

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008453.D
 Acq On : 26 Mar 2019 13:43
 Operator : JC/SP
 Sample : K2088-04 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102

Quant Time: Mar 27 01:51:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133985	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	161296	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.50	113	118740	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	8.71	98	484866	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.13	95	162789	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	370	Below Cal	#	87
5) Bromomethane	1.64	94	364	1.985	ug/l #	70
6) Chloroethane	1.62	64	5659	2.534	ug/l #	61
10) Methyl Iodide	2.52	142	364	4.262	ug/l #	79
11) Tert butyl alcohol	3.04	59	324	0.421	ug/l #	72
13) Acrolein	2.26	56	2576	4.610	ug/l #	1
14) Allyl chloride	2.81	41	7570	1.289	ug/l #	25
15) Acrylonitrile	3.15	53	788	0.391	ug/l #	85
16) Acetone	2.45	43	1765	0.972	ug/l	94
17) Carbon Disulfide	2.57	76	1609	Below Cal	#	94
18) Methyl Acetate	2.77	43	1062	0.244	ug/l #	87
20) Methylene Chloride	2.86	84	782	Below Cal	#	91
21) trans-1,2-Dichloroethene	3.18	96	274	Below Cal	#	46
25) 2-Butanone	4.68	43	742	0.255	ug/l #	77
31) Cyclohexane	5.58	56	4106	0.738	ug/l	96
36) 1,1-Dichloropropene	5.66	75	19912	4.863	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22960	6.719	ug/l #	15
39) Methylcyclohexane	7.46	83	2290	0.468	ug/l	90
40) Benzene	6.14	78	516380	42.124	ug/l	100
49) 1,4-Dioxane	7.77	88	38	0.450	ug/l #	58
51) 4-Methyl-2-Pentanone	8.71	43	2403	0.436	ug/l #	1
52) Toluene	8.79	92	1013914	138.330	ug/l	99
53) t-1,3-Dichloropropene	8.78	75	11720	2.747	ug/l #	1
59) 2-Hexanone	9.50	43	988	0.231	ug/l	90
61) 1,2-Dibromoethane	9.67	107	1562	0.513	ug/l	98
67) Ethyl Benzene	10.25	91	112457	8.372	ug/l	99
68) m/p-Xylenes	10.35	106	178135	36.453	ug/l	100
69) o-Xylene	10.69	106	81506	17.187	ug/l	99
70) Styrene	10.69	104	4624	0.564	ug/l #	1
73) Isopropylbenzene	11.02	105	4595	0.422	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	83195	20.886	ug/l #	34
78) n-propylbenzene	11.36	91	12322	0.965	ug/l	97
79) 2-Chlorotoluene	11.43	91	9145	1.177	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.51	105	21561	2.340	ug/l	98

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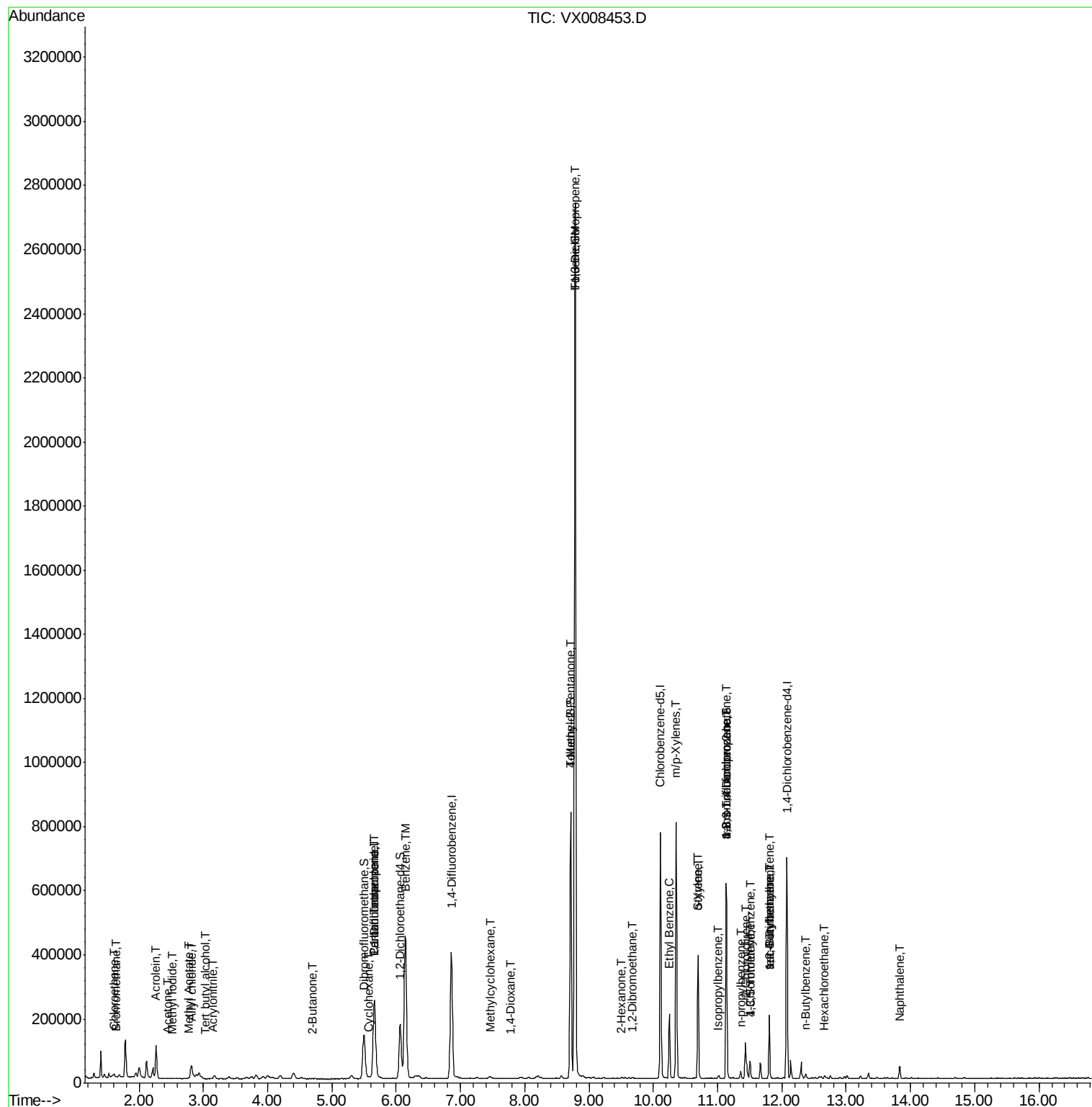
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.13	75	83195	66.895	ug/l #	9
82) 4-Chlorotoluene	11.51	91	2742	0.306	ug/l #	53
83) tert-Butylbenzene	11.80	119	9953	1.119	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.80	105	81137	8.705	ug/l	99
85) sec-Butylbenzene	11.80	105	81137	7.663	ug/l #	58
89) n-Butylbenzene	12.37	91	1876	0.212	ug/l #	34
90) Hexachloroethane	12.66	117	518	0.333	ug/l #	10
95) Naphthalene	13.83	128	22465	2.056	ug/l	98

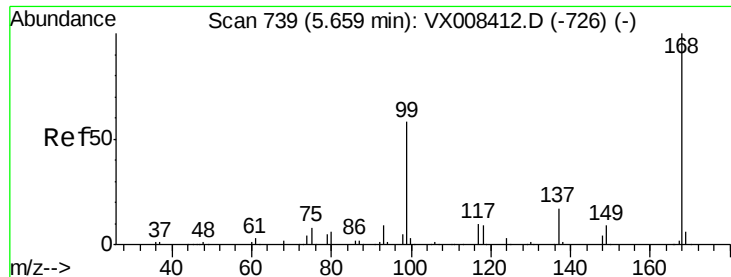
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

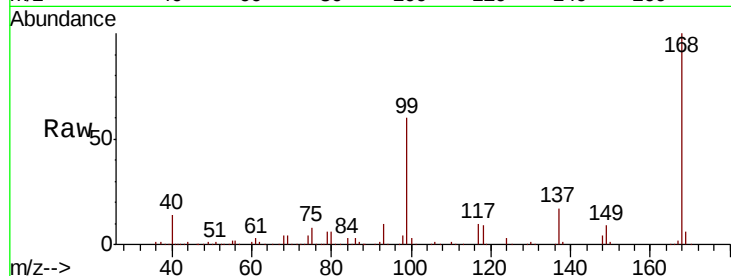
MW-102

Tot Ion:168 Resp: 229081

Ion Ratio Lower Upper

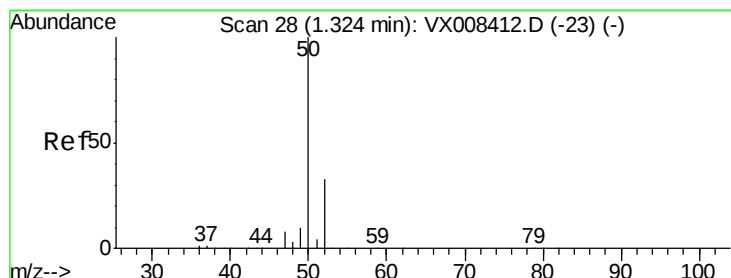
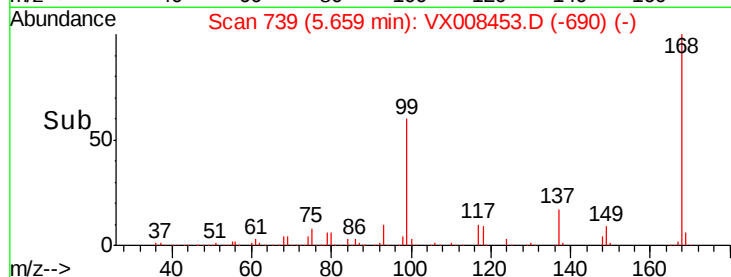
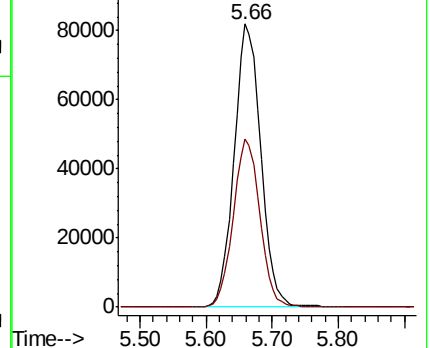
168 100

99 59.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008453.D

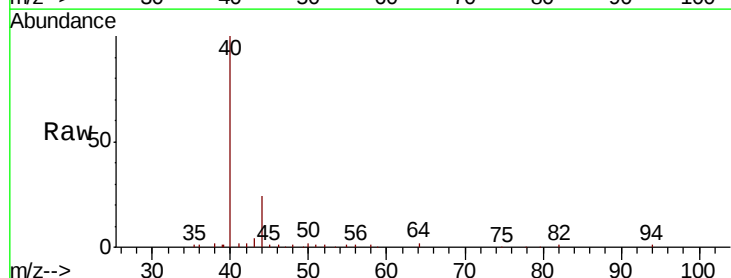
Acq: 26 Mar 2019 13:43

Tgt Ion: 50 Resp: 370

Ion Ratio Lower Upper

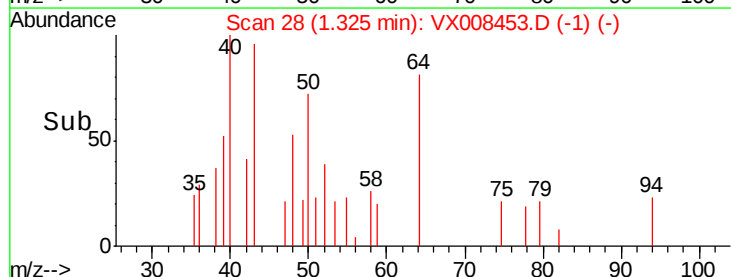
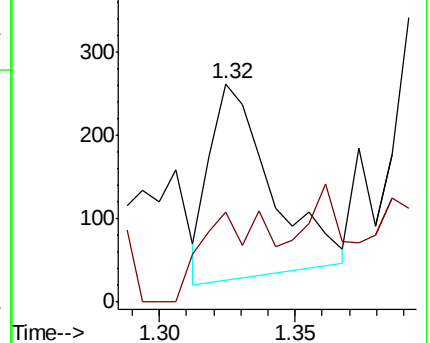
50 100

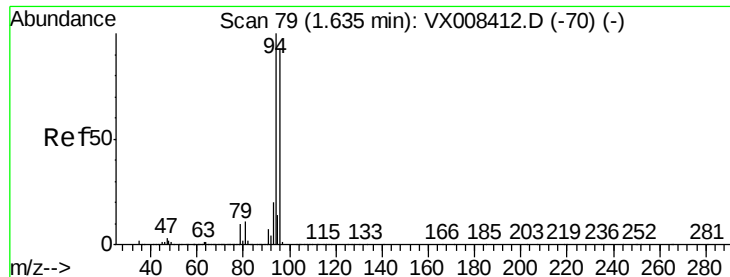
52 25.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.985 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

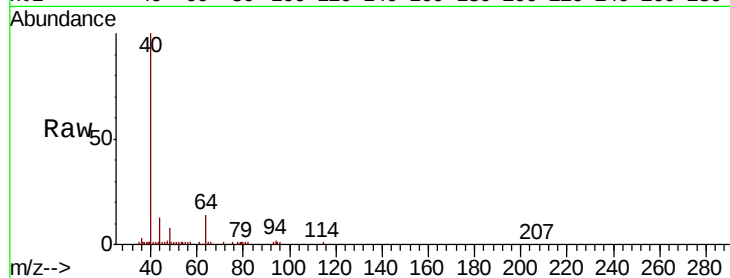
MW-102

Tot Ion: 94 Resp: 364

Ion Ratio Lower Upper

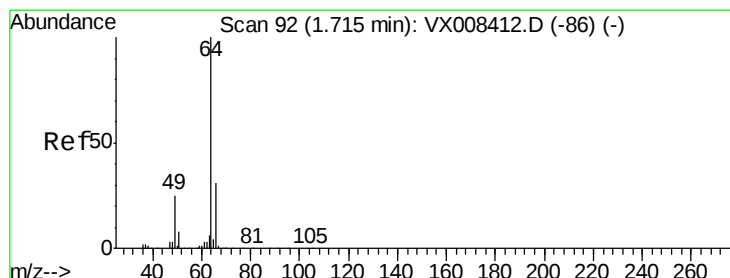
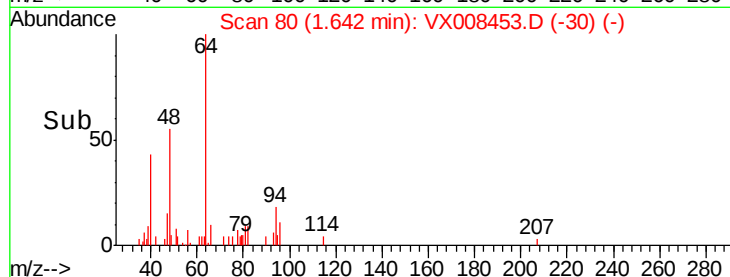
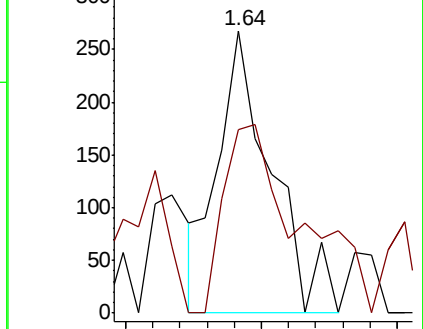
94 100

96 64.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.534 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.10 min

Lab File: VX008453.D

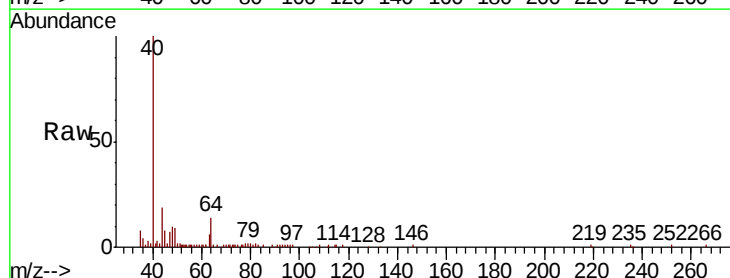
Acq: 26 Mar 2019 13:43

Tgt Ion: 64 Resp: 5659

Ion Ratio Lower Upper

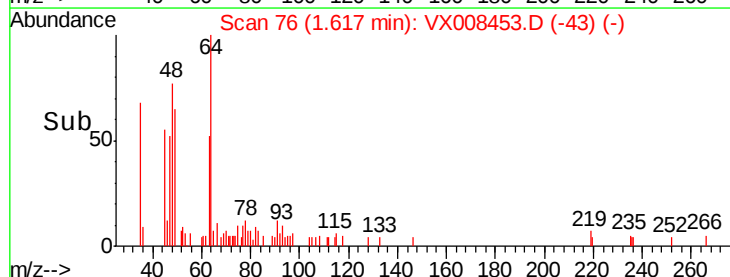
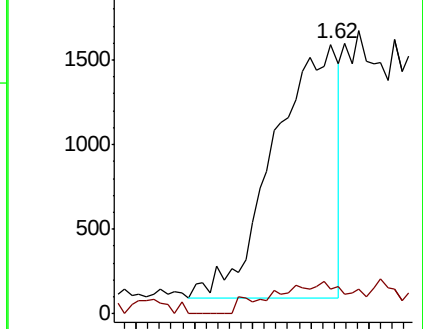
64 100

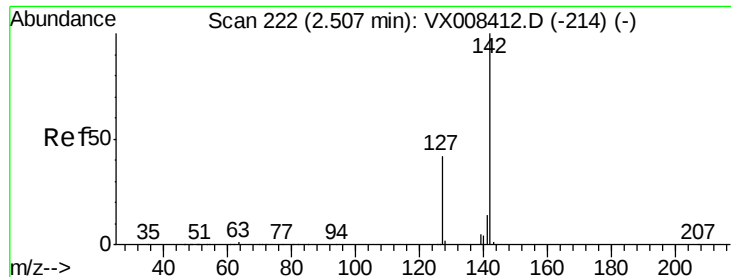
66 9.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

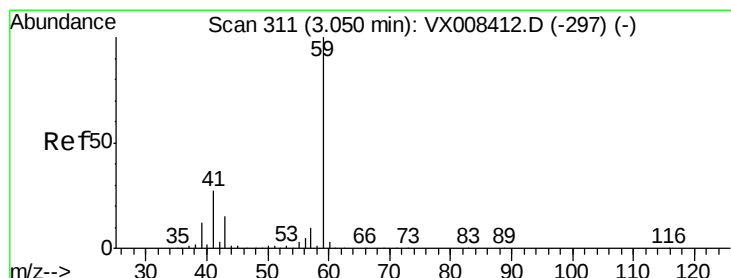
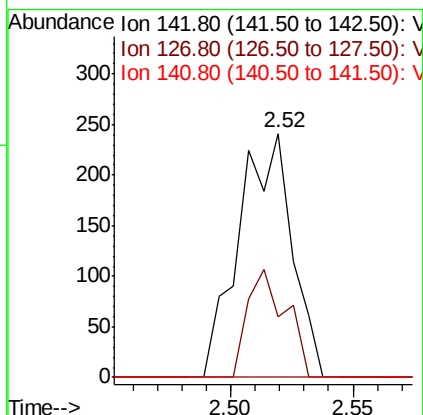
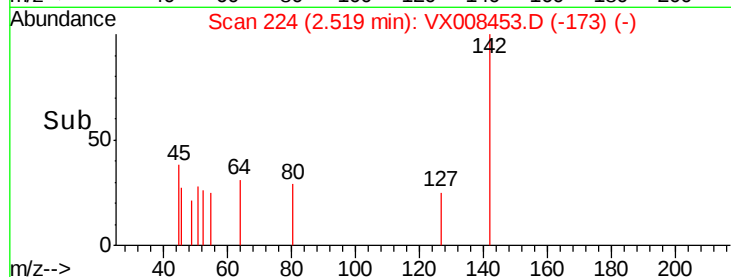
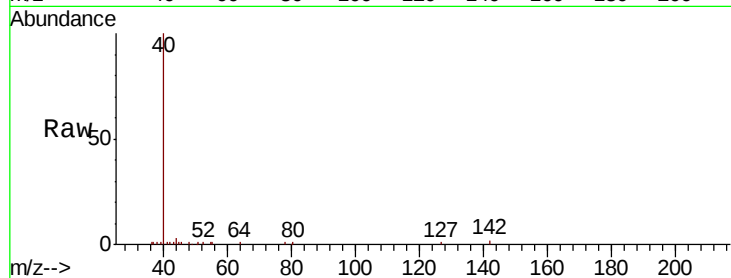




#10
Methyl Iodide
Concen: 4.262 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

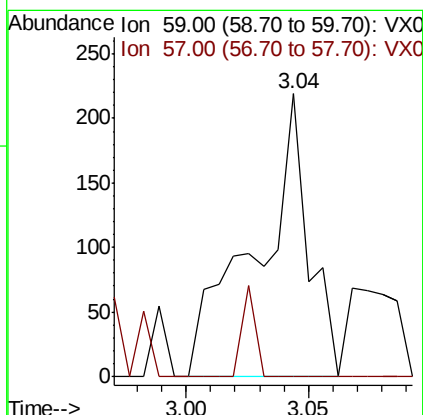
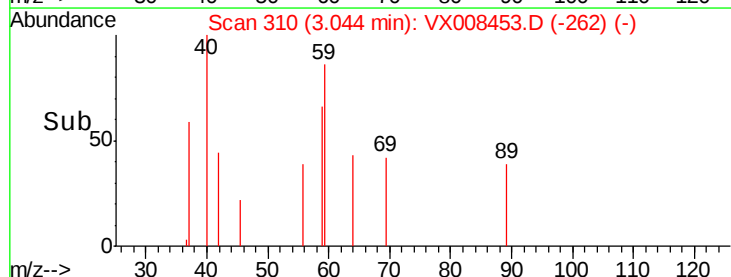
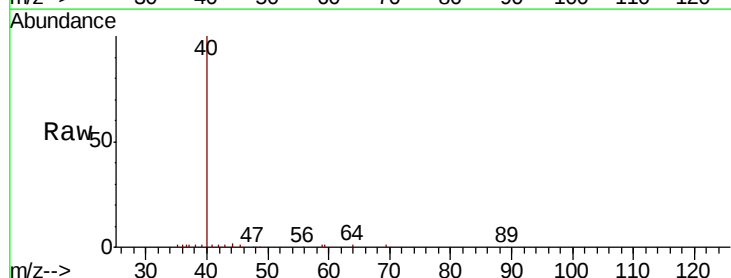
Instrument :
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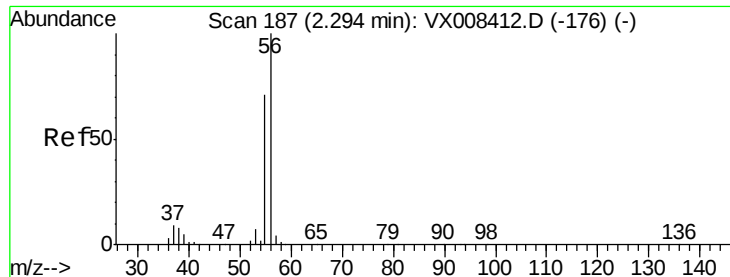
Tot Ion:142 Resp: 364
Ion Ratio Lower Upper
142 100
127 31.9 33.6 50.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.421 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 4.610 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

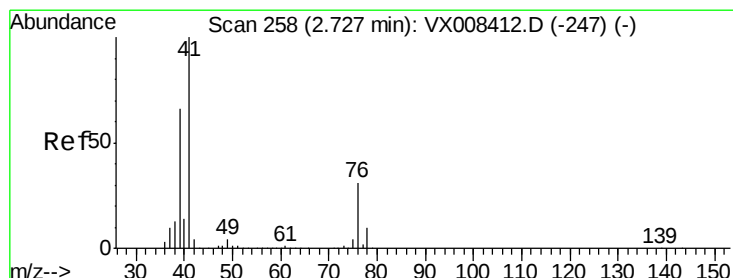
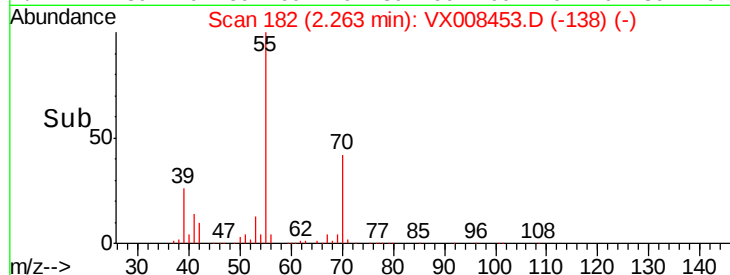
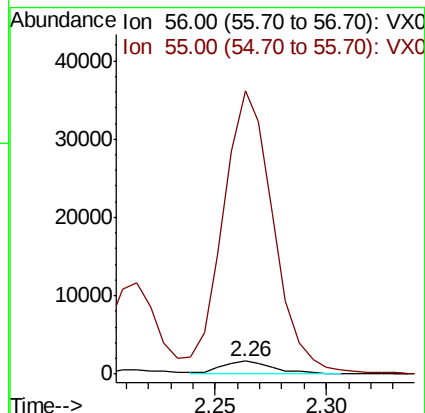
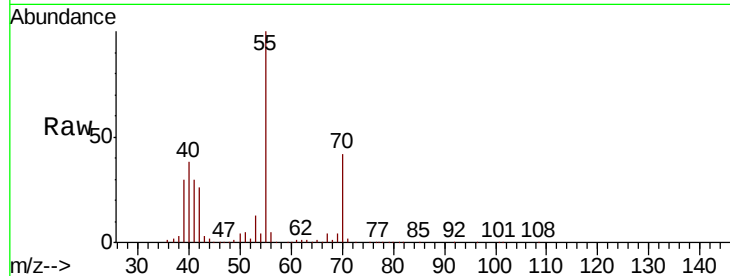
MW-102

Tot Ion: 56 Resp: 2576

Ion Ratio Lower Upper

56 100

55 2216.4 56.5 84.7#



#14

Allyl chloride

Concen: 1.289 ug/l

RT: 2.81 min Scan# 272

Delta R.T. 0.09 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

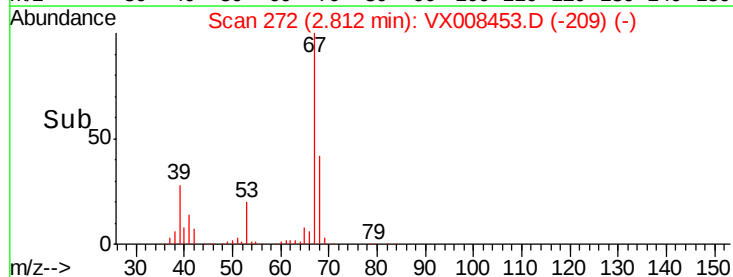
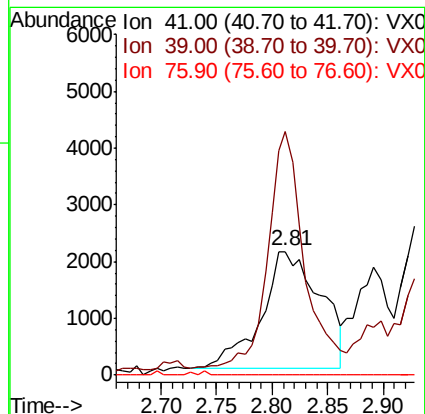
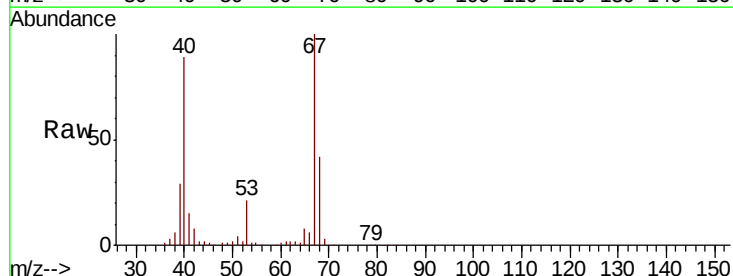
Tgt Ion: 41 Resp: 7570

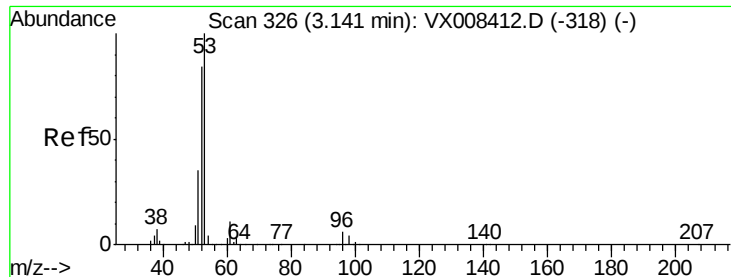
Ion Ratio Lower Upper

41 100

39 126.8 49.6 74.4#

76 0.0 22.6 34.0#





#15

Acrylonitrile

Concen: 0.391 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

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ClientSampleId :

MW-102

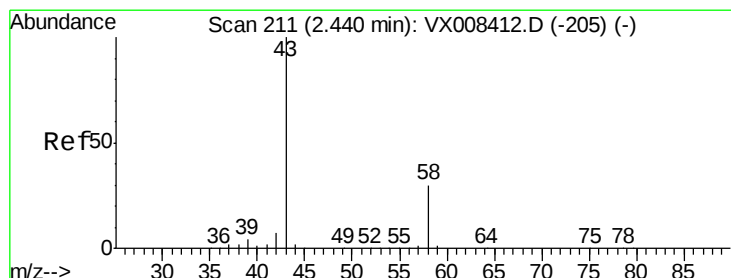
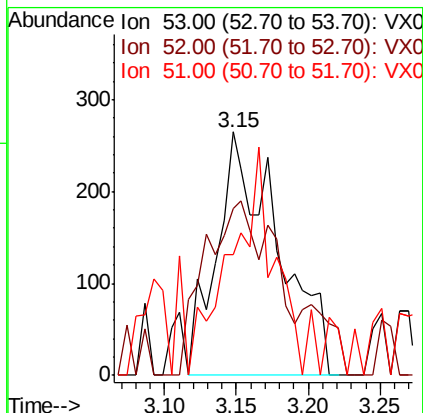
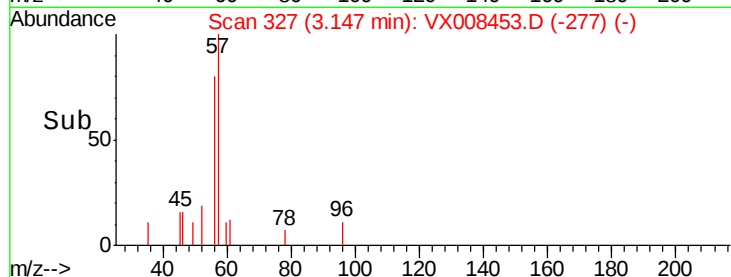
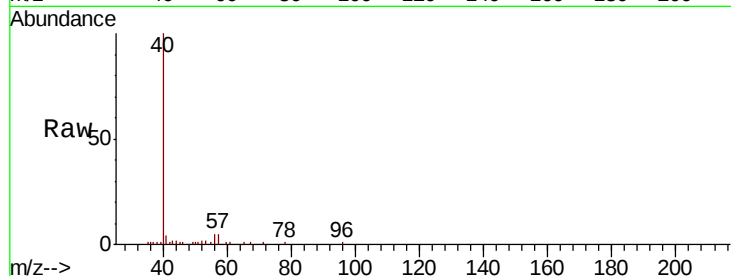
Tot Ion: 53 Resp: 788

Ion Ratio Lower Upper

53 100

52 79.6 66.5 99.7

51 59.3 28.3 42.5#



#16

Acetone

Concen: 0.972 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008453.D

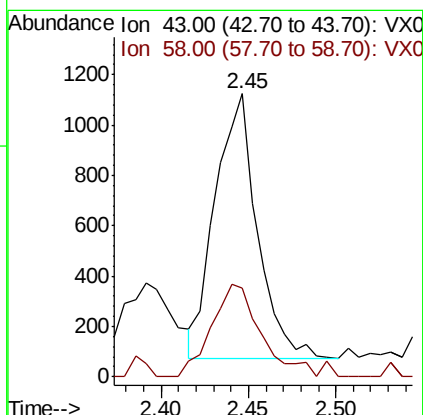
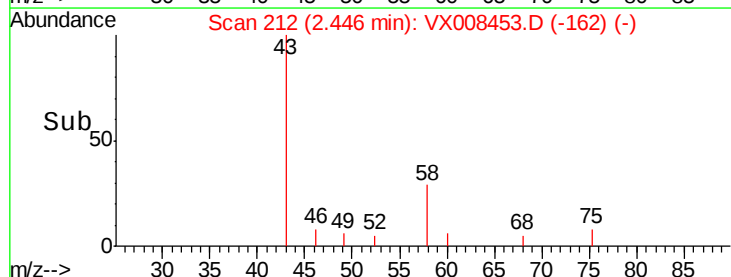
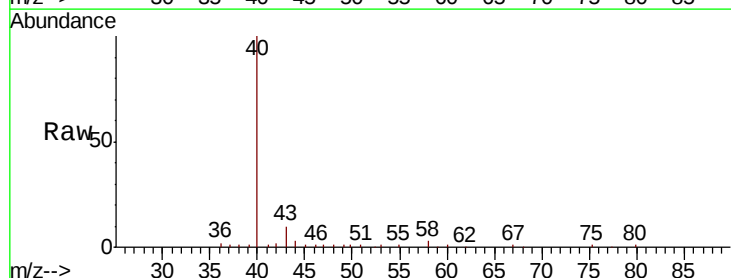
Acq: 26 Mar 2019 13:43

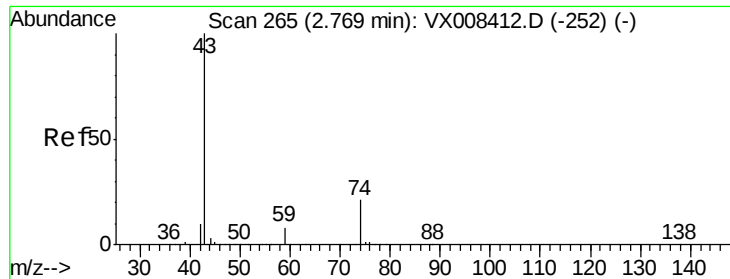
Tgt Ion: 43 Resp: 1765

Ion Ratio Lower Upper

43 100

58 33.5 24.2 36.2

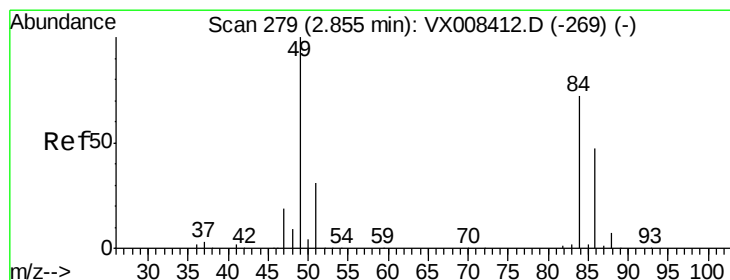
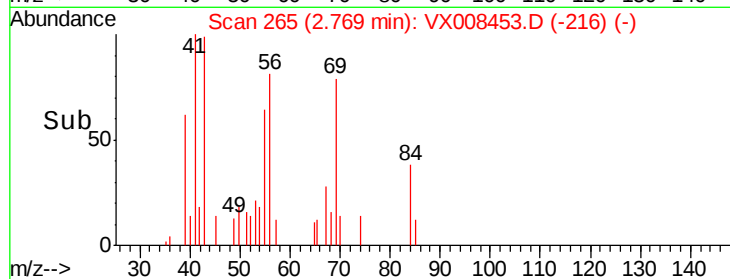
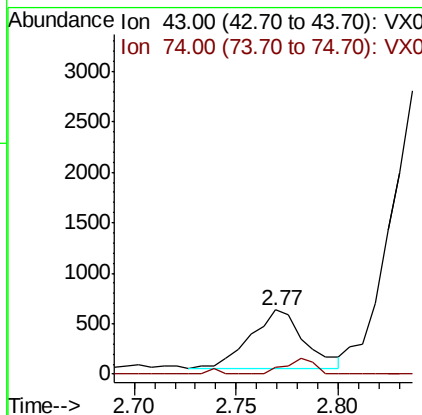
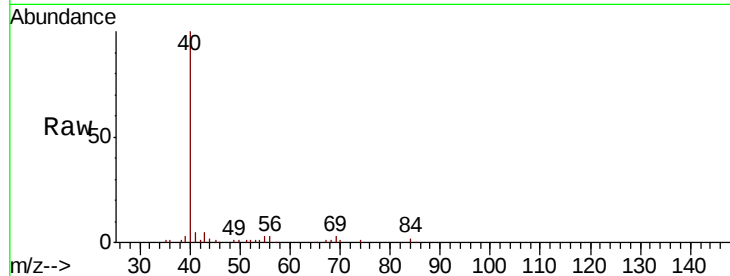




#18
Methvl Acetate
Concen: 0.244 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

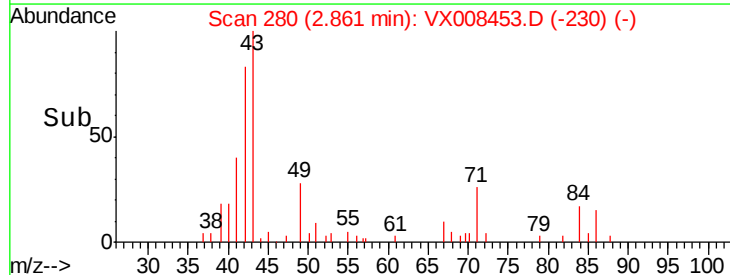
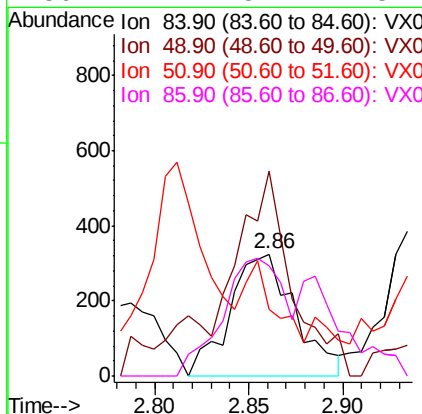
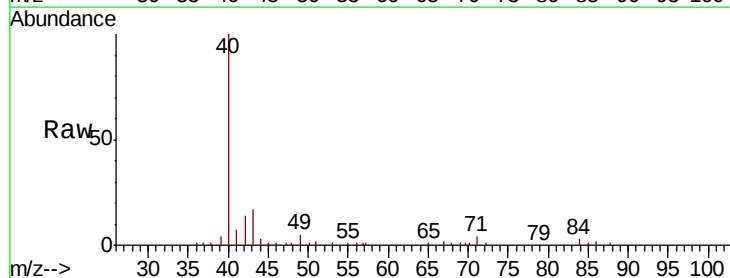
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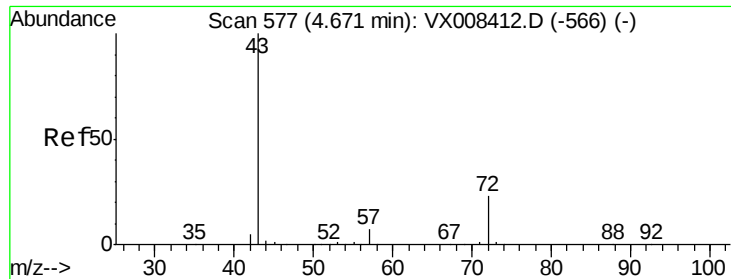
Tot Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
74 14.6 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

Tgt Ion: 84 Resp: 782
Ion Ratio Lower Upper
84 100
49 134.6 110.6 165.8
51 25.9 33.9 50.9#
86 72.2 52.2 78.2





#25

2-Butanone

Concen: 0.255 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

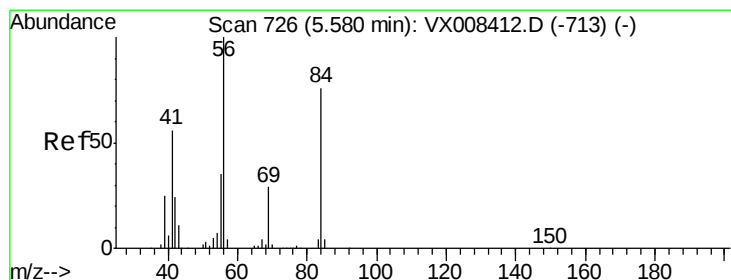
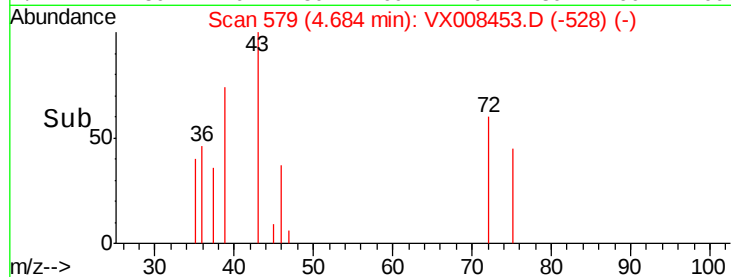
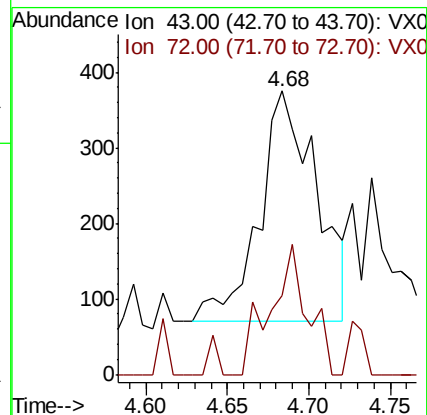
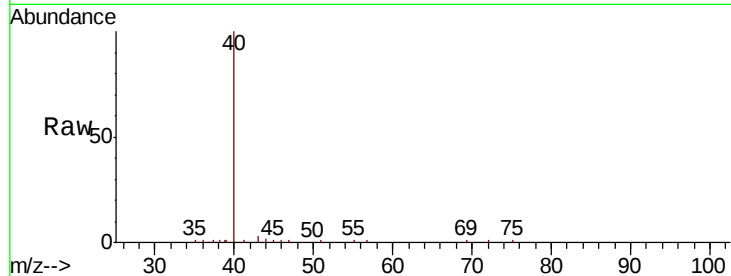
MW-102

Tot Ion: 43 Resp: 742

Ion Ratio Lower Upper

43 100

72 34.5 18.6 28.0#



#31

Cyclohexane

Concen: 0.738 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

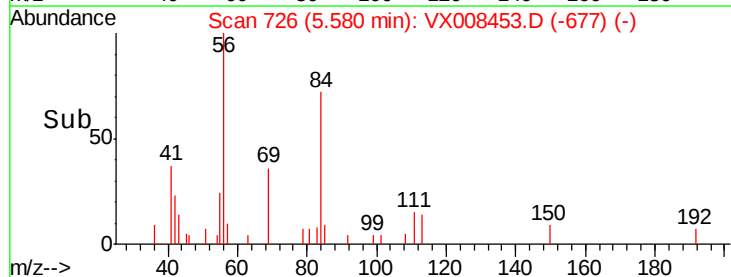
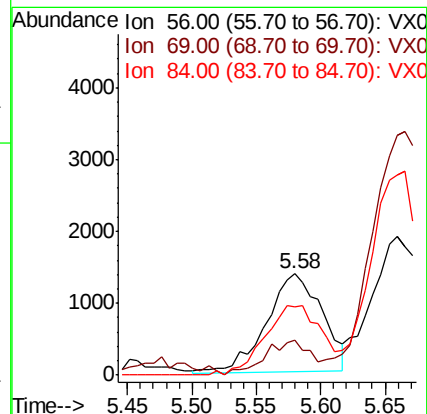
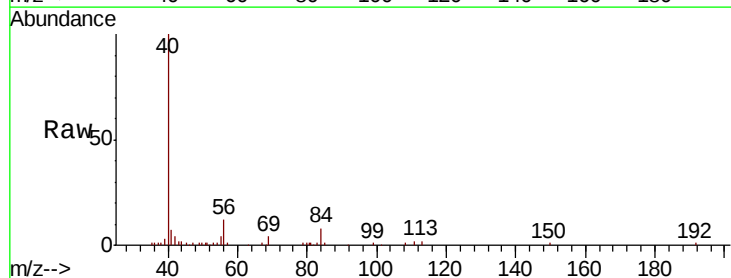
Tgt Ion: 56 Resp: 4106

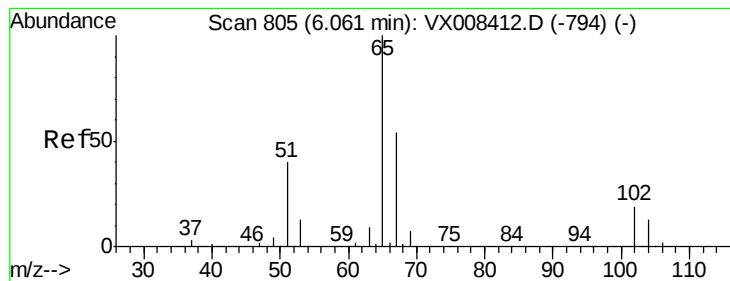
Ion Ratio Lower Upper

56 100

69 29.4 23.2 34.8

84 70.9 60.7 91.1





#33

1,2-Dichloroethane-d4

Concen: 46.444 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

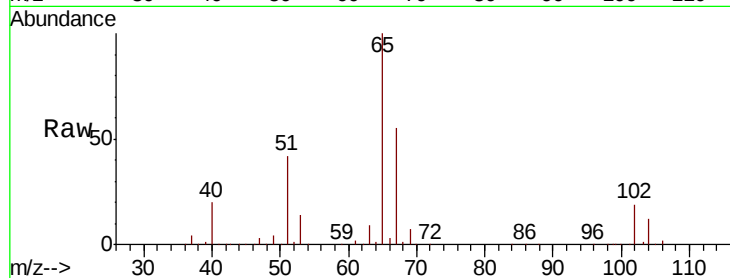
MW-102

Tot Ion: 65 Resp: 161296

Ion Ratio Lower Upper

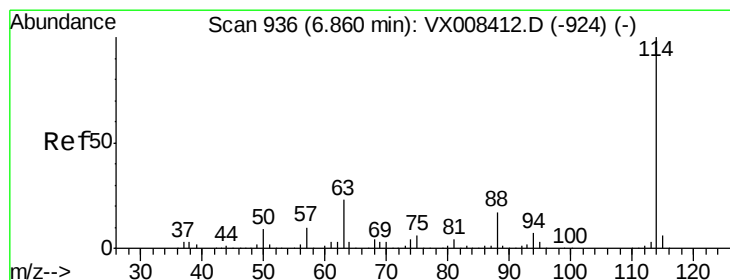
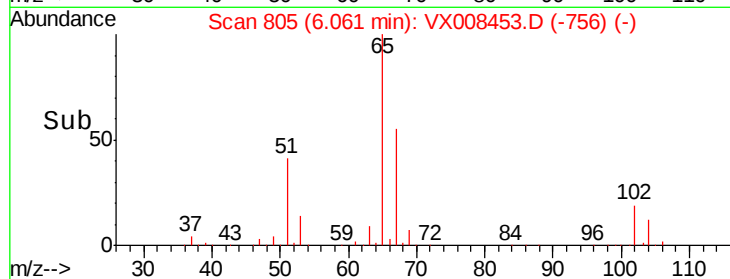
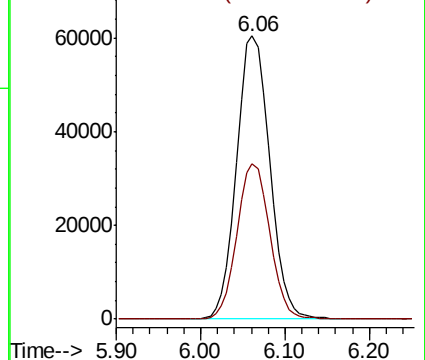
65 100

67 54.4 0.0 109.4



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: VX008453.D

Acq: 26 Mar 2019 13:43

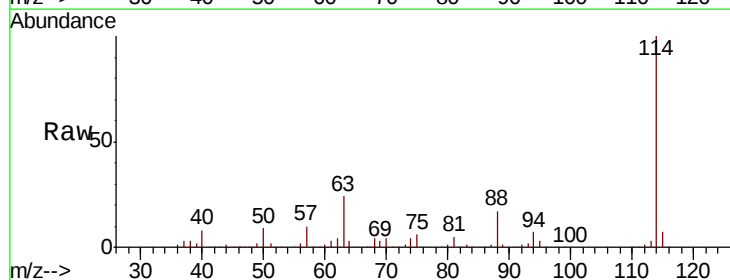
Tgt Ion: 114 Resp: 384037

Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.4

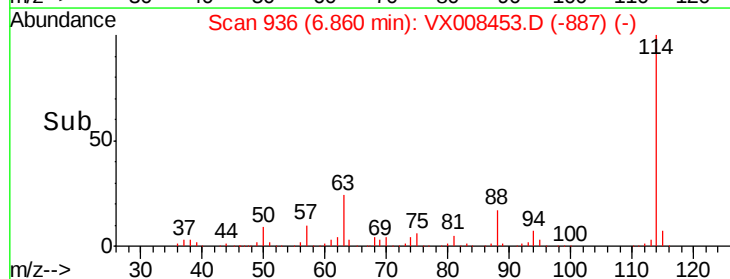
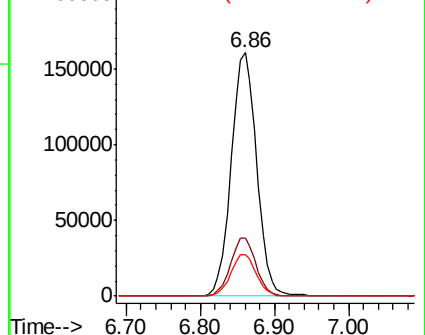
88 16.8 0.0 33.2

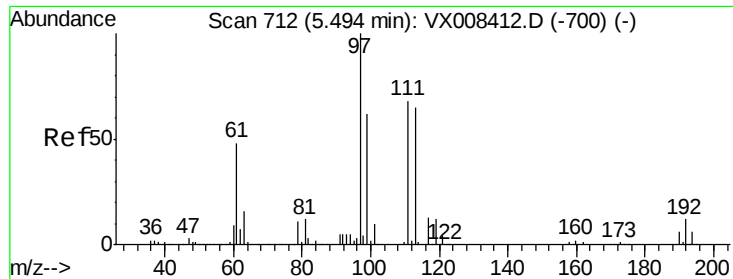


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

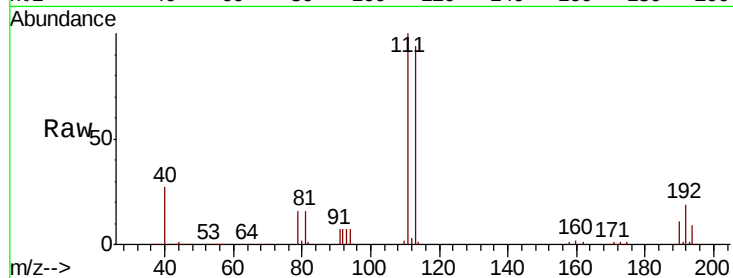




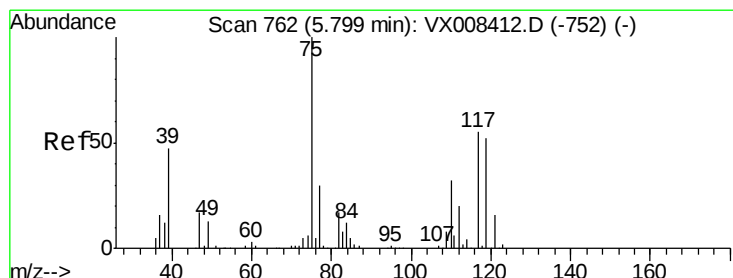
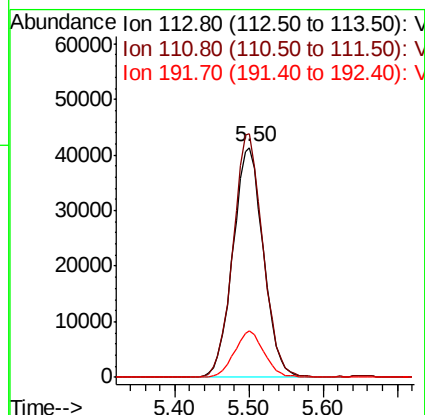
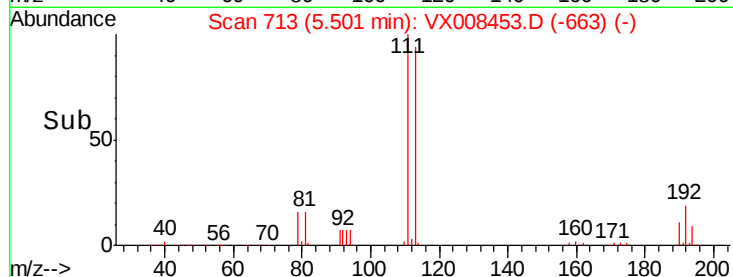
#35
 Dibromofluoromethane
 Concen: 47.418 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008453.D
 Acq: 26 Mar 2019 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102

Tot Ion:113 Resp: 118740
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.4
 192 19.6 15.6 23.4

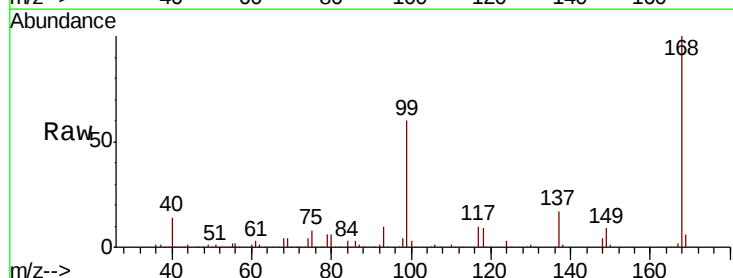


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

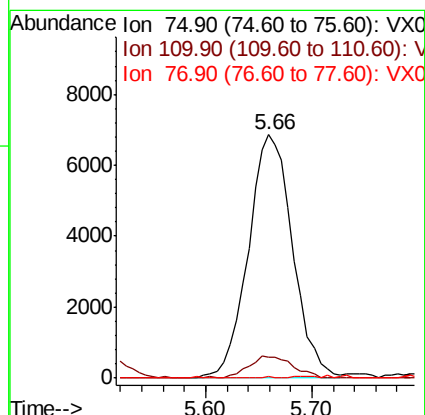
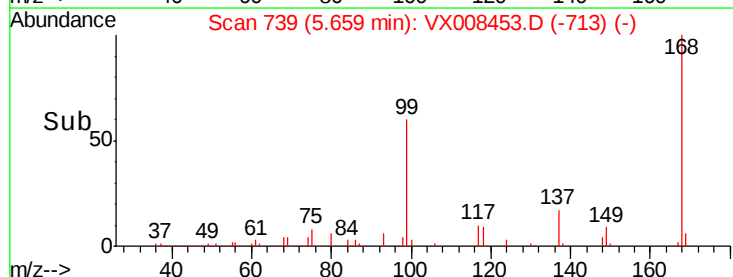


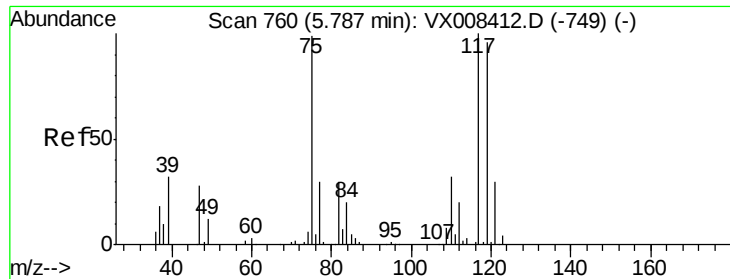
#36
 1,1-Dichloropropene
 Concen: 4.863 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008453.D
 Acq: 26 Mar 2019 13:43

Tgt Ion: 75 Resp: 19912
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.7#
 77 0.0 24.2 36.2#



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: 6.719 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

MW-102

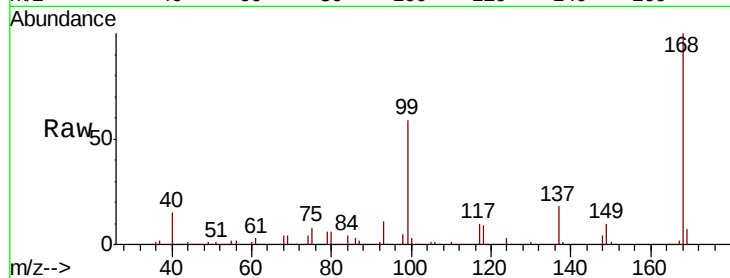
Tot Ion:117 Resp: 22960

Ion Ratio Lower Upper

117 100

119 4.2 76.7 115.1#

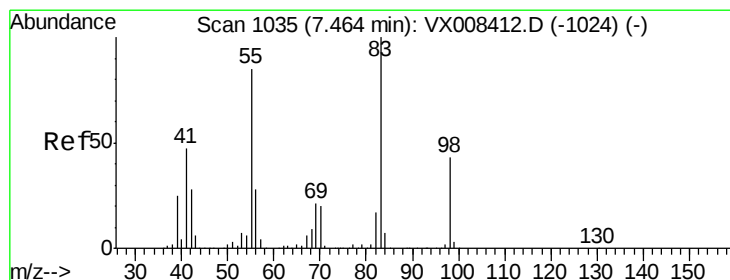
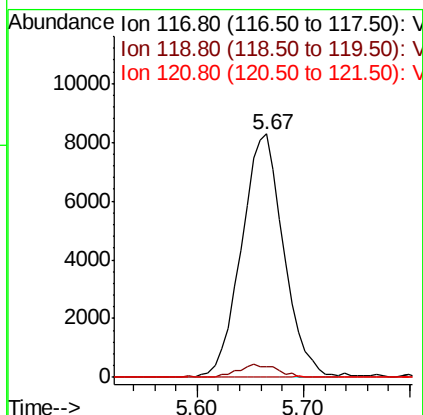
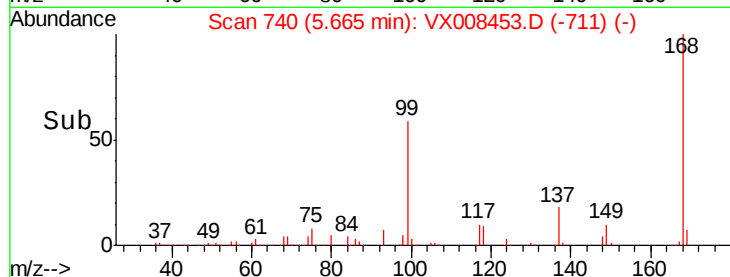
121 0.0 24.3 36.5#



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: 0.468 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

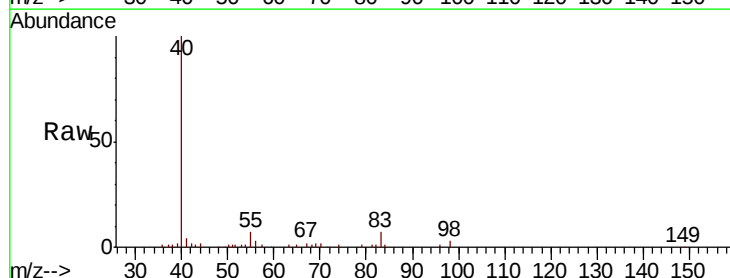
Tgt Ion: 83 Resp: 2290

Ion Ratio Lower Upper

83 100

55 98.2 68.2 102.4

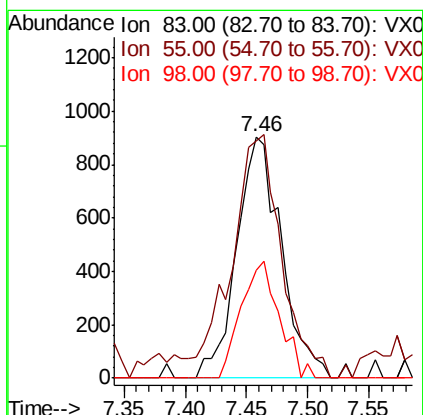
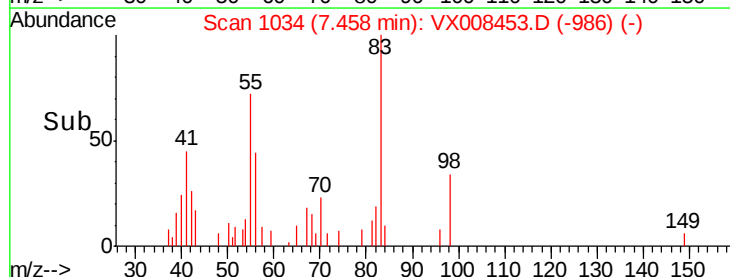
98 44.5 34.2 51.4

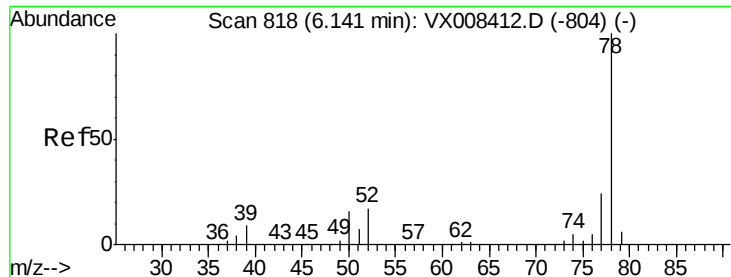


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 42.124 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

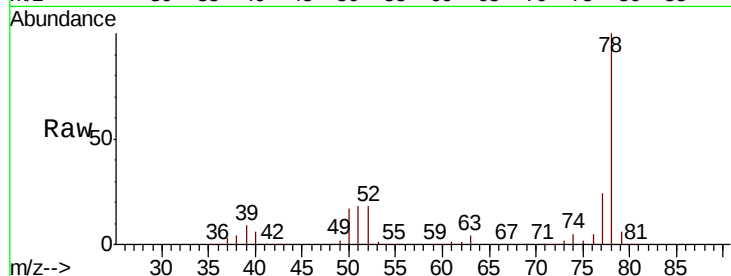
MW-102

Tot Ion: 78 Resp: 516380

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

200000

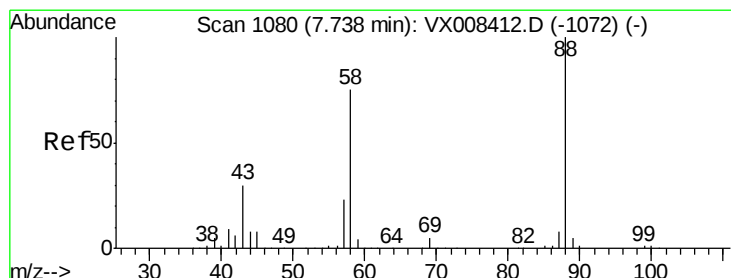
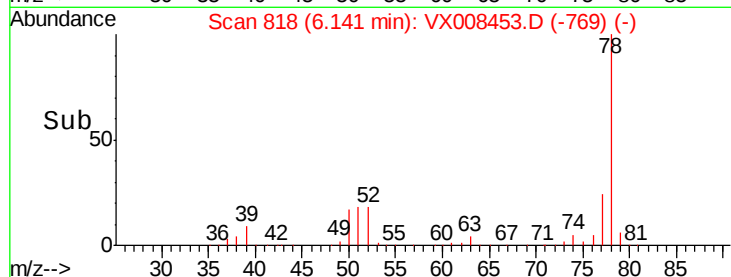
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 0.450 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.04 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

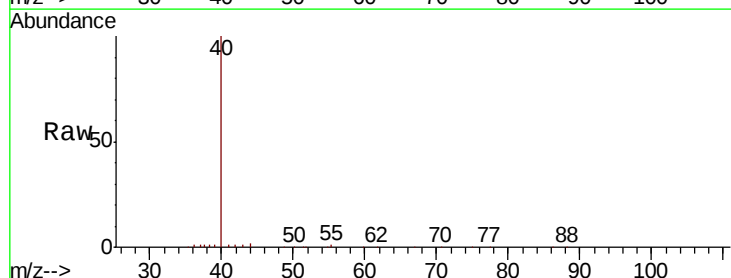
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

58 50.0 63.0 94.4#



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

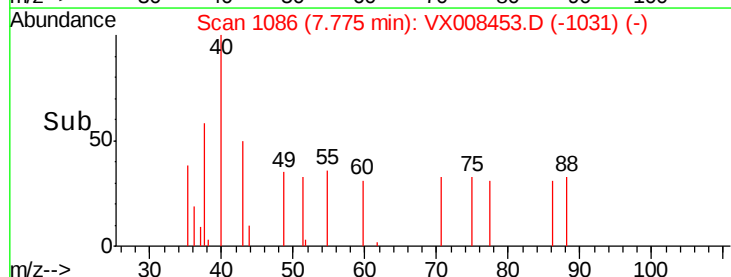
150

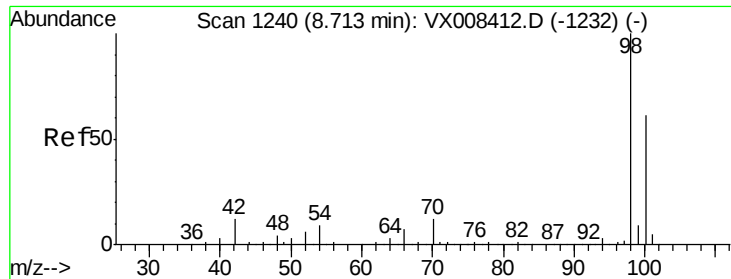
100

50

0

Time-->





#50

Toluene-d8

Concen: 48.424 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

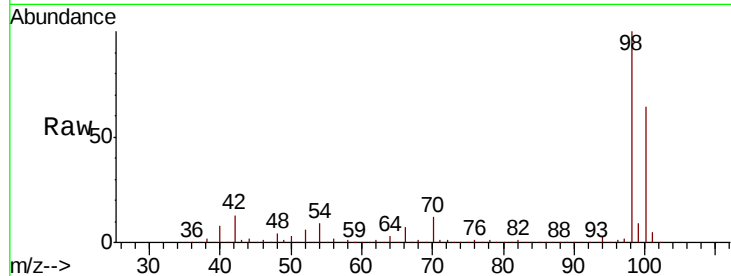
MW-102

Tot Ion: 98 Resp: 484866

Ion Ratio Lower Upper

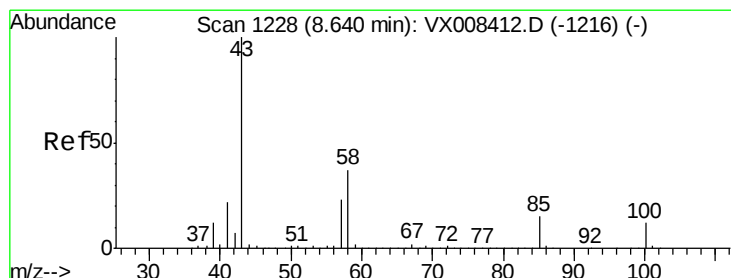
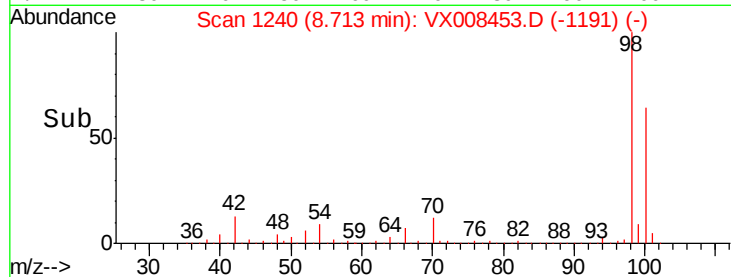
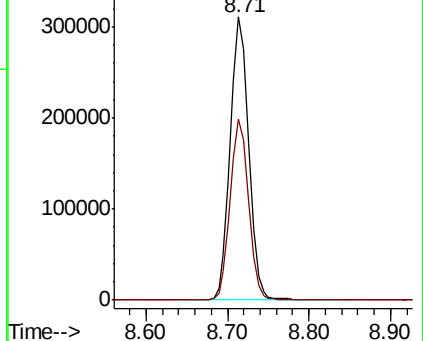
98 100

100 63.7 51.1 76.7



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: 0.436 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008453.D

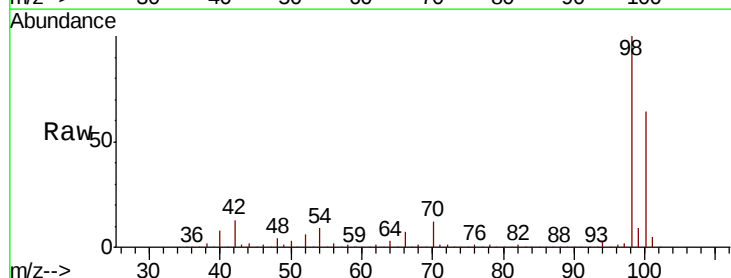
Acq: 26 Mar 2019 13:43

Tgt Ion: 43 Resp: 2403

Ion Ratio Lower Upper

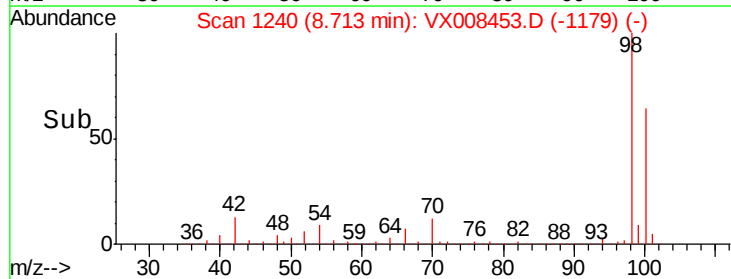
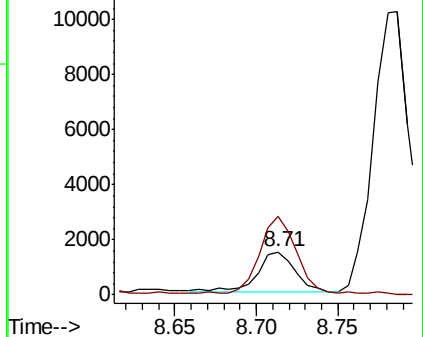
43 100

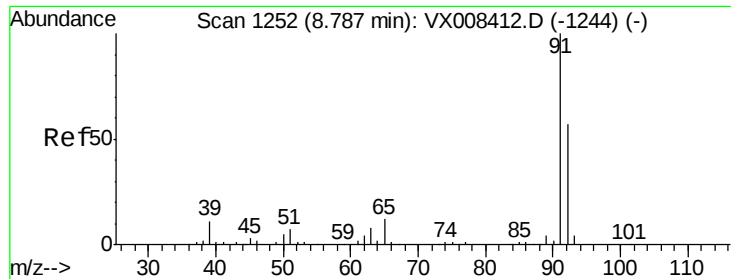
58 194.5 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 138.330 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

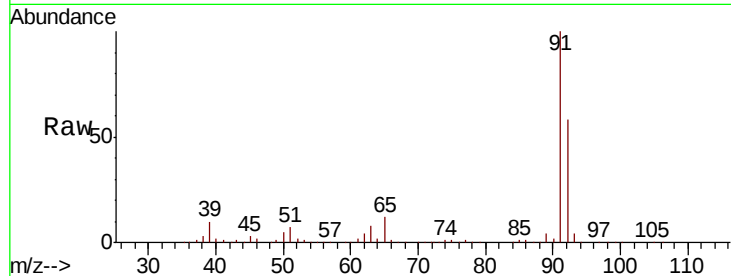
MW-102

Tot Ion: 92 Resp: 1013914

Ion Ratio Lower Upper

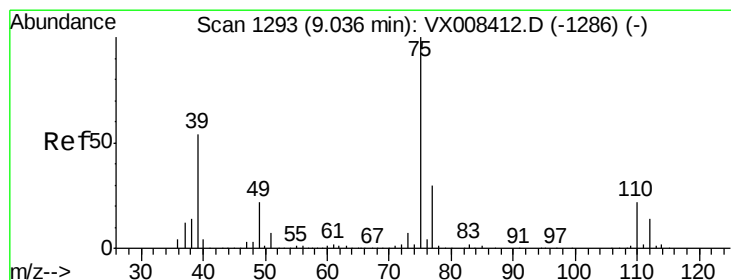
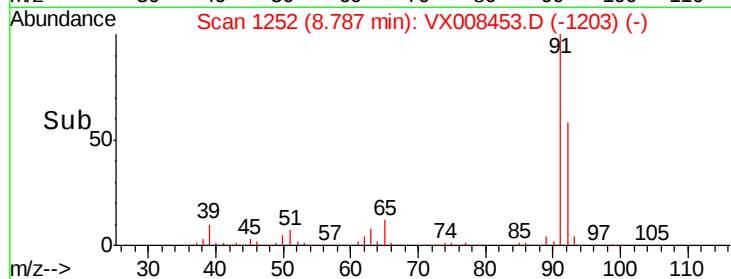
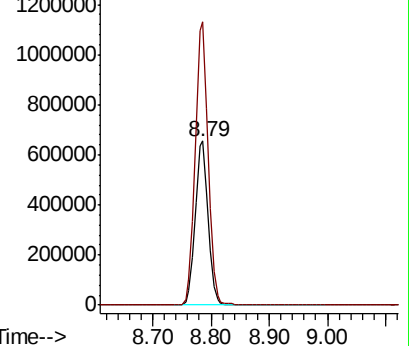
92 100

91 173.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.747 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.26 min

Lab File: VX008453.D

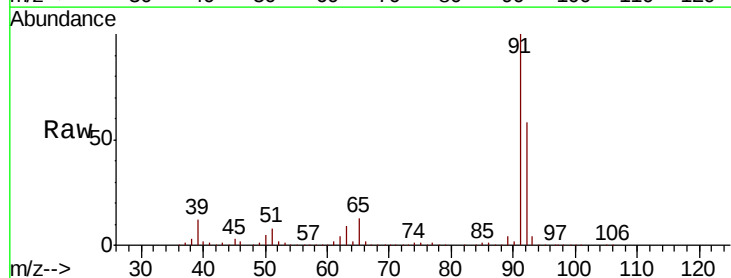
Acq: 26 Mar 2019 13:43

Tgt Ion: 75 Resp: 11720

Ion Ratio Lower Upper

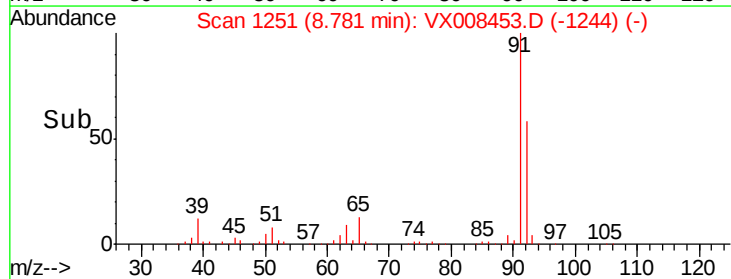
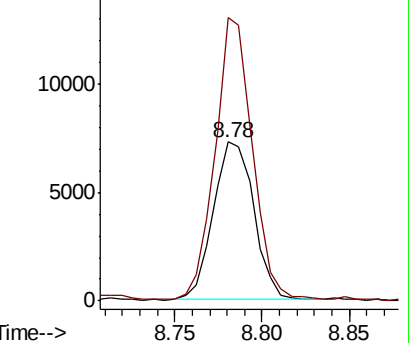
75 100

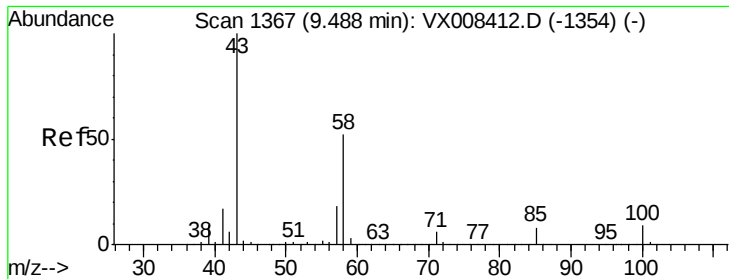
77 178.5 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

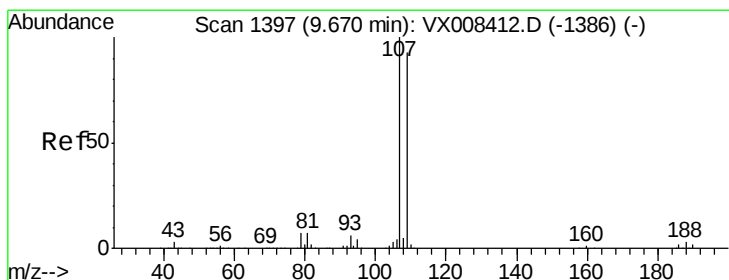
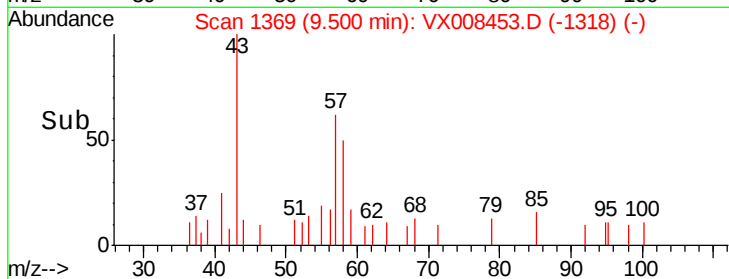
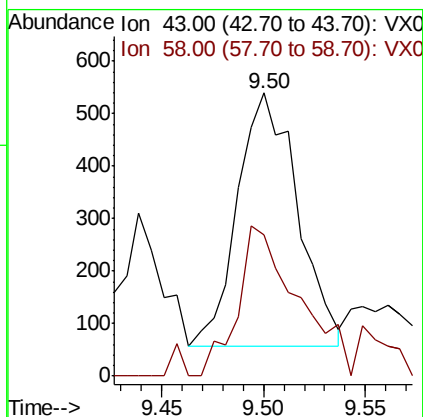
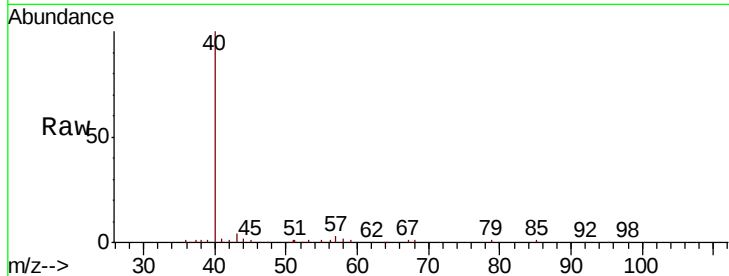




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

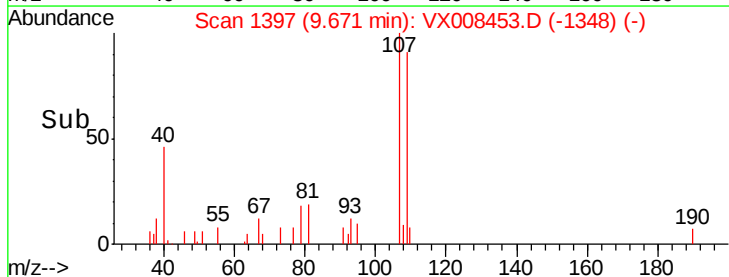
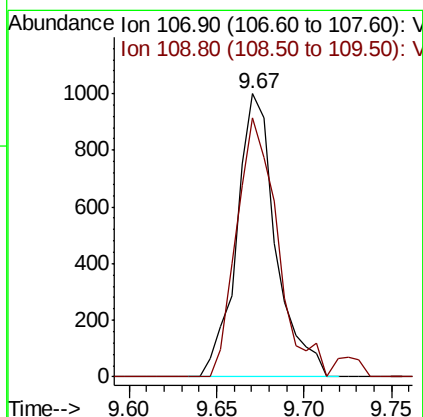
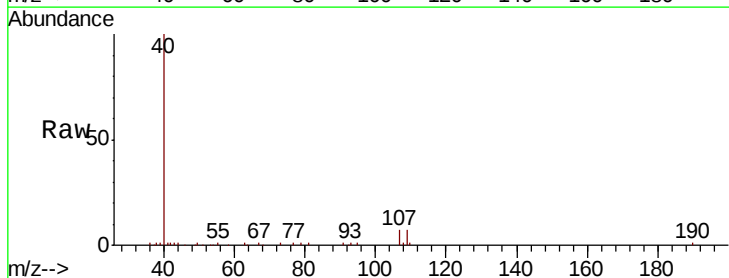
Instrument :
MSVOA_X
ClientSampled :
MW-102

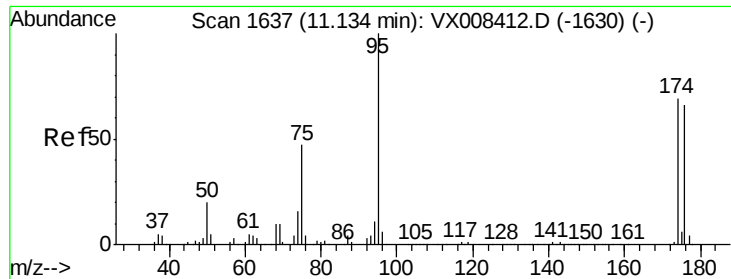
Tot Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 59.6 26.3 78.9



#61
1,2-Dibromoethane
Concen: 0.513 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

Tgt Ion: 107 Resp: 1562
Ion Ratio Lower Upper
107 100
109 95.5 74.6 111.8





#62

4-Bromofluorobenzene

Concen: 43.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

MW-102

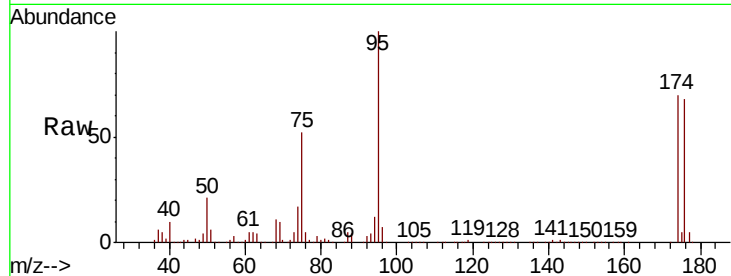
Tot Ion: 95 Resp: 162789

Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.2

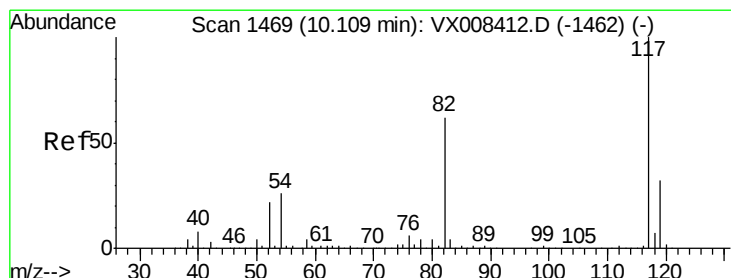
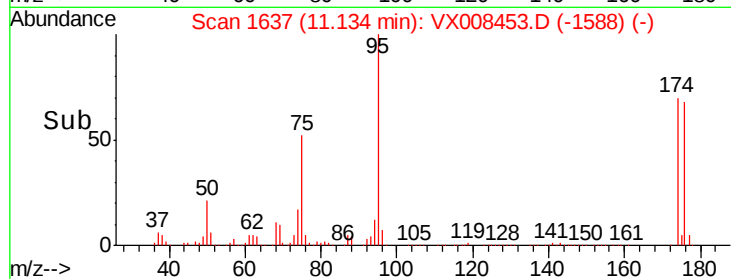
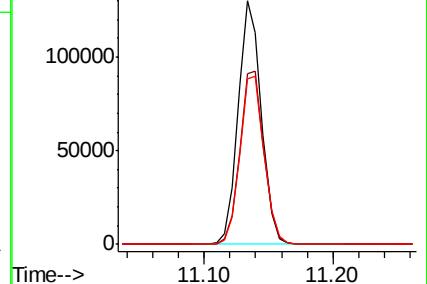
176 72.0 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008412.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008412.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008412.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

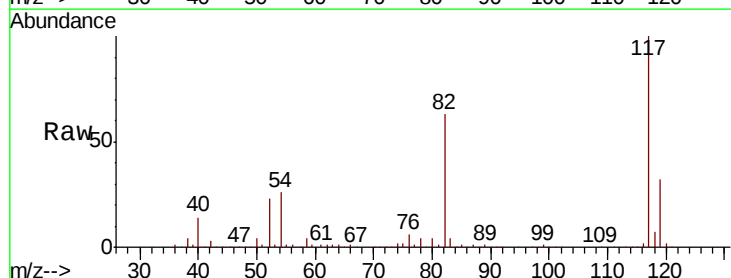
Tgt Ion: 117 Resp: 327280

Ion Ratio Lower Upper

117 100

82 62.5 49.4 74.2

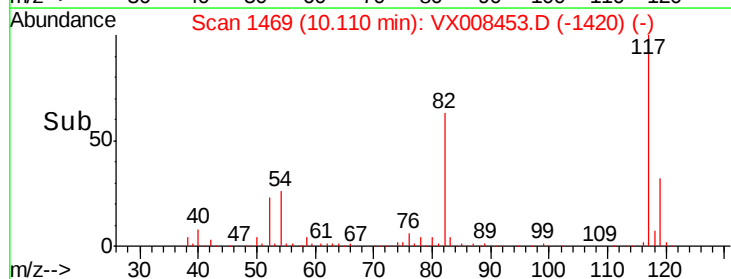
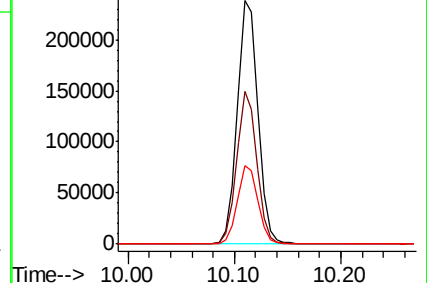
119 32.1 25.4 38.0

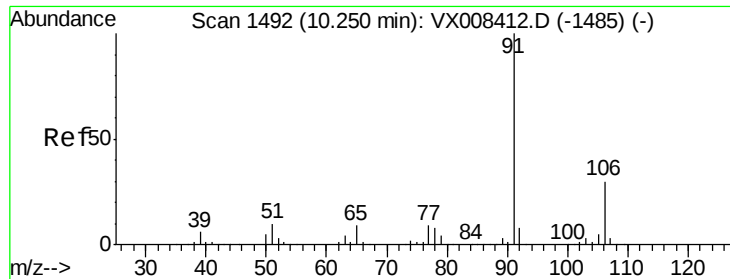


Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008412.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008412.D (-1462) (-)





#67

Ethyl Benzene

Concen: 8.372 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

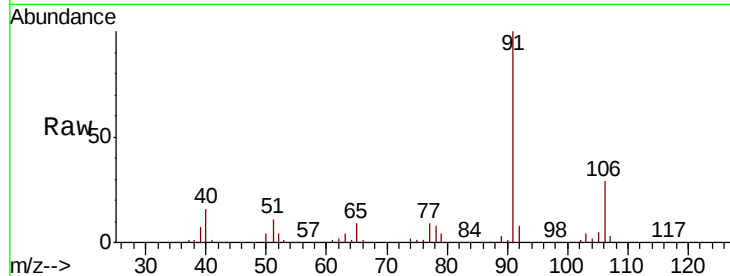
MW-102

Tot Ion: 91 Resp: 112457

Ion Ratio Lower Upper

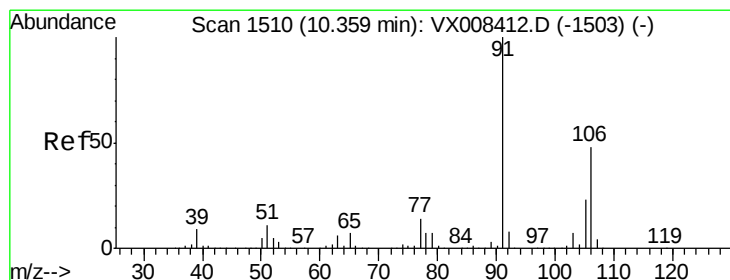
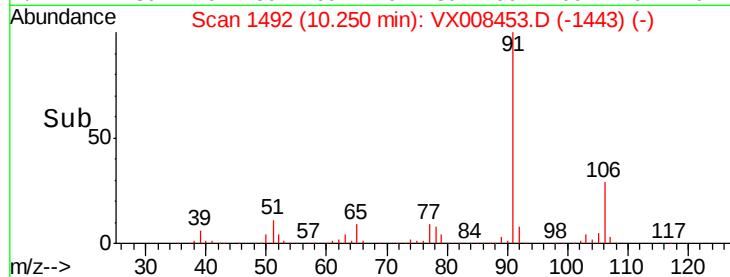
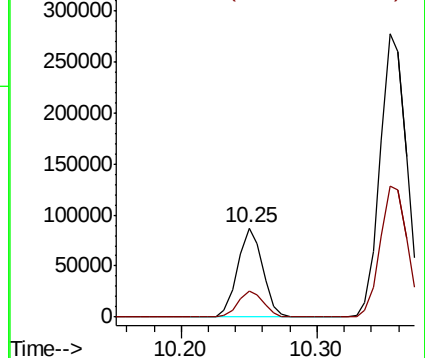
91 100

106 29.4 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.453 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008453.D

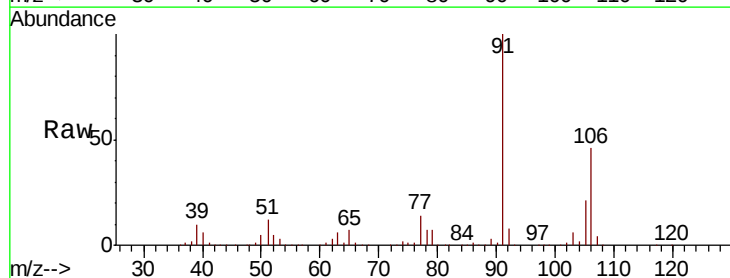
Acq: 26 Mar 2019 13:43

Tgt Ion: 106 Resp: 178135

Ion Ratio Lower Upper

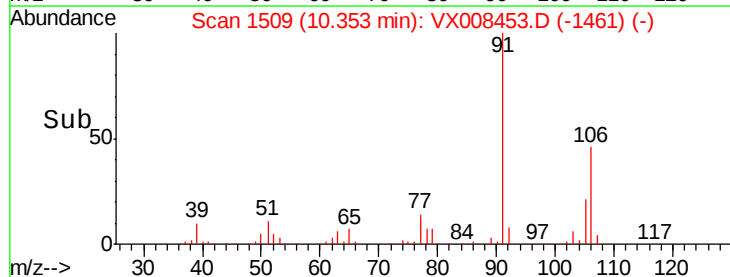
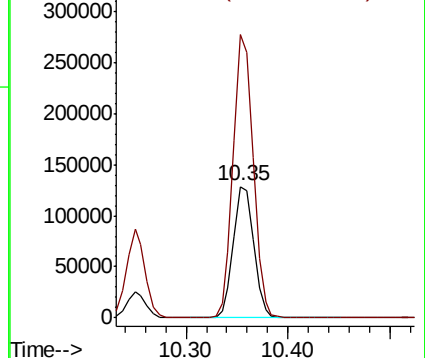
106 100

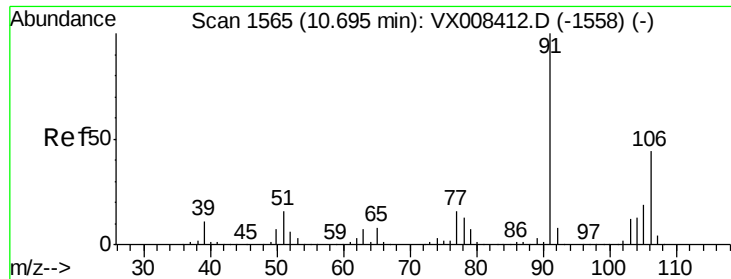
91 211.3 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

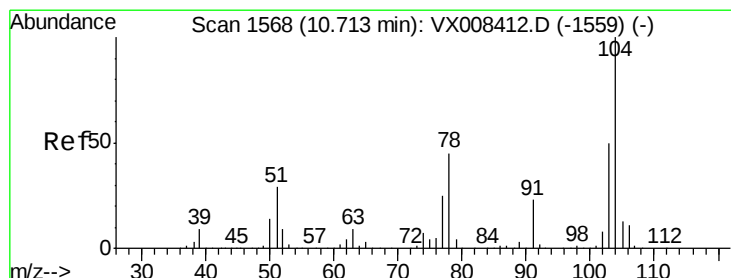
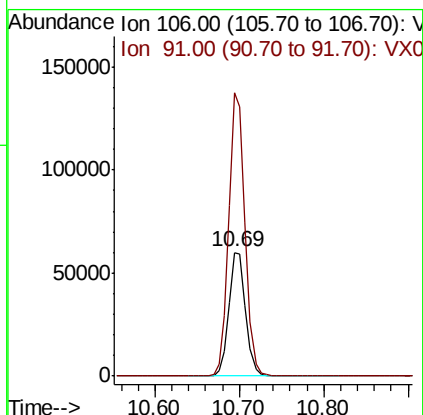
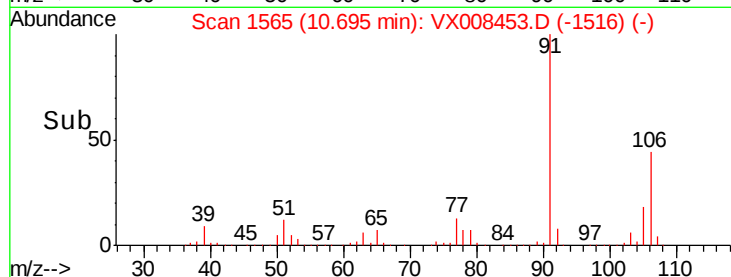
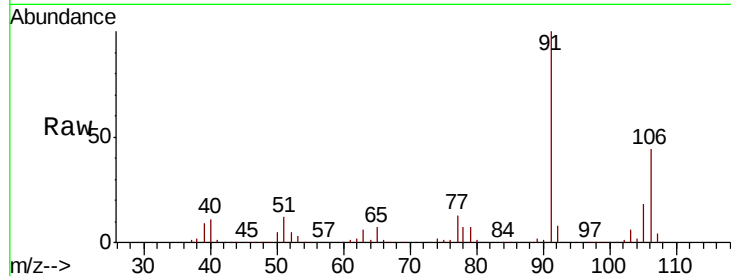




#69
o-Xylene
Concen: 17.187 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

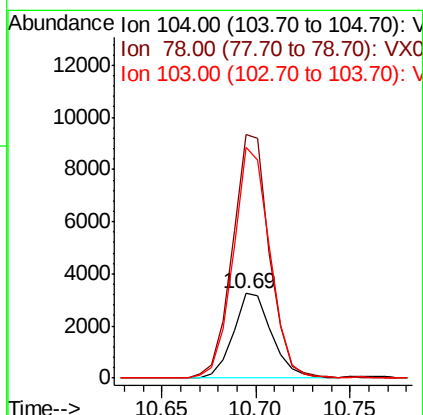
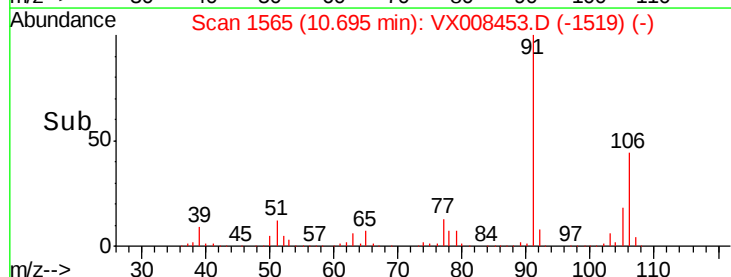
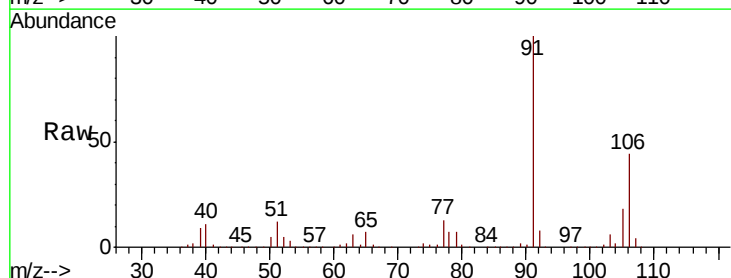
Instrument :
MSVOA_X
ClientSampleId :
MW-102

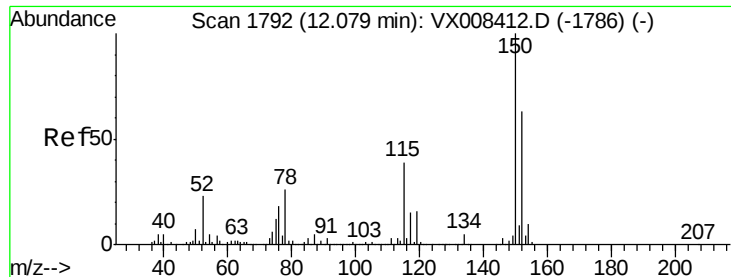
Tot Ion:106 Resp: 81506
Ion Ratio Lower Upper
106 100
91 223.9 111.4 334.2



#70
Styrene
Concen: 0.564 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VX008453.D
Acq: 26 Mar 2019 13:43

Tgt Ion:104 Resp: 4624
Ion Ratio Lower Upper
104 100
78 273.9 42.5 63.7#
103 257.5 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

MW-102

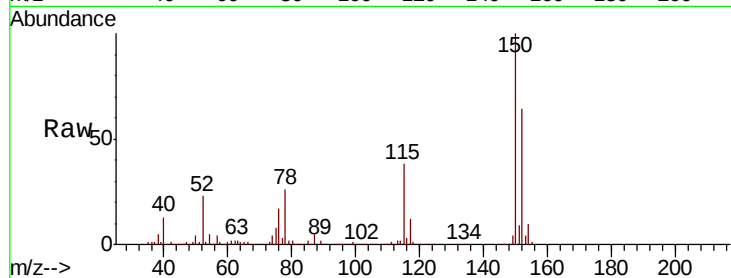
Tot Ion:152 Resp: 133985

Ion Ratio Lower Upper

152 100

115 61.7 43.5 130.5

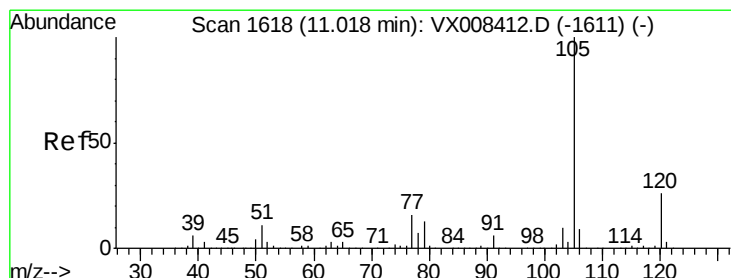
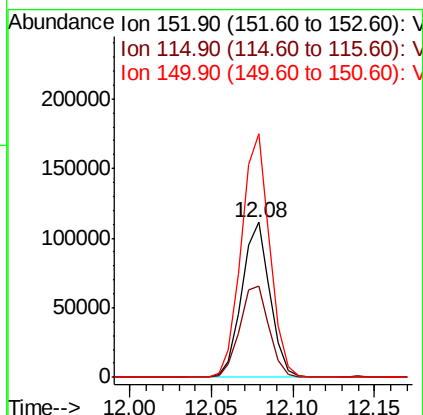
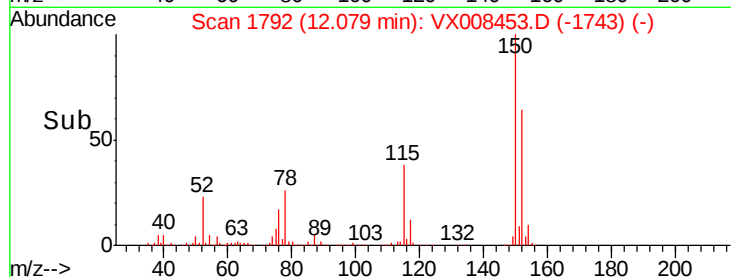
150 158.4 0.0 348.8



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: 0.422 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008453.D

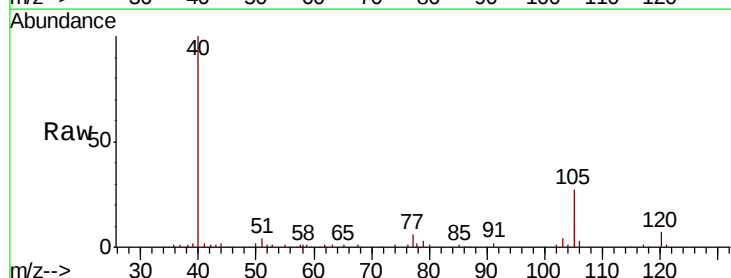
Acq: 26 Mar 2019 13:43

Tgt Ion:105 Resp: 4595

Ion Ratio Lower Upper

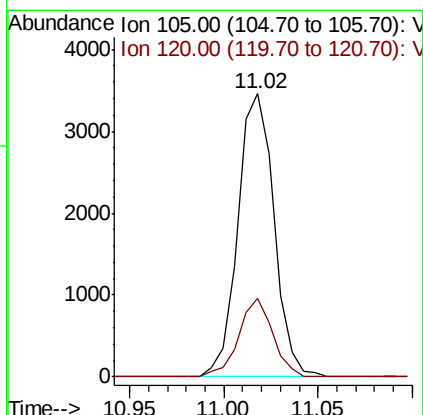
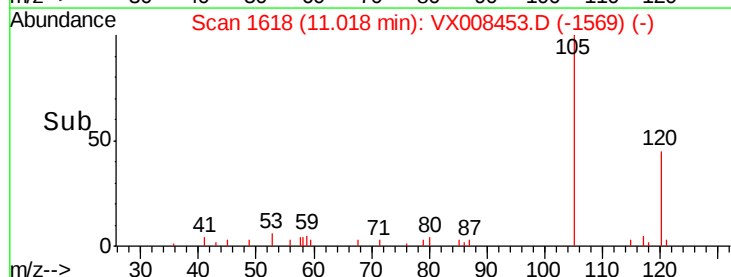
105 100

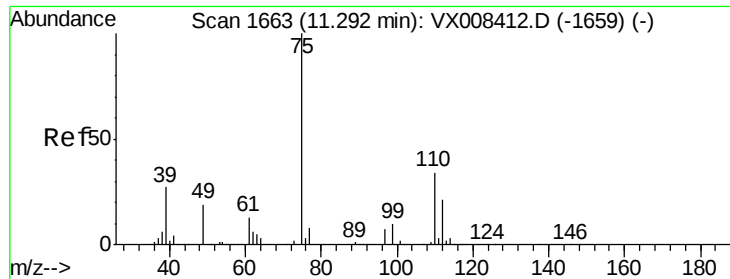
120 26.1 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 20.886 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

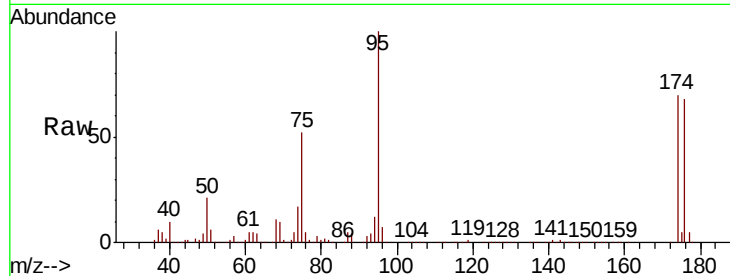
MW-102

Tot Ion: 75 Resp: 83195

Ion Ratio Lower Upper

75 100

77 1.4 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

60000

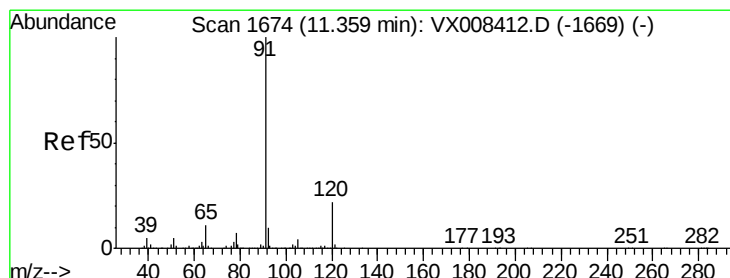
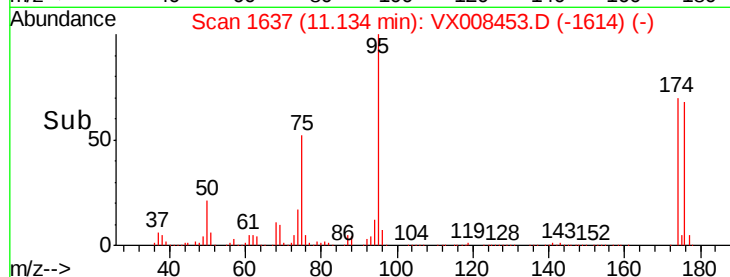
40000

20000

0

Time-->

11.10 11.20



#78

n-propylbenzene

Concen: 0.965 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008453.D

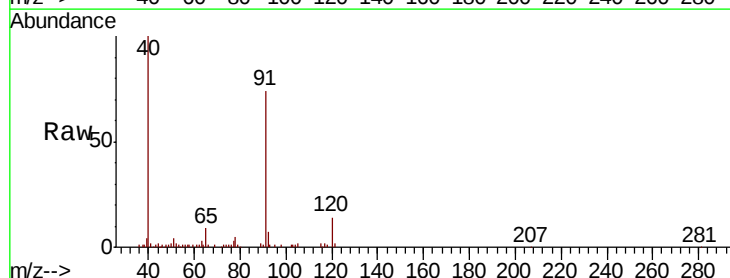
Acq: 26 Mar 2019 13:43

Tgt Ion: 91 Resp: 12322

Ion Ratio Lower Upper

91 100

120 20.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

15000

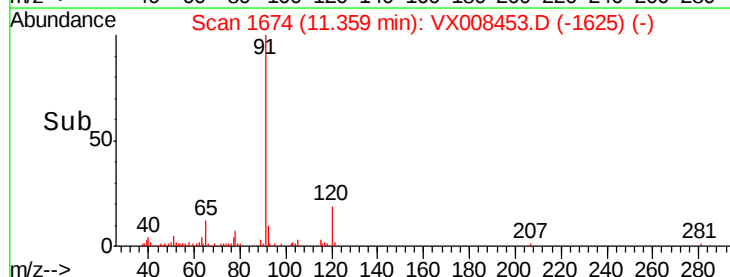
10000

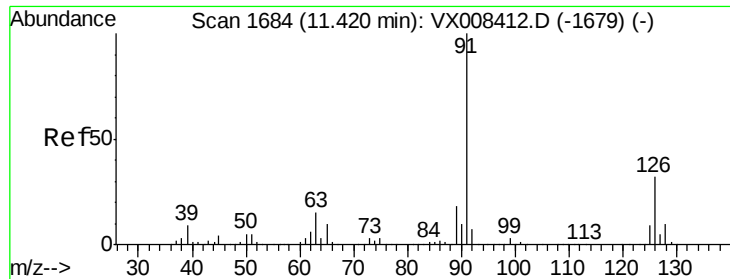
5000

0

Time-->

11.30 11.35 11.40

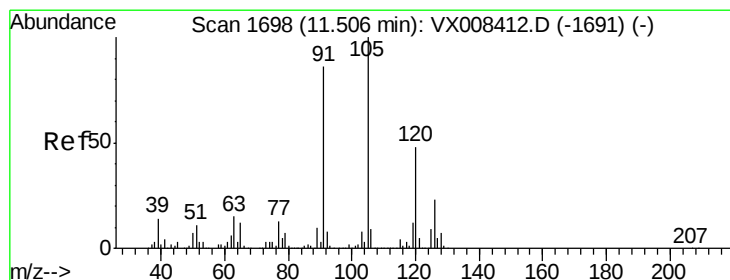
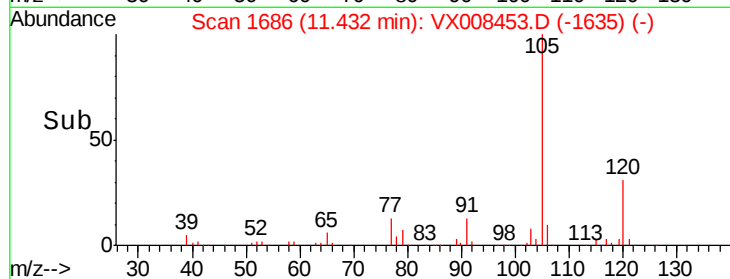
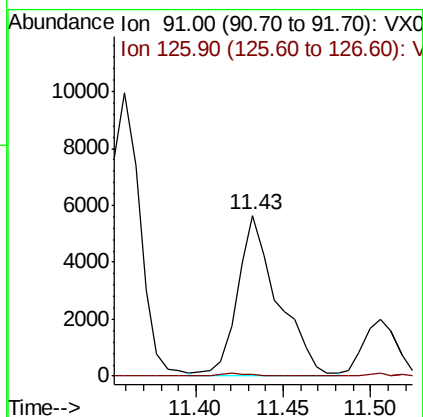
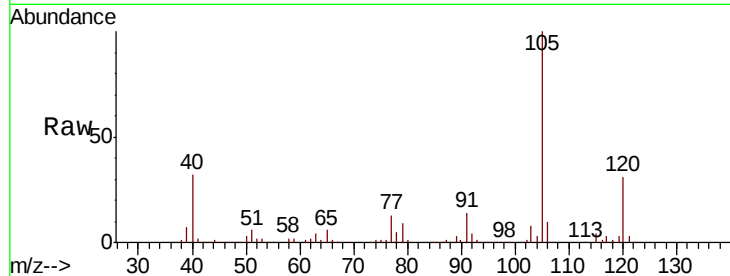




#79
 2-Chlorotoluene
 Concen: 1.177 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX008453.D
 Acq: 26 Mar 2019 13:43

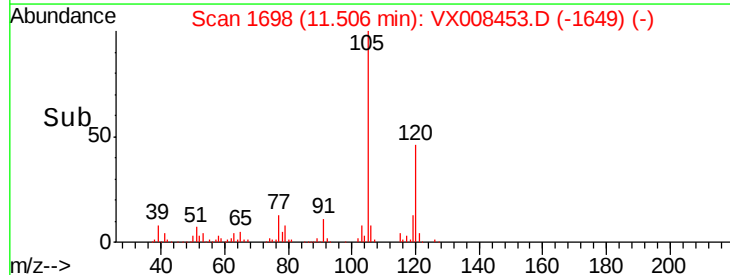
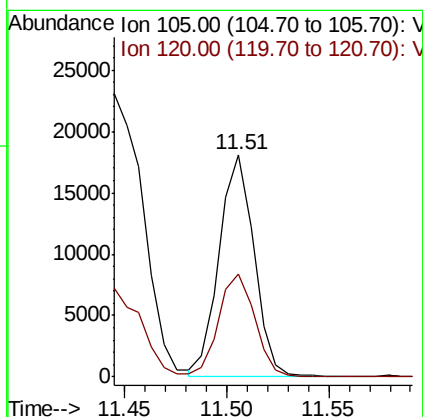
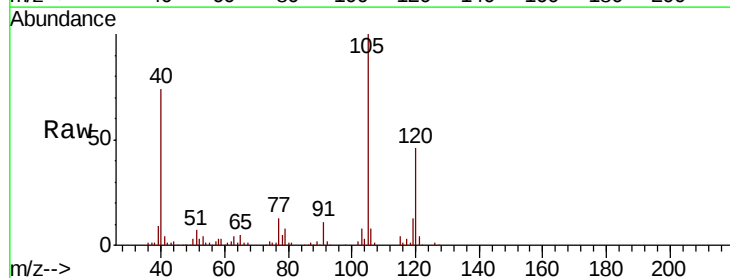
Instrument :
 MSVOA_X
 ClientSampled :
 MW-102

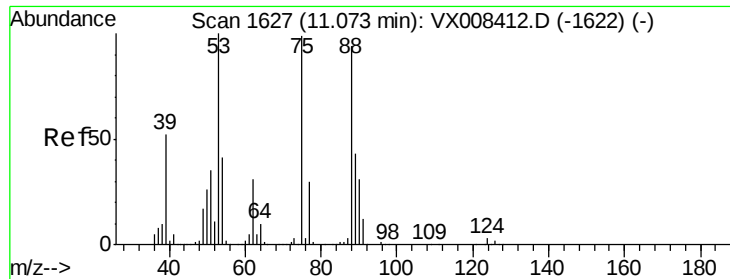
Tot Ion: 91 Resp: 9145
 Ion Ratio Lower Upper
 91 100
 126 1.1 15.7 47.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.340 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008453.D
 Acq: 26 Mar 2019 13:43

Tgt Ion:105 Resp: 21561
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 66.895 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

MW-102

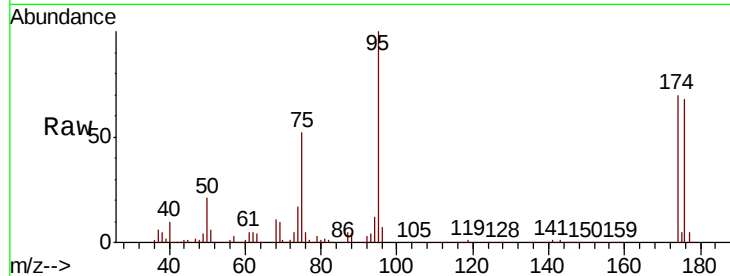
Tot Ion: 75 Resp: 83195

Ion Ratio Lower Upper

75 100

53 0.0 82.1 123.1#

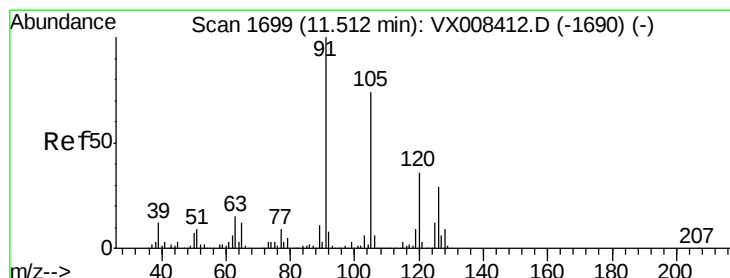
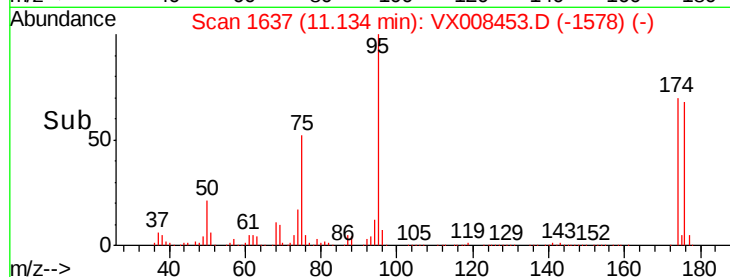
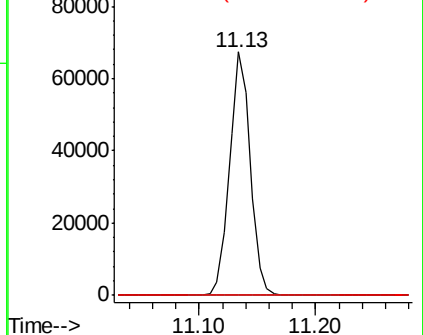
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.306 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008453.D

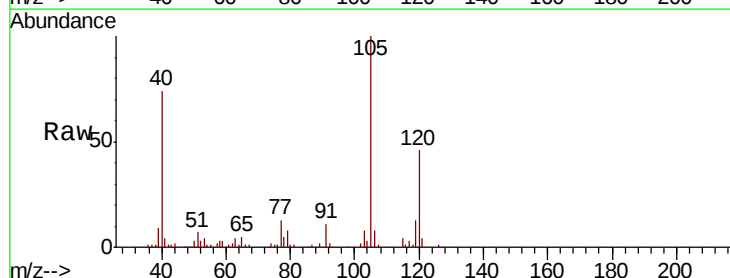
Acq: 26 Mar 2019 13:43

Tgt Ion: 91 Resp: 2742

Ion Ratio Lower Upper

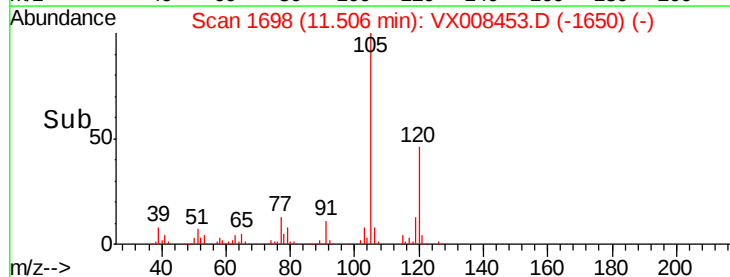
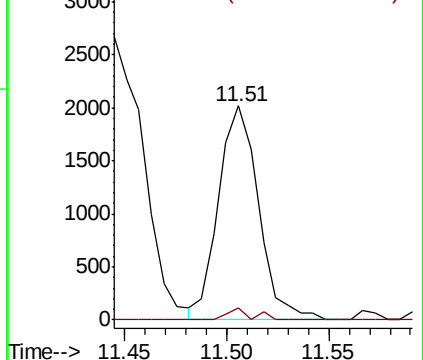
91 100

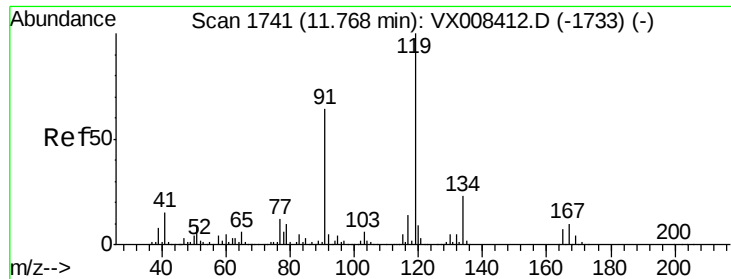
126 3.4 13.9 41.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.119 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampled :

MW-102

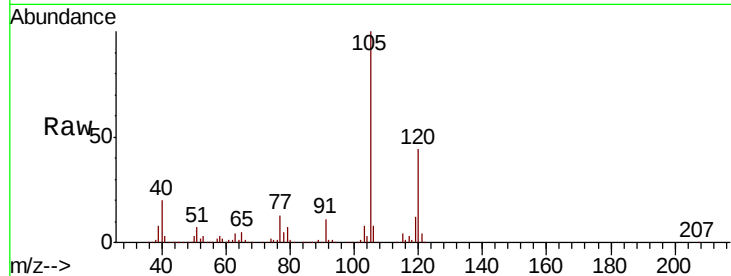
Tot Ion:119 Resp: 9953

Ion Ratio Lower Upper

119 100

91 88.2 30.1 90.3

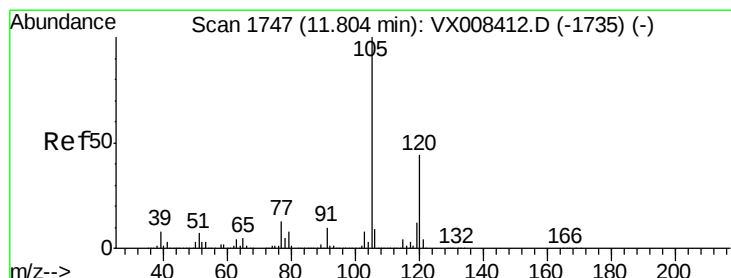
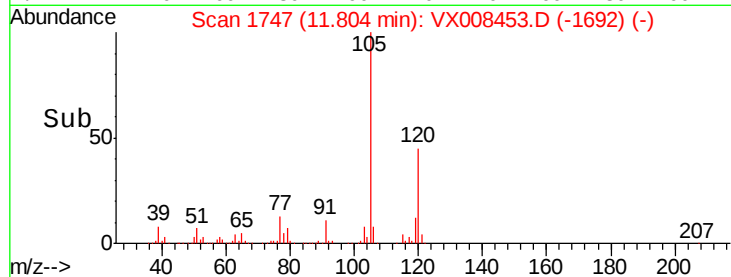
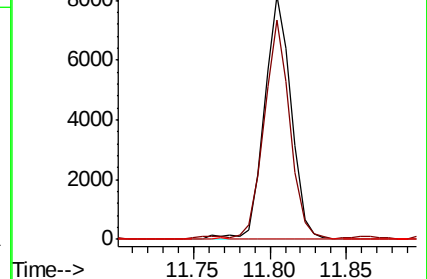
134 0.0 10.9 32.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.705 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008453.D

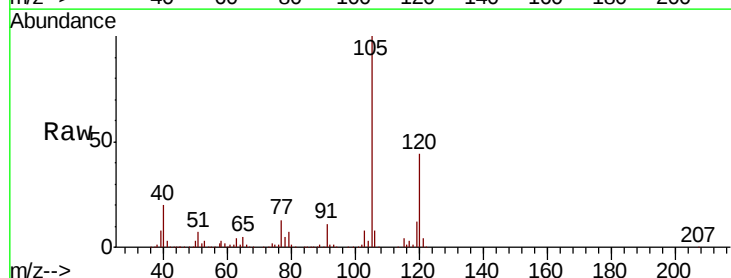
Acq: 26 Mar 2019 13:43

Tgt Ion:105 Resp: 81137

Ion Ratio Lower Upper

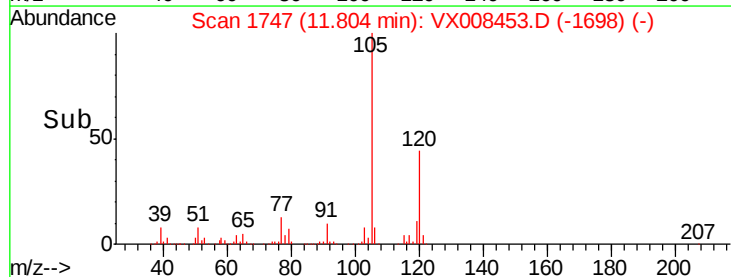
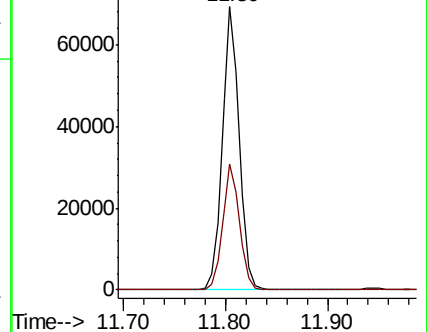
105 100

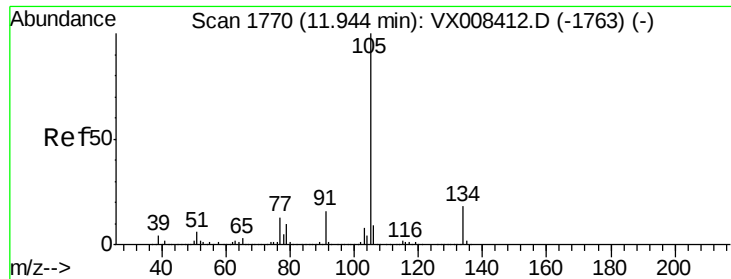
120 44.2 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

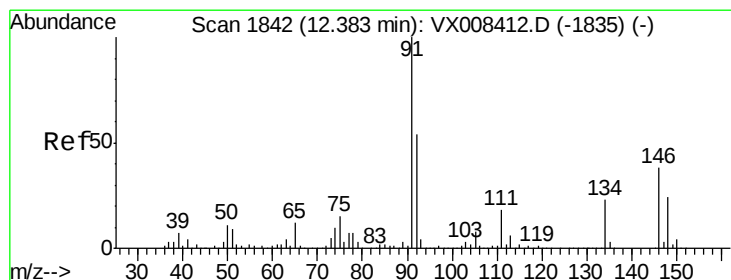
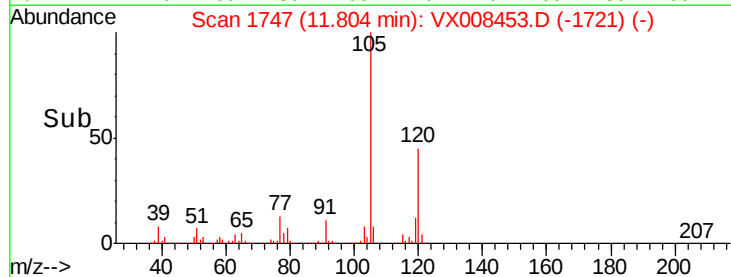
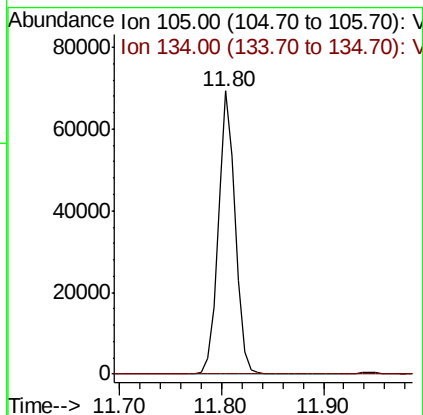
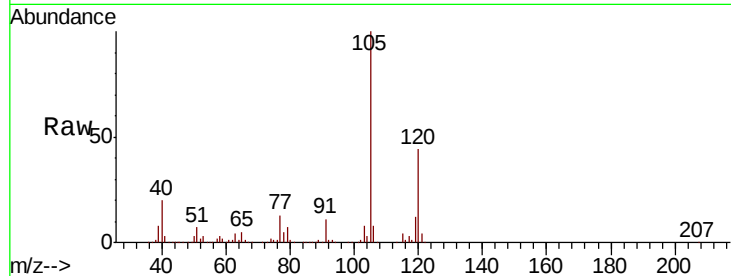




#85
 sec-Butylbenzene
 Concen: 7.663 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.14 min
 Lab File: VX008453.D
 Acq: 26 Mar 2019 13:43

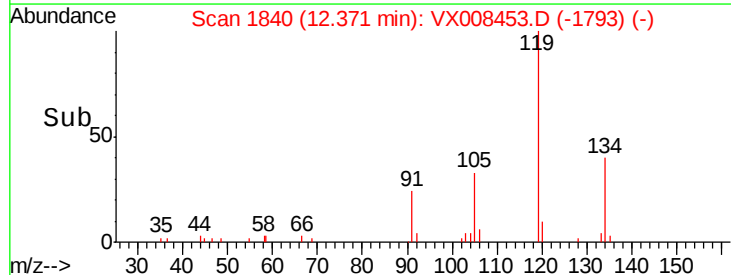
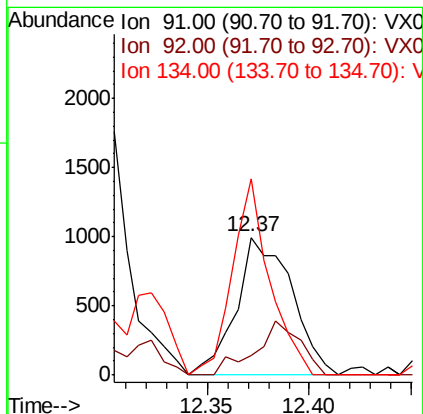
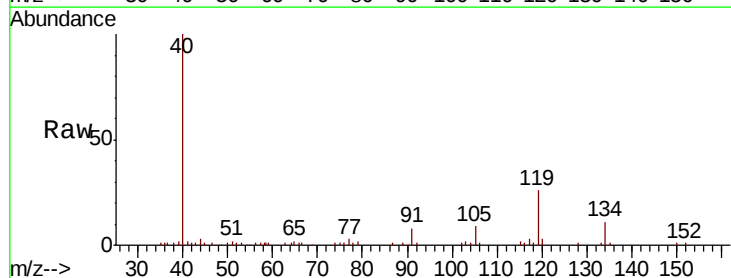
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102

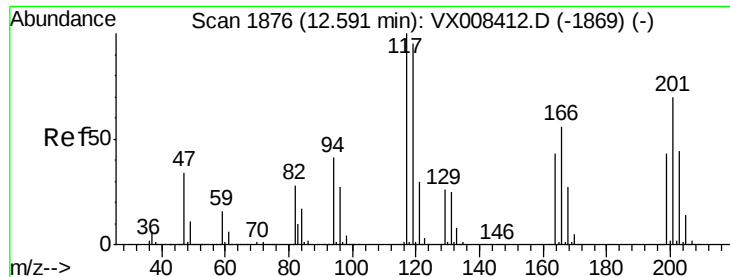
Tot Ion:105 Resp: 81137
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#



#89
 n-Butylbenzene
 Concen: 0.212 ug/l
 RT: 12.37 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX008453.D
 Acq: 26 Mar 2019 13:43

Tgt Ion: 91 Resp: 1876
 Ion Ratio Lower Upper
 91 100
 92 32.0 26.5 79.5
 134 95.5 11.8 35.4#





#90

Hexachloroethane

Concen: 0.333 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

Instrument :

MSVOA_X

ClientSampleId :

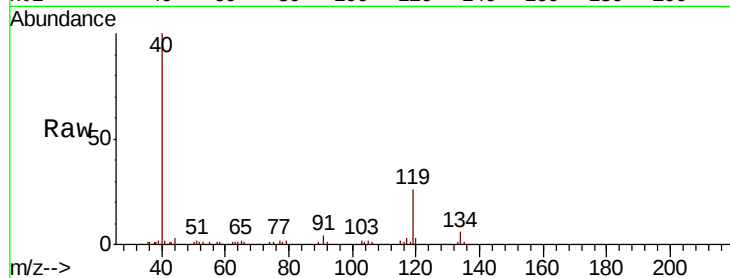
MW-102

Tot Ion:117 Resp: 518

Ion Ratio Lower Upper

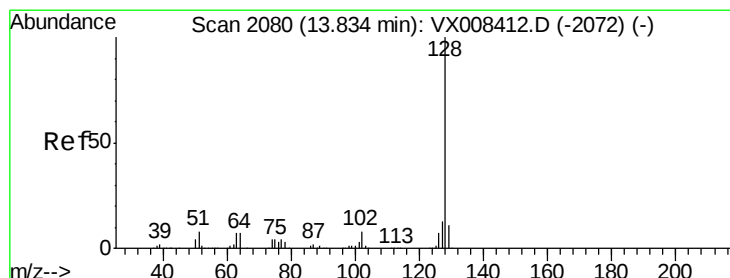
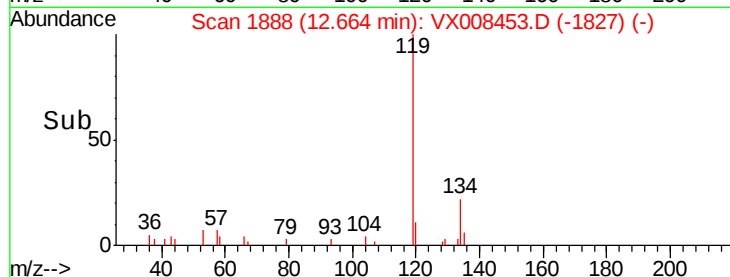
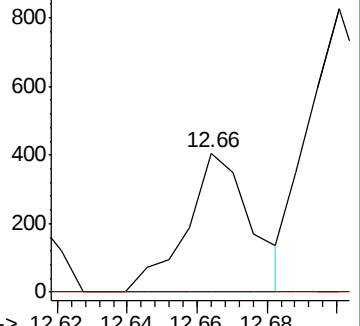
117 100

201 0.0 39.4 118.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.056 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008453.D

Acq: 26 Mar 2019 13:43

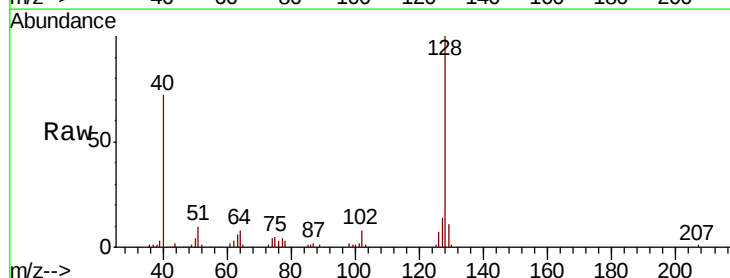
Tgt Ion:128 Resp: 22465

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 12.1 8.7 13.1



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

