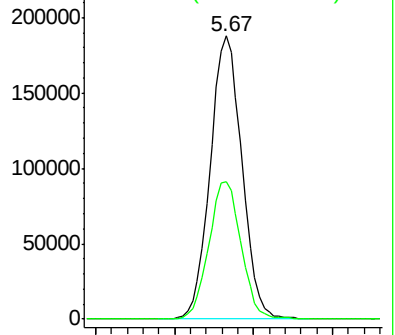
168 100

99 48.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.220 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007523.D

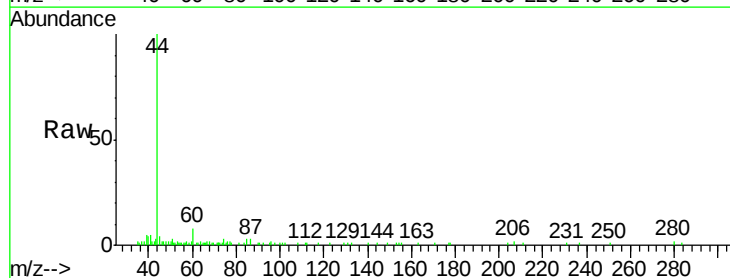
Acq: 13 Feb 2019 16:30

Tgt Ion: 85 Resp: 275

Ion Ratio Lower Upper

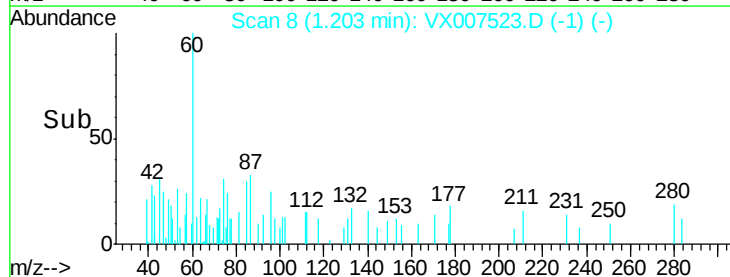
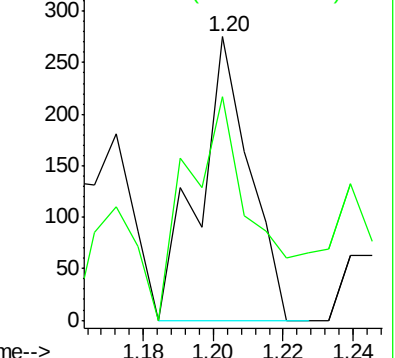
85 100

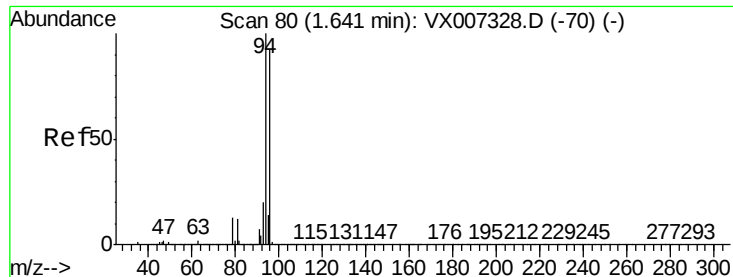
87 78.9 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

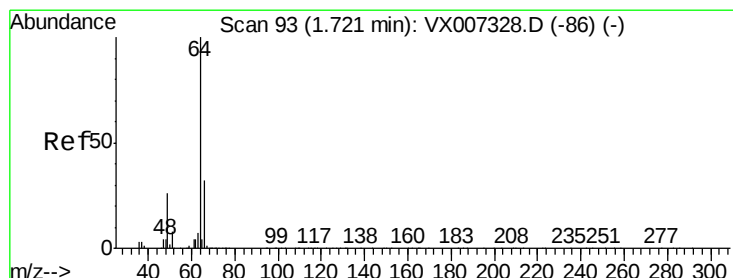
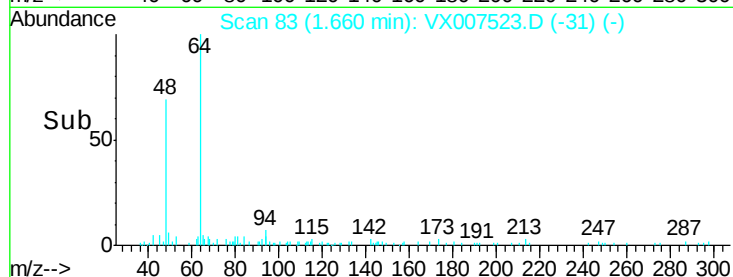
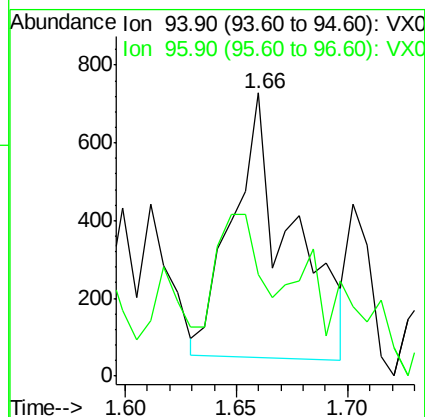
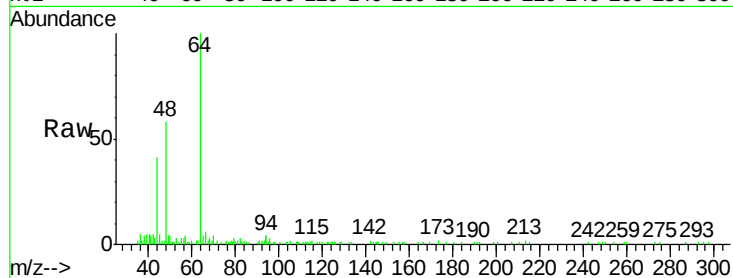
MW-1-20190207

Tot Ion: 94 Resp: 1240

Ion Ratio Lower Upper

94 100

96 21.4 73.9 110.9#



#6

Chloroethane

Concen: 4.563 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX007523.D

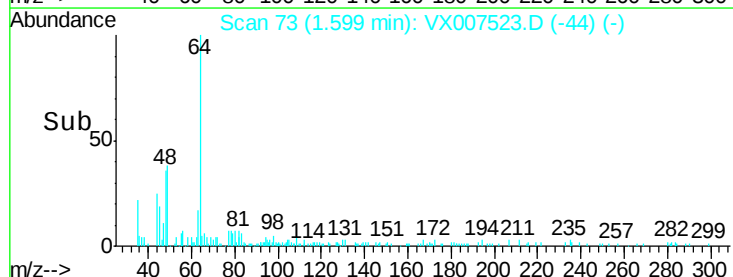
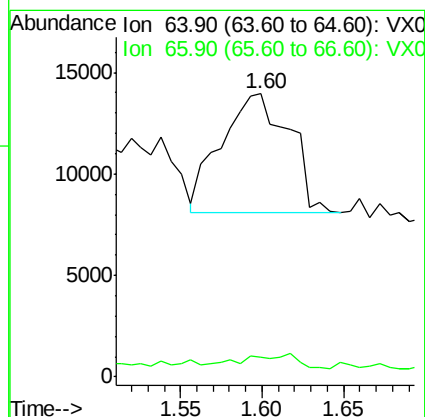
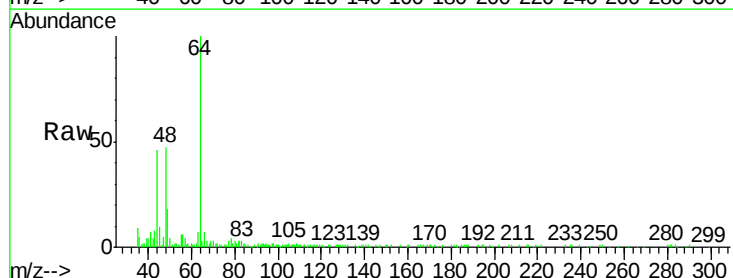
Acq: 13 Feb 2019 16:30

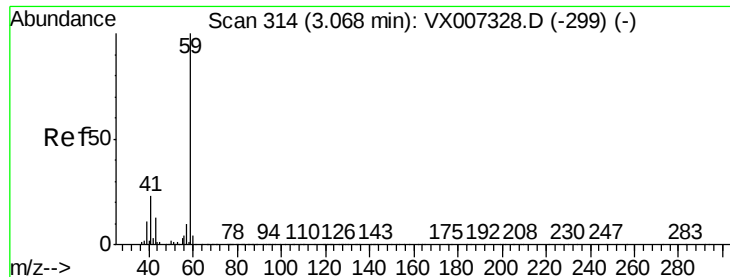
Tgt Ion: 64 Resp: 17121

Ion Ratio Lower Upper

64 100

66 4.1 25.5 38.3#



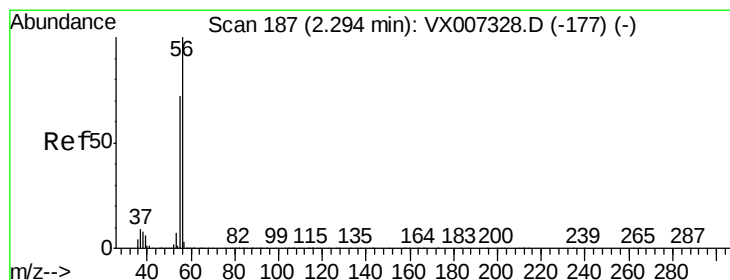
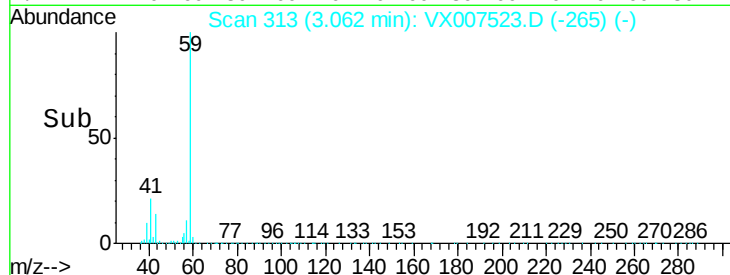
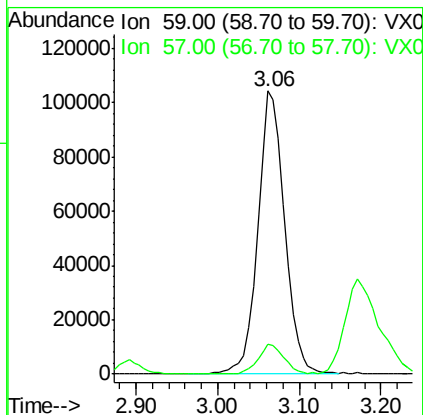
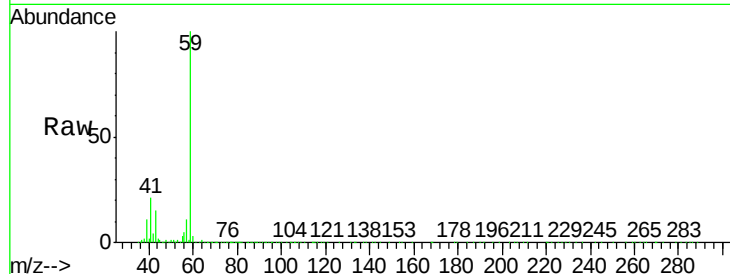


#11

Tert butyl alcohol
Concen: 206.495 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

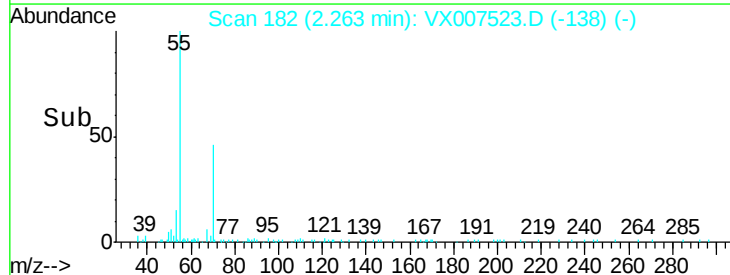
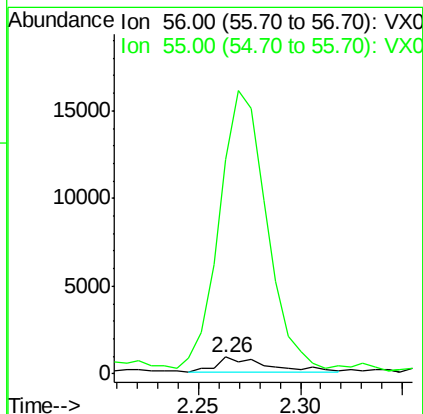
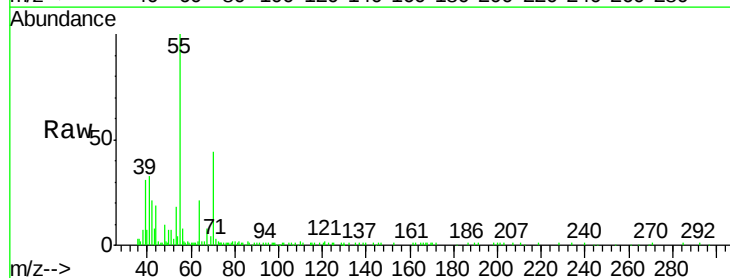
Tot Ion: 59 Resp: 238073
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1

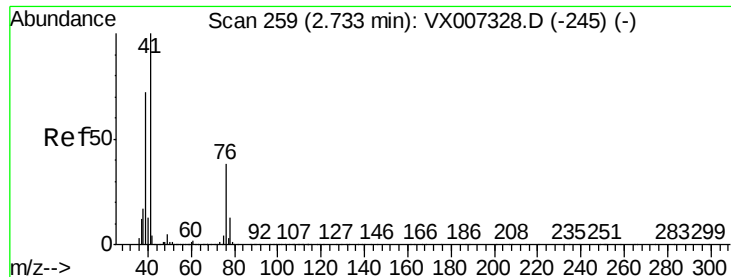


#13

Acrolein
Concen: 2.984 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 56 Resp: 1613
Ion Ratio Lower Upper
56 100
55 1570.7 56.9 85.3#





#14

Allvl chloride

Concen: 2.131 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20190207

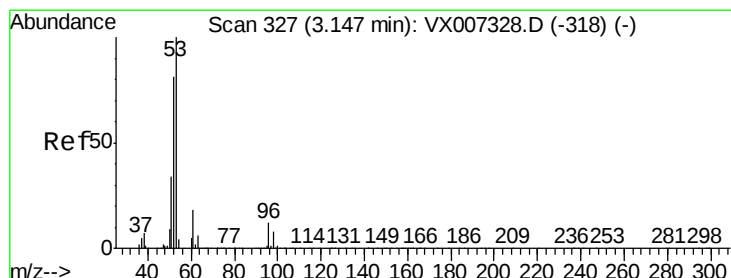
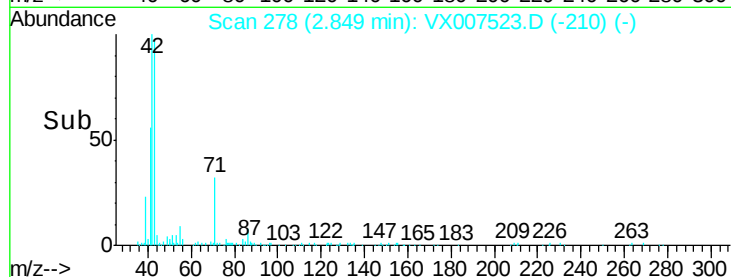
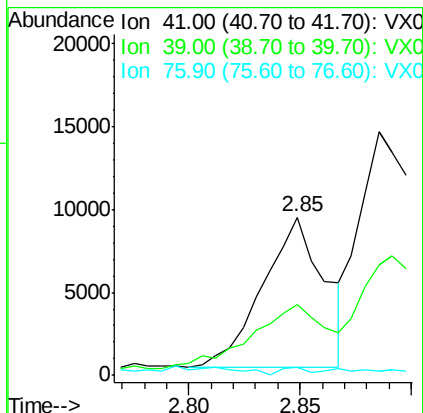
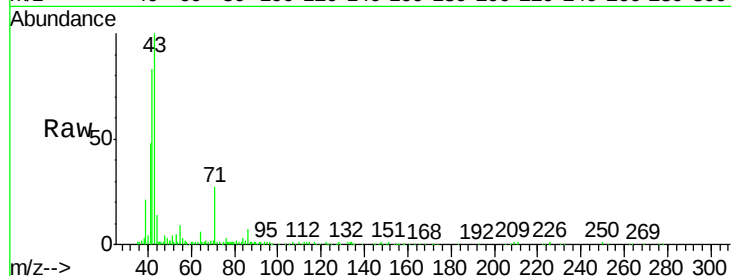
Tot Ion: 41 Resp: 17403

Ion Ratio Lower Upper

41 100

39 53.0 54.1 81.1#

76 2.8 27.8 41.8#



#15

Acrylonitrile

Concen: 1.705 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

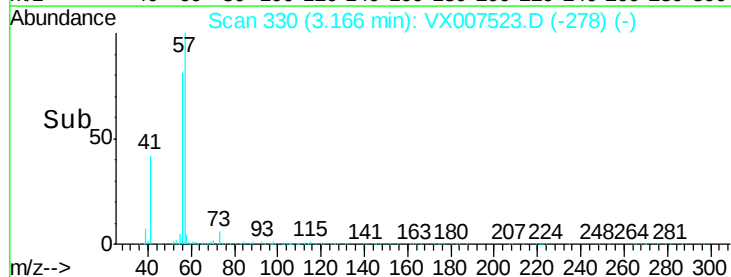
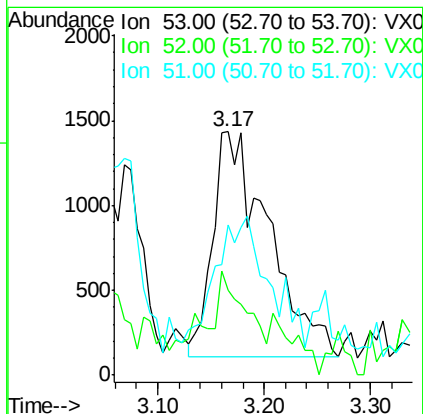
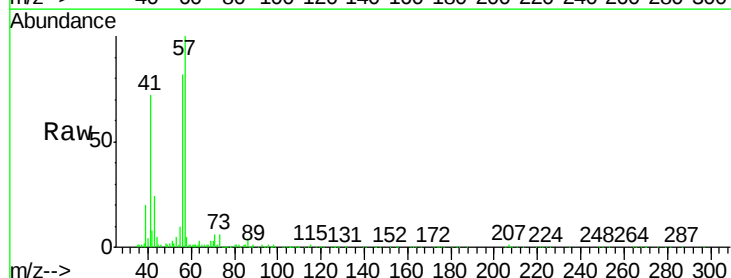
Tgt Ion: 53 Resp: 4862

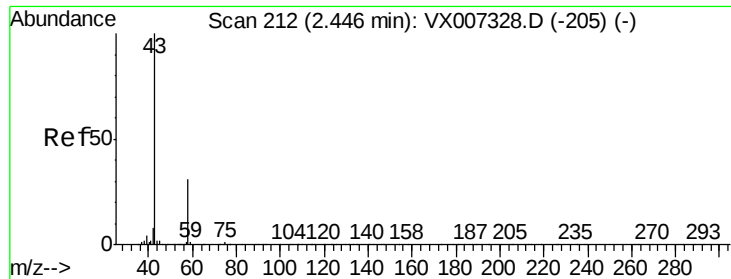
Ion Ratio Lower Upper

53 100

52 20.9 66.4 99.6#

51 0.0 28.4 42.6#





#16

Acetone

Concen: 6.062 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

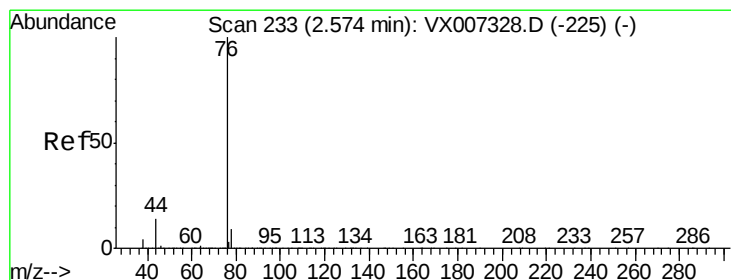
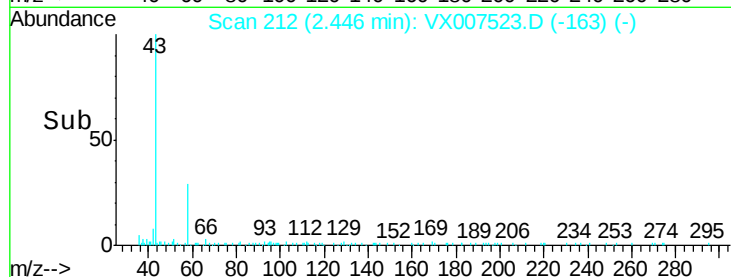
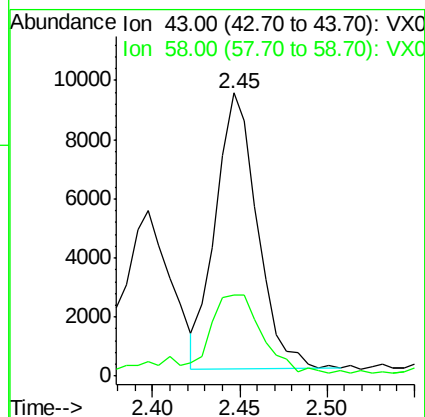
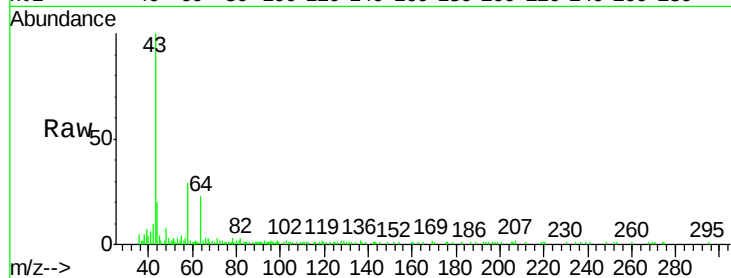
MW-1-20190207

Tot Ion: 43 Resp: 15469

Ion Ratio Lower Upper

43 100

58 27.2 24.9 37.3



#17

Carbon Disulfide

Concen: 2.819 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007523.D

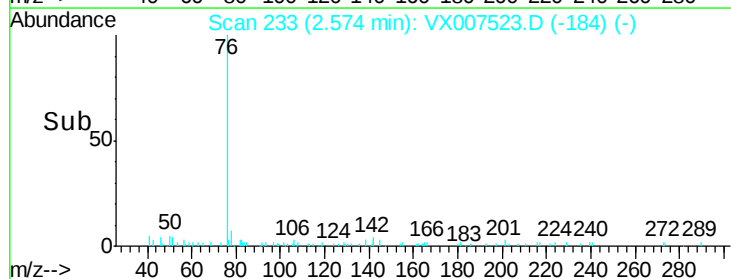
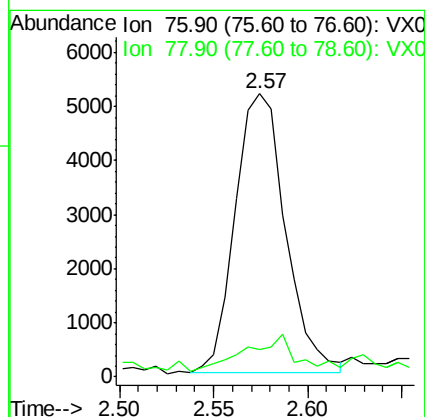
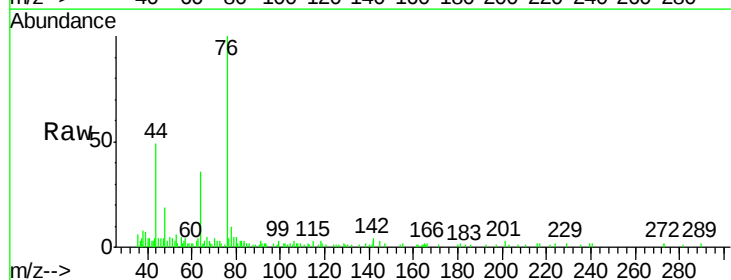
Acq: 13 Feb 2019 16:30

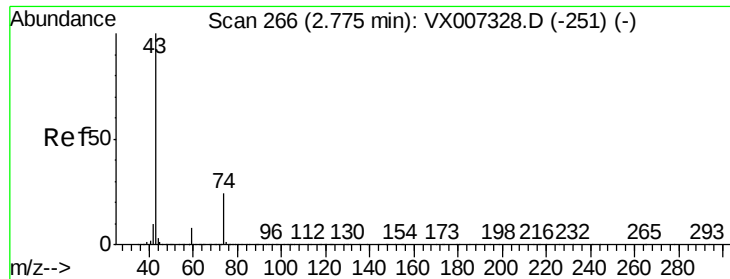
Tgt Ion: 76 Resp: 9549

Ion Ratio Lower Upper

76 100

78 7.5 7.1 10.7

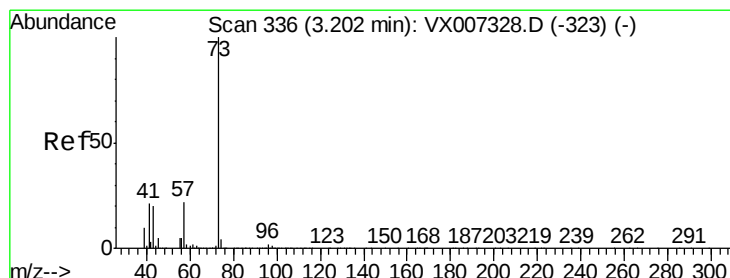
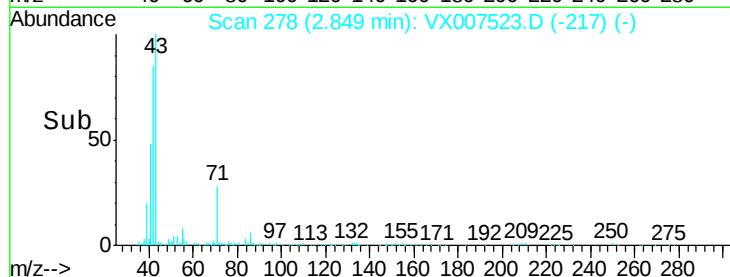
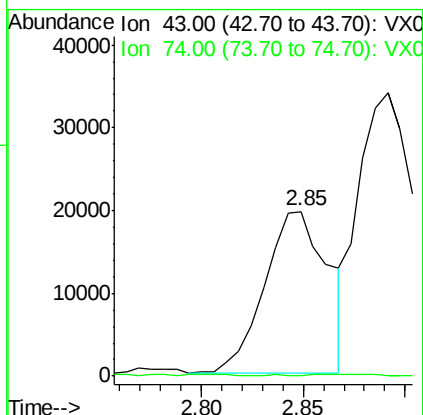
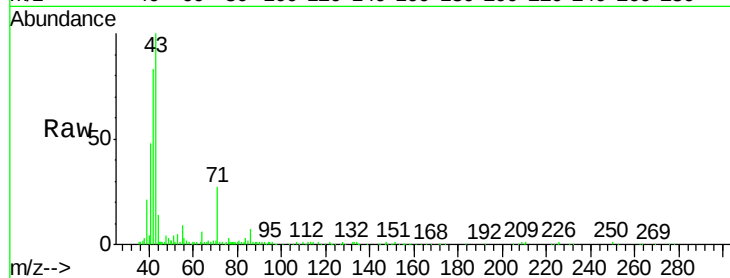




#18
Methyl Acetate
Concen: 6.842 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

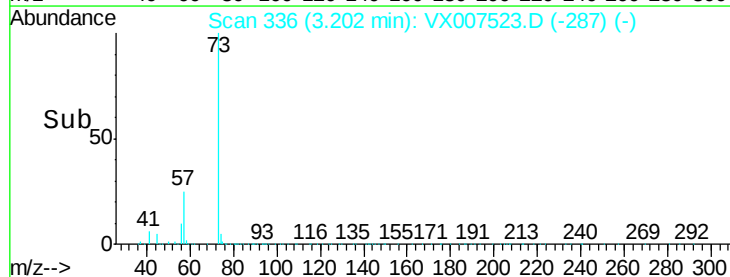
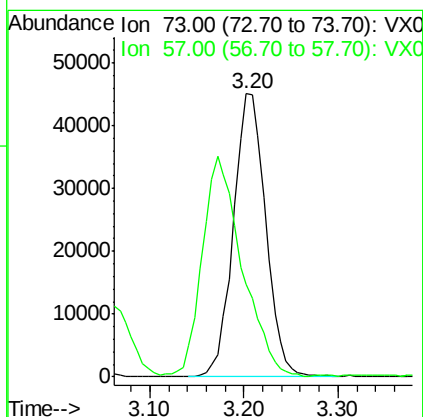
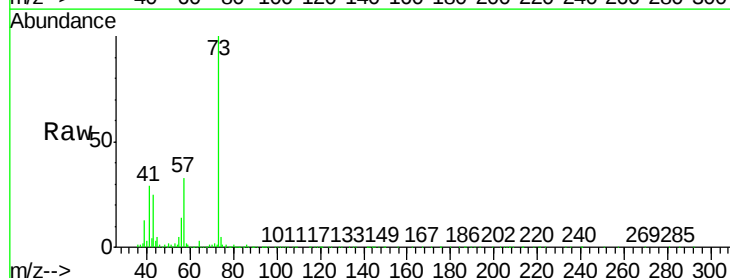
Instrument :
MSVOA_X
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MW-1-20190207

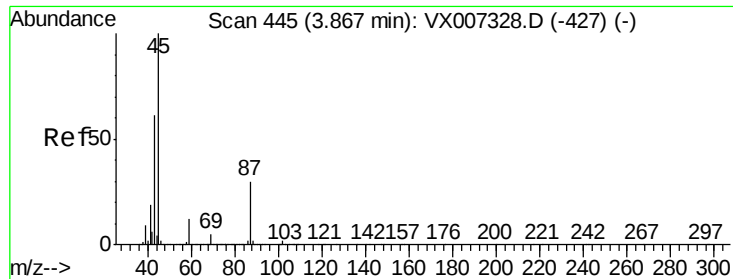
Tot Ion: 43 Resp: 42050
Ion Ratio Lower Upper
43 100
74 0.3 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 6.579 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 73 Resp: 106817
Ion Ratio Lower Upper
73 100
57 32.5 17.8 26.8#





#22

Diisopropyl ether

Concen: 0.651 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

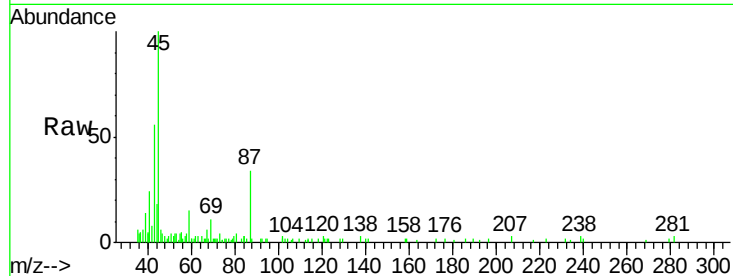
MSVOA_X

ClientSampleId :

MW-1-20190207

Tot Ion: 45 Resp: 9775

Ion	Ratio	Lower	Upper
45	100		
43	41.7	48.9	73.3#
87	33.9	23.9	35.9
59	13.7	9.6	14.4



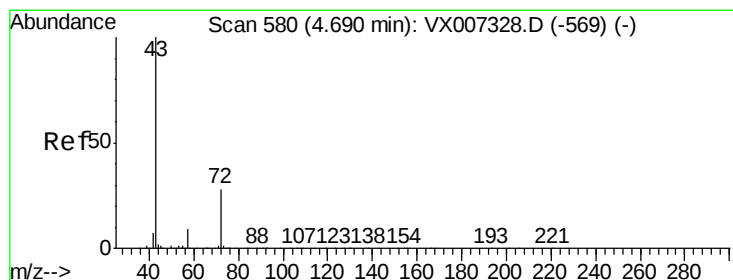
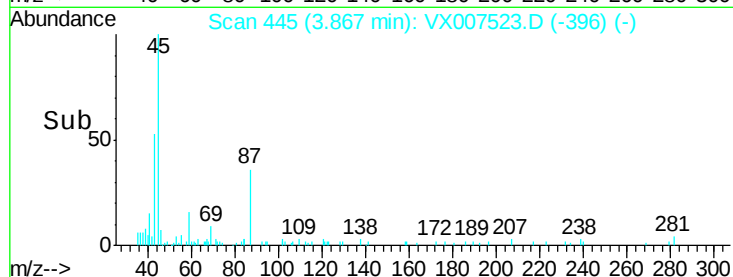
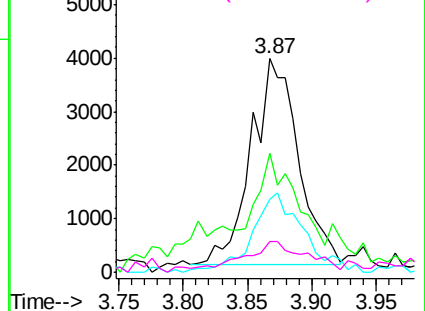
Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

2-Butanone

Concen: 2.765 ug/l

RT: 4.70 min Scan# 581

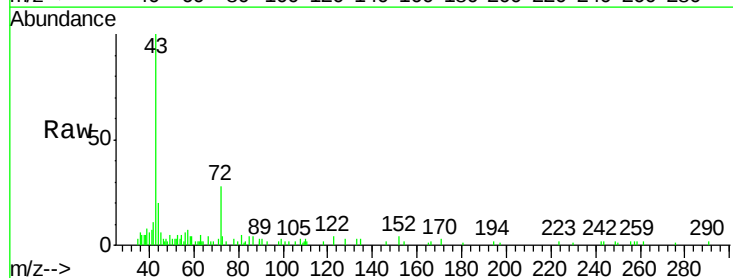
Delta R.T. 0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Tgt Ion: 43 Resp: 10043

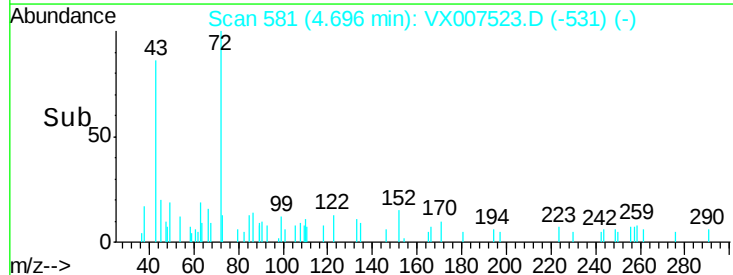
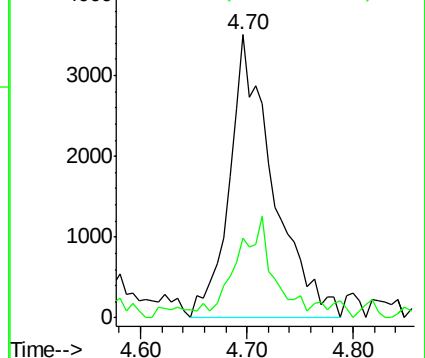
Ion	Ratio	Lower	Upper
43	100		
72	21.9	22.2	33.2#

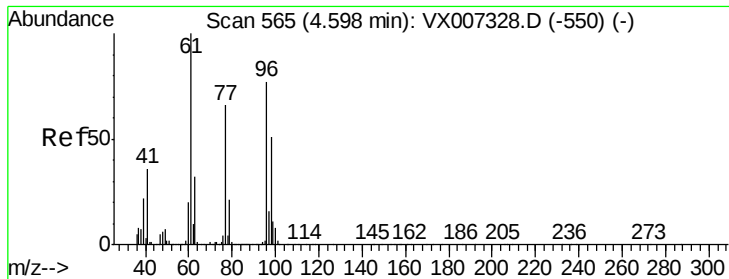


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



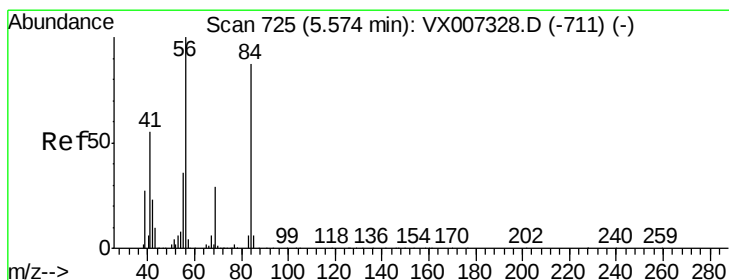
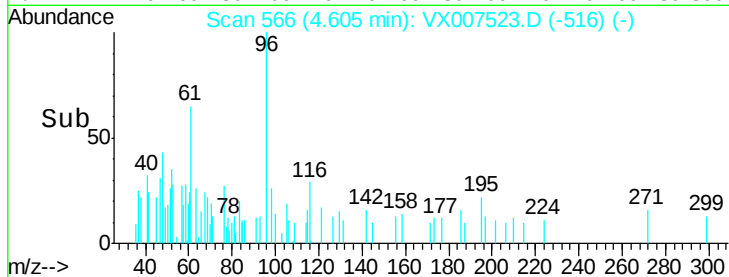
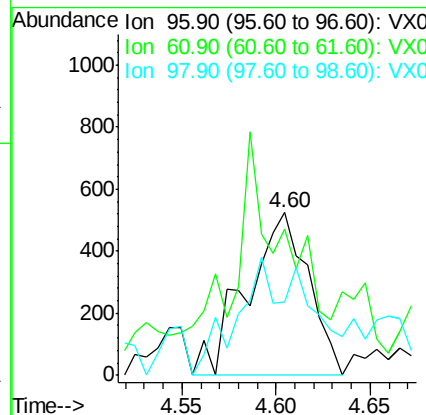
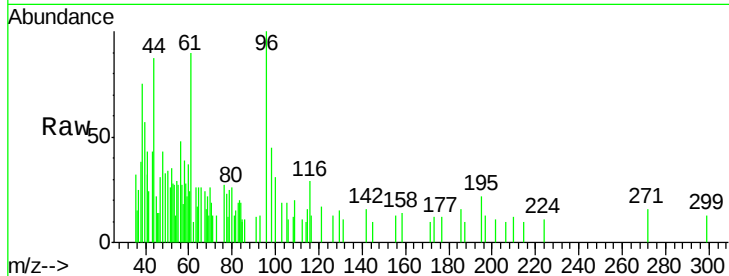


#27

cis-1,2-Dichloroethene
 Concen: 0.204 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20190207

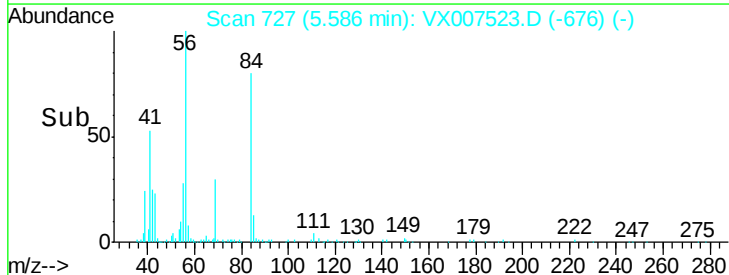
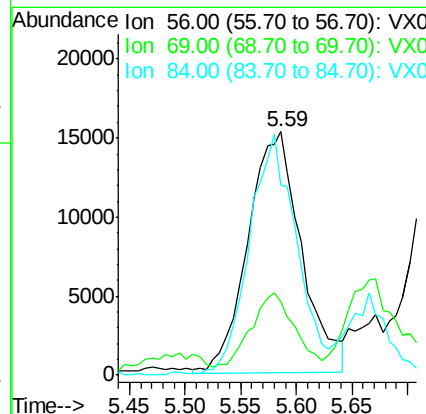
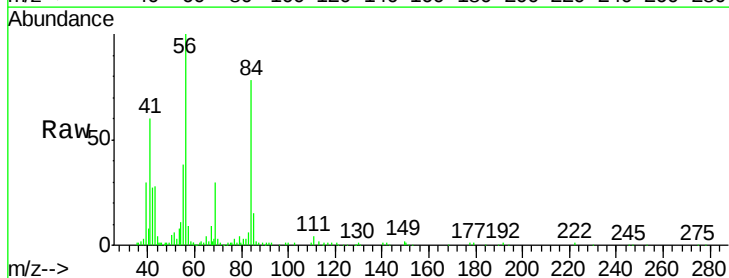
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	265.6
98	50.0	0.0	131.6

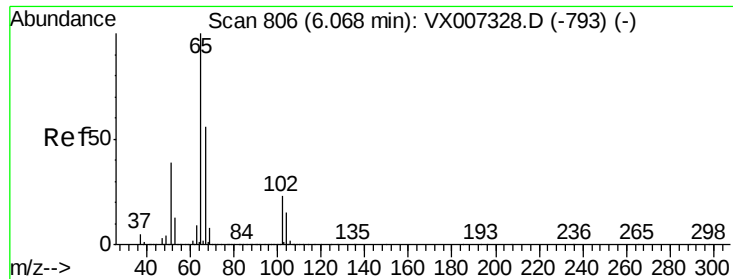


#31

Cyclohexane
 Concen: 6.581 ug/l
 RT: 5.59 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	22.2	23.0	34.6#
84	79.3	69.8	104.6





#33

1,2-Dichloroethane-d4

Concen: 50.416 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

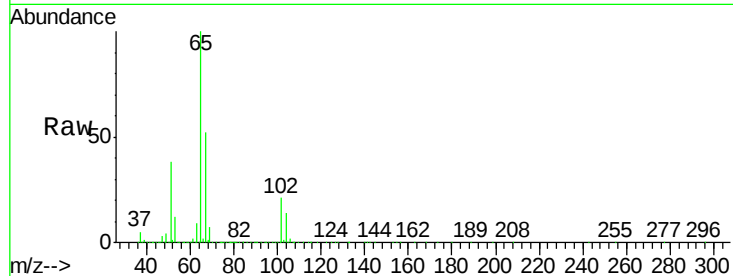
MW-1-20190207

Tot Ion: 65 Resp: 280870

Ion Ratio Lower Upper

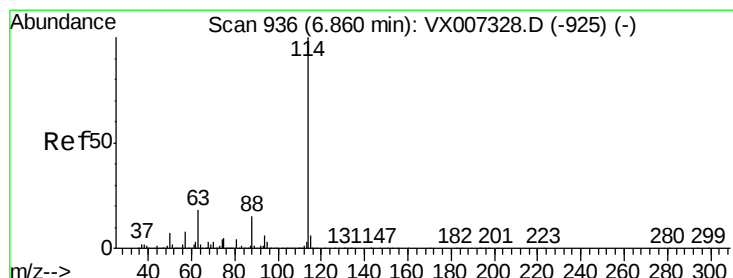
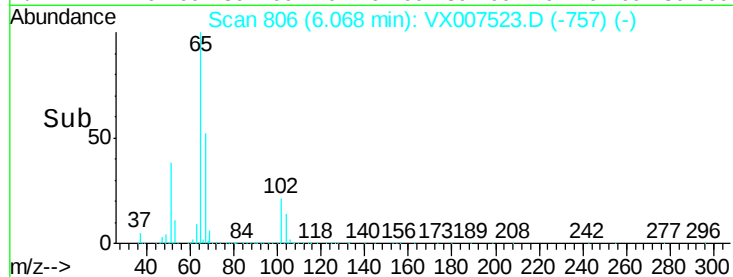
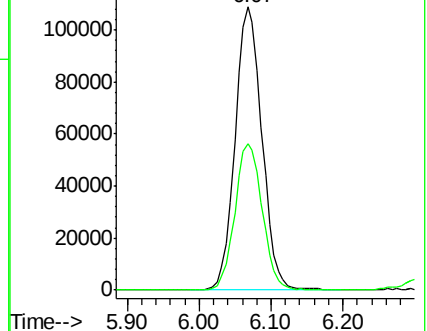
65 100

67 52.7 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

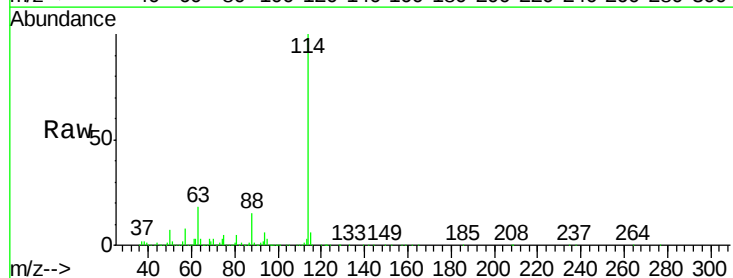
Tgt Ion: 114 Resp: 817802

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

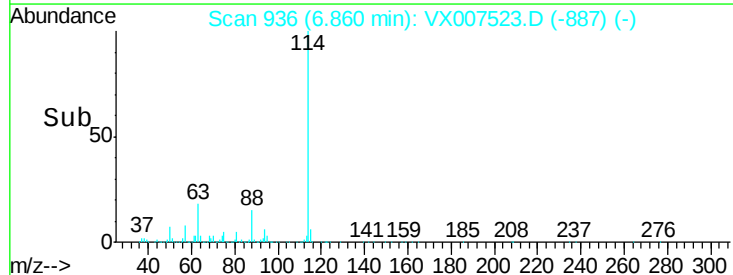
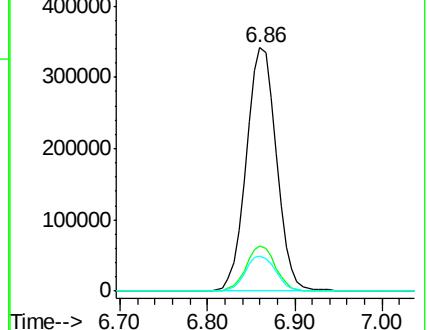
88 14.5 0.0 29.6

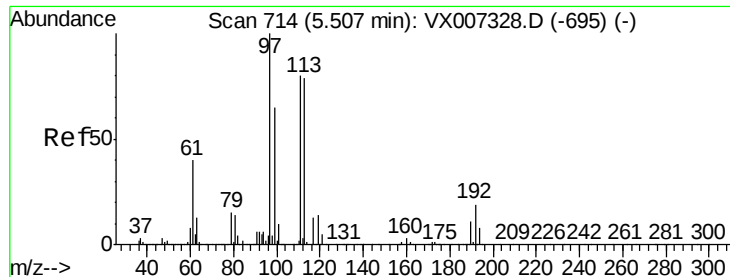


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.770 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20190207

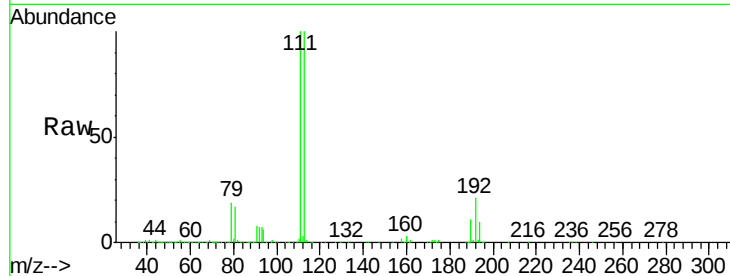
Tot Ion:113 Resp: 259511

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

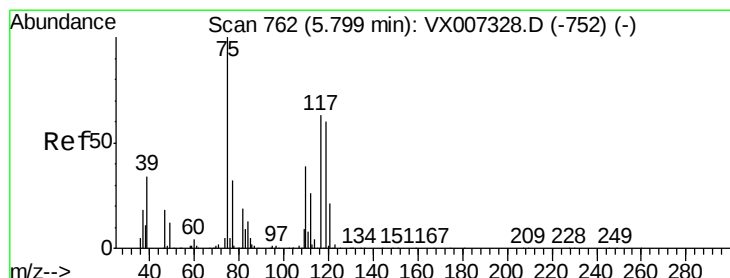
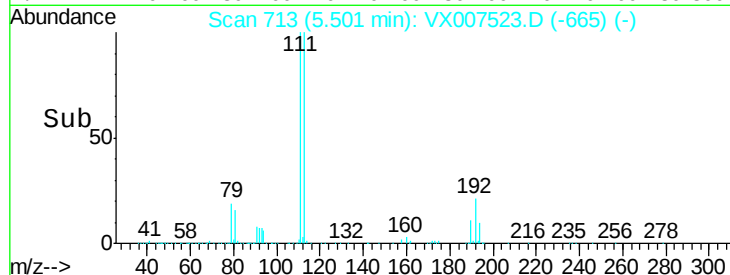
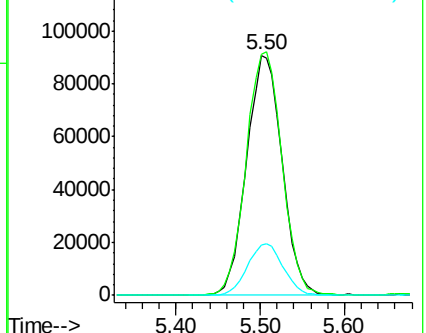
192 21.8 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

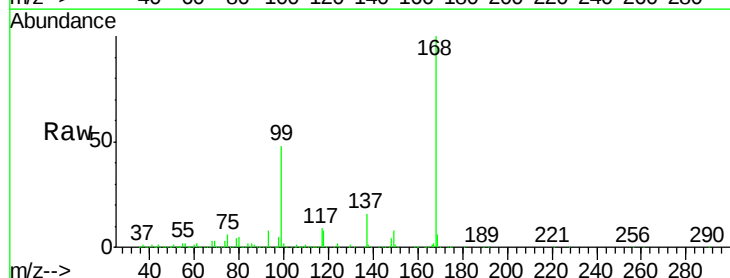
Tgt Ion: 75 Resp: 32221

Ion Ratio Lower Upper

75 100

110 10.4 20.0 59.9#

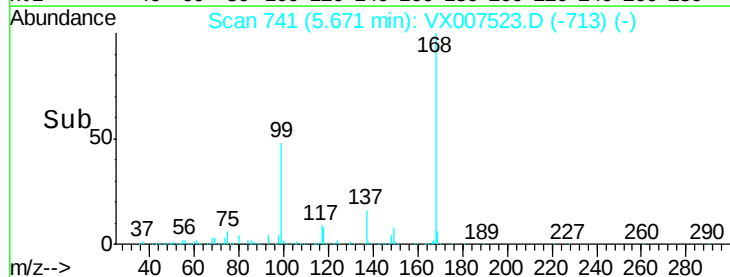
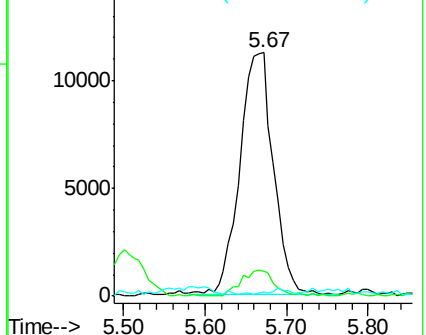
77 0.0 24.7 37.1#

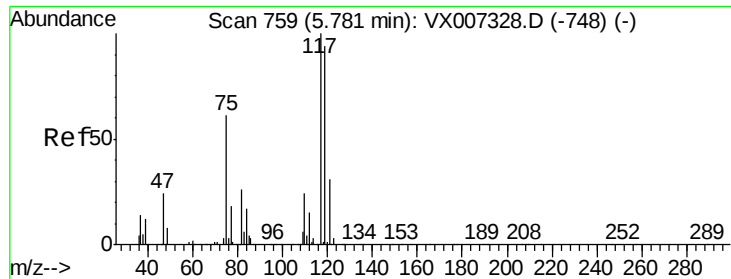


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.607 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20190207

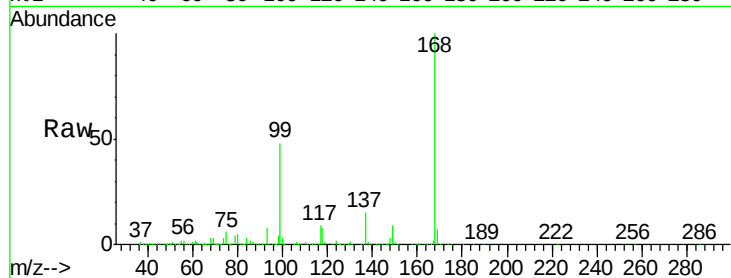
Tot Ion:117 Resp: 47031

Ion Ratio Lower Upper

117 100

119 5.8 75.3 112.9#

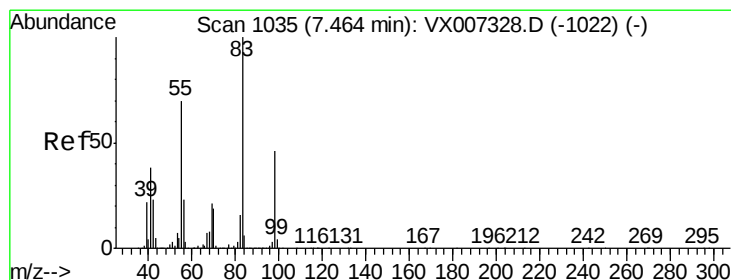
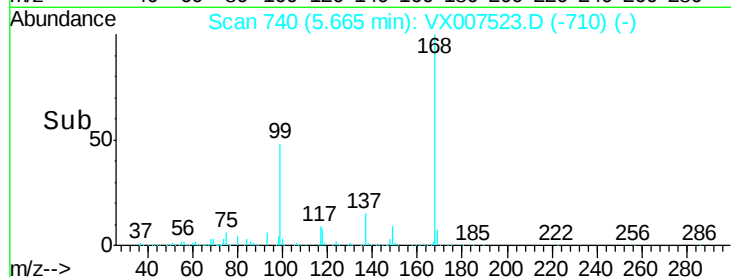
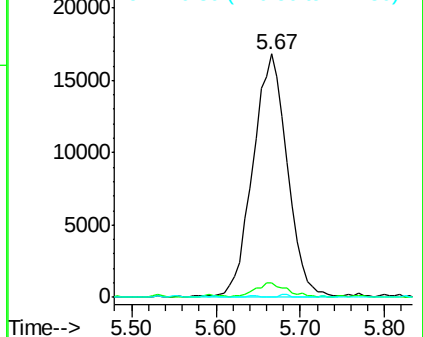
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 7.221 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

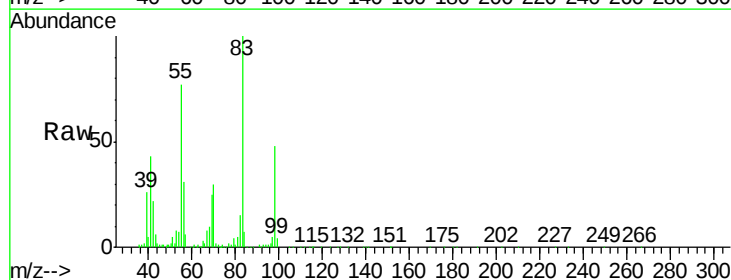
Tgt Ion: 83 Resp: 64108

Ion Ratio Lower Upper

83 100

55 76.6 56.2 84.2

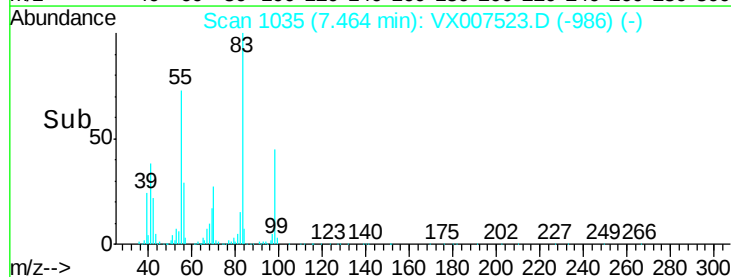
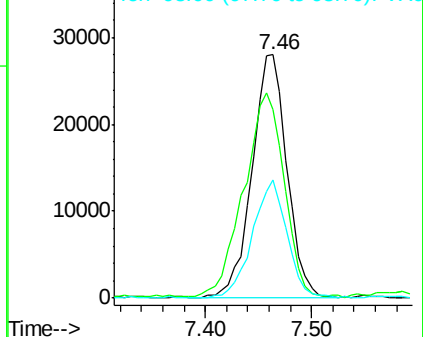
98 48.3 36.8 55.2

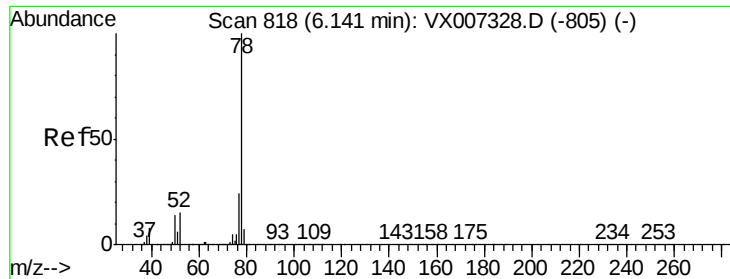


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 3.266 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

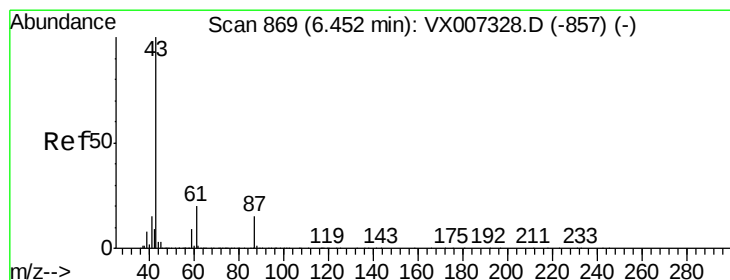
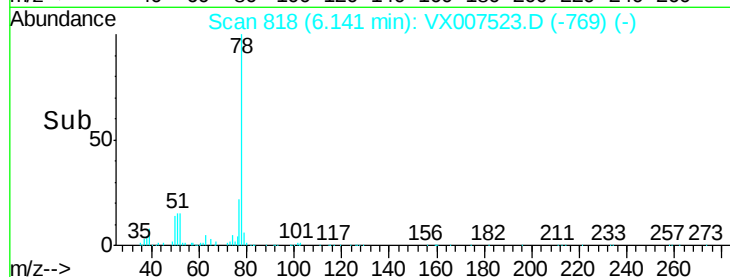
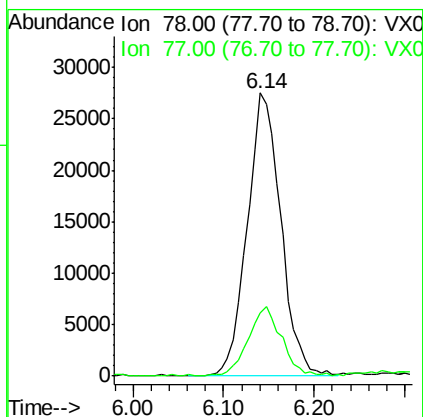
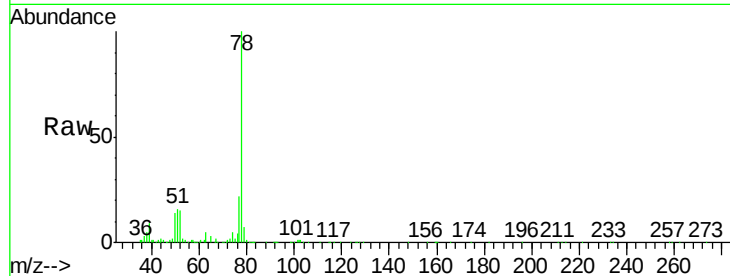
MW-1-20190207

Tot Ion: 78 Resp: 70603

Ion Ratio Lower Upper

78 100

77 21.9 19.3 28.9



#43

Isopropyl Acetate

Concen: 0.333 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

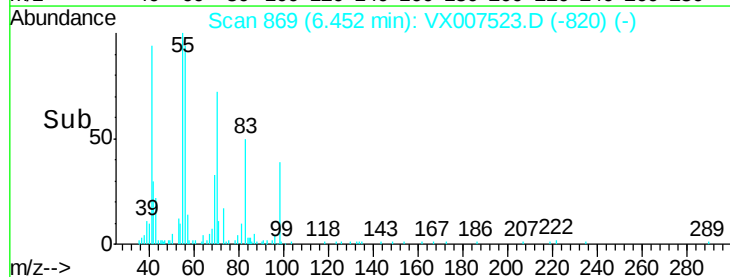
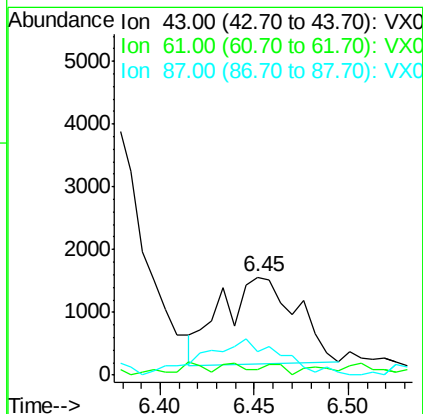
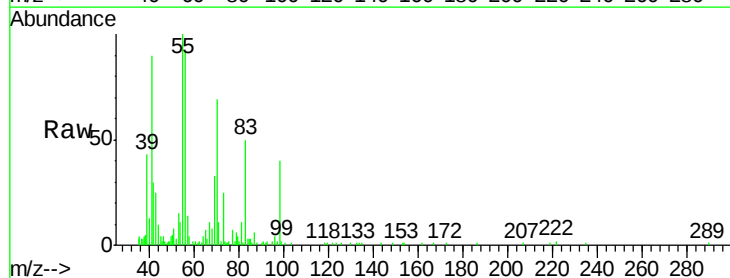
Tgt Ion: 43 Resp: 3815

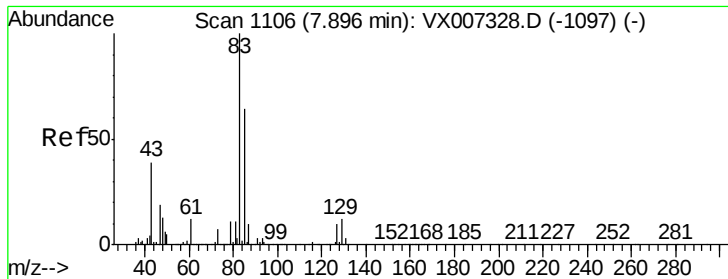
Ion Ratio Lower Upper

43 100

61 3.3 16.1 24.1#

87 43.4 11.5 17.3#





#47

Bromodichloromethane

Concen: 0.236 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1-20190207

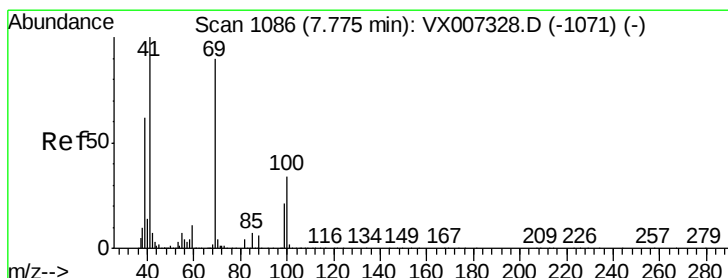
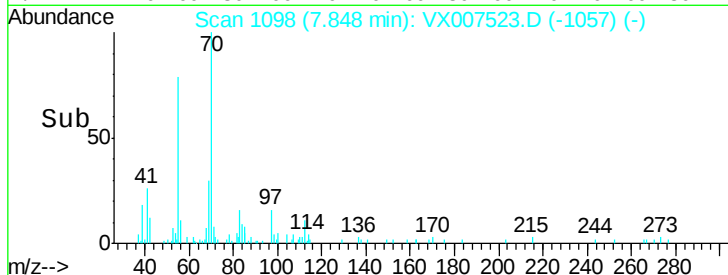
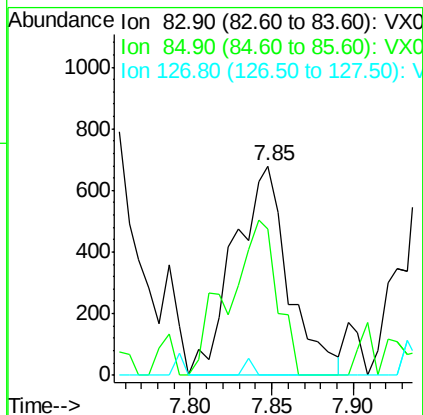
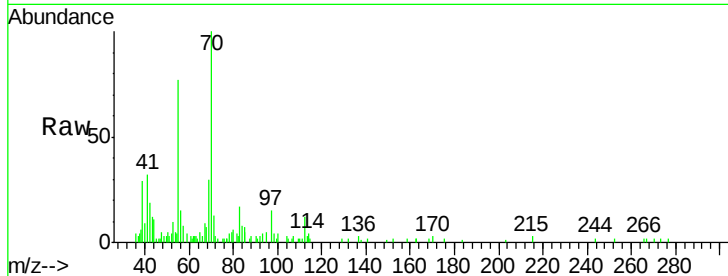
Tot Ion: 83 Resp: 1577

Ion Ratio Lower Upper

83 100

85 69.9 51.4 77.0

127 0.0 8.1 12.1#



#48

Methyl methacrylate

Concen: 1.280 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

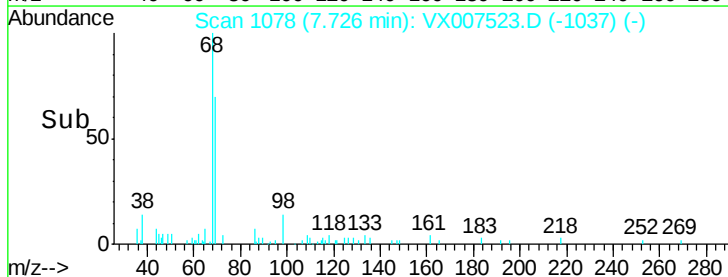
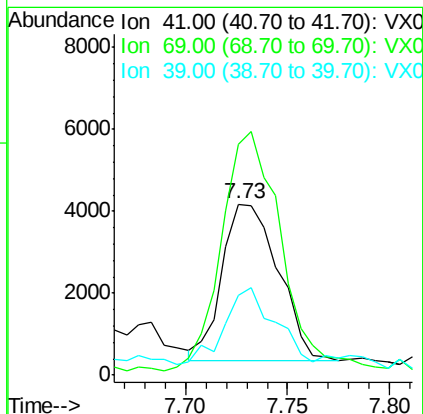
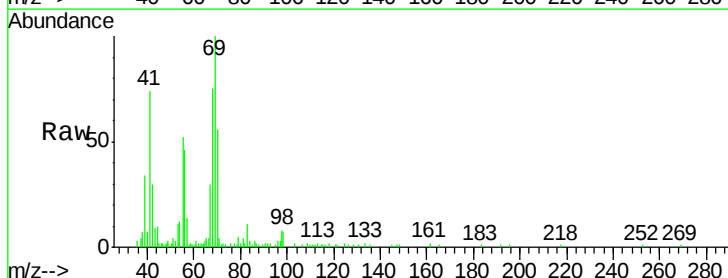
Tgt Ion: 41 Resp: 7329

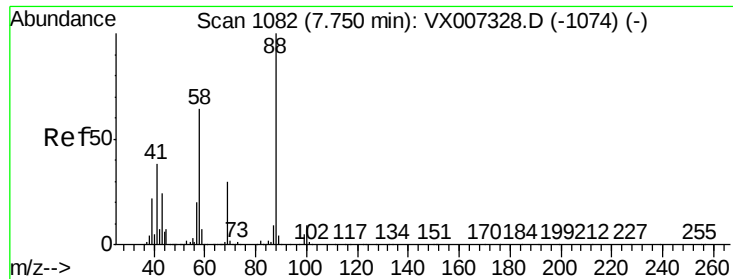
Ion Ratio Lower Upper

41 100

69 161.7 70.2 105.4#

39 44.5 47.4 71.0#

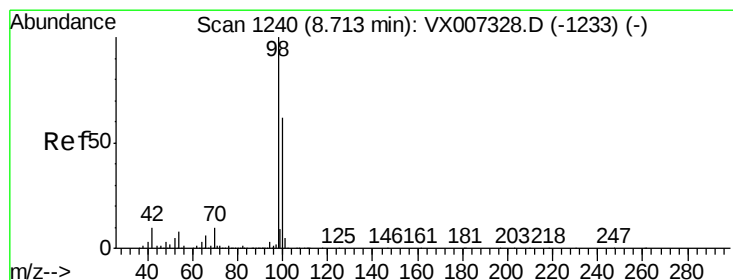
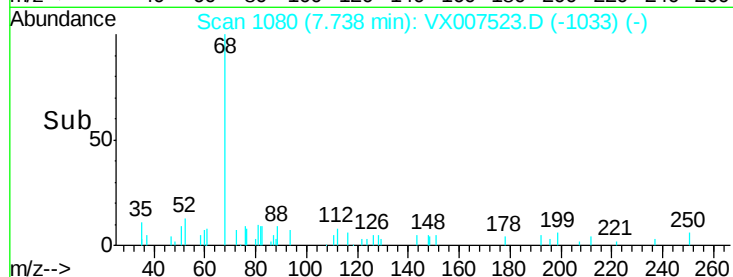
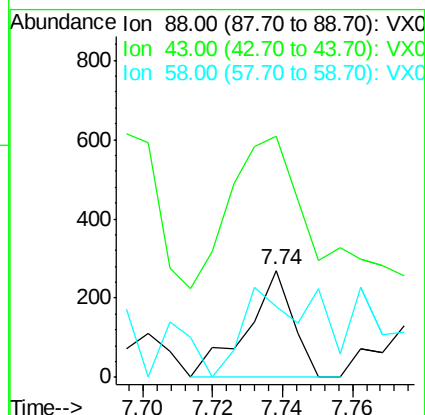
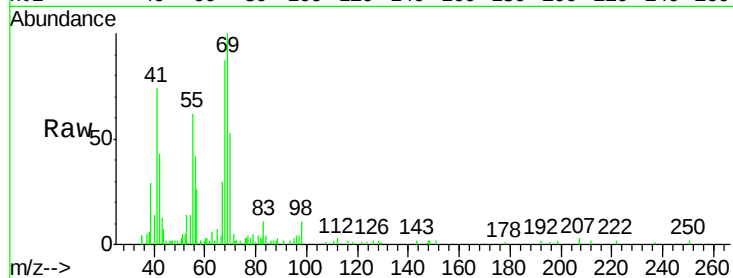




#49
1,4-Dioxane
Concen: 8.747 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

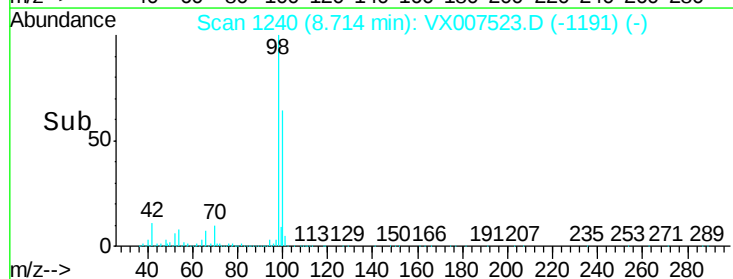
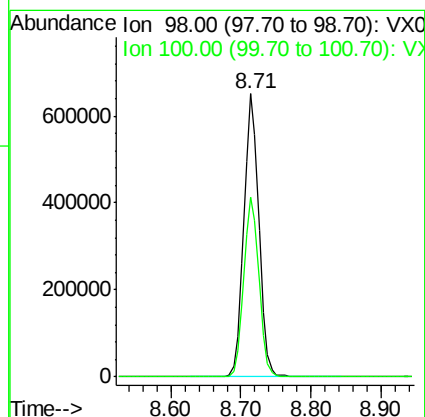
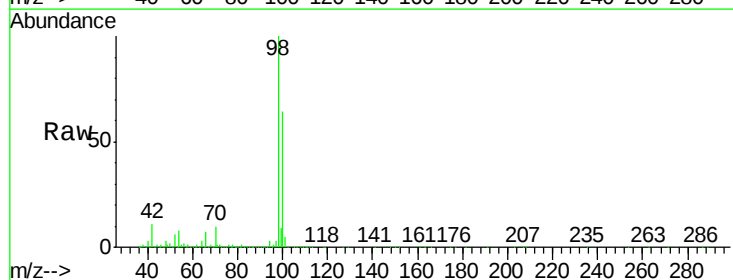
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

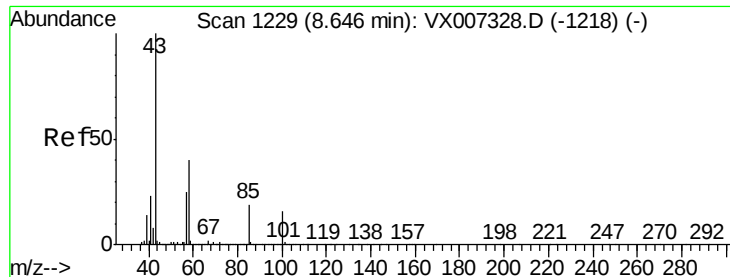
Tot Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 351.0 24.2 36.4#
58 91.0 53.0 79.4#



#50
Toluene-d8
Concen: 49.295 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 98 Resp: 973204
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

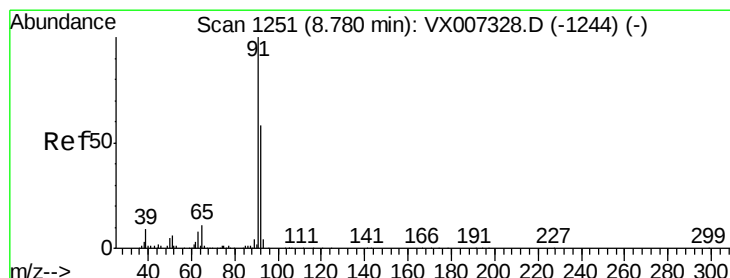
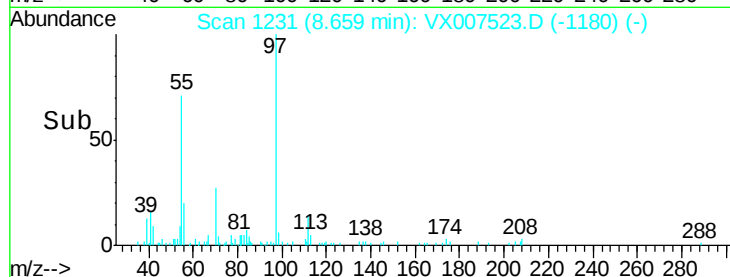
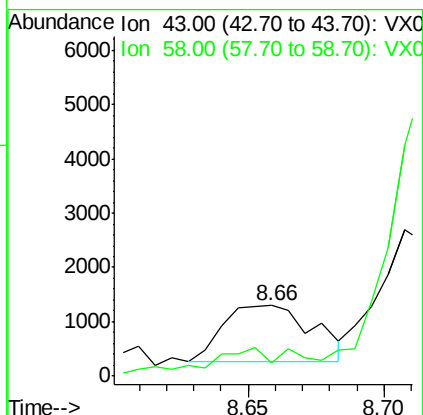
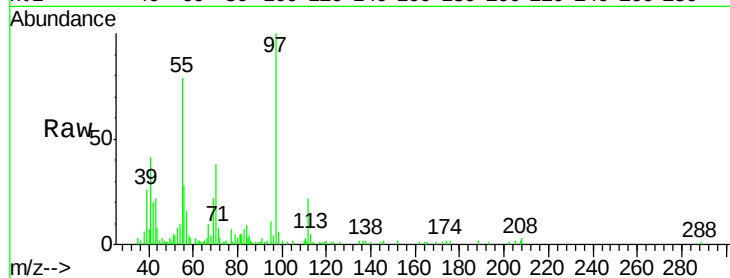




#51
4-Methyl-2-Pentanone
Concen: 0.309 ug/l
RT: 8.66 min Scan# 1231
Delta R.T. 0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

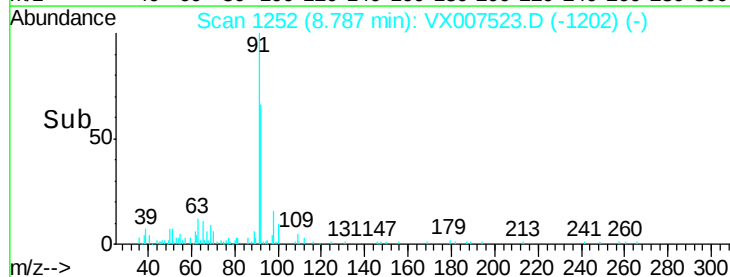
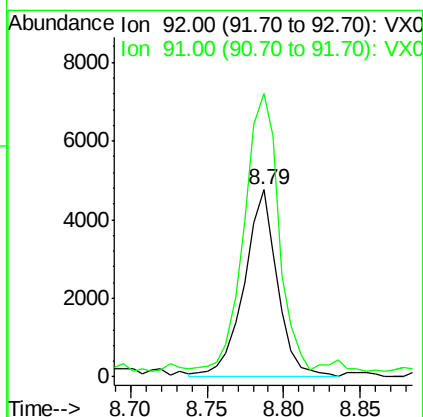
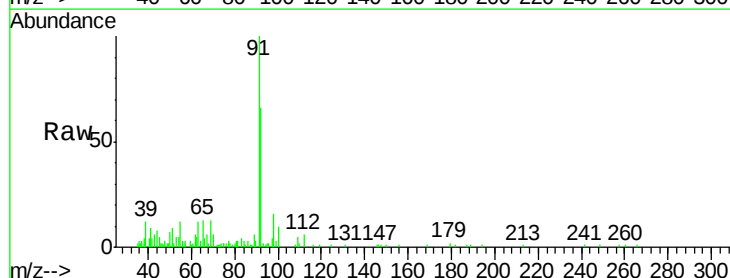
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

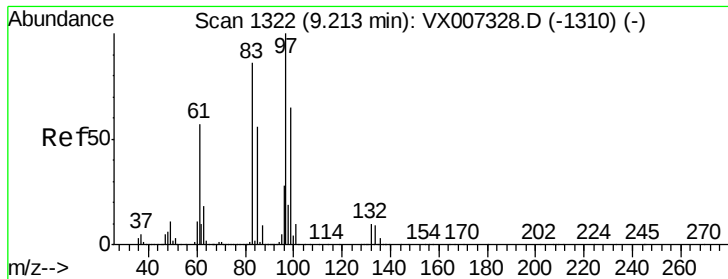
Tot Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
58 38.4 31.2 46.8



#52
Toluene
Concen: 0.515 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 92 Resp: 7188
Ion Ratio Lower Upper
92 100
91 152.2 139.1 208.7

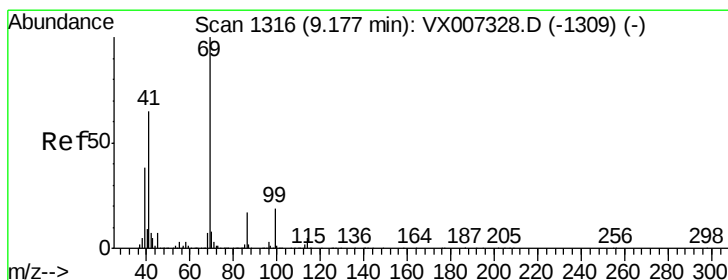
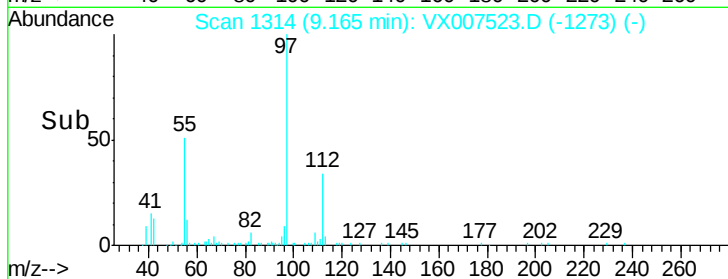
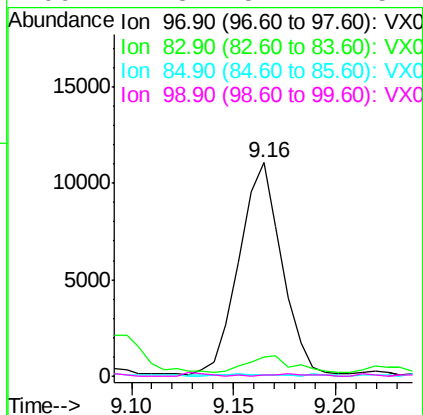
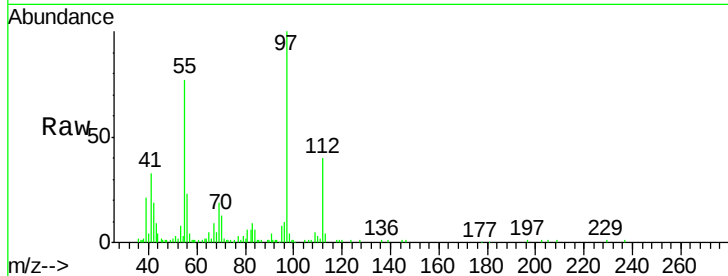




#55
 1,1,2-Trichloroethane
 Concen: 2.731 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

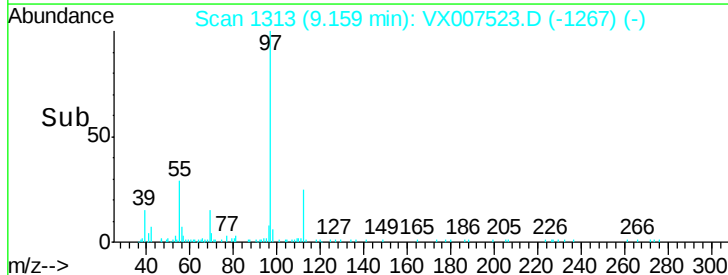
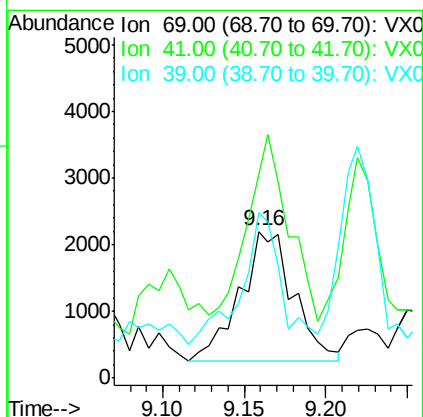
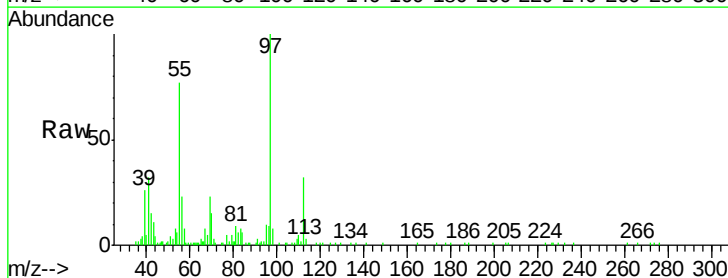
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20190207

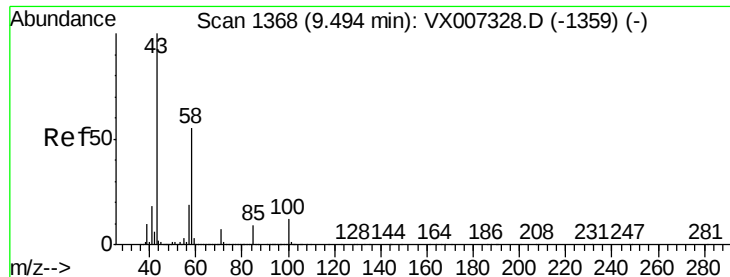
Tot Ion: 97 Resp: 15874
 Ion Ratio Lower Upper
 97 100
 83 7.7 68.6 102.8#
 85 0.9 44.5 66.7#
 99 1.3 52.2 78.4#



#56
 Ethyl methacrylate
 Concen: 0.552 ug/l
 RT: 9.16 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Tgt Ion: 69 Resp: 4445
 Ion Ratio Lower Upper
 69 100
 41 117.8 52.1 78.1#
 39 77.8 30.1 45.1#





#59

2-Hexanone

Concen: 0.358 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

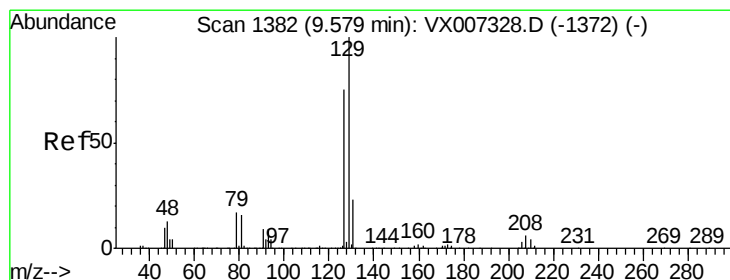
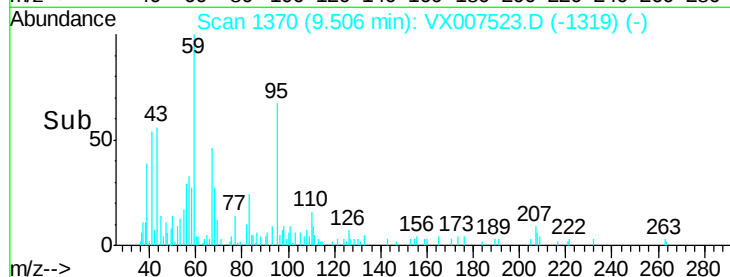
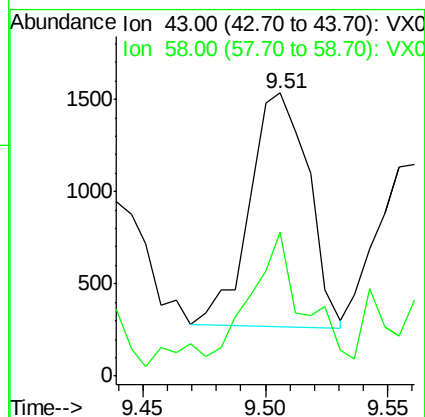
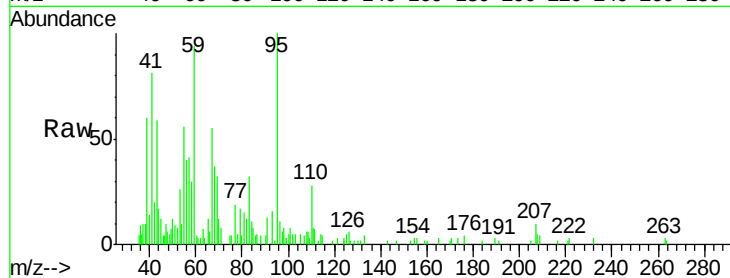
MW-1-20190207

Tot Ion: 43 Resp: 2101

Ion Ratio Lower Upper

43 100

58 63.2 27.1 81.3



#60

Dibromochloromethane

Concen: 0.972 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007523.D

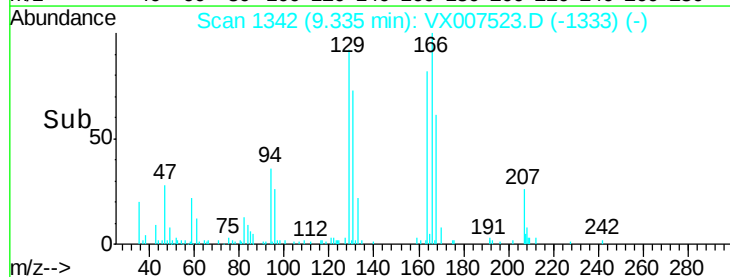
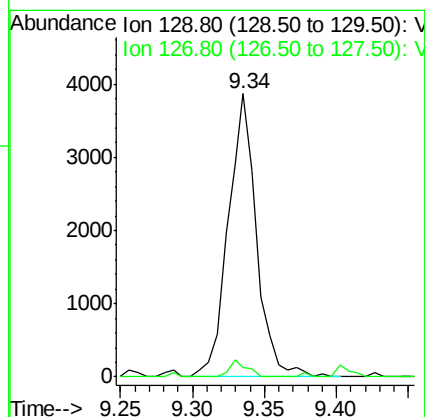
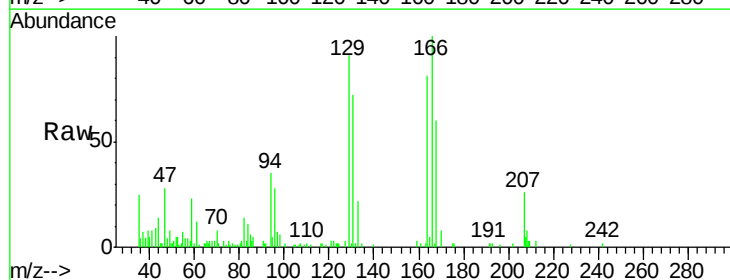
Acq: 13 Feb 2019 16:30

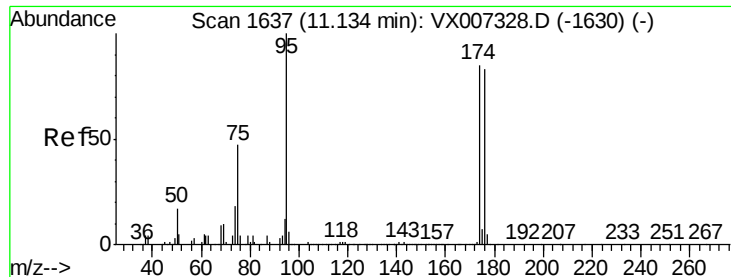
Tgt Ion: 129 Resp: 5342

Ion Ratio Lower Upper

129 100

127 3.6 37.8 113.4#

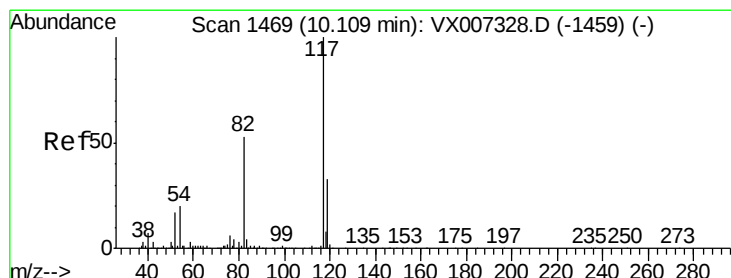
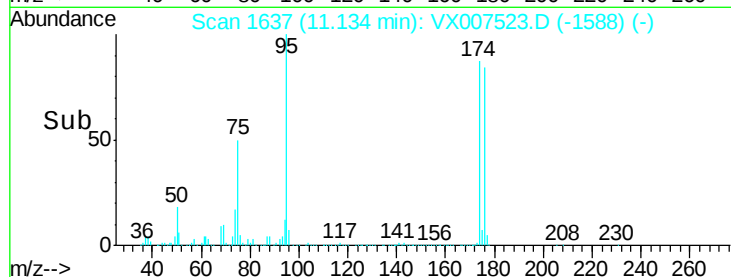
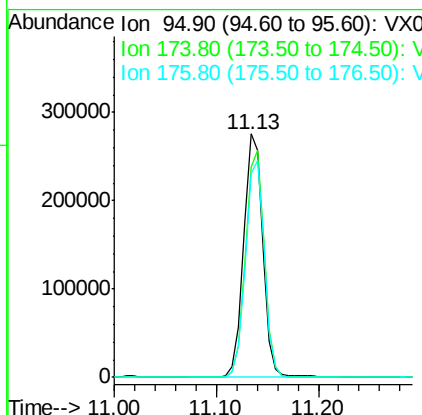
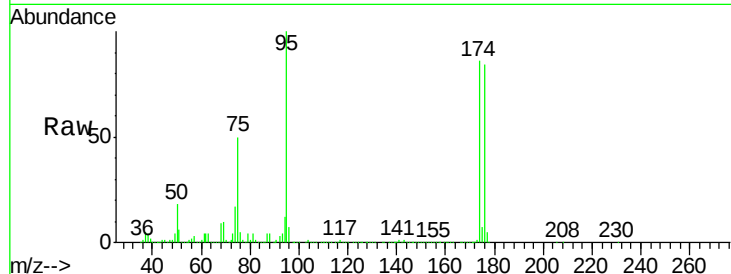




#62
4-Bromofluorobenzene
Concen: 49.361 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

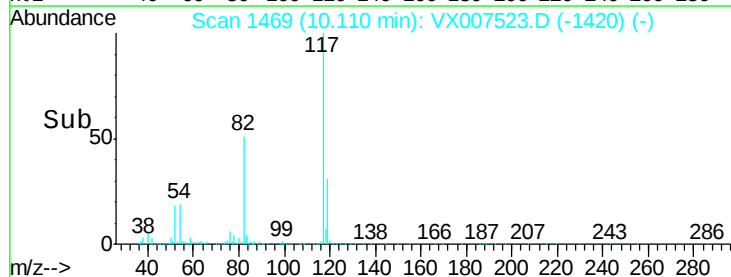
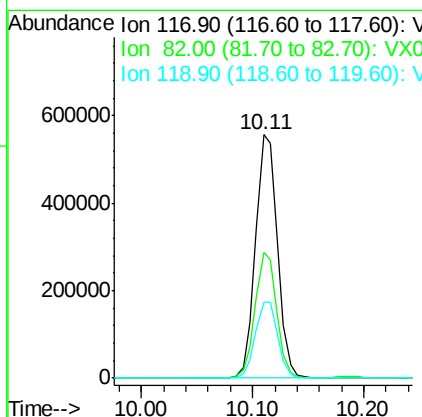
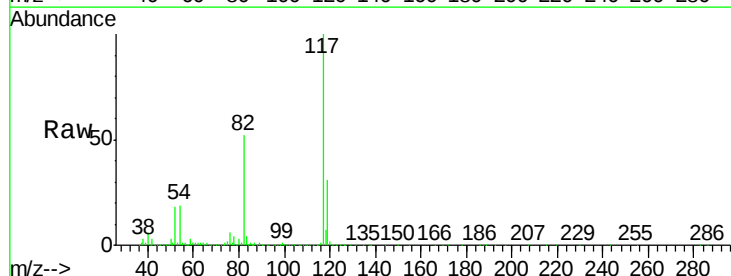
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

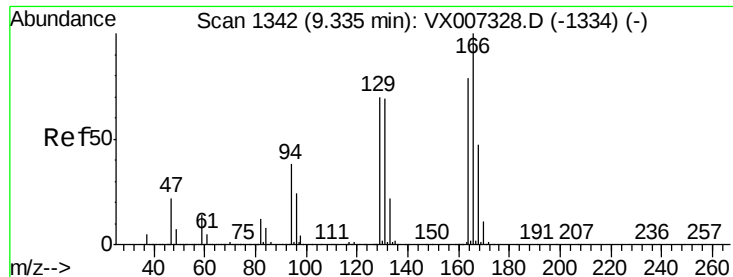
Tot Ion: 95 Resp: 355791
Ion Ratio Lower Upper
95 100
174 91.7 0.0 189.2
176 88.0 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 117 Resp: 763877
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 31.0 26.5 39.7





#64

Tetrachloroethene

Concen: 0.758 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20190207

Tot Ion:164 Resp: 5457

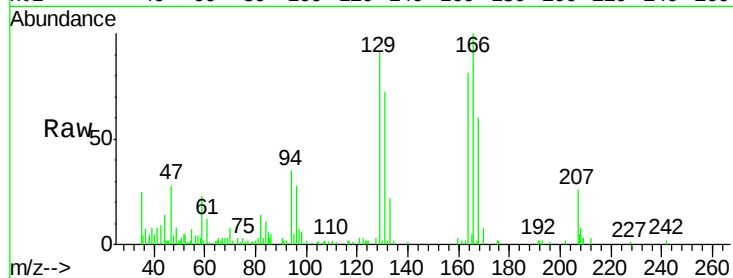
Ion Ratio Lower Upper

164 100

166 123.8 101.0 151.4

129 112.1 70.5 105.7#

131 89.3 69.8 104.6

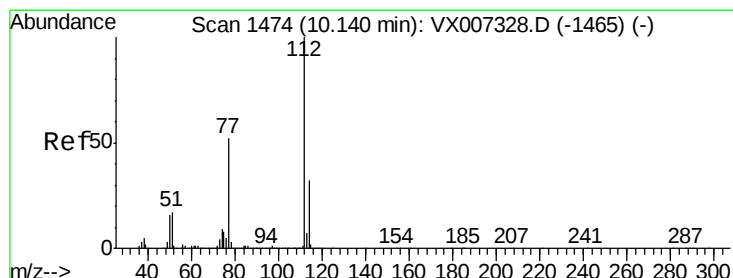
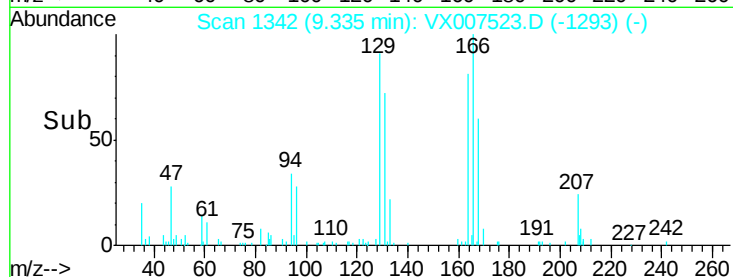
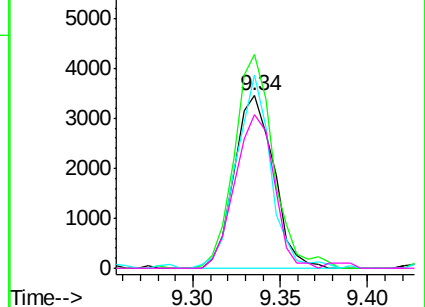


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.338 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007523.D

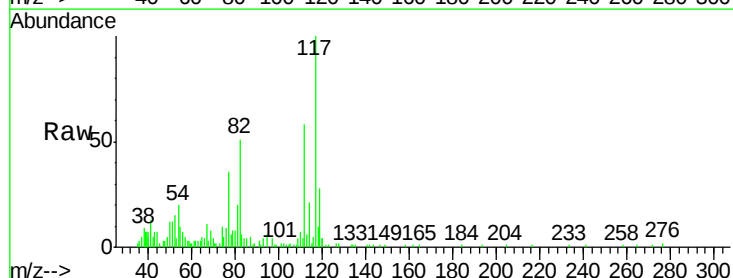
Acq: 13 Feb 2019 16:30

Tgt Ion:112 Resp: 5640

Ion Ratio Lower Upper

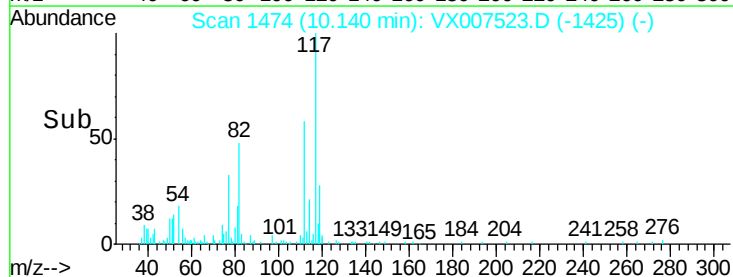
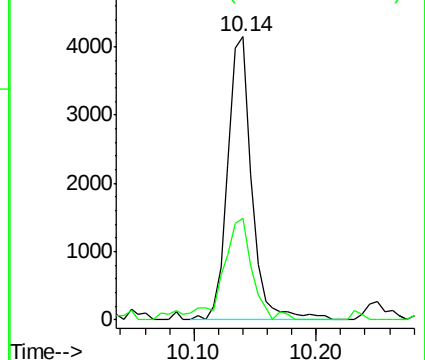
112 100

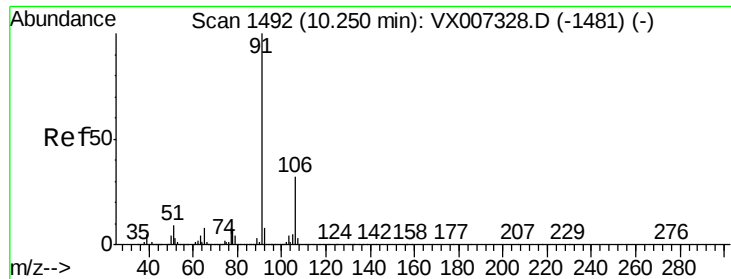
114 36.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.366 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

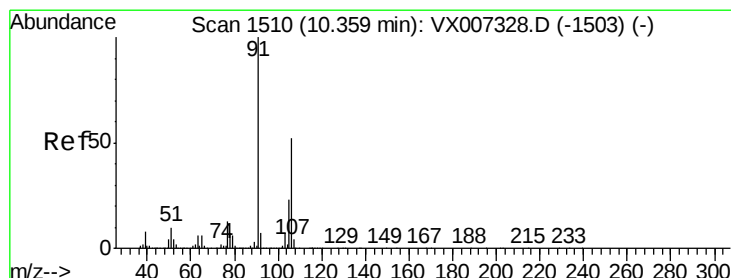
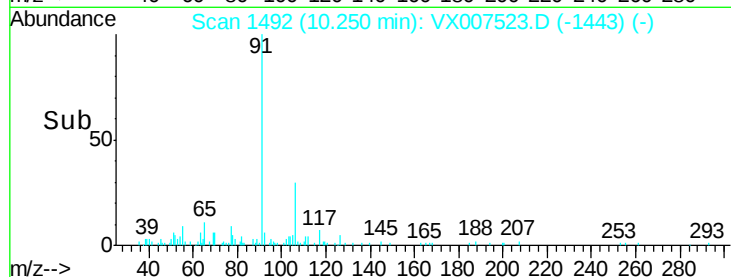
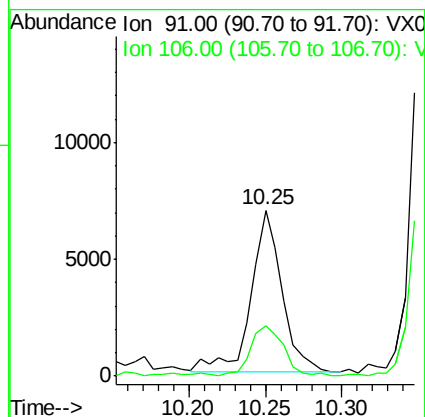
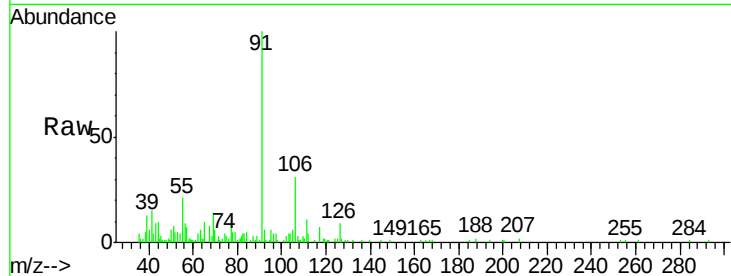
MW-1-20190207

Tot Ion: 91 Resp: 9815

Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.0



#68

m/p-Xylenes

Concen: 1.761 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007523.D

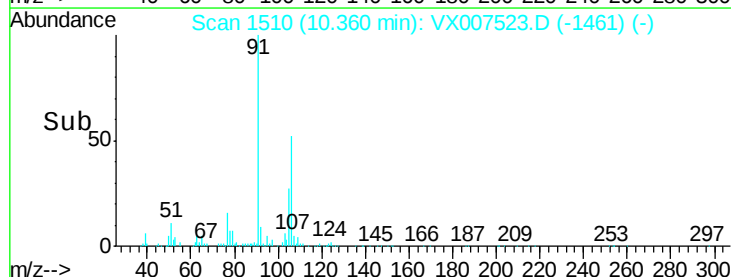
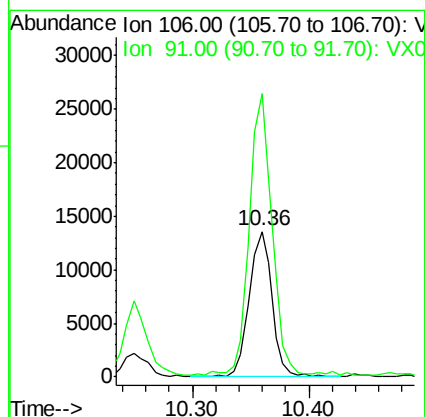
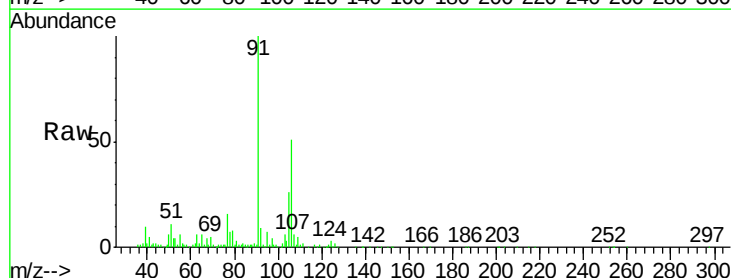
Acq: 13 Feb 2019 16:30

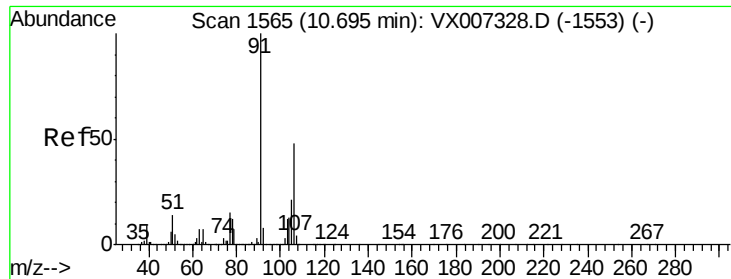
Tgt Ion: 106 Resp: 18789

Ion Ratio Lower Upper

106 100

91 189.0 156.6 234.8

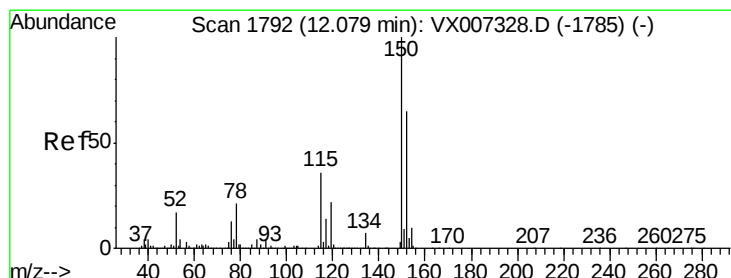
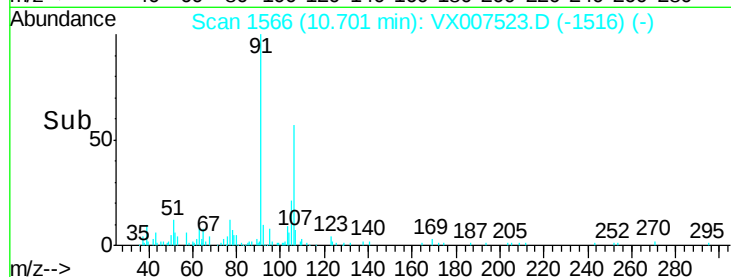
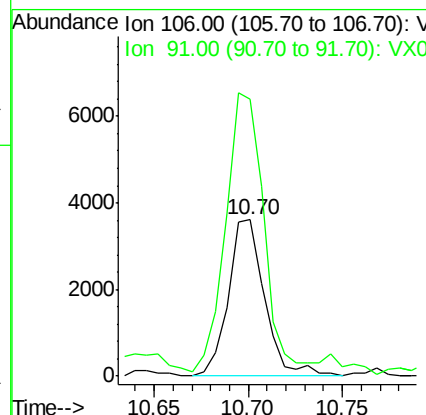
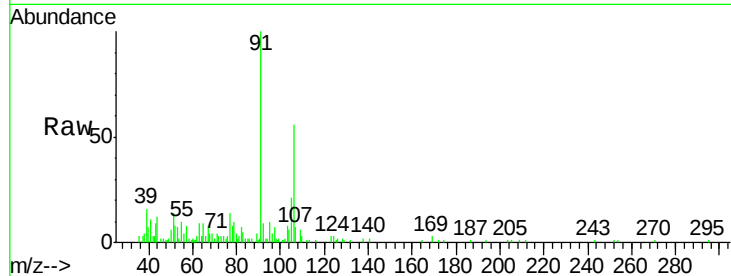




#69
o-Xylene
Concen: 0.471 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

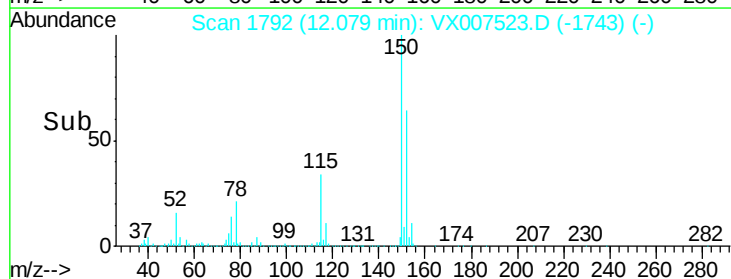
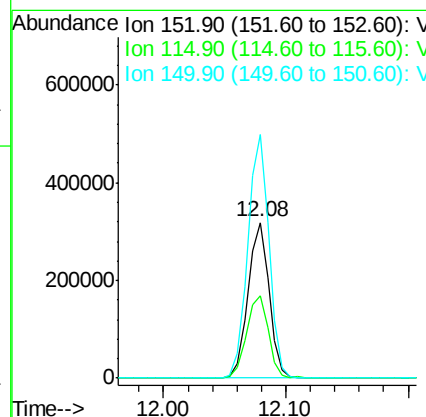
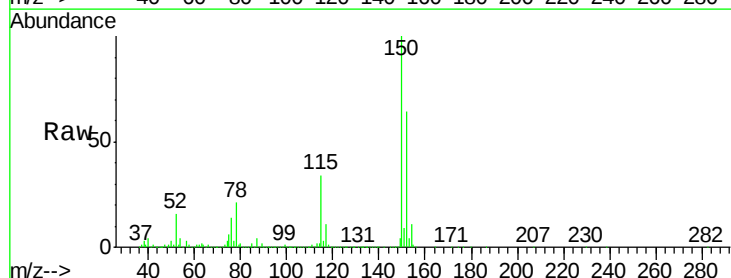
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

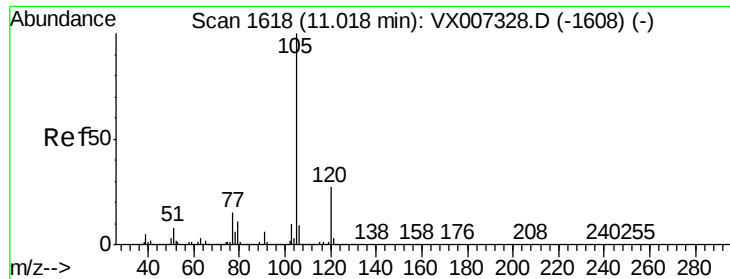
Tot Ion:106 Resp: 4837
Ion Ratio Lower Upper
106 100
91 187.0 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion:152 Resp: 380501
Ion Ratio Lower Upper
152 100
115 55.6 38.0 114.0
150 156.3 0.0 346.4





#73

Isopropylbenzene

Concen: 5.104 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

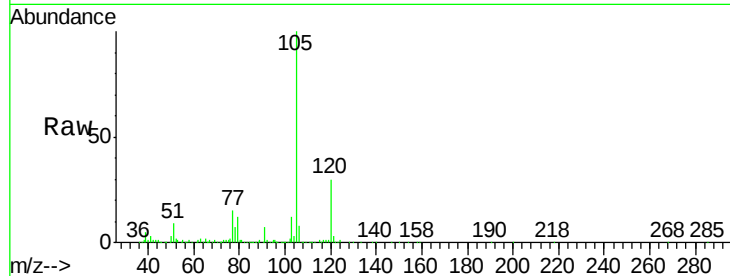
MW-1-20190207

Tot Ion:105 Resp: 131973

Ion Ratio Lower Upper

105 100

120 28.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

120000

100000

80000

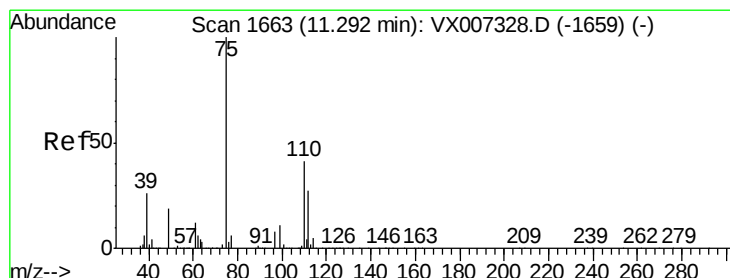
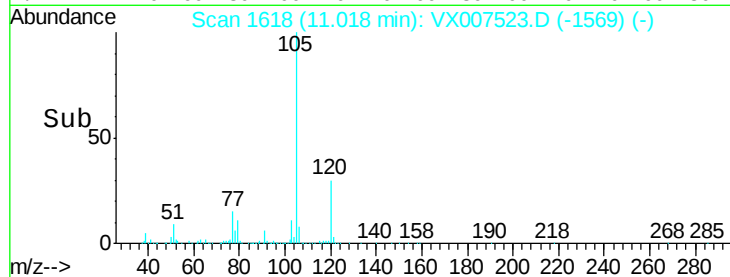
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#76

1,2,3-Trichloropropane

Concen: 23.000 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007523.D

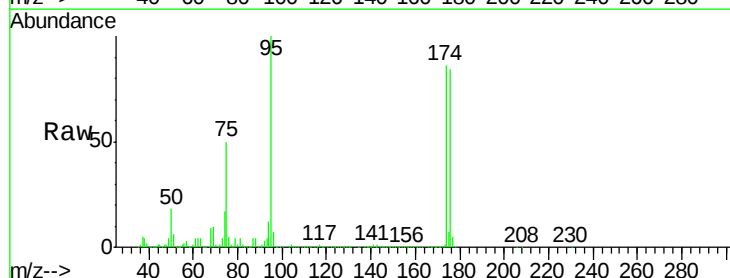
Acq: 13 Feb 2019 16:30

Tgt Ion: 75 Resp: 170227

Ion Ratio Lower Upper

75 100

77 1.2 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

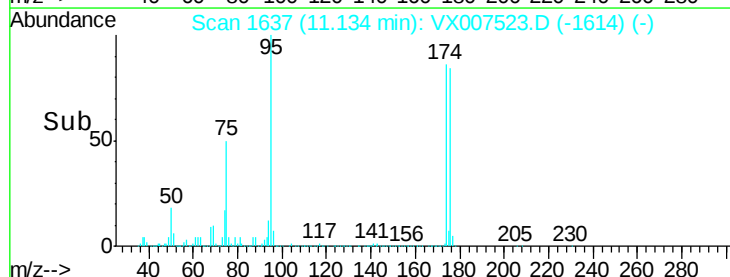
150000

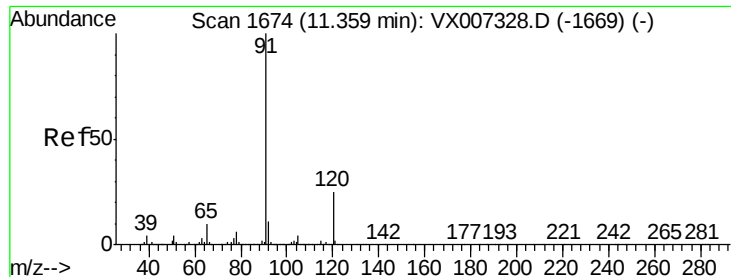
100000

50000

0

Time--> 11.10 11.20





#78

n-propylbenzene

Concen: 8.138 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

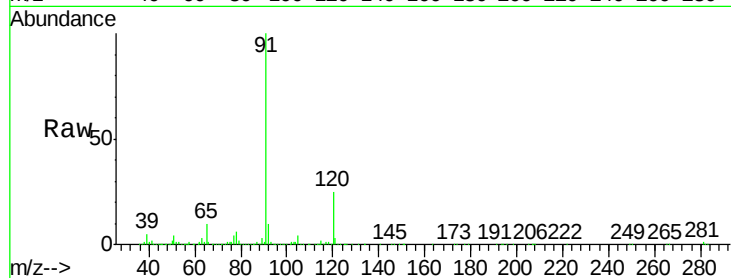
MW-1-20190207

Tot Ion: 91 Resp: 230743

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

200000

150000

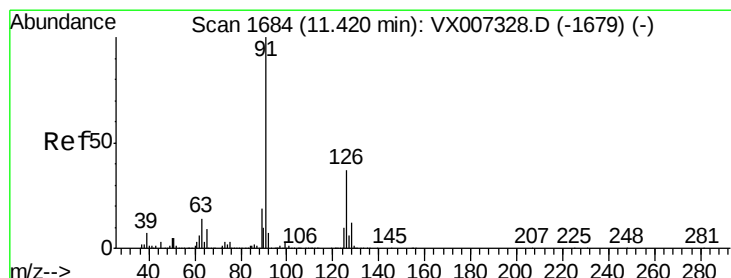
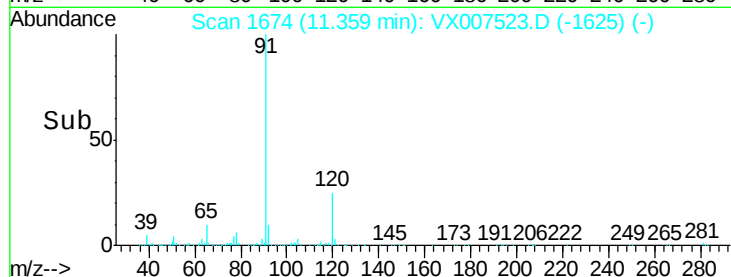
100000

50000

0

11.30 11.35 11.40

Time-->



#79

2-Chlorotoluene

Concen: 13.412 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX007523.D

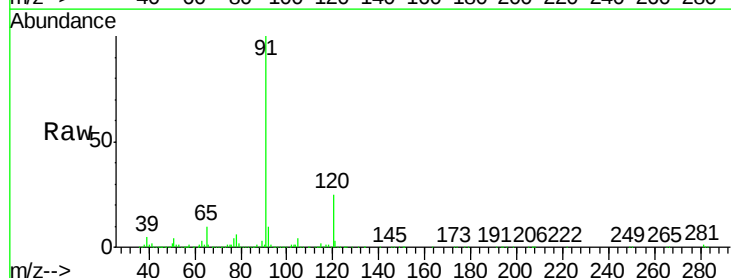
Acq: 13 Feb 2019 16:30

Tgt Ion: 91 Resp: 230743

Ion Ratio Lower Upper

91 100

126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

200000

150000

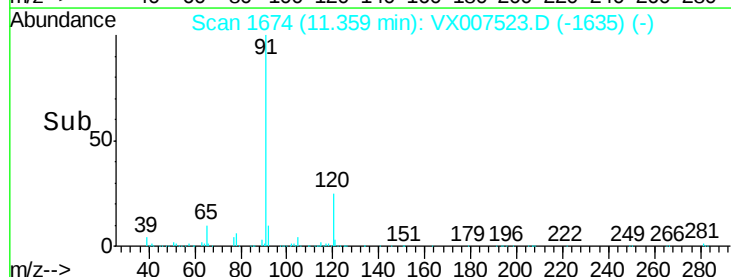
100000

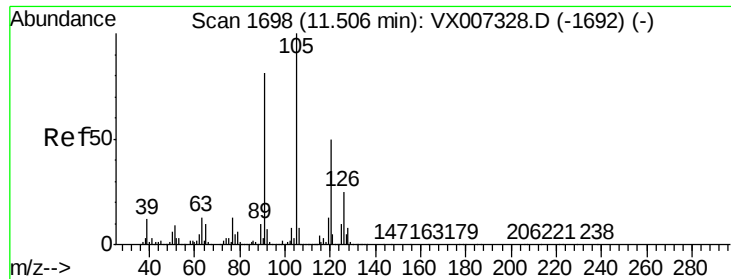
50000

0

11.30 11.35 11.40

Time-->

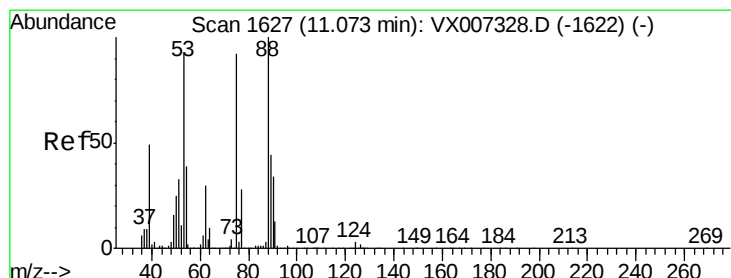
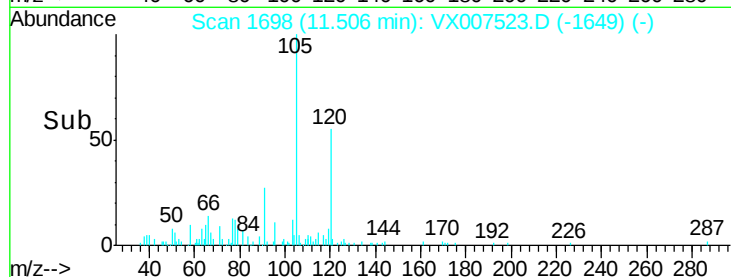
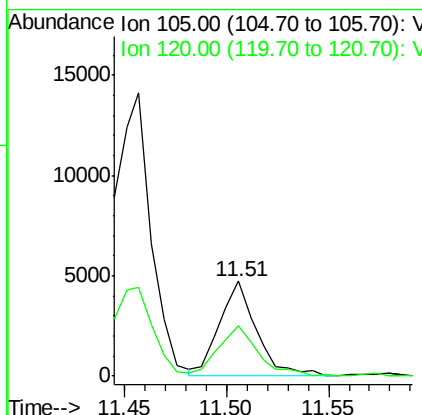
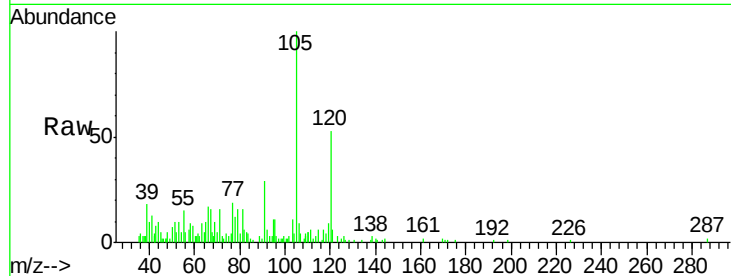




#80
 1,3,5-Trimethylbenzene
 Concen: 0.282 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

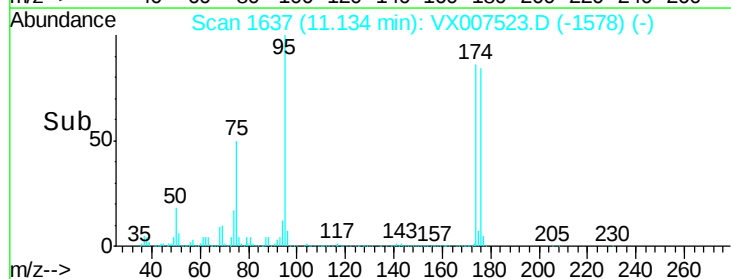
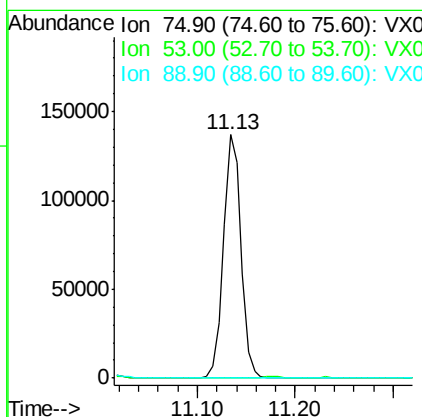
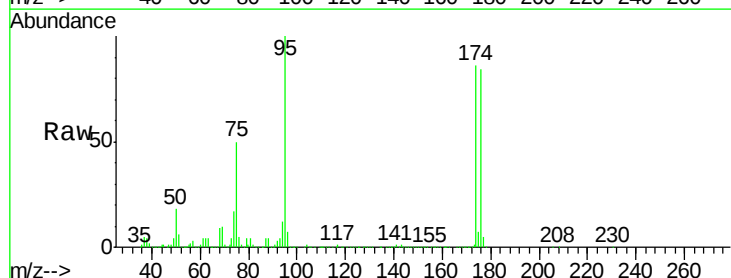
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20190207

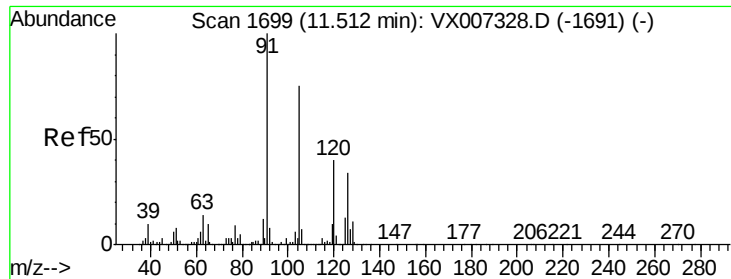
Tot Ion:105 Resp: 5968
 Ion Ratio Lower Upper
 105 100
 120 57.5 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.307 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Tgt Ion: 75 Resp: 170227
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.6#
 89 0.1 41.4 62.0#





#82

4-Chlorotoluene

Concen: 11.591 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

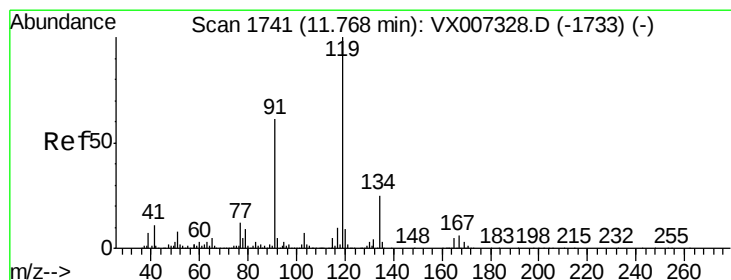
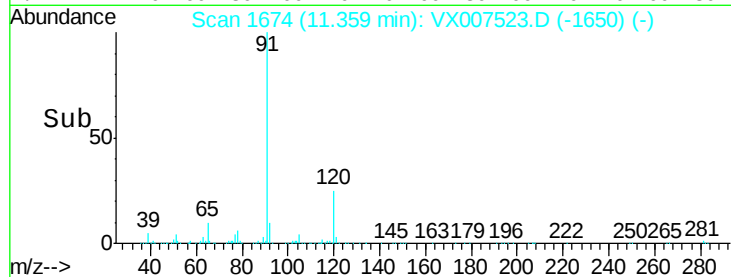
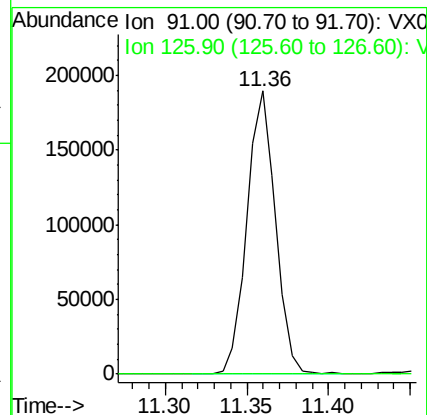
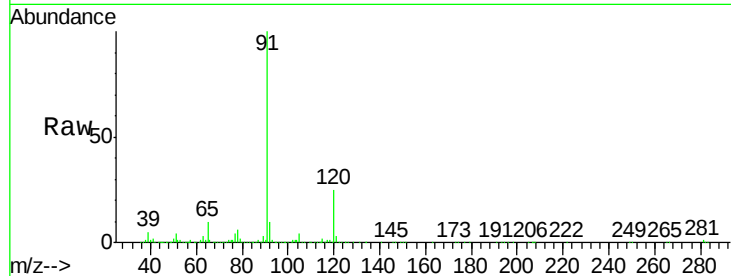
MW-1-20190207

Tot Ion: 91 Resp: 230743

Ion Ratio Lower Upper

91 100

126 0.2 16.2 48.5#



#83

tert-Butylbenzene

Concen: 0.715 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

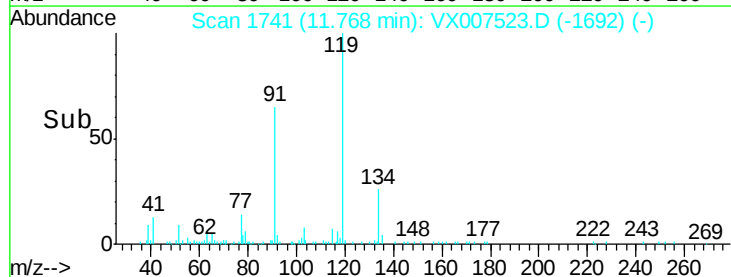
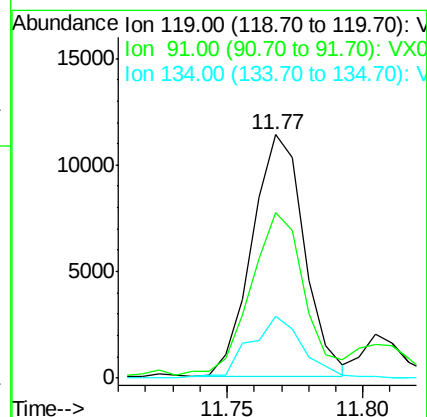
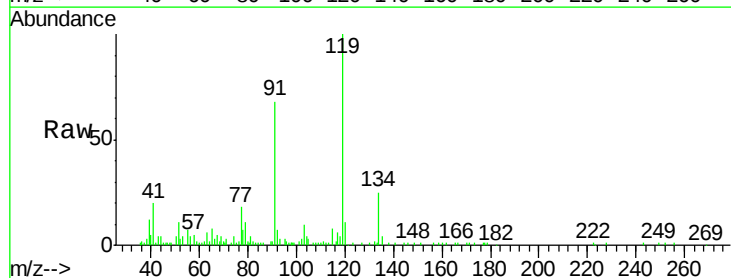
Tgt Ion: 119 Resp: 14984

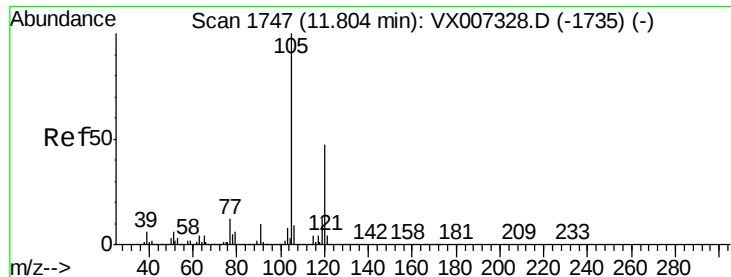
Ion Ratio Lower Upper

119 100

91 69.5 28.5 85.6

134 26.4 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 0.819 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

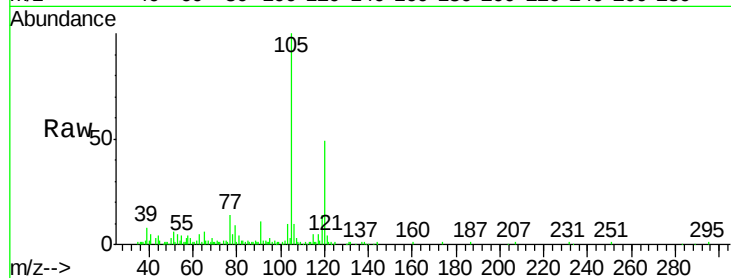
MW-1-20190207

Tot Ion:105 Resp: 17594

Ion Ratio Lower Upper

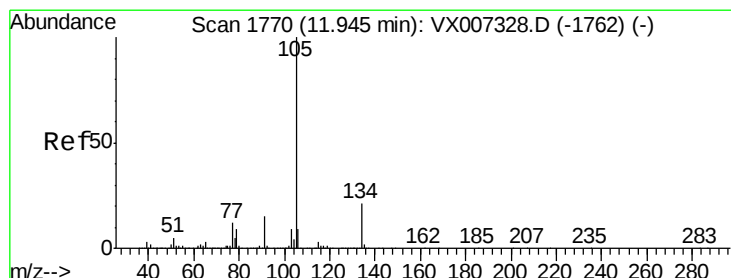
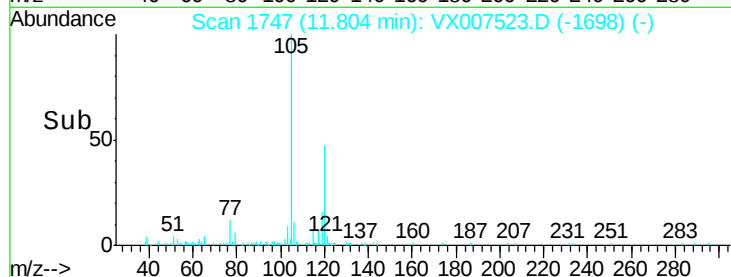
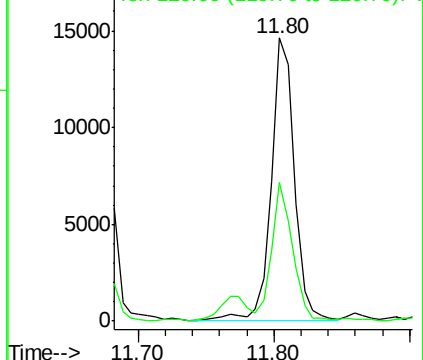
105 100

120 42.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 5.985 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007523.D

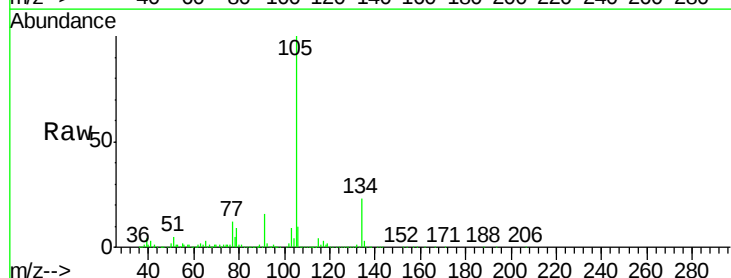
Acq: 13 Feb 2019 16:30

Tgt Ion:105 Resp: 151724

Ion Ratio Lower Upper

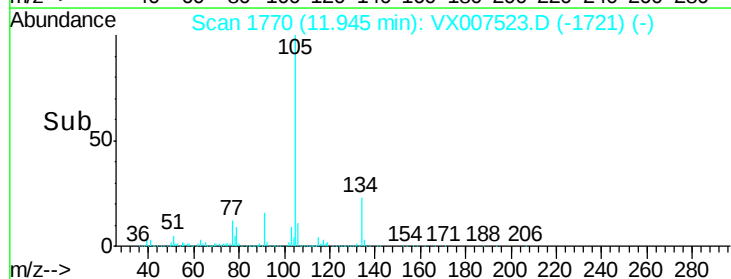
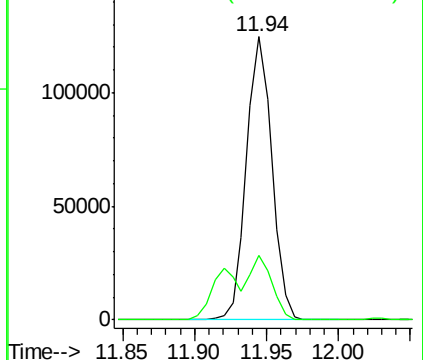
105 100

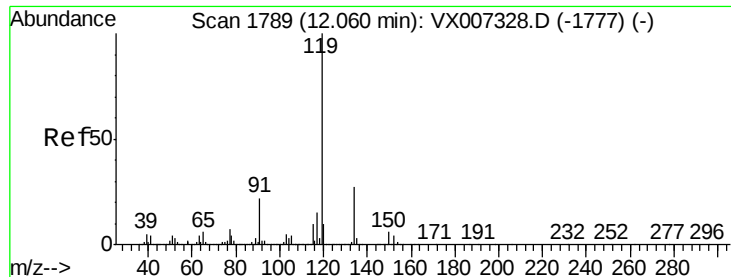
134 20.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

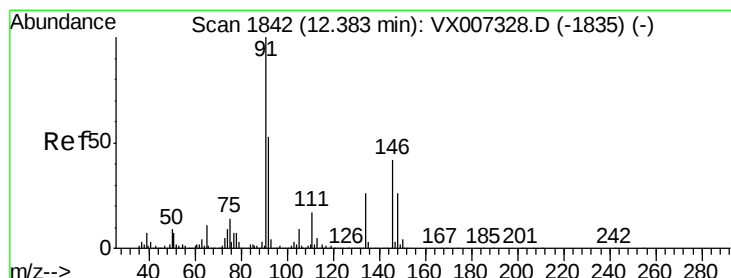
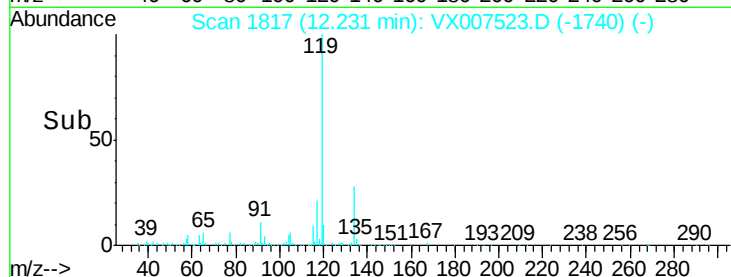
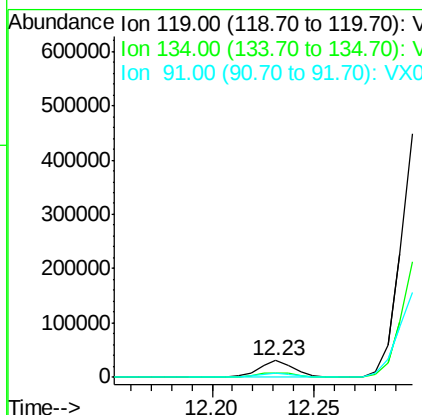
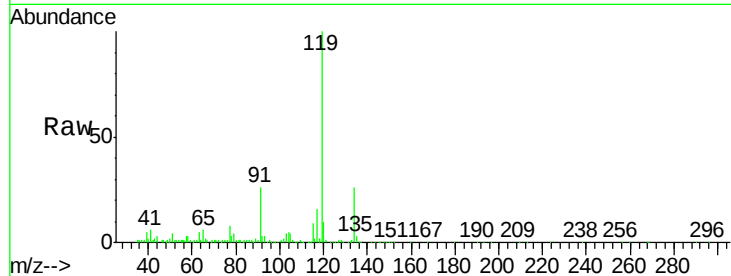




#86
p-Isopropyltoluene
Concen: 1.596 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

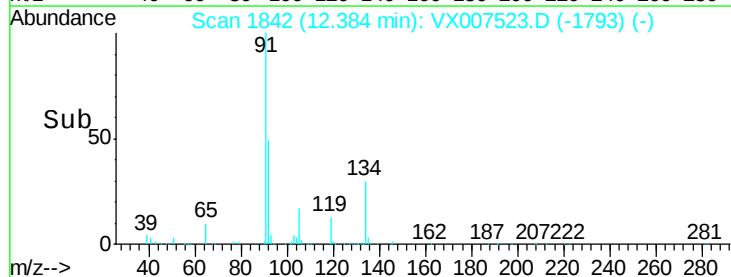
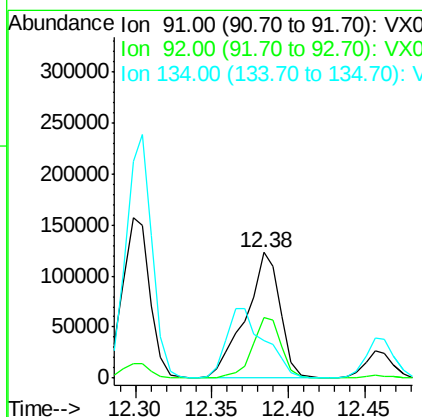
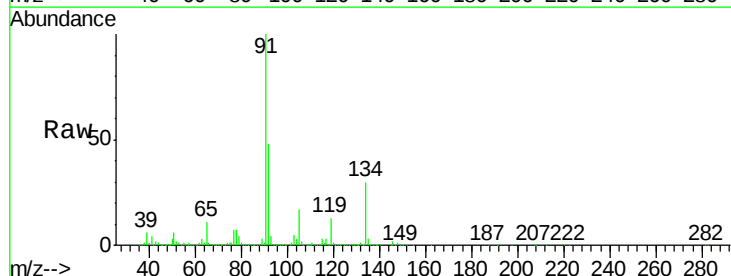
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

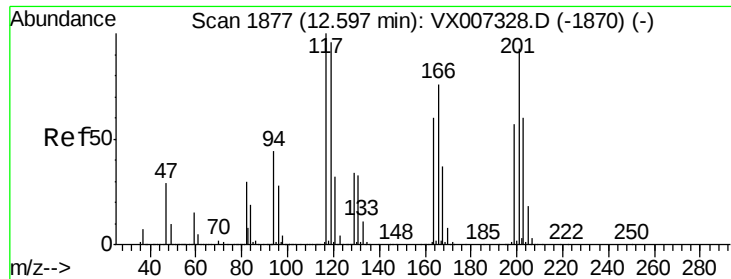
Tot Ion:119 Resp: 36530
Ion Ratio Lower Upper
119 100
134 29.6 13.7 41.1
91 24.6 11.2 33.5



#89
n-Butylbenzene
Concen: 9.771 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 91 Resp: 192328
Ion Ratio Lower Upper
91 100
92 40.1 26.3 78.9
134 61.5 13.9 41.6#





#90

Hexachloroethane

Concen: 59.704 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

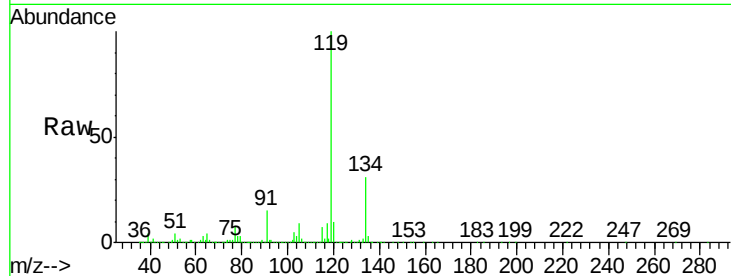
MW-1-20190207

Tot Ion:117 Resp: 204464

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

250000

200000

150000

100000

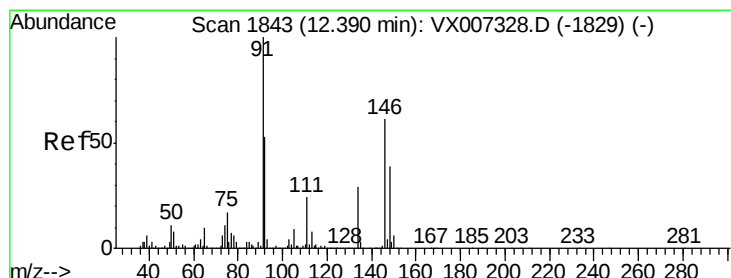
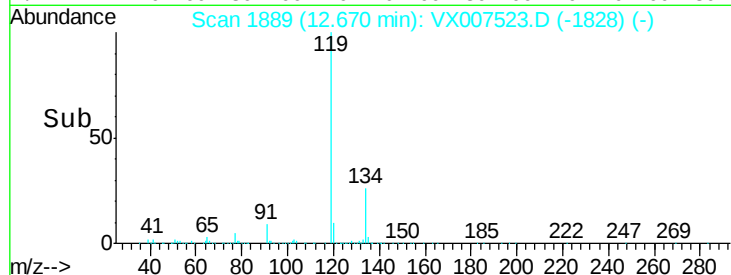
50000

0

12.65

12.70

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.269 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

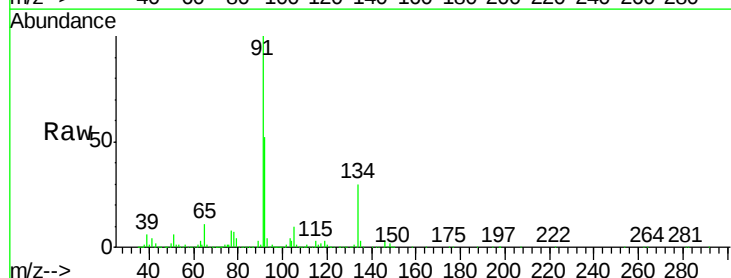
Tgt Ion:146 Resp: 3496

Ion Ratio Lower Upper

146 100

111 52.3 19.1 57.3

148 64.0 32.1 96.3



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

4000

3000

2000

1000

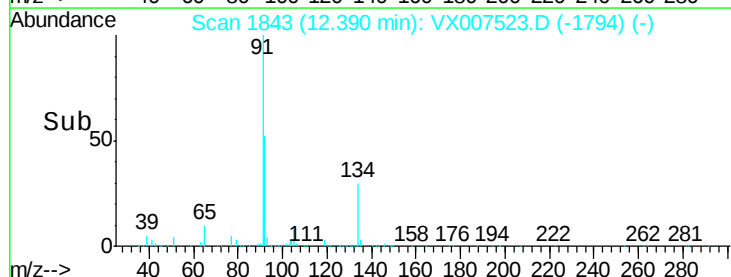
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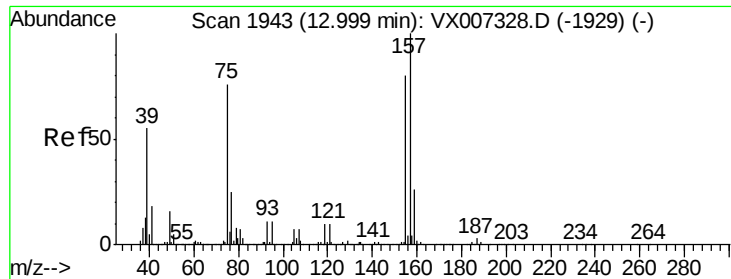
12.35

12.40

12.45

Time-->

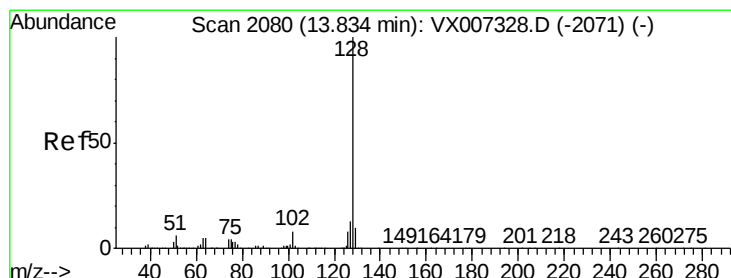
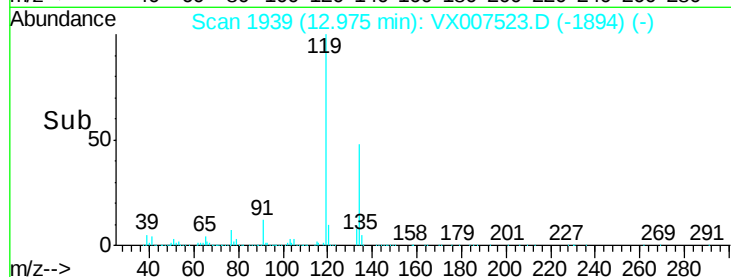
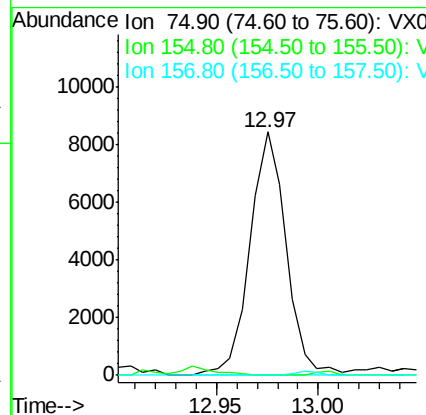
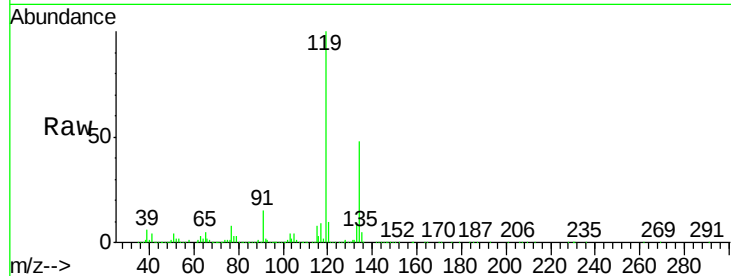




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.358 ug/l
 RT: 12.97 min Scan# 1939
 Delta R.T. -0.02 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20190207

Tot Ion: 75 Resp: 10417
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.6 149.0#
 157 0.0 65.1 195.3#



#95
 Naphthalene
 Concen: 3.478 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Tgt Ion: 128 Resp: 89247
 Ion Ratio Lower Upper
 128 100
 127 15.1 10.5 15.7
 129 15.9 8.7 13.1#

