

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008441.D
 Acq On : 26 Mar 2019 03:35
 Operator : JC/SP
 Sample : K2059-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Mar 26 06:10:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138938	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	155899	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
35) Dibromofluoromethane	5.50	113	116339	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.71	98	473900	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.13	95	175002	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.30	50	3891	0.528	ug/l #	53
5) Bromomethane	1.67	94	169	1.892	ug/l #	3
11) Tert butyl alcohol	3.04	59	1259	1.670	ug/l #	72
13) Acrolein	2.26	56	3784	6.913	ug/l #	1
14) Allyl chloride	2.84	41	92921	16.155	ug/l #	68
15) Acrylonitrile	3.17	53	17462	8.835	ug/l #	40
16) Acetone	2.39	43	62105	34.926	ug/l #	52
17) Carbon Disulfide	2.57	76	1858	0.215	ug/l #	90
18) Methyl Acetate	2.84	43	234448	54.897	ug/l #	55
19) Methyl tert-butyl Ether	3.20	73	5602	0.595	ug/l #	1
20) Methylene Chloride	2.86	84	1469	Below Cal	#	1
21) trans-1,2-Dichloroethene	3.18	96	24	Below Cal	#	71
23) Vinyl Acetate	3.82	43	2726	0.276	ug/l #	76
25) 2-Butanone	4.68	43	3124	1.096	ug/l	97
30) Chloroform	5.27	83	20058	3.887	ug/l #	49
31) Cyclohexane	5.58	56	110455	20.254	ug/l #	91
36) 1,1-Dichloropropene	5.66	75	19223	4.805	ug/l #	51
37) Ethyl Acetate	4.90	43	1579	0.305	ug/l #	1
38) Carbon Tetrachloride	5.67	117	21775	6.523	ug/l #	16
39) Methylcyclohexane	7.46	83	82696	17.298	ug/l #	86
40) Benzene	6.14	78	353875	29.549	ug/l	100
41) Methacrylonitrile	5.07	41	1899	0.652	ug/l #	27
42) 1,2-Dichloroethane	6.15	62	3397	0.775	ug/l #	76
43) Isopropyl Acetate	6.46	43	11549	1.393	ug/l #	62
46) Dibromomethane	7.63	93	819	0.412	ug/l #	1
47) Bromodichloromethane	7.85	83	4083	1.073	ug/l #	94
48) Methyl methacrylate	7.73	41	20624	4.973	ug/l #	56
49) 1,4-Dioxane	7.96	88	22	0.267	ug/l #	19
51) 4-Methyl-2-Pentanone	8.67	43	6077	1.129	ug/l #	38
52) Toluene	8.79	92	36976	5.164	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	47830	16.409	ug/l #	17
56) Ethyl methacrylate	9.16	69	12800	2.433	ug/l #	24
59) 2-Hexanone	9.62	43	3158	0.757	ug/l	76
67) Ethyl Benzene	10.25	91	231303	17.744	ug/l	99

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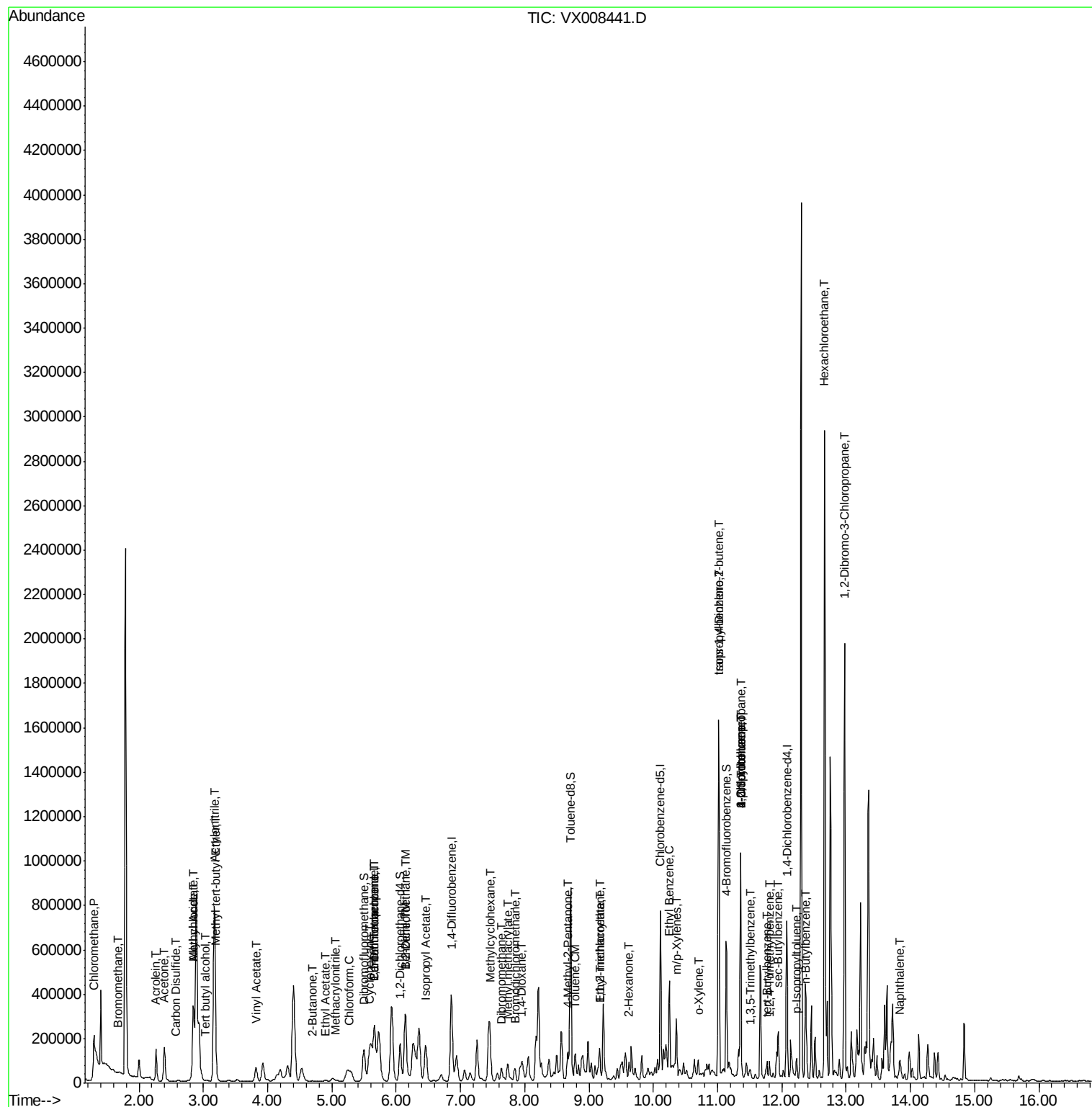
68) m/p-Xylenes	10.36	106	48275	10.180	ug/l	97
69) o-Xylene	10.69	106	14410	3.131	ug/l	95
73) Isopropylbenzene	11.02	105	788453	69.754	ug/l	100
76) 1,2,3-Trichloropropane	11.36	75	4175	1.011	ug/l #	1
78) n-propylbenzene	11.36	91	594736	44.916	ug/l	100
79) 2-Chlorotoluene	11.36	91	594736	73.846	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.51	105	13422	1.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	9555	7.409	ug/l #	56
82) 4-Chlorotoluene	11.36	91	594736	64.019	ug/l #	47
83) tert-Butylbenzene	11.77	119	26162	2.838	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	31537	3.263	ug/l	100
85) sec-Butylbenzene	11.94	105	77516	7.060	ug/l	96
86) p-Isopropyltoluene	12.23	119	35392	3.653	ug/l	97
89) n-Butylbenzene	12.38	91	97750	10.651	ug/l #	59
90) Hexachloroethane	12.67	117	118400	73.359	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	6345	6.635	ug/l #	4
95) Naphthalene	13.83	128	51439	4.540	ug/l #	92

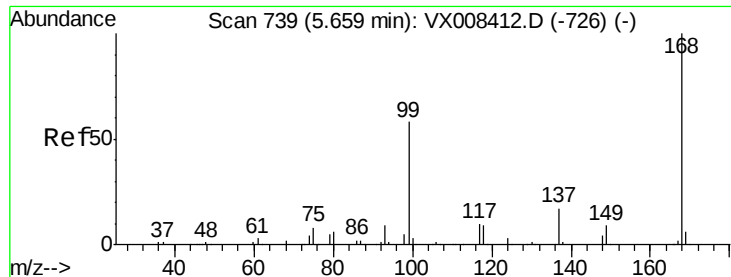
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

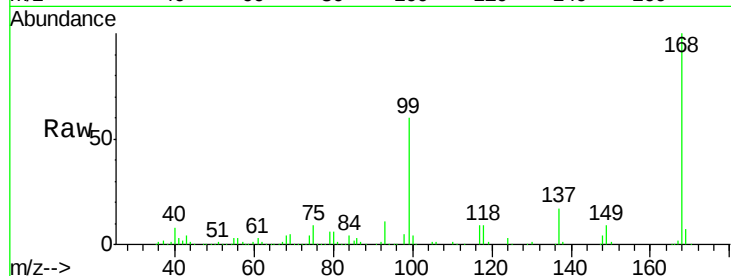
MW-3

Tot Ion:168 Resp: 224417

Ion Ratio Lower Upper

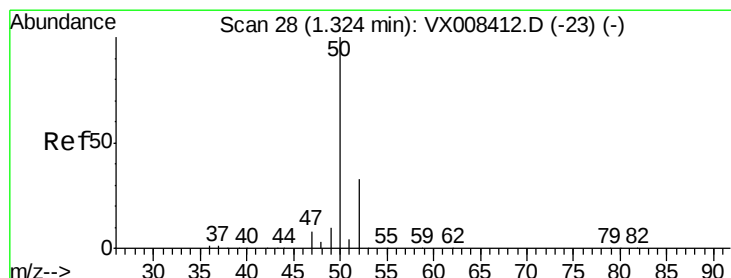
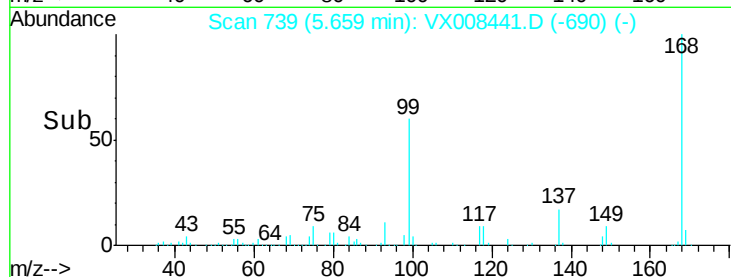
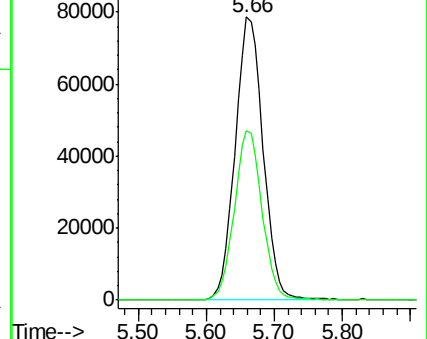
168 100

99 59.7 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: 0.528 ug/l

RT: 1.30 min Scan# 24

Delta R.T. -0.02 min

Lab File: VX008441.D

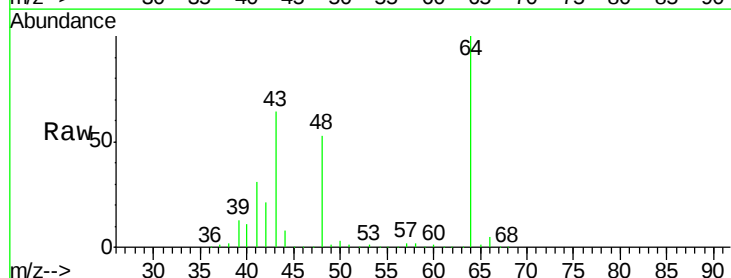
Acq: 26 Mar 2019 03:35

Tgt Ion: 50 Resp: 3891

Ion Ratio Lower Upper

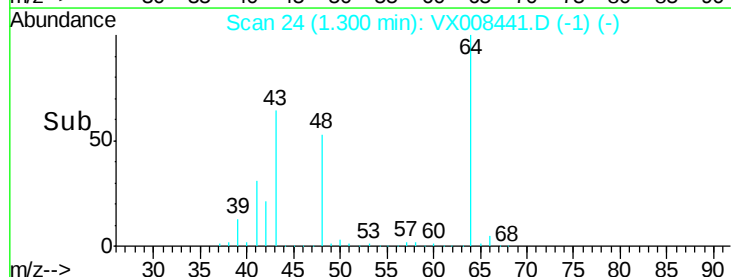
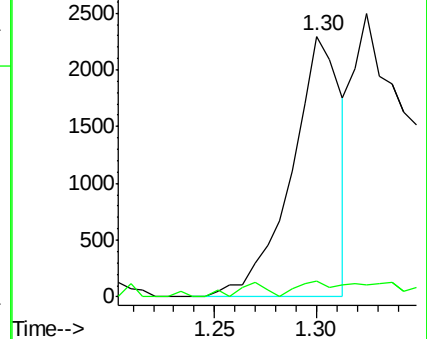
50 100

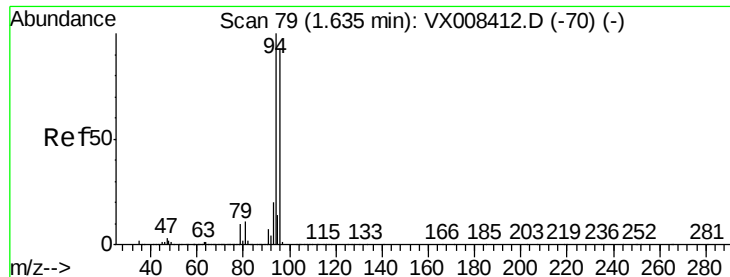
52 6.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.892 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

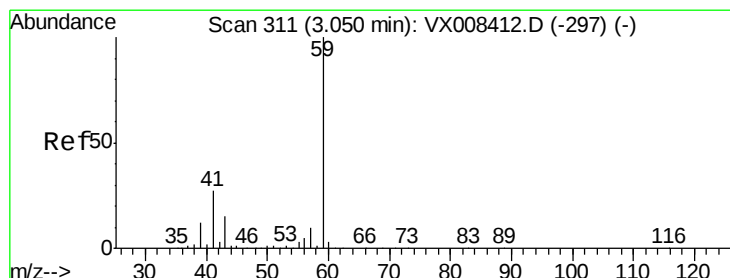
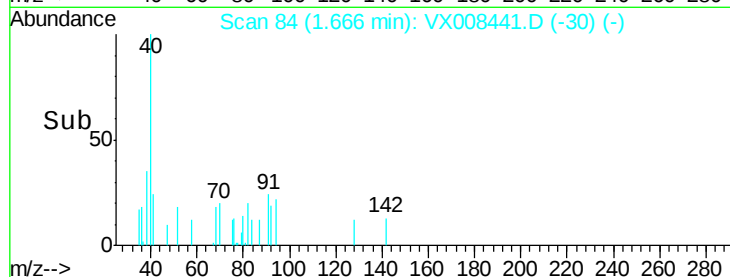
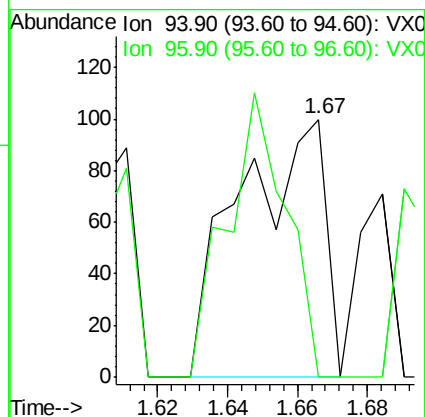
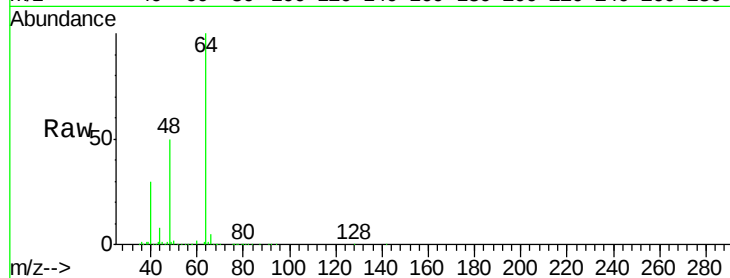
MW-3

Tot Ion: 94 Resp: 169

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#11

Tert butyl alcohol

Concen: 1.670 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX008441.D

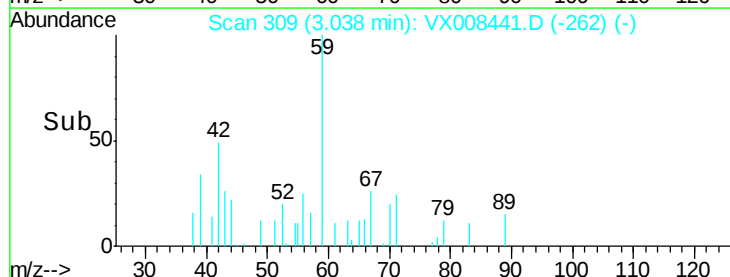
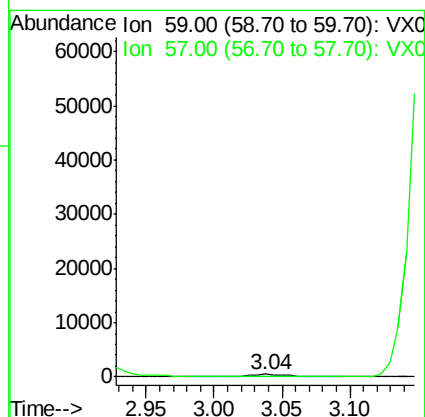
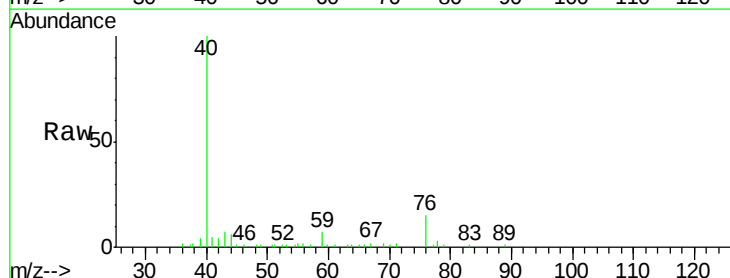
Acq: 26 Mar 2019 03:35

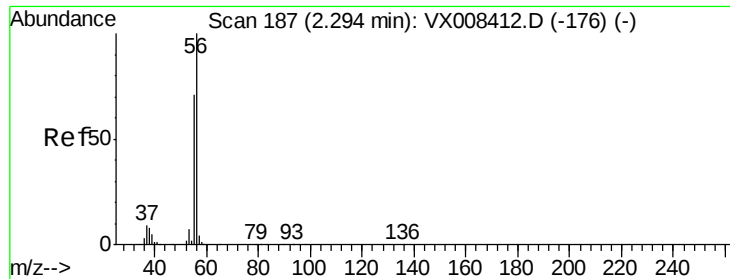
Tgt Ion: 59 Resp: 1259

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 6.913 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

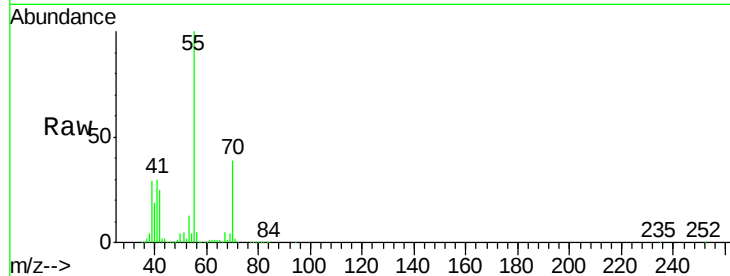
MW-3

Tot Ion: 56 Resp: 3784

Ion Ratio Lower Upper

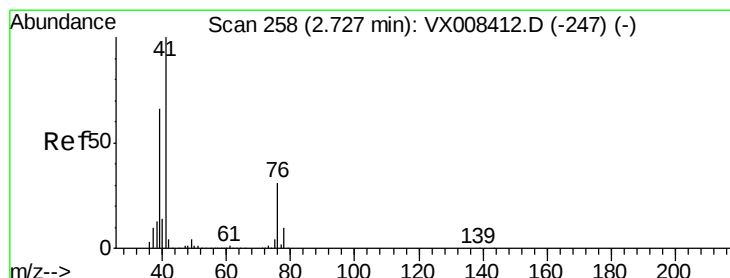
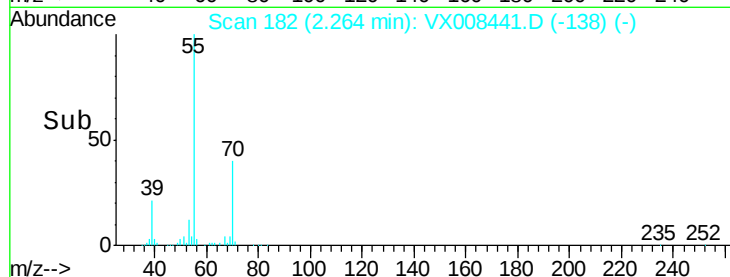
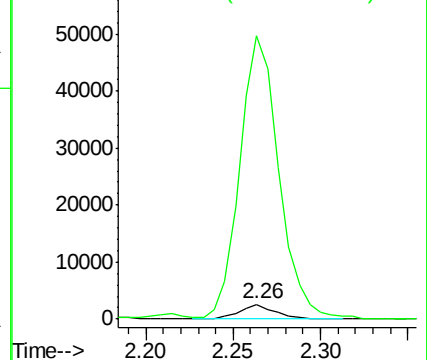
56 100

55 2028.6 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.155 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

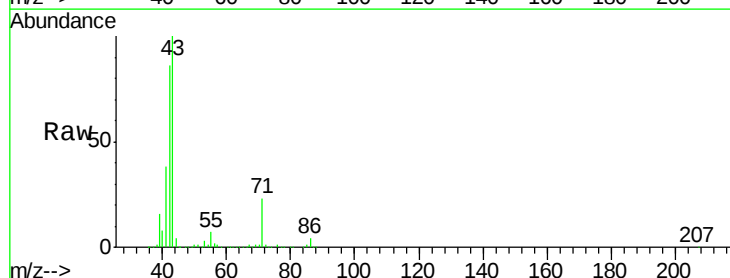
Tgt Ion: 41 Resp: 92921

Ion Ratio Lower Upper

41 100

39 44.6 49.6 74.4#

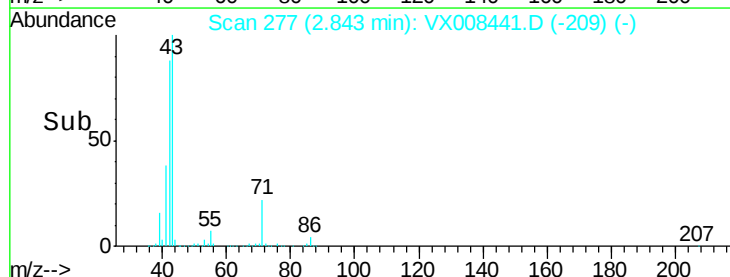
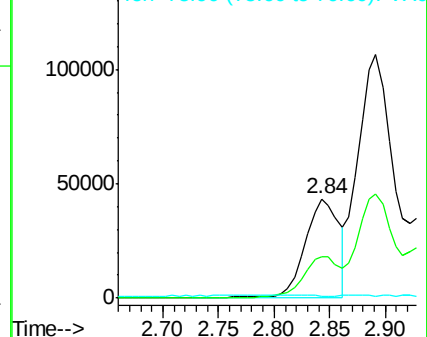
76 0.0 22.6 34.0#

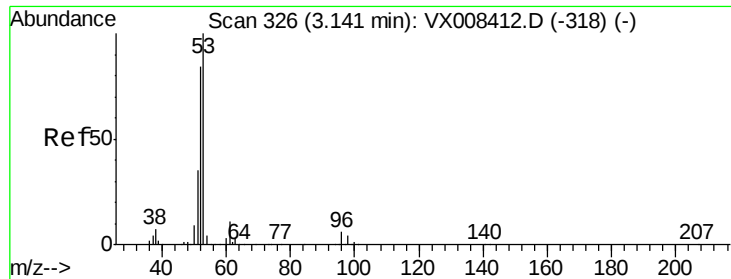


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 8.835 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

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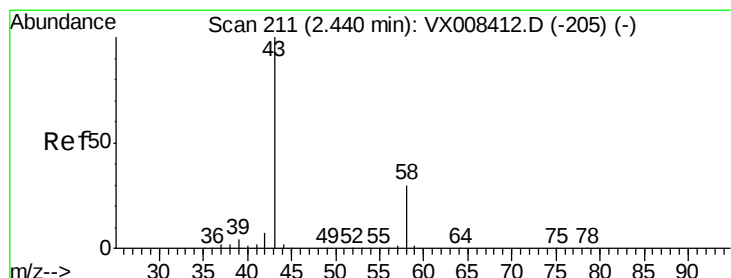
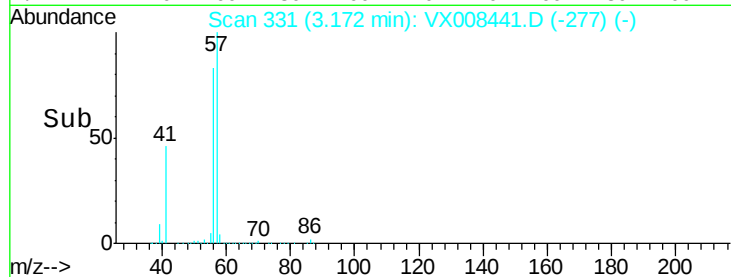
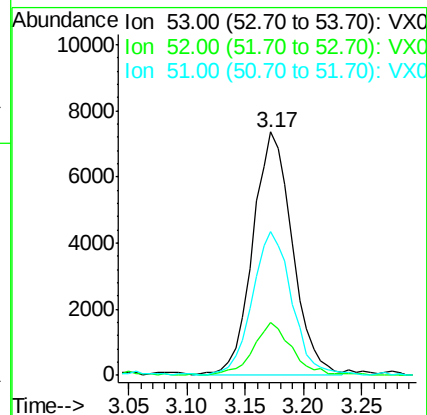
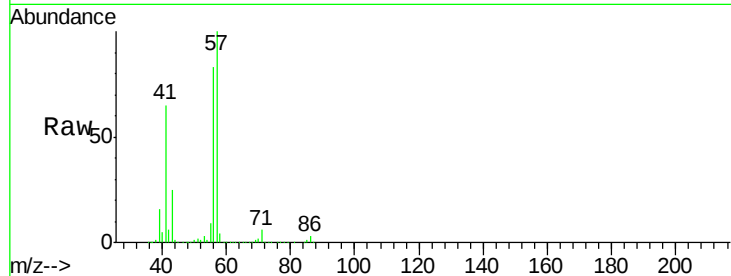
Tot Ion: 53 Resp: 17462

Ion Ratio Lower Upper

53 100

52 21.0 66.5 99.7#

51 59.0 28.3 42.5#



#16

Acetone

Concen: 34.926 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.05 min

Lab File: VX008441.D

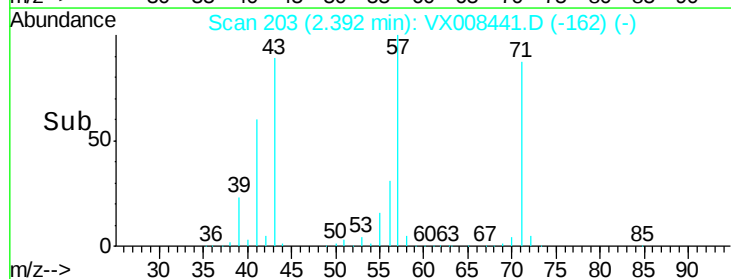
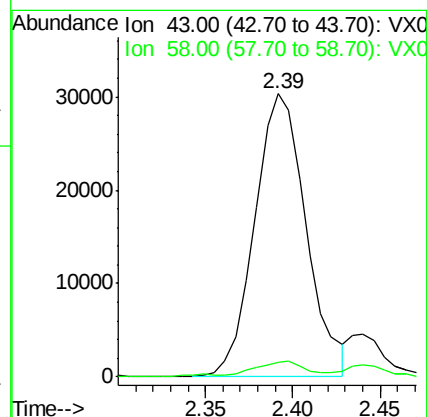
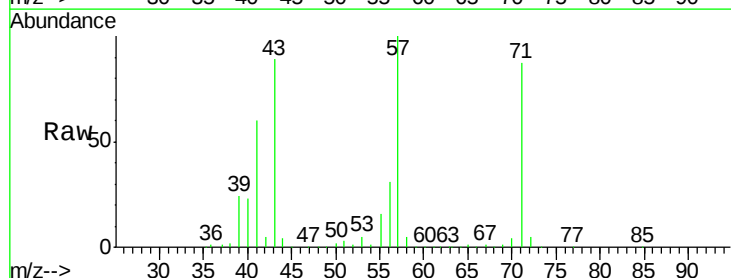
Acq: 26 Mar 2019 03:35

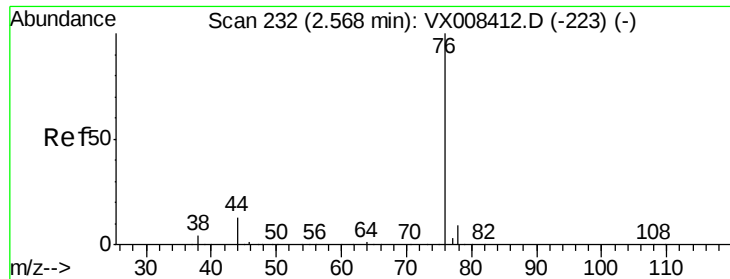
Tgt Ion: 43 Resp: 62105

Ion Ratio Lower Upper

43 100

58 4.4 24.2 36.2#

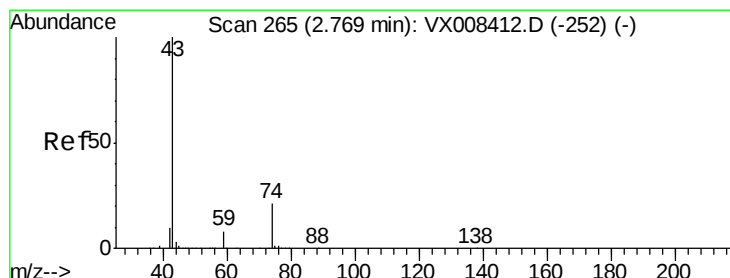
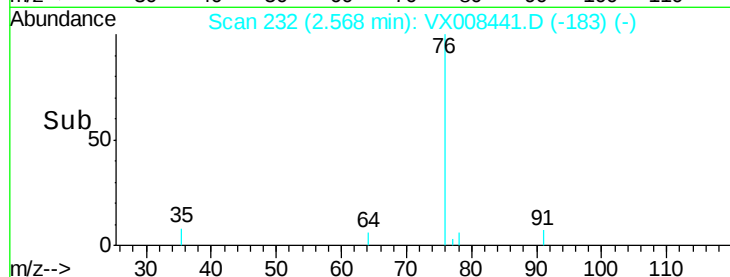
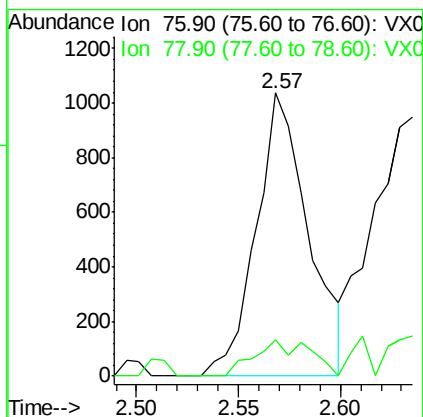
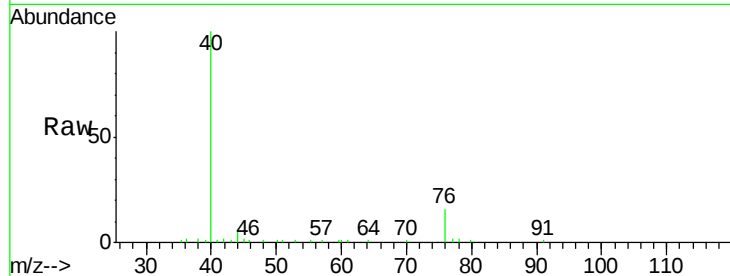




#17
Carbon Disulfide
Concen: 0.215 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

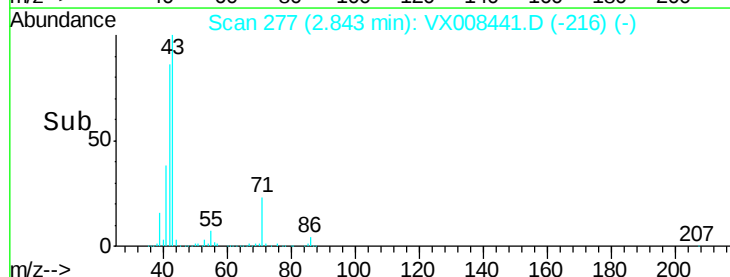
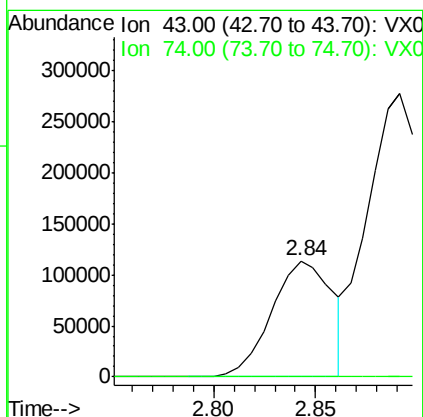
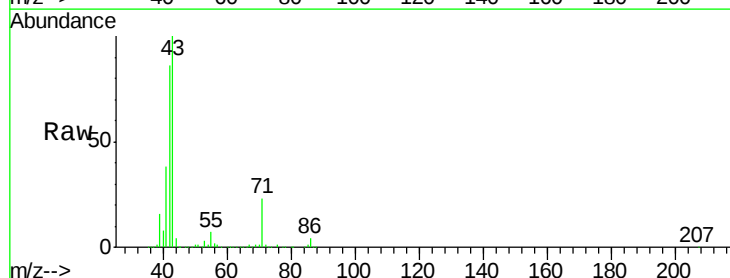
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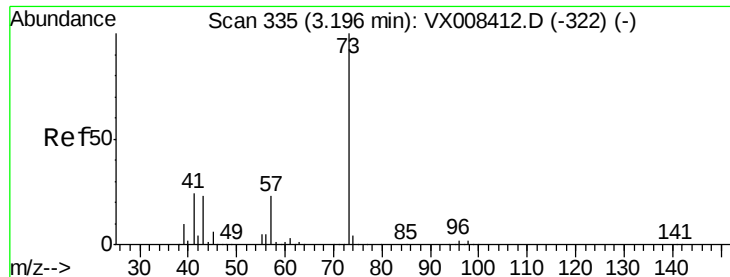
Tot Ion: 76 Resp: 1858
Ion Ratio Lower Upper
76 100
78 13.0 7.4 11.2#



#18
Methyl Acetate
Concen: 54.897 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 43 Resp: 234448
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

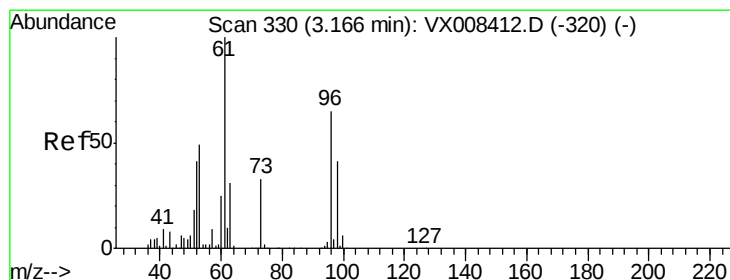
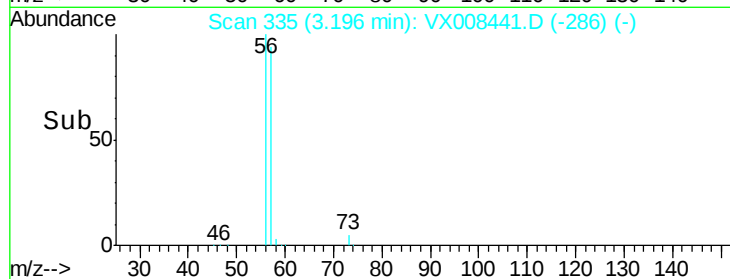
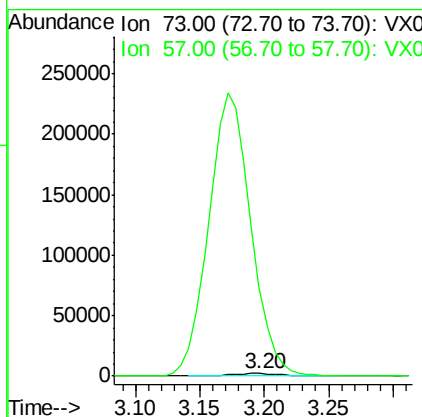
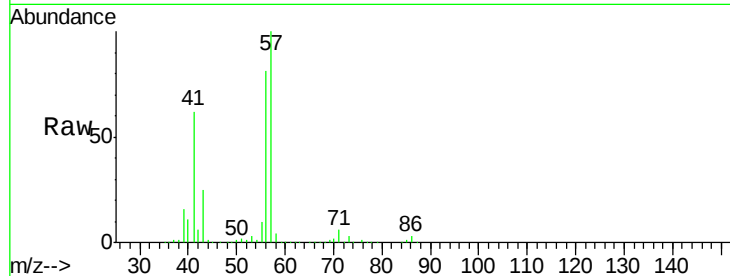




#19
Methvl tert-butvl Ether
Concen: 0.595 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

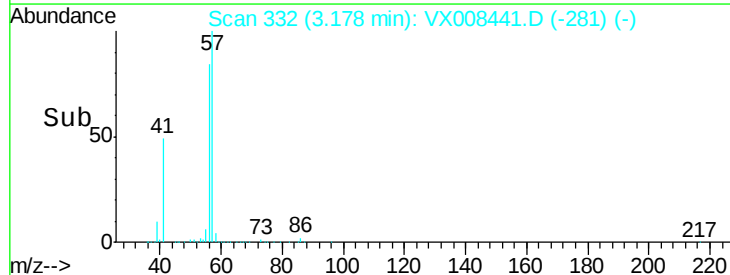
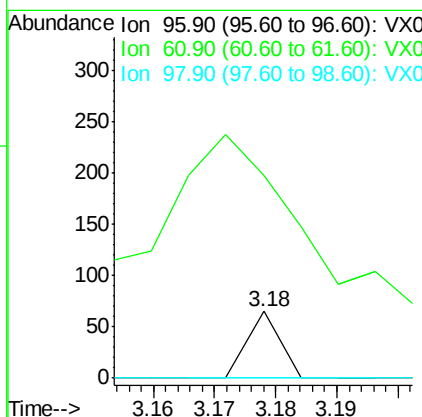
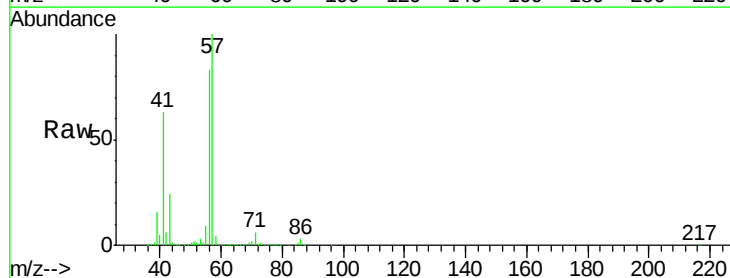
Instrument :
MSVOA_X
ClientSampled :
MW-3

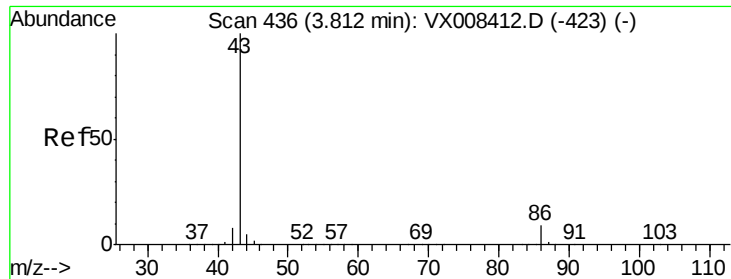
Tot Ion: 73 Resp: 5602
Ion Ratio Lower Upper
73 100
57 3015.2 18.6 28.0#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.18 min Scan# 332
Delta R.T. 0.01 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 96 Resp: 24
Ion Ratio Lower Upper
96 100
61 163.1 122.6 184.0
98 0.0 50.9 76.3#





#23

Vinyl Acetate

Concen: 0.276 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

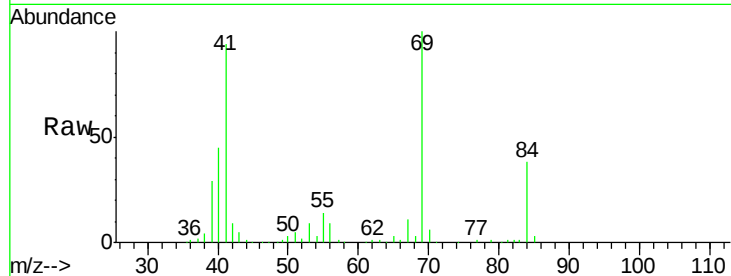
MW-3

Tot Ion: 43 Resp: 2726

Ion Ratio Lower Upper

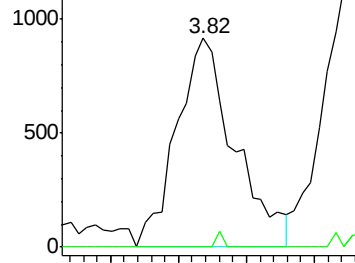
43 100

86 0.0 6.9 10.3#

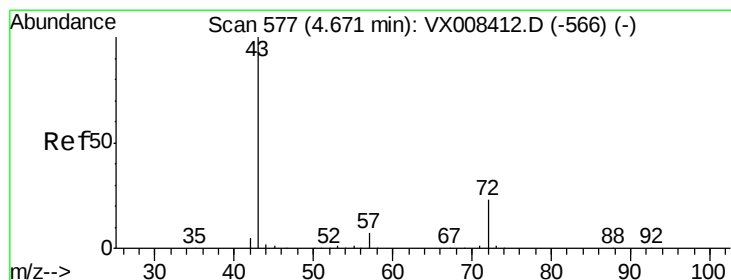
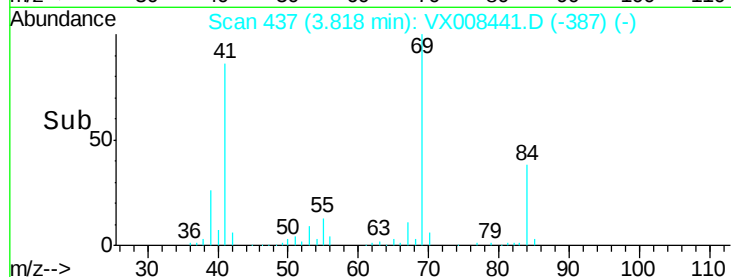


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#25

2-Butanone

Concen: 1.096 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008441.D

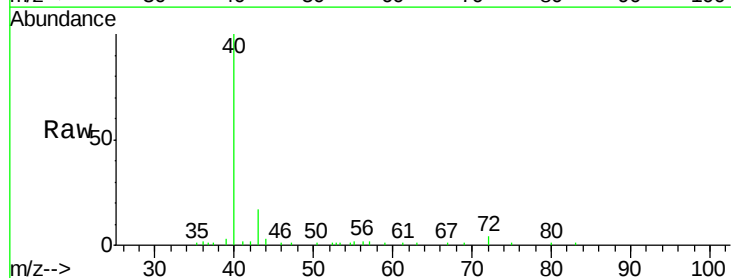
Acq: 26 Mar 2019 03:35

Tgt Ion: 43 Resp: 3124

Ion Ratio Lower Upper

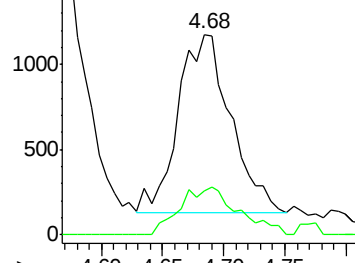
43 100

72 24.8 18.6 28.0

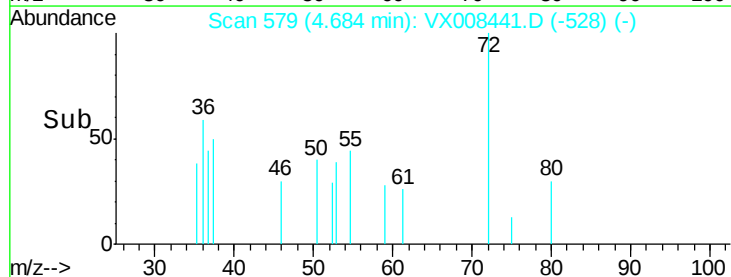


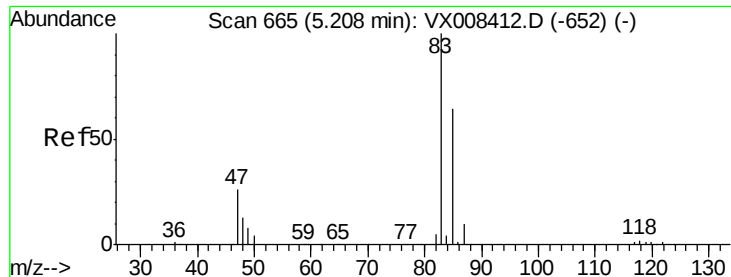
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->

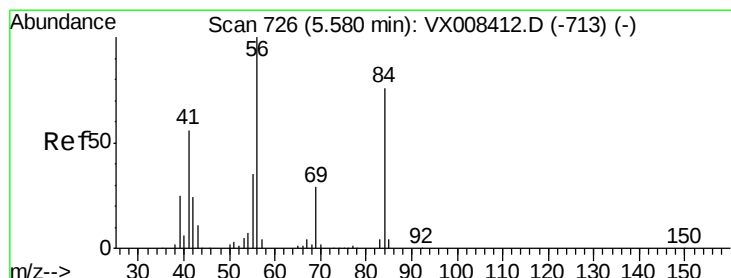
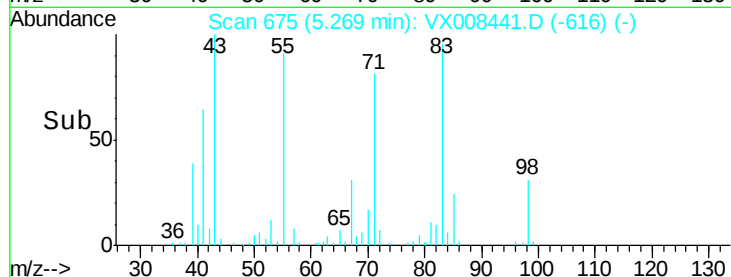
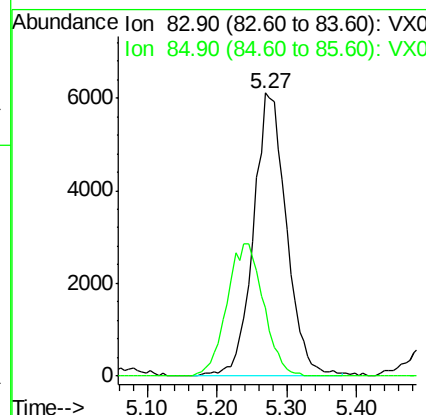
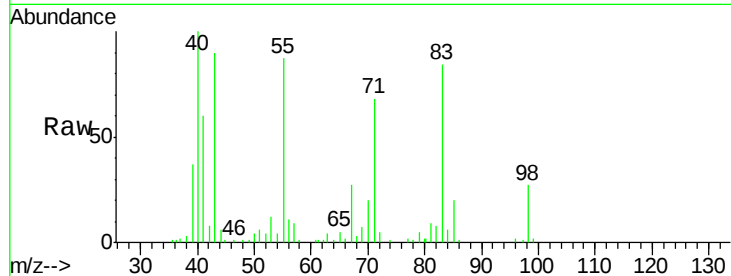




#30
Chloroform
Concen: 3.887 ug/l
RT: 5.27 min Scan# 675
Delta R.T. 0.06 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

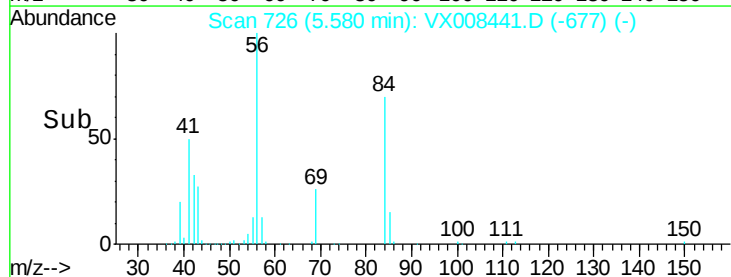
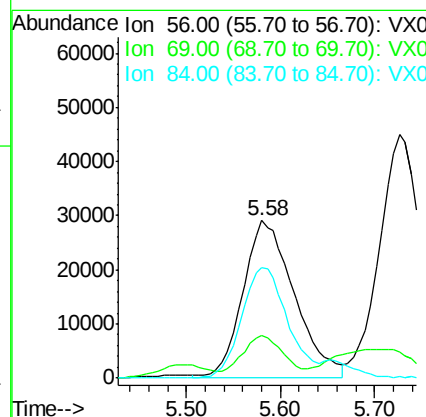
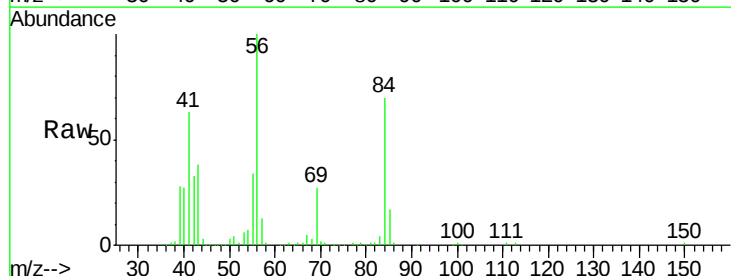
Instrument :
MSVOA_X
ClientSampled :
MW-3

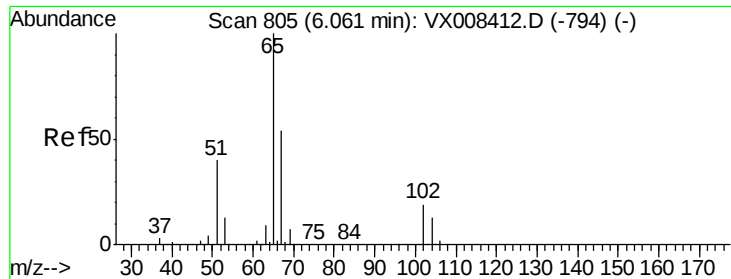
Tot Ion: 83 Resp: 20058
Ion Ratio Lower Upper
83 100
85 24.3 51.4 77.2#



#31
Cyclohexane
Concen: 20.254 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 56 Resp: 110455
Ion Ratio Lower Upper
56 100
69 19.0 23.2 34.8#
84 70.9 60.7 91.1





#33

1,2-Dichloroethane-d4

Concen: 45.823 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

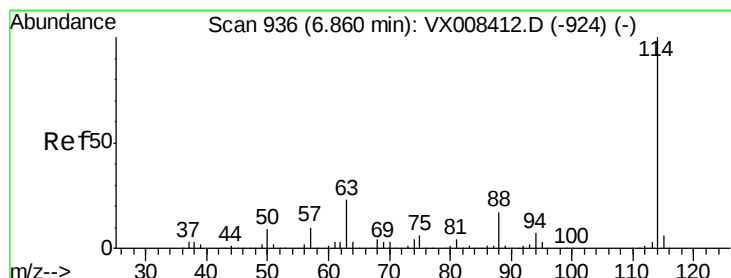
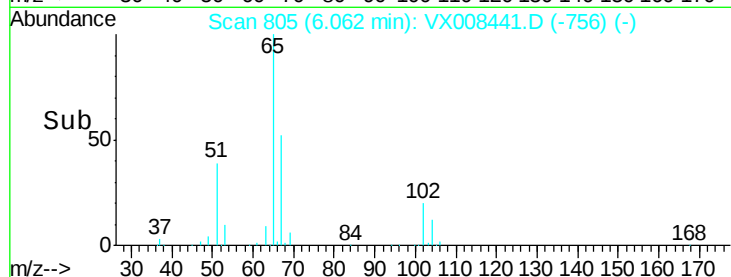
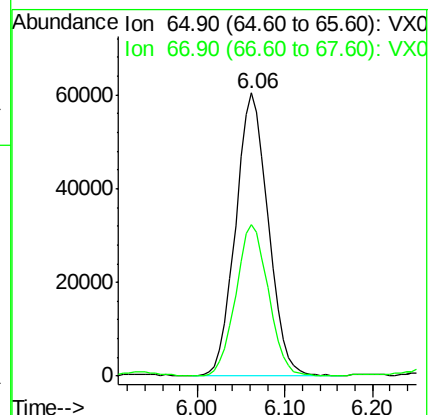
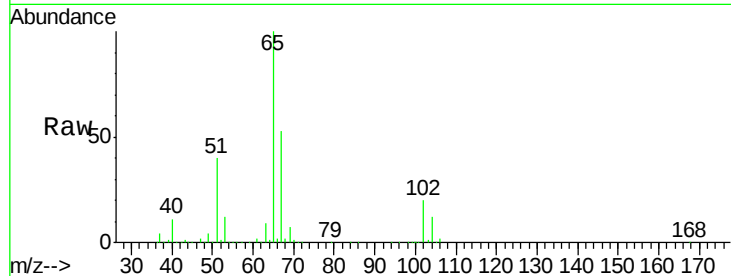
MW-3

Tot Ion: 65 Resp: 155899

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

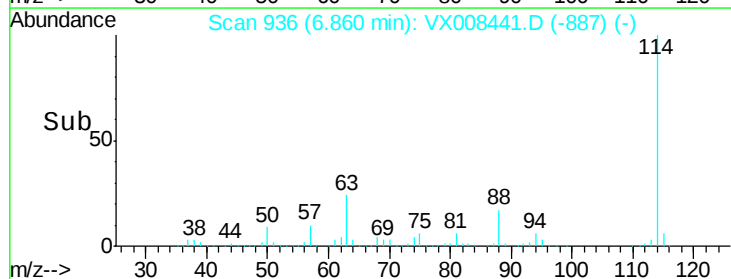
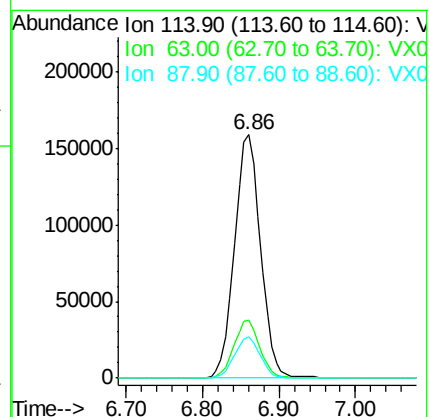
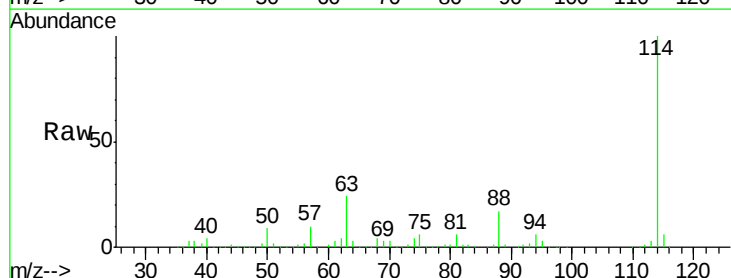
Tgt Ion: 114 Resp: 375184

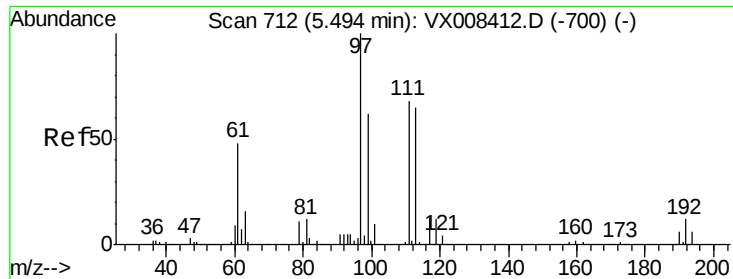
Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.4

88 16.7 0.0 33.2

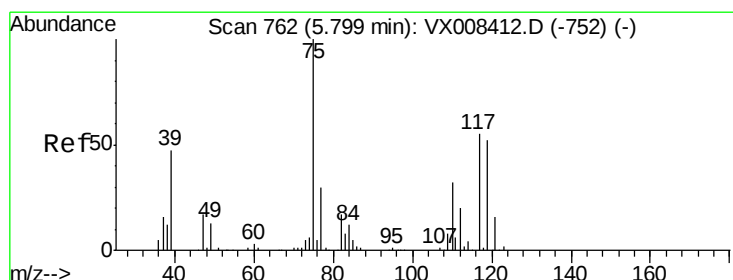
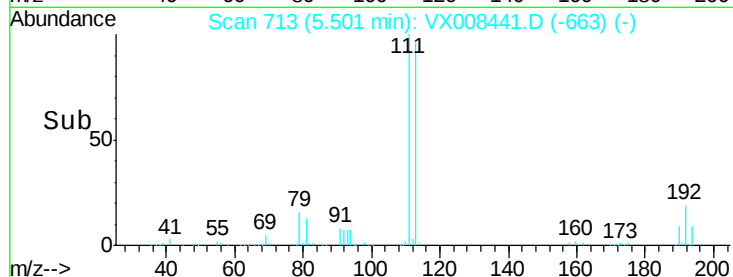
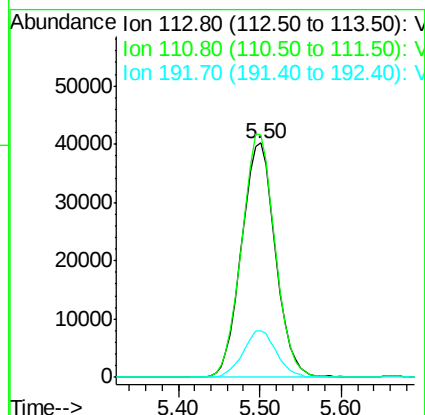
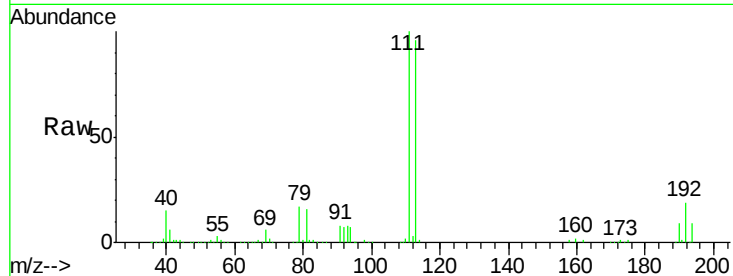




#35
 Dibromofluoromethane
 Concen: 47.556 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

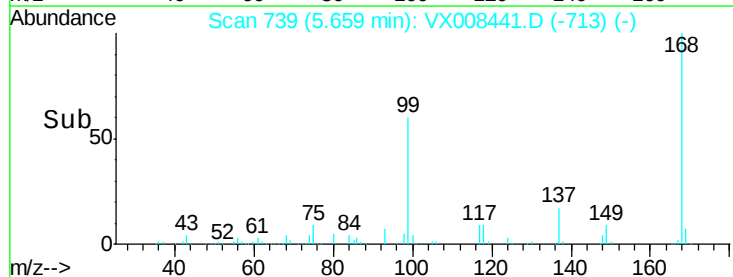
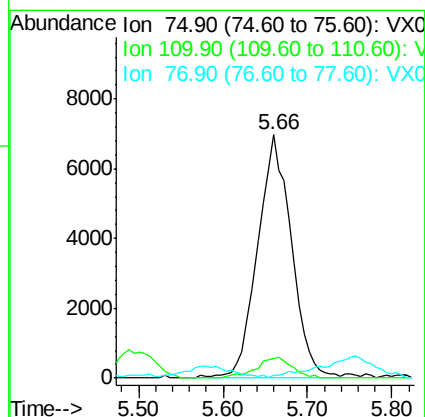
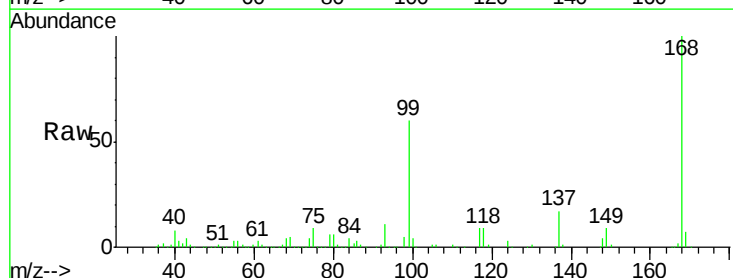
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

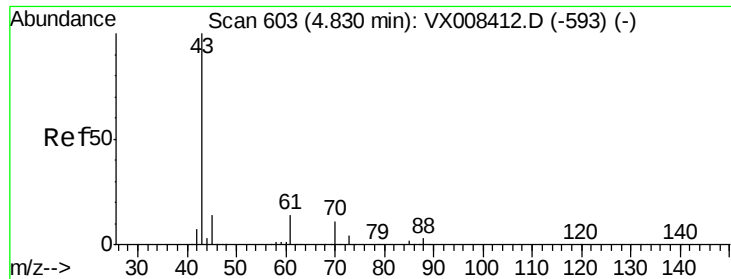
Tot Ion:113 Resp: 116339
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.4
 192 19.6 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Tgt Ion: 75 Resp: 19223
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.7#
 77 0.0 24.2 36.2#

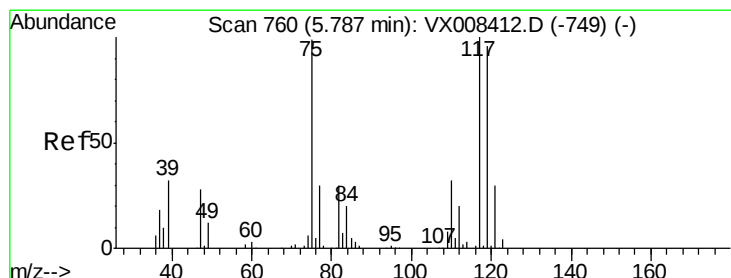
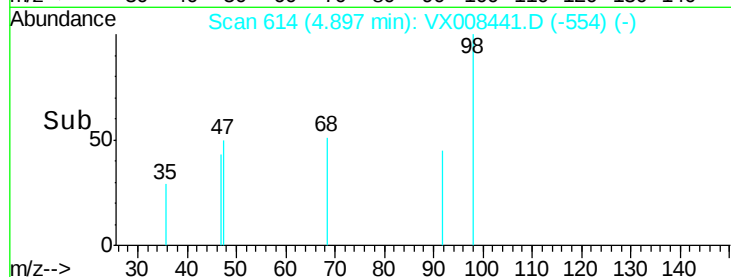
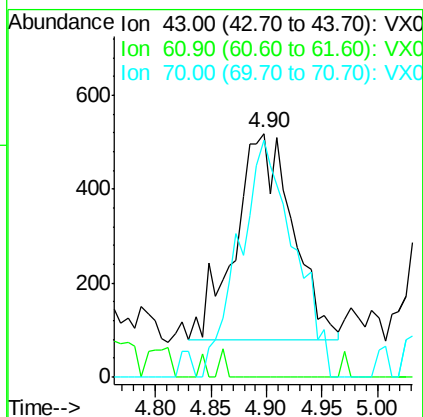
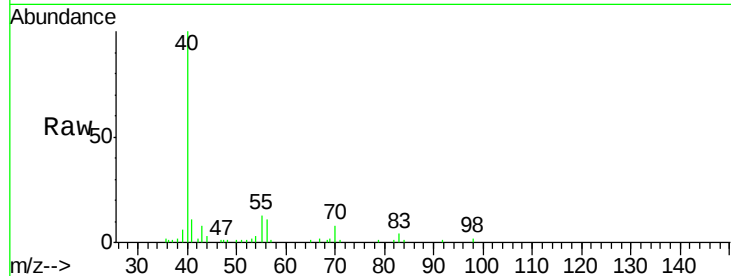




#37
Ethyl Acetate
Concen: 0.305 ug/l
RT: 4.90 min Scan# 614
Delta R.T. 0.07 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

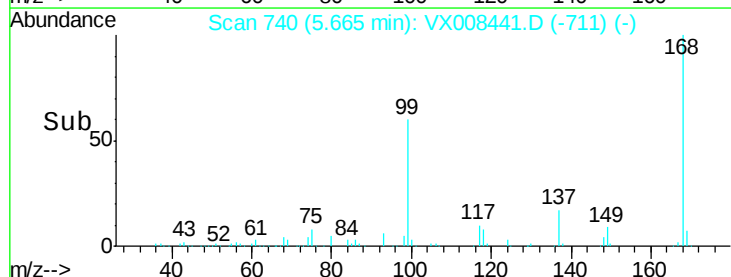
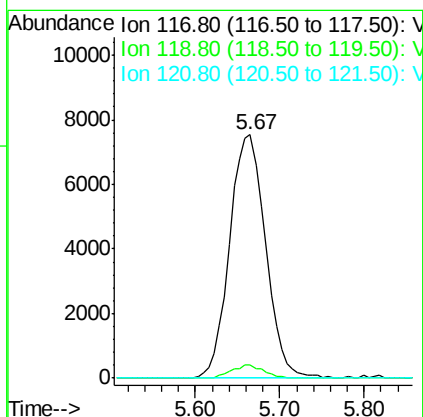
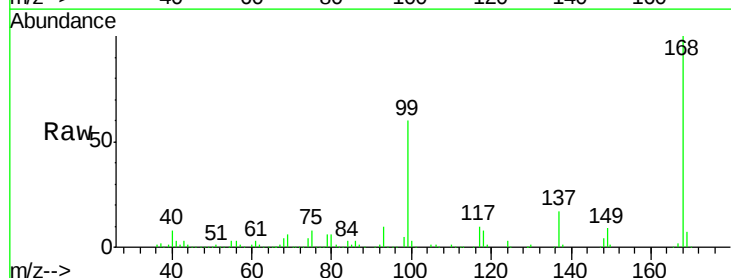
Instrument :
MSVOA_X
ClientSampled :
MW-3

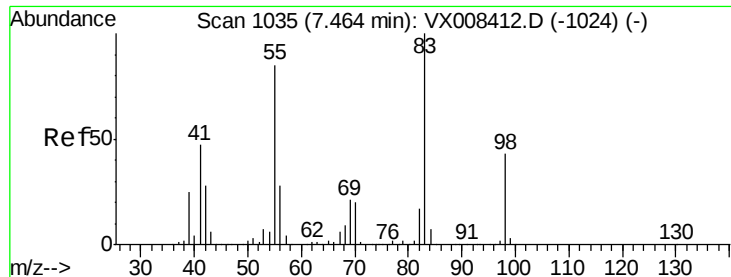
Tot Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 109.4 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 117 Resp: 21775
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 24.3 36.5#

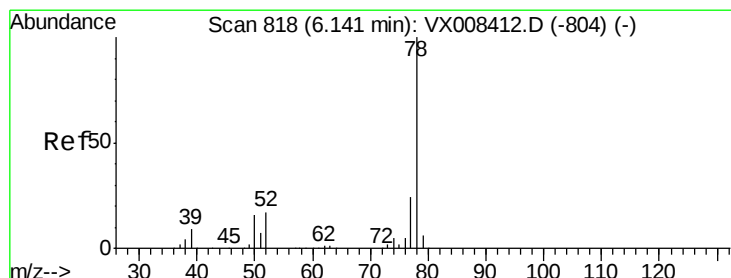
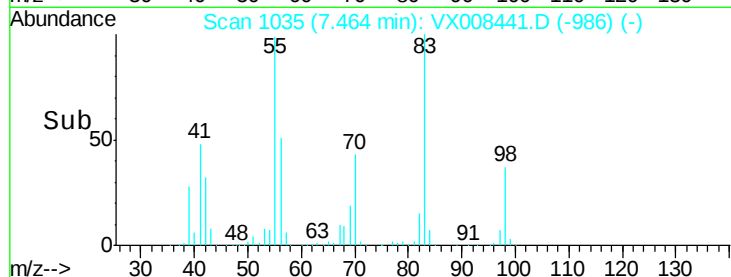
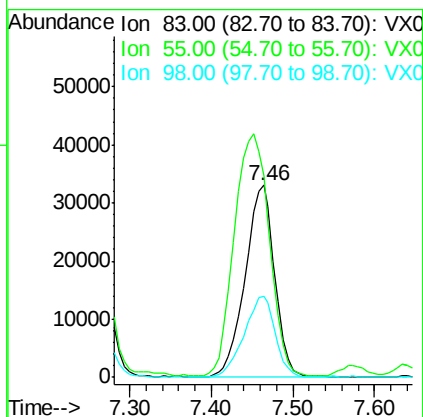
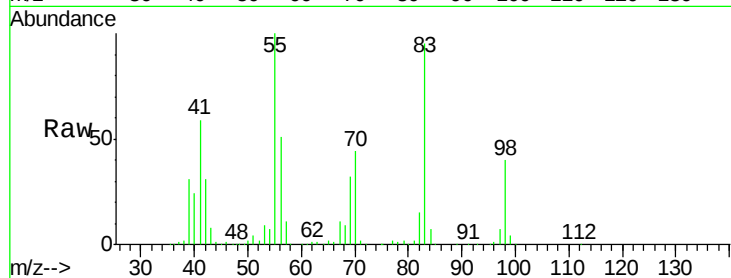




#39
Methvlcvclohexane
Concen: 17.298 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

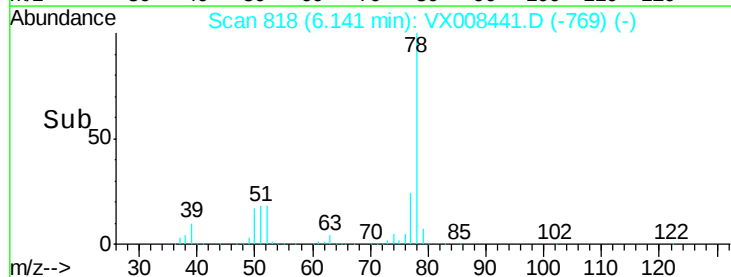
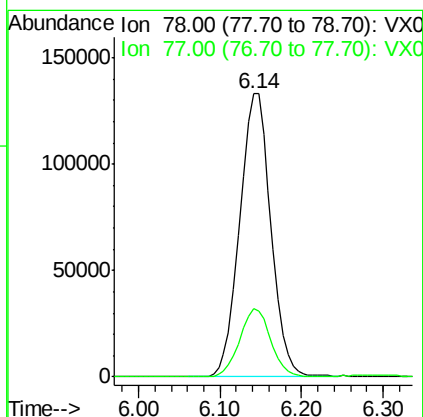
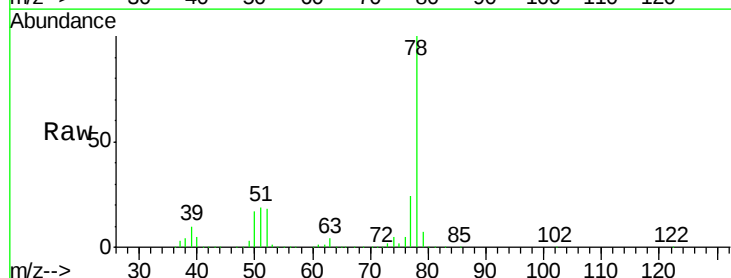
Instrument :
MSVOA_X
ClientSampled :
MW-3

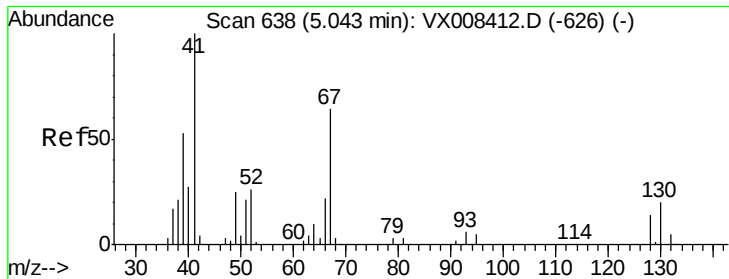
Tot Ion: 83 Resp: 82696
Ion Ratio Lower Upper
83 100
55 104.4 68.2 102.4#
98 42.2 34.2 51.4



#40
Benzene
Concen: 29.549 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 78 Resp: 353875
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9





#41

Methacrylonitrile

Concen: 0.652 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.02 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 41 Resp: 1899

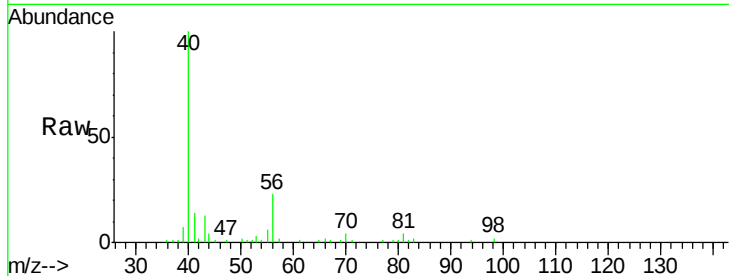
Ion Ratio Lower Upper

41 100

39 0.0 42.6 64.0#

67 0.0 52.2 78.4#

52 2.0 21.4 32.0#

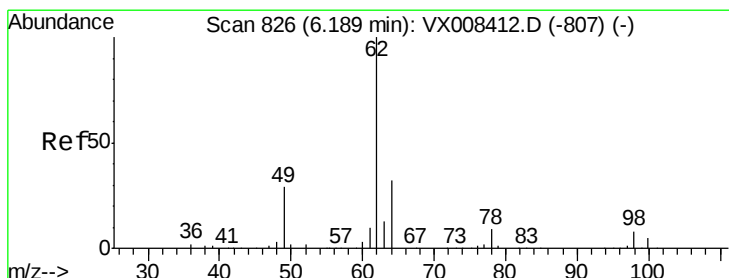
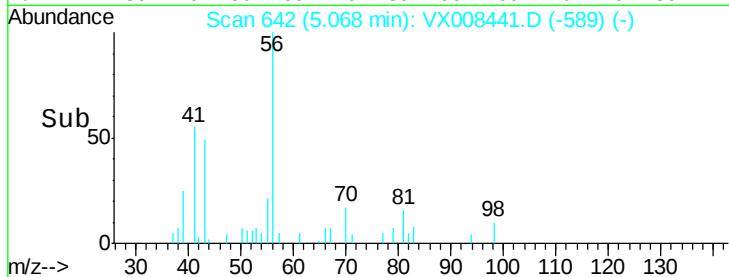
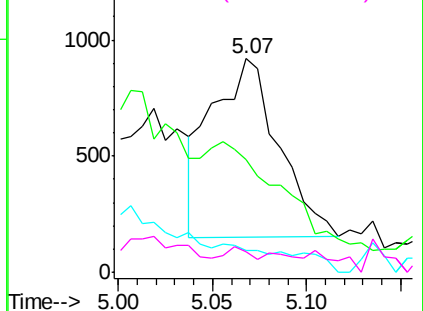


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.775 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.04 min

Lab File: VX008441.D

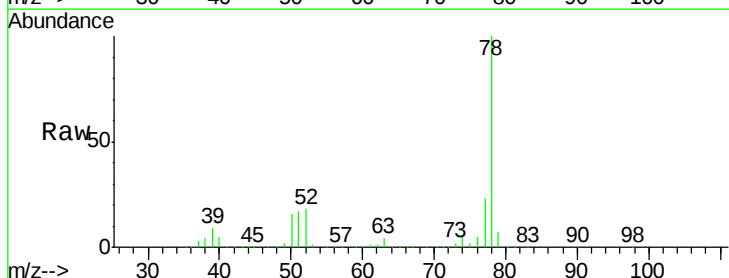
Acq: 26 Mar 2019 03:35

Tgt Ion: 62 Resp: 3397

Ion Ratio Lower Upper

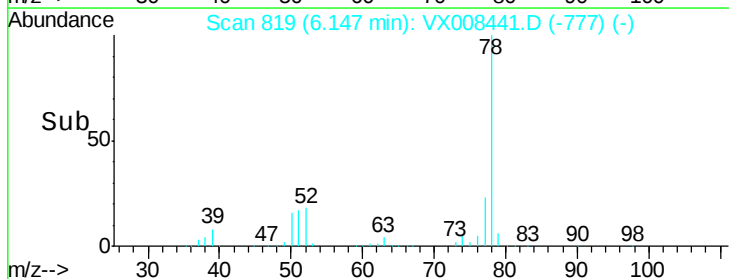
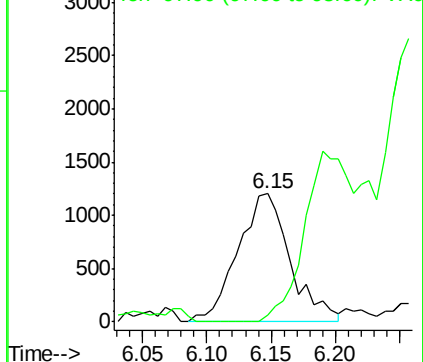
62 100

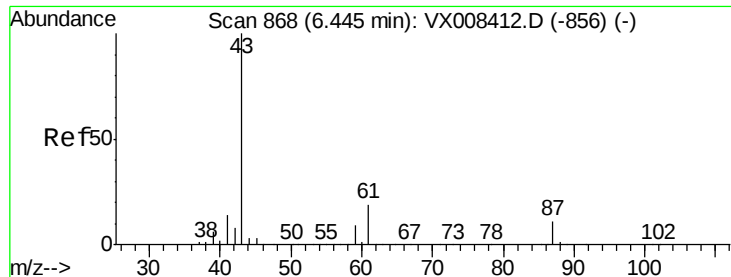
98 0.0 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 1.393 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

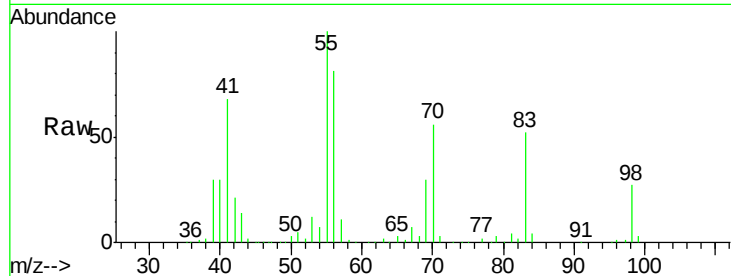
Tot Ion: 43 Resp: 11549

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.2#

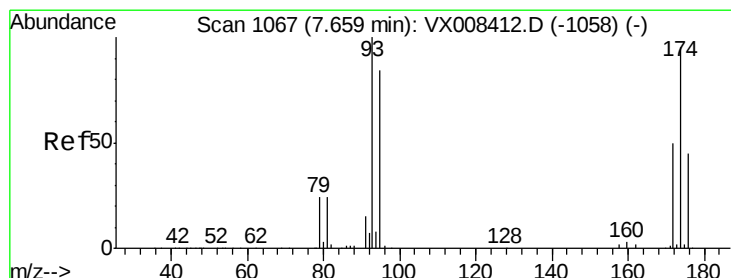
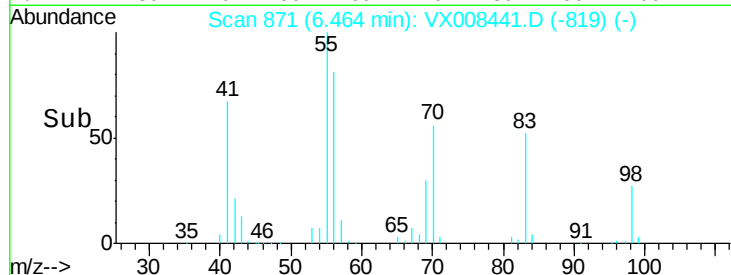
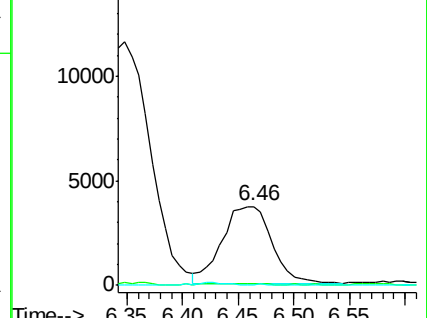
87 0.2 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#46

Dibromomethane

Concen: 0.412 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

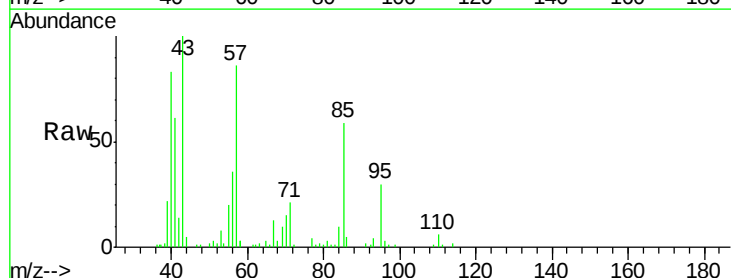
Tgt Ion: 93 Resp: 819

Ion Ratio Lower Upper

93 100

95 1085.7 67.0 100.6#

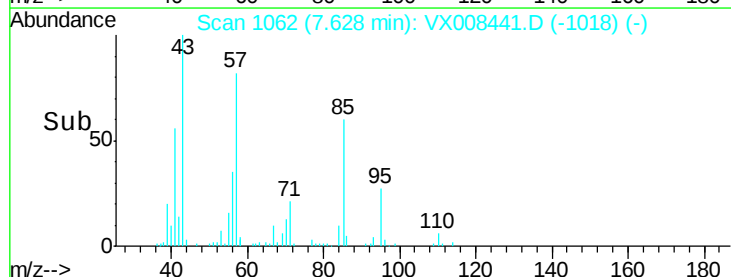
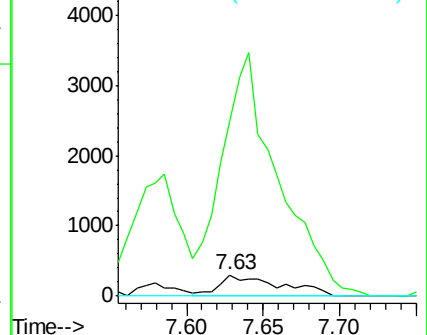
174 0.0 76.0 114.0#

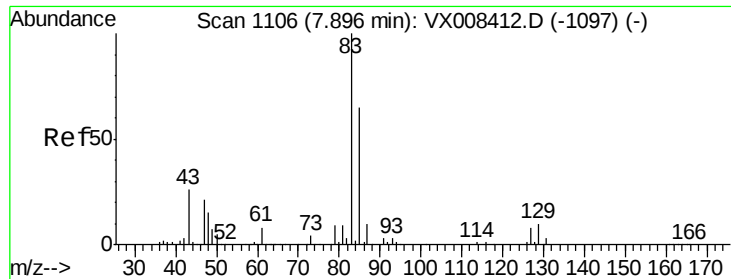


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.073 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

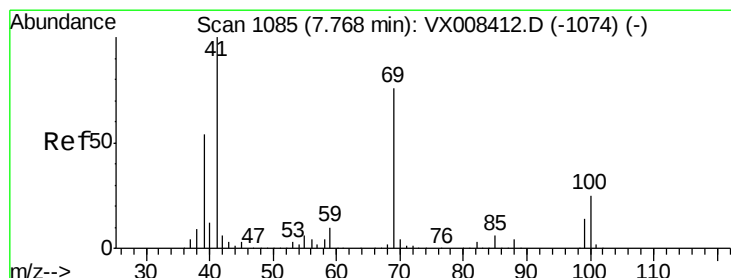
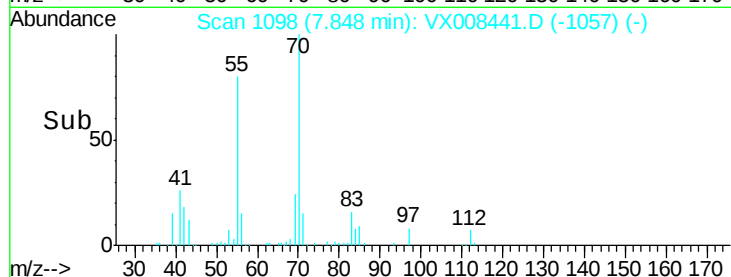
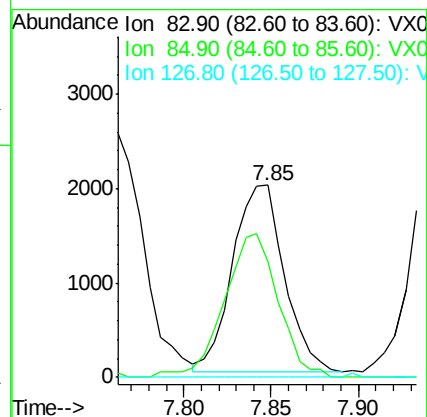
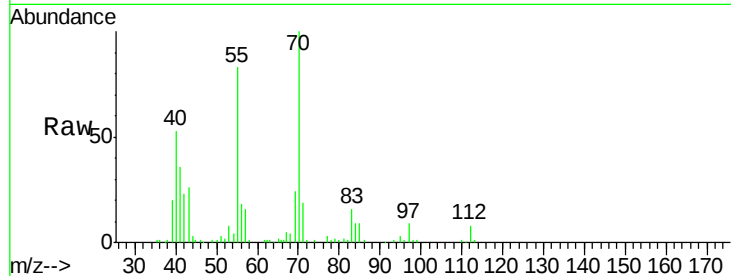
Tot Ion: 83 Resp: 4083

Ion Ratio Lower Upper

83 100

85 61.6 52.0 78.0

127 0.0 6.4 9.6#



#48

Methyl methacrylate

Concen: 4.973 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

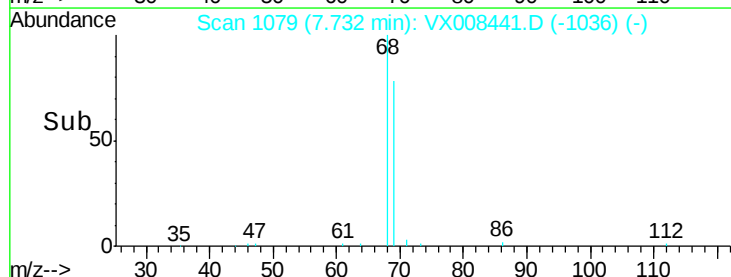
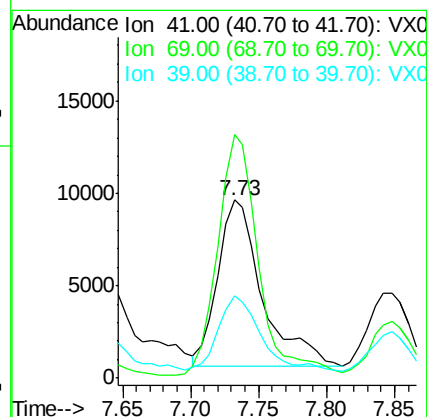
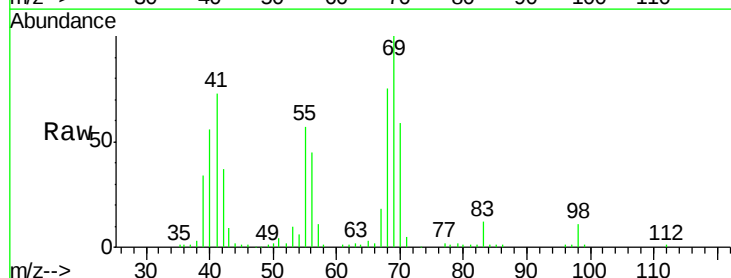
Tgt Ion: 41 Resp: 20624

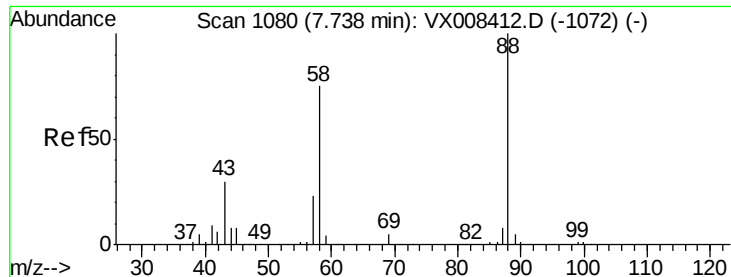
Ion Ratio Lower Upper

41 100

69 131.6 60.8 91.2#

39 43.6 42.3 63.5





#49

1,4-Dioxane

Concen: 0.267 ug/l

RT: 7.96 min Scan# 1116

Delta R.T. 0.22 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

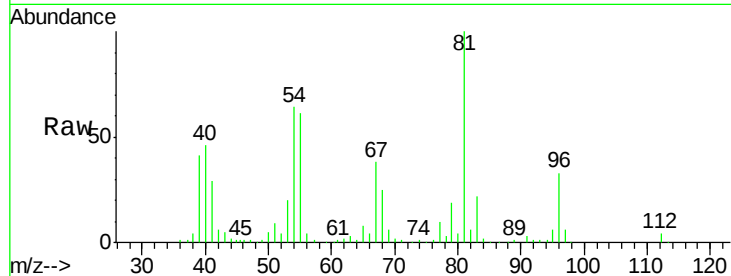
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

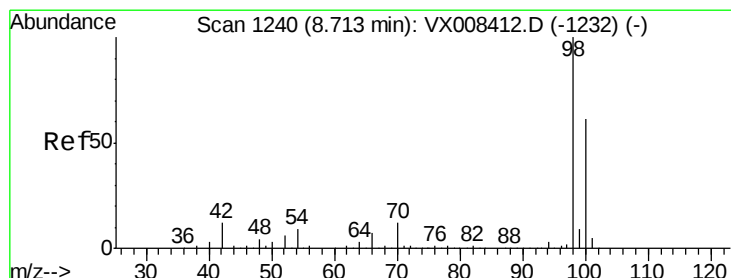
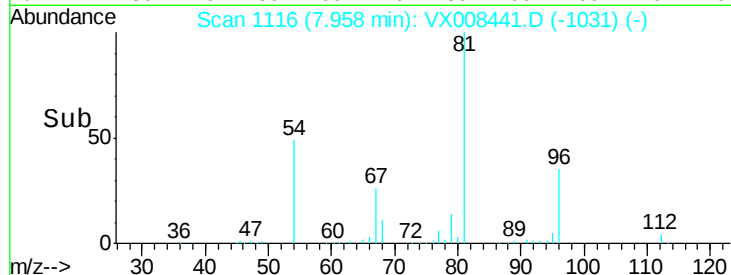
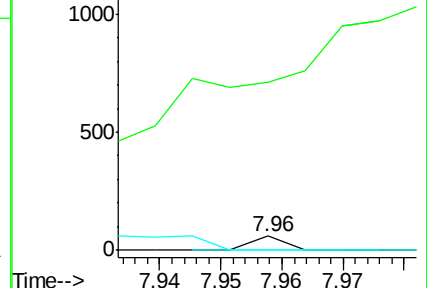
58 0.0 63.0 94.4#



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



#50

Toluene-d8

Concen: 48.446 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008441.D

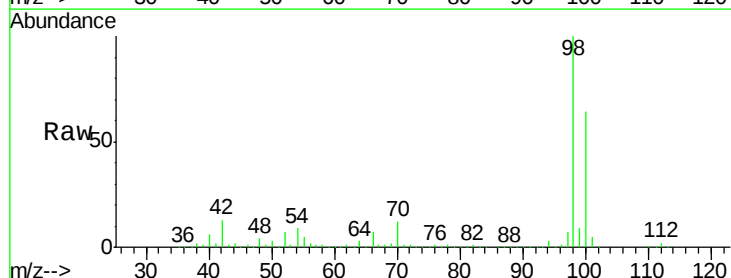
Acq: 26 Mar 2019 03:35

Tgt Ion: 98 Resp: 473900

Ion Ratio Lower Upper

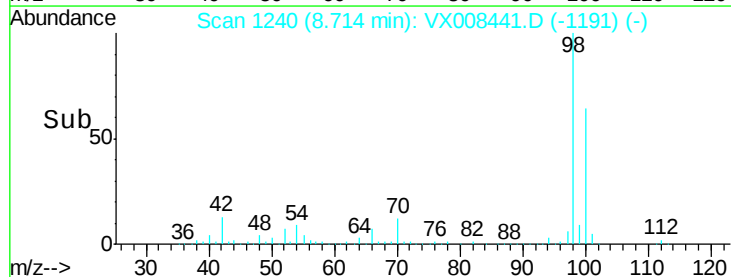
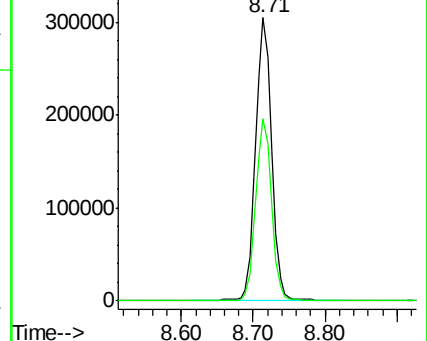
98 100

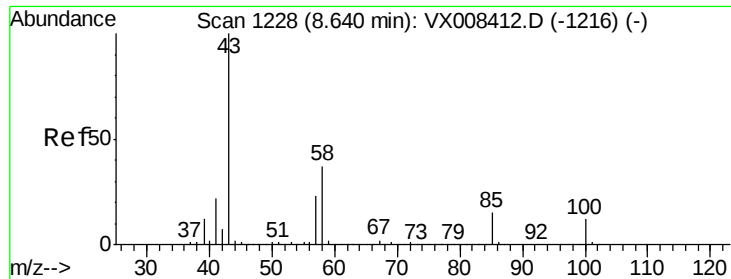
100 63.4 51.1 76.7



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: 1.129 ug/l

RT: 8.67 min Scan# 1233

Delta R.T. 0.03 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

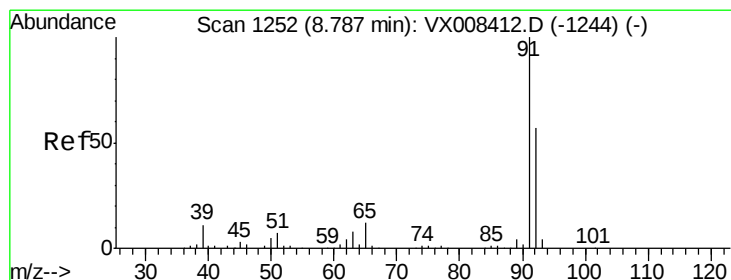
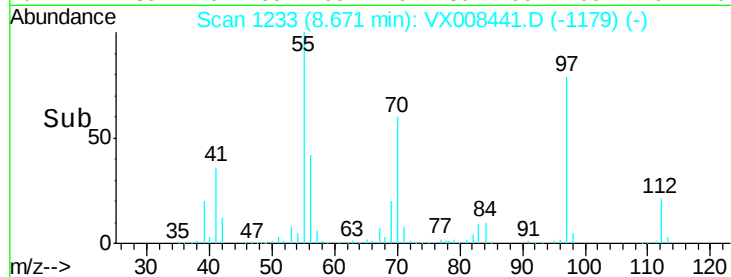
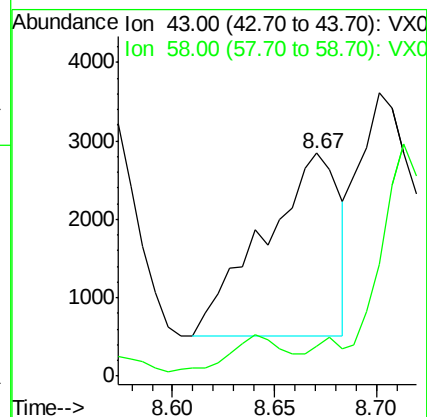
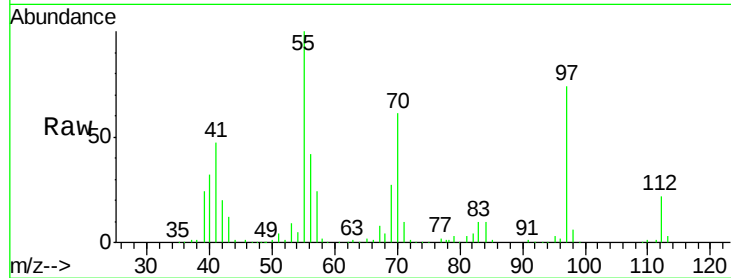
MW-3

Tot Ion: 43 Resp: 6077

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



#52

Toluene

Concen: 5.164 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008441.D

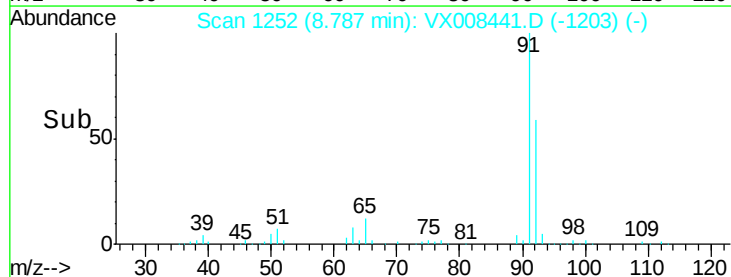
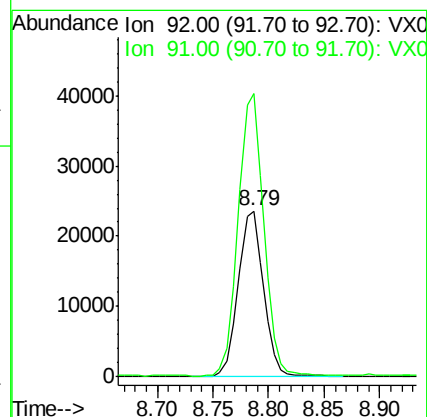
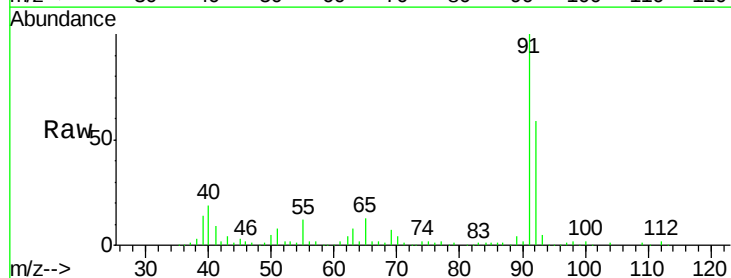
Acq: 26 Mar 2019 03:35

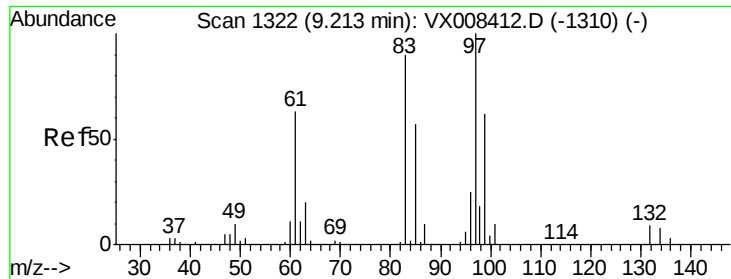
Tgt Ion: 92 Resp: 36976

Ion Ratio Lower Upper

92 100

91 172.4 140.2 210.4





#55

1,1,2-Trichloroethane

Concen: 16.409 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 97 Resp: 47830

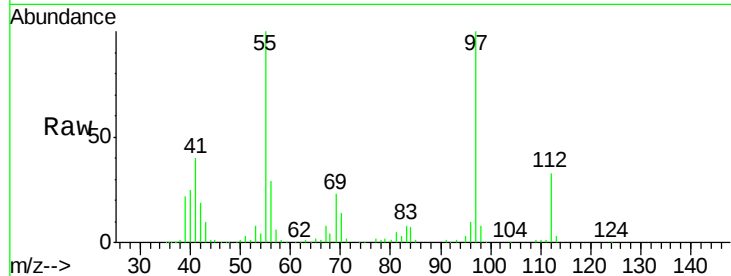
Ion Ratio Lower Upper

97 100

83 6.0 71.8 107.6#

85 0.5 45.9 68.9#

99 0.4 49.4 74.0#

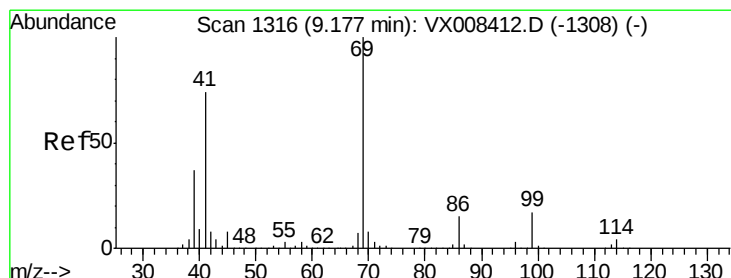
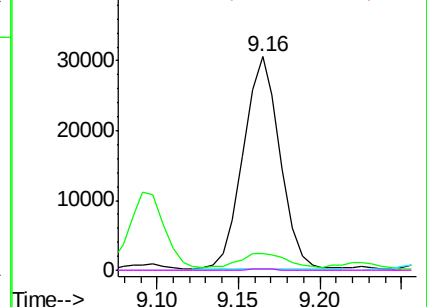
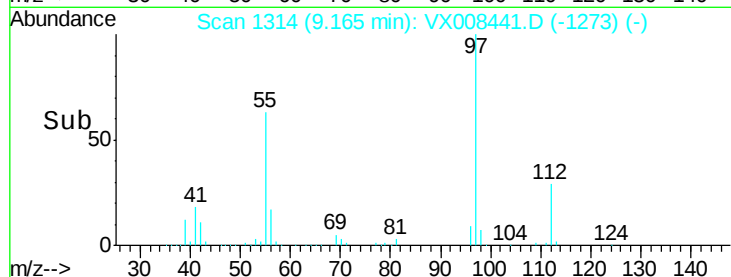


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 2.433 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

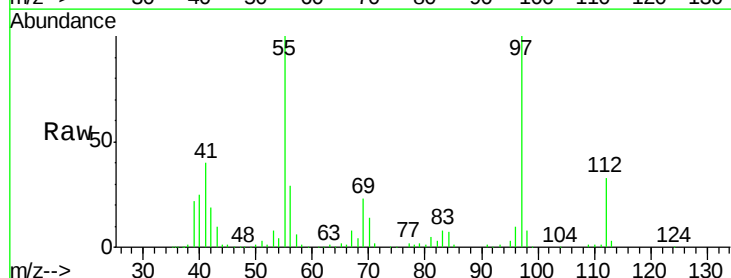
Tgt Ion: 69 Resp: 12800

Ion Ratio Lower Upper

69 100

41 131.8 59.5 89.3#

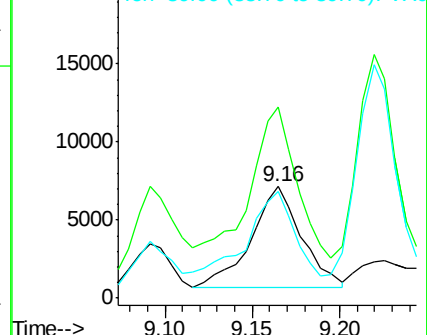
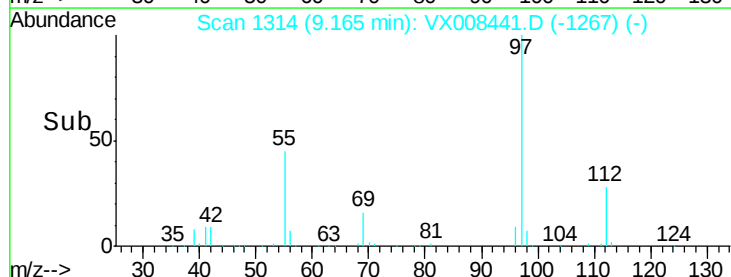
39 91.3 29.3 43.9#

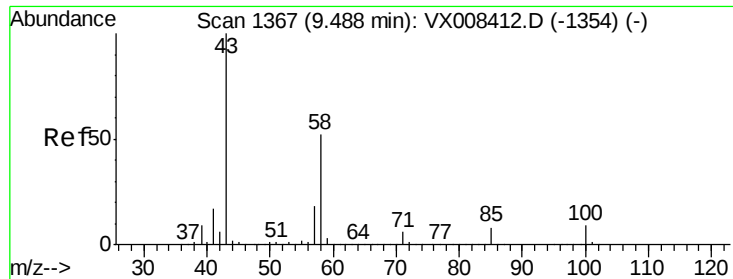


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

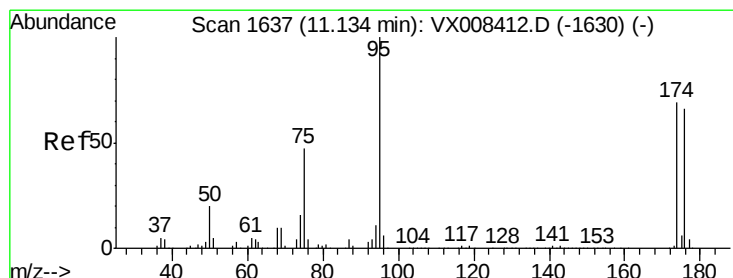
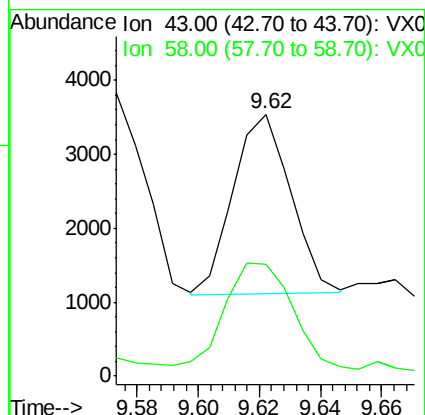
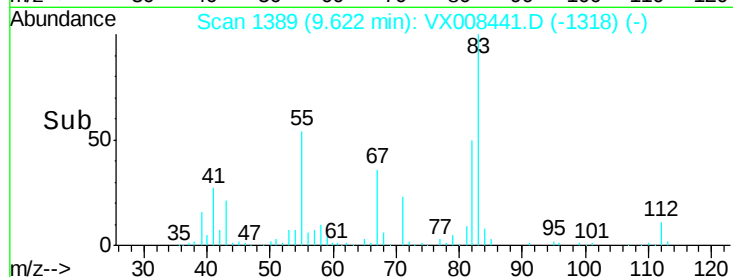
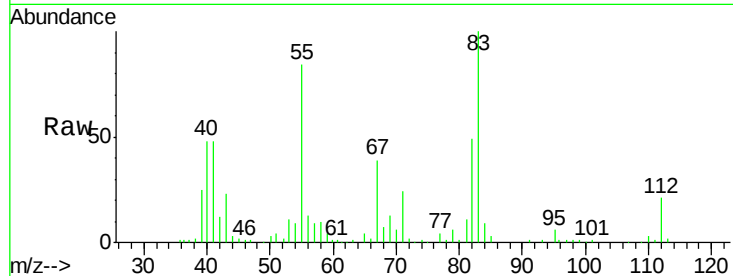




#59
2-Hexanone
Concen: 0.757 ug/l
RT: 9.62 min Scan# 1389
Delta R.T. 0.13 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

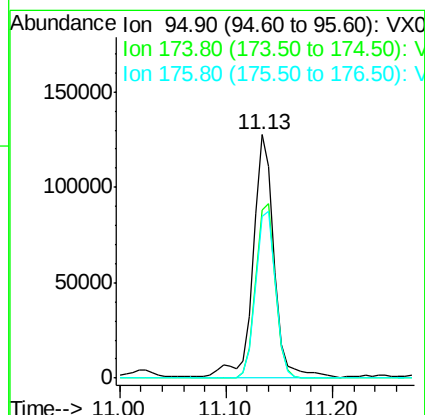
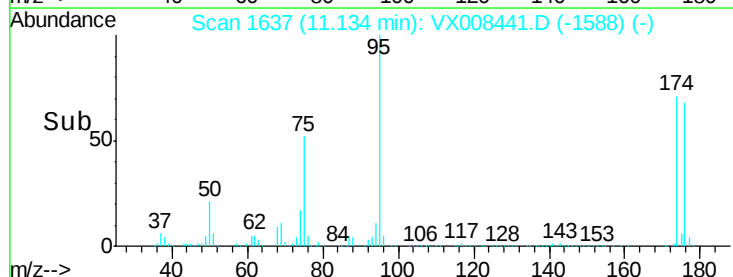
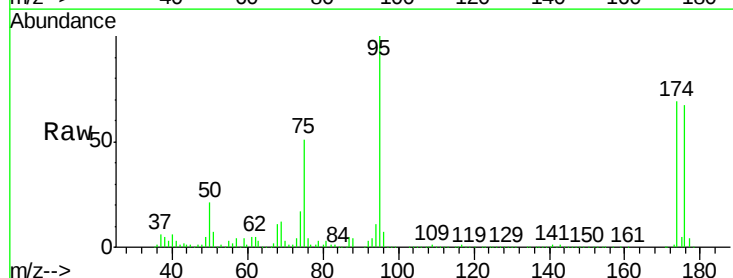
Instrument :
MSVOA_X
ClientSampled :
MW-3

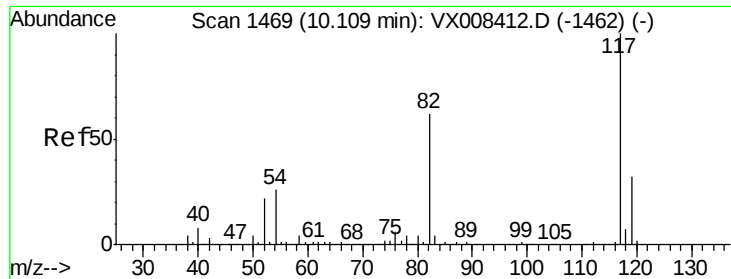
Tot Ion: 43 Resp: 3158
Ion Ratio Lower Upper
43 100
58 69.7 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 48.278 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 95 Resp: 175002
Ion Ratio Lower Upper
95 100
174 67.9 0.0 147.2
176 65.8 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

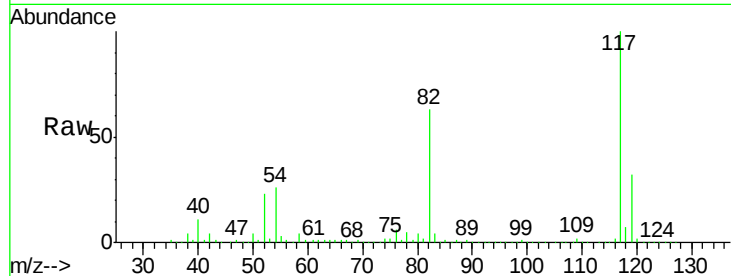
Tot Ion:117 Resp: 317612

Ion Ratio Lower Upper

117 100

82 63.1 49.4 74.2

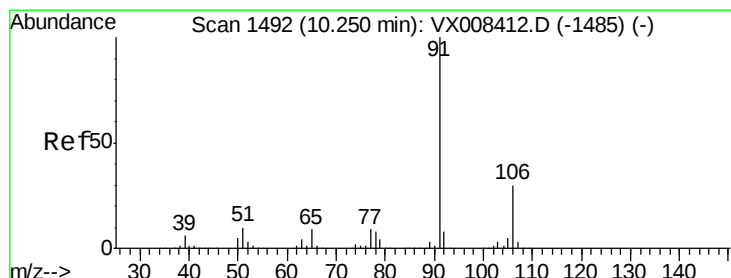
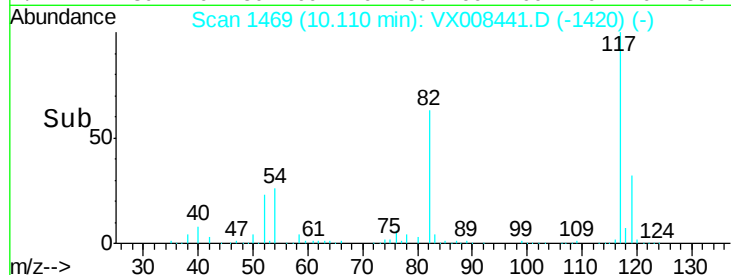
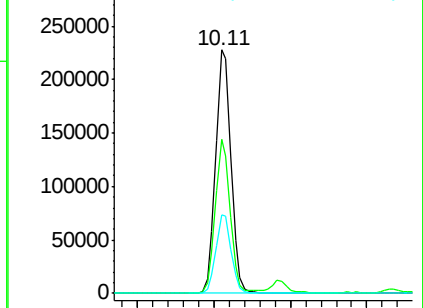
119 32.1 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 17.744 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008441.D

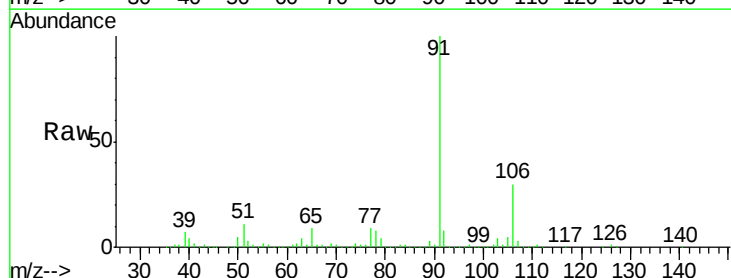
Acq: 26 Mar 2019 03:35

Tgt Ion: 91 Resp: 231303

Ion Ratio Lower Upper

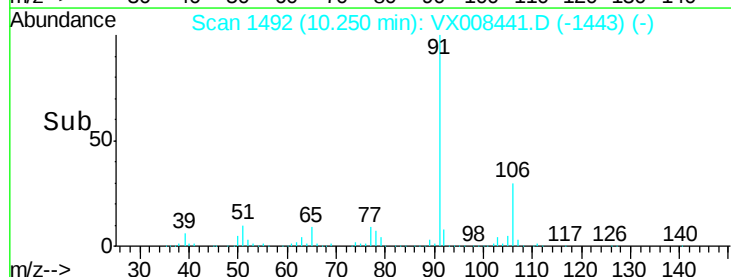
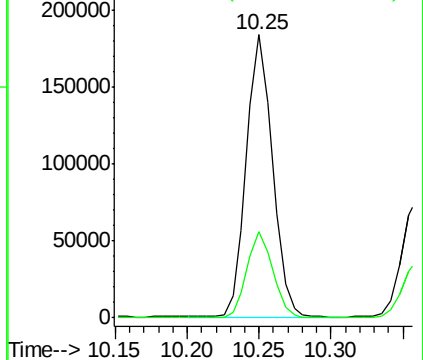
91 100

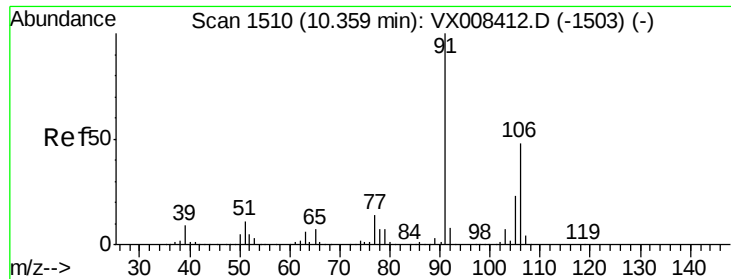
106 30.4 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

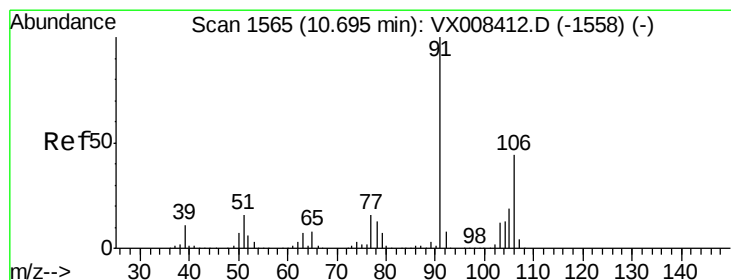
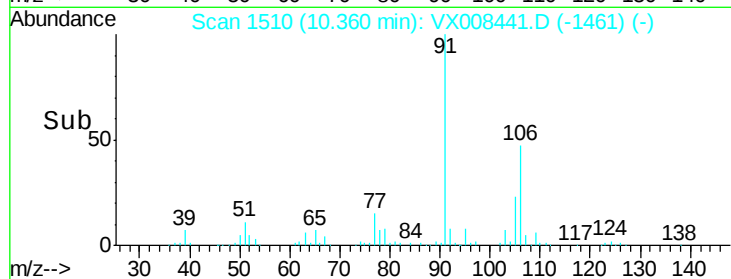
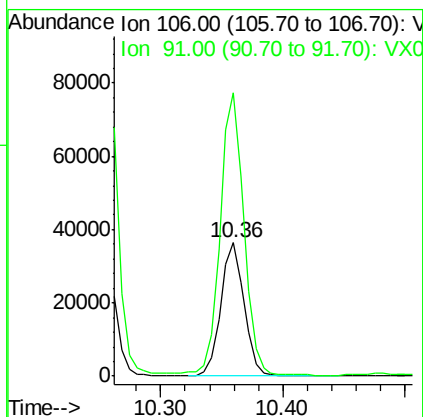
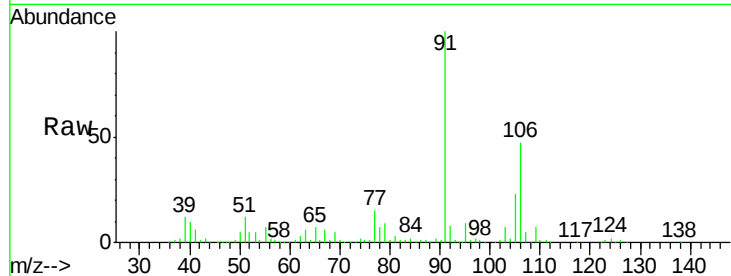




#68
m/p-Xylenes
Concen: 10.180 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

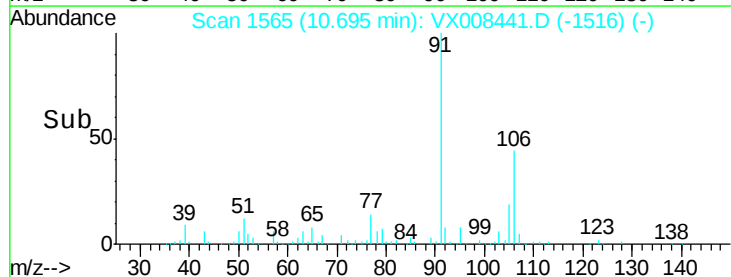
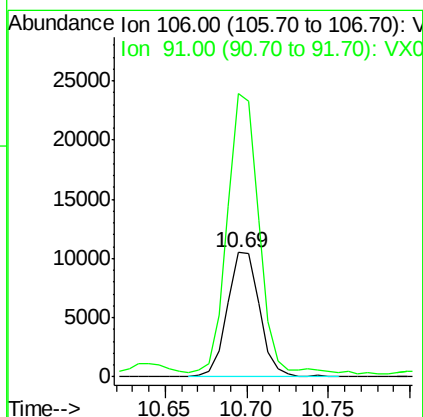
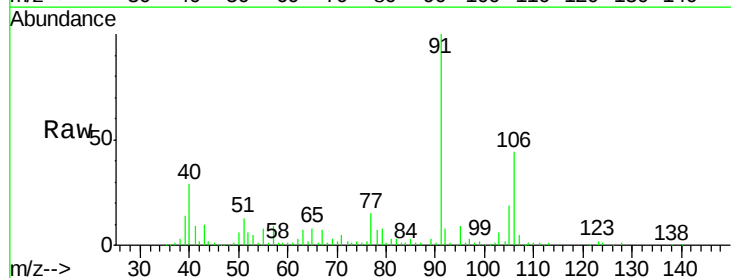
Instrument :
MSVOA_X
ClientSampled :
MW-3

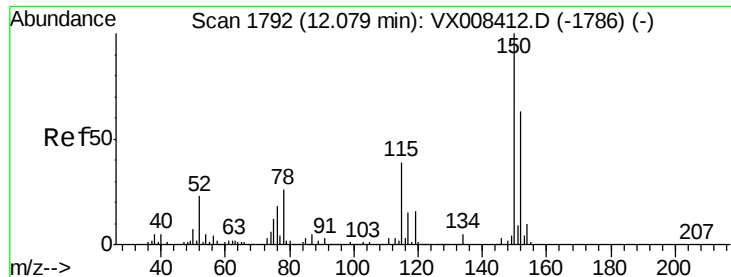
Tot Ion:106 Resp: 48275
Ion Ratio Lower Upper
106 100
91 215.1 168.6 253.0



#69
o-Xylene
Concen: 3.131 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion:106 Resp: 14410
Ion Ratio Lower Upper
106 100
91 214.2 111.4 334.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

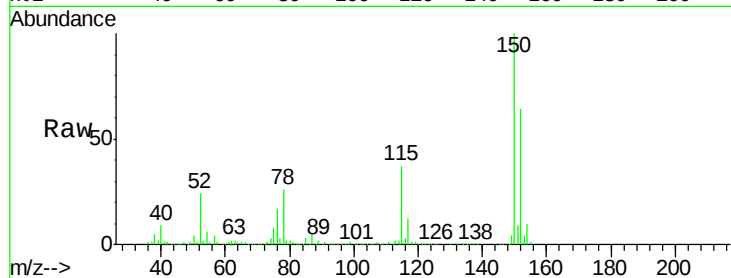
Tot Ion:152 Resp: 138938

Ion Ratio Lower Upper

152 100

115 61.0 43.5 130.5

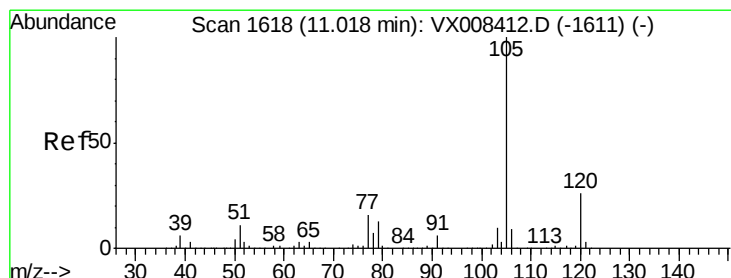
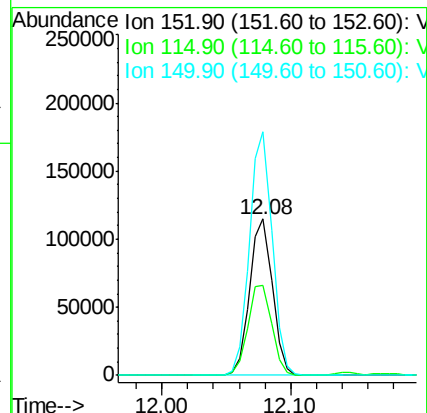
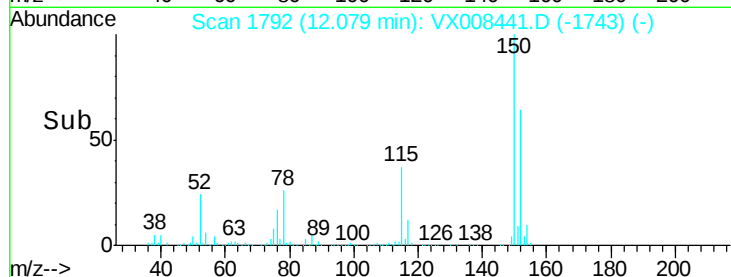
150 155.3 0.0 348.8



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: 69.754 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008441.D

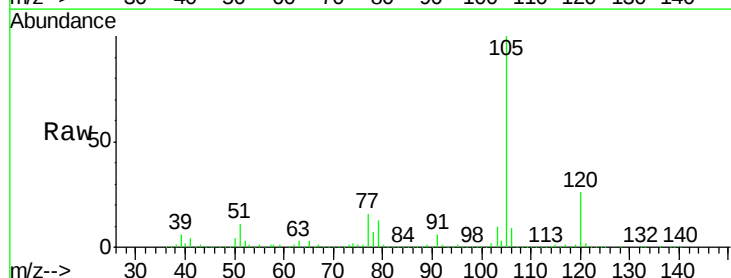
Acq: 26 Mar 2019 03:35

Tgt Ion:105 Resp: 788453

Ion Ratio Lower Upper

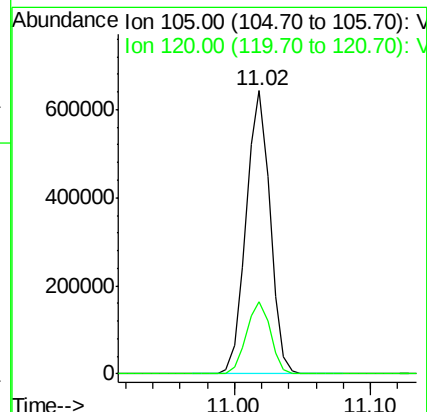
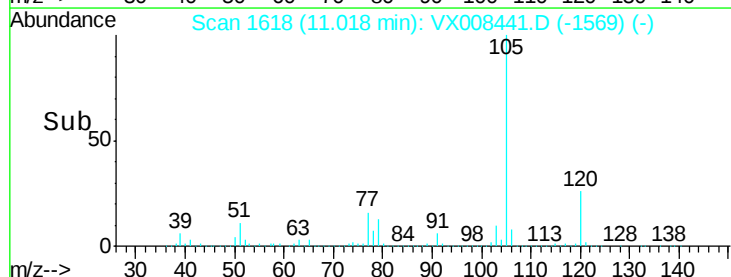
105 100

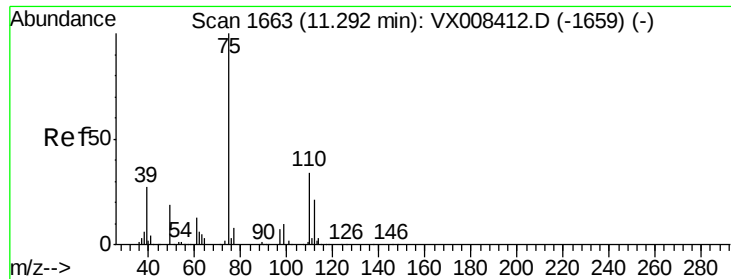
120 25.7 12.9 38.7



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: 1.011 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

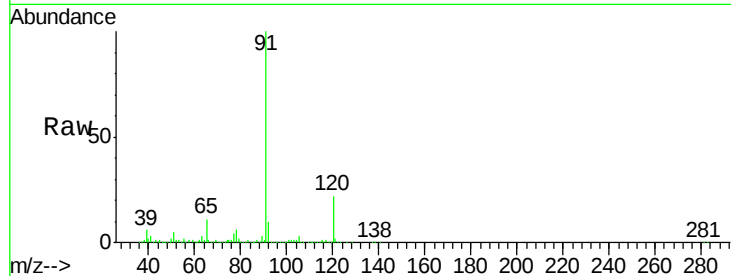
MW-3

Tot Ion: 75 Resp: 4175

Ion Ratio Lower Upper

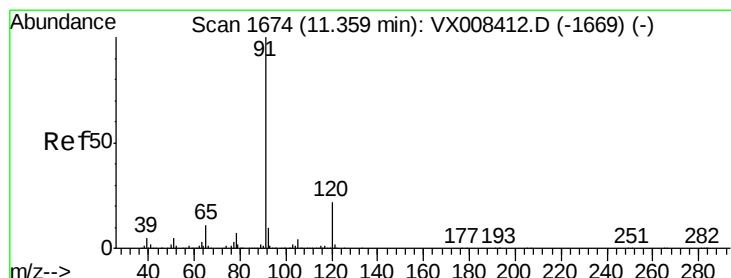
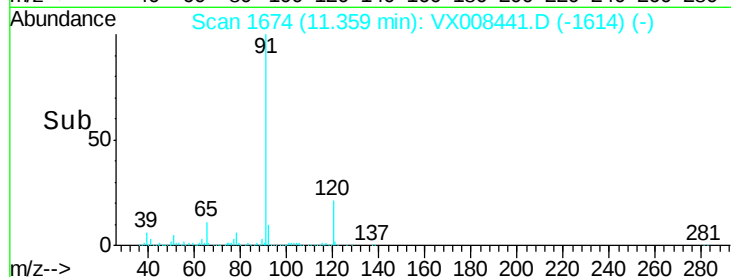
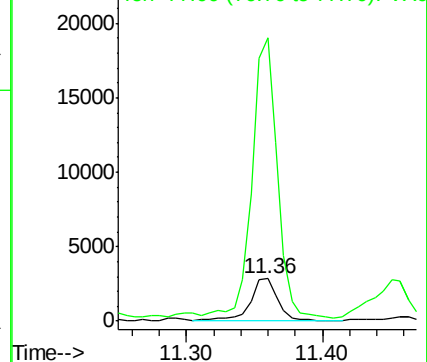
75 100

77 593.6 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 44.916 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008441.D

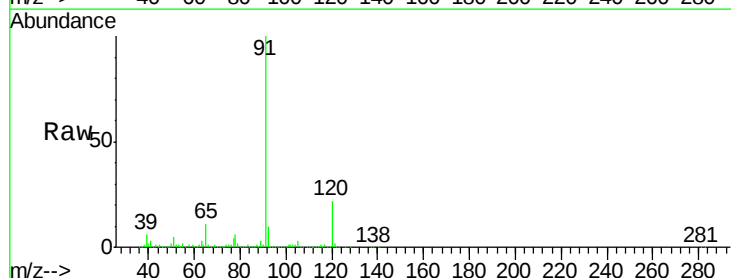
Acq: 26 Mar 2019 03:35

Tgt Ion: 91 Resp: 594736

Ion Ratio Lower Upper

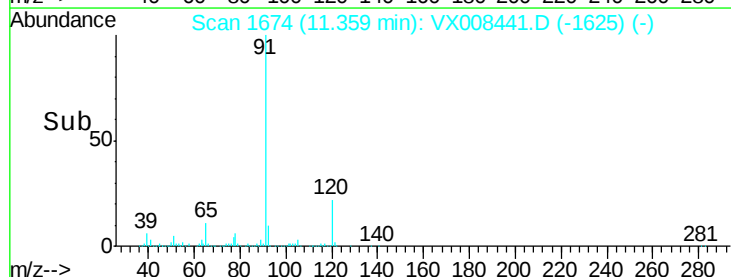
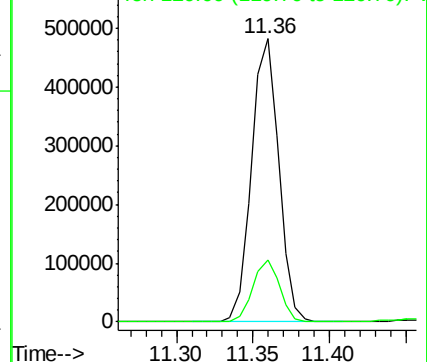
91 100

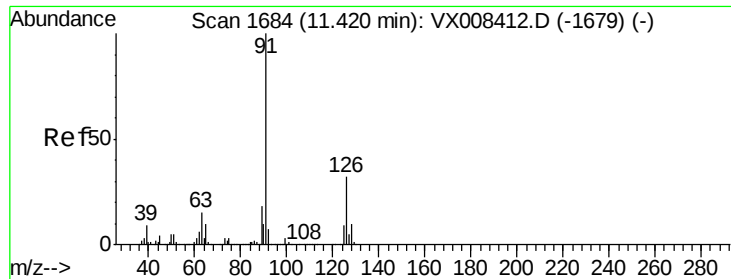
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

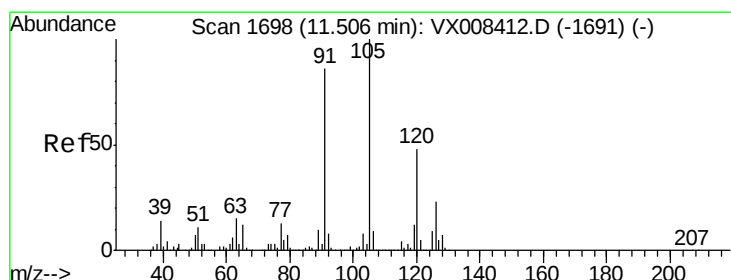
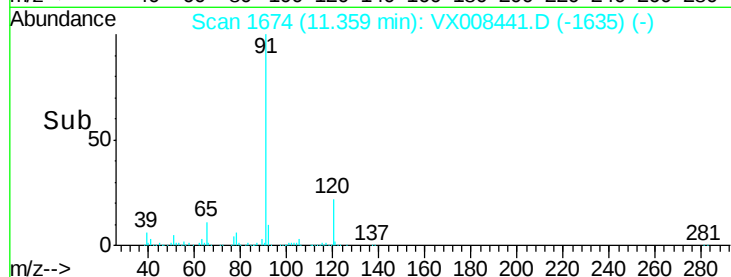
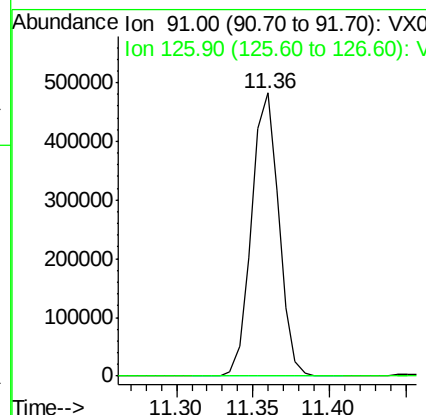
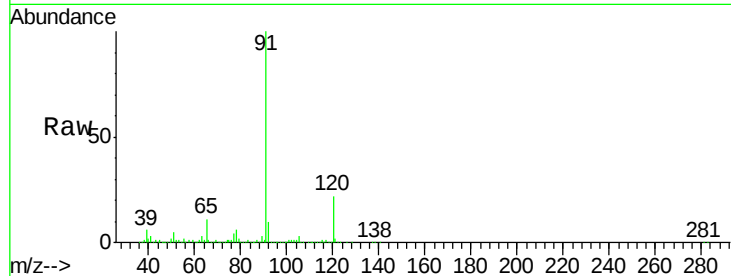




#79
 2-Chlorotoluene
 Concen: 73.846 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.06 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

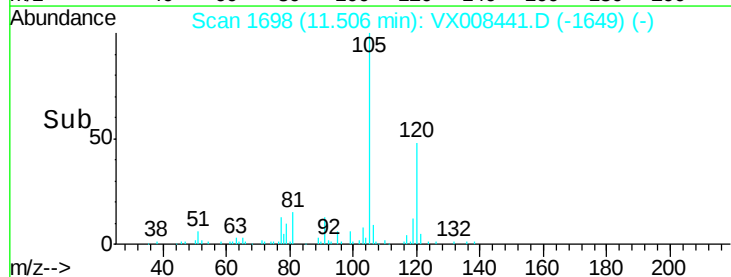
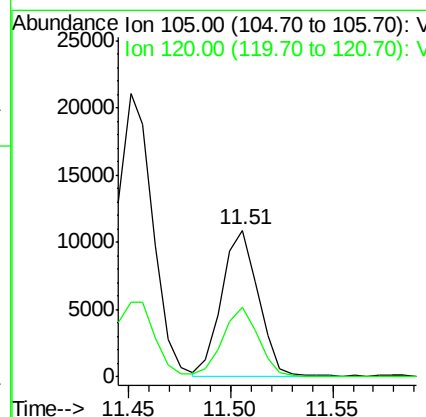
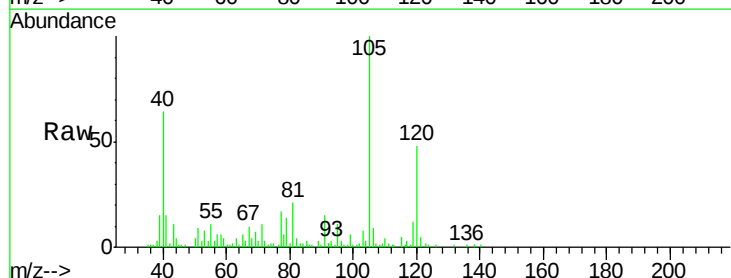
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

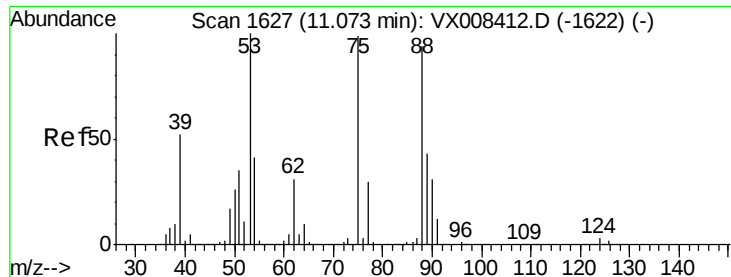
Tot Ion: 91 Resp: 594736
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.7 47.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.405 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Tgt Ion:105 Resp: 13422
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 7.409 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

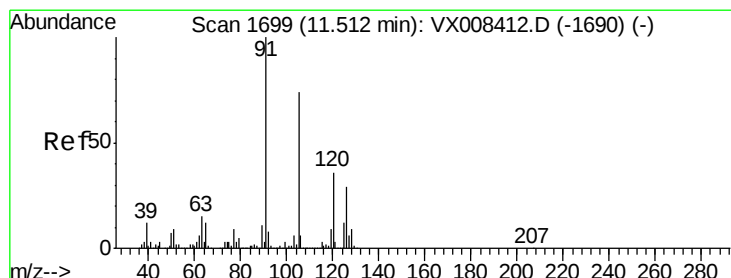
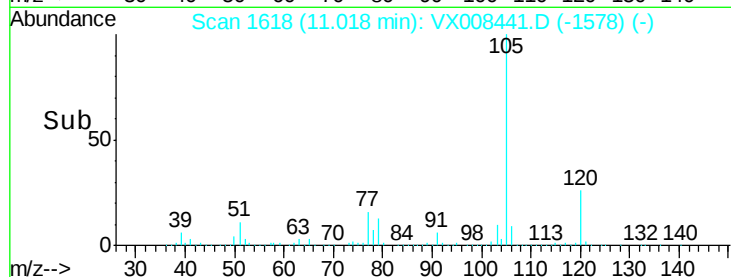
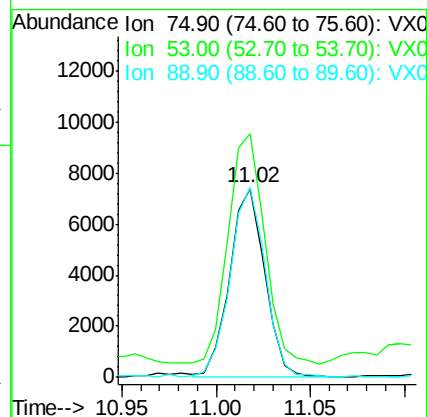
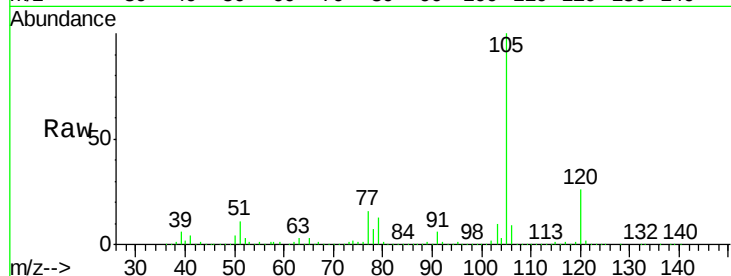
Tot Ion: 75 Resp: 9555

Ion Ratio Lower Upper

75 100

53 126.6 82.1 123.1#

89 101.8 34.6 52.0#



#82

4-Chlorotoluene

Concen: 64.019 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX008441.D

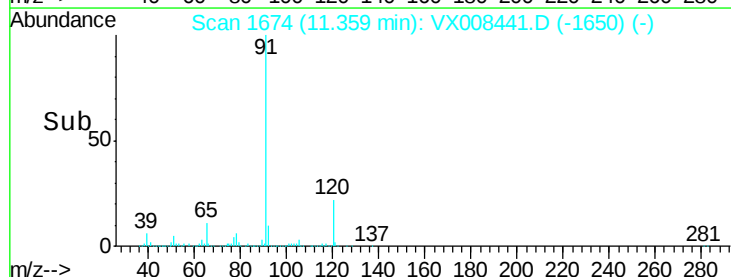
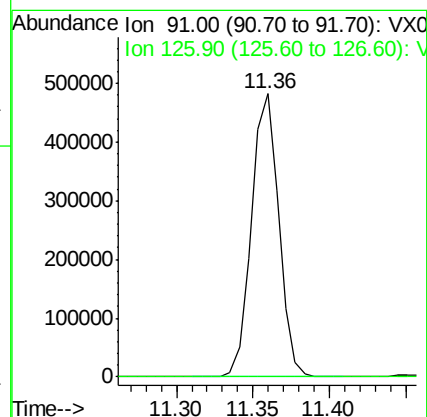
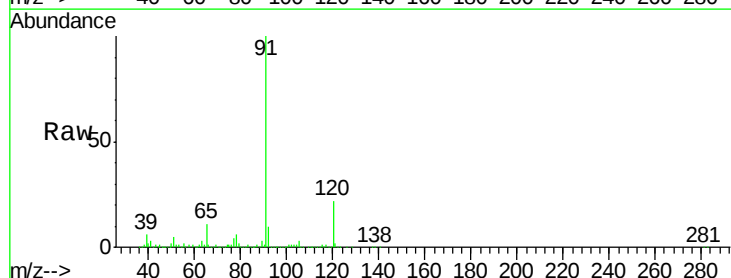
Acq: 26 Mar 2019 03:35

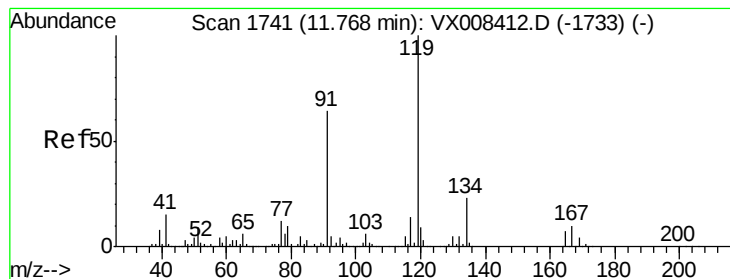
Tgt Ion: 91 Resp: 594736

Ion Ratio Lower Upper

91 100

126 0.0 13.9 41.7#





#83

tert-Butylbenzene

Concen: 2.838 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

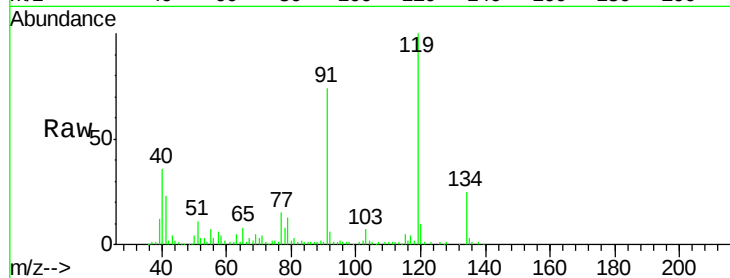
Tot Ion:119 Resp: 26162

Ion Ratio Lower Upper

119 100

91 71.1 30.1 90.3

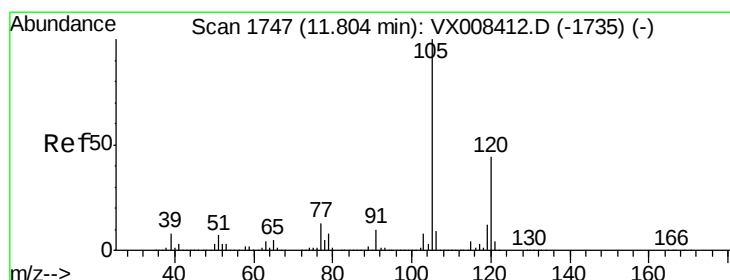
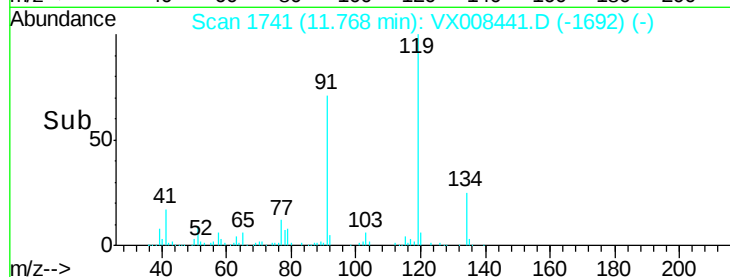
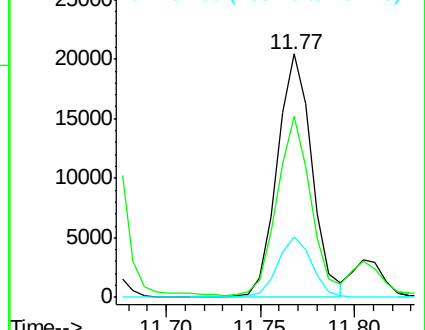
134 24.3 10.9 32.9



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: 3.263 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008441.D

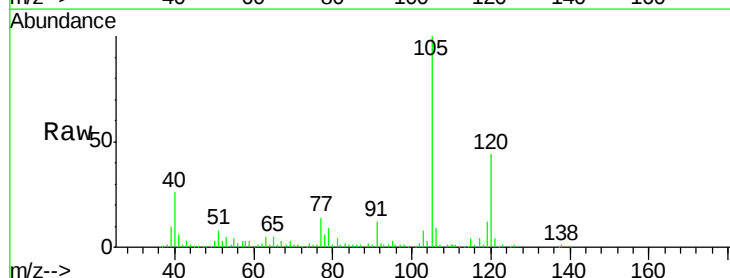
Acq: 26 Mar 2019 03:35

Tgt Ion:105 Resp: 31537

Ion Ratio Lower Upper

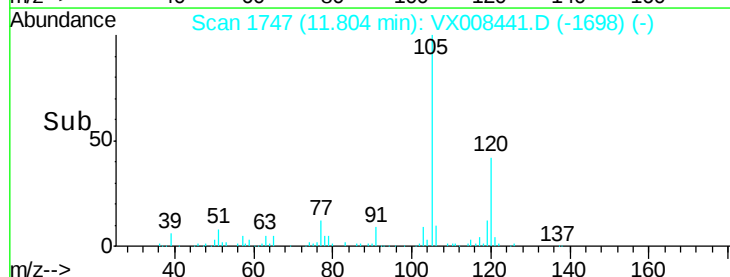
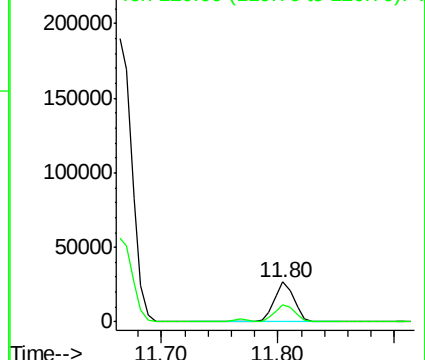
105 100

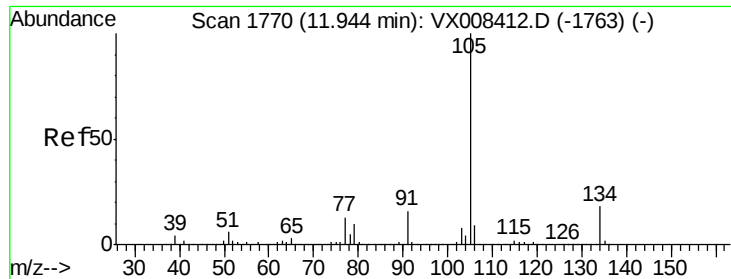
120 43.5 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 7.060 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

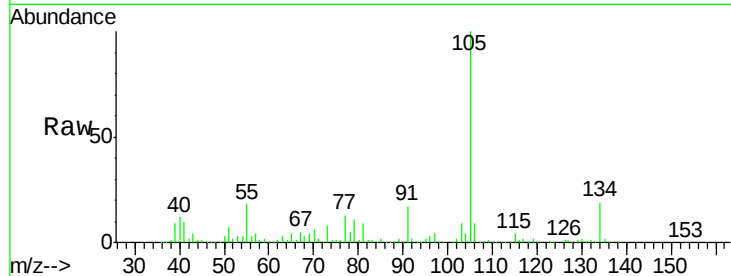
MW-3

Tot Ion:105 Resp: 77516

Ion Ratio Lower Upper

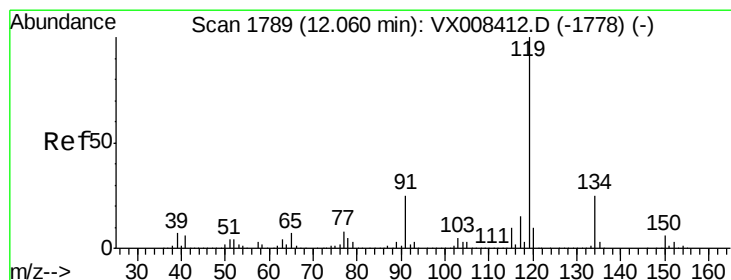
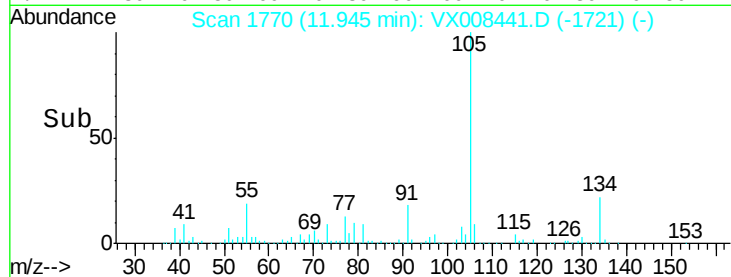
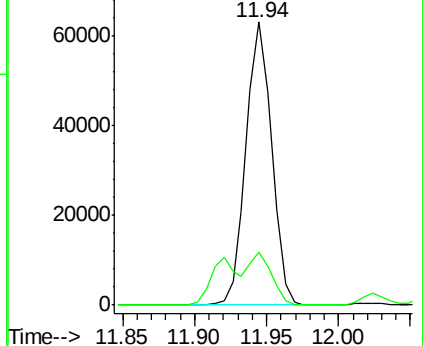
105 100

134 16.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.653 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

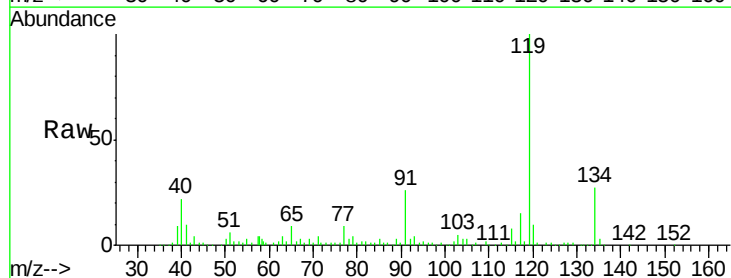
Tgt Ion:119 Resp: 35392

Ion Ratio Lower Upper

119 100

134 27.7 12.8 38.4

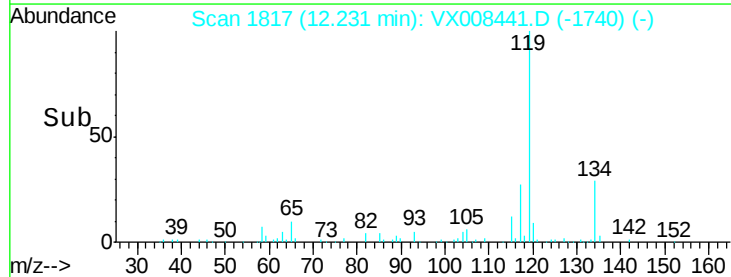
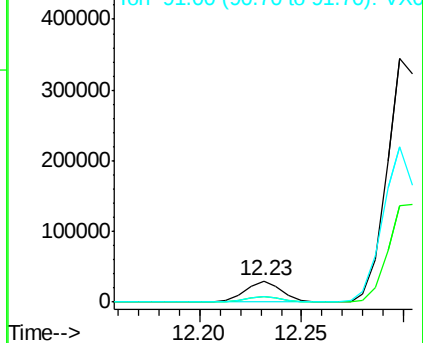
91 26.1 12.4 37.0

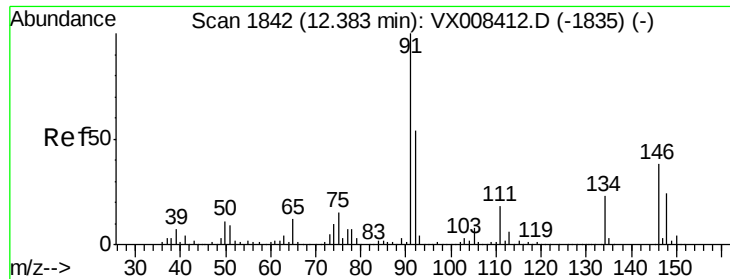


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 10.651 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

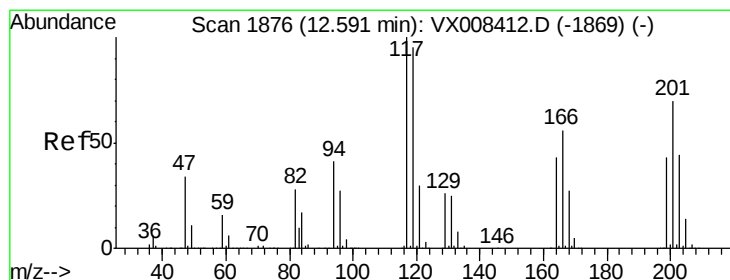
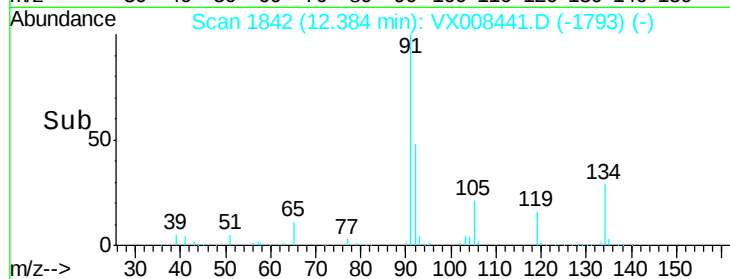
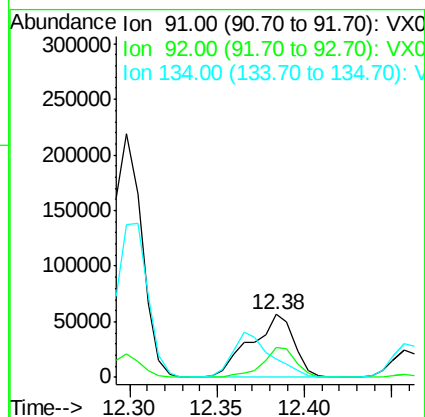
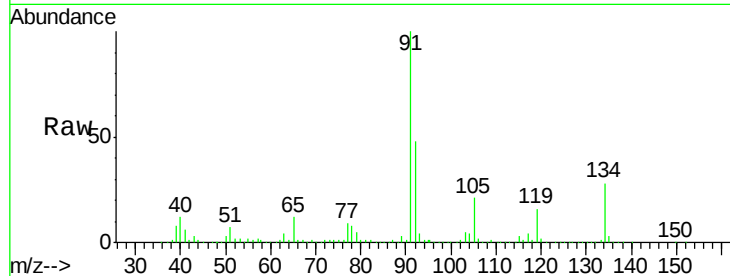
Tot Ion: 91 Resp: 97750

Ion Ratio Lower Upper

91 100

92 36.5 26.5 79.5

134 63.5 11.8 35.4#



#90

Hexachloroethane

Concen: 73.359 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.08 min

Lab File: VX008441.D

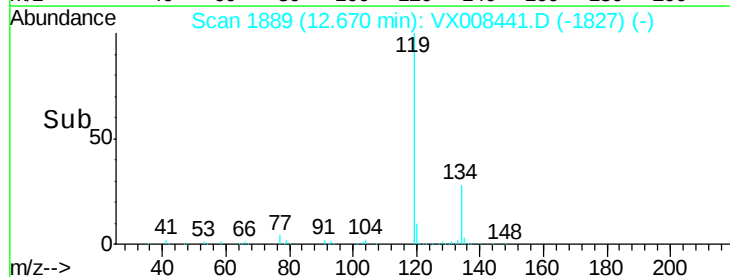
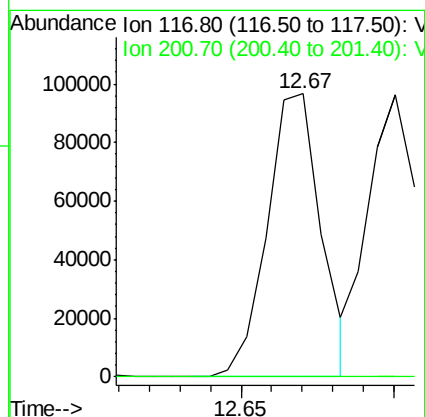
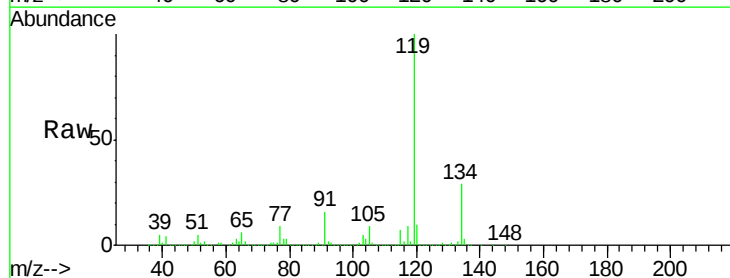
Acq: 26 Mar 2019 03:35

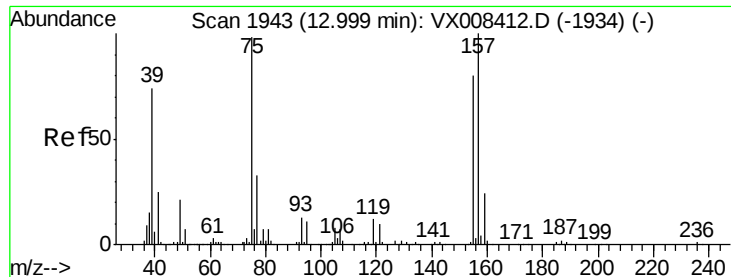
Tgt Ion: 117 Resp: 118400

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.635 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

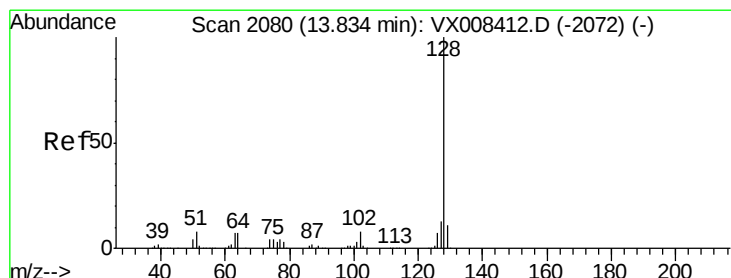
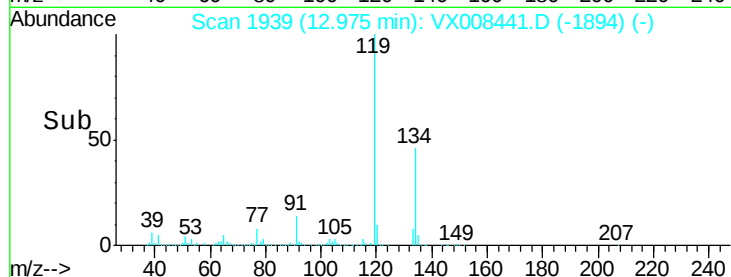
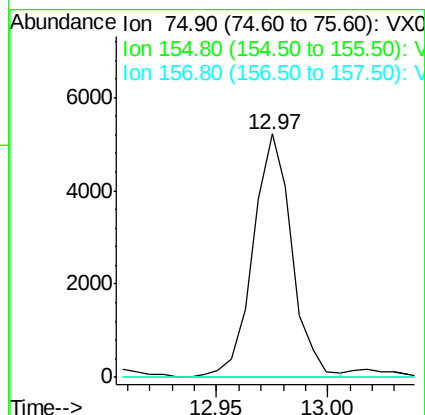
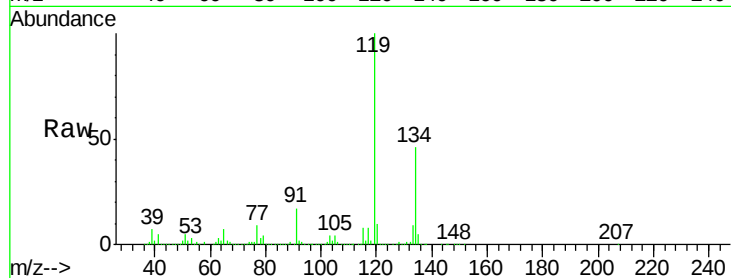
Tot Ion: 75 Resp: 6345

Ion Ratio Lower Upper

75 100

155 0.0 39.5 118.5#

157 0.0 49.9 149.7#



#95

Naphthalene

Concen: 4.540 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Tgt Ion: 128 Resp: 51439

Ion Ratio Lower Upper

128 100

127 15.0 10.4 15.6

129 15.0 8.7 13.1#

