

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008404.D
 Acq On : 24 Mar 2019 19:57
 Operator : JC/SP
 Sample : K2059-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Mar 25 05:48:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	227103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148169	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	160860	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.50	113	121985	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	496157	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	182894	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.28	50	12090	3.172	ug/l #	45
11) Tert butyl alcohol	3.04	59	1803	2.337	ug/l #	73
13) Acrolein	2.26	56	5142	7.799	ug/l #	1
14) Allyl chloride	2.84	41	90007	15.729	ug/l #	71
15) Acrylonitrile	3.17	53	17372	8.793	ug/l #	38
16) Acetone	2.44	43	7819	4.516	ug/l #	88
17) Carbon Disulfide	2.57	76	1933	0.234	ug/l #	83
18) Methyl Acetate	2.84	43	234940	54.213	ug/l #	54
19) Methyl tert-butyl Ether	3.20	73	5945	0.638	ug/l #	1
20) Methylene Chloride	2.85	84	1612	0.517	ug/l #	1
23) Vinyl Acetate	3.81	43	3442	0.350	ug/l #	73
25) 2-Butanone	4.68	43	4358	1.529	ug/l #	84
30) Chloroform	5.28	83	25170	4.915	ug/l #	34
31) Cyclohexane	5.59	56	113711	20.875	ug/l #	87
36) 1,1-Dichloropropene	5.66	75	18843	4.730	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23234	6.804	ug/l #	16
39) Methylcyclohexane	7.46	83	83427	17.087	ug/l #	64
40) Benzene	6.15	78	367399	30.286	ug/l	100
41) Methacrylonitrile	5.07	41	3018	1.027	ug/l #	25
42) 1,2-Dichloroethane	6.14	62	3394	0.771	ug/l #	73
43) Isopropyl Acetate	6.46	43	12061	1.437	ug/l #	60
46) Dibromomethane	7.63	93	1098	0.539	ug/l #	1
47) Bromodichloromethane	7.84	83	4901	1.261	ug/l #	94
48) Methyl methacrylate	7.73	41	16898	3.989	ug/l #	45
49) 1,4-Dioxane	7.98	88	28	0.328	ug/l #	1
52) Toluene	8.79	92	37837	5.319	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	47395	16.040	ug/l #	19
56) Ethyl methacrylate	9.16	69	13082	2.501	ug/l #	1
59) 2-Hexanone	9.62	43	3122	0.738	ug/l	82
67) Ethyl Benzene	10.25	91	236574	17.867	ug/l	97
68) m/p-Xylenes	10.36	106	48669	10.230	ug/l	91
69) o-Xylene	10.69	106	14782	3.178	ug/l	92
73) Isopropylbenzene	11.02	105	792096	67.740	ug/l	98
76) 1,2,3-Trichloropropane	11.35	75	3840	0.990	ug/l #	1

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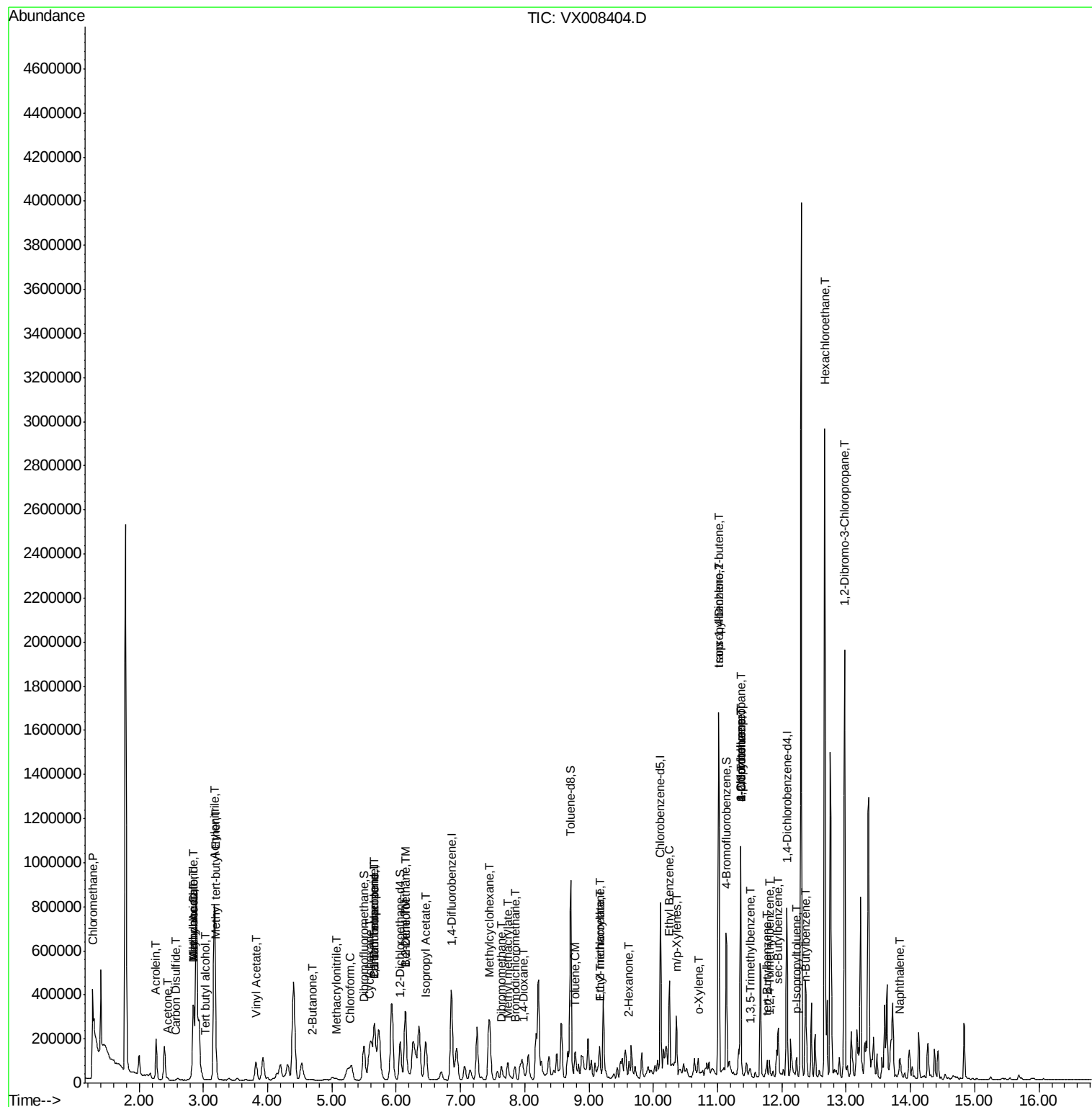
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	604044	44.075	ug/l	95
79) 2-Chlorotoluene	11.36	91	604044	72.355	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	13733	1.381	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.02	75	9605	7.058	ug/l #	48
82) 4-Chlorotoluene	11.36	91	604044	62.795	ug/l #	43
83) tert-Butylbenzene	11.77	119	26305	2.777	ug/l	84
84) 1,2,4-Trimethylbenzene	11.80	105	32572	3.281	ug/l	95
85) sec-Butylbenzene	11.94	105	78198	6.888	ug/l	92
86) p-Isopropyltoluene	12.23	119	36116	3.609	ug/l	97
89) n-Butylbenzene	12.38	91	98473	10.308	ug/l #	61
90) Hexachloroethane	12.67	117	120013	72.608	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.97	75	6192	6.238	ug/l #	1
95) Naphthalene	13.83	128	51287	4.303	ug/l #	93

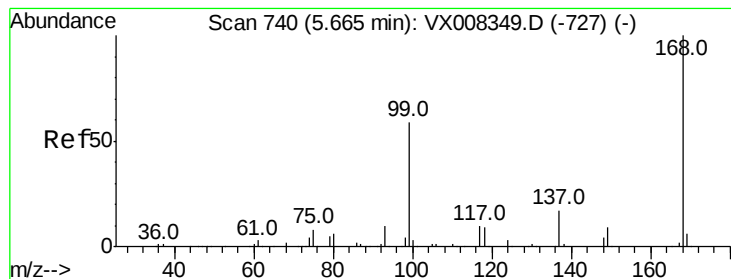
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

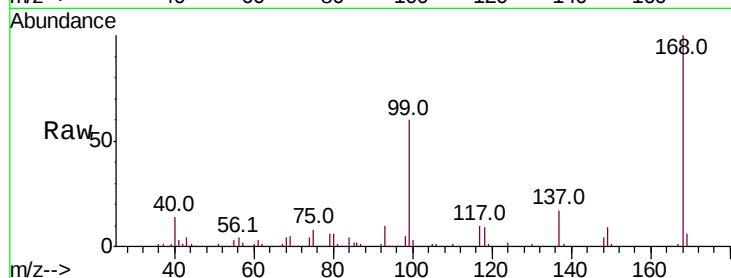
MW-3

Tot Ion:168 Resp: 227103

Ion Ratio Lower Upper

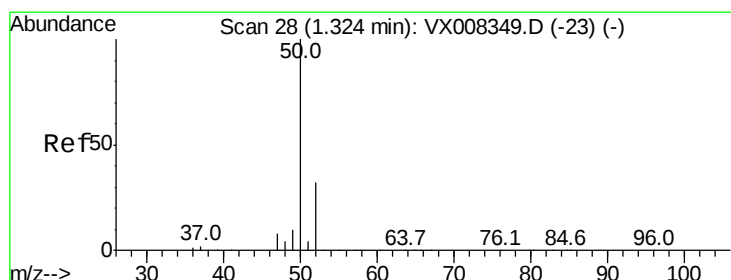
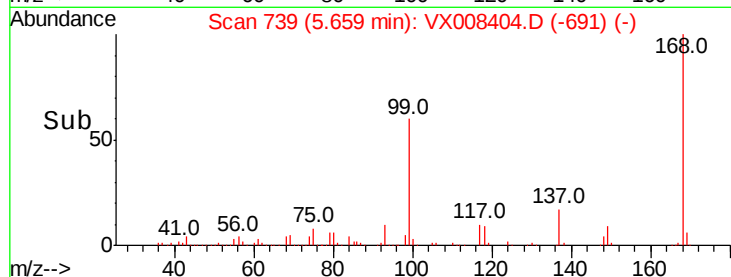
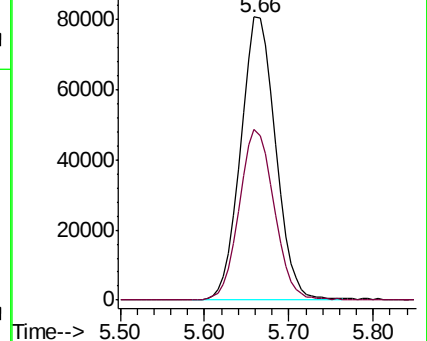
168 100

99 60.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 3.172 ug/l

RT: 1.28 min Scan# 20

Delta R.T. -0.05 min

Lab File: VX008404.D

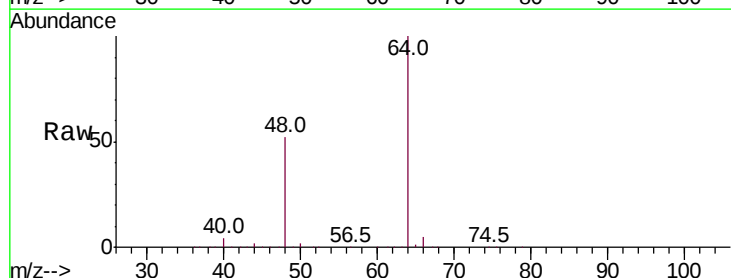
Acq: 24 Mar 2019 19:57

Tgt Ion: 50 Resp: 12090

Ion Ratio Lower Upper

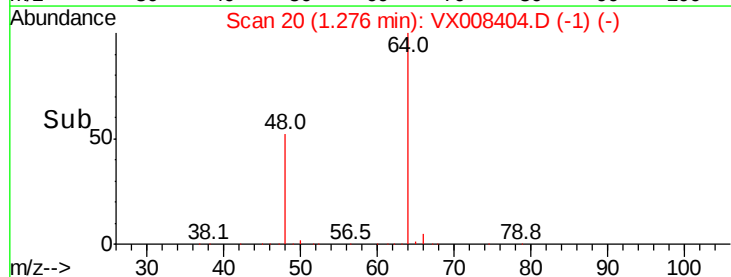
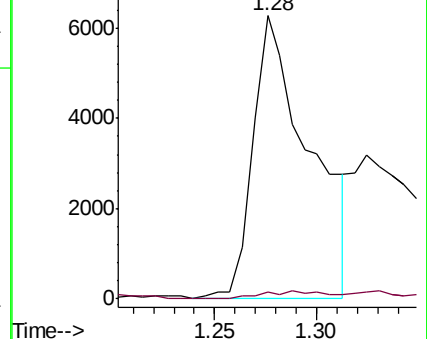
50 100

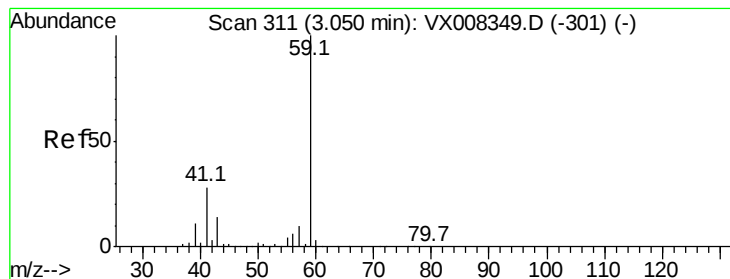
52 2.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



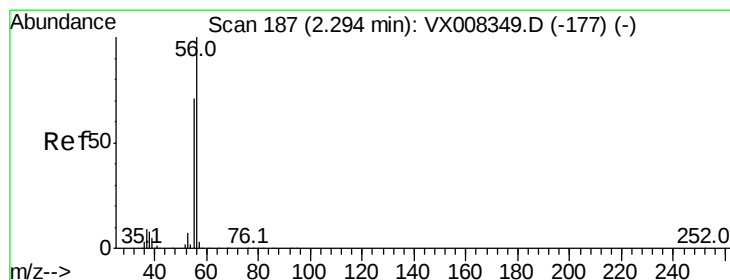
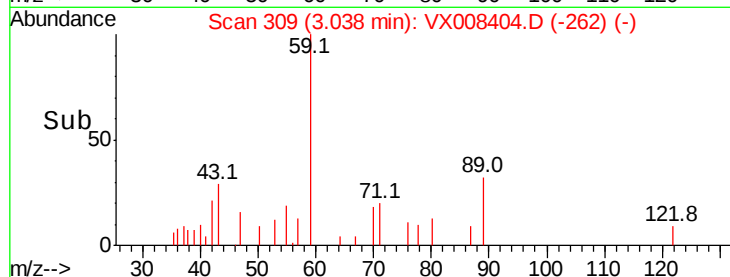
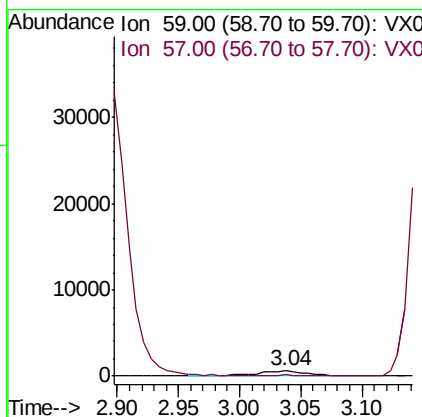
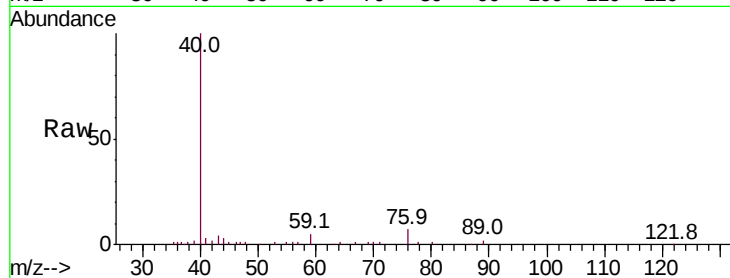


#11

Tert butyl alcohol
Concen: 2.337 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Instrument :
MSVOA_X
ClientSampled :
MW-3

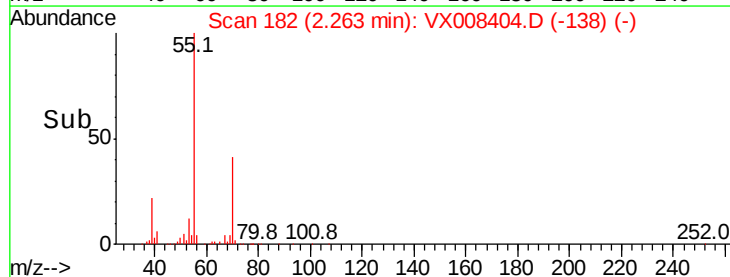
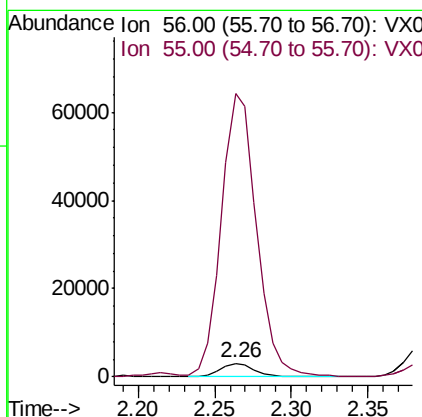
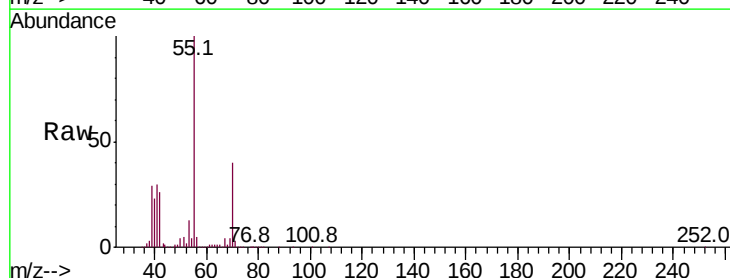
Tot Ion: 59 Resp: 1803
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

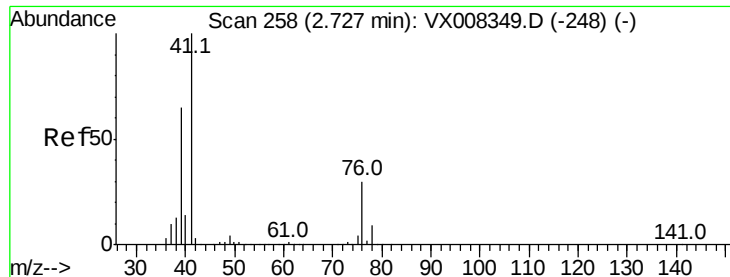


#13

Acrolein
Concen: 7.799 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion: 56 Resp: 5142
Ion Ratio Lower Upper
56 100
55 1981.0 57.8 86.6#





#14

Allvl chloride

Concen: 15.729 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-3

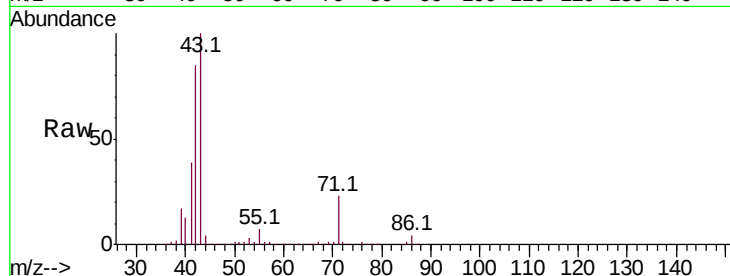
Tot Ion: 41 Resp: 90007

Ion Ratio Lower Upper

41 100

39 46.1 46.1 69.1#

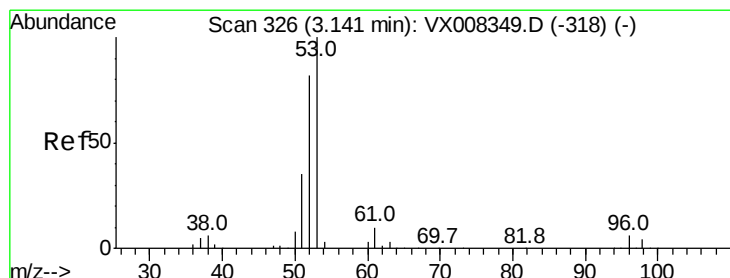
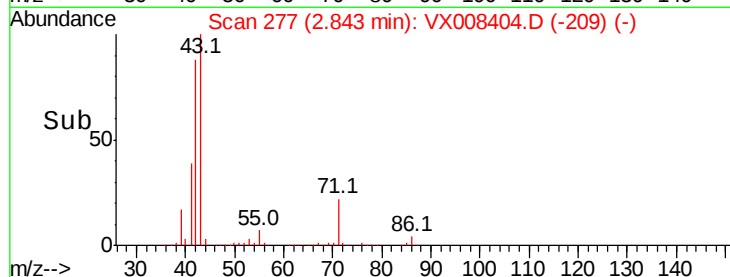
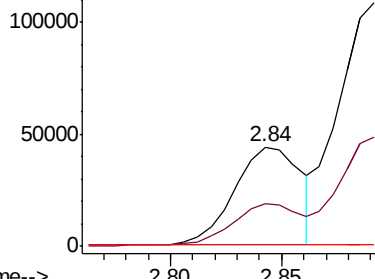
76 0.0 24.0 36.0#



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: 8.793 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

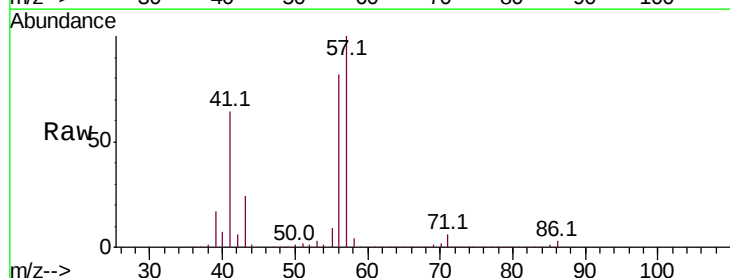
Tgt Ion: 53 Resp: 17372

Ion Ratio Lower Upper

53 100

52 21.4 66.0 99.0#

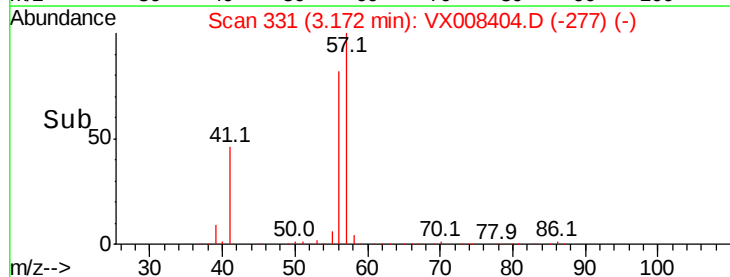
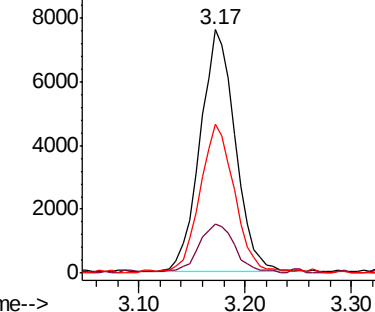
51 62.2 28.0 42.0#

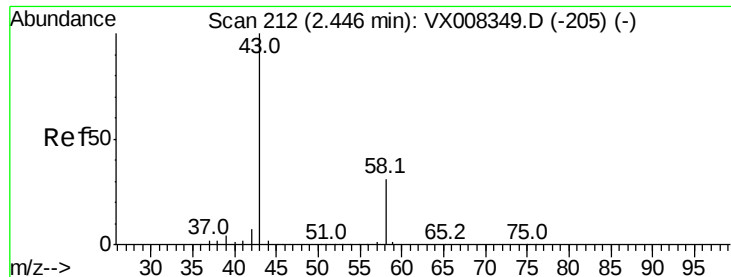


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 4.516 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

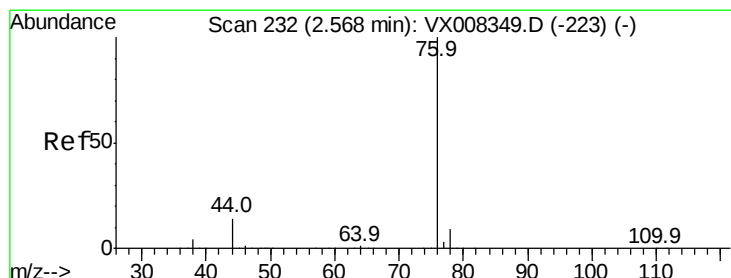
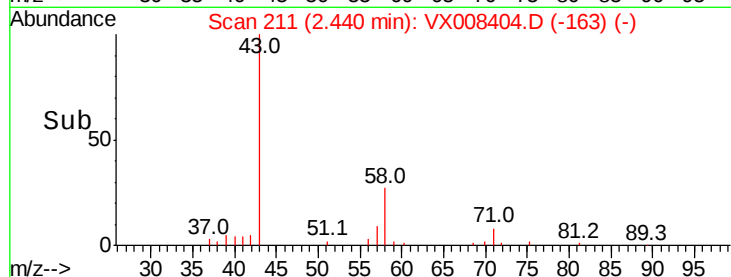
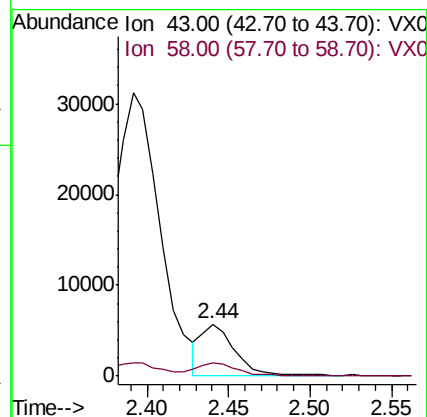
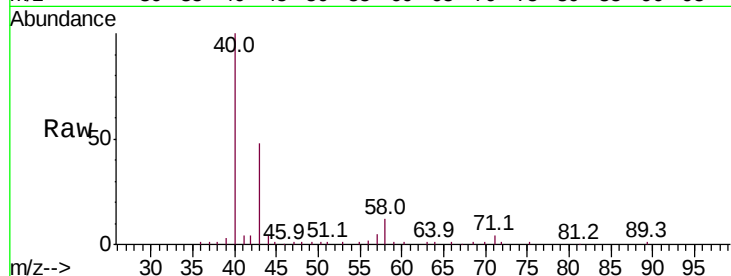
MW-3

Tot Ion: 43 Resp: 7819

Ion Ratio Lower Upper

43 100

58 25.5 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008404.D

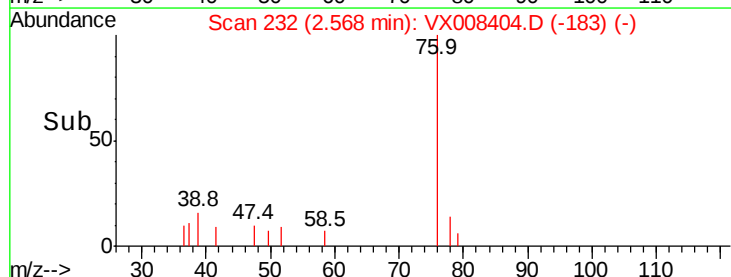
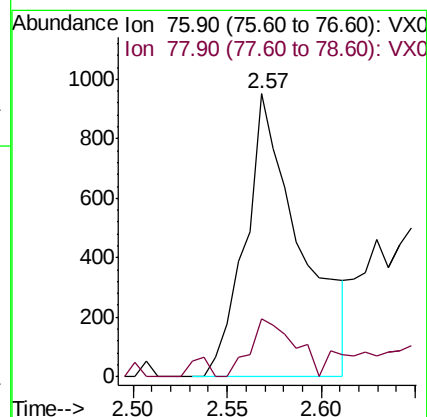
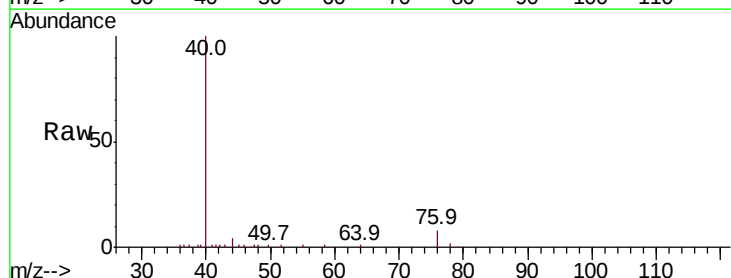
Acq: 24 Mar 2019 19:57

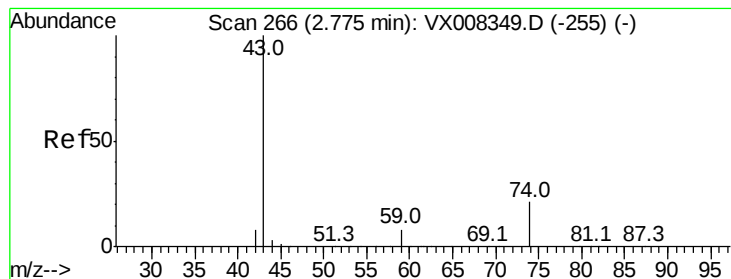
Tgt Ion: 76 Resp: 1933

Ion Ratio Lower Upper

76 100

78 15.1 7.2 10.8#





#18

Methyl Acetate

Concen: 54.213 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

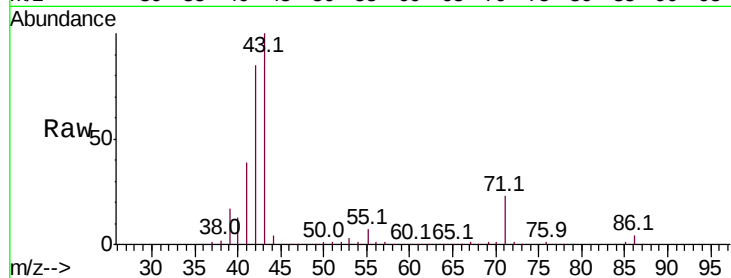
MW-3

Tot Ion: 43 Resp: 234940

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

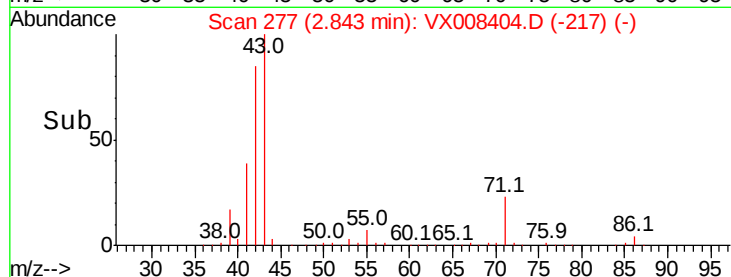
300000

200000

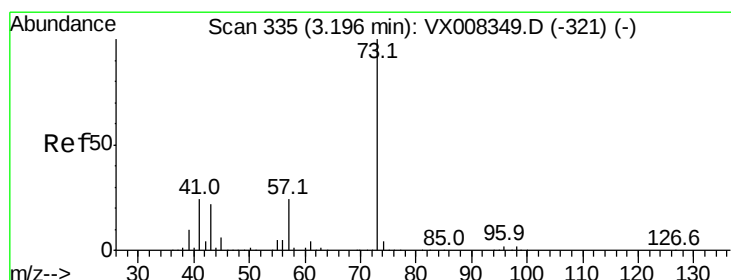
100000

0

Time-->



Time-->



#19

Methyl tert-butyl Ether

Concen: 0.638 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX008404.D

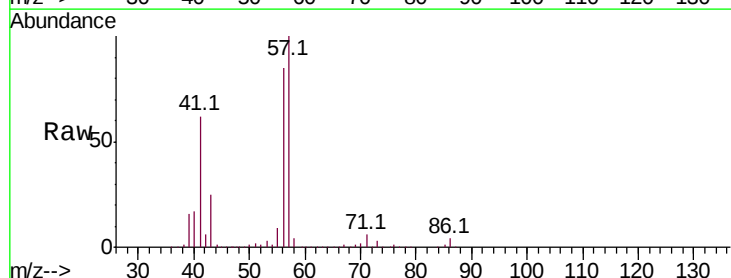
Acq: 24 Mar 2019 19:57

Tgt Ion: 73 Resp: 5945

Ion Ratio Lower Upper

73 100

57 3350.9 18.2 27.4#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250000

200000

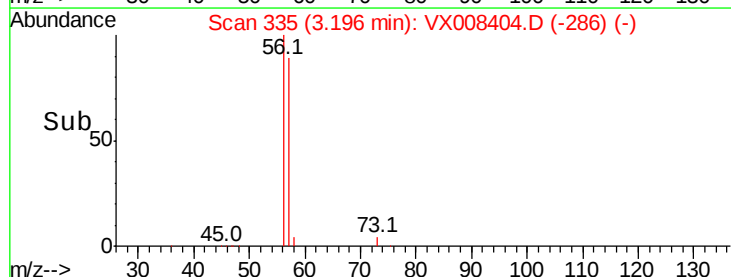
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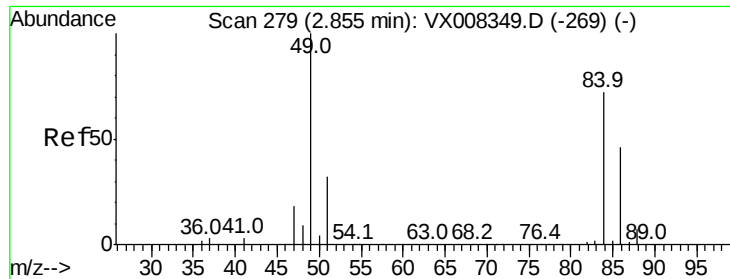
50000

0

Time-->



Time-->



#20

Methylene Chloride

Concen: 0.517 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 84 Resp: 1612

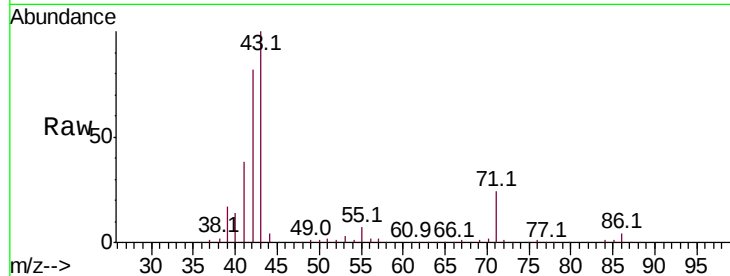
Ion Ratio Lower Upper

84 100

49 142.0 99.3 148.9

51 313.3 31.3 46.9#

86 963.1 52.6 79.0#

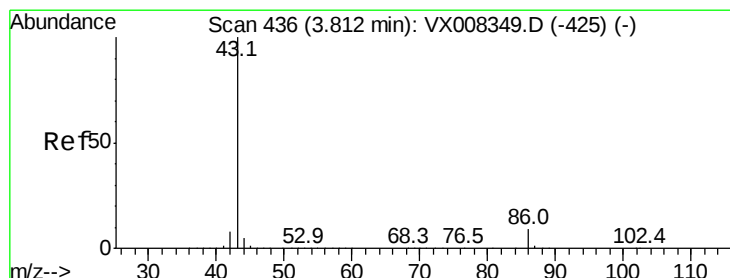
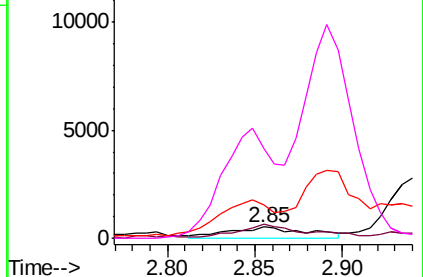
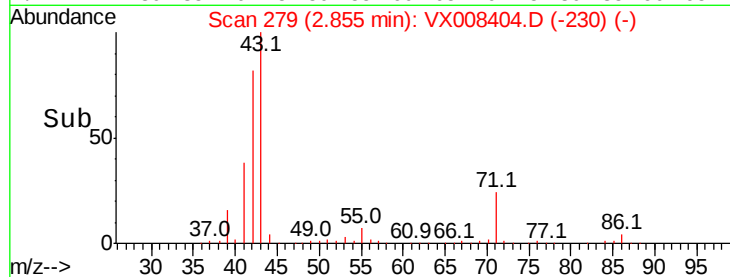


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#23

Vinyl Acetate

Concen: 0.350 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008404.D

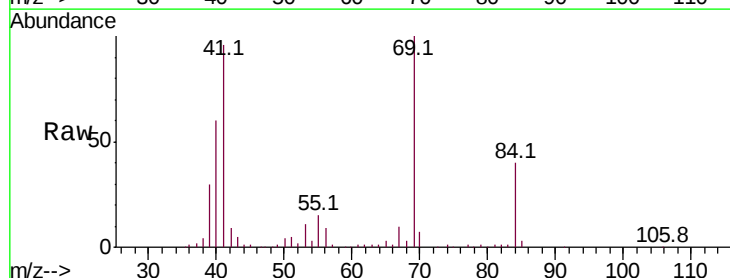
Acq: 24 Mar 2019 19:57

Tgt Ion: 43 Resp: 3442

Ion Ratio Lower Upper

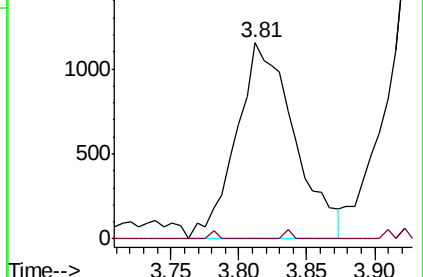
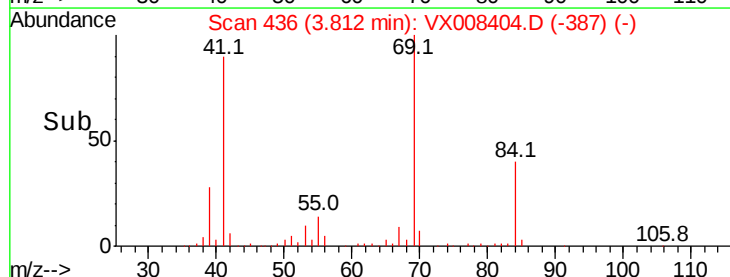
43 100

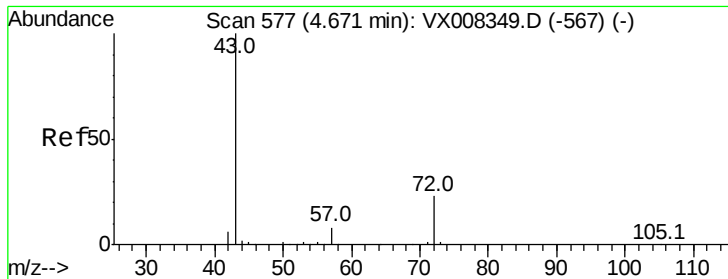
86 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 1.529 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

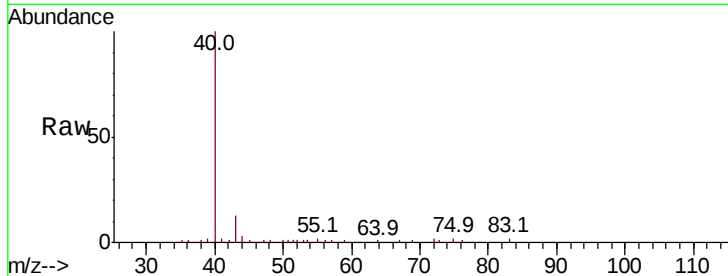
MW-3

Tot Ion: 43 Resp: 4358

Ion Ratio Lower Upper

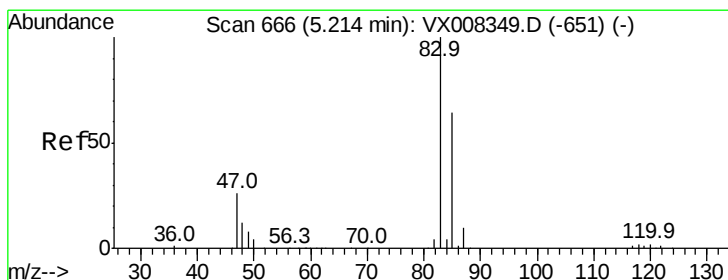
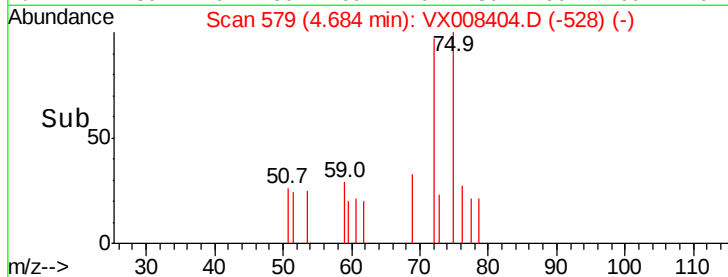
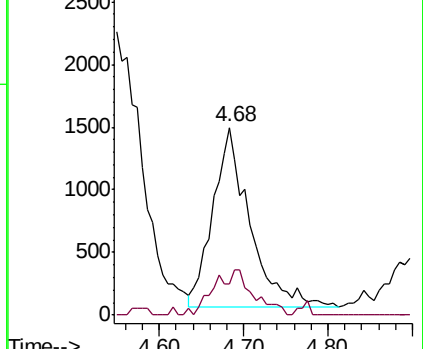
43 100

72 17.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 4.915 ug/l

RT: 5.28 min Scan# 676

Delta R.T. 0.06 min

Lab File: VX008404.D

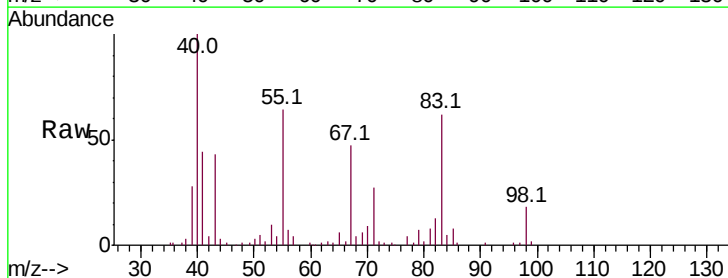
Acq: 24 Mar 2019 19:57

Tgt Ion: 83 Resp: 25170

Ion Ratio Lower Upper

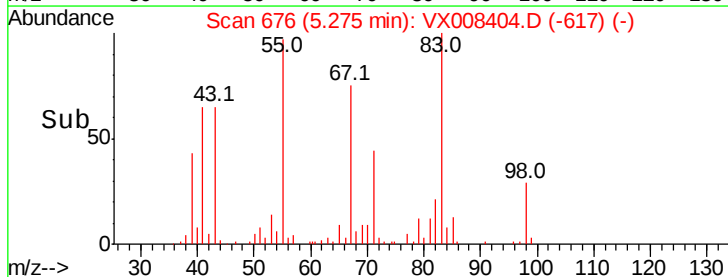
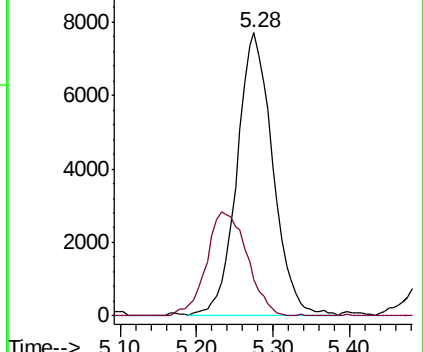
83 100

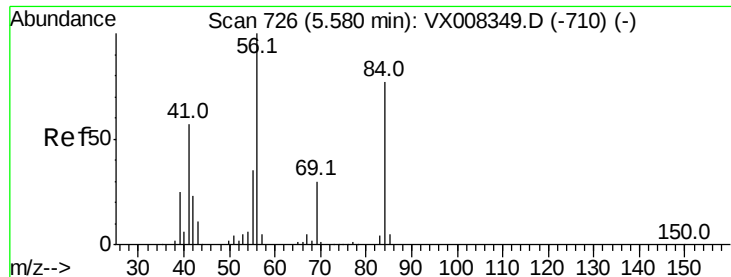
85 12.8 51.8 77.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

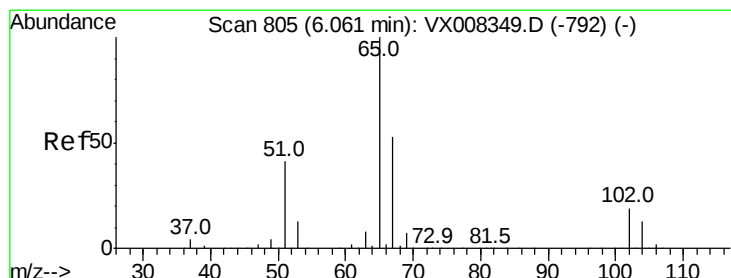
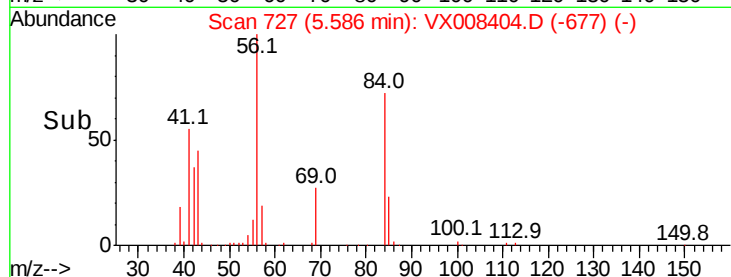
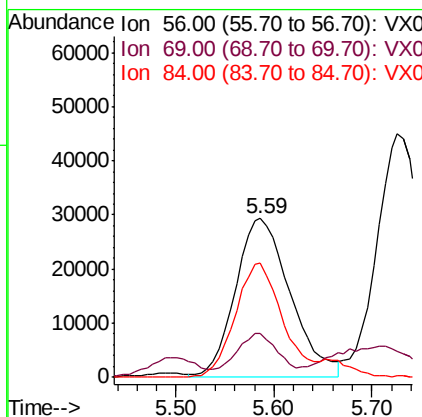
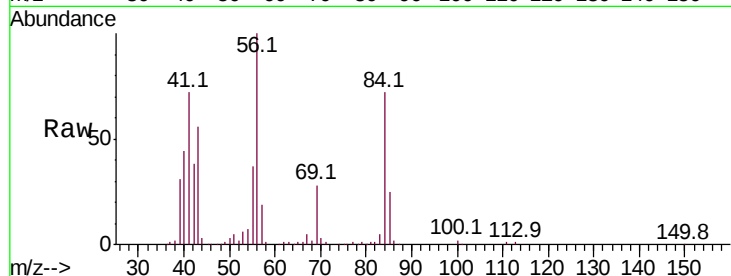




#31
Cyclohexane
Concen: 20.875 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

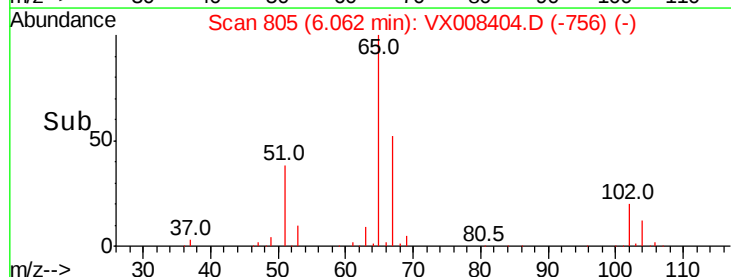
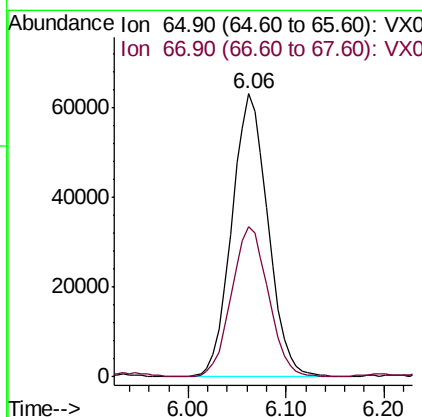
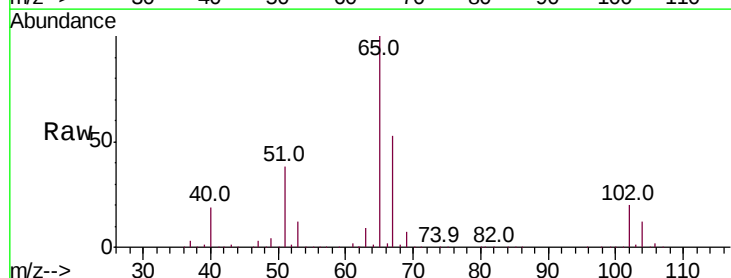
Instrument :
MSVOA_X
ClientSampled :
MW-3

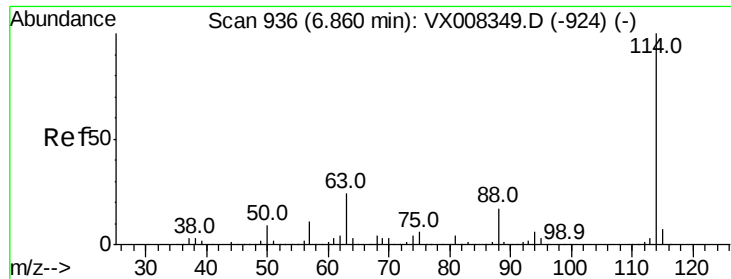
Tot Ion: 56 Resp: 113711
Ion Ratio Lower Upper
56 100
69 17.9 24.0 36.0#
84 72.8 65.3 97.9



#33
1,2-Dichloroethane-d4
Concen: 46.441 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion: 65 Resp: 160860
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.0

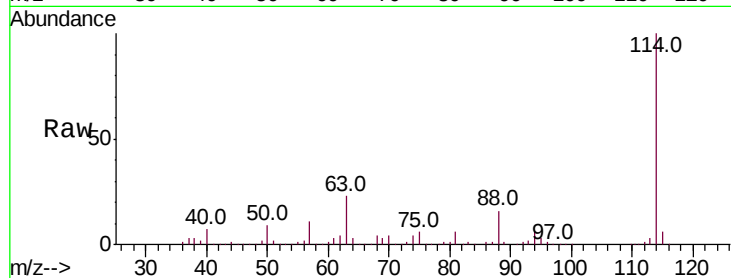




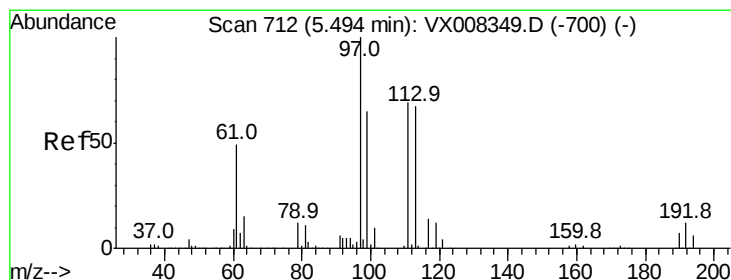
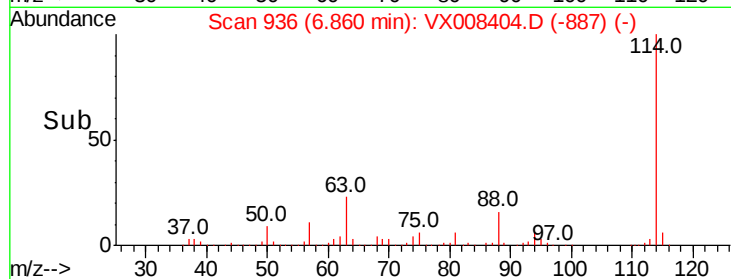
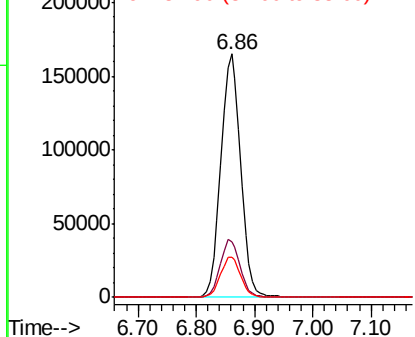
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008404.D
 Acq: 24 Mar 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Tot Ion:114 Resp: 389822
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 39.8
 88 16.4 0.0 31.4

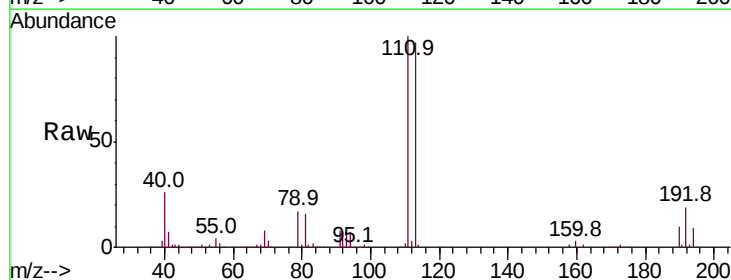


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

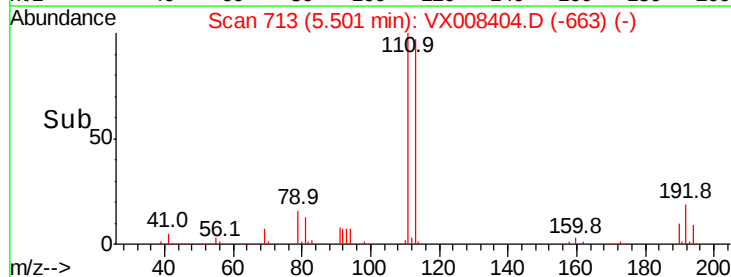
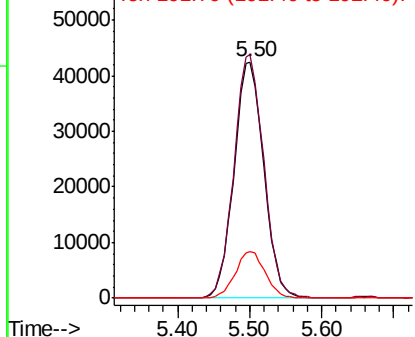


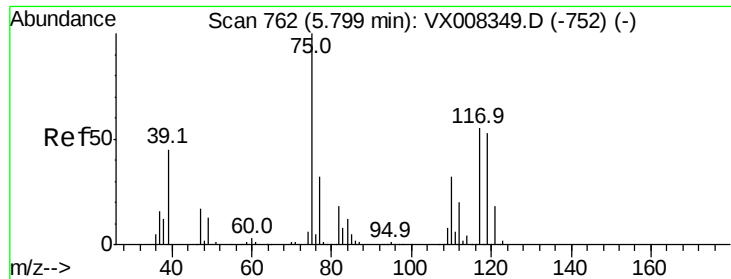
#35
 Dibromofluoromethane
 Concen: 48.299 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008404.D
 Acq: 24 Mar 2019 19:57

Tgt Ion:113 Resp: 121985
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.0
 192 19.7 19.4 29.0



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

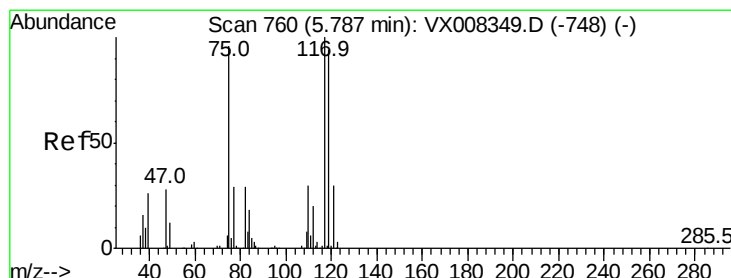
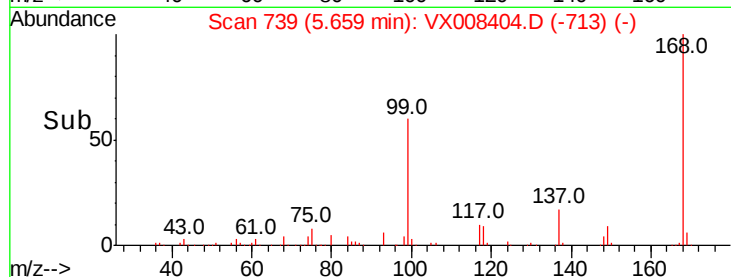
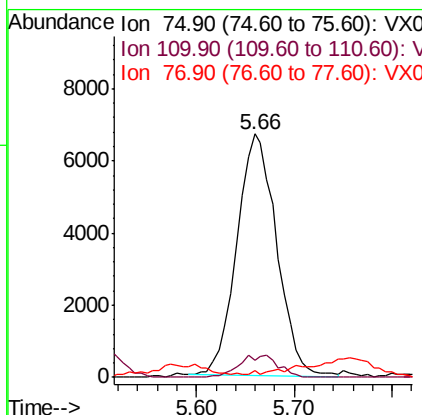
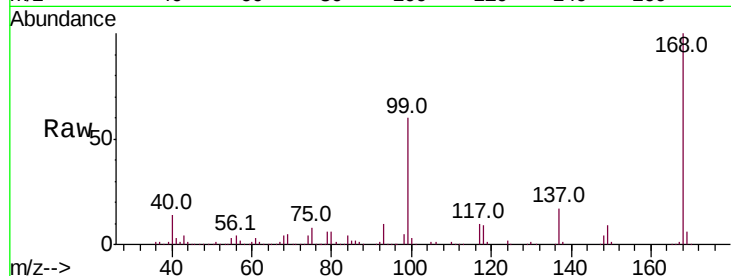




#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008404.D
 Acq: 24 Mar 2019 19:57

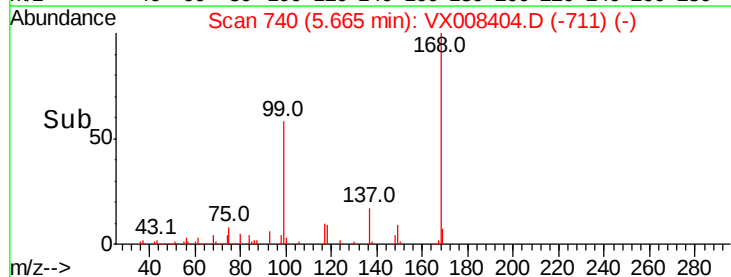
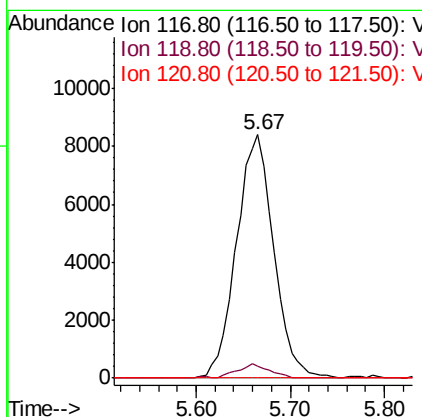
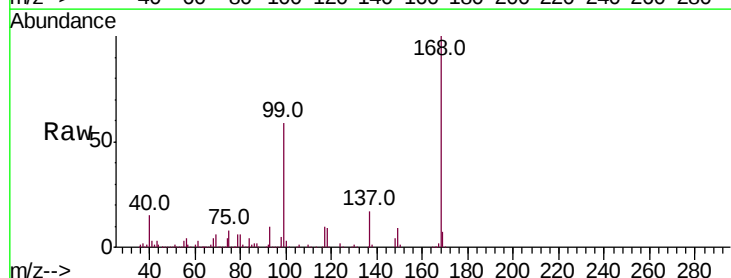
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

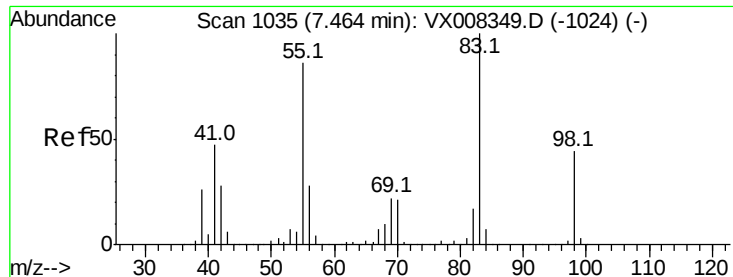
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.0#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.804 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008404.D
 Acq: 24 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	24.6	36.8#

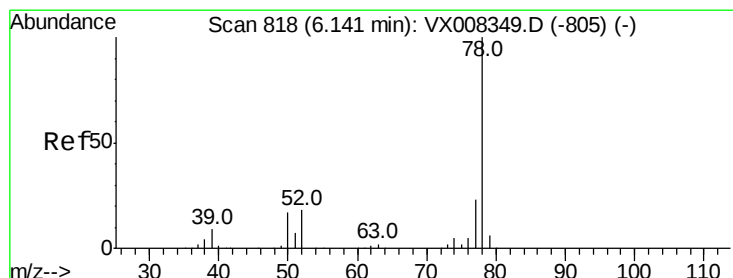
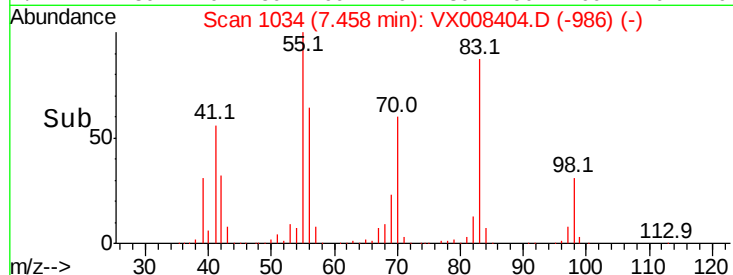
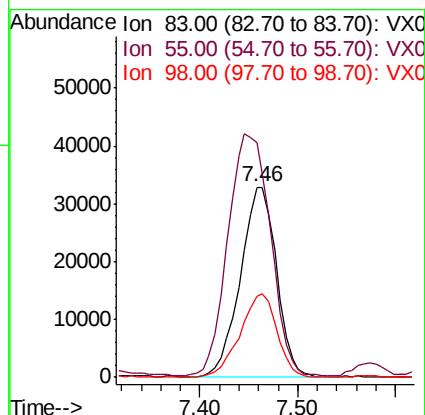
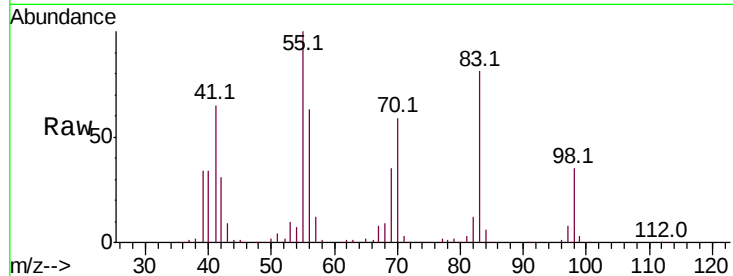




#39
Methvlcvclohexane
Concen: 17.087 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

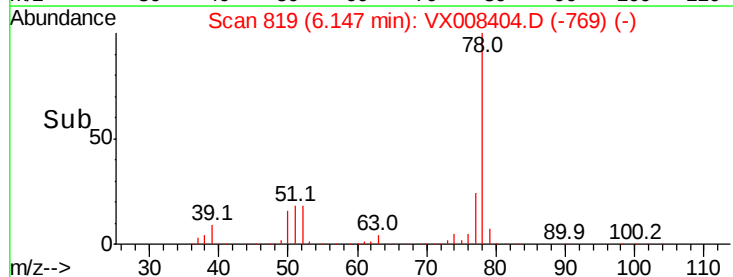
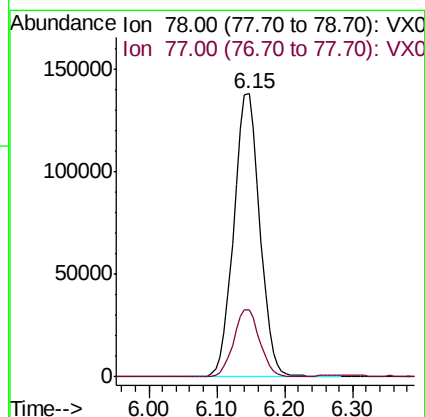
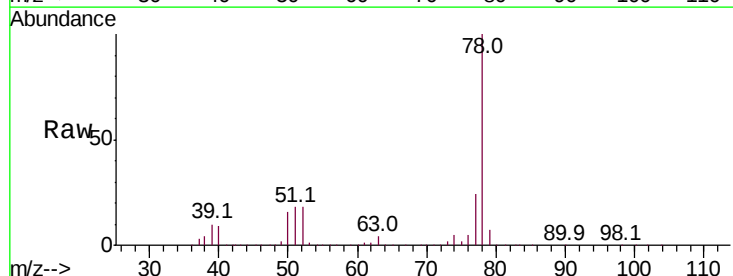
Instrument :
MSVOA_X
ClientSampled :
MW-3

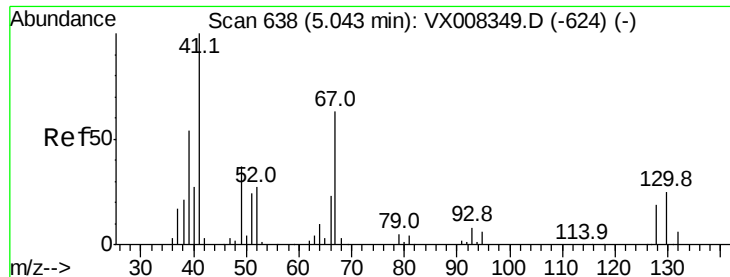
Tot Ion: 83 Resp: 83427
Ion Ratio Lower Upper
83 100
55 122.4 60.4 90.6#
98 42.6 36.5 54.7



#40
Benzene
Concen: 30.286 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion: 78 Resp: 367399
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 1.027 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.02 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 41 Resp: 3018

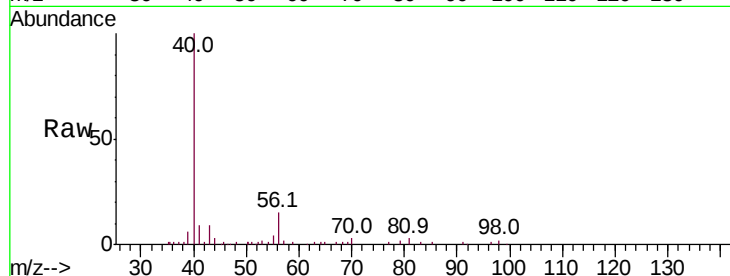
Ion Ratio Lower Upper

41 100

39 0.0 41.6 62.4#

67 0.0 55.8 83.6#

52 2.1 21.7 32.5#

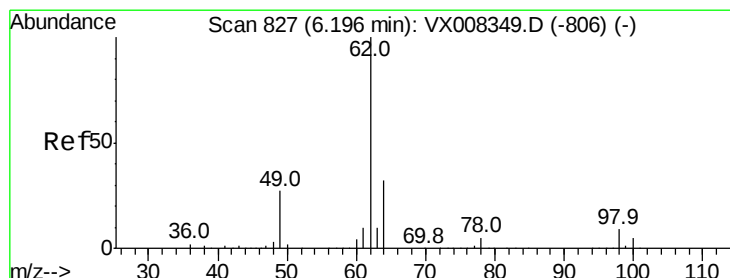
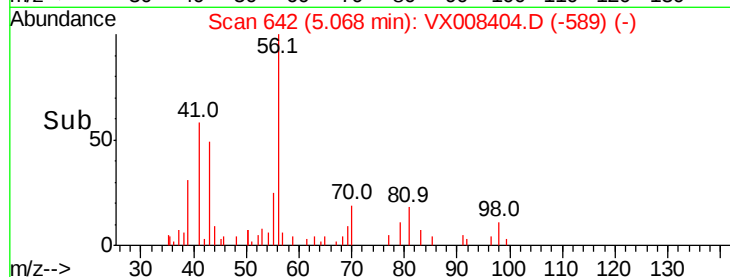
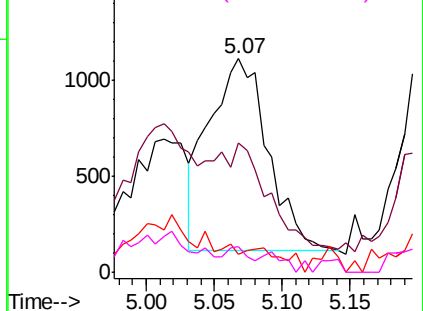


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 0.771 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX008404.D

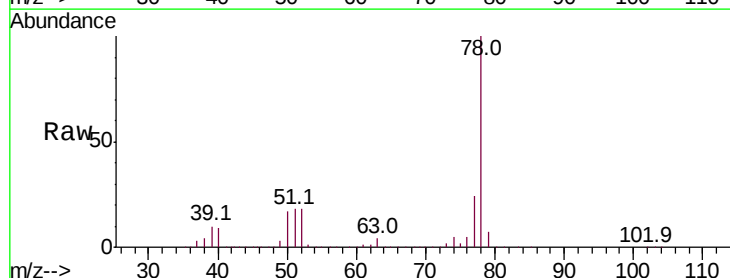
Acq: 24 Mar 2019 19:57

Tgt Ion: 62 Resp: 3394

Ion Ratio Lower Upper

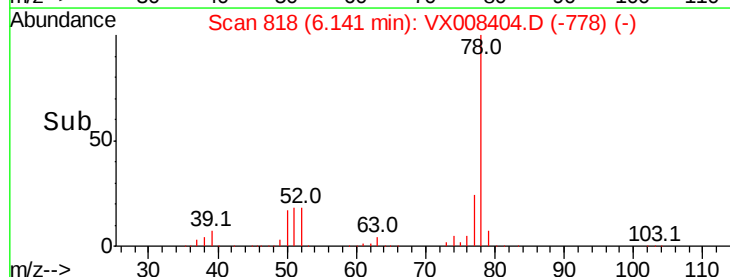
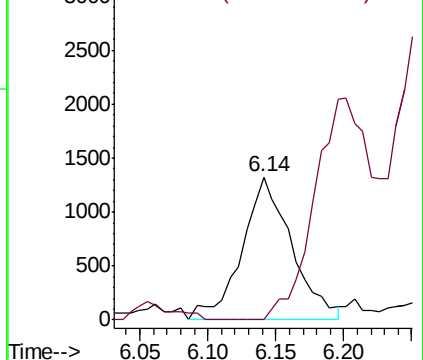
62 100

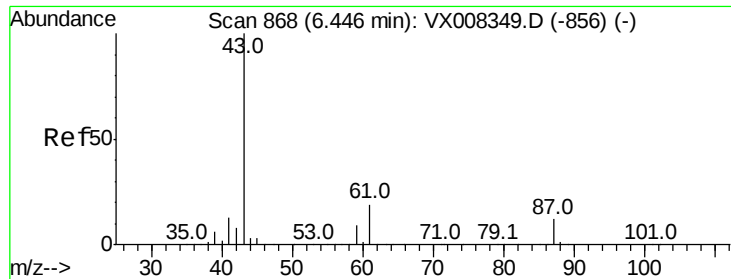
98 0.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 1.437 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-3

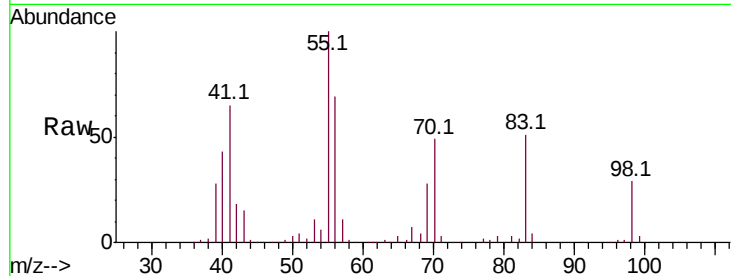
Tot Ion: 43 Resp: 12061

Ion Ratio Lower Upper

43 100

61 0.0 16.3 24.5#

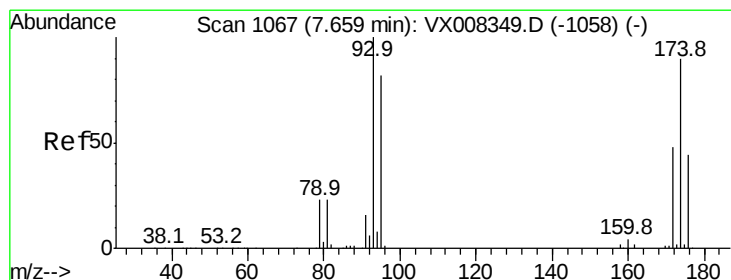
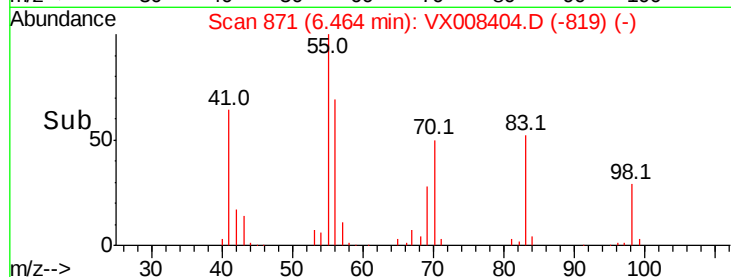
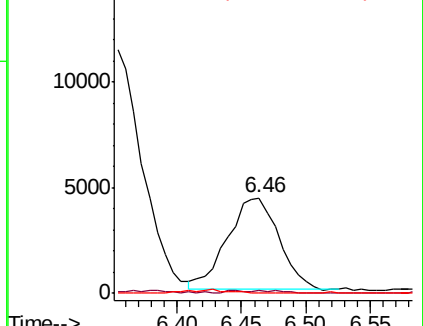
87 0.0 10.5 15.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#46

Dibromomethane

Concen: 0.539 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

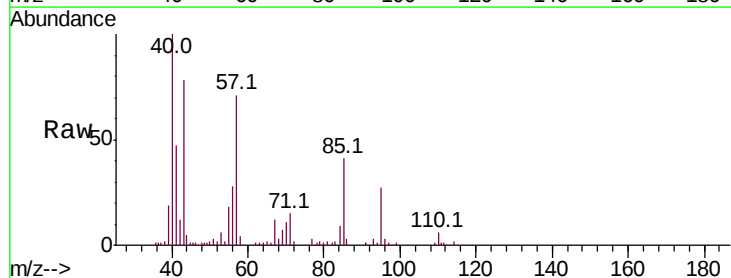
Tgt Ion: 93 Resp: 1098

Ion Ratio Lower Upper

93 100

95 918.6 66.8 100.2#

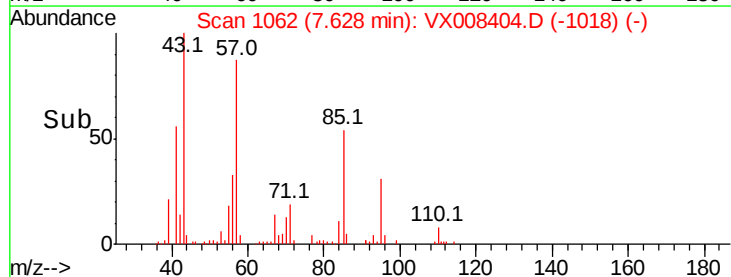
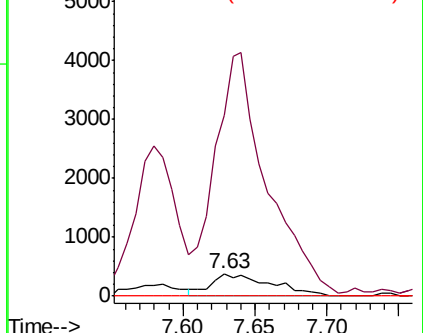
174 0.0 97.3 145.9#

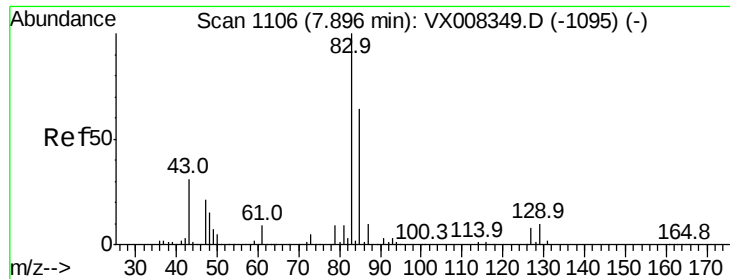


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.261 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

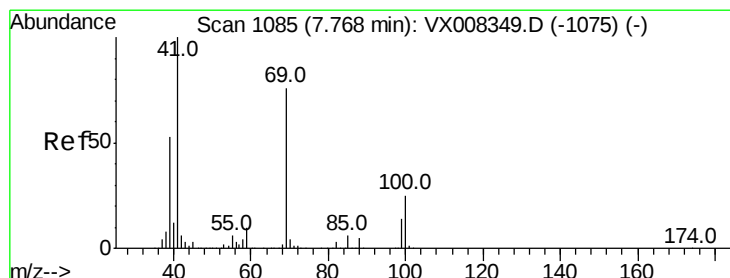
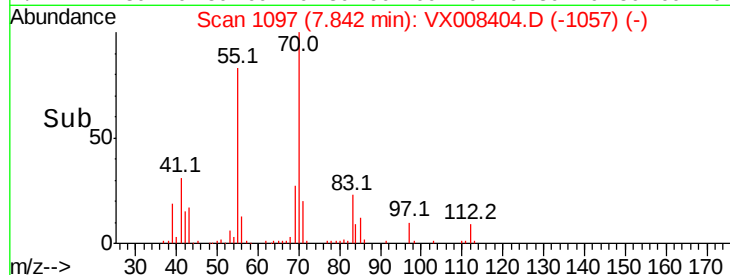
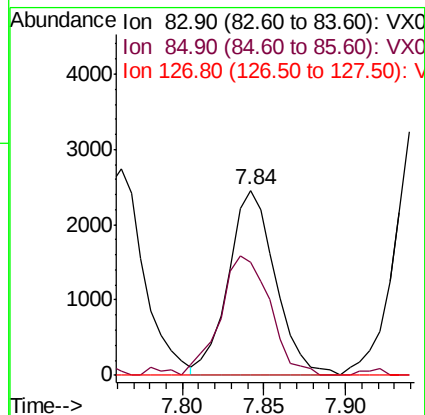
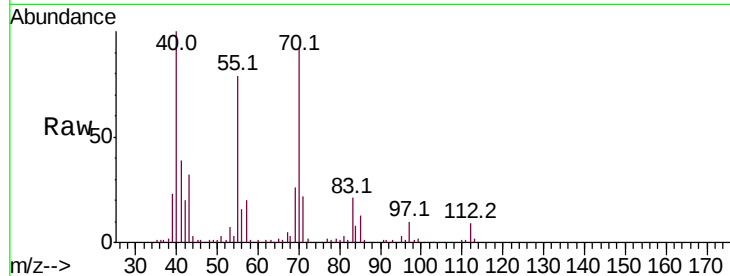
Tot Ion: 83 Resp: 4901

Ion Ratio Lower Upper

83 100

85 61.0 50.9 76.3

127 0.0 7.4 11.0#



#48

Methyl methacrylate

Concen: 3.989 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

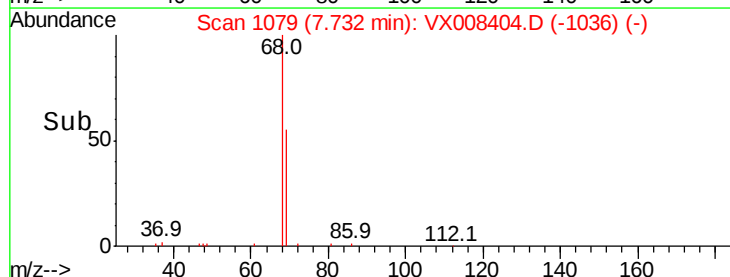
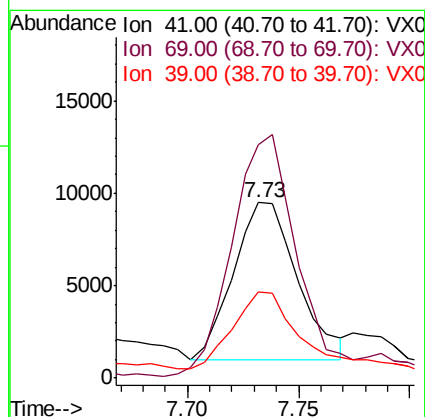
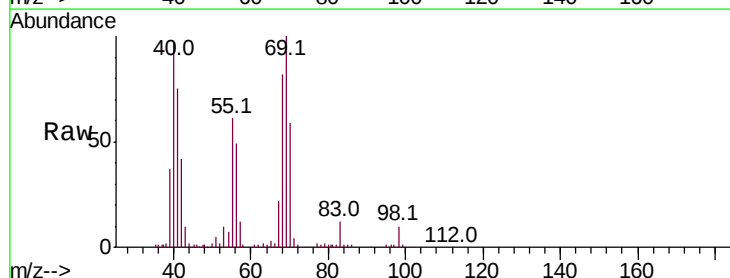
Tgt Ion: 41 Resp: 16898

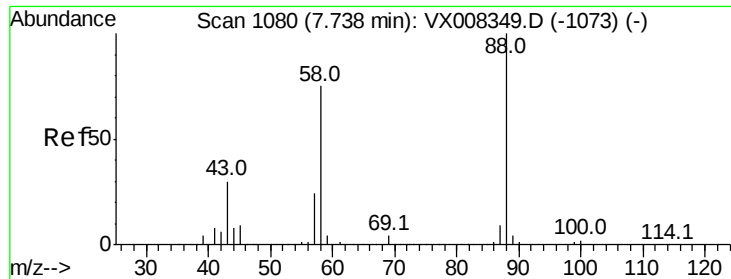
Ion Ratio Lower Upper

41 100

69 155.0 65.2 97.8#

39 55.7 39.4 59.2





#49

1,4-Dioxane

Concen: 0.328 ug/l

RT: 7.98 min Scan# 1120

Delta R.T. 0.24 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

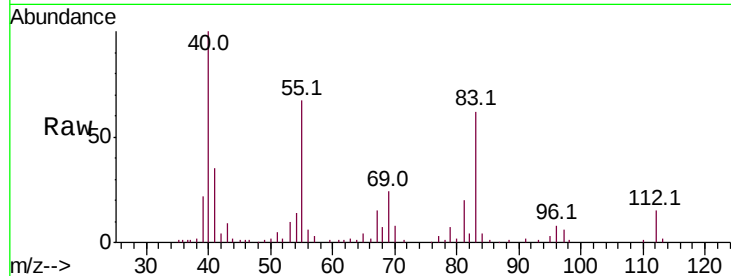
Tot Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 12392.9 25.1 37.7#

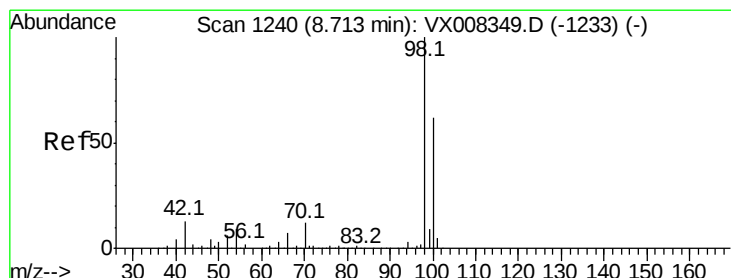
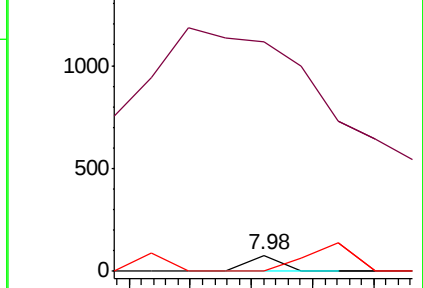
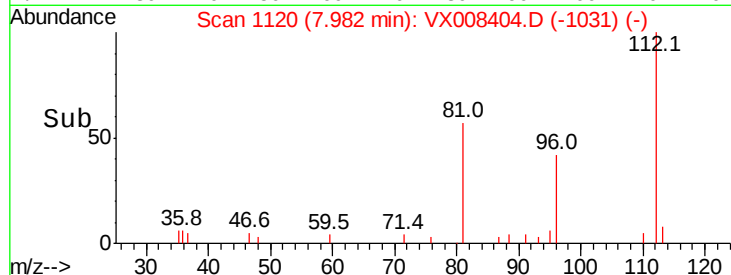
58 0.0 57.8 86.6#



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: 49.667 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008404.D

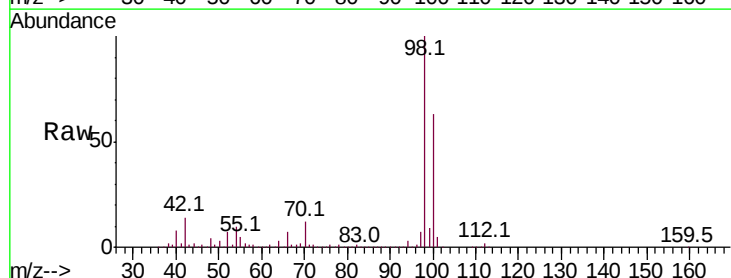
Acq: 24 Mar 2019 19:57

Tgt Ion: 98 Resp: 496157

Ion Ratio Lower Upper

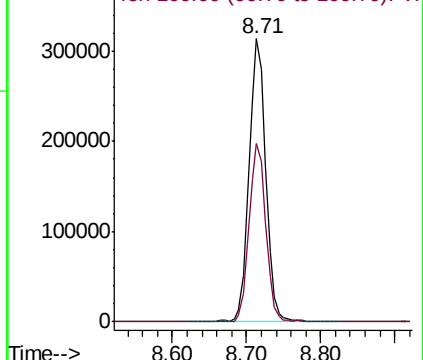
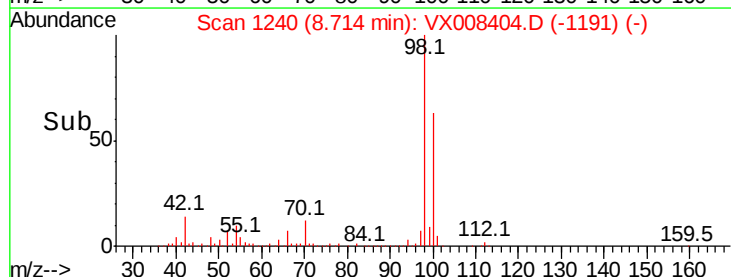
98 100

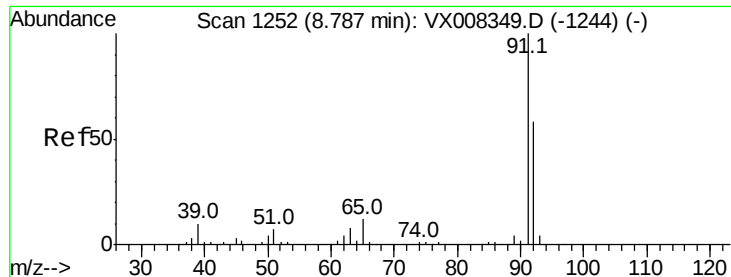
100 62.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 5.319 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

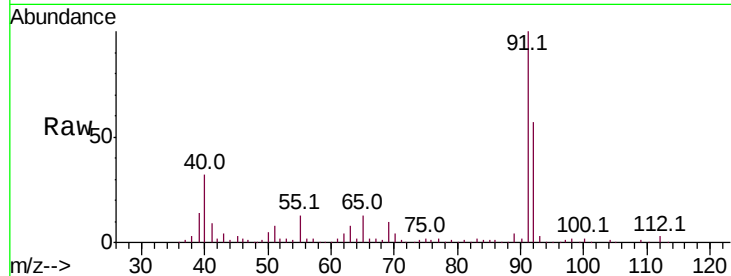
MW-3

Tot Ion: 92 Resp: 37837

Ion Ratio Lower Upper

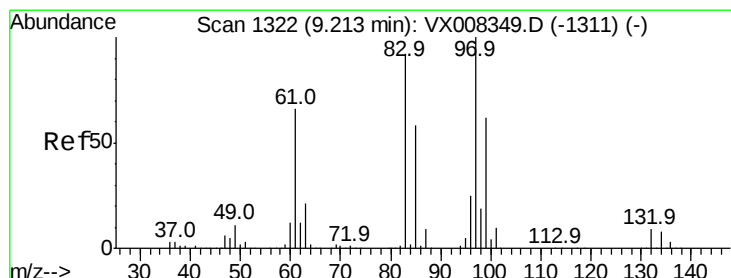
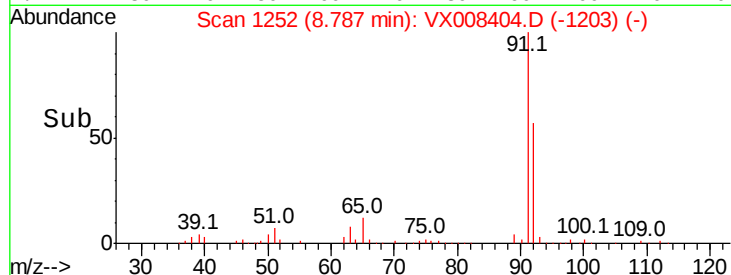
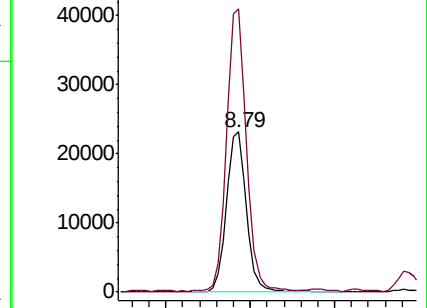
92 100

91 174.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 16.040 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Tgt Ion: 97 Resp: 47395

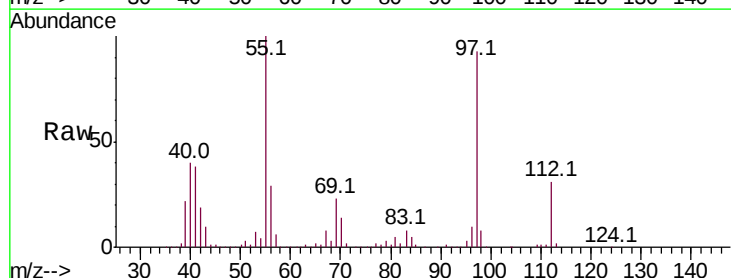
Ion Ratio Lower Upper

97 100

83 7.1 69.1 103.7#

85 0.8 44.3 66.5#

99 0.5 49.8 74.8#

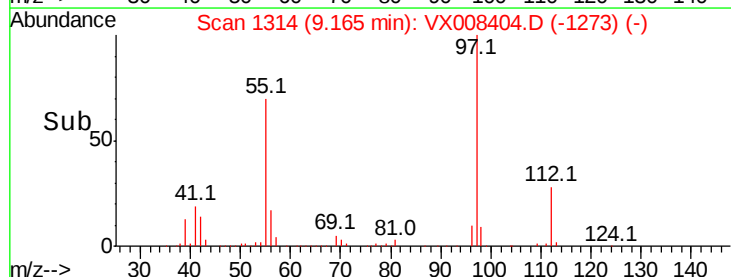
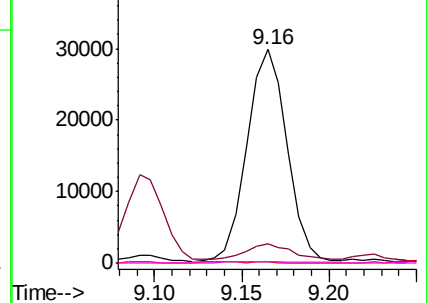


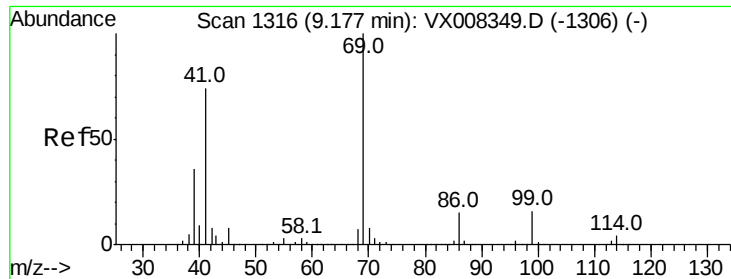
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 2.501 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-3

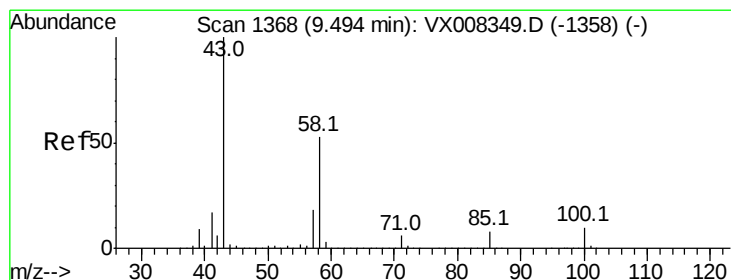
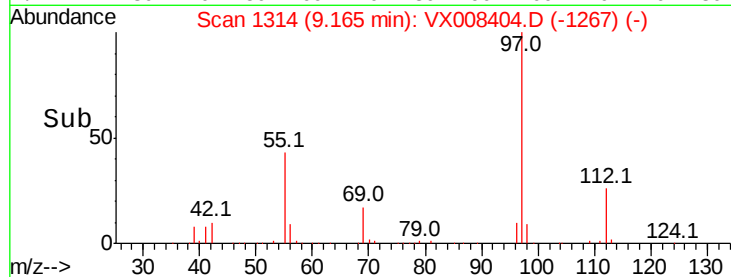
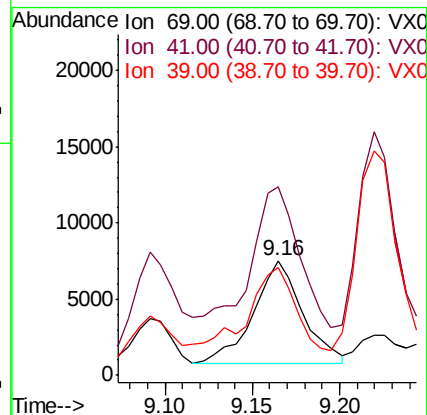
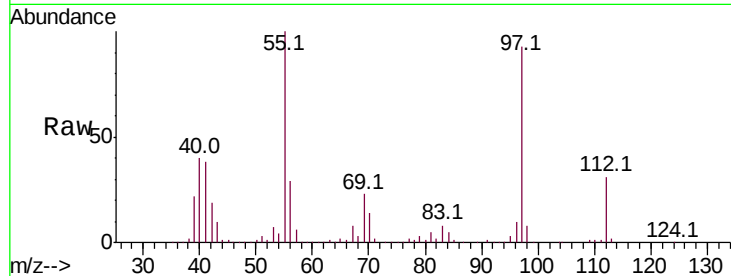
Tot Ion: 69 Resp: 13082

Ion Ratio Lower Upper

69 100

41 173.0 54.2 81.4#

39 74.1 25.0 37.4#



#59

2-Hexanone

Concen: 0.738 ug/l

RT: 9.62 min Scan# 1389

Delta R.T. 0.13 min

Lab File: VX008404.D

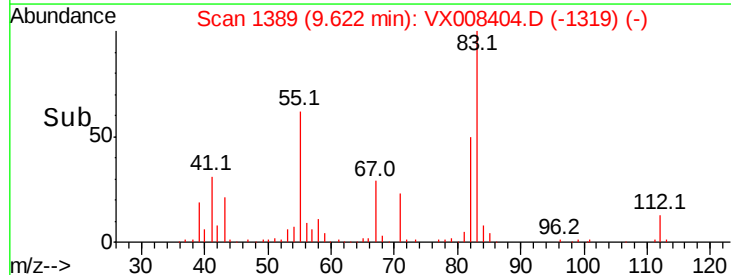
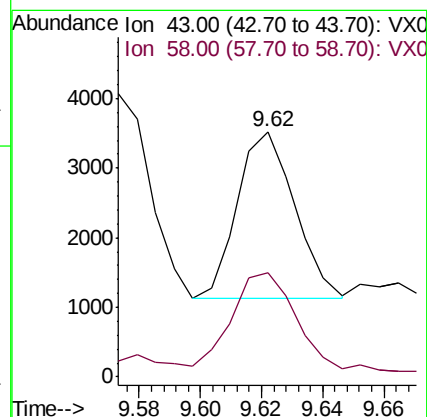
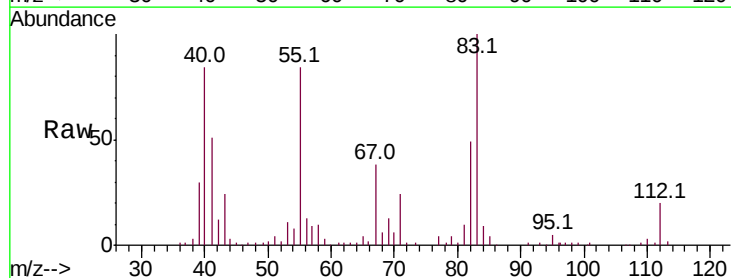
Acq: 24 Mar 2019 19:57

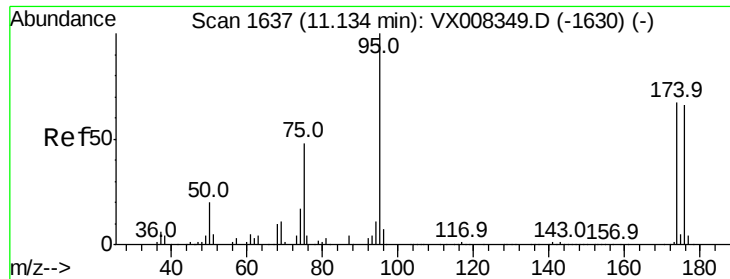
Tgt Ion: 43 Resp: 3122

Ion Ratio Lower Upper

43 100

58 67.9 27.6 82.7





#62

4-Bromofluorobenzene

Concen: 49.865 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

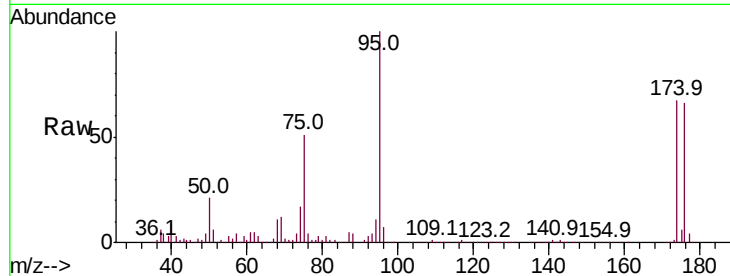
Tot Ion: 95 Resp: 182894

Ion Ratio Lower Upper

95 100

174 68.2 0.0 182.8

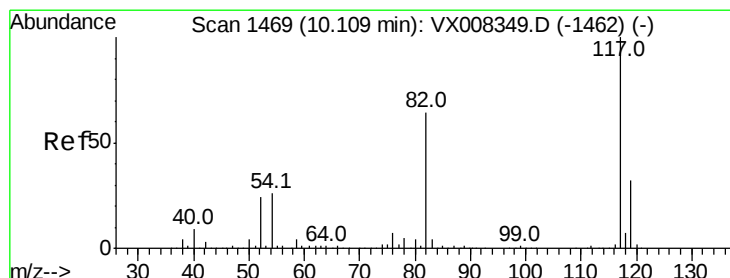
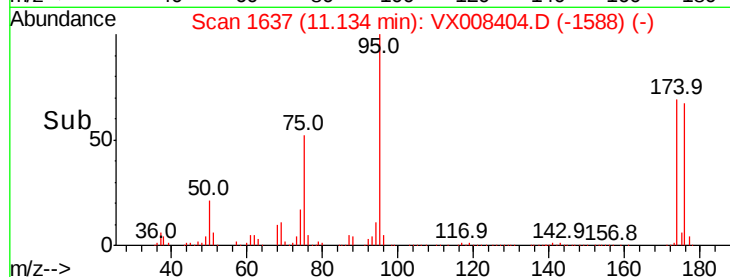
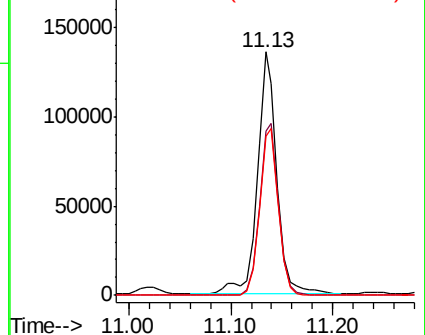
176 66.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

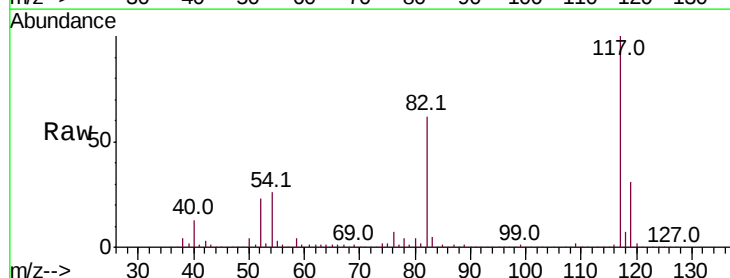
Tgt Ion: 117 Resp: 337167

Ion Ratio Lower Upper

117 100

82 61.5 44.3 66.5

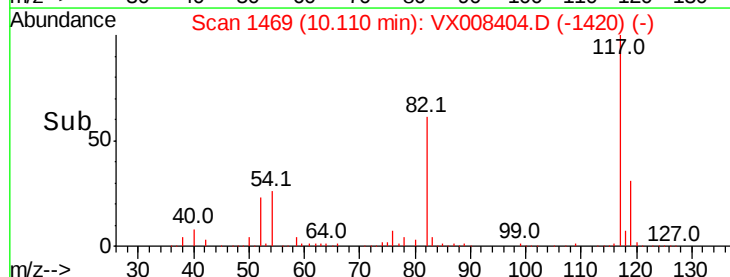
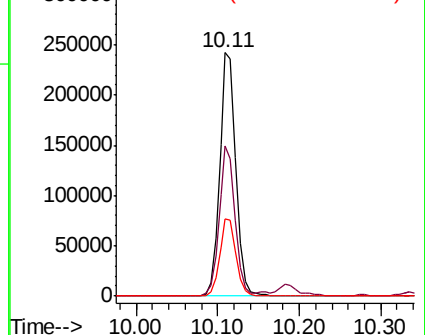
119 31.5 25.3 37.9

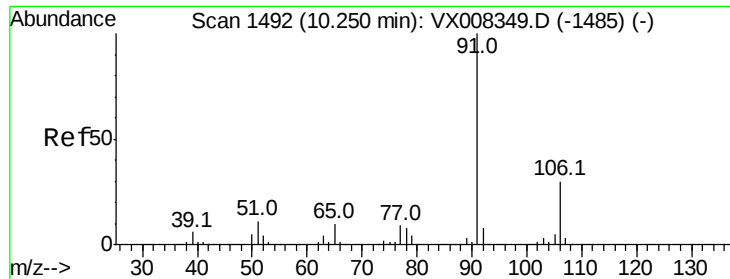


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 17.867 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

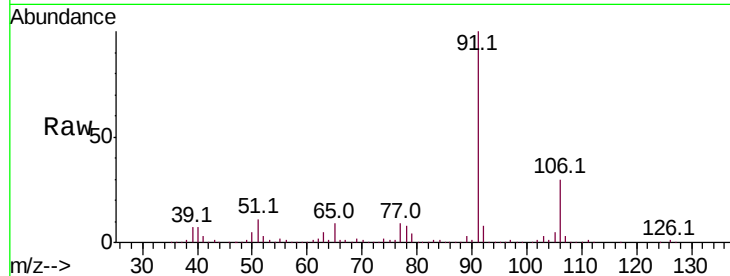
MW-3

Tot Ion: 91 Resp: 236574

Ion Ratio Lower Upper

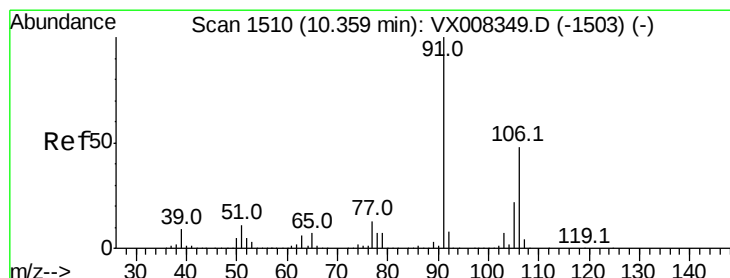
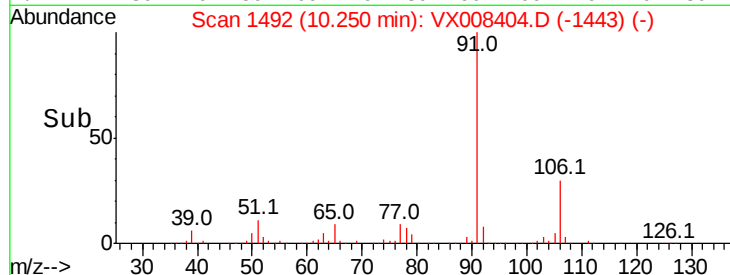
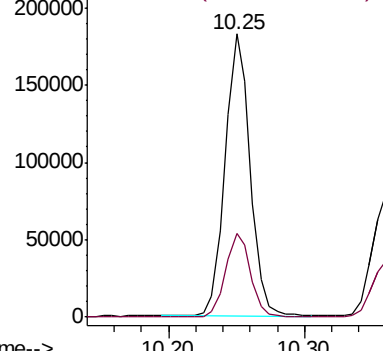
91 100

106 29.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.230 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008404.D

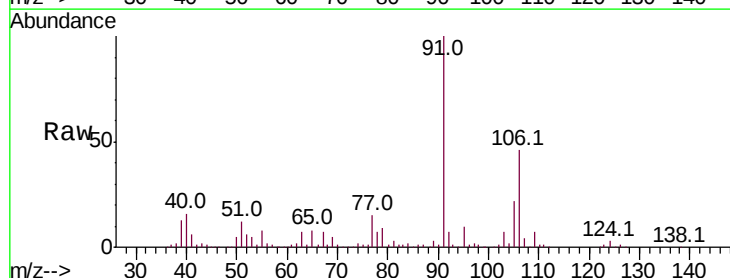
Acq: 24 Mar 2019 19:57

Tgt Ion: 106 Resp: 48669

Ion Ratio Lower Upper

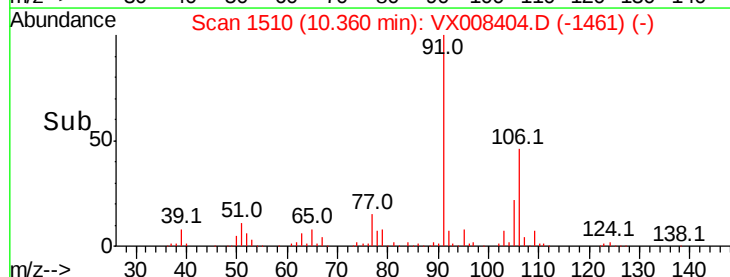
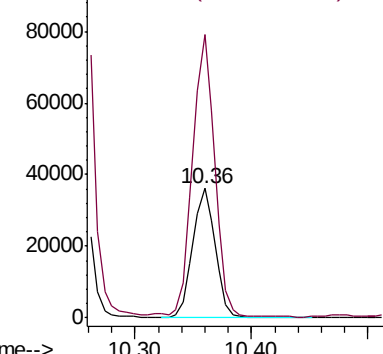
106 100

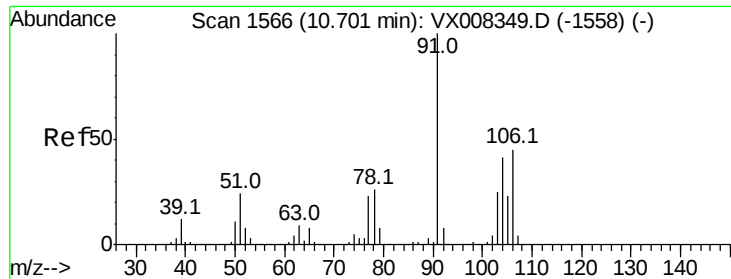
91 214.0 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

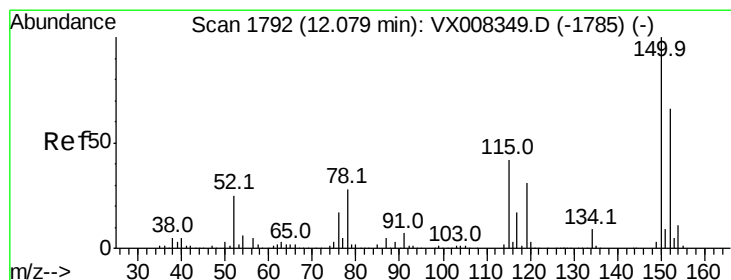
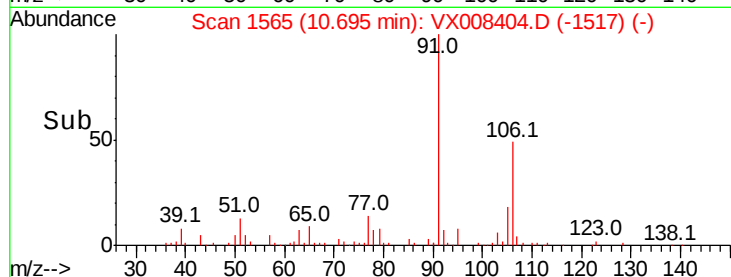
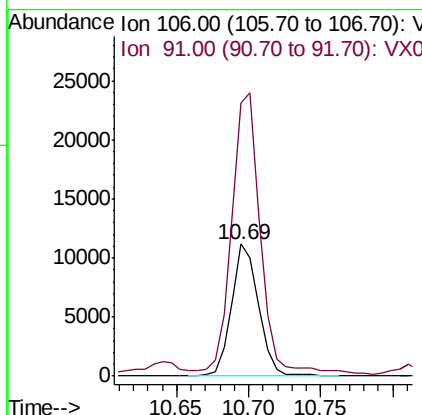
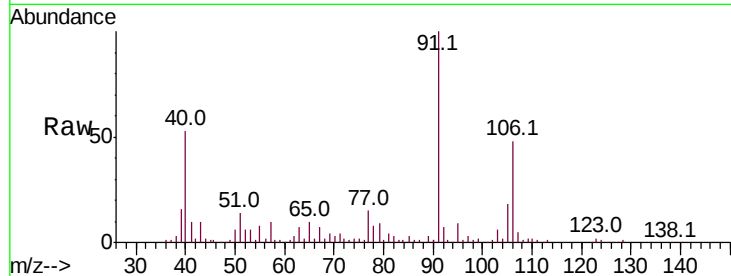




#69
o-Xylene
Concen: 3.178 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

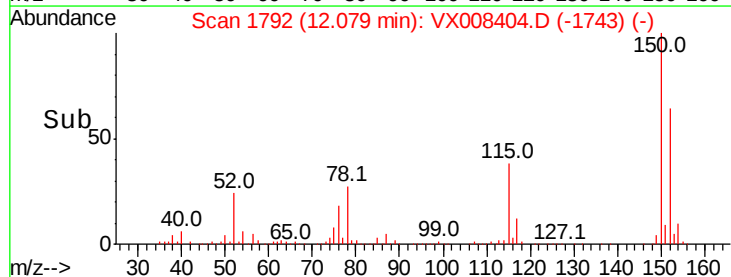
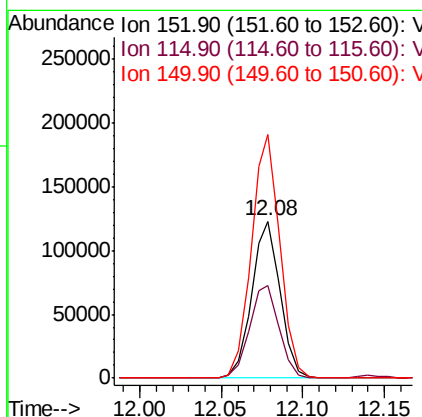
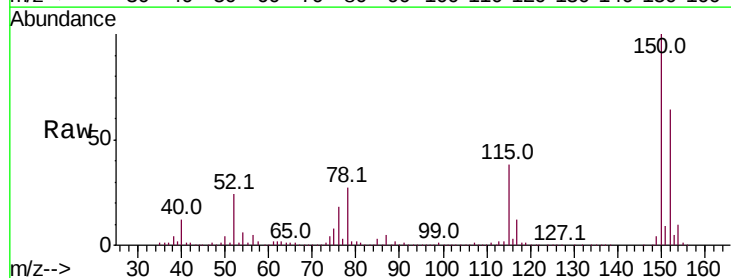
Instrument :
MSVOA_X
ClientSampled :
MW-3

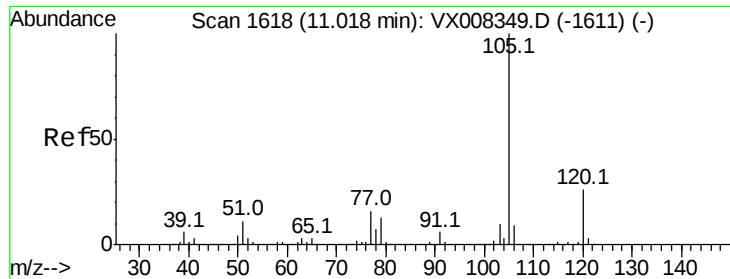
Tot Ion:106 Resp: 14782
Ion Ratio Lower Upper
106 100
91 225.1 106.3 318.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion:152 Resp: 148169
Ion Ratio Lower Upper
152 100
115 61.7 38.6 115.7
150 156.7 0.0 348.4





#73

Isopropylbenzene

Concen: 67.740 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

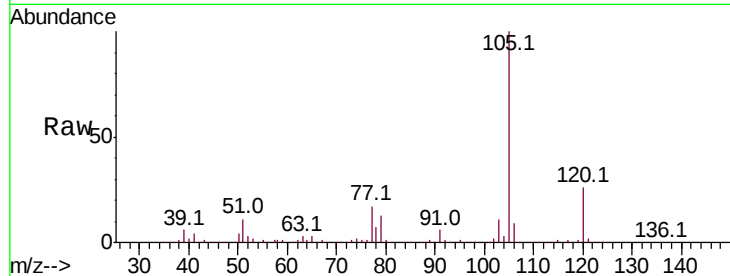
MW-3

Tot Ion:105 Resp: 792096

Ion Ratio Lower Upper

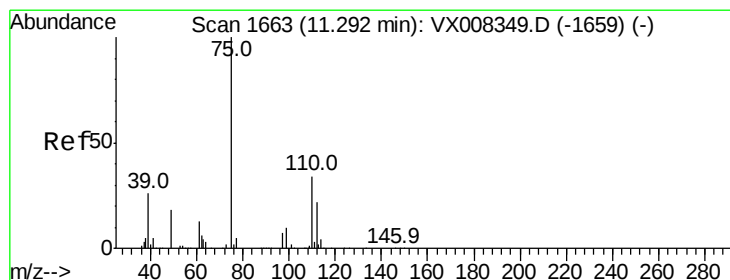
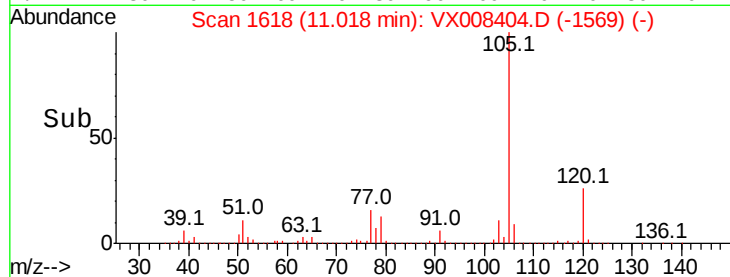
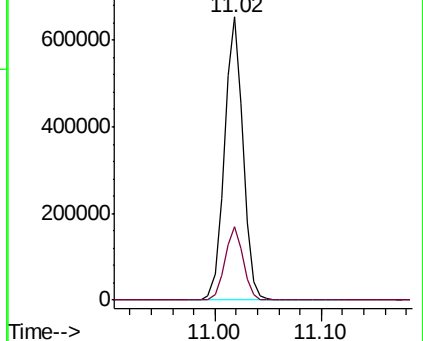
105 100

120 25.6 13.4 40.1



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: 0.990 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.06 min

Lab File: VX008404.D

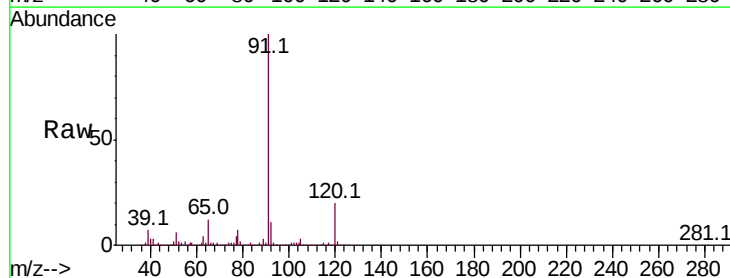
Acq: 24 Mar 2019 19:57

Tgt Ion: 75 Resp: 3840

Ion Ratio Lower Upper

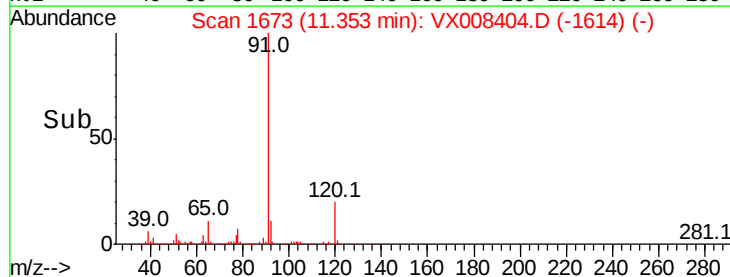
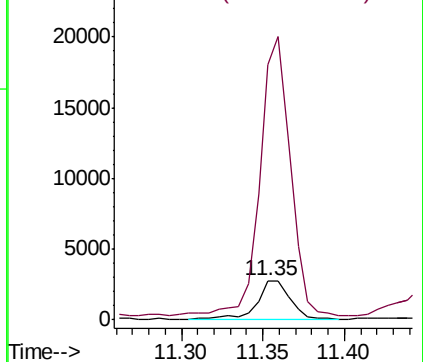
75 100

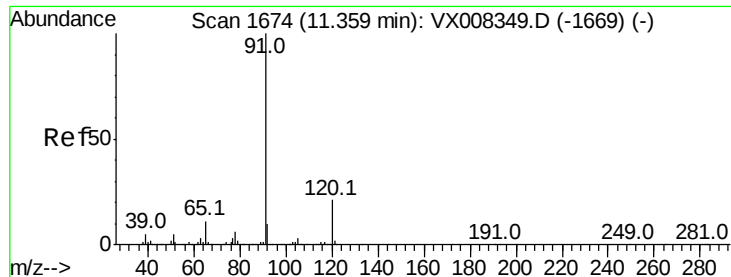
77 666.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 44.075 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

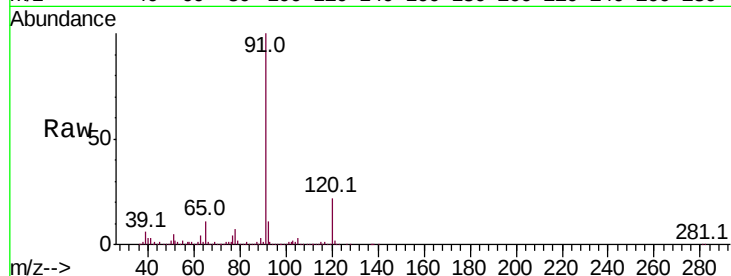
MW-3

Tot Ion: 91 Resp: 604044

Ion Ratio Lower Upper

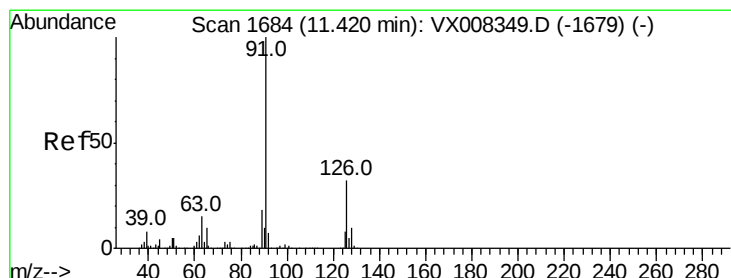
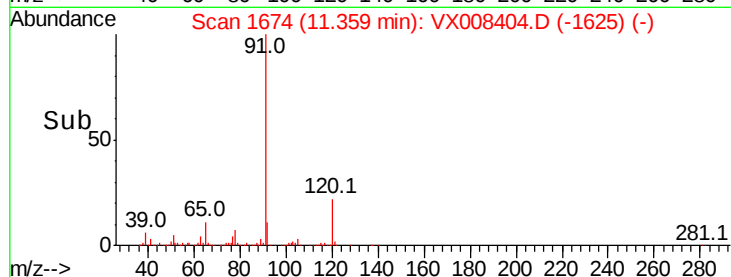
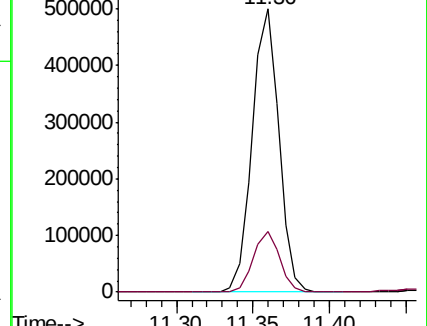
91 100

120 21.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 72.355 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX008404.D

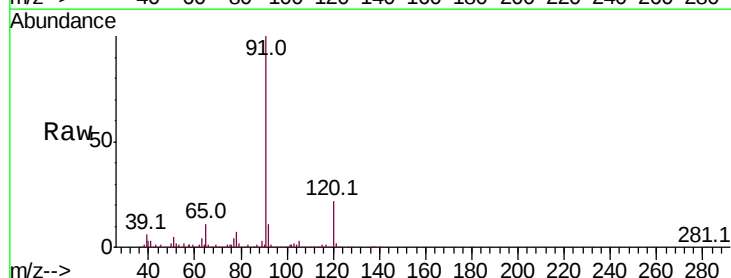
Acq: 24 Mar 2019 19:57

Tgt Ion: 91 Resp: 604044

Ion Ratio Lower Upper

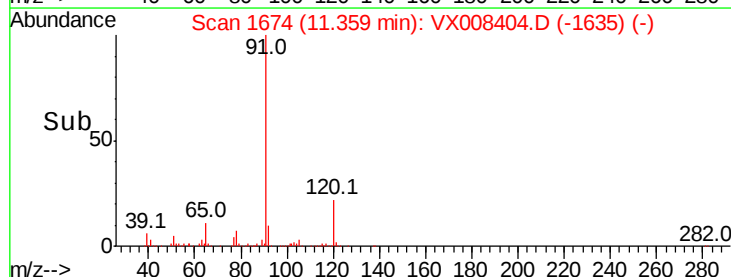
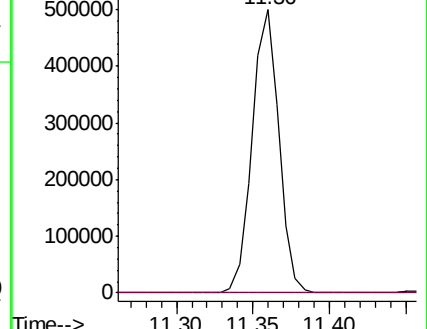
91 100

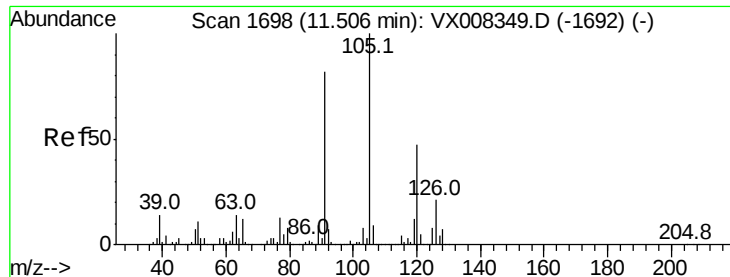
126 0.0 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.381 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

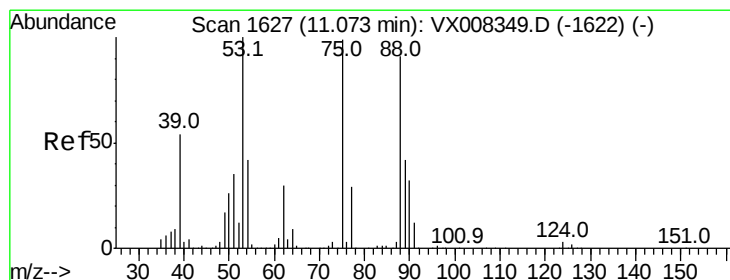
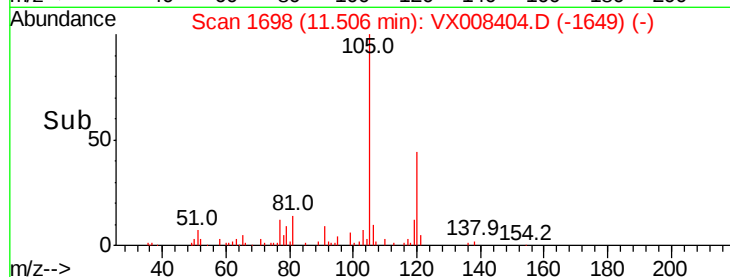
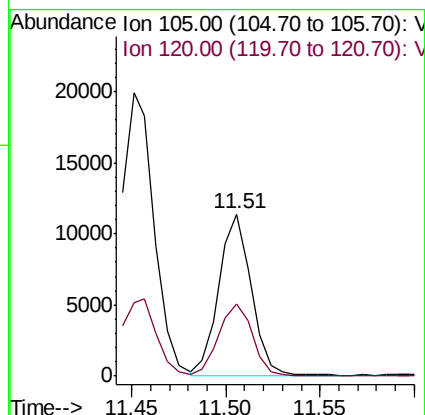
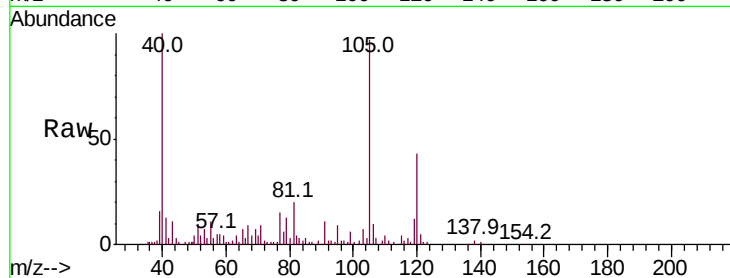
MW-3

Tot Ion:105 Resp: 13733

Ion Ratio Lower Upper

105 100

120 46.1 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 7.058 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

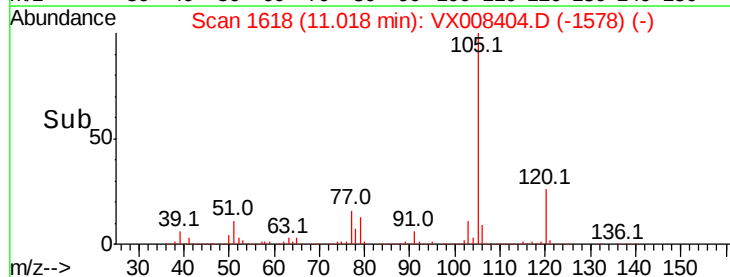
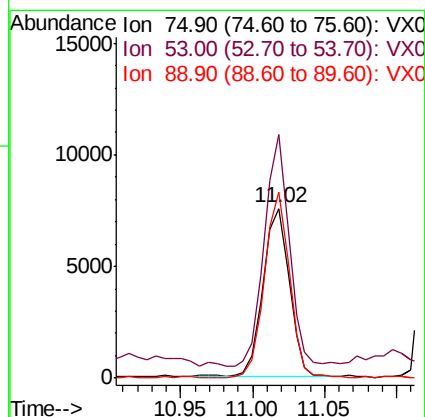
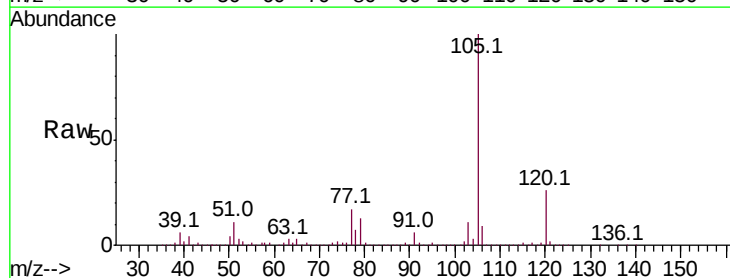
Tgt Ion: 75 Resp: 9605

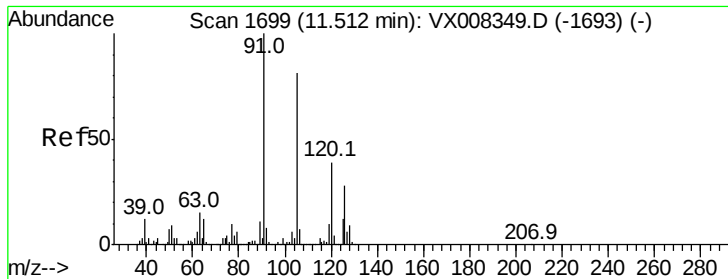
Ion Ratio Lower Upper

75 100

53 127.0 76.1 114.1#

89 105.0 36.3 54.5#





#82

4-Chlorotoluene

Concen: 62.795 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

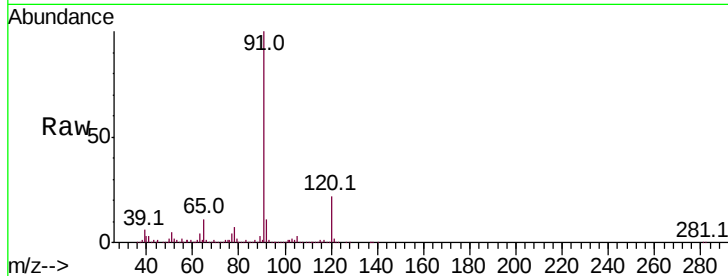
MW-3

Tot Ion: 91 Resp: 604044

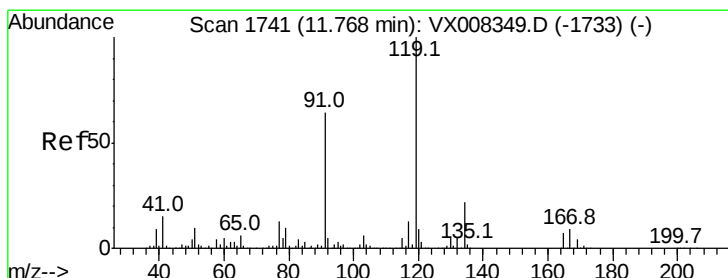
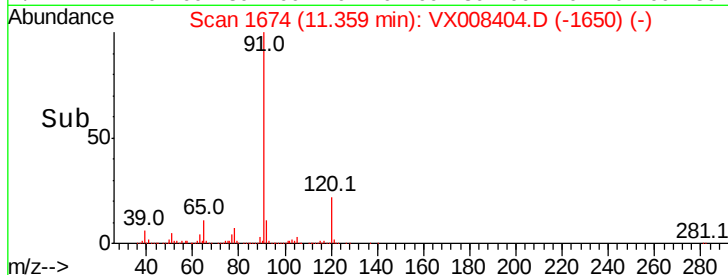
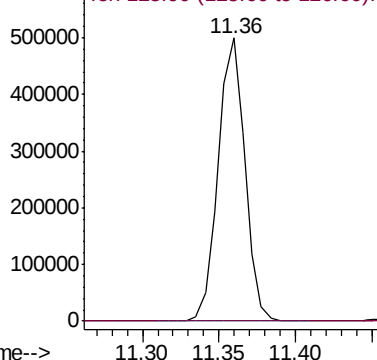
Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VX008349.D (-1693) (-)



#83

tert-Butylbenzene

Concen: 2.777 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

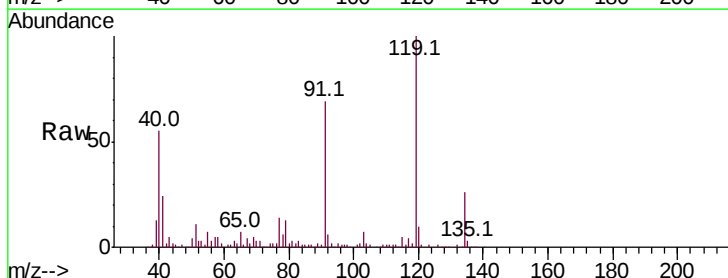
Tgt Ion: 119 Resp: 26305

Ion Ratio Lower Upper

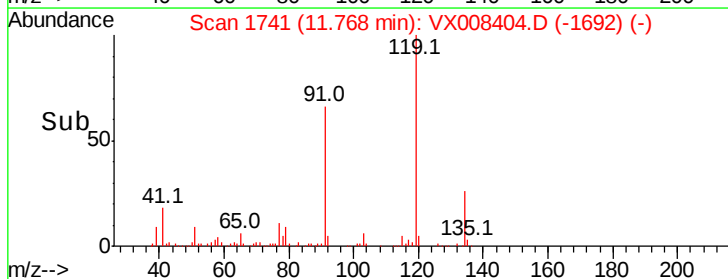
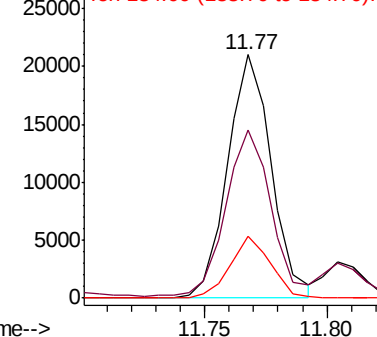
119 100

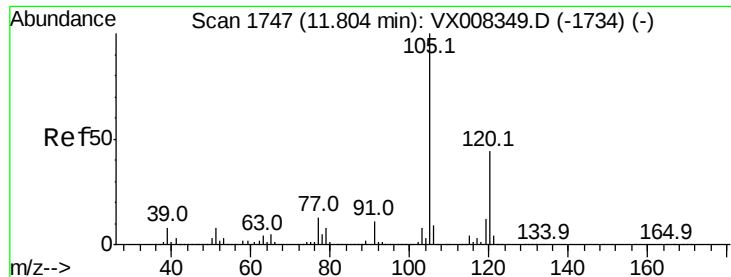
91 69.9 27.1 81.3

134 23.6 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): VX008349.D (-1733) (-)

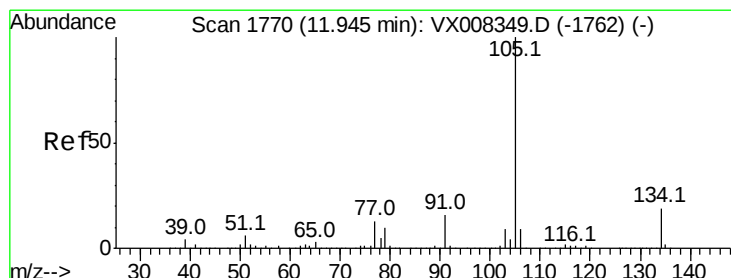
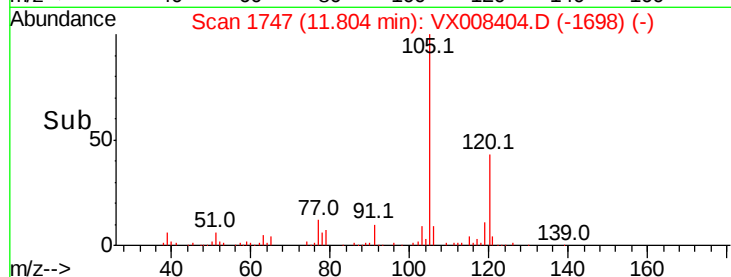
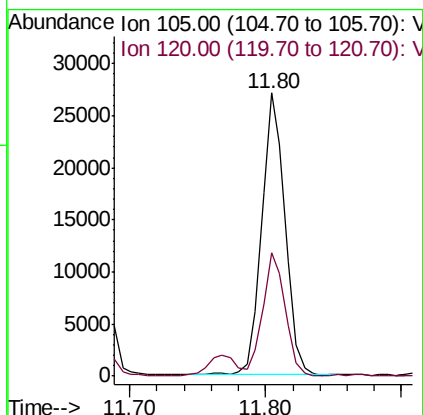
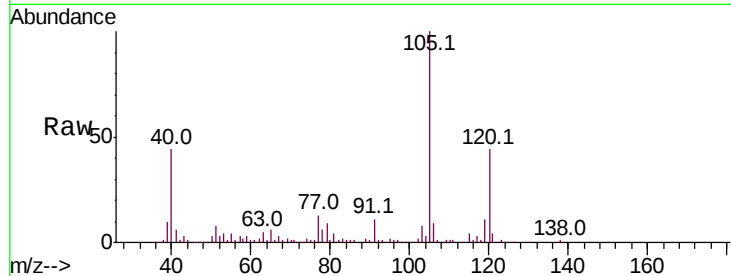




#84
1,2,4-Trimethylbenzene
Concen: 3.281 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

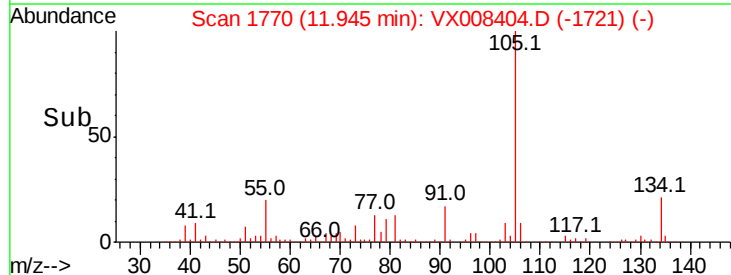
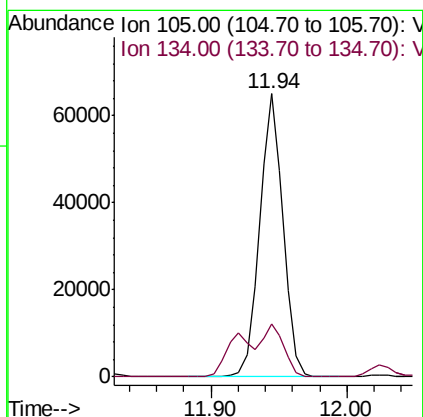
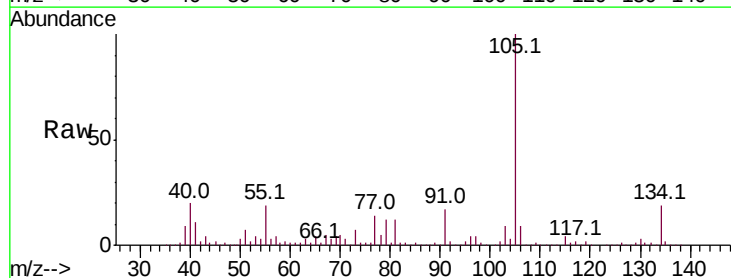
Instrument :
MSVOA_X
ClientSampleId :
MW-3

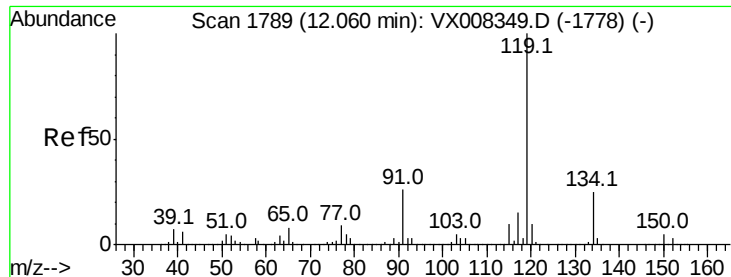
Tot Ion:105 Resp: 32572
Ion Ratio Lower Upper
105 100
120 41.8 22.6 67.7



#85
sec-Butylbenzene
Concen: 6.888 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion:105 Resp: 78198
Ion Ratio Lower Upper
105 100
134 17.0 10.4 31.2

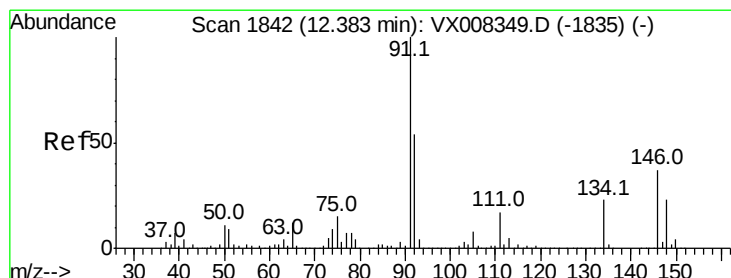
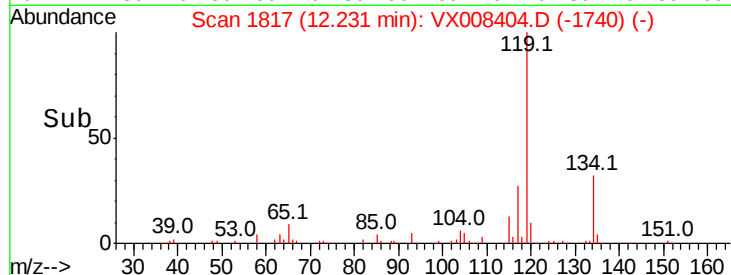
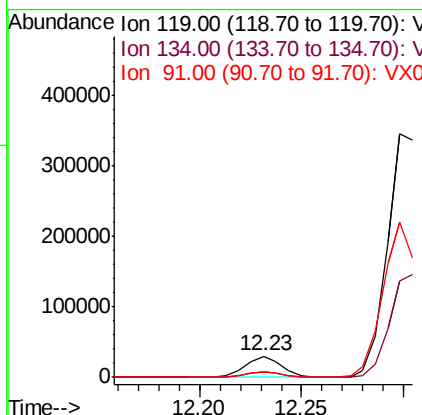
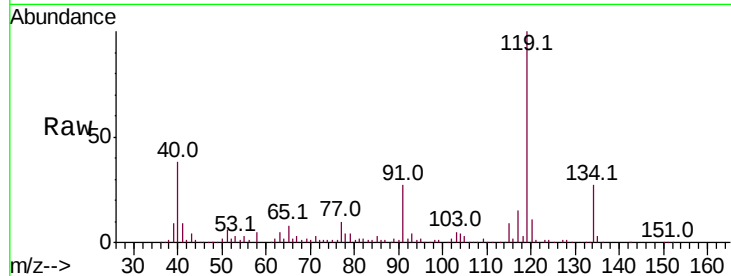




#86
p-Isopropyltoluene
Concen: 3.609 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

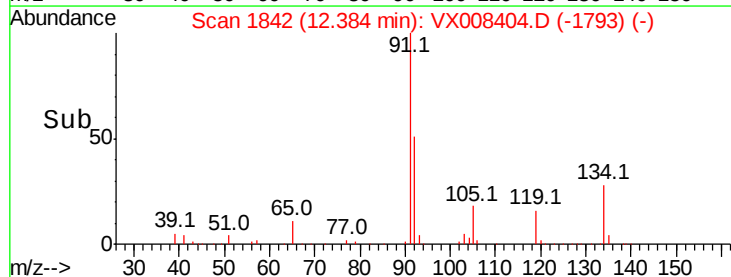
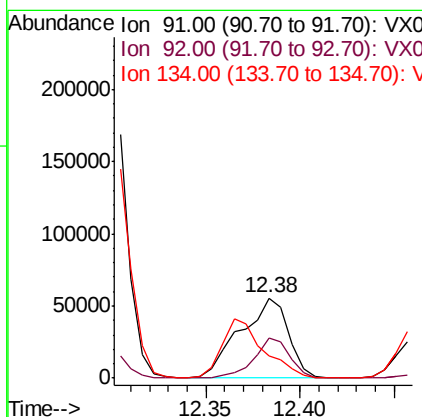
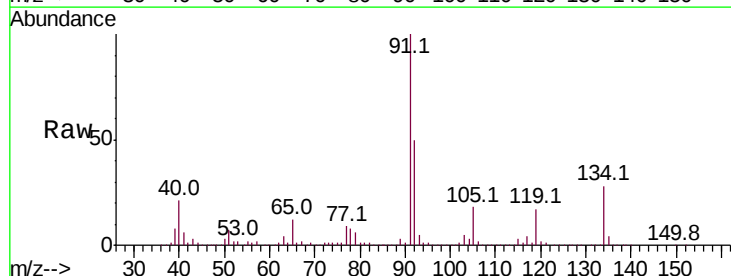
Instrument :
MSVOA_X
ClientSampled :
MW-3

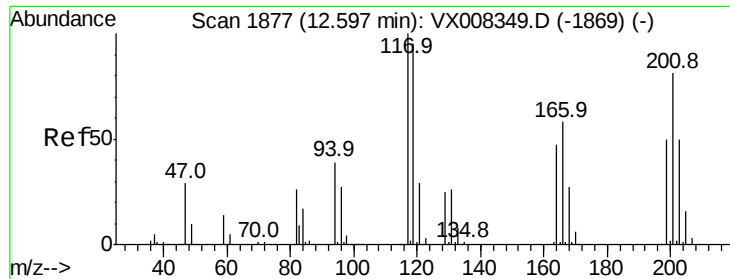
Tot Ion:119 Resp: 36116
Ion Ratio Lower Upper
119 100
134 26.5 13.3 39.9
91 25.2 10.9 32.7



#89
n-Butylbenzene
Concen: 10.308 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion: 91 Resp: 98473
Ion Ratio Lower Upper
91 100
92 36.8 27.0 80.8
134 63.4 13.7 41.0#





#90

Hexachloroethane

Concen: 72.608 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

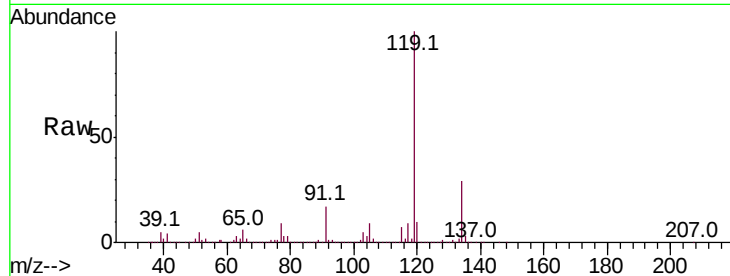
MW-3

Tot Ion:117 Resp: 120013

Ion Ratio Lower Upper

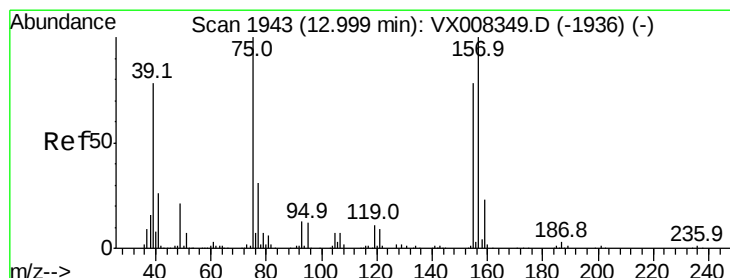
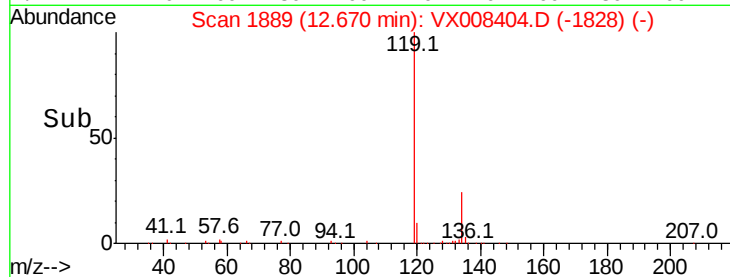
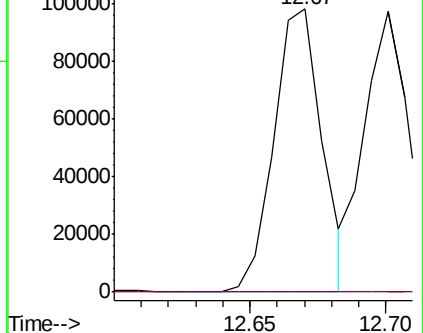
117 100

201 0.0 48.9 146.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.238 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

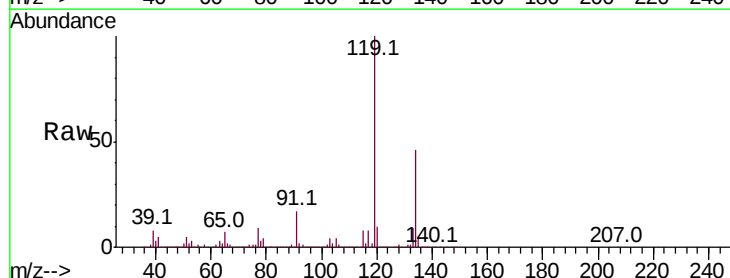
Tgt Ion: 75 Resp: 6192

Ion Ratio Lower Upper

75 100

155 0.0 49.7 149.1#

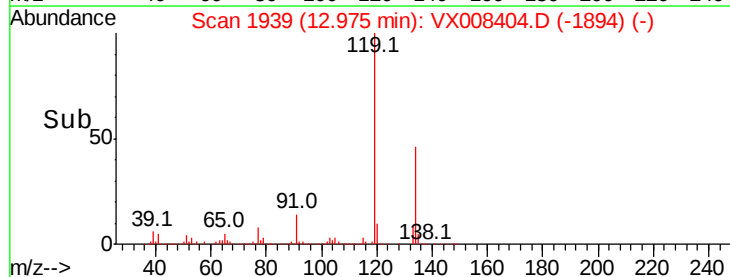
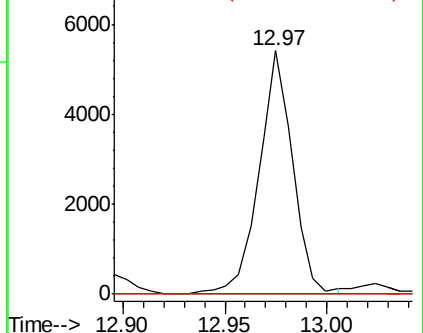
157 0.0 63.8 191.4#

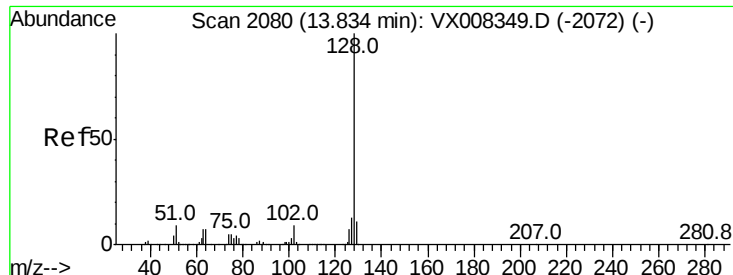


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.303 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

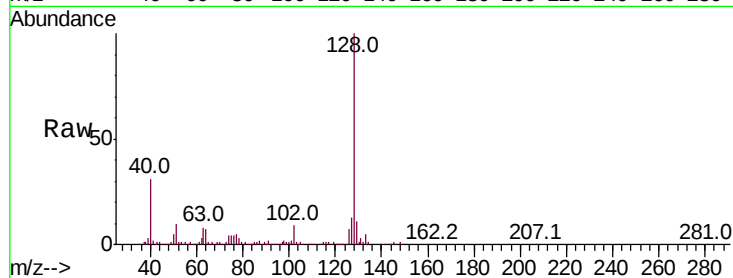
Tot Ion:128 Resp: 51287

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 15.1 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

