

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008403.D
 Acq On : 24 Mar 2019 19:34
 Operator : JC/SP
 Sample : K2059-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Mar 25 05:48:28 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	5.67	168	227875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	160989	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	5.49	113	122473	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.71	98	499392	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	177457	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
3) Chloromethane	1.28	50	10953	2.864	ug/l #	44
11) Tert butyl alcohol	3.04	59	1008	1.302	ug/l #	73
13) Acrolein	2.26	56	11858	17.925	ug/l #	1
14) Allyl chloride	2.78	41	12295	2.141	ug/l #	31
15) Acrylonitrile	3.17	53	33363	16.829	ug/l #	40
16) Acetone	2.39	43	118470	68.195	ug/l #	51
18) Methyl Acetate	2.85	43	462454	106.351	ug/l #	54
19) Methyl tert-butyl Ether	3.20	73	6310	0.675	ug/l #	1
20) Methylene Chloride	2.78	84	3895	1.245	ug/l #	14
23) Vinyl Acetate	3.82	43	11773	1.193	ug/l #	80
25) 2-Butanone	4.68	43	12049	4.212	ug/l	96
29) Tetrahydrofuran	5.07	42	851	0.448	ug/l #	35
30) Chloroform	5.28	83	52901	10.294	ug/l #	29
31) Cyclohexane	5.59	56	339735	62.158	ug/l #	90
36) 1,1-Dichloropropene	5.66	75	19643	4.951	ug/l #	48
37) Ethyl Acetate	4.90	43	3568	0.664	ug/l #	1
38) Carbon Tetrachloride	5.67	117	22441	6.598	ug/l #	17
39) Methylcyclohexane	7.46	83	327084	67.257	ug/l #	87
40) Benzene	6.15	78	36788	3.045	ug/l	100
41) Methacrylonitrile	5.07	41	12761	4.360	ug/l #	42
43) Isopropyl Acetate	6.46	43	21701	2.595	ug/l #	60
45) 1,2-Dichloropropane	7.46	63	4369	1.277	ug/l #	1
46) Dibromomethane	7.64	93	611	0.301	ug/l #	1
47) Bromodichloromethane	7.84	83	5729	1.480	ug/l #	81
48) Methyl methacrylate	7.73	41	56034	13.281	ug/l #	61
51) 4-Methyl-2-Pentanone	8.84	43	1118	0.204	ug/l	100
52) Toluene	8.78	92	15177	2.142	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	50406	17.127	ug/l #	19
56) Ethyl methacrylate	9.16	69	16167	3.103	ug/l #	12
59) 2-Hexanone	9.62	43	10790	2.562	ug/l	91
67) Ethyl Benzene	10.25	91	439856	33.252	ug/l	96
68) m/p-Xylenes	10.36	106	80403	16.917	ug/l	91
69) o-Xylene	10.70	106	3181	0.684	ug/l	90
73) Isopropylbenzene	11.02	105	612852	52.777	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

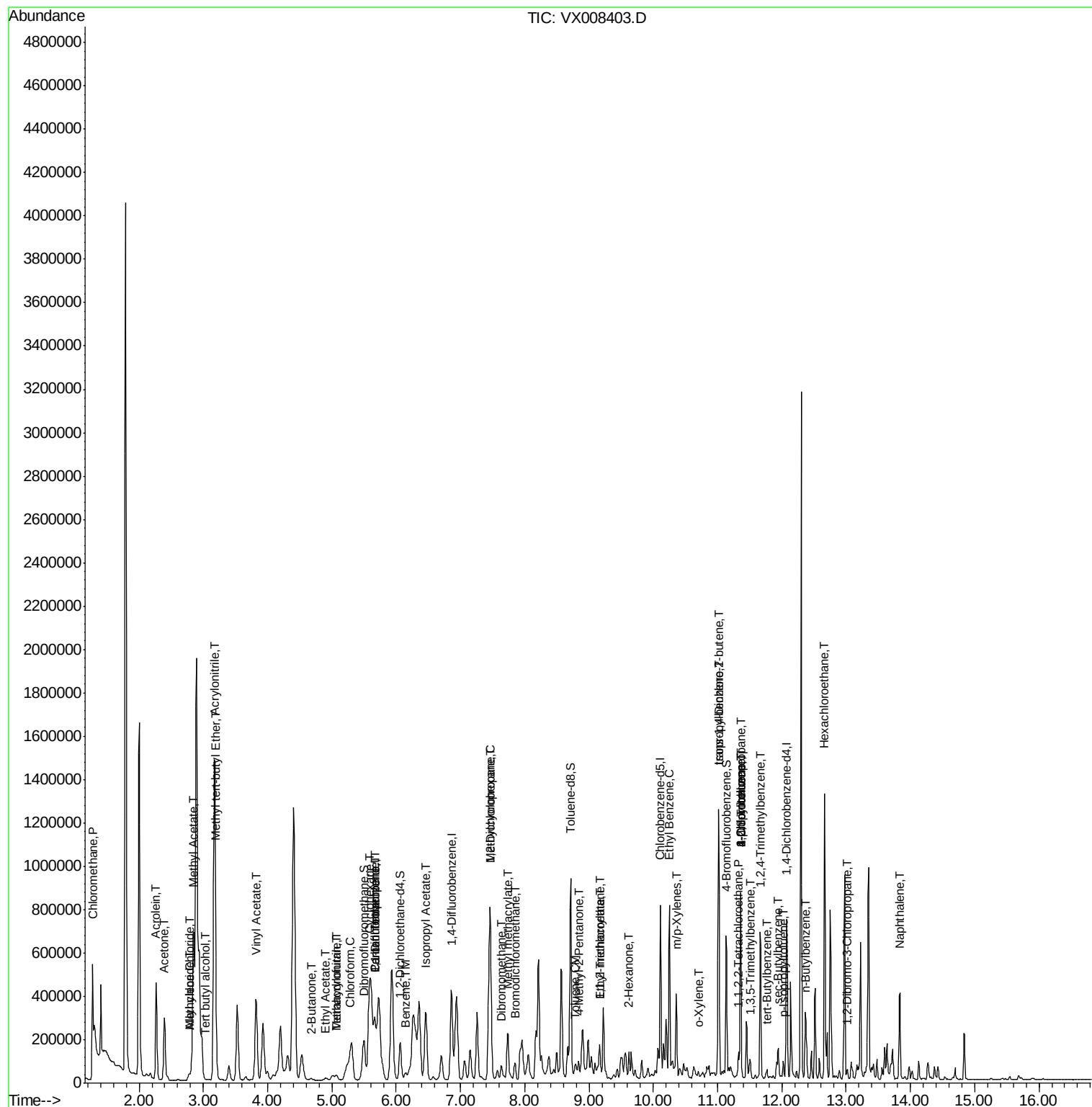
75) 1,1,2,2-Tetrachloroethane	11.32	83	10593	2.290	ug/l #	44
76) 1,2,3-Trichloropropane	11.36	75	3439	0.893	ug/l #	1
78) n-propylbenzene	11.36	91	499300	36.686	ug/l	94
79) 2-Chlorotoluene	11.36	91	499300	60.227	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	31818	3.221	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.02	75	7682	5.684	ug/l #	50
82) 4-Chlorotoluene	11.36	91	499300	52.268	ug/l #	43
83) tert-Butylbenzene	11.77	119	13281	1.412	ug/l	84
84) 1,2,4-Trimethylbenzene	11.66	105	320212	32.483	ug/l	76
85) sec-Butylbenzene	11.94	105	46823	4.153	ug/l	92
86) p-Isopropyltoluene	12.02	119	29337	2.952	ug/l	96
89) n-Butylbenzene	12.38	91	84529	8.910	ug/l #	68
90) Hexachloroethane	12.66	117	53856	32.811	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	208	0.211	ug/l #	1
95) Naphthalene	13.83	128	238468	20.149	ug/l	98

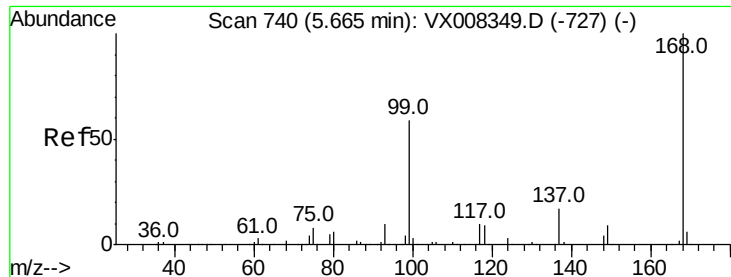
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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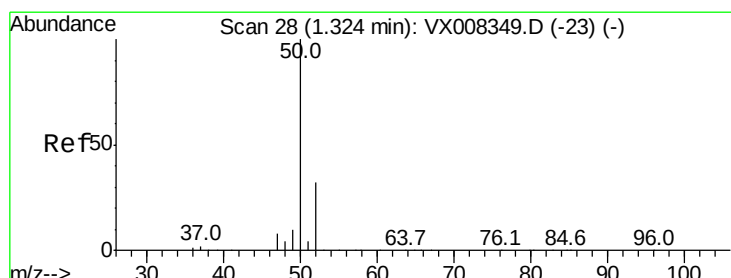
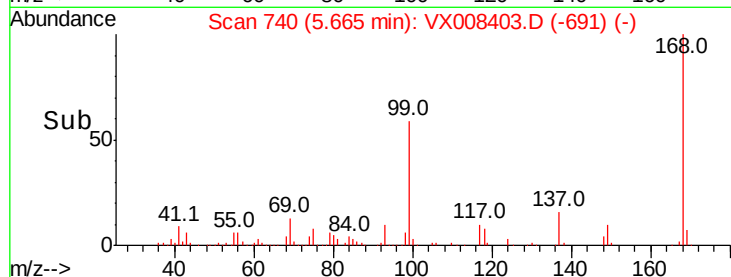
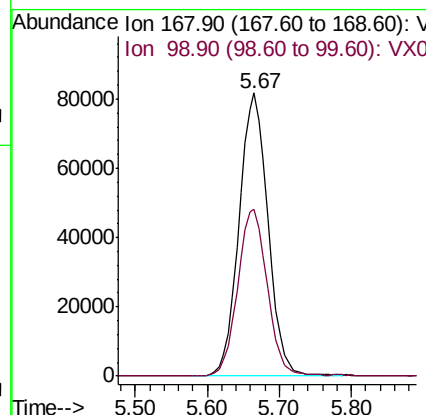
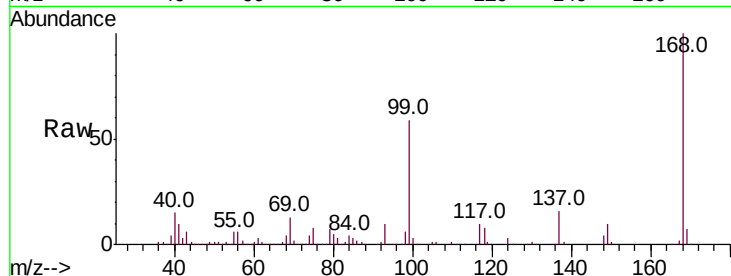




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

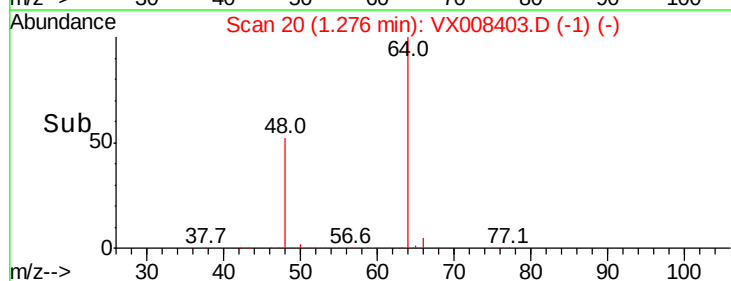
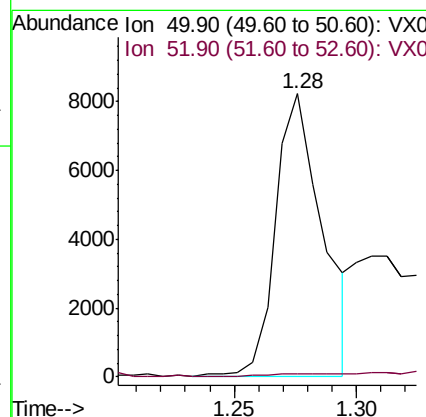
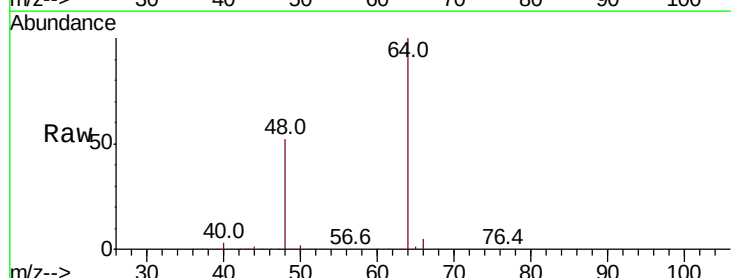
Instrument :
MSVOA_X
ClientSampleId :
MW-2

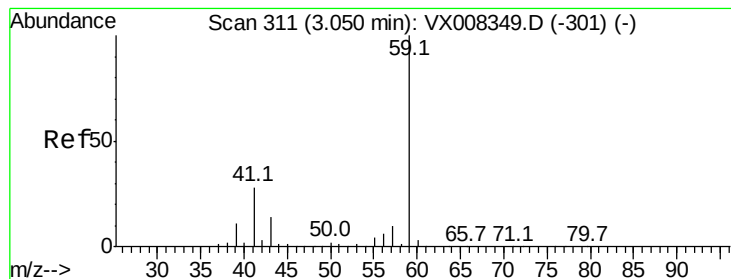
Tot Ion:168 Resp: 227875
Ion Ratio Lower Upper
168 100
99 58.9 37.6 56.4#



#3
Chloromethane
Concen: 2.864 ug/l
RT: 1.28 min Scan# 20
Delta R.T. -0.05 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 50 Resp: 10953
Ion Ratio Lower Upper
50 100
52 1.2 26.5 39.7#



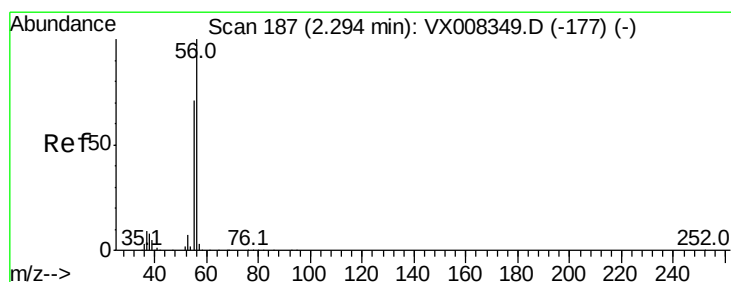
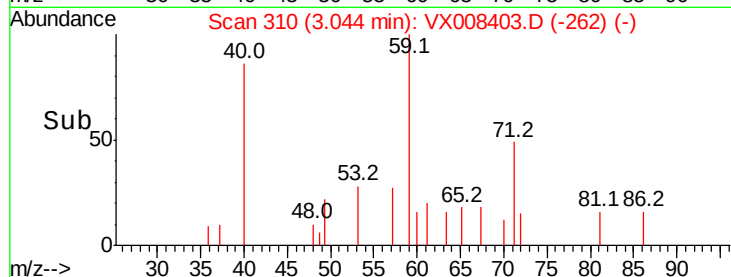
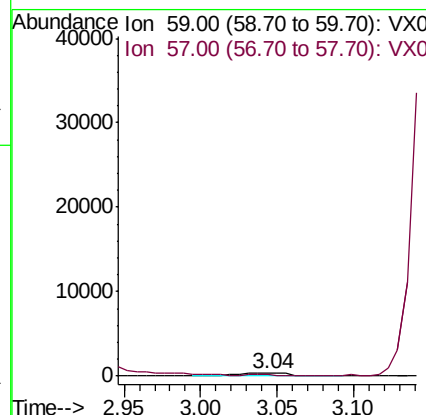
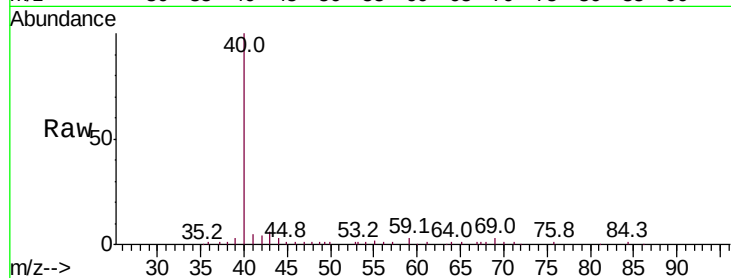


#11

Tert butyl alcohol
Concen: 1.302 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Instrument :
MSVOA_X
ClientSampled :
MW-2

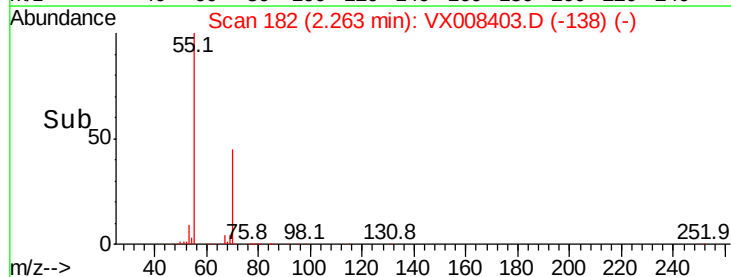
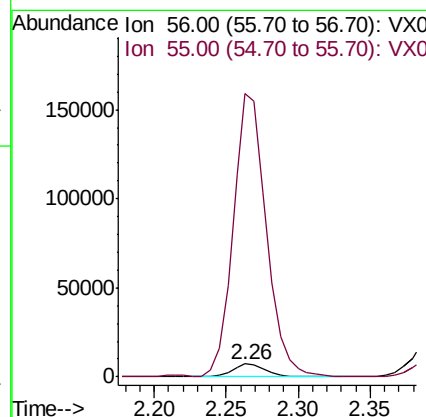
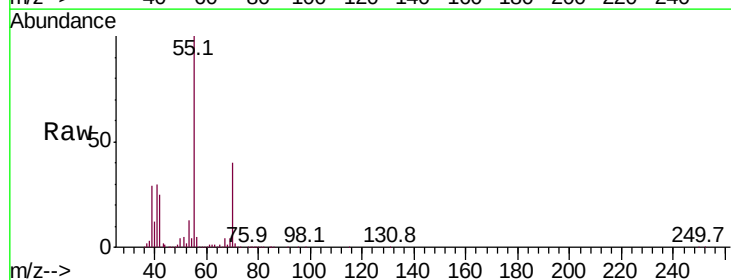
Tot Ion: 59 Resp: 1008
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

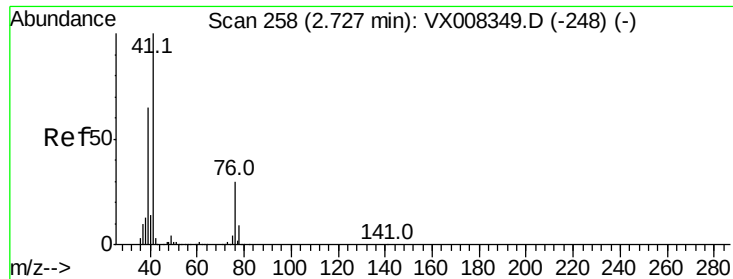


#13

Acrolein
Concen: 17.925 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 56 Resp: 11858
Ion Ratio Lower Upper
56 100
55 2143.5 57.8 86.6#

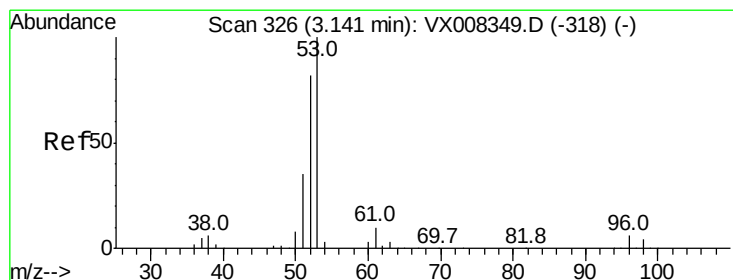
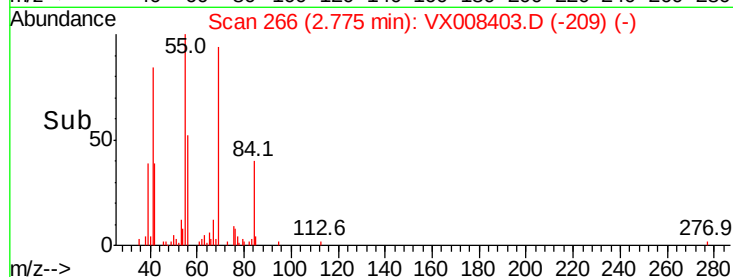
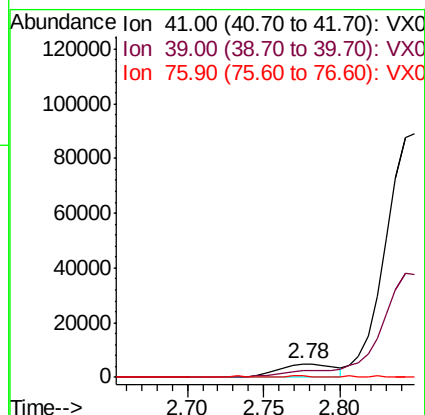
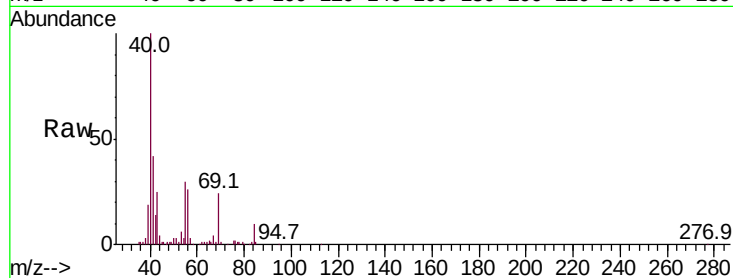




#14
Allvl chloride
Concen: 2.141 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.05 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

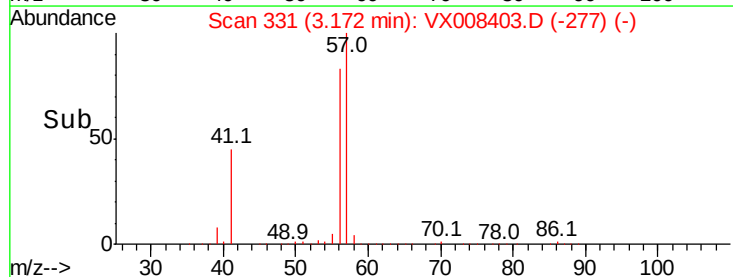
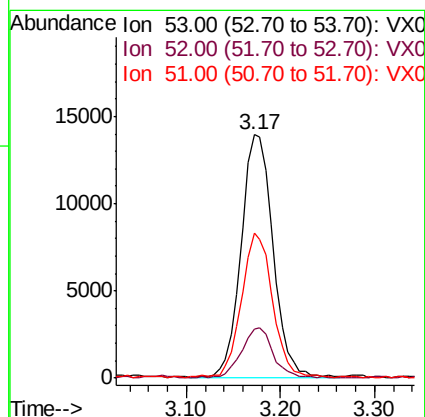
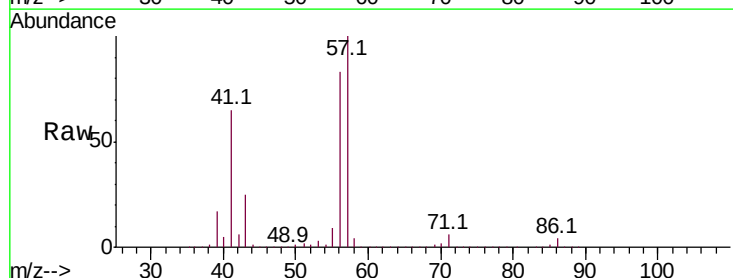
Instrument :
MSVOA_X
ClientSampleId :
MW-2

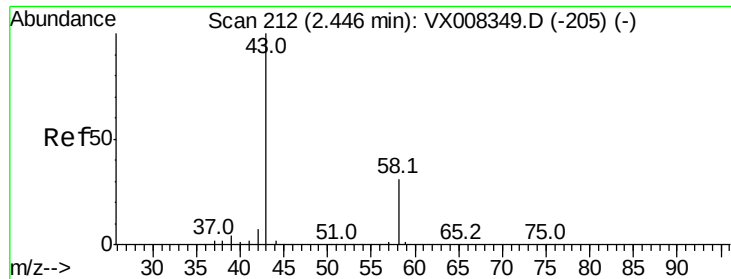
Tot Ion: 41 Resp: 12295
Ion Ratio Lower Upper
41 100
39 0.0 46.1 69.1#
76 1.5 24.0 36.0#



#15
Acrylonitrile
Concen: 16.829 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.03 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 53 Resp: 33363
Ion Ratio Lower Upper
53 100
52 20.4 66.0 99.0#
51 56.8 28.0 42.0#





#16

Acetone

Concen: 68.195 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.05 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

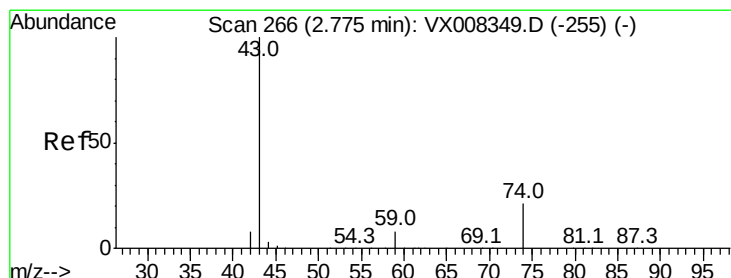
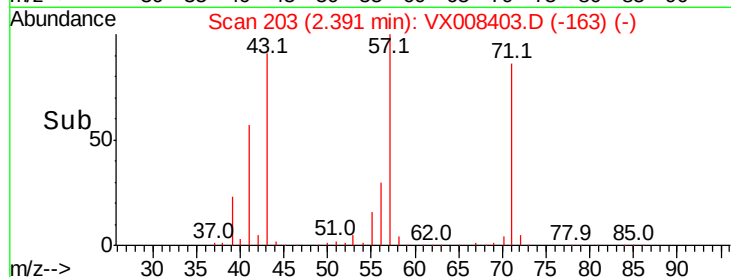
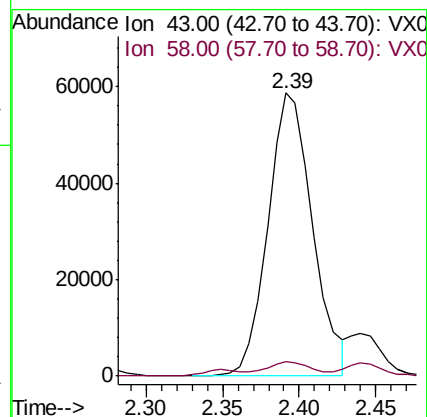
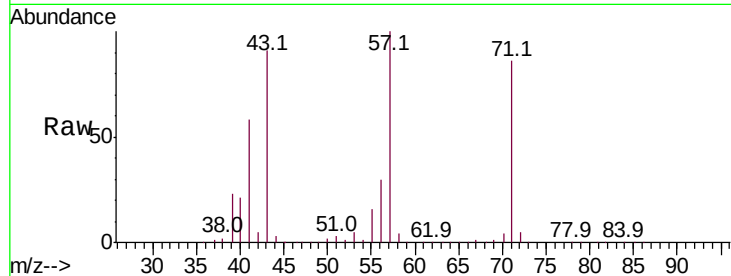
MW-2

Tot Ion: 43 Resp: 118470

Ion Ratio Lower Upper

43 100

58 4.4 25.5 38.3#



#18

Methyl Acetate

Concen: 106.351 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX008403.D

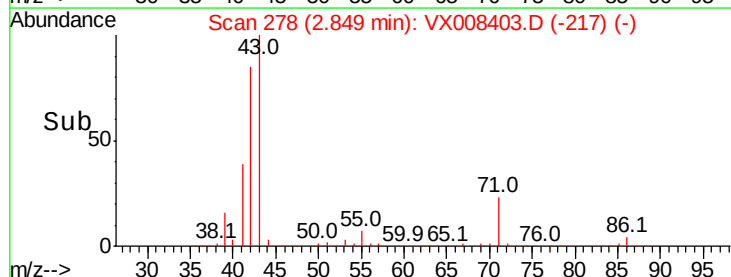
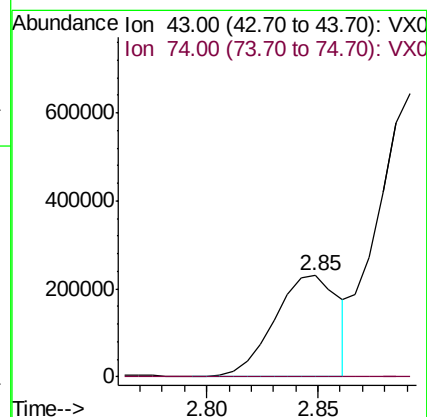
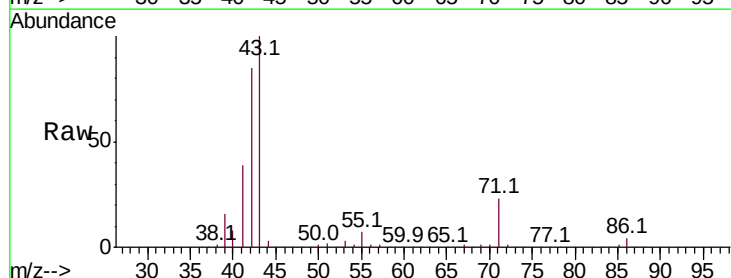
Acq: 24 Mar 2019 19:34

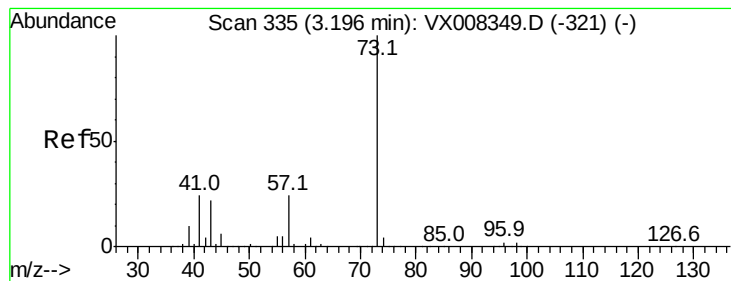
Tgt Ion: 43 Resp: 462454

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.6#





#19

Methyl tert-butyl Ether

Concen: 0.675 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

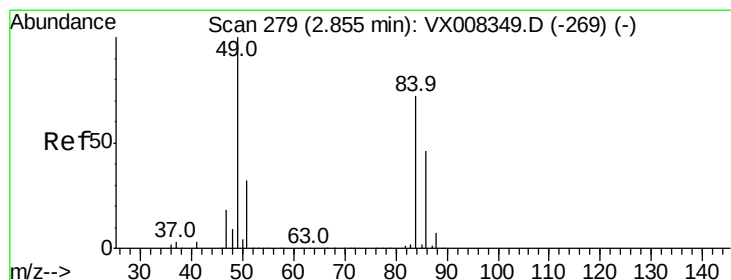
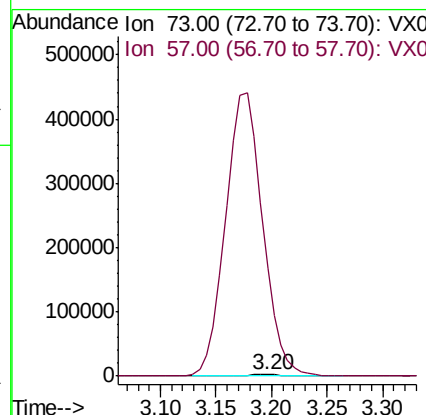
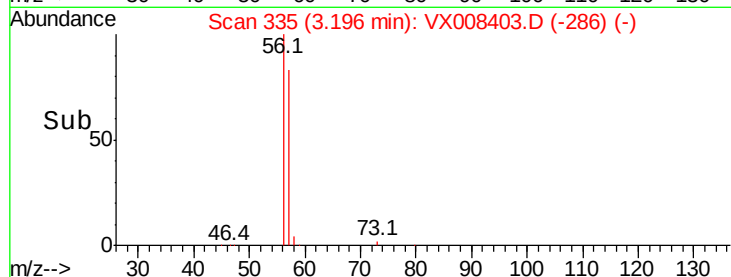
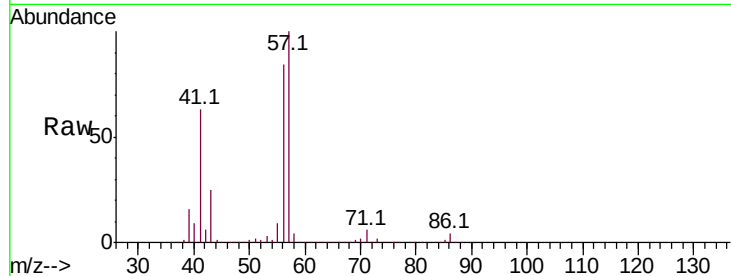
MW-2

Tot Ion: 73 Resp: 6310

Ion Ratio Lower Upper

73 100

57 6227.9 18.2 27.4#



#20

Methylene Chloride

Concen: 1.245 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.07 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Tgt Ion: 84 Resp: 3895

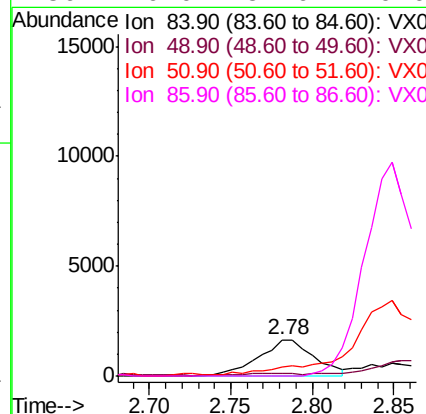
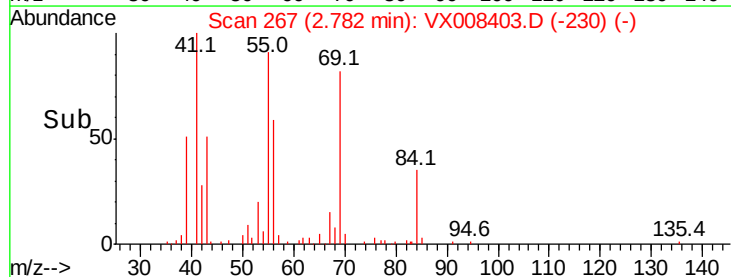
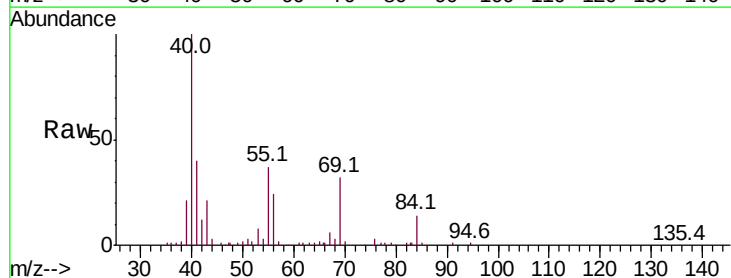
Ion Ratio Lower Upper

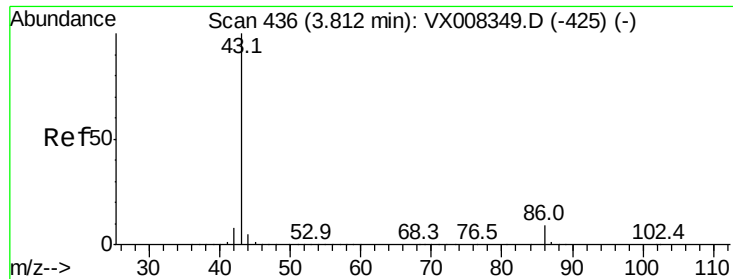
84 100

49 6.2 99.3 148.9#

51 18.0 31.3 46.9#

86 0.0 52.6 79.0#





#23

Vinyl Acetate

Concen: 1.193 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

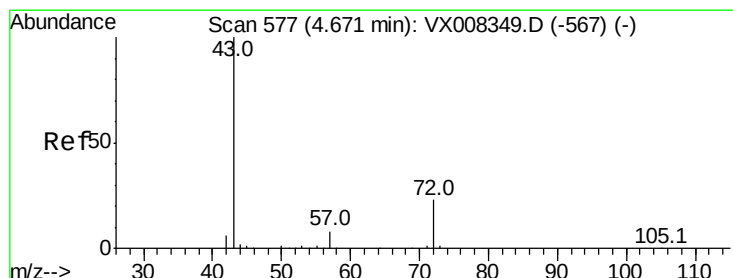
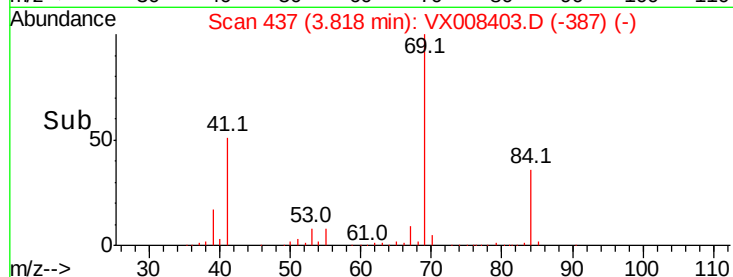
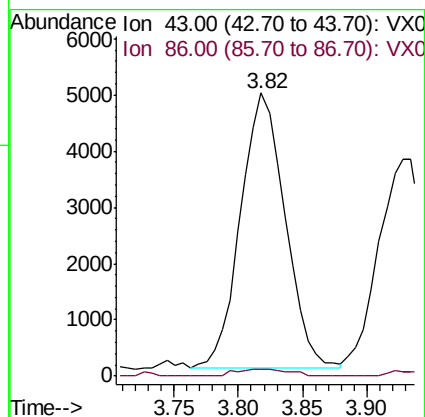
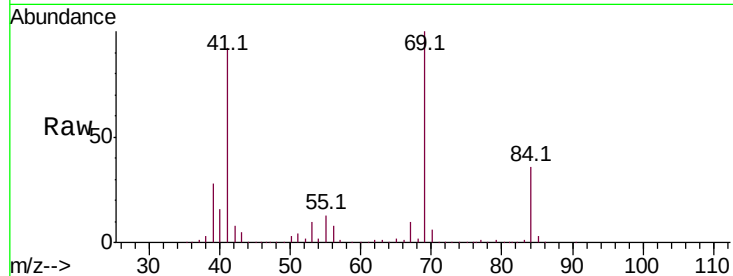
MW-2

Tot Ion: 43 Resp: 11773

Ion Ratio Lower Upper

43 100

86 2.6 7.9 11.9#



#25

2-Butanone

Concen: 4.212 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008403.D

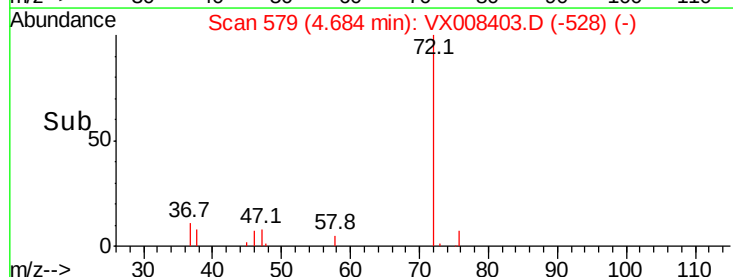
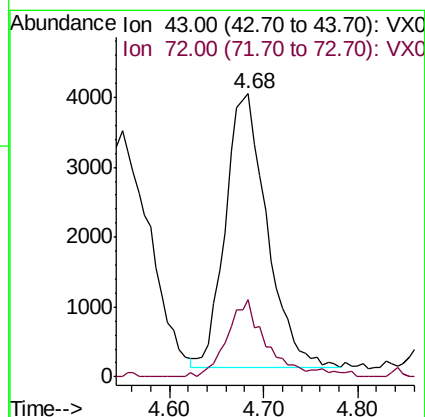
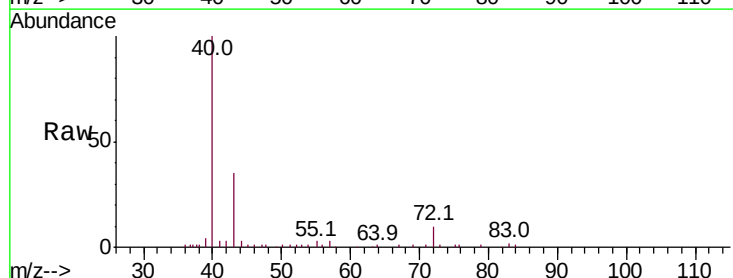
Acq: 24 Mar 2019 19:34

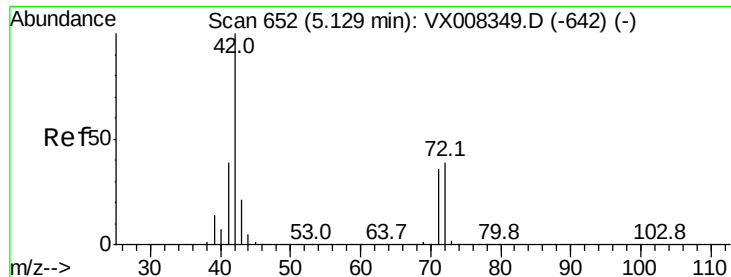
Tgt Ion: 43 Resp: 12049

Ion Ratio Lower Upper

43 100

72 26.8 19.9 29.9





#29

Tetrahydrofuran

Concen: 0.448 ug/l

RT: 5.07 min Scan# 643

Delta R.T. -0.05 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

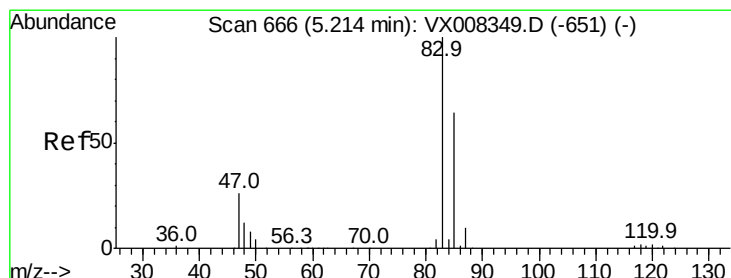
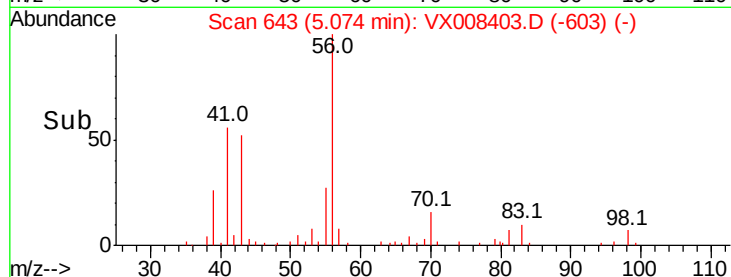
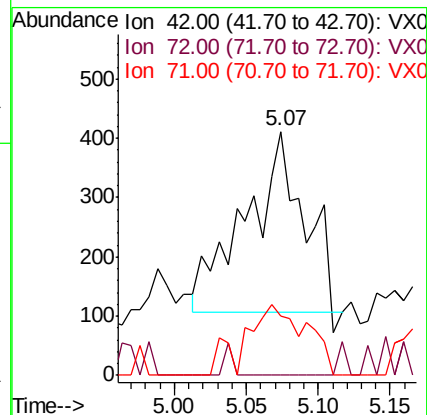
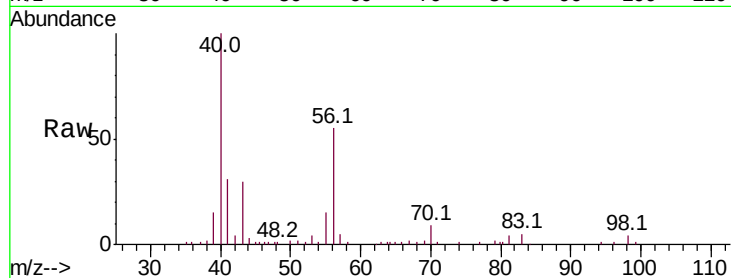
Tot Ion: 42 Resp: 851

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

71 0.0 31.5 47.3#



#30

Chloroform

Concen: 10.294 ug/l

RT: 5.28 min Scan# 676

Delta R.T. 0.06 min

Lab File: VX008403.D

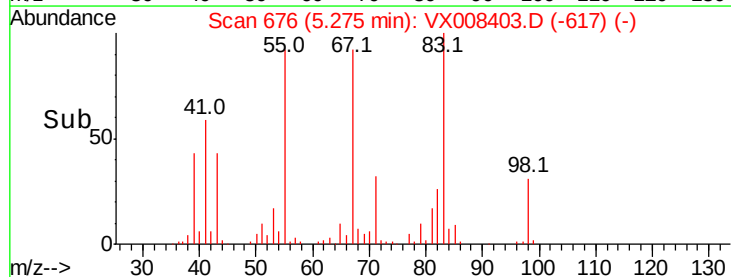
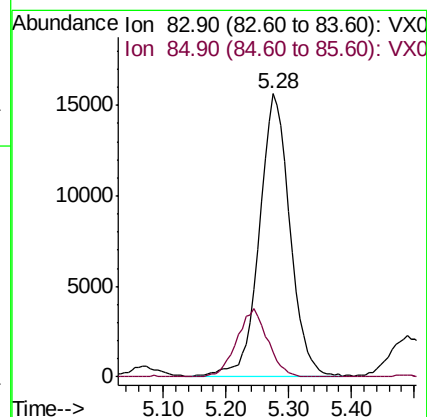
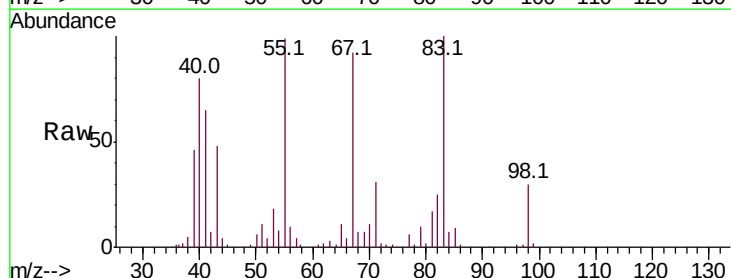
Acq: 24 Mar 2019 19:34

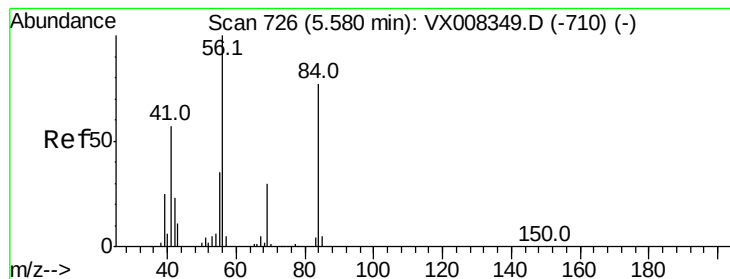
Tgt Ion: 83 Resp: 52901

Ion Ratio Lower Upper

83 100

85 8.6 51.8 77.6#





#31

Cyclohexane

Concen: 62.158 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

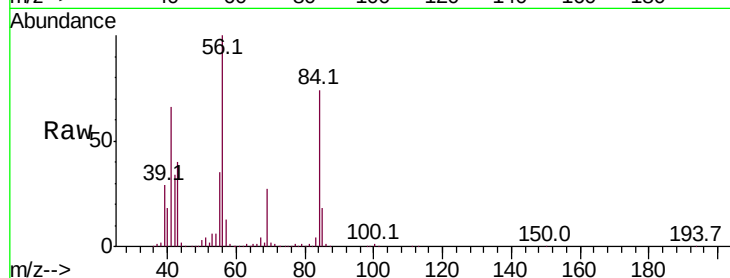
Tot Ion: 56 Resp: 339735

Ion Ratio Lower Upper

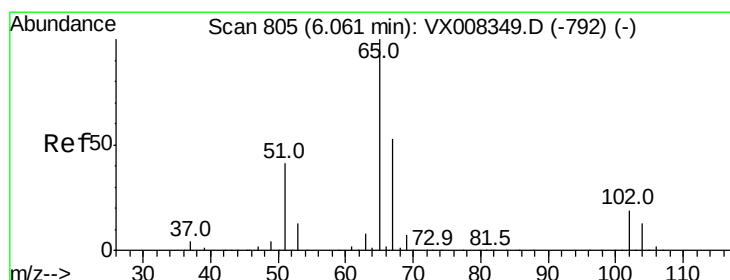
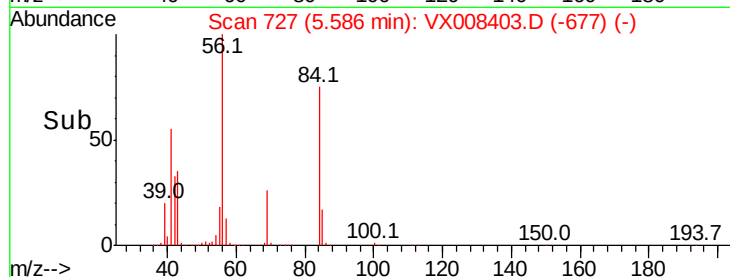
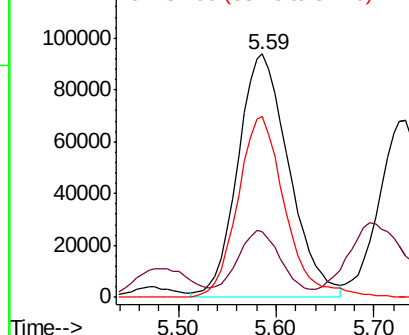
56 100

69 20.3 24.0 36.0#

84 75.1 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.320 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008403.D

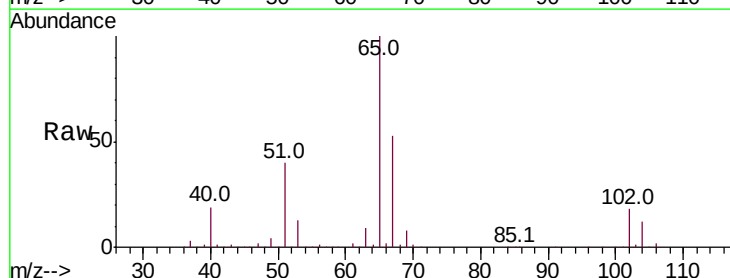
Acq: 24 Mar 2019 19:34

Tgt Ion: 65 Resp: 160989

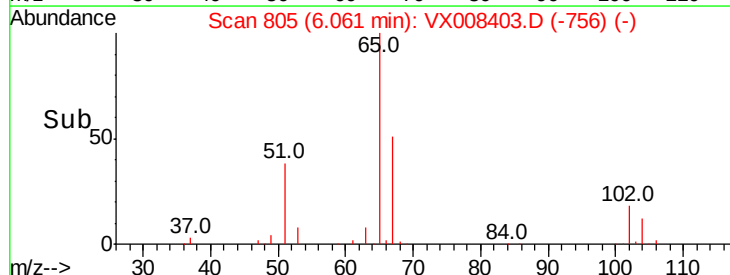
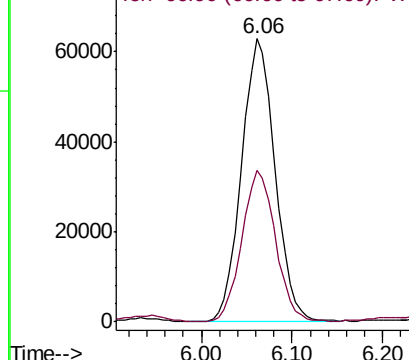
Ion Ratio Lower Upper

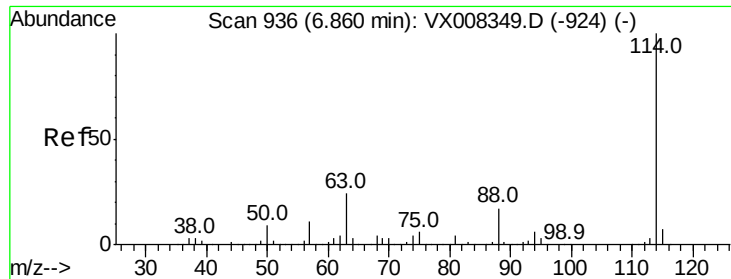
65 100

67 53.3 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

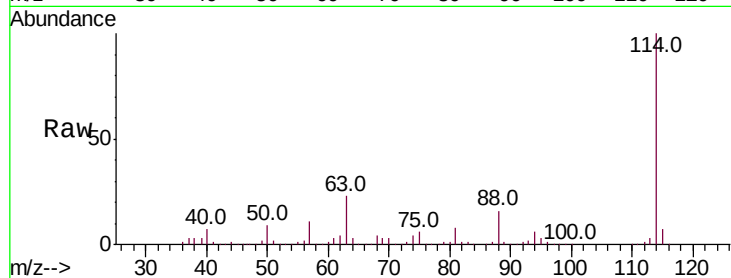




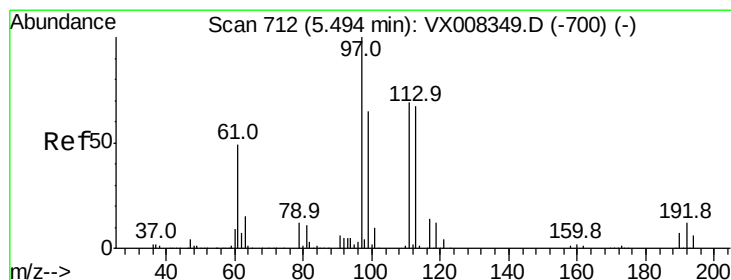
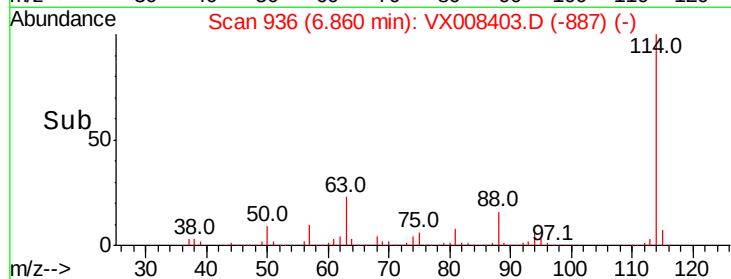
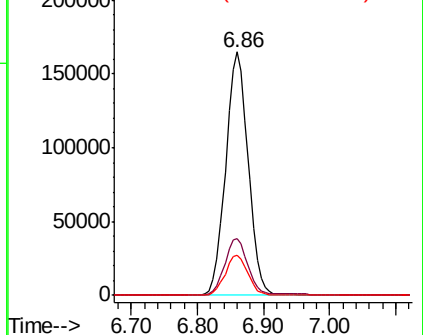
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tot Ion:114 Resp: 388273
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 39.8
 88 16.5 0.0 31.4

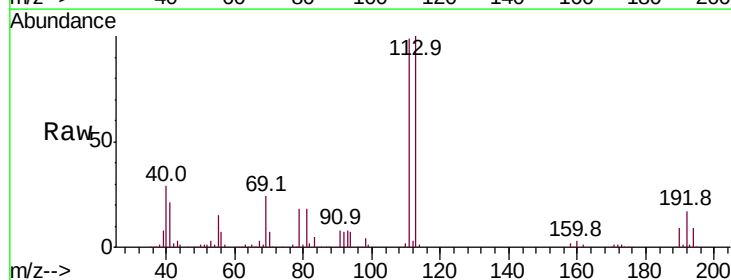


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

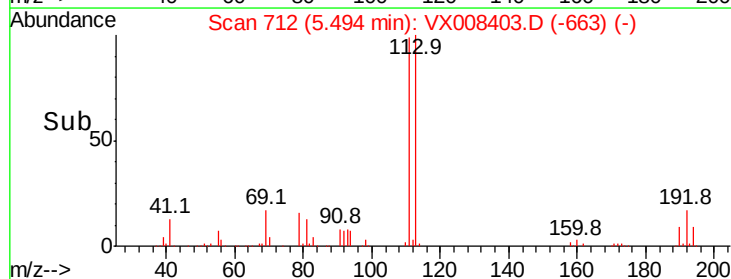
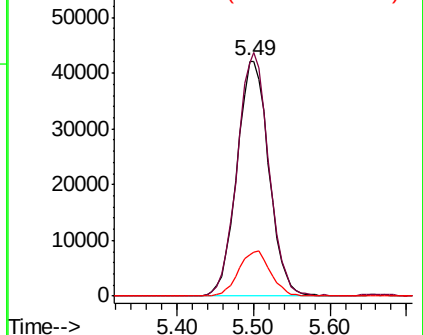


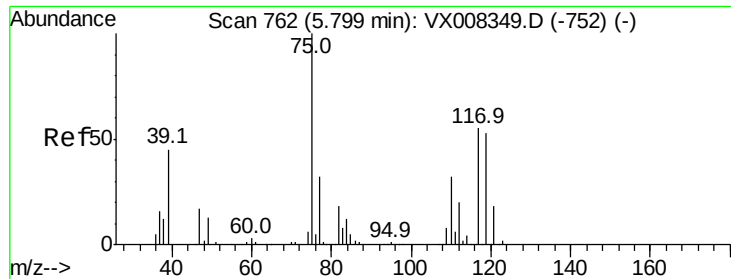
#35
 Dibromofluoromethane
 Concen: 48.685 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Tgt Ion:113 Resp: 122473
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 19.0 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

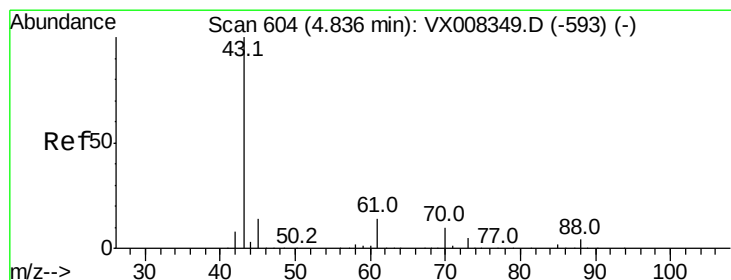
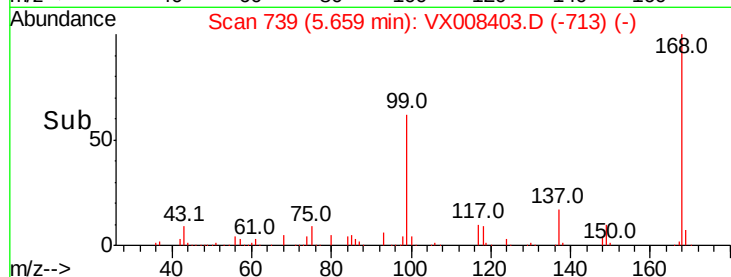
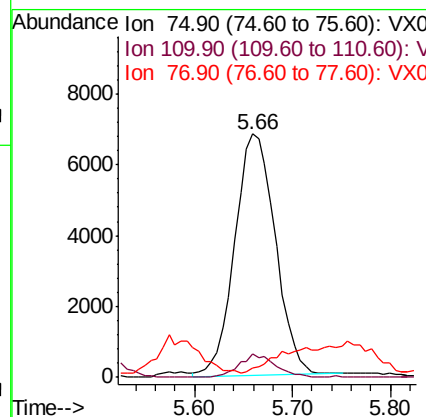
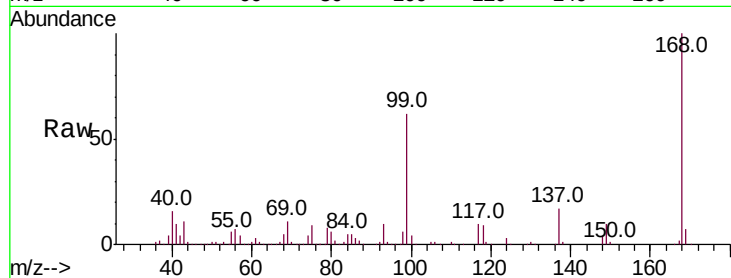




#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

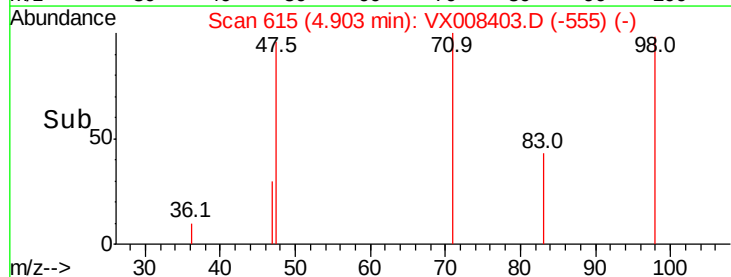
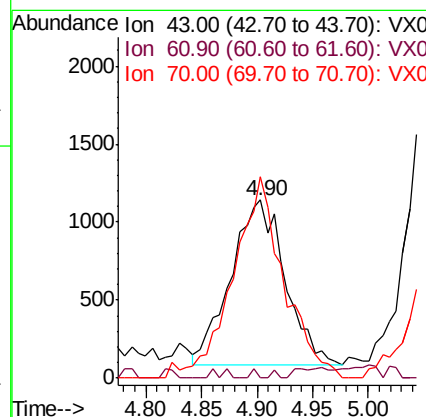
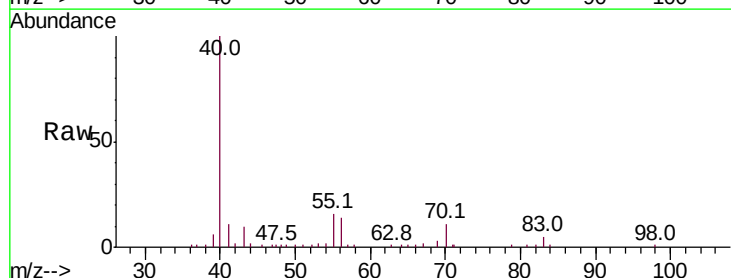
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

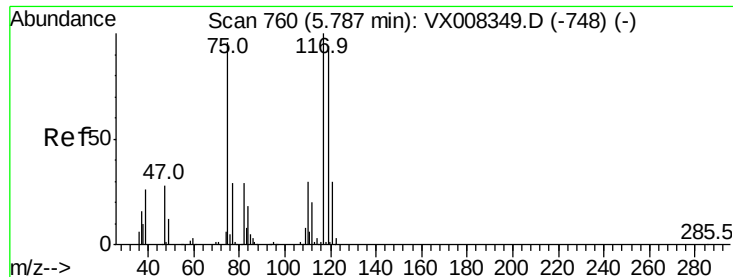
Tot Ion: 75 Resp: 19643
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.664 ug/l
 RT: 4.90 min Scan# 615
 Delta R.T. 0.07 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Tgt Ion: 43 Resp: 3568
 Ion Ratio Lower Upper
 43 100
 61 0.6 11.3 16.9#
 70 114.8 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

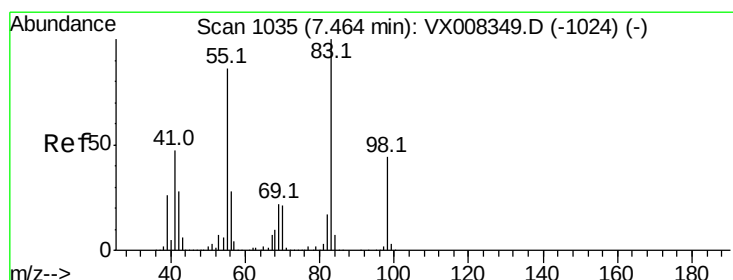
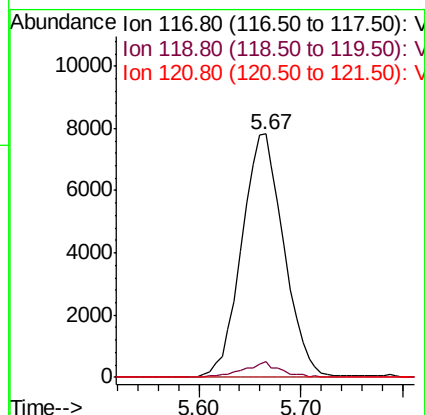
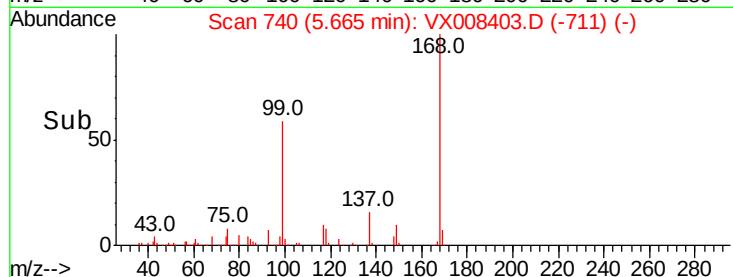
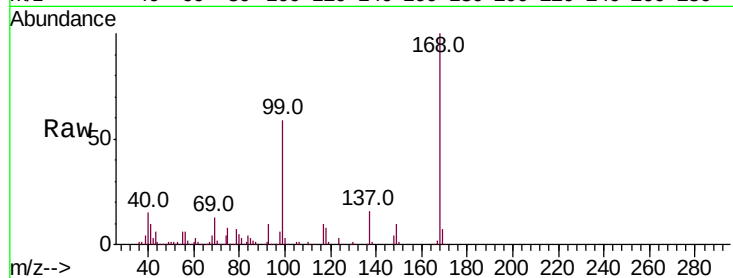
Tot Ion:117 Resp: 22441

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

121 0.0 24.6 36.8#



#39

Methylcyclohexane

Concen: 67.257 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

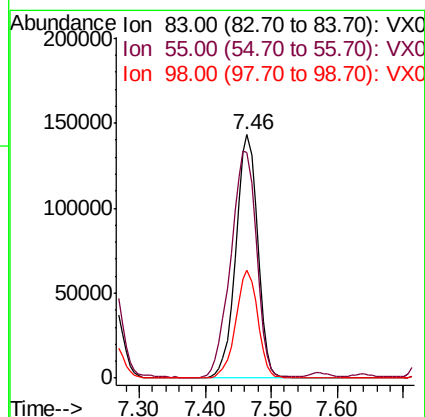
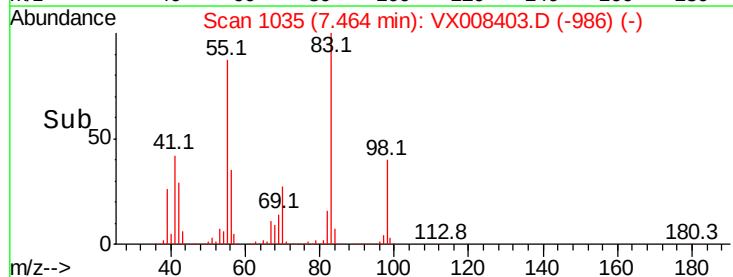
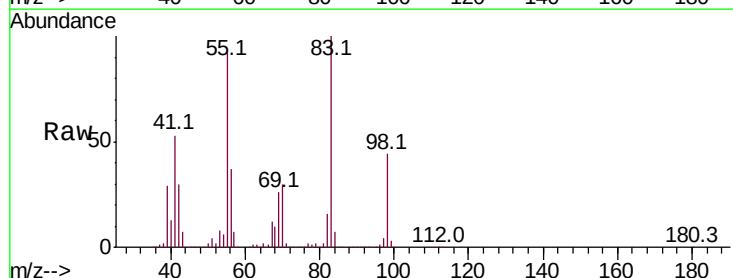
Tgt Ion: 83 Resp: 327084

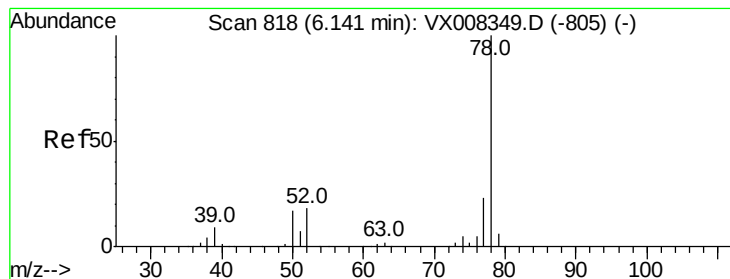
Ion Ratio Lower Upper

83 100

55 92.2 60.4 90.6#

98 44.3 36.5 54.7





#40

Benzene

Concen: 3.045 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

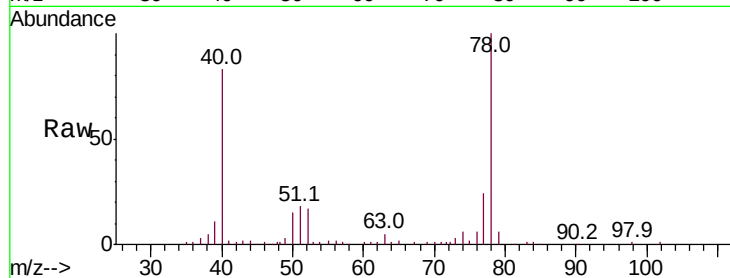
MW-2

Tot Ion: 78 Resp: 36788

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

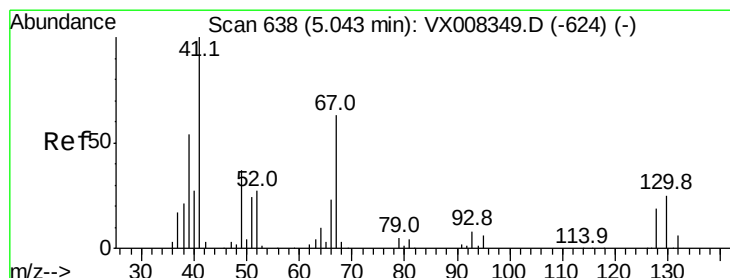
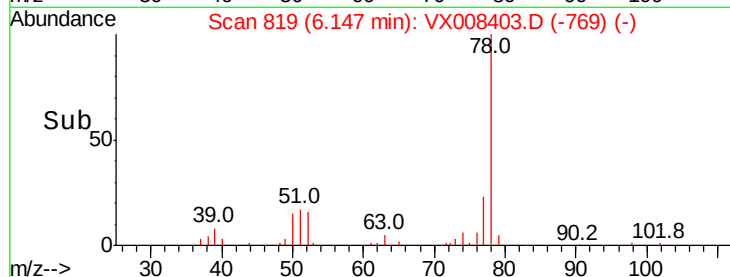
15000

10000

5000

0

Time--> 6.00 6.10 6.20



#41

Methacrylonitrile

Concen: 4.360 ug/l

RT: 5.07 min Scan# 643

Delta R.T. 0.03 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Tgt Ion: 41 Resp: 12761

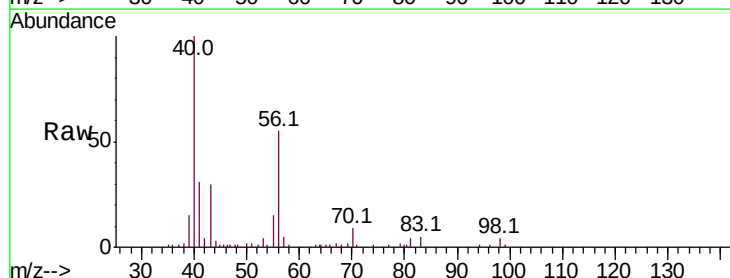
Ion Ratio Lower Upper

41 100

39 35.5 41.6 62.4#

67 0.0 55.8 83.6#

52 0.0 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

8000

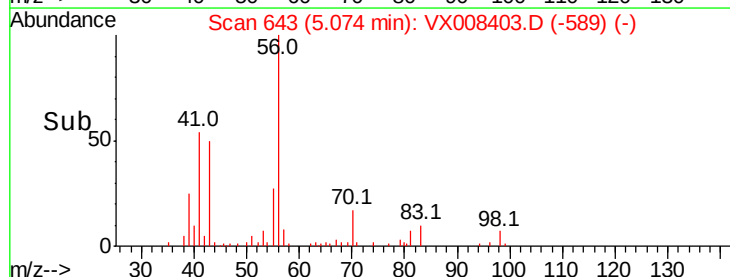
6000

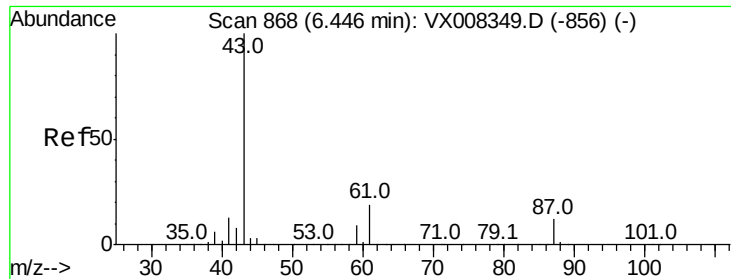
4000

2000

0

Time--> 4.90 5.00 5.10 5.20





#43

Isopropyl Acetate

Concen: 2.595 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

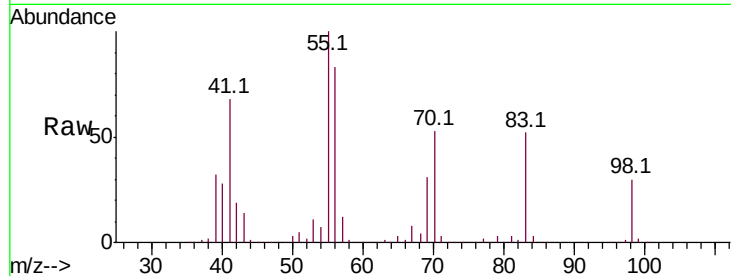
Tot Ion: 43 Resp: 21701

Ion Ratio Lower Upper

43 100

61 0.0 16.3 24.5#

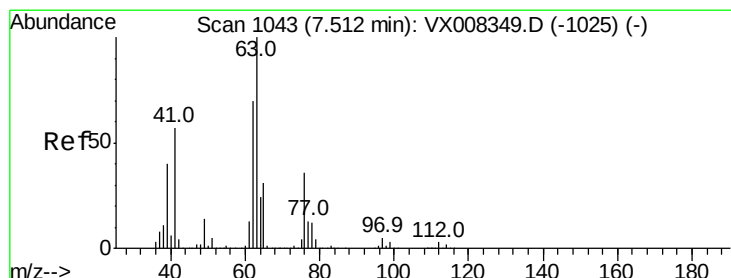
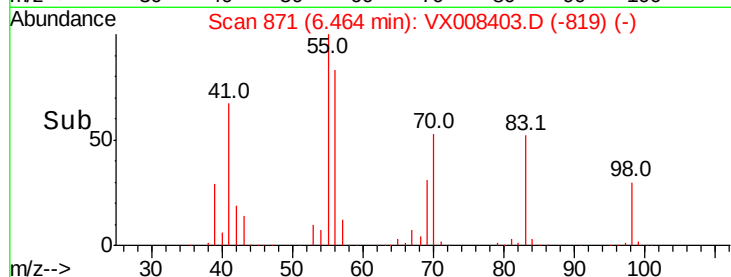
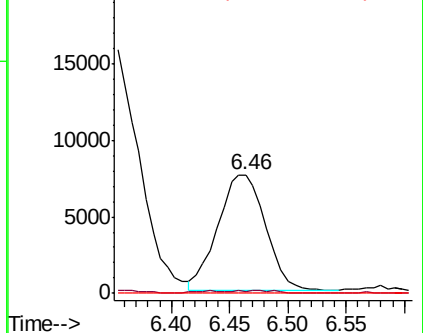
87 0.0 10.5 15.7#



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



#45

1,2-Dichloropropane

Concen: 1.277 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX008403.D

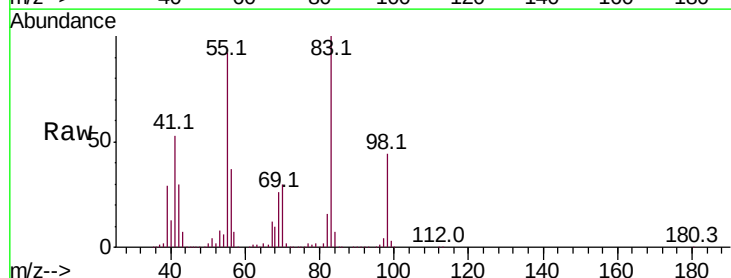
Acq: 24 Mar 2019 19:34

Tgt Ion: 63 Resp: 4369

Ion Ratio Lower Upper

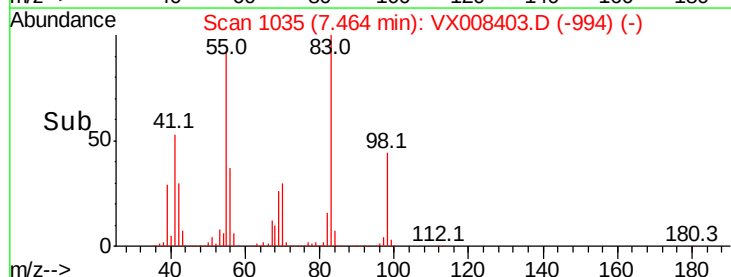
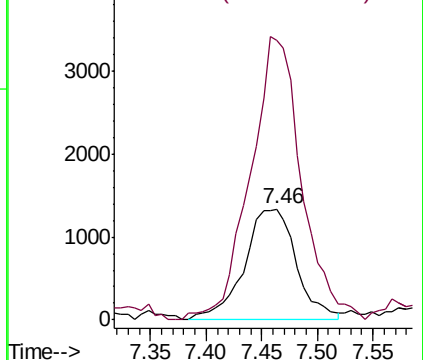
63 100

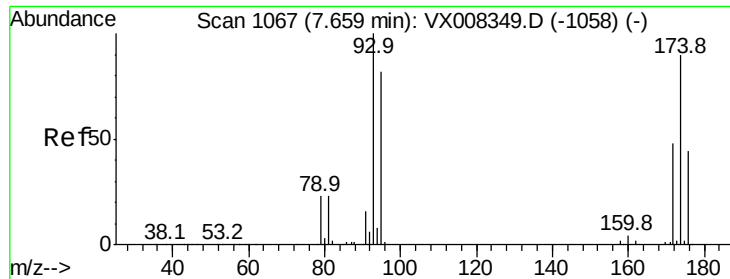
65 246.5 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.301 ug/l

RT: 7.64 min Scan# 1064

Delta R.T. -0.02 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

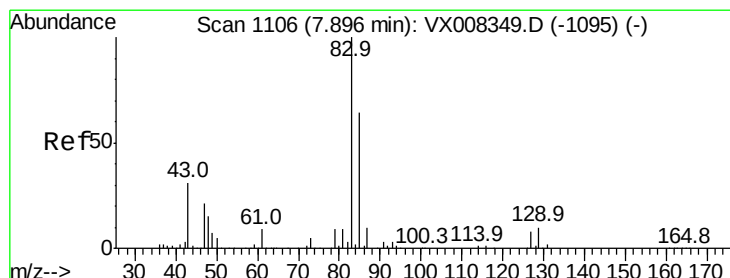
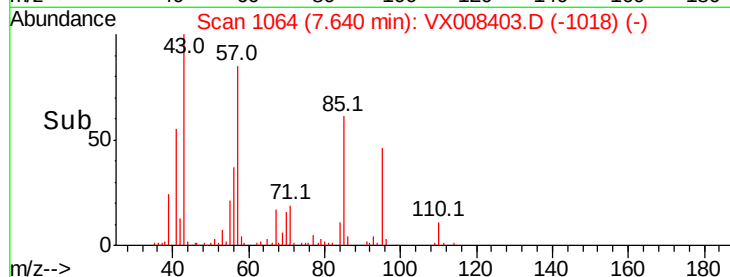
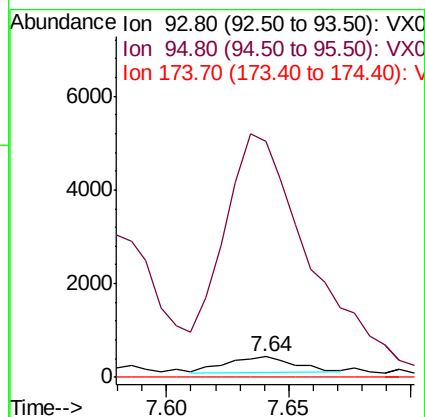
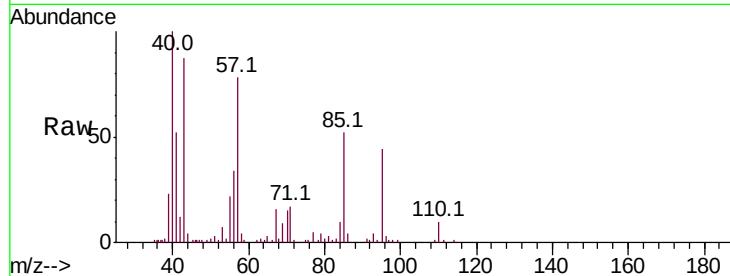
Tot Ion: 93 Resp: 611

Ion Ratio Lower Upper

93 100

95 2101.3 66.8 100.2#

174 0.0 97.3 145.9#



#47

Bromodichloromethane

Concen: 1.480 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

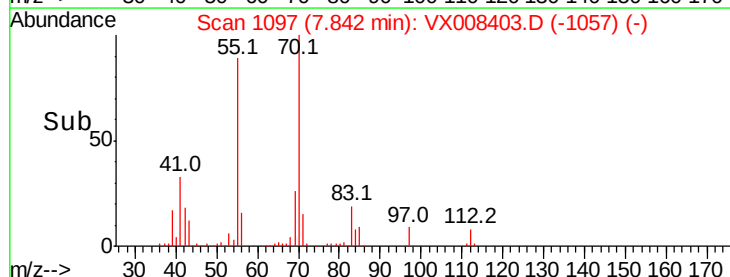
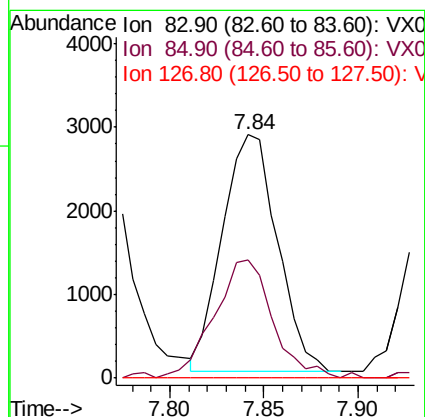
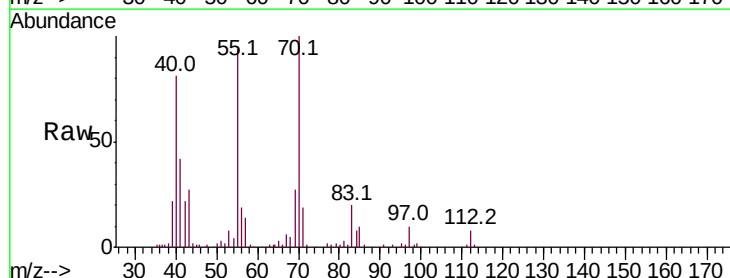
Tgt Ion: 83 Resp: 5729

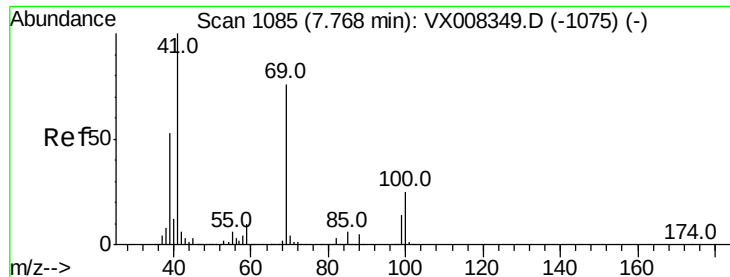
Ion Ratio Lower Upper

83 100

85 49.9 50.9 76.3#

127 0.0 7.4 11.0#





#48

Methyl methacrylate

Concen: 13.281 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

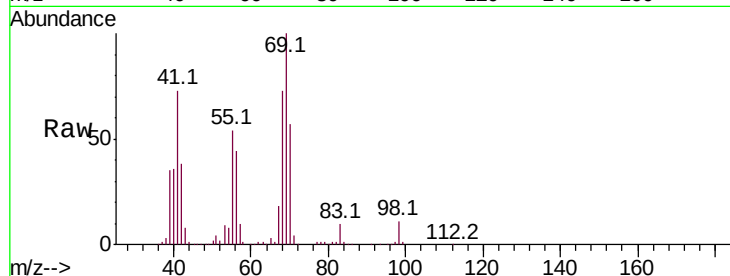
Tot Ion: 41 Resp: 56034

Ion Ratio Lower Upper

41 100

69 135.2 65.2 97.8#

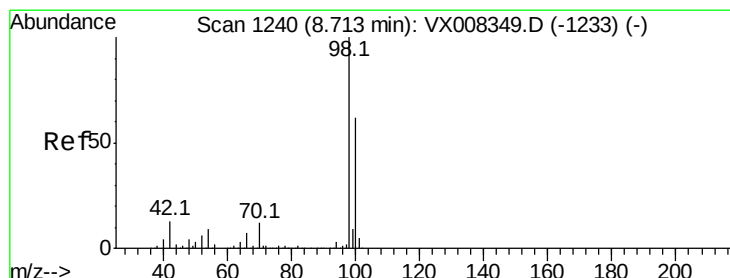
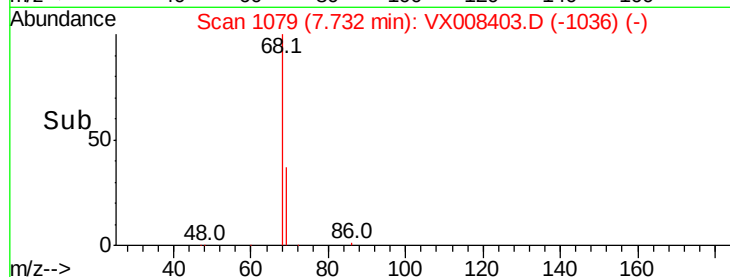
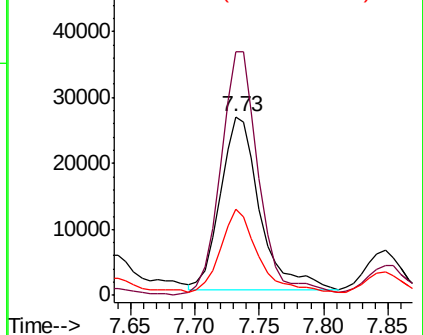
39 46.1 39.4 59.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 50.191 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008403.D

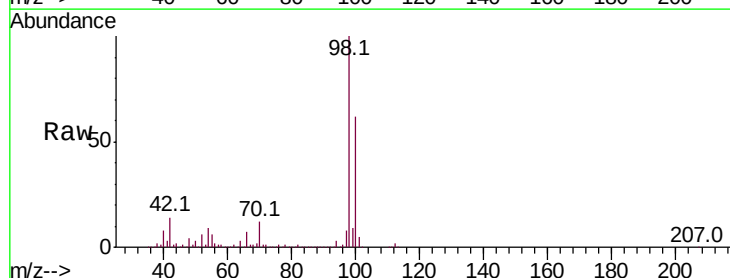
Acq: 24 Mar 2019 19:34

Tgt Ion: 98 Resp: 499392

Ion Ratio Lower Upper

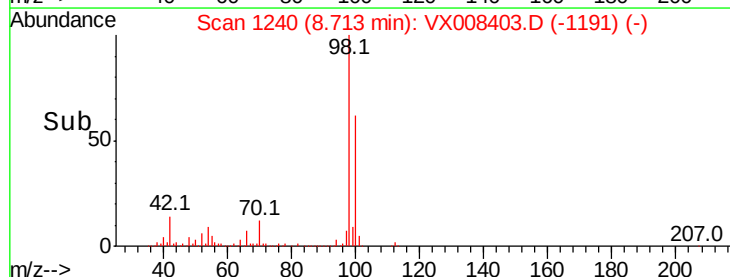
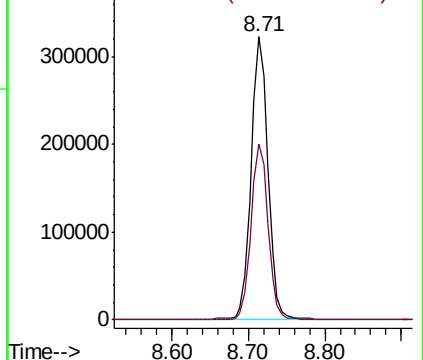
98 100

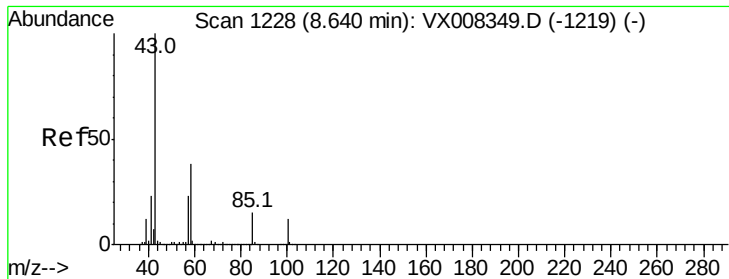
100 62.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.204 ug/l

RT: 8.84 min Scan# 1260

Delta R.T. 0.20 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

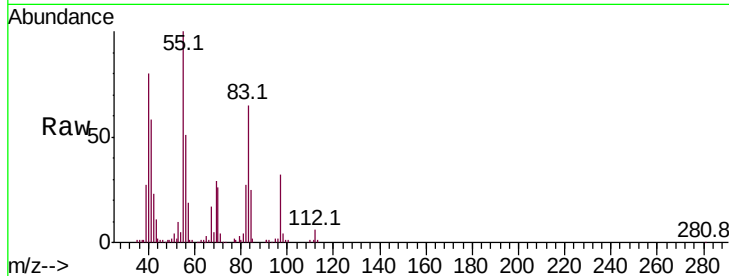
MW-2

Tot Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 39.0 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.84

1500

1000

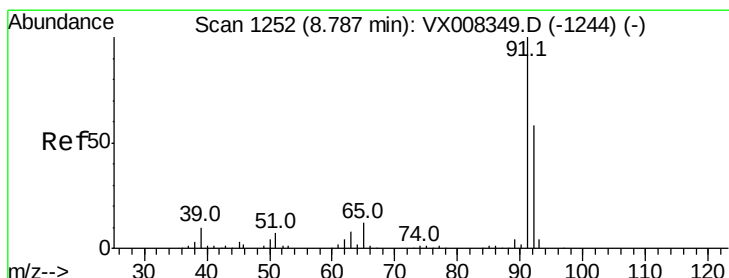
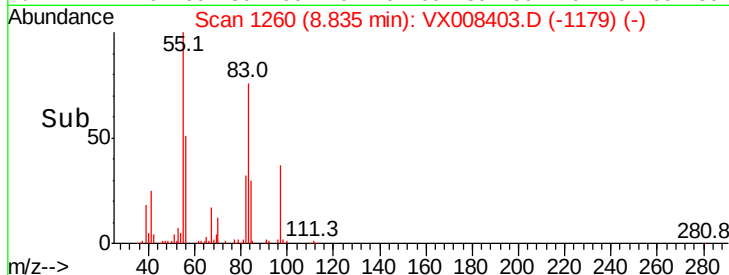
500

0

8.82

8.84

Time-->



#52

Toluene

Concen: 2.142 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008403.D

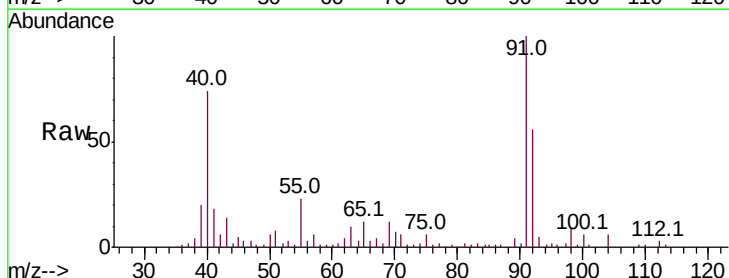
Acq: 24 Mar 2019 19:34

Tgt Ion: 92 Resp: 15177

Ion Ratio Lower Upper

92 100

91 168.7 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

15000

10000

5000

0

8.70

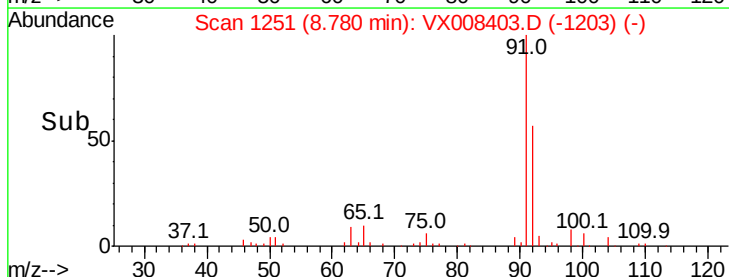
8.75

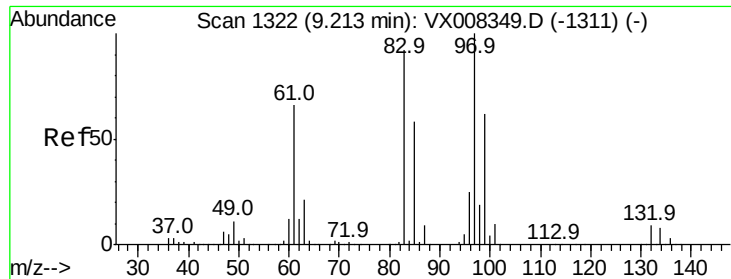
8.80

8.85

8.90

Time-->

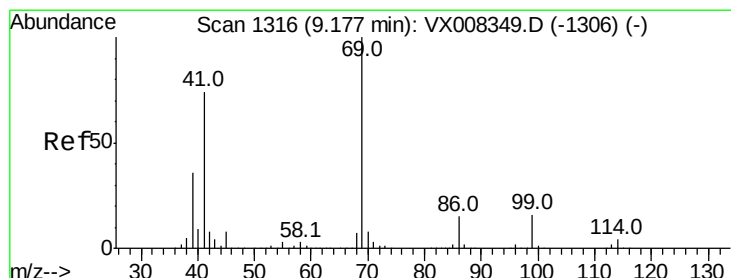
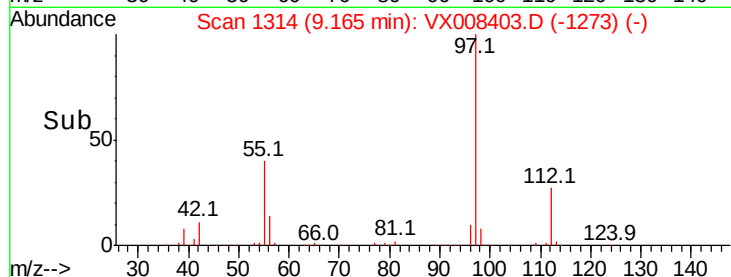
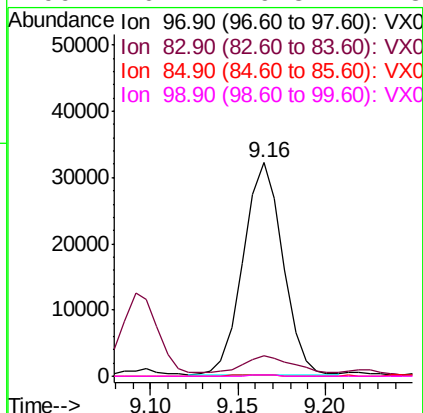
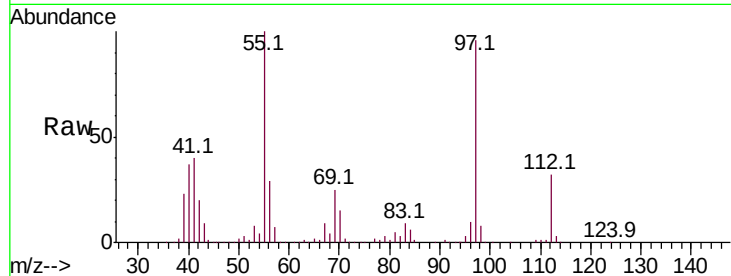




#55
 1,1,2-Trichloroethane
 Concen: 17.127 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

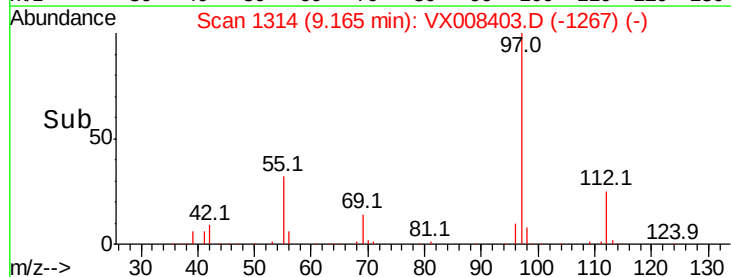
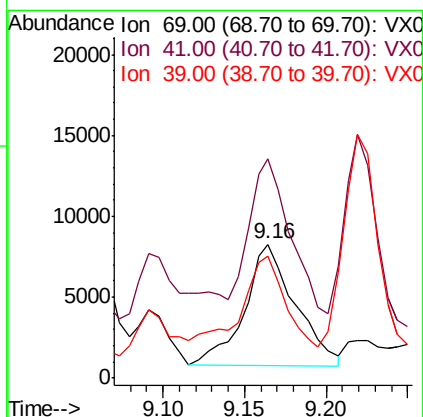
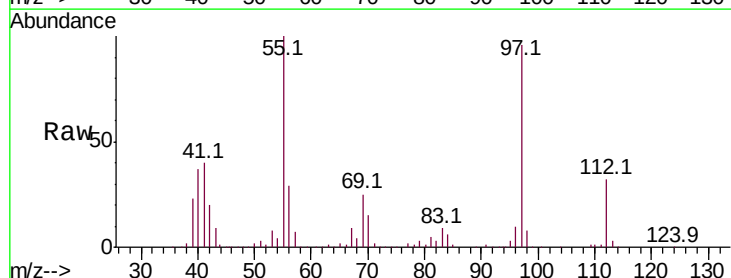
Instrument :
 MSVOA_X
 ClientSampleID :
 MW-2

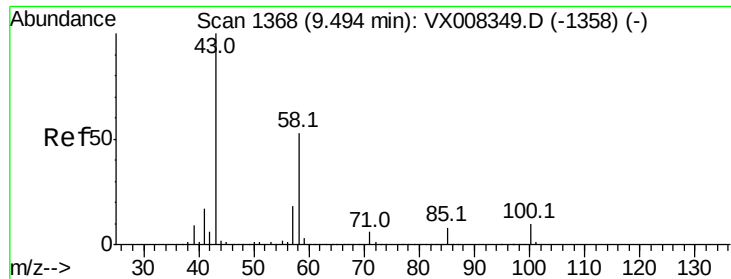
Tot Ion: 97 Resp: 50406
 Ion Ratio Lower Upper
 97 100
 83 7.6 69.1 103.7#
 85 0.6 44.3 66.5#
 99 0.4 49.8 74.8#



#56
 Ethyl methacrylate
 Concen: 3.103 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Tgt Ion: 69 Resp: 16167
 Ion Ratio Lower Upper
 69 100
 41 154.5 54.2 81.4#
 39 55.9 25.0 37.4#

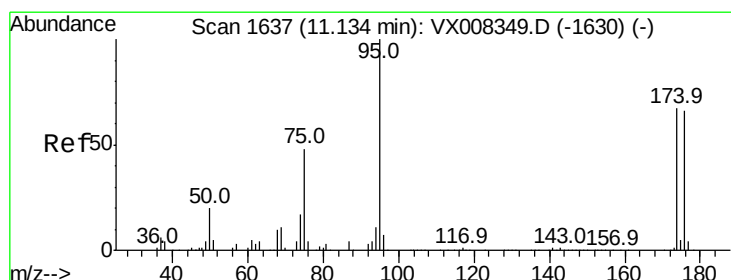
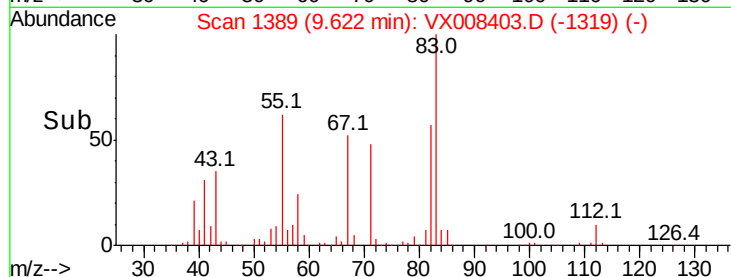
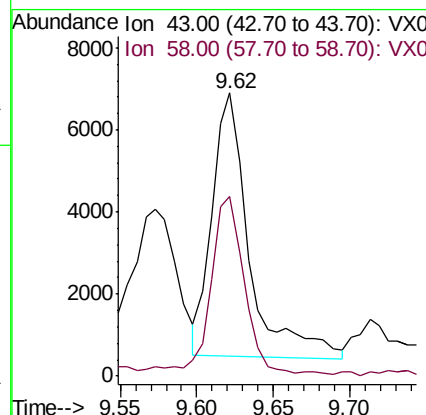
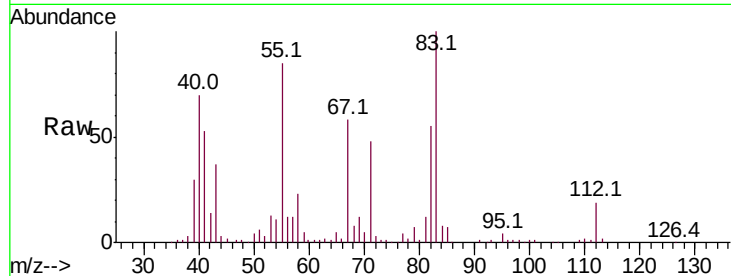




#59
2-Hexanone
Concen: 2.562 ug/l
RT: 9.62 min Scan# 1389
Delta R.T. 0.13 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

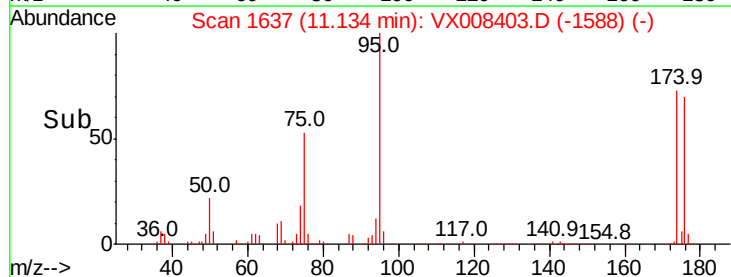
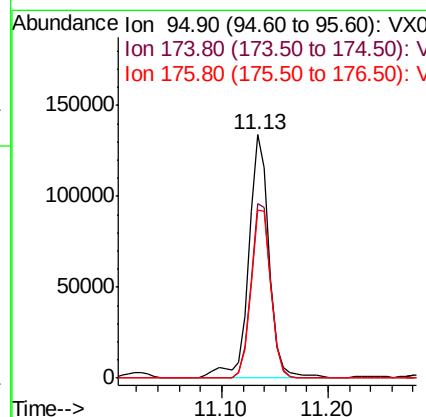
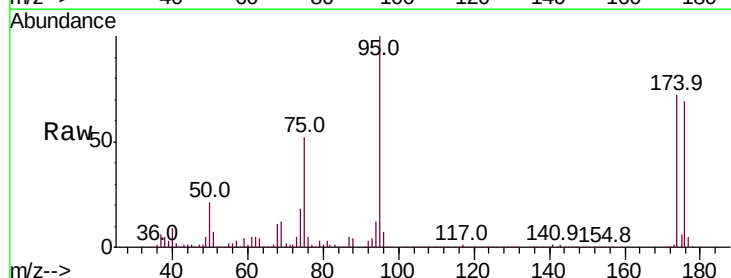
Instrument :
MSVOA_X
ClientSampled :
MW-2

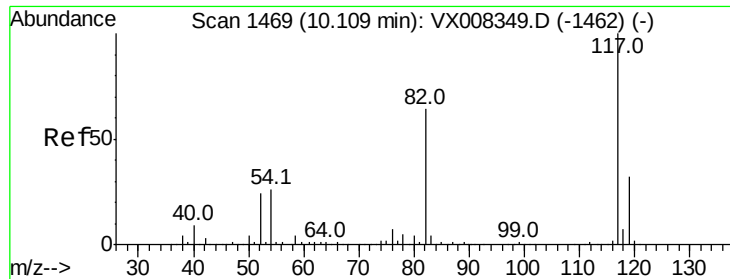
Tot Ion: 43 Resp: 10790
Ion Ratio Lower Upper
43 100
58 61.3 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 48.575 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 95 Resp: 177457
Ion Ratio Lower Upper
95 100
174 70.4 0.0 182.8
176 68.0 0.0 178.0

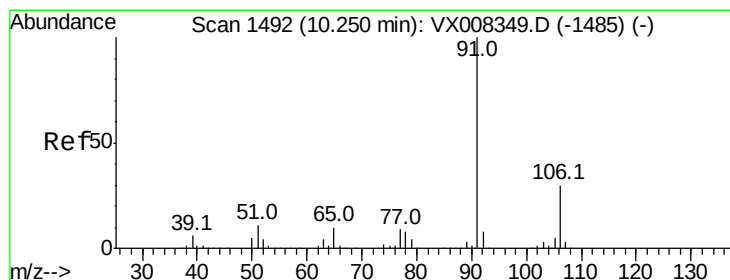
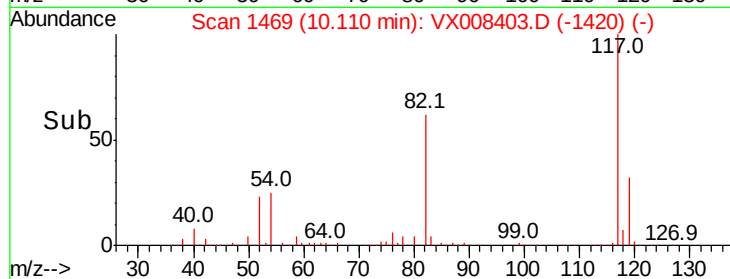
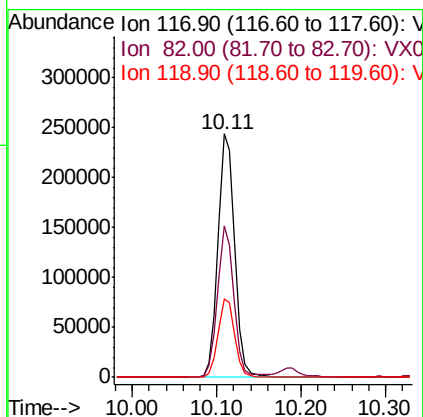
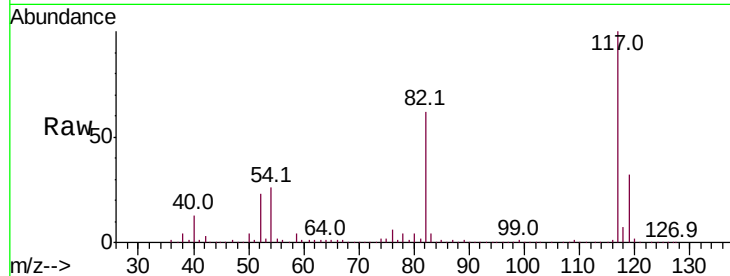




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

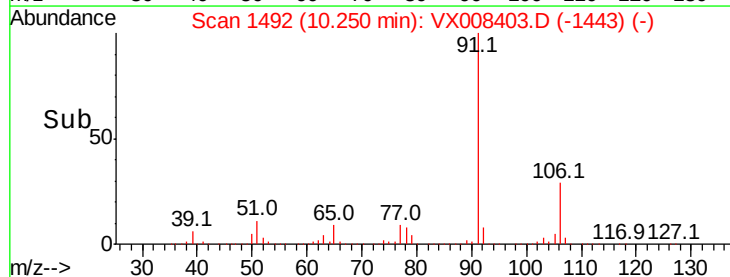
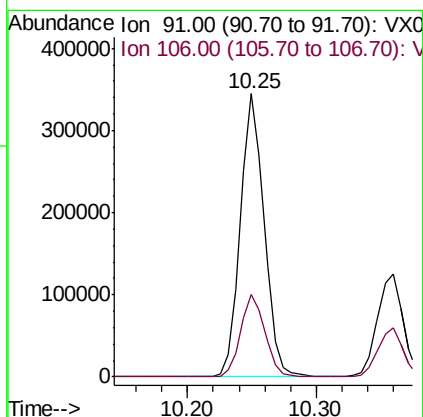
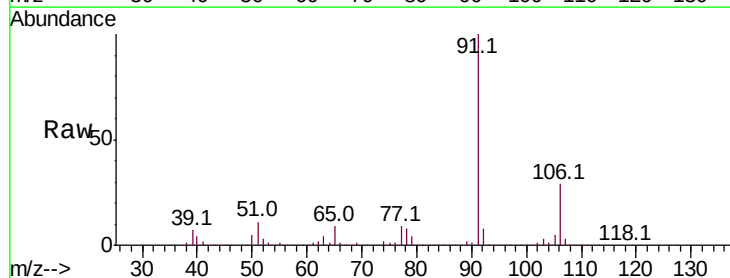
Instrument :
MSVOA_X
ClientSampleId :
MW-2

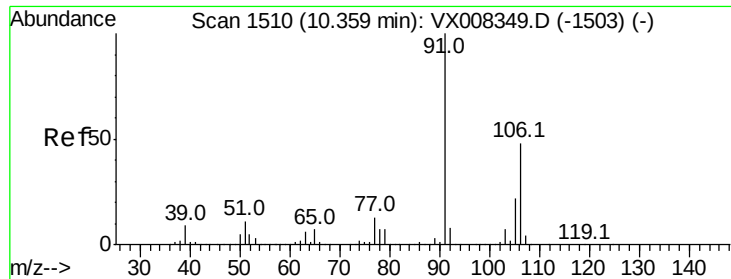
Tot Ion:117 Resp: 336850
Ion Ratio Lower Upper
117 100
82 62.3 44.3 66.5
119 32.3 25.3 37.9



#67
Ethyl Benzene
Concen: 33.252 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 91 Resp: 439856
Ion Ratio Lower Upper
91 100
106 29.3 25.2 37.8

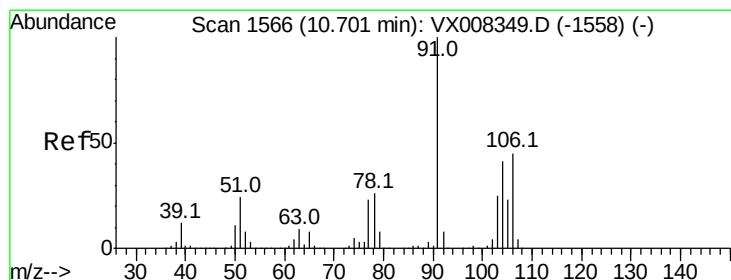
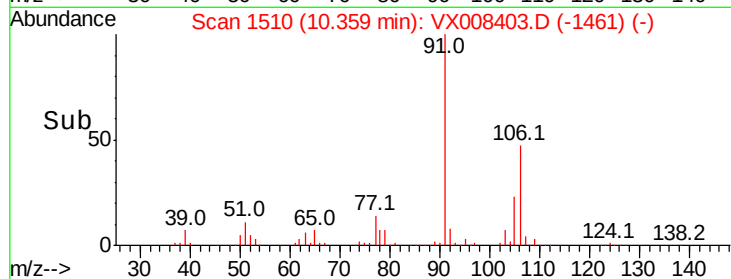
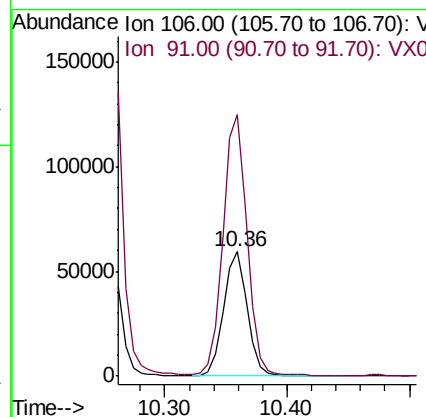
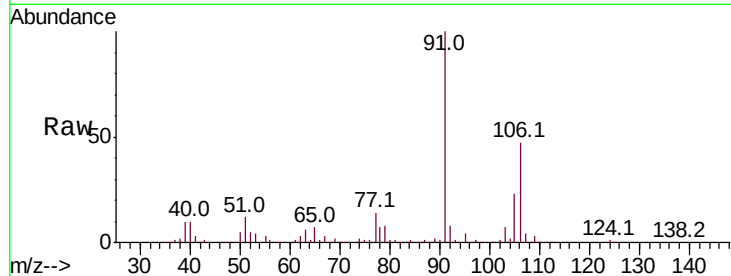




#68
m/p-Xylenes
Concen: 16.917 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

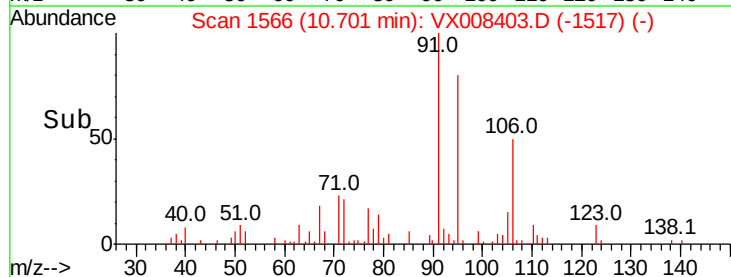
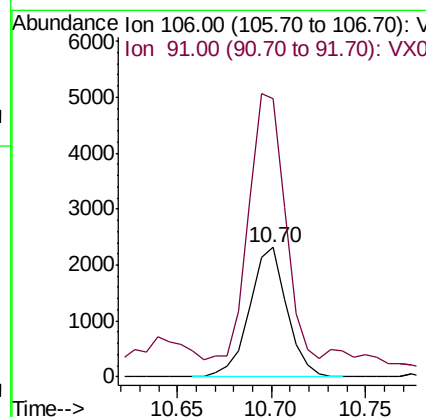
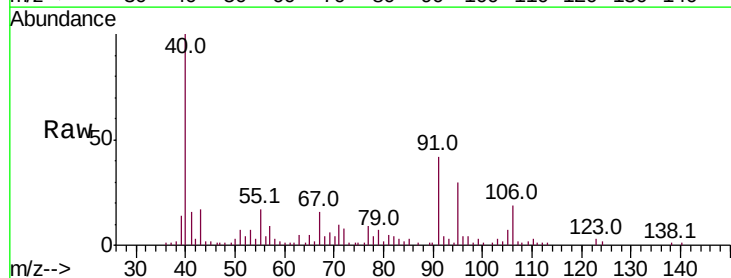
Instrument :
MSVOA_X
ClientSampleId :
MW-2

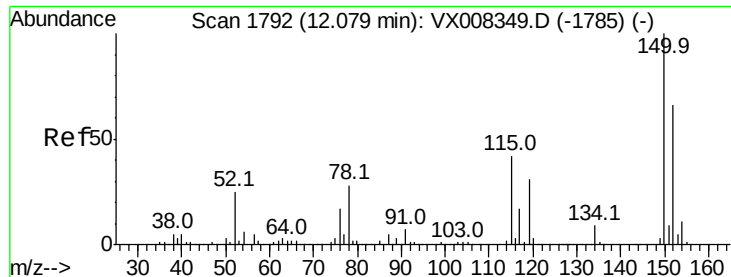
Tot Ion:106 Resp: 80403
Ion Ratio Lower Upper
106 100
91 213.0 159.8 239.6



#69
o-Xylene
Concen: 0.684 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion:106 Resp: 3181
Ion Ratio Lower Upper
106 100
91 197.4 106.3 318.9

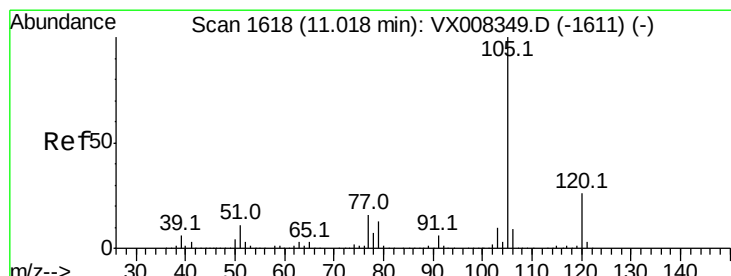
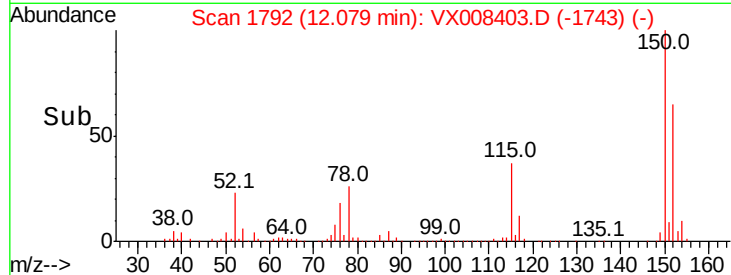
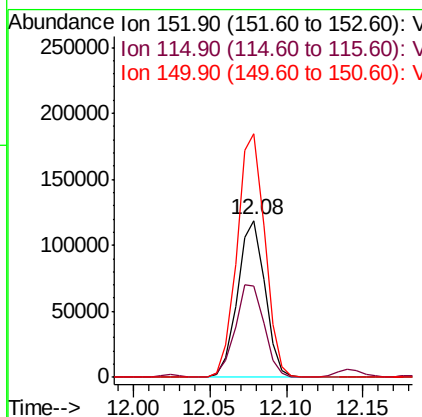
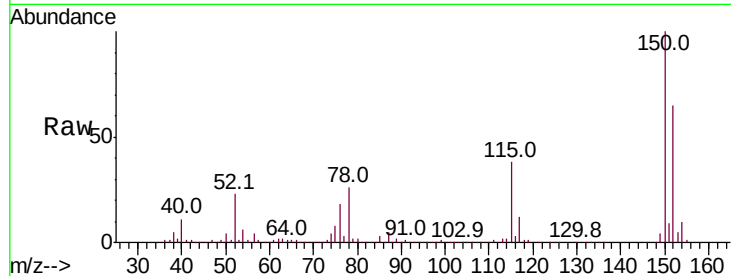




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

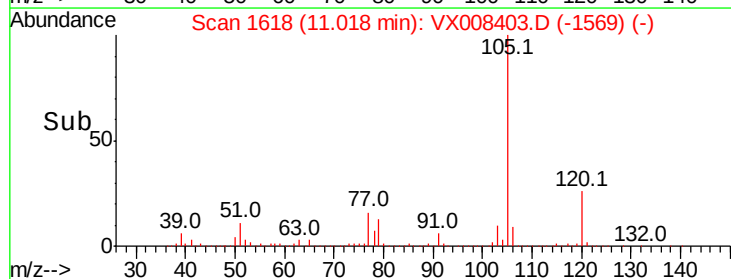
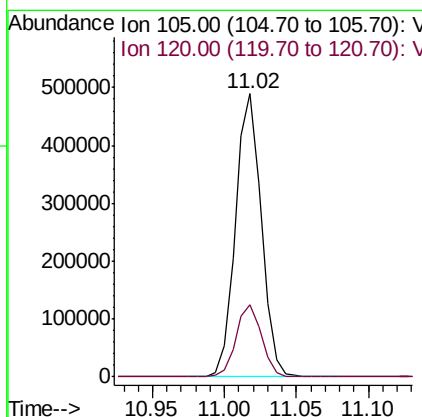
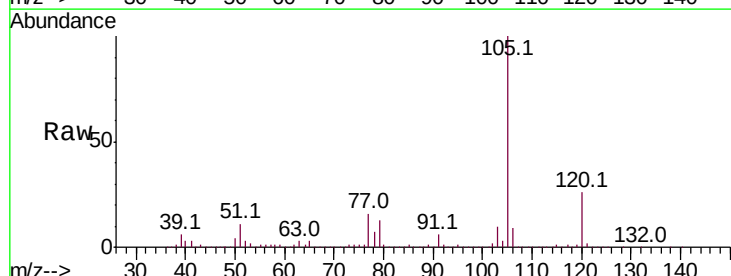
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

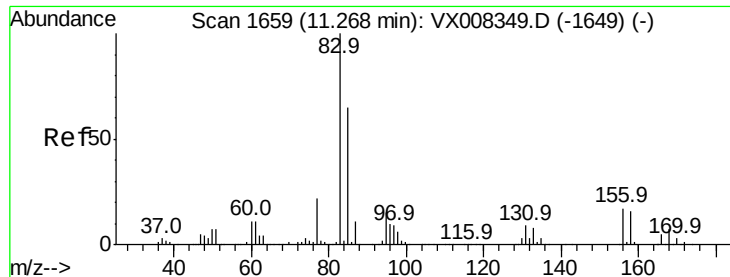
Tot Ion:152 Resp: 147141
 Ion Ratio Lower Upper
 152 100
 115 61.7 38.6 115.7
 150 158.0 0.0 348.4



#73
 Isopropylbenzene
 Concen: 52.777 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VX008403.D
 Acq: 24 Mar 2019 19:34

Tgt Ion:105 Resp: 612852
 Ion Ratio Lower Upper
 105 100
 120 25.4 13.4 40.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.290 ug/l

RT: 11.32 min Scan# 1668

Delta R.T. 0.05 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-2

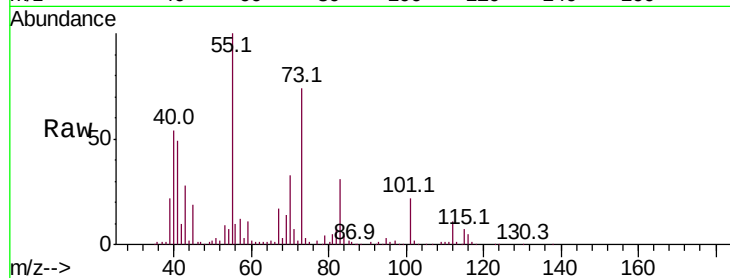
Tot Ion: 83 Resp: 10593

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

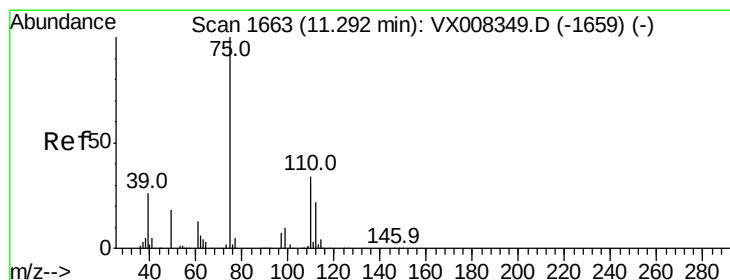
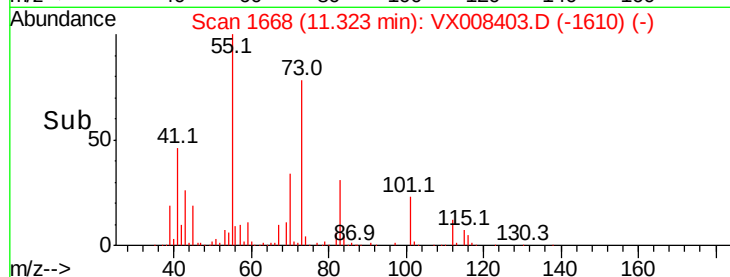
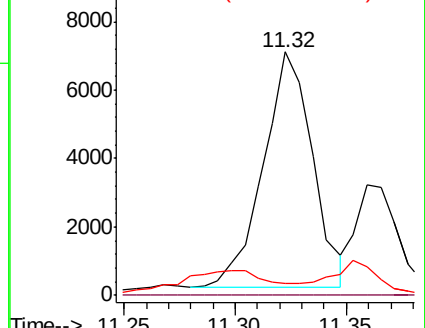
85 16.7 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.893 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX008403.D

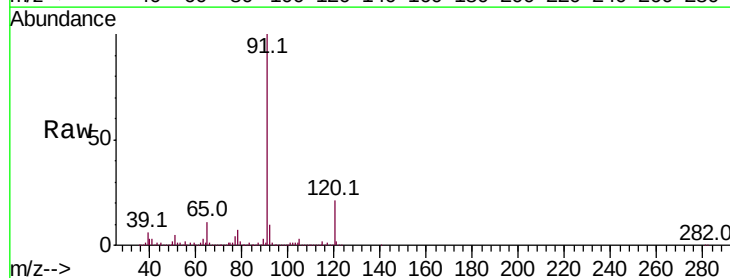
Acq: 24 Mar 2019 19:34

Tgt Ion: 75 Resp: 3439

Ion Ratio Lower Upper

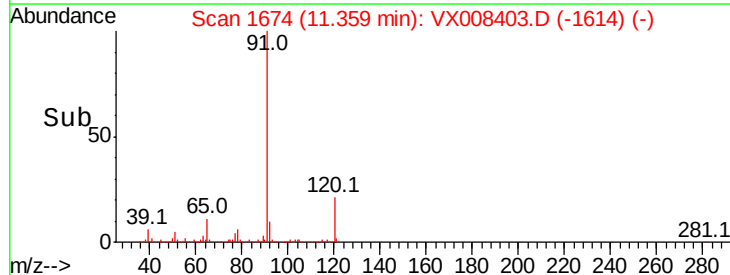
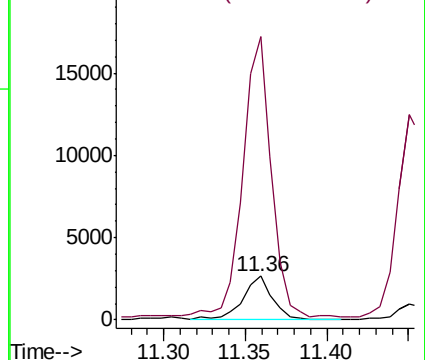
75 100

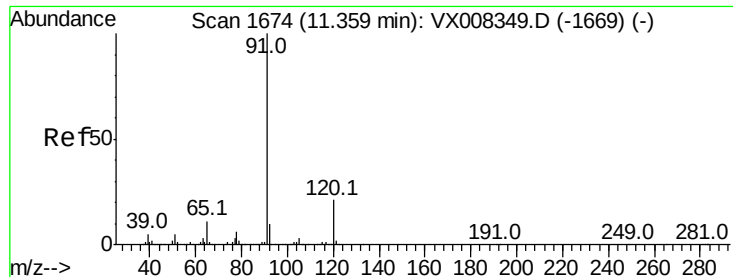
77 596.8 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 36.686 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

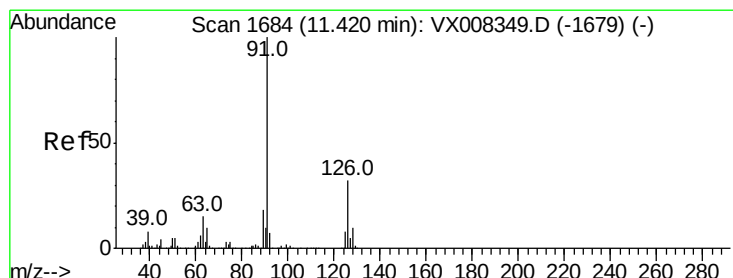
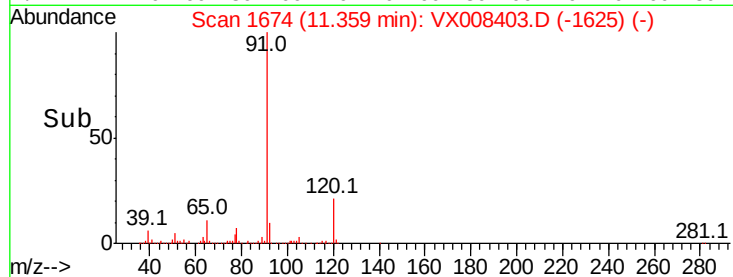
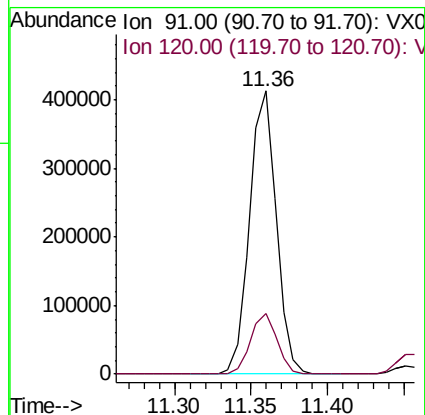
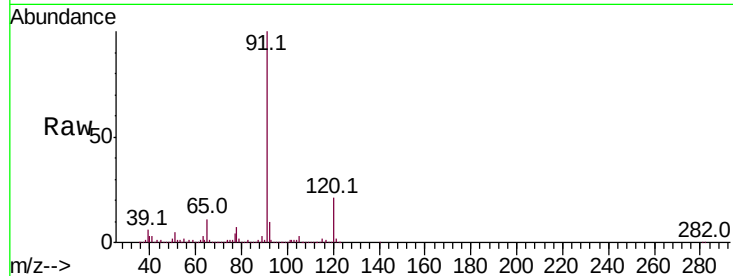
MW-2

Tot Ion: 91 Resp: 499300

Ion Ratio Lower Upper

91 100

120 21.2 12.0 36.0



#79

2-Chlorotoluene

Concen: 60.227 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX008403.D

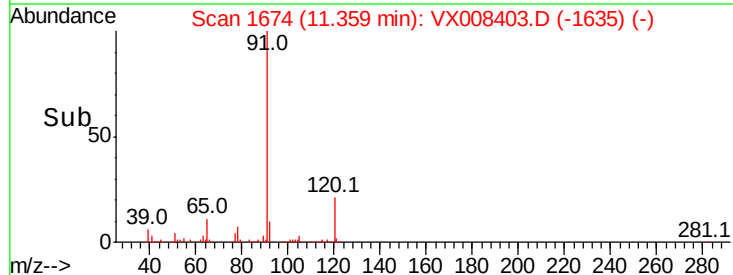
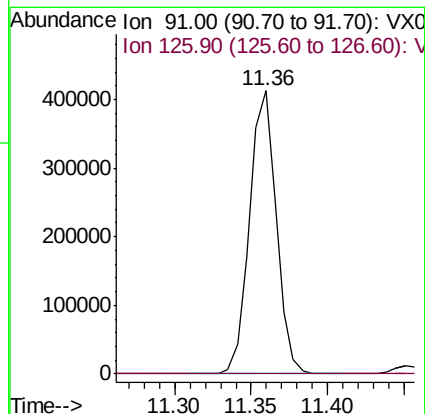
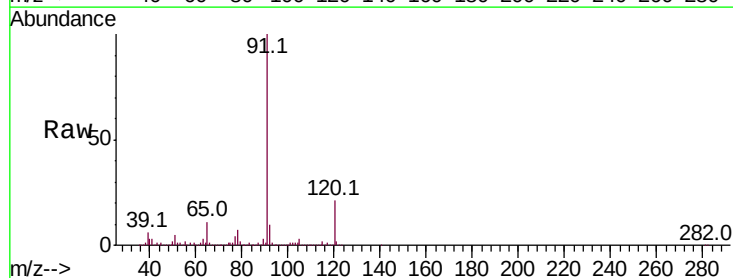
Acq: 24 Mar 2019 19:34

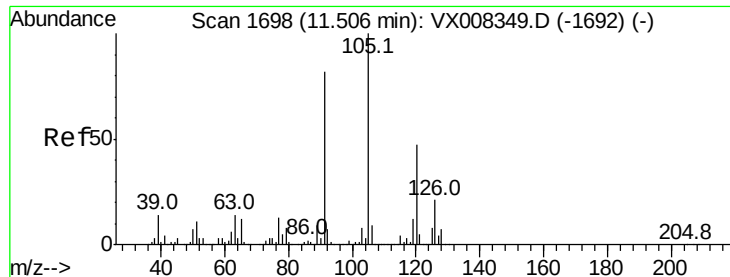
Tgt Ion: 91 Resp: 499300

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#





#80

1,3,5-Trimethylbenzene

Concen: 3.221 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

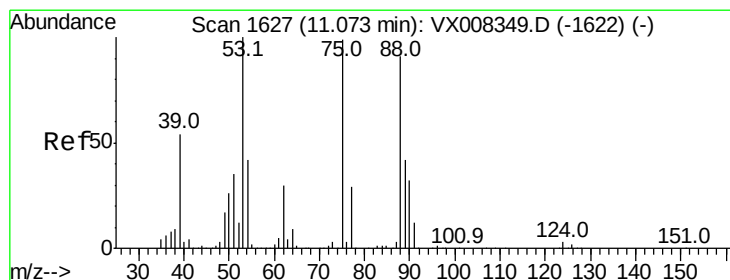
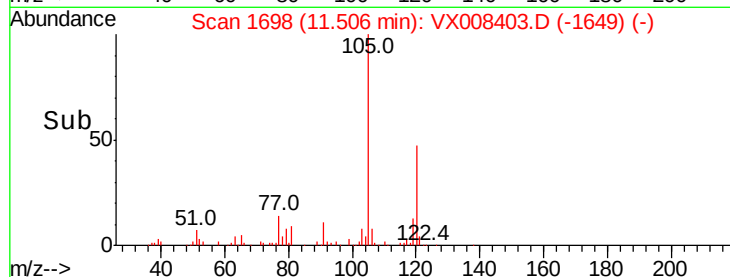
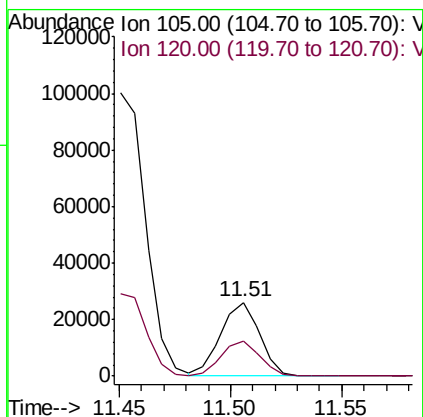
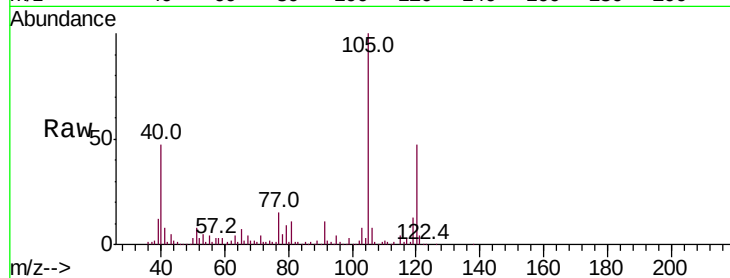
MW-2

Tot Ion:105 Resp: 31818

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 5.684 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

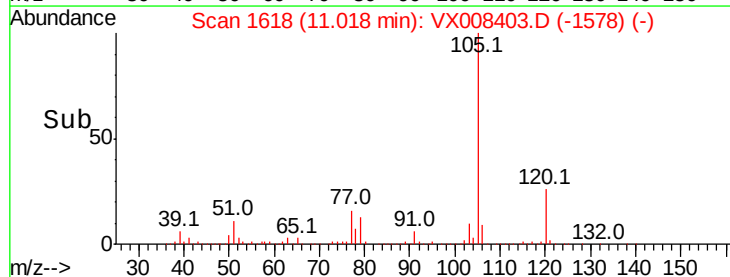
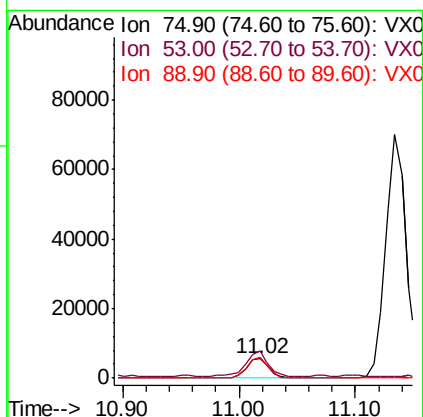
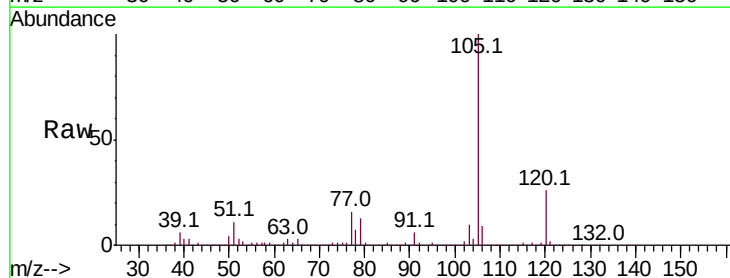
Tgt Ion: 75 Resp: 7682

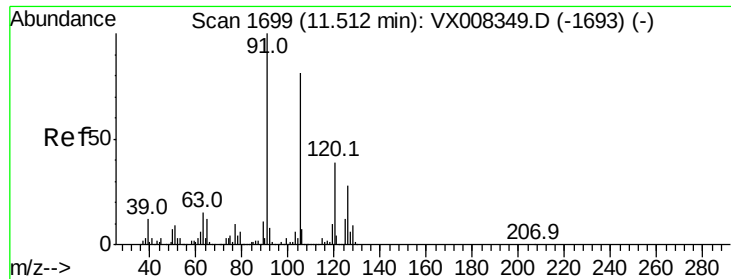
Ion Ratio Lower Upper

75 100

53 128.4 76.1 114.1#

89 99.6 36.3 54.5#





#82

4-Chlorotoluene

Concen: 52.268 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

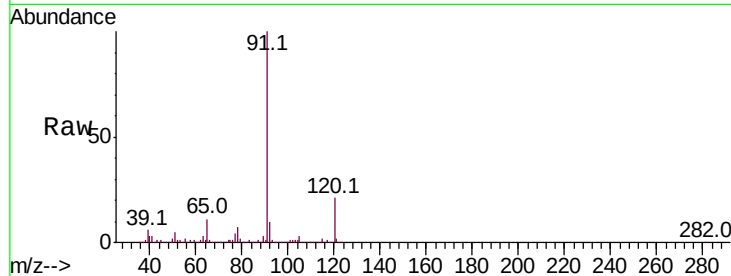
MW-2

Tot Ion: 91 Resp: 499300

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) (-)

Ion 125.90 (125.60 to 126.60): VX008349.D (-1693) (-)

11.36

400000

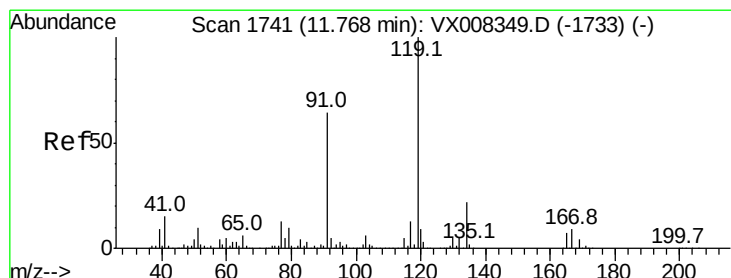
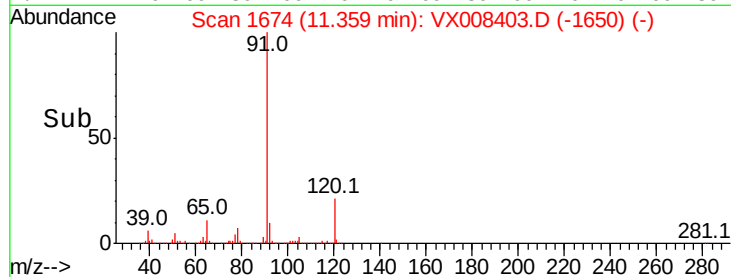
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 1.412 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

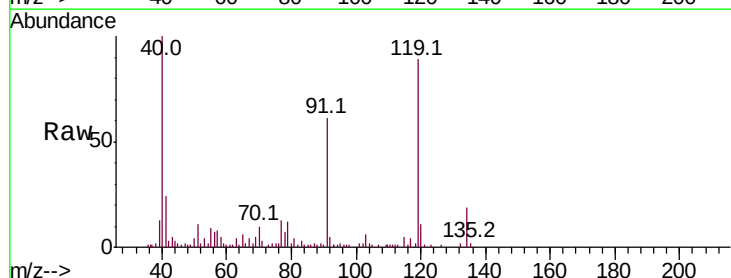
Tgt Ion: 119 Resp: 13281

Ion Ratio Lower Upper

119 100

91 70.2 27.1 81.3

134 23.4 11.4 34.1



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

Ion 91.00 (90.70 to 91.70): VX008349.D (-1733) (-)

Ion 134.00 (133.70 to 134.70): VX008349.D (-1733) (-)

11.77

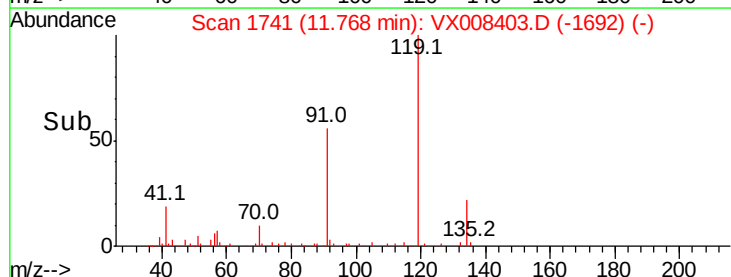
15000

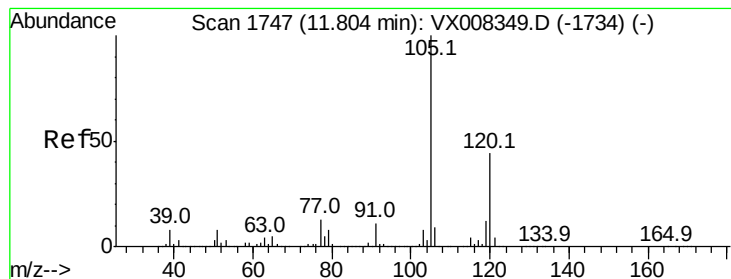
10000

5000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 32.483 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. -0.14 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

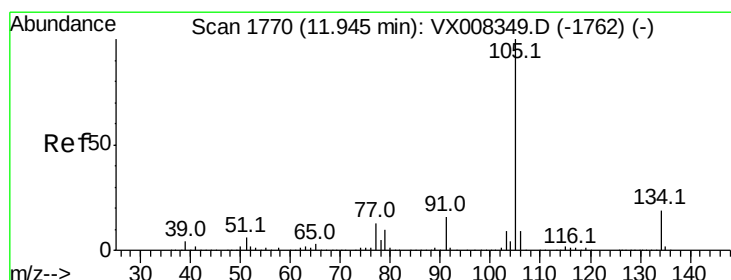
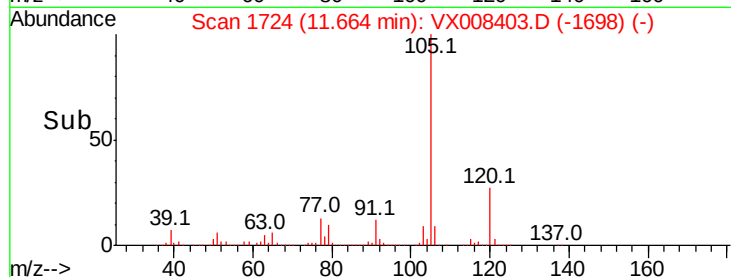
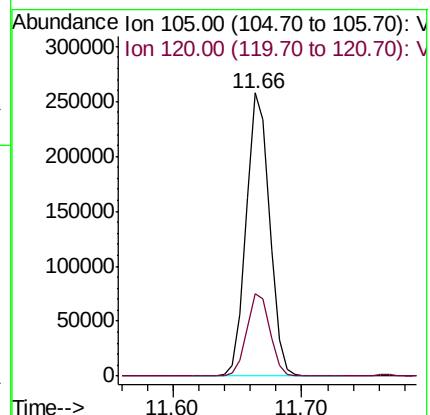
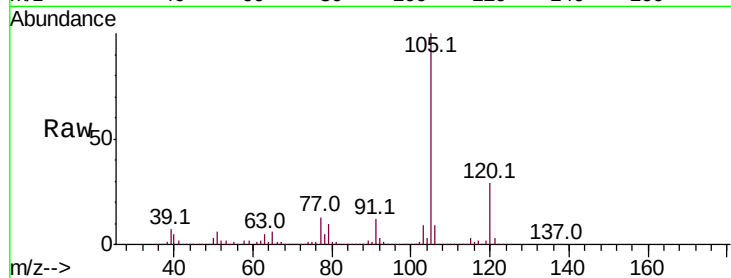
MW-2

Tot Ion:105 Resp: 320212

Ion Ratio Lower Upper

105 100

120 29.2 22.6 67.7



#85

sec-Butylbenzene

Concen: 4.153 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008403.D

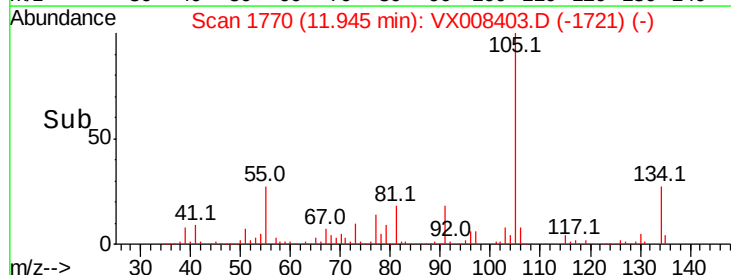
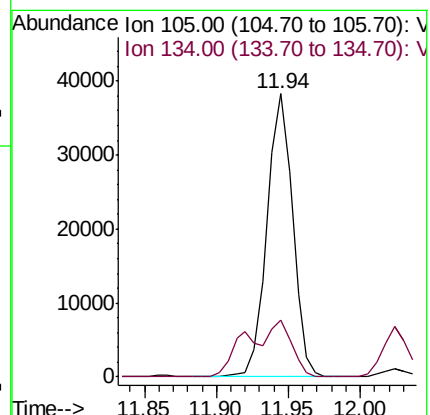
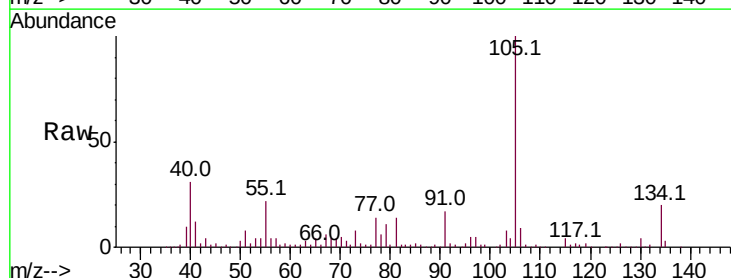
Acq: 24 Mar 2019 19:34

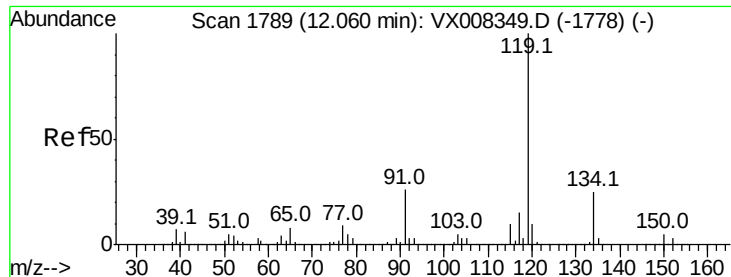
Tgt Ion:105 Resp: 46823

Ion Ratio Lower Upper

105 100

134 17.3 10.4 31.2

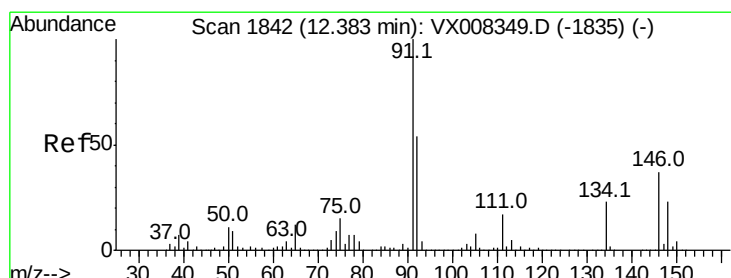
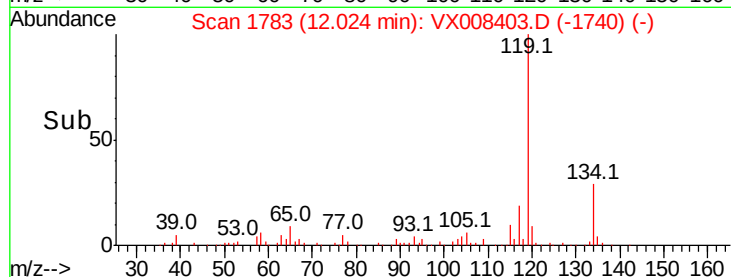
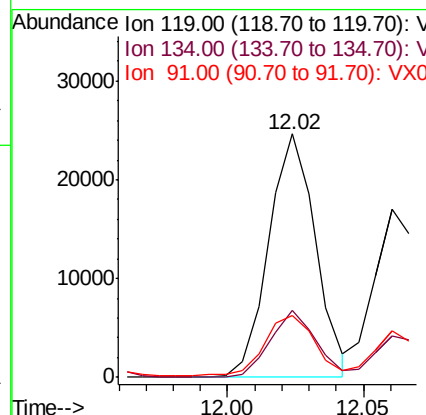
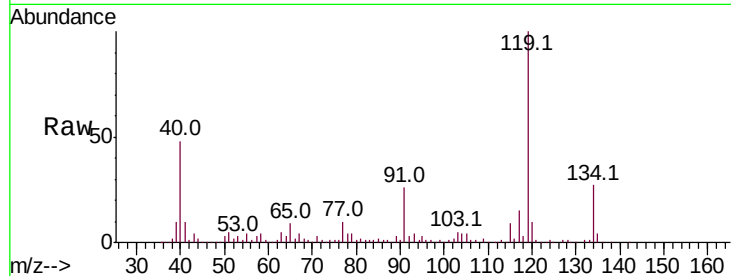




#86
p-Isopropyltoluene
Concen: 2.952 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

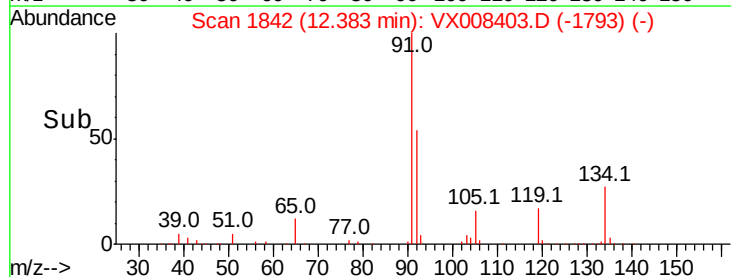
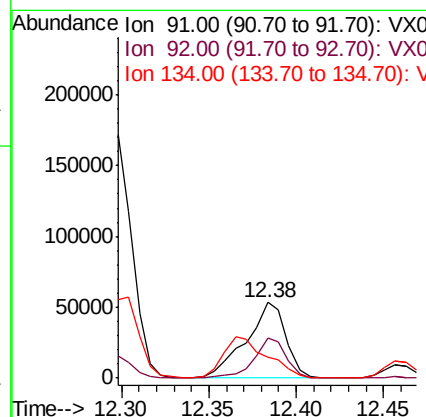
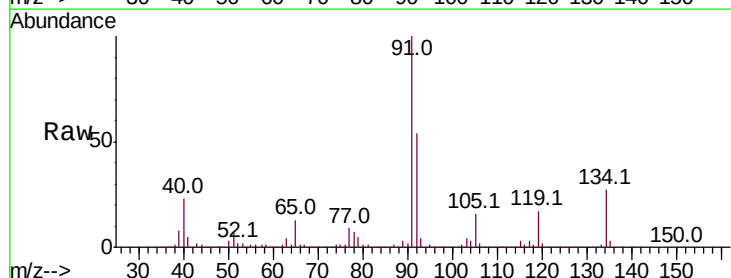
Instrument :
MSVOA_X
ClientSampleId :
MW-2

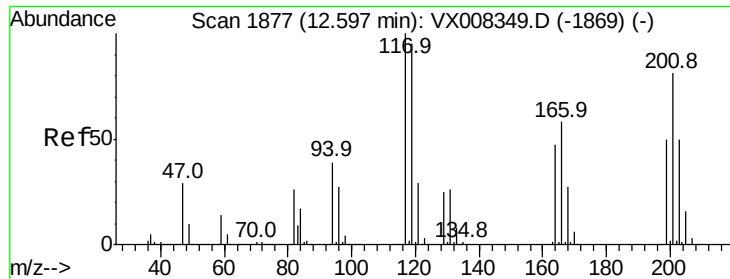
Tot Ion:119 Resp: 29337
Ion Ratio Lower Upper
119 100
134 27.0 13.3 39.9
91 25.9 10.9 32.7



#89
n-Butylbenzene
Concen: 8.910 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008403.D
Acq: 24 Mar 2019 19:34

Tgt Ion: 91 Resp: 84529
Ion Ratio Lower Upper
91 100
92 42.3 27.0 80.8
134 59.4 13.7 41.0#





#90

Hexachloroethane

Concen: 32.811 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

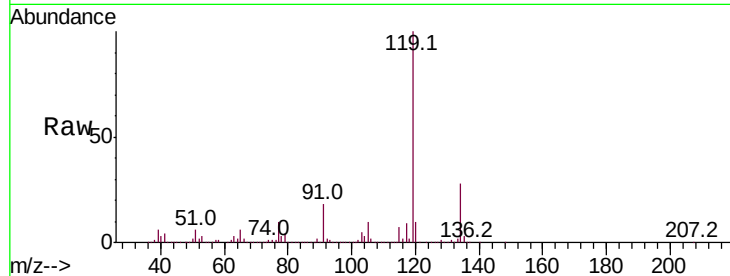
MW-2

Tot Ion:117 Resp: 53856

Ion Ratio Lower Upper

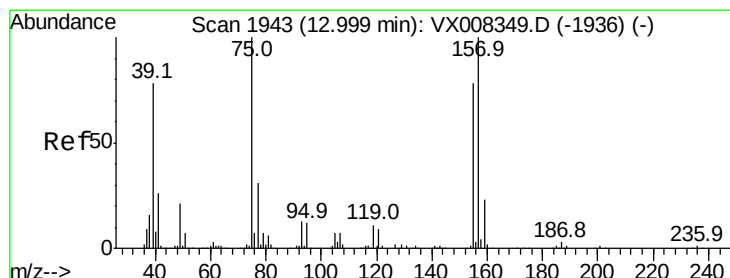
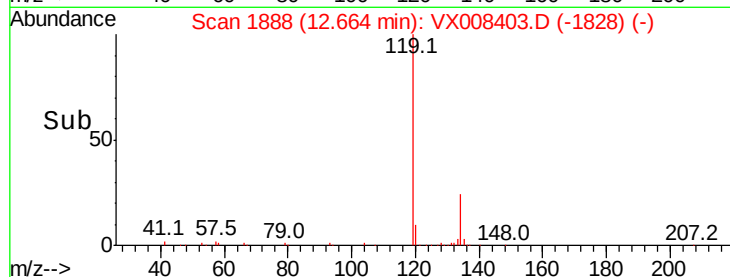
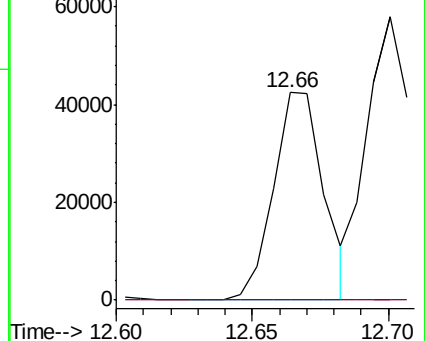
117 100

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: 0.211 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

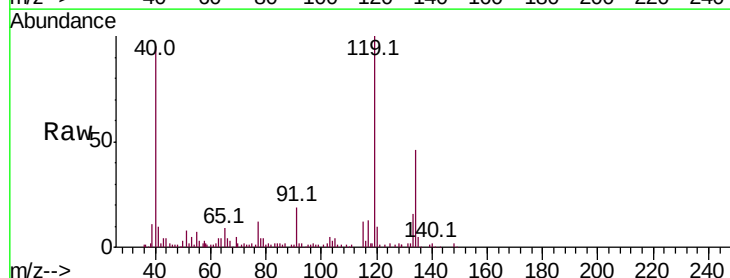
Tgt Ion: 75 Resp: 208

Ion Ratio Lower Upper

75 100

155 0.0 49.7 149.1#

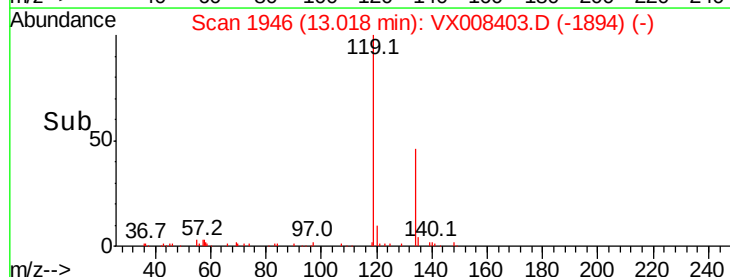
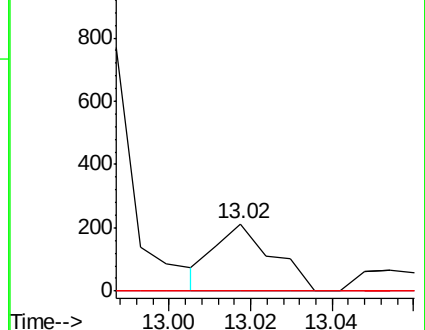
157 0.0 63.8 191.4#

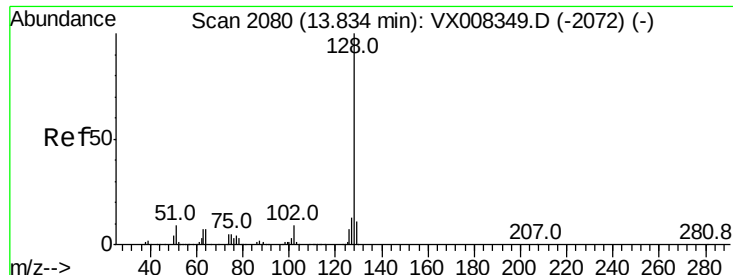


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 20.149 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008403.D

Acq: 24 Mar 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

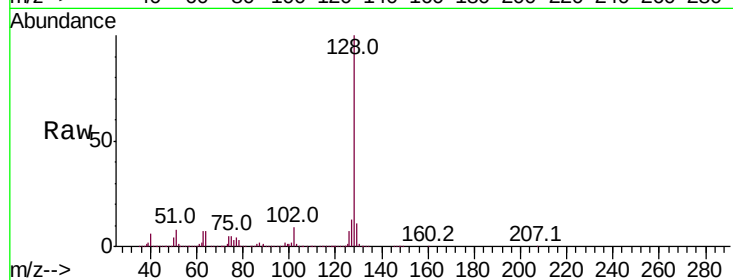
Tot Ion:128 Resp: 238468

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.6 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

