

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008439.D
 Acq On : 26 Mar 2019 02:48
 Operator : JC/SP
 Sample : K2059-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Mar 26 06:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	225764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	162008	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	5.50	113	119867	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	8.71	98	484941	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.13	95	169088	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	11173	2.717	ug/l #	44
5) Bromomethane	1.64	94	252	1.932	ug/l #	19
11) Tert butyl alcohol	3.03	59	1924	2.537	ug/l #	72
13) Acrolein	2.26	56	15365	27.902	ug/l #	1
14) Allyl chloride	2.84	41	113788	19.664	ug/l #	73
15) Acrylonitrile	3.17	53	15574	7.832	ug/l #	38
16) Acetone	2.44	43	8327	4.655	ug/l	93
17) Carbon Disulfide	2.57	76	3093	0.355	ug/l #	92
18) Methyl Acetate	2.84	43	259966	60.508	ug/l #	55
19) Methyl tert-butyl Ether	3.20	73	2714	0.287	ug/l #	1
20) Methylene Chloride	2.85	84	1247	Below Cal	#	1
21) trans-1,2-Dichloroethene	3.17	96	41	Below Cal	#	32
23) Vinyl Acetate	3.81	43	6891	0.693	ug/l #	84
25) 2-Butanone	4.68	43	3595	1.254	ug/l #	84
30) Chloroform	5.27	83	24328	4.686	ug/l #	32
31) Cyclohexane	5.58	56	229731	41.875	ug/l	98
36) 1,1-Dichloropropene	5.66	75	20061	4.910	ug/l #	51
37) Ethyl Acetate	4.90	43	1742	0.329	ug/l #	1
38) Carbon Tetrachloride	5.66	117	22704	6.659	ug/l #	16
39) Methylcyclohexane	7.46	83	143832	29.459	ug/l	93
40) Benzene	6.15	78	40684	3.326	ug/l	96
41) Methacrylonitrile	5.07	41	4186	1.407	ug/l #	42
43) Isopropyl Acetate	6.46	43	10595	1.252	ug/l #	65
45) 1,2-Dichloropropane	7.45	63	2362	0.679	ug/l #	1
47) Bromodichloromethane	7.84	83	2411	0.620	ug/l #	97
48) Methyl methacrylate	7.73	41	19676	4.645	ug/l #	55
49) 1,4-Dioxane	7.54	88	19	0.226	ug/l #	19
52) Toluene	8.78	92	64916	8.877	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	20415	6.858	ug/l #	18
56) Ethyl methacrylate	9.16	69	5082	0.946	ug/l #	5
67) Ethyl Benzene	10.25	91	1652624	121.825	ug/l	100
68) m/p-Xylenes	10.36	106	467796	94.790	ug/l	100
69) o-Xylene	10.70	106	7379	1.541	ug/l	99
73) Isopropylbenzene	11.02	105	1073118	93.164	ug/l	99

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

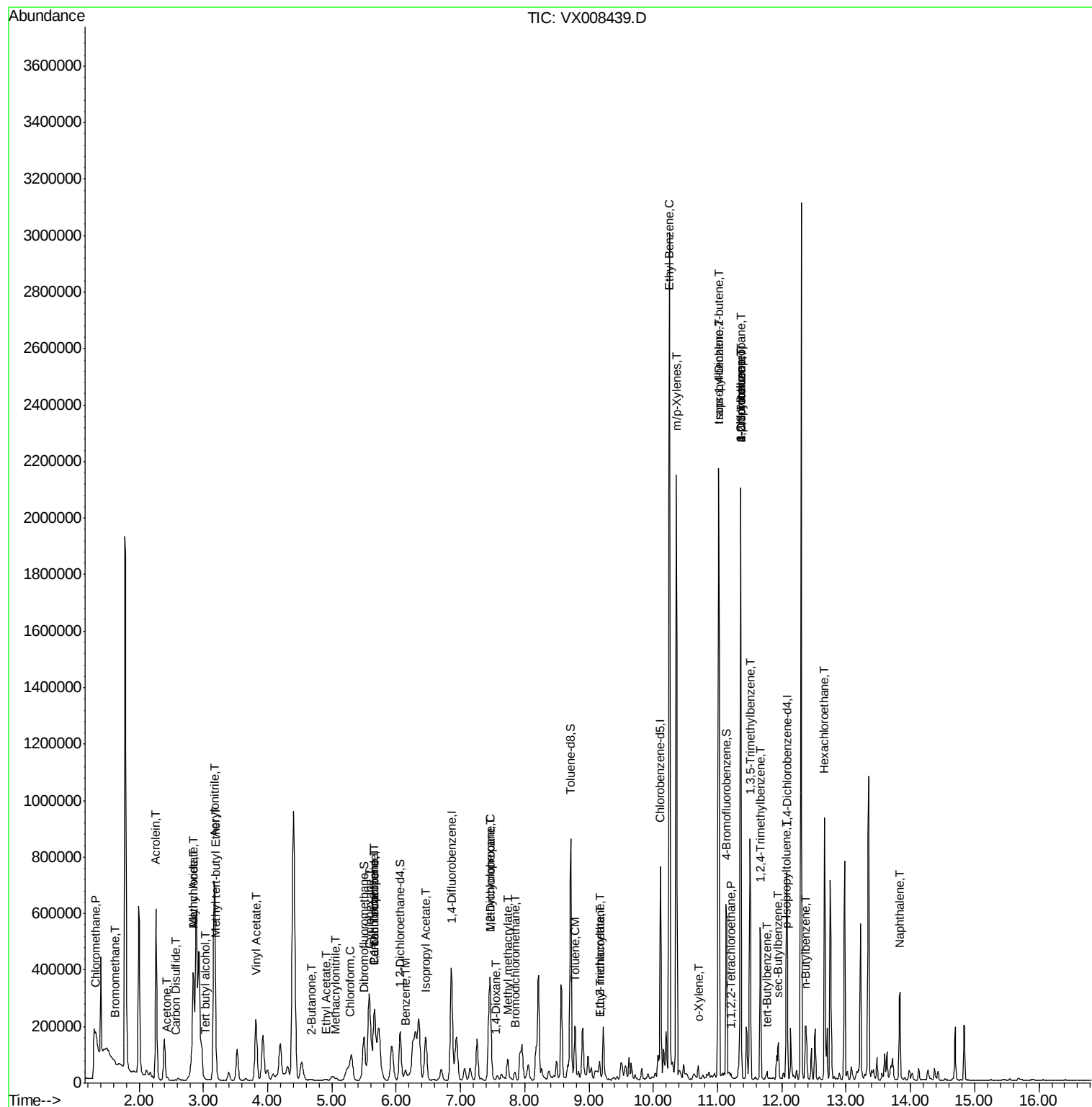
75) 1,1,2,2-Tetrachloroethane	11.21	83	925	0.207	ug/l #	82
76) 1,2,3-Trichloropropane	11.36	75	7778	1.848	ug/l #	1
78) n-propylbenzene	11.36	91	1224614	90.757	ug/l	100
79) 2-Chlorotoluene	11.36	91	1224614	149.214	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.51	105	348883	35.827	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	12806	9.744	ug/l #	63
82) 4-Chlorotoluene	11.36	91	1224614	129.357	ug/l #	47
83) tert-Butylbenzene	11.77	119	10258	1.092	ug/l	88
84) 1,2,4-Trimethylbenzene	11.66	105	256585	26.050	ug/l	78
85) sec-Butylbenzene	11.94	105	62083	5.549	ug/l	96
86) p-Isopropyltoluene	12.06	119	9323	0.944	ug/l #	75
89) n-Butylbenzene	12.38	91	69295	7.409	ug/l #	73
90) Hexachloroethane	12.66	117	38088	23.157	ug/l #	10
95) Naphthalene	13.83	128	185113	16.033	ug/l	99

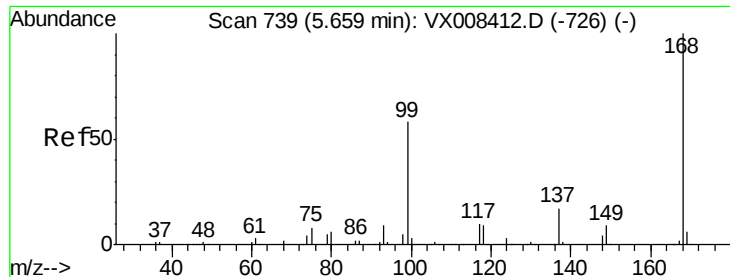
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

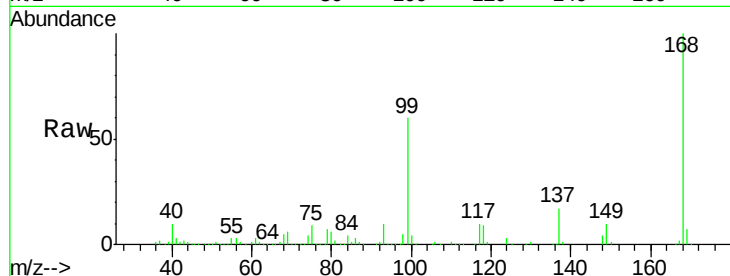
MW-4

Tot Ion:168 Resp: 225764

Ion Ratio Lower Upper

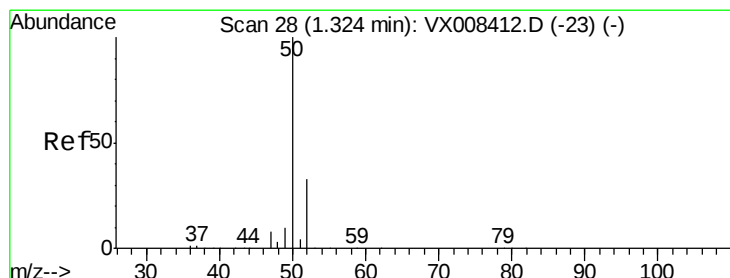
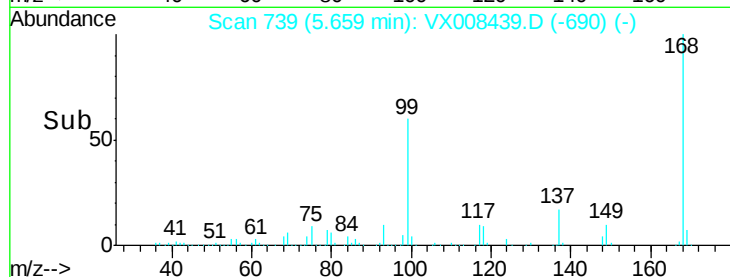
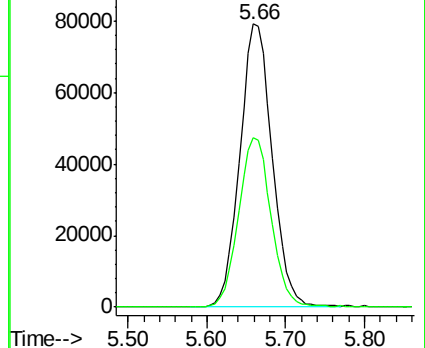
168 100

99 59.9 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.717 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX008439.D

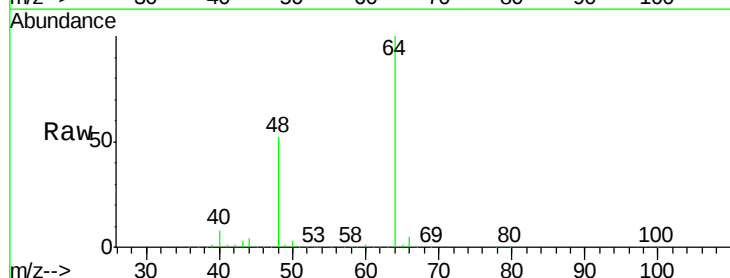
Acq: 26 Mar 2019 02:48

Tgt Ion: 50 Resp: 11173

Ion Ratio Lower Upper

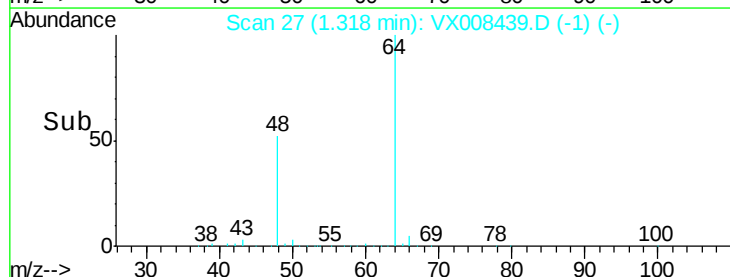
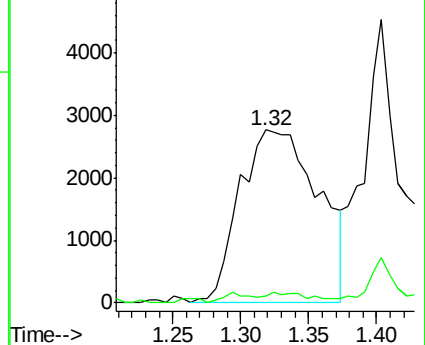
50 100

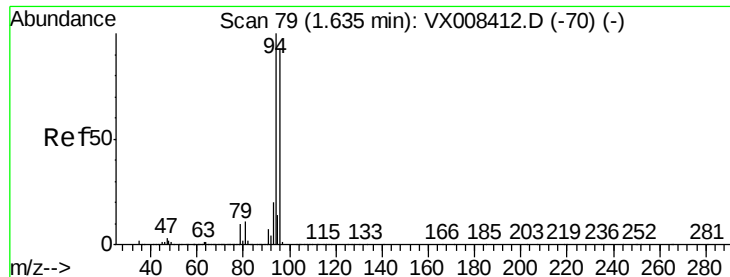
52 1.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.932 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

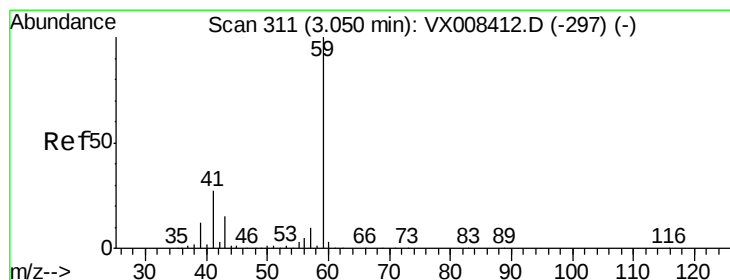
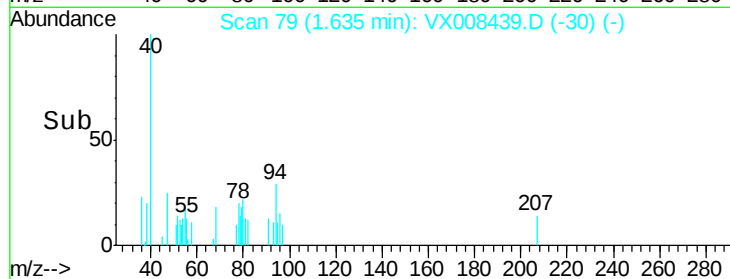
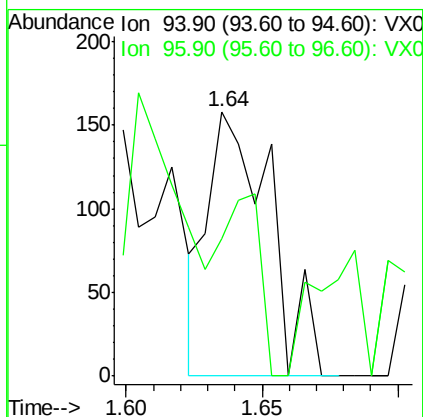
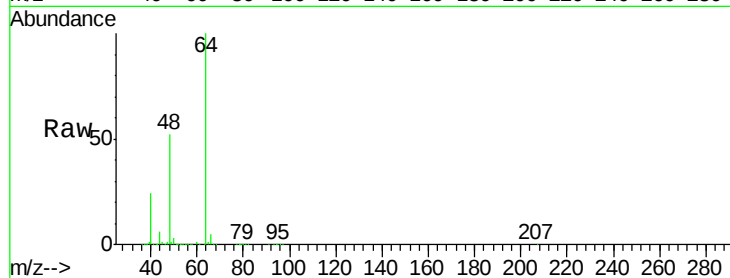
MW-4

Tot Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

96 15.2 74.8 112.2#



#11

Tert butyl alcohol

Concen: 2.537 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008439.D

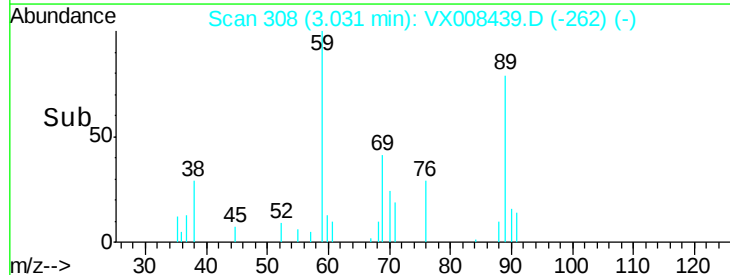
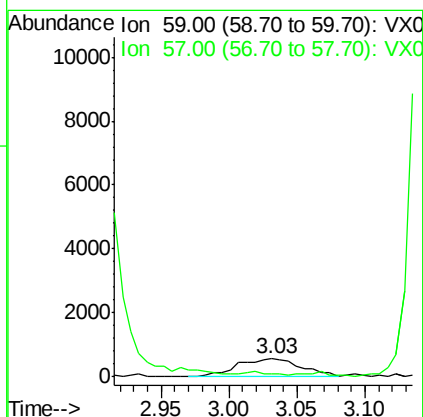
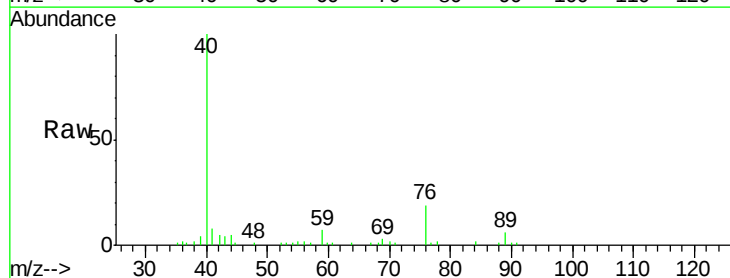
Acq: 26 Mar 2019 02:48

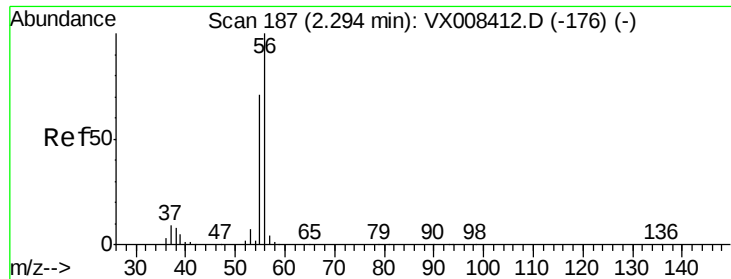
Tgt Ion: 59 Resp: 1924

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 27.902 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

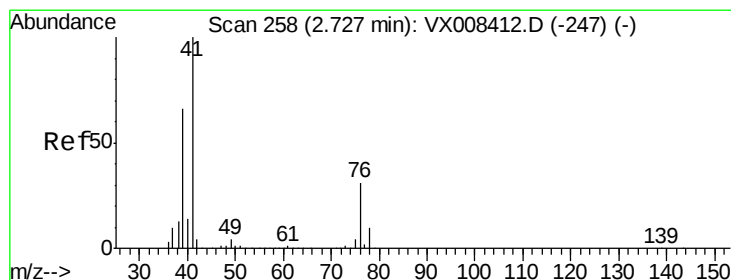
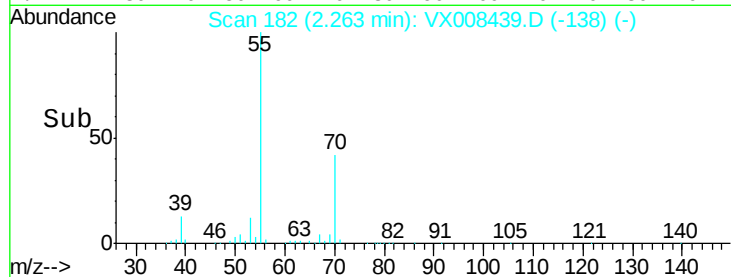
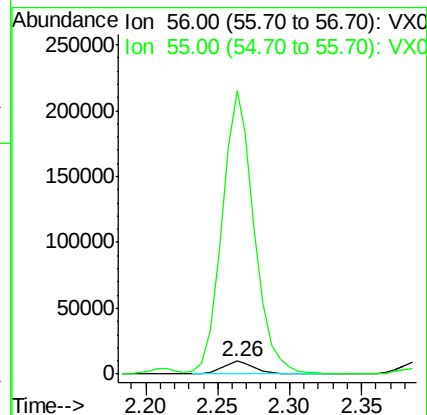
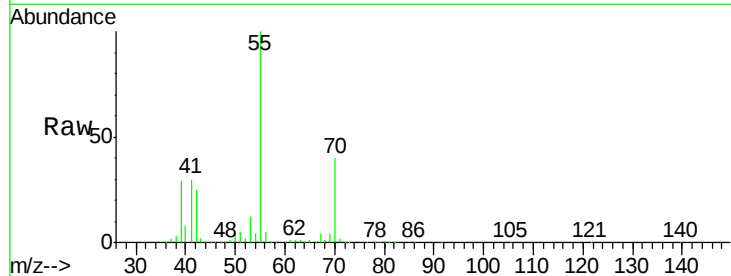
MW-4

Tot Ion: 56 Resp: 15365

Ion Ratio Lower Upper

56 100

55 2168.9 56.5 84.7#



#14

Allyl chloride

Concen: 19.664 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

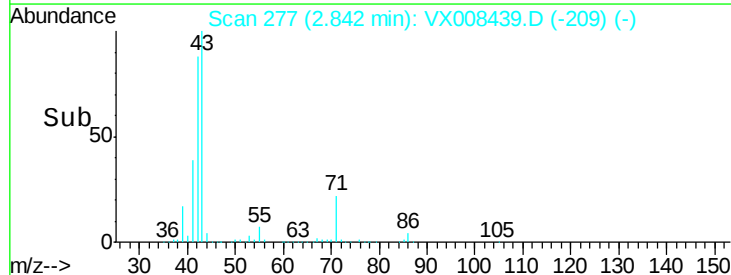
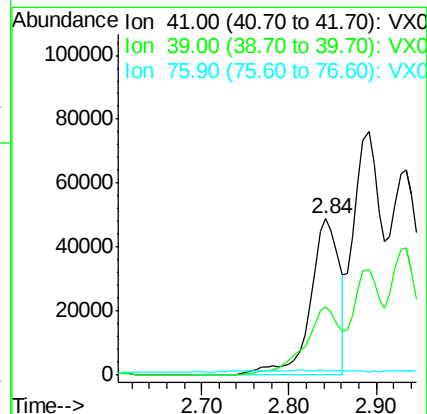
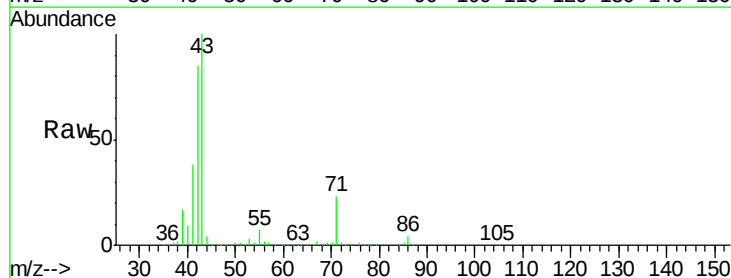
Tgt Ion: 41 Resp: 113788

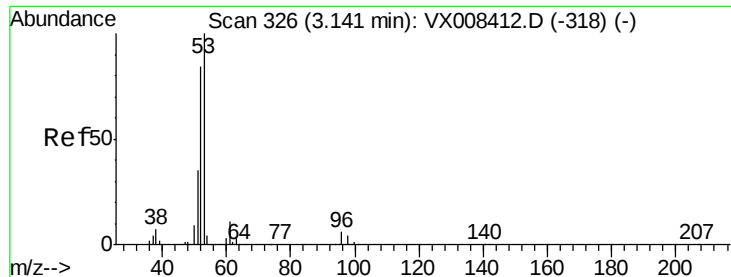
Ion Ratio Lower Upper

41 100

39 50.0 49.6 74.4

76 0.0 22.6 34.0#





#15

Acrylonitrile

Concen: 7.832 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

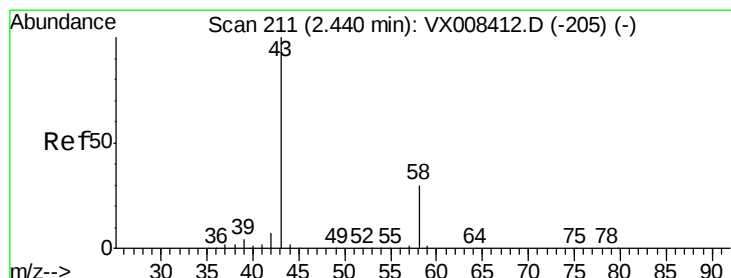
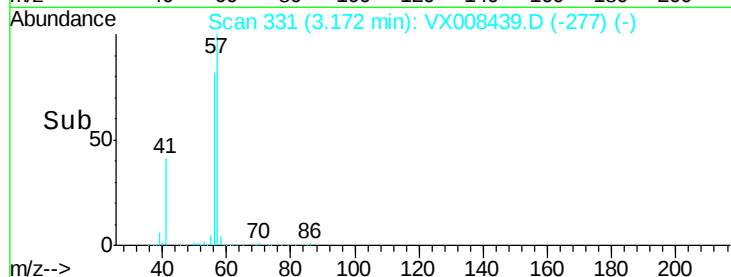
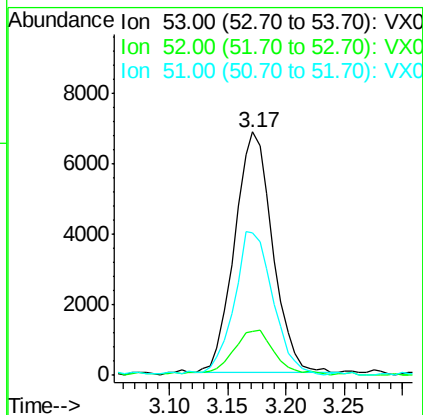
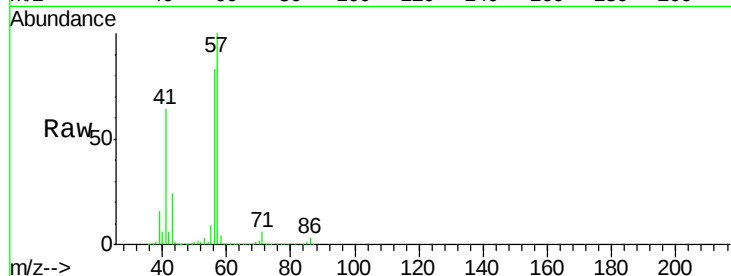
Tot Ion: 53 Resp: 15574

Ion Ratio Lower Upper

53 100

52 21.3 66.5 99.7#

51 61.8 28.3 42.5#



#16

Acetone

Concen: 4.655 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008439.D

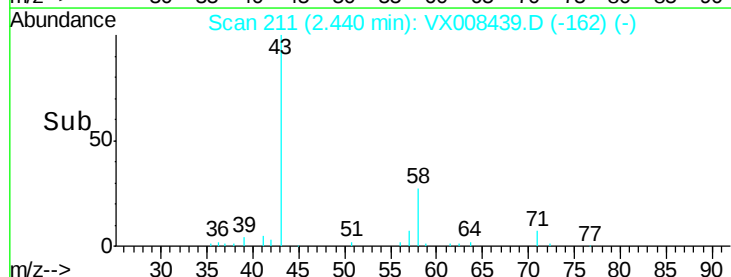
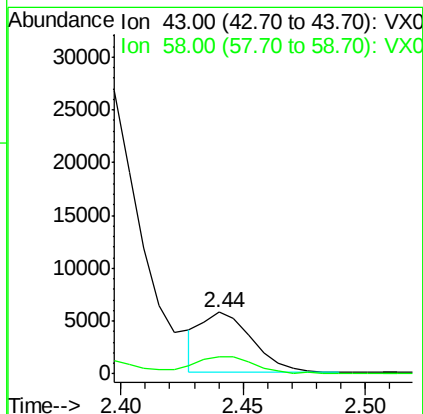
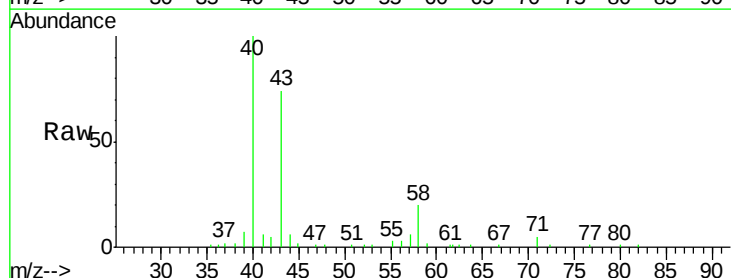
Acq: 26 Mar 2019 02:48

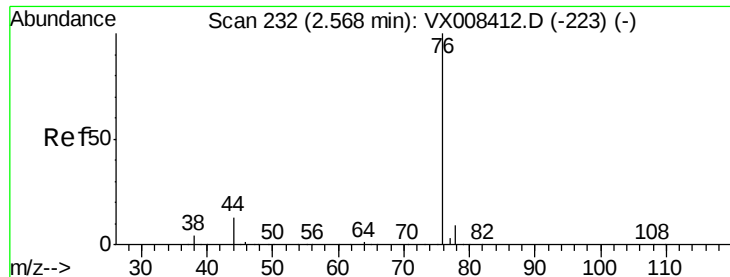
Tgt Ion: 43 Resp: 8327

Ion Ratio Lower Upper

43 100

58 26.6 24.2 36.2





#17

Carbon Disulfide

Concen: 0.355 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

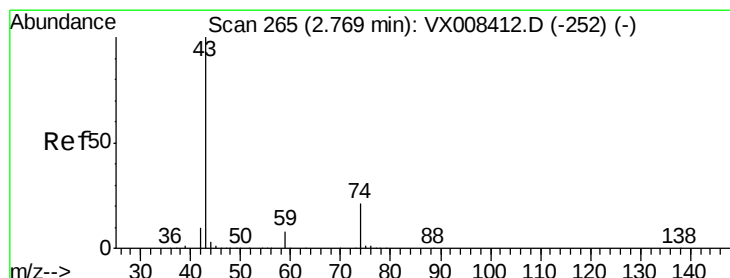
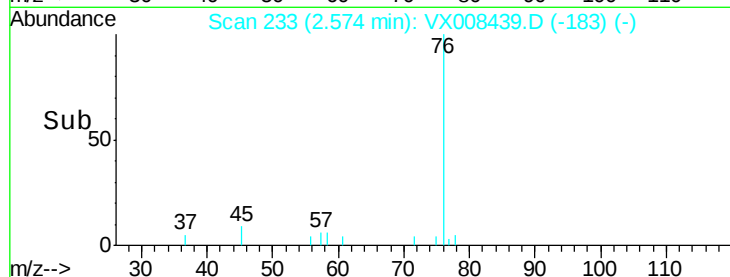
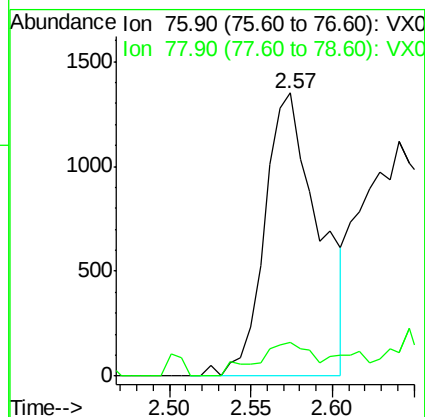
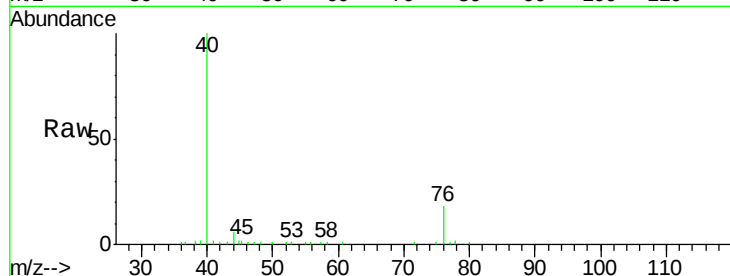
MW-4

Tot Ion: 76 Resp: 3093

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.2#



#18

Methyl Acetate

Concen: 60.508 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX008439.D

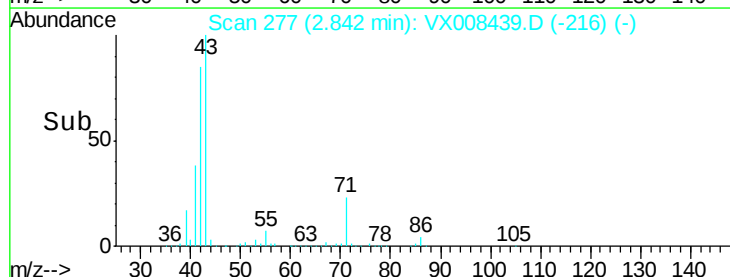
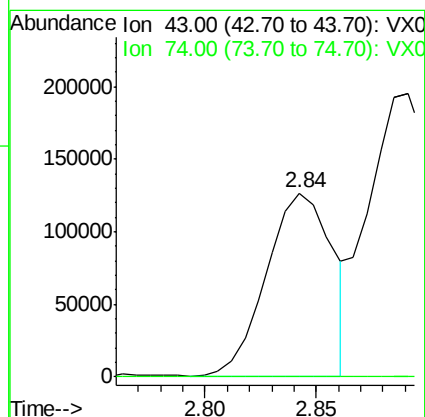
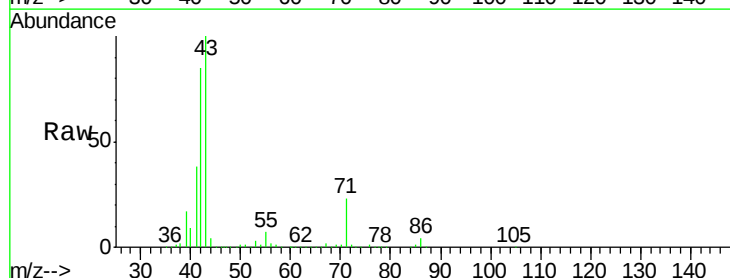
Acq: 26 Mar 2019 02:48

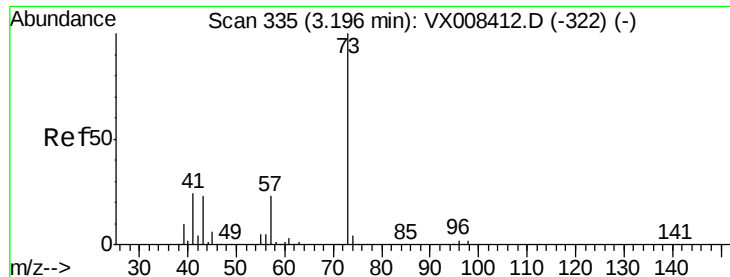
Tgt Ion: 43 Resp: 259966

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



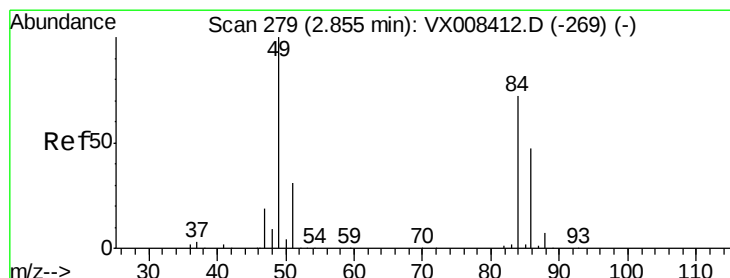
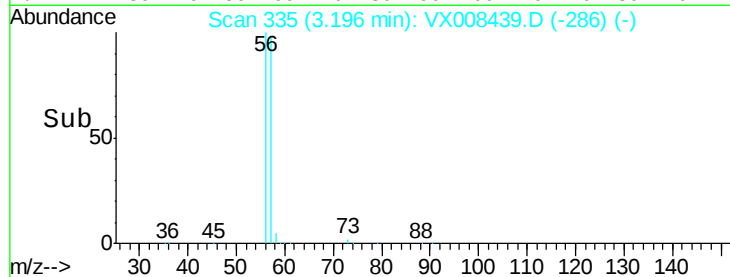
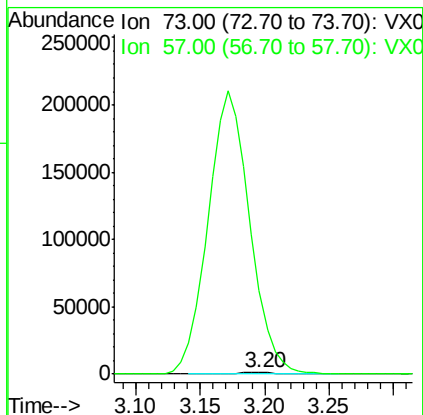
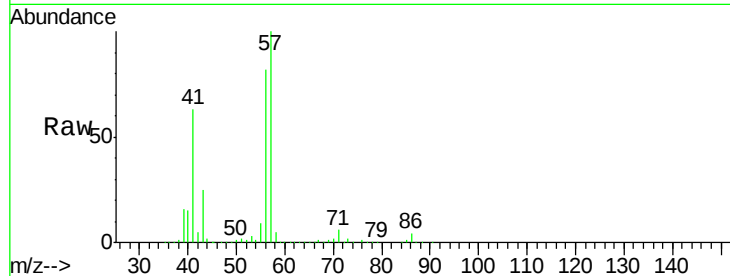


#19

Methyl tert-butyl Ether
 Concen: 0.287 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

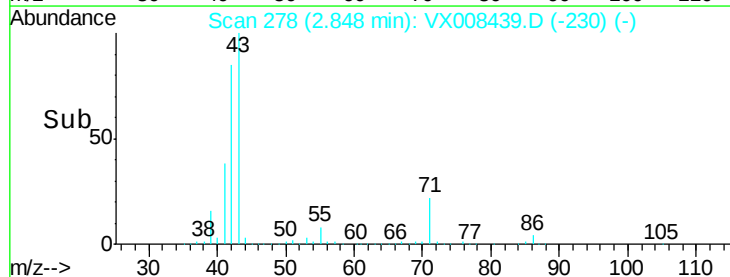
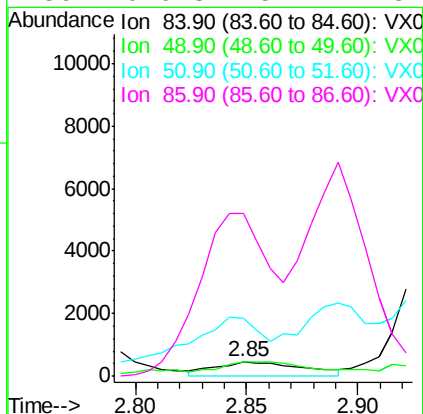
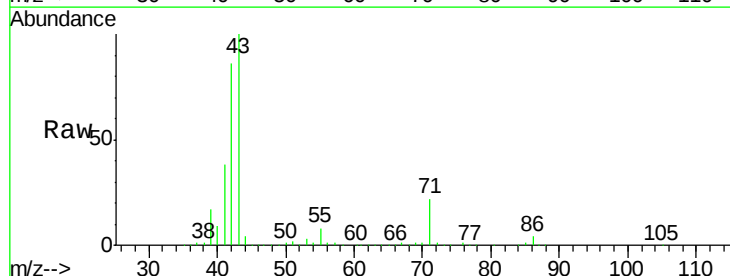
Tot Ion: 73 Resp: 2714
 Ion Ratio Lower Upper
 73 100
 57 6025.3 18.6 28.0#

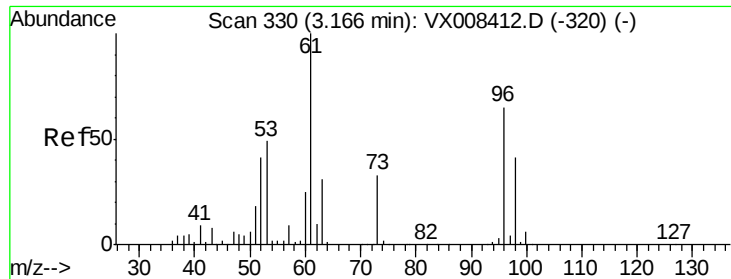


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.85 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Tgt Ion: 84 Resp: 1247
 Ion Ratio Lower Upper
 84 100
 49 102.6 110.6 165.8#
 51 266.8 33.9 50.9#
 86 1040.3 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

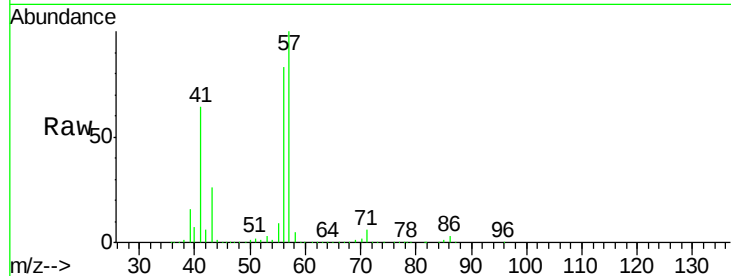
Tot Ion: 96 Resp: 41

Ion Ratio Lower Upper

96 100

61 73.3 122.6 184.0#

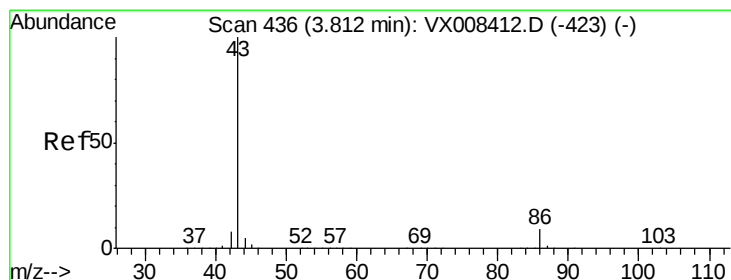
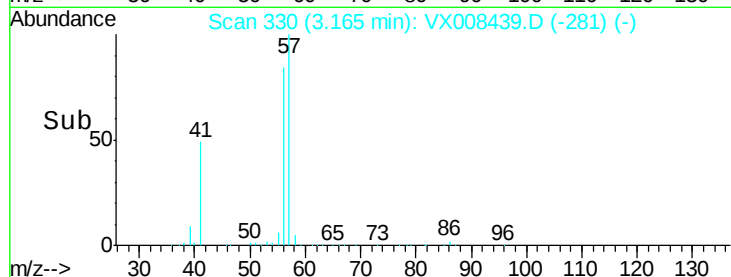
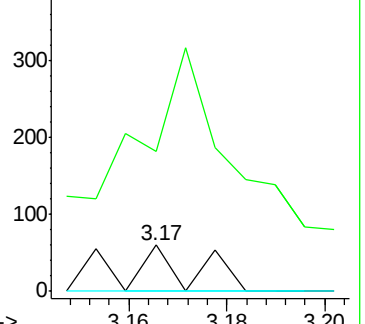
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#23

Vinyl Acetate

Concen: 0.693 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008439.D

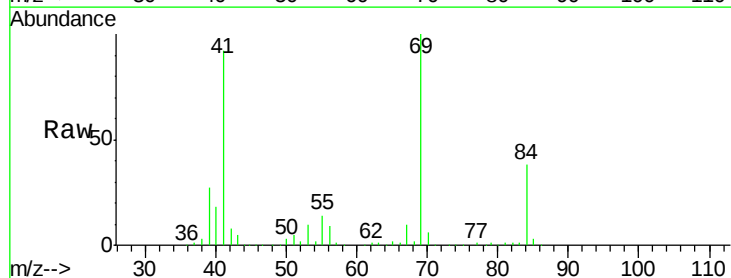
Acq: 26 Mar 2019 02:48

Tgt Ion: 43 Resp: 6891

Ion Ratio Lower Upper

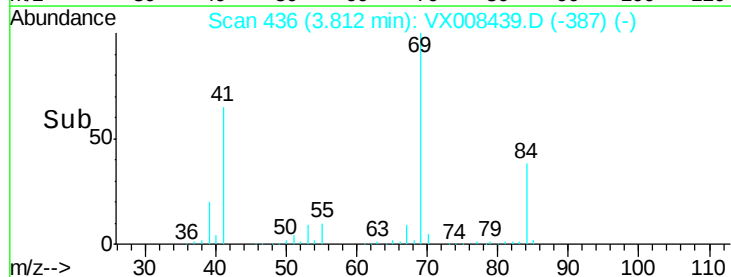
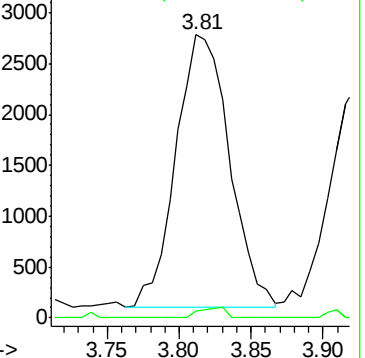
43 100

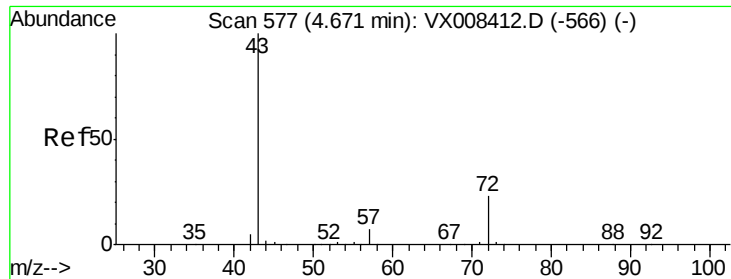
86 2.8 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 1.254 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

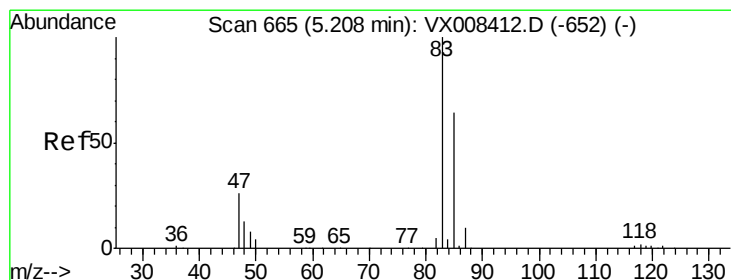
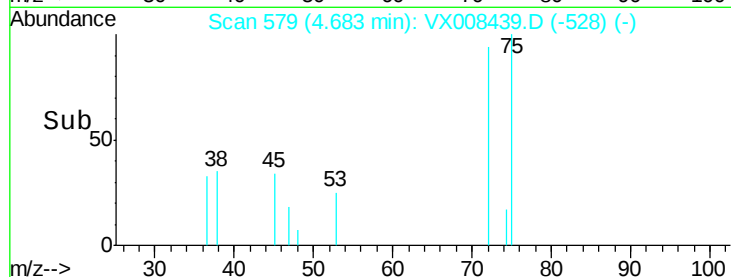
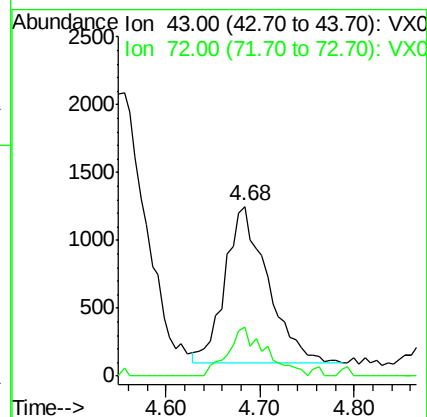
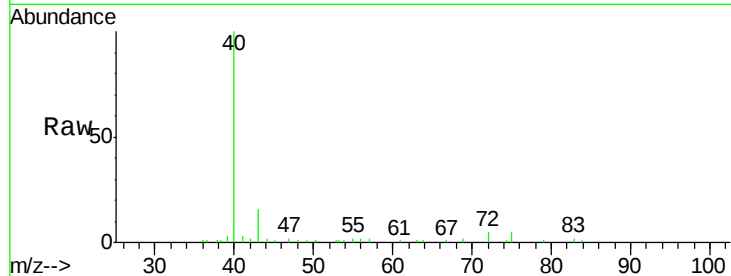
MW-4

Tot Ion: 43 Resp: 3595

Ion Ratio Lower Upper

43 100

72 31.1 18.6 28.0#



#30

Chloroform

Concen: 4.686 ug/l

RT: 5.27 min Scan# 676

Delta R.T. 0.07 min

Lab File: VX008439.D

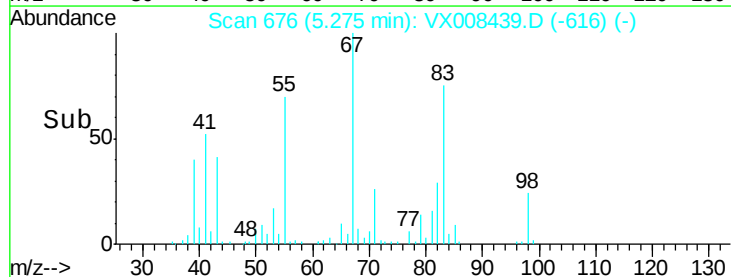
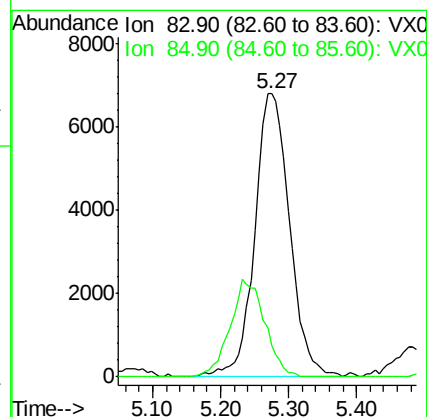
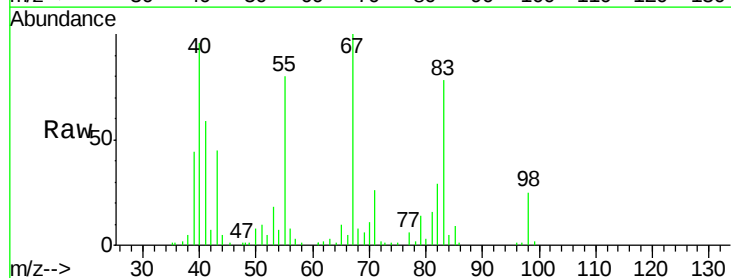
Acq: 26 Mar 2019 02:48

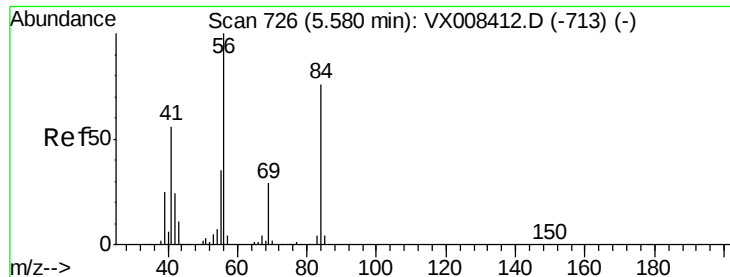
Tgt Ion: 83 Resp: 24328

Ion Ratio Lower Upper

83 100

85 11.2 51.4 77.2#





#31

Cyclohexane

Concen: 41.875 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

MW-4

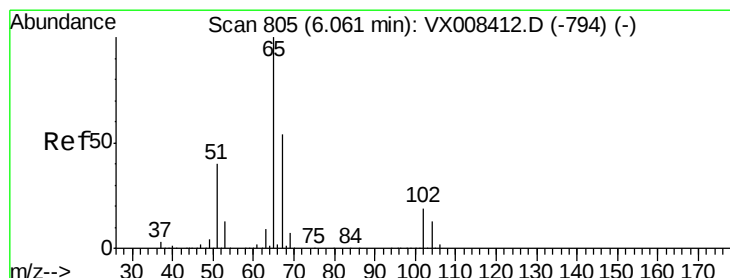
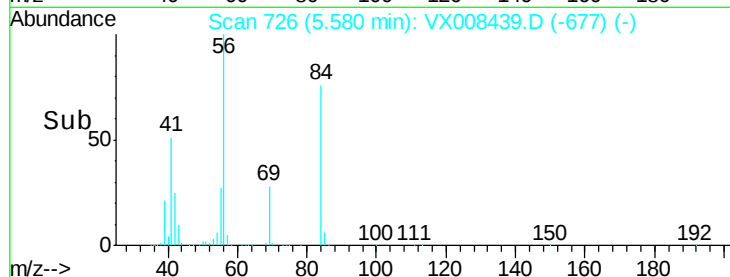
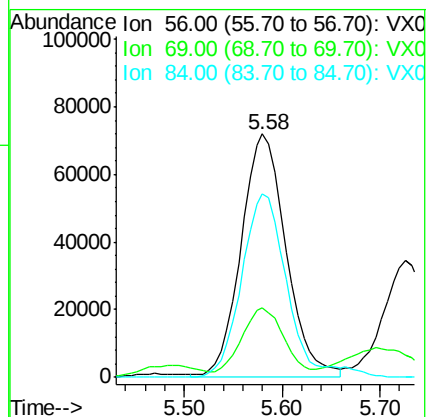
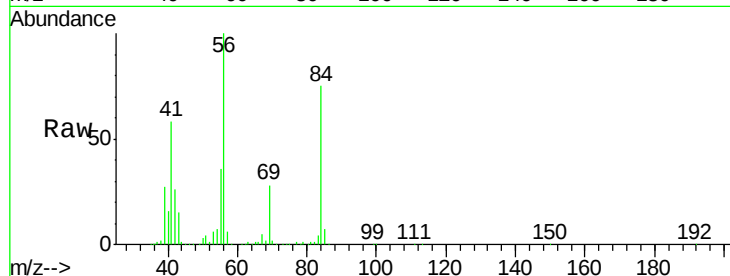
Tot Ion: 56 Resp: 229731

Ion Ratio Lower Upper

56 100

69 24.6 23.2 34.8

84 76.0 60.7 91.1



#33

1,2-Dichloroethane-d4

Concen: 47.334 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008439.D

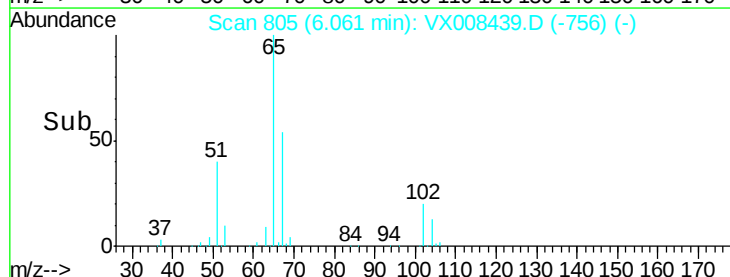
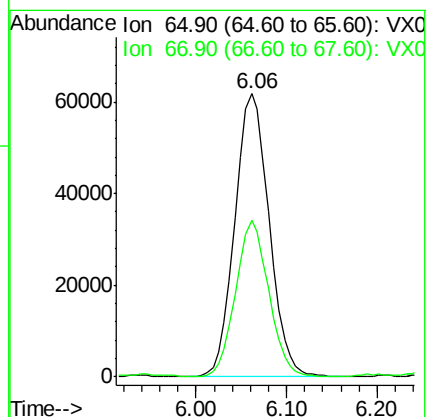
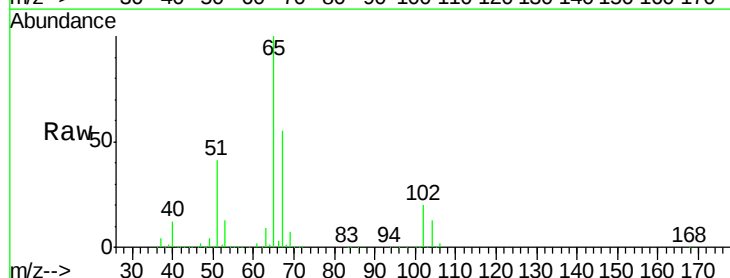
Acq: 26 Mar 2019 02:48

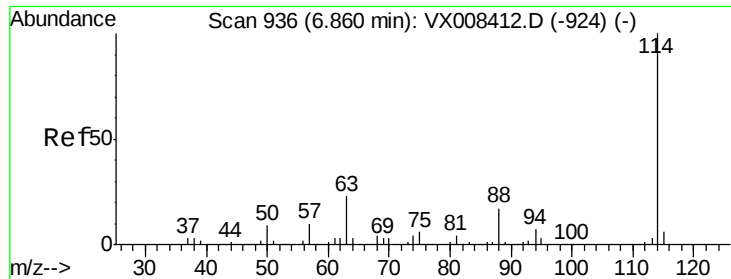
Tgt Ion: 65 Resp: 162008

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.4

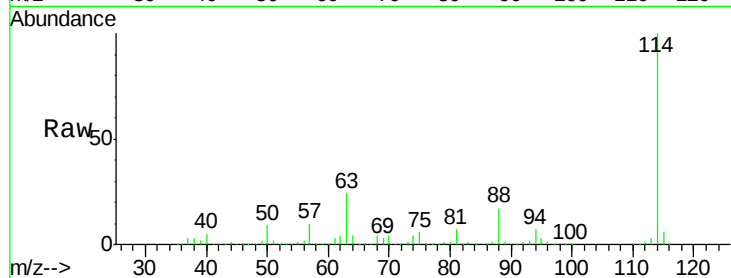




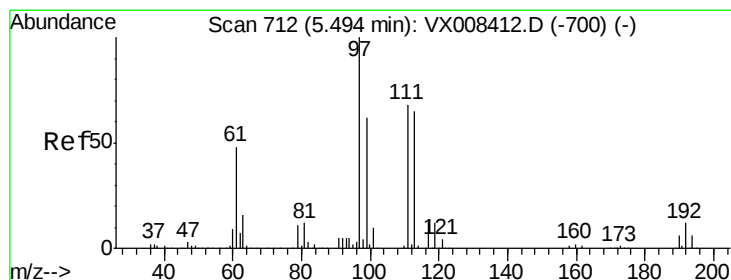
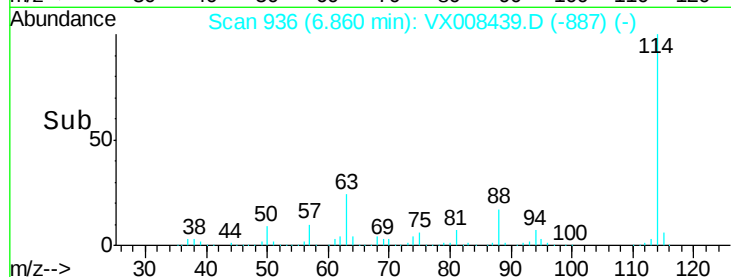
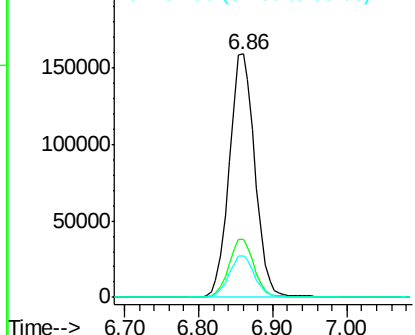
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tot Ion:114 Resp: 383169
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.4
 88 17.2 0.0 33.2

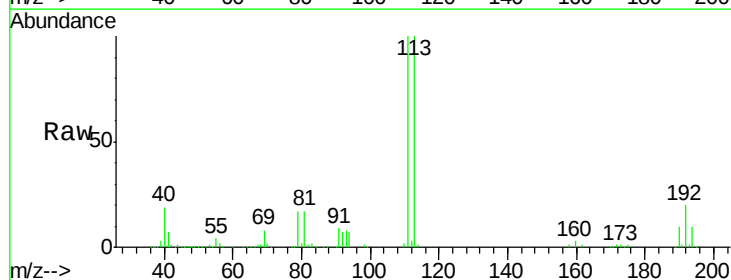


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

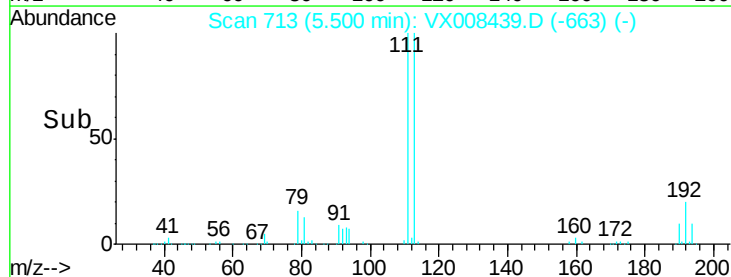
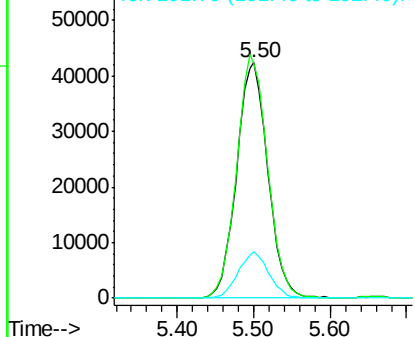


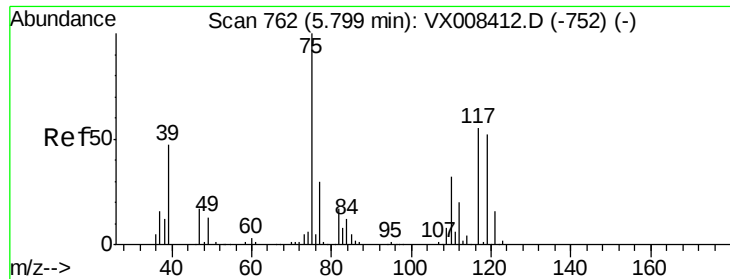
#35
 Dibromofluoromethane
 Concen: 47.977 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Tgt Ion:113 Resp: 119867
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.4
 192 19.2 15.6 23.4



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

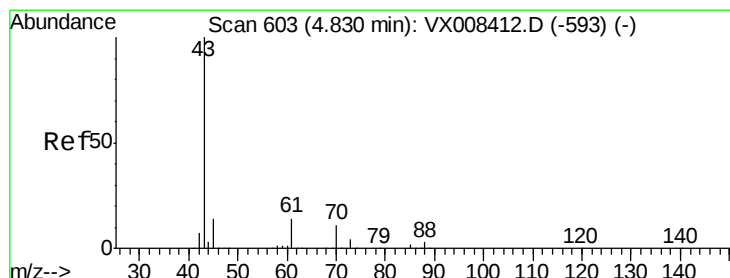
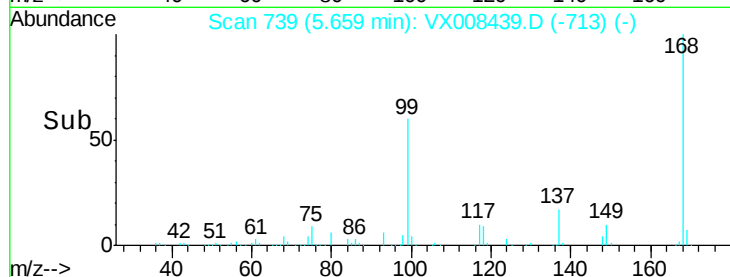
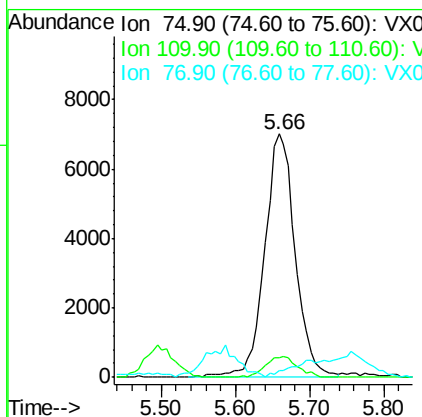
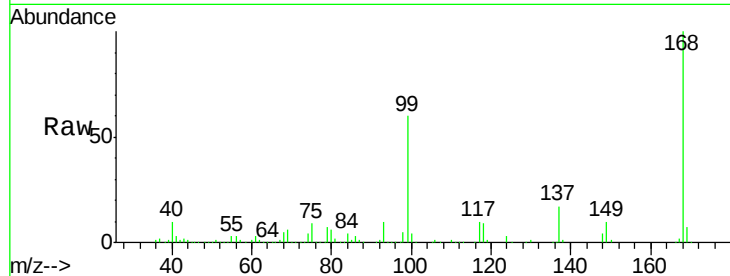




#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

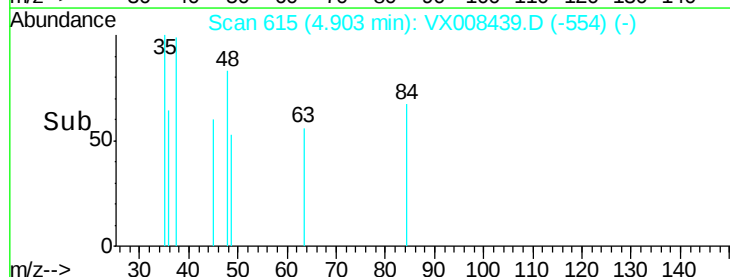
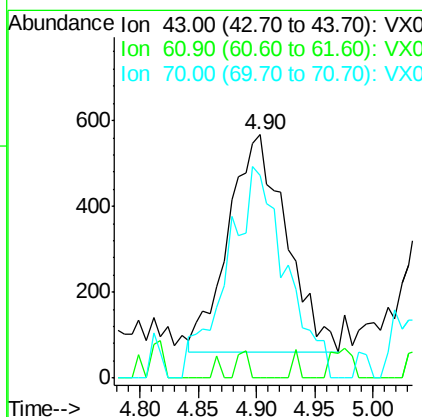
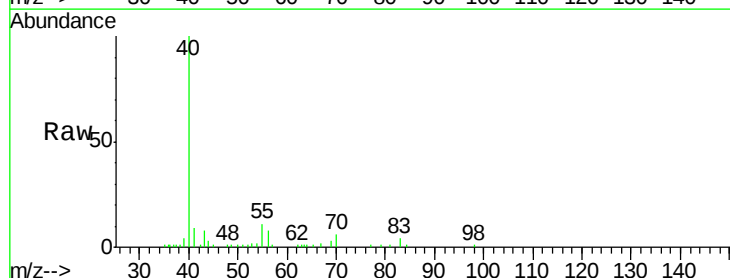
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

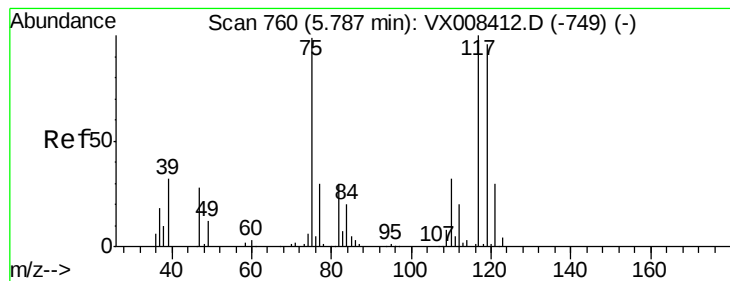
Tot Ion: 75 Resp: 20061
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.7#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 0.329 ug/l
 RT: 4.90 min Scan# 615
 Delta R.T. 0.07 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Tgt Ion: 43 Resp: 1742
 Ion Ratio Lower Upper
 43 100
 61 2.5 10.5 15.7#
 70 99.3 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 6.659 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

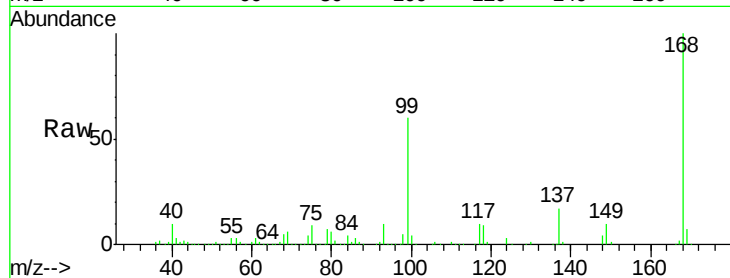
Tot Ion:117 Resp: 22704

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

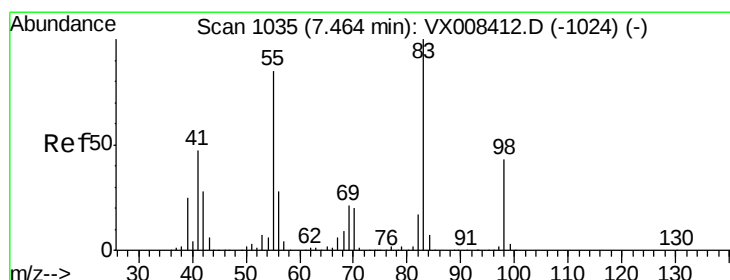
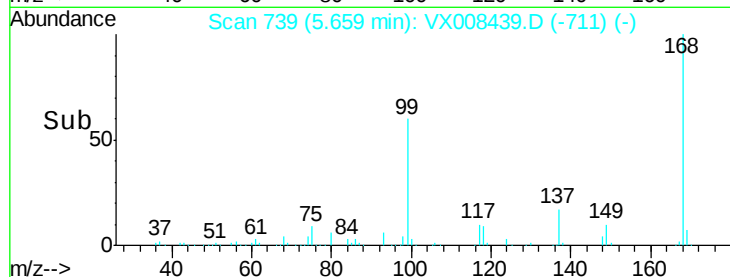
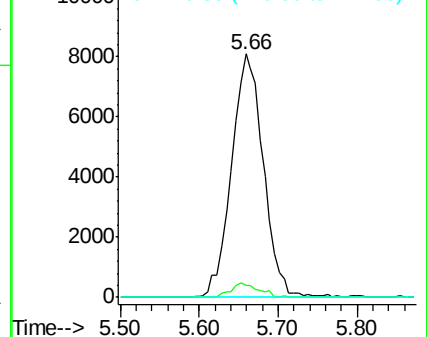
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 29.459 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

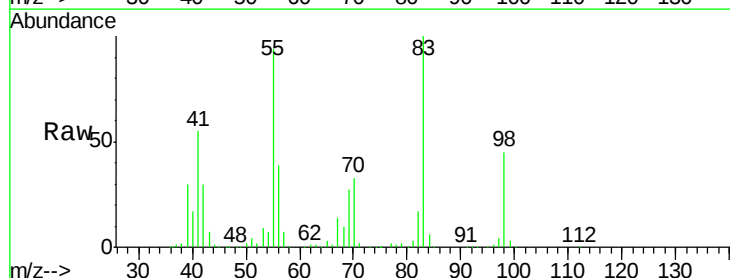
Tgt Ion: 83 Resp: 143832

Ion Ratio Lower Upper

83 100

55 93.7 68.2 102.4

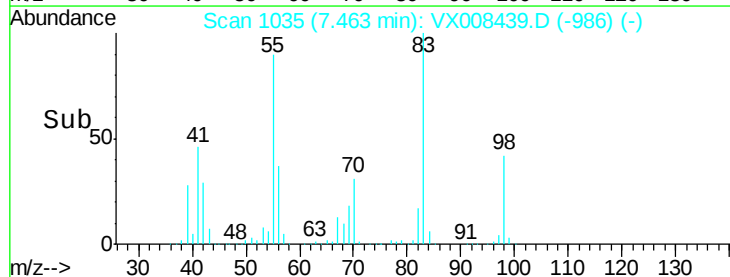
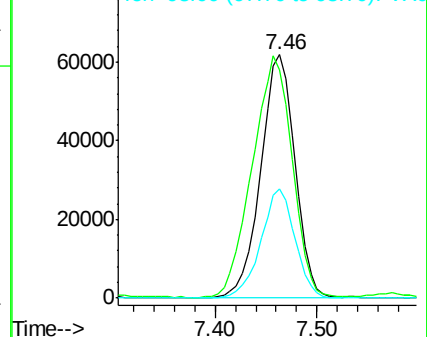
98 44.5 34.2 51.4

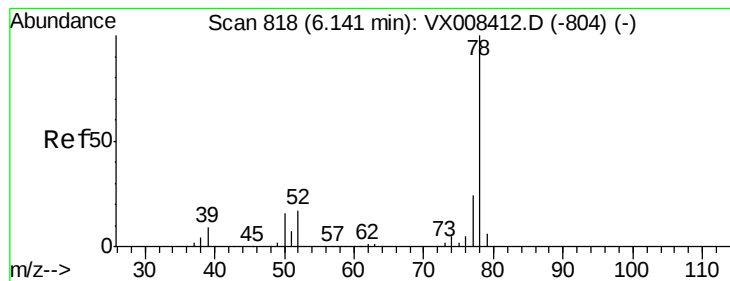


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 3.326 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

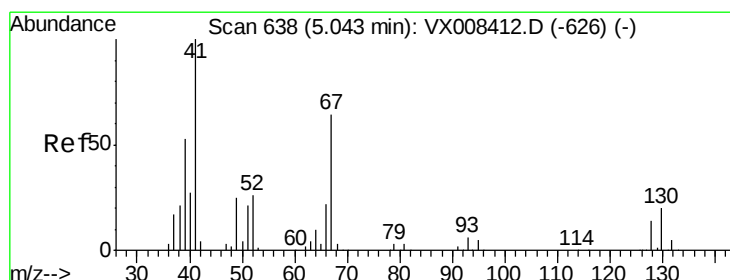
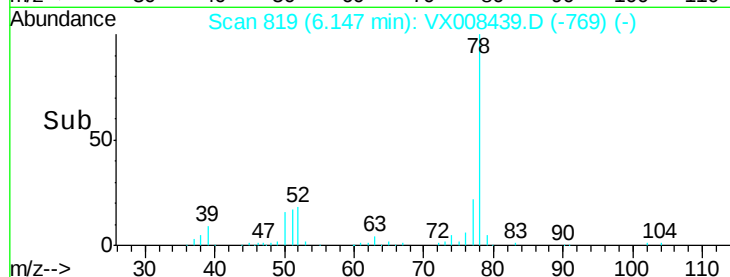
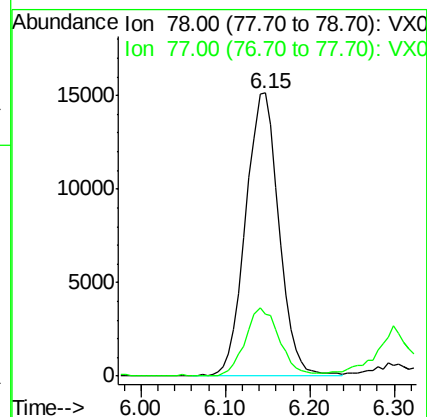
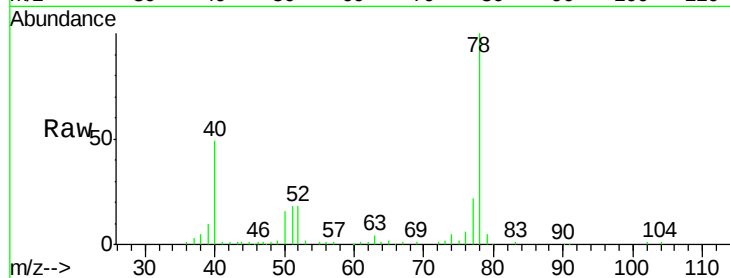
MW-4

Tot Ion: 78 Resp: 40684

Ion Ratio Lower Upper

78 100

77 21.9 19.3 28.9



#41

Methacrylonitrile

Concen: 1.407 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.02 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Tgt Ion: 41 Resp: 4186

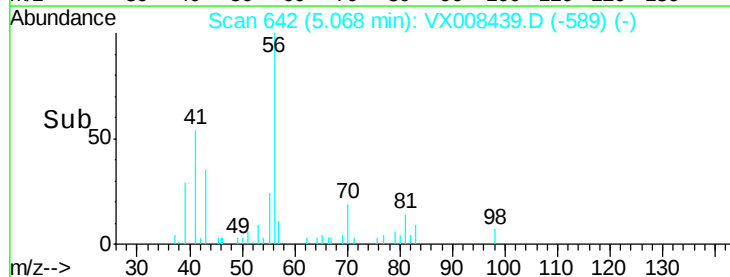
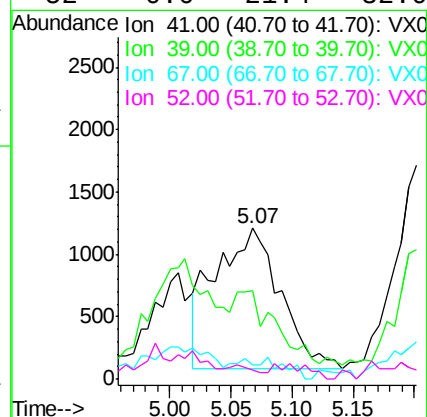
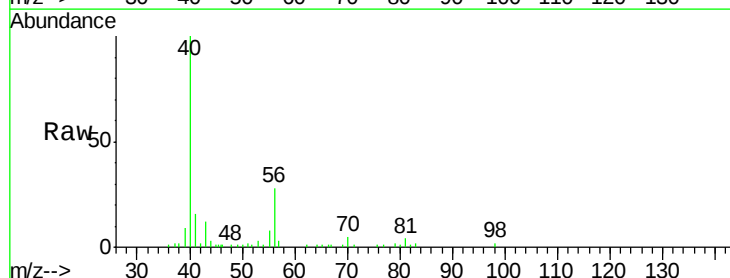
Ion Ratio Lower Upper

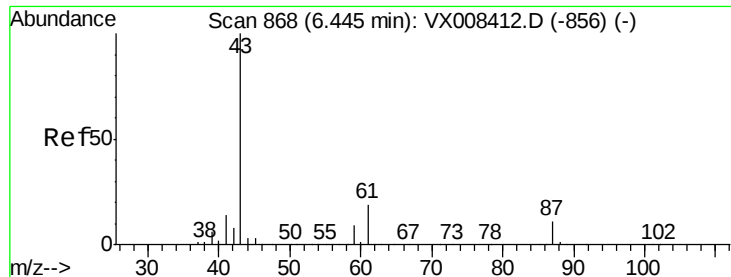
41 100

39 30.3 42.6 64.0#

67 0.0 52.2 78.4#

52 0.0 21.4 32.0#





#43

Isopropyl Acetate

Concen: 1.252 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

MW-4

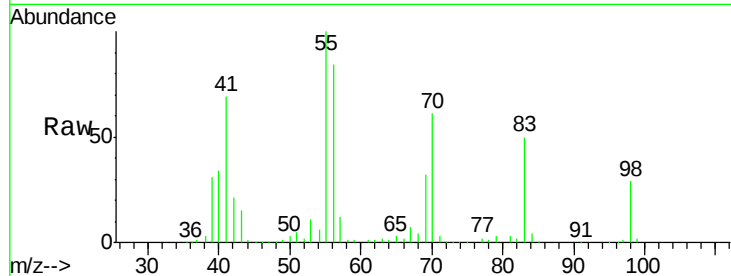
Tot Ion: 43 Resp: 10595

Ion Ratio Lower Upper

43 100

61 2.3 15.4 23.2#

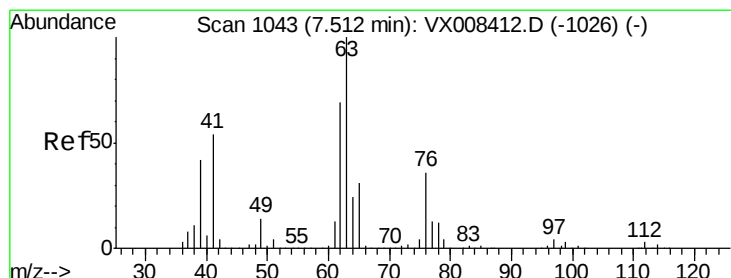
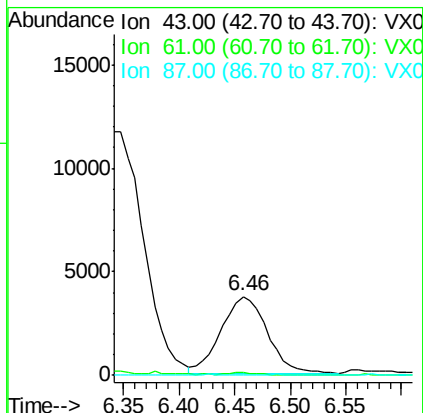
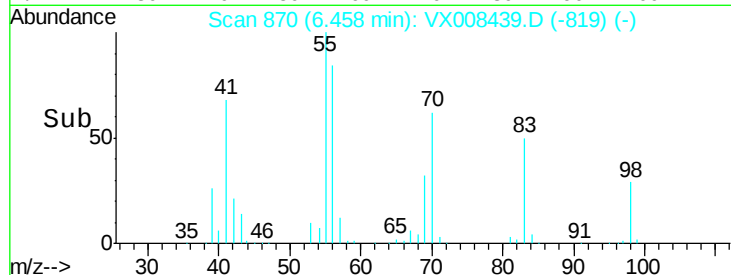
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 0.679 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.06 min

Lab File: VX008439.D

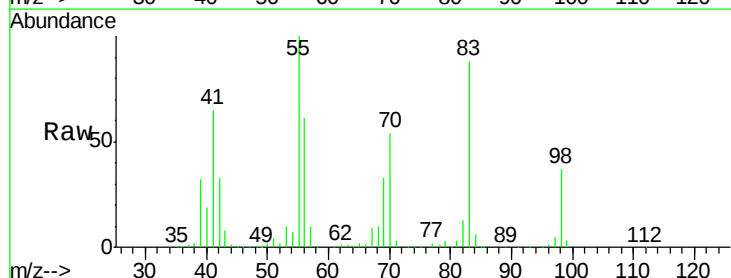
Acq: 26 Mar 2019 02:48

Tgt Ion: 63 Resp: 2362

Ion Ratio Lower Upper

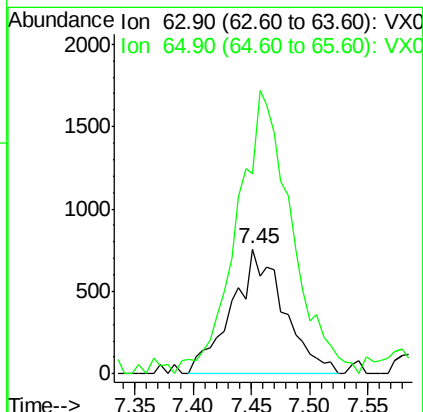
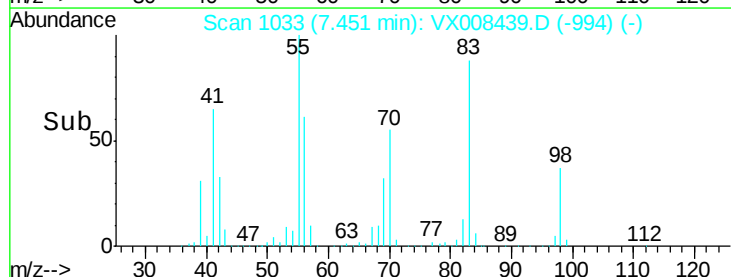
63 100

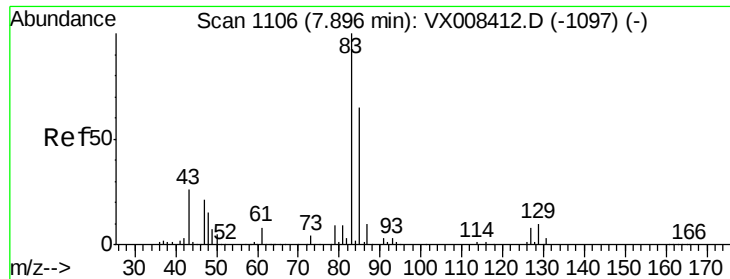
65 148.9 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.620 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

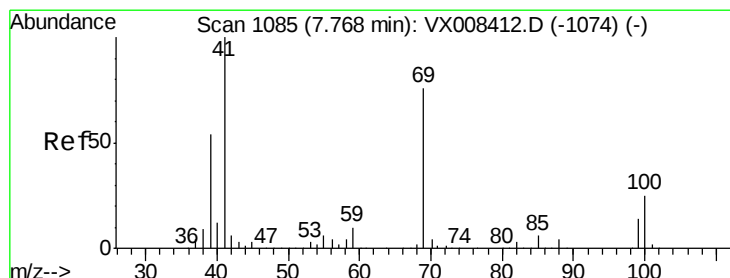
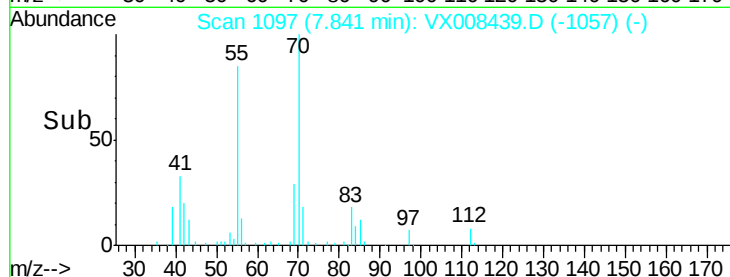
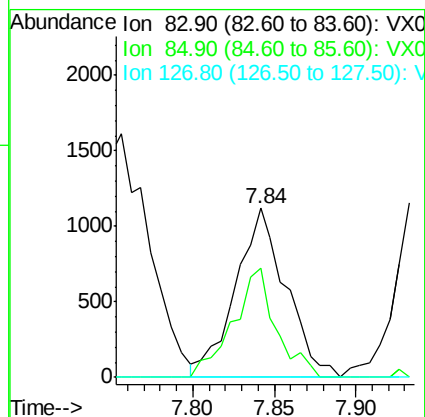
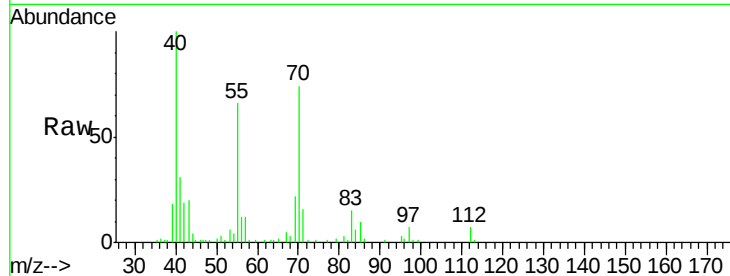
Tot Ion: 83 Resp: 2411

Ion Ratio Lower Upper

83 100

85 64.9 52.0 78.0

127 0.0 6.4 9.6#



#48

Methyl methacrylate

Concen: 4.645 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

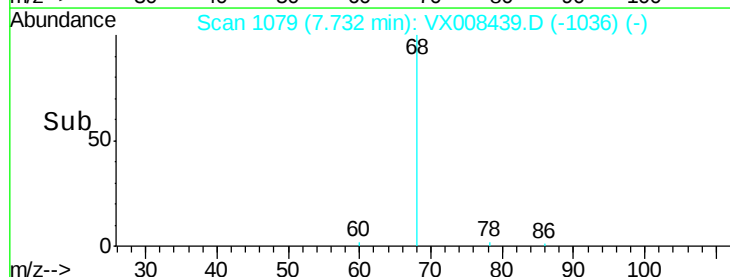
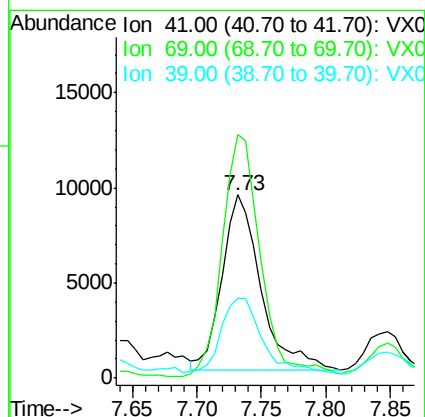
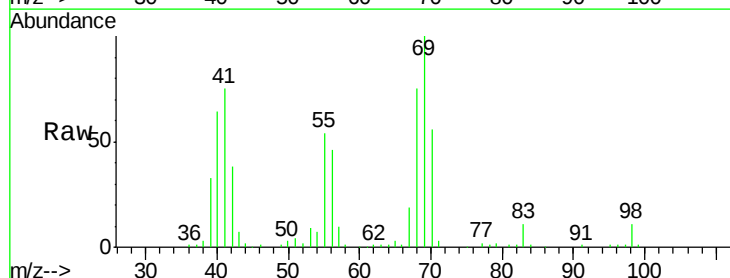
Tgt Ion: 41 Resp: 19676

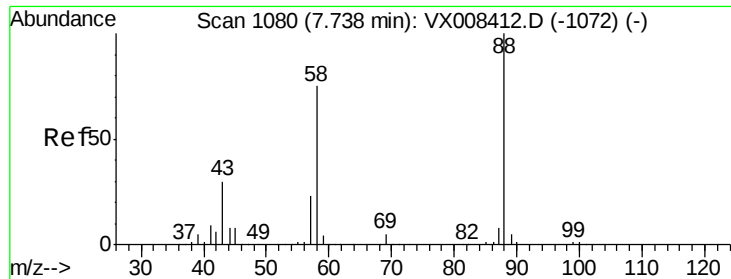
Ion Ratio Lower Upper

41 100

69 134.8 60.8 91.2#

39 45.4 42.3 63.5

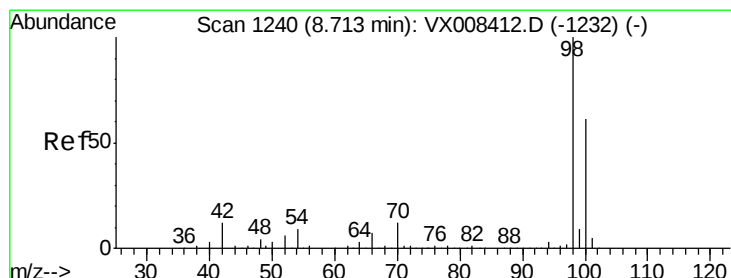
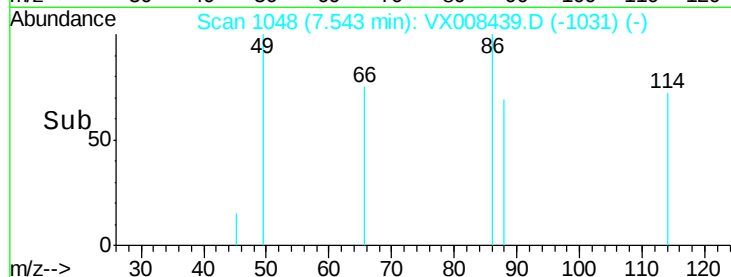
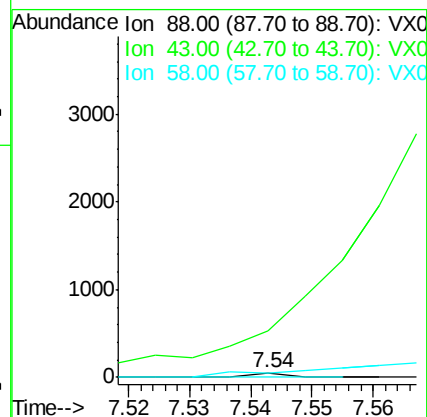
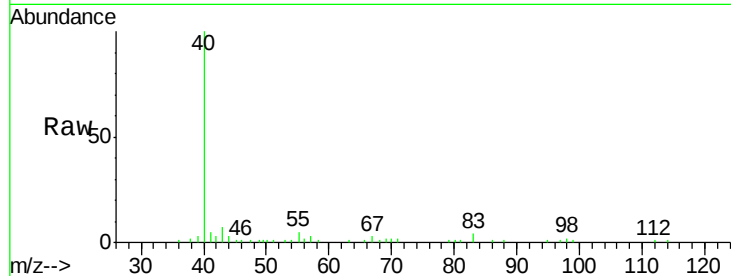




#49
 1,4-Dioxane
 Concen: 0.226 ug/l
 RT: 7.54 min Scan# 1048
 Delta R.T. -0.20 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

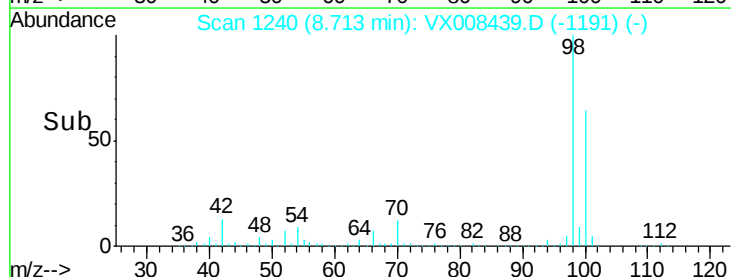
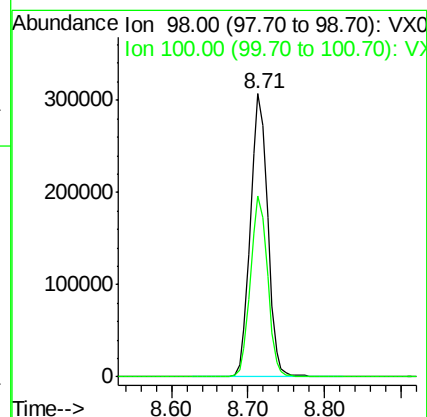
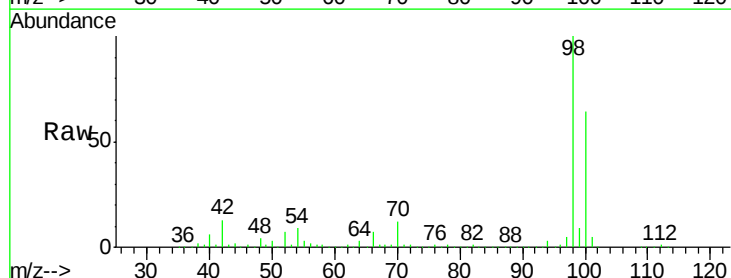
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

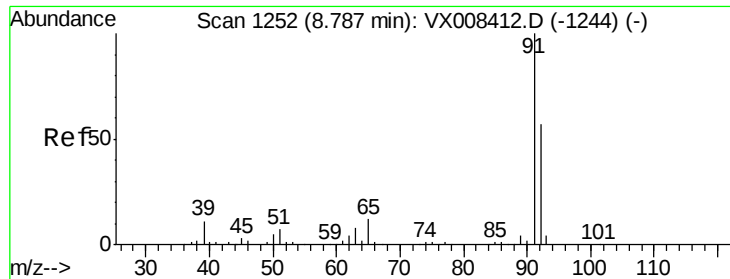
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.6 43.0#
 58 0.0 63.0 94.4#



#50
 Toluene-d8
 Concen: 48.542 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Tgt Ion: 98 Resp: 484941
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7





#52

Toluene

Concen: 8.877 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

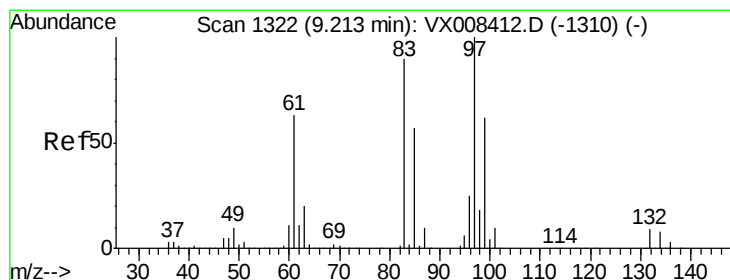
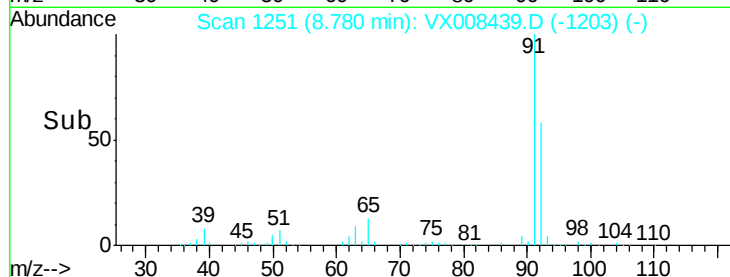
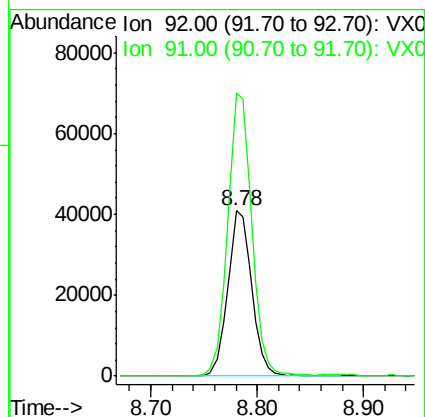
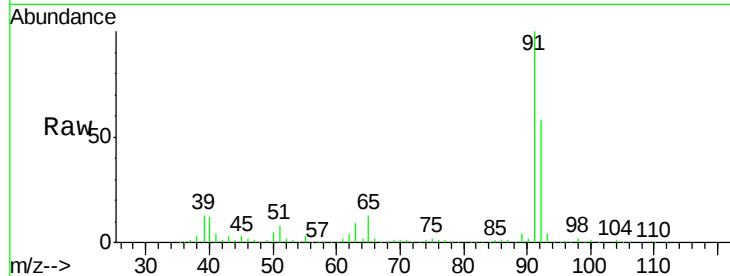
MW-4

Tot Ion: 92 Resp: 64916

Ion Ratio Lower Upper

92 100

91 170.2 140.2 210.4



#55

1,1,2-Trichloroethane

Concen: 6.858 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Tgt Ion: 97 Resp: 20415

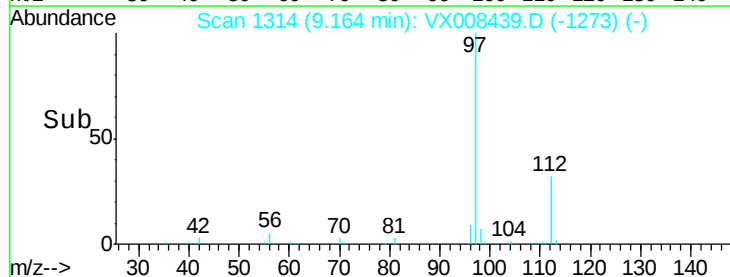
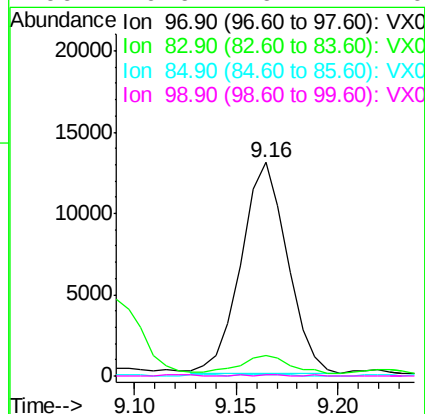
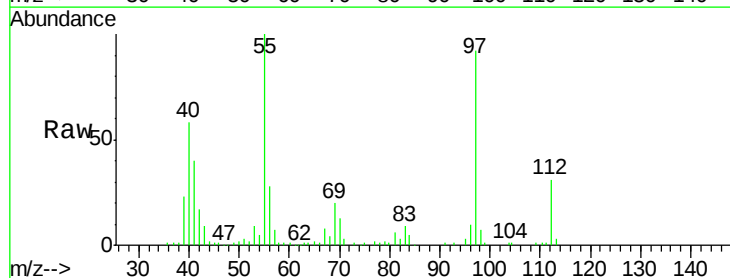
Ion Ratio Lower Upper

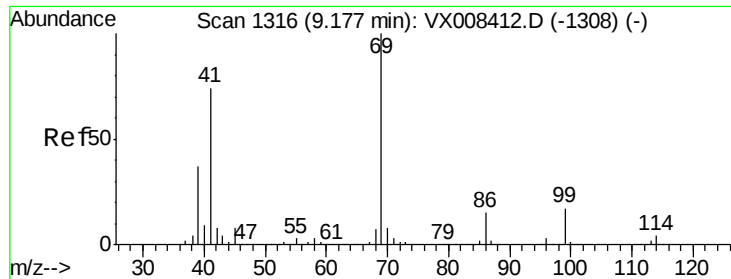
97 100

83 8.0 71.8 107.6#

85 0.5 45.9 68.9#

99 0.6 49.4 74.0#





#56

Ethyl methacrylate

Concen: 0.946 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

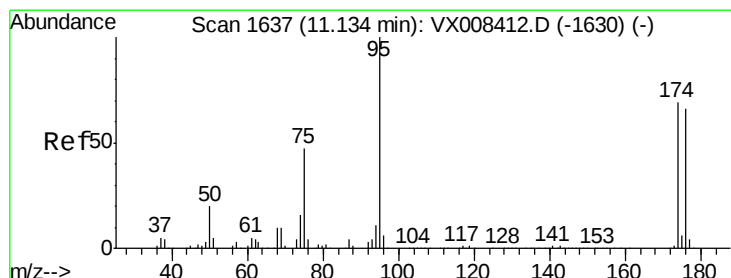
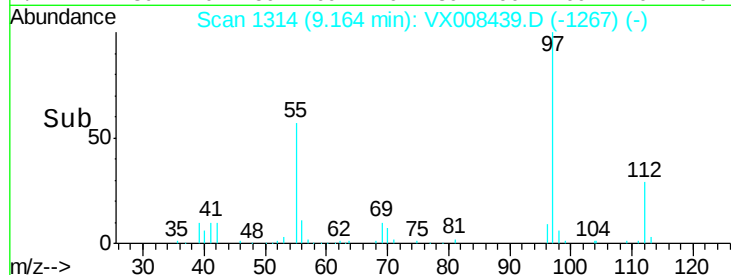
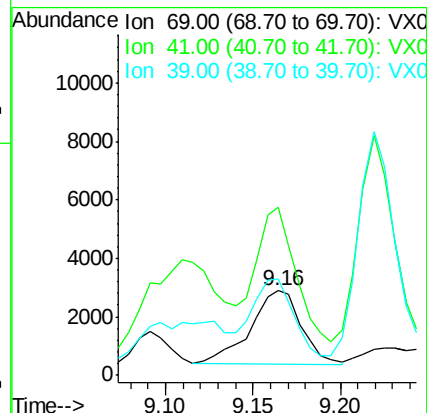
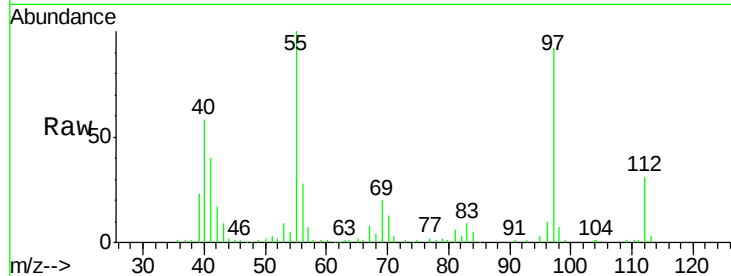
Tot Ion: 69 Resp: 5082

Ion Ratio Lower Upper

69 100

41 163.5 59.5 89.3#

39 80.7 29.3 43.9#



#62

4-Bromofluorobenzene

Concen: 45.675 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

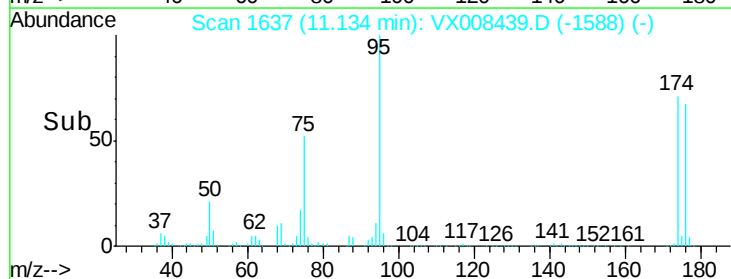
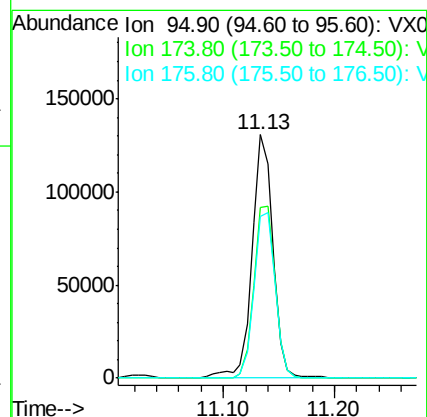
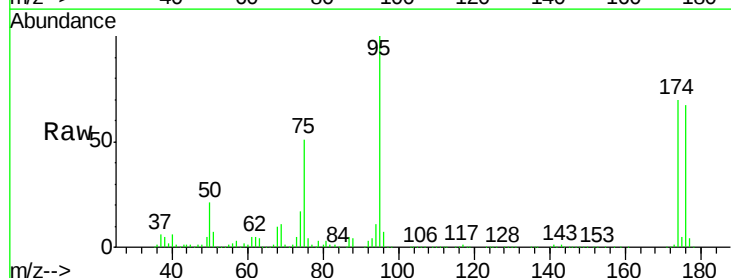
Tgt Ion: 95 Resp: 169088

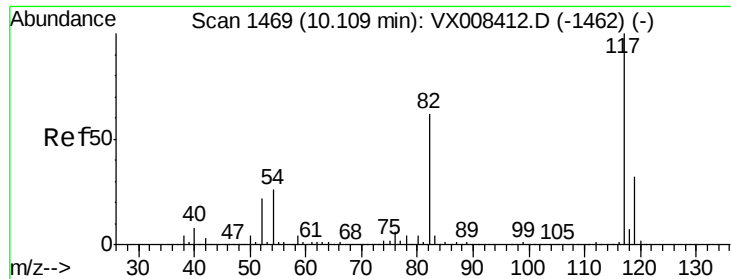
Ion Ratio Lower Upper

95 100

174 72.5 0.0 147.2

176 69.5 0.0 142.4

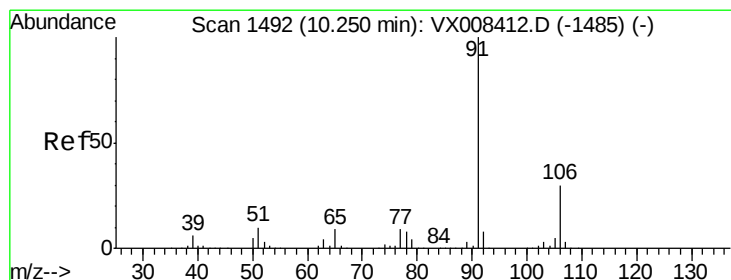
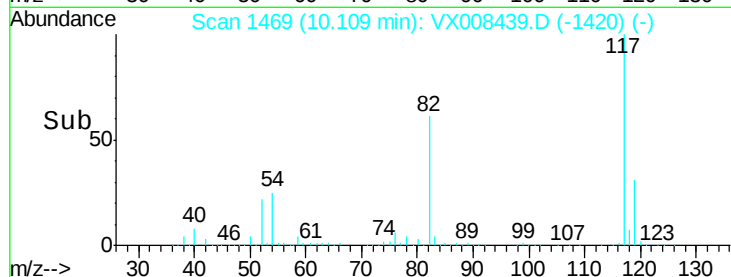
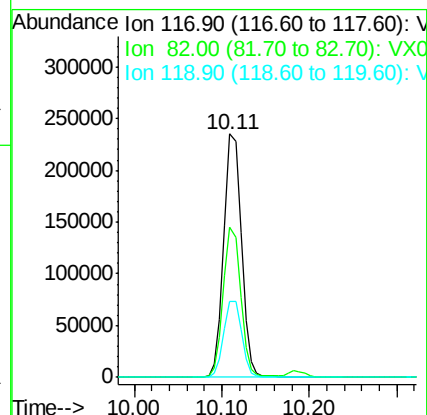
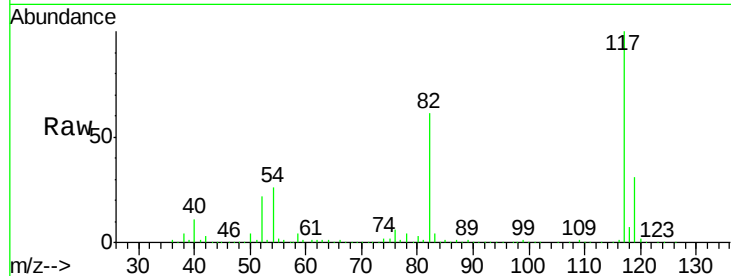




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008439.D
Acq: 26 Mar 2019 02:48

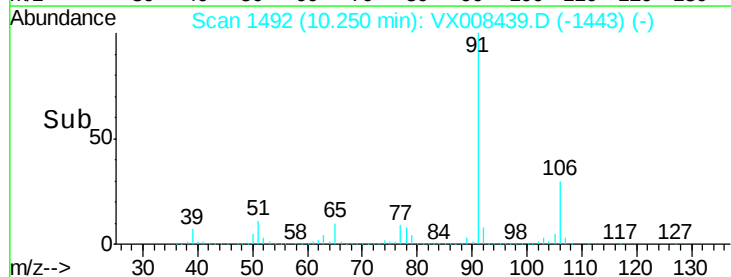
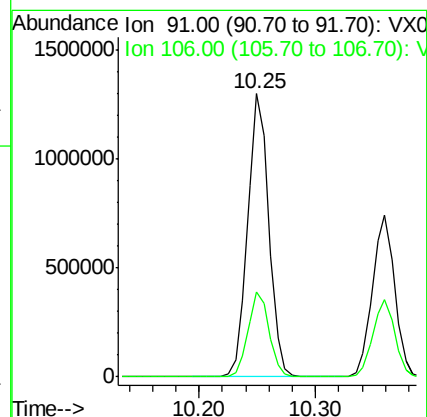
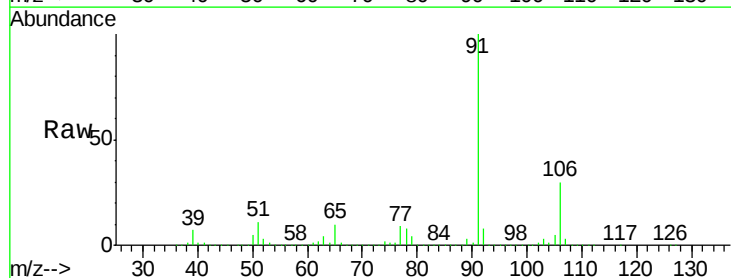
Instrument :
MSVOA_X
ClientSampleId :
MW-4

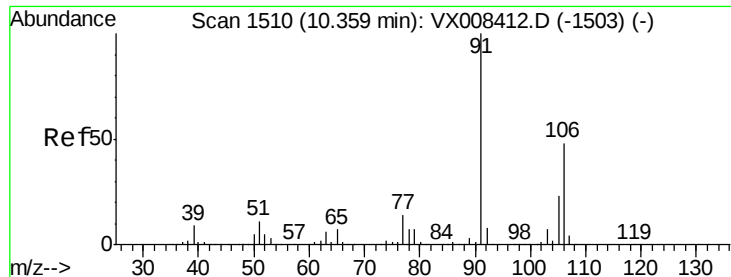
Tot Ion:117 Resp: 330521
Ion Ratio Lower Upper
117 100
82 61.4 49.4 74.2
119 31.2 25.4 38.0



#67
Ethyl Benzene
Concen: 121.825 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008439.D
Acq: 26 Mar 2019 02:48

Tgt Ion: 91 Resp: 1652624
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

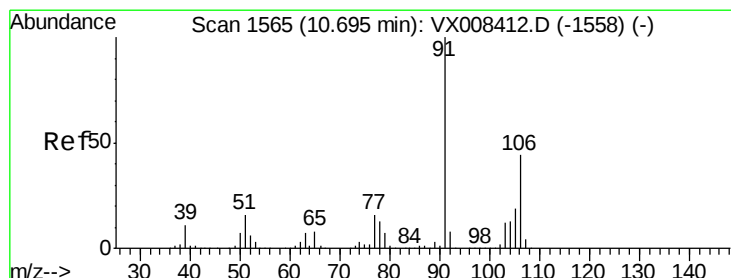
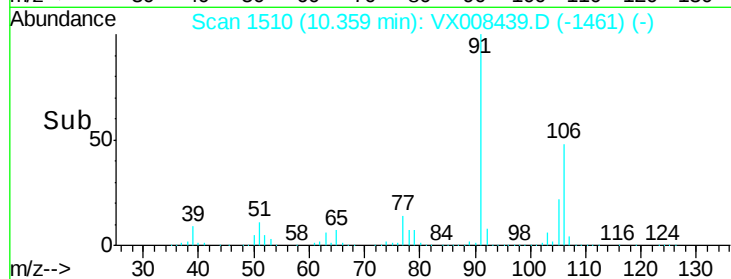
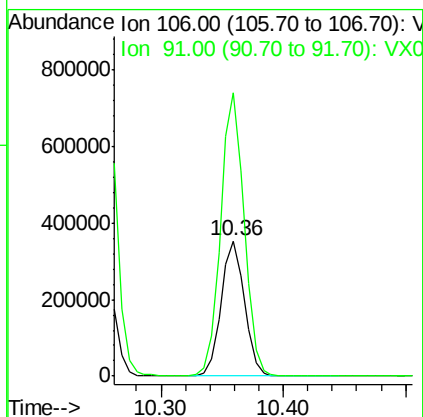
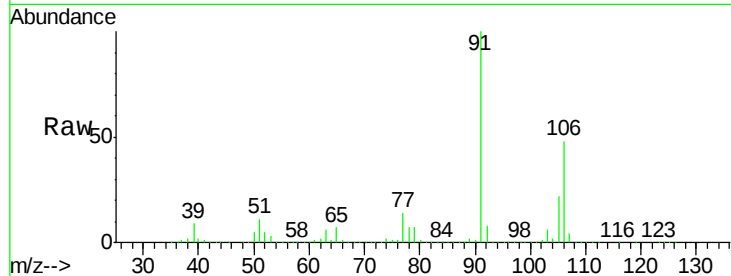




#68
m/p-Xylenes
Concen: 94.790 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008439.D
Acq: 26 Mar 2019 02:48

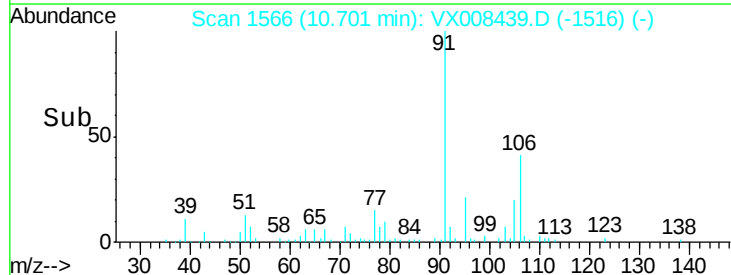
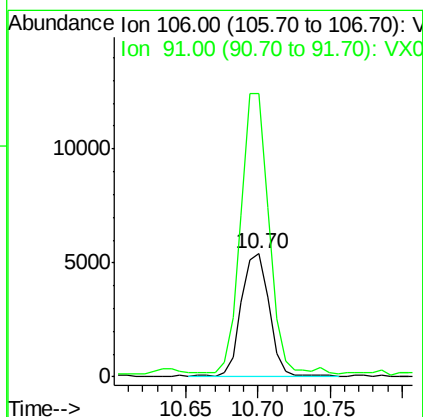
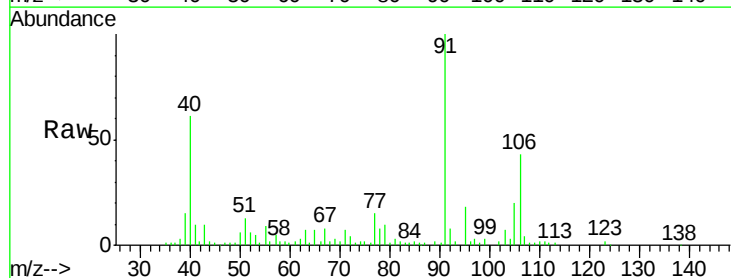
Instrument :
MSVOA_X
ClientSampled :
MW-4

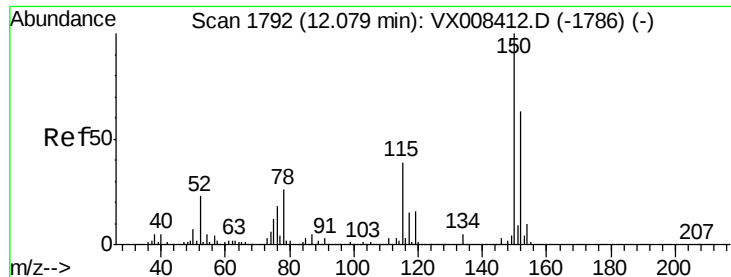
Tot Ion:106 Resp: 467796
Ion Ratio Lower Upper
106 100
91 210.6 168.6 253.0



#69
o-Xylene
Concen: 1.541 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008439.D
Acq: 26 Mar 2019 02:48

Tgt Ion:106 Resp: 7379
Ion Ratio Lower Upper
106 100
91 225.2 111.4 334.2



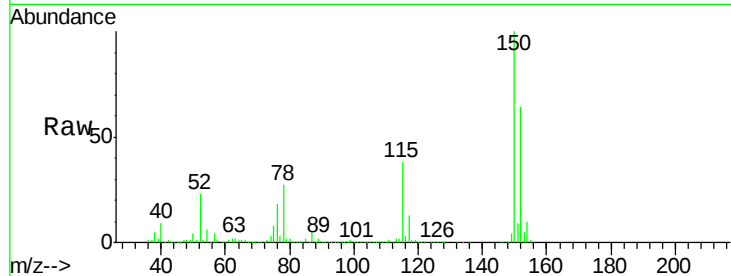


#72

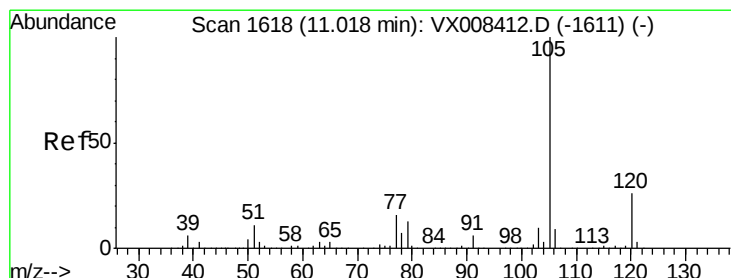
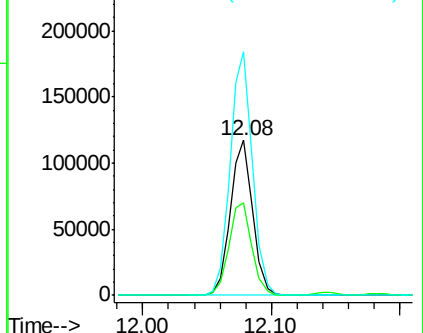
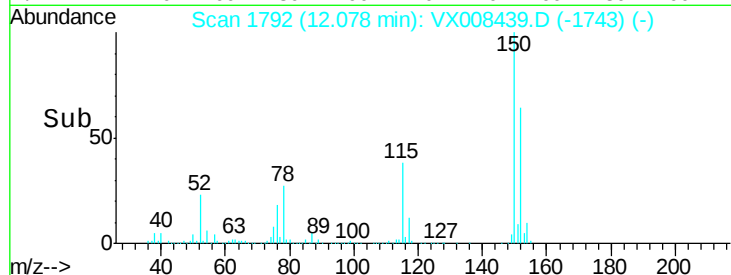
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008439.D
Acq: 26 Mar 2019 02:48

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion:152 Resp: 141585
Ion Ratio Lower Upper
152 100
115 61.3 43.5 130.5
150 157.5 0.0 348.8



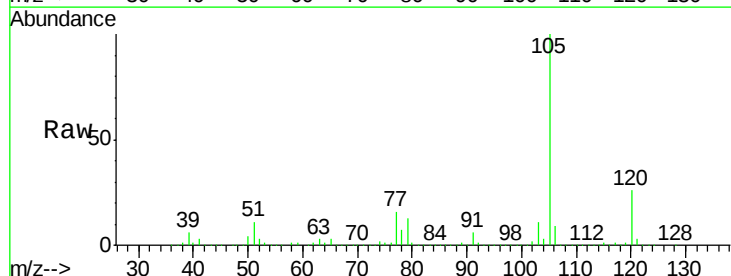
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



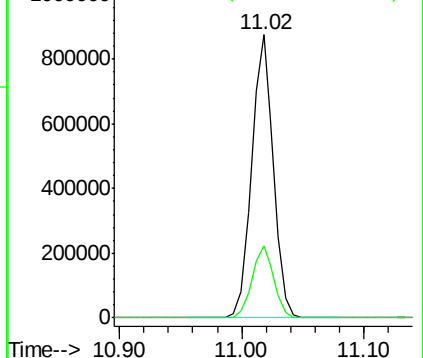
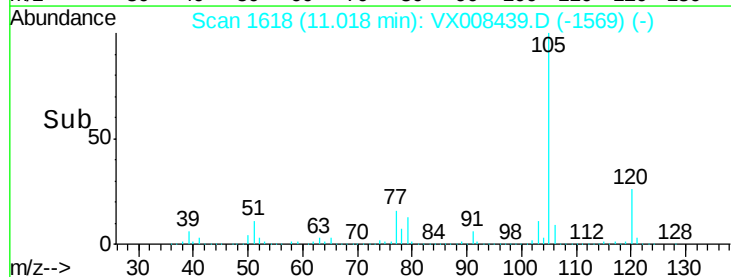
#73

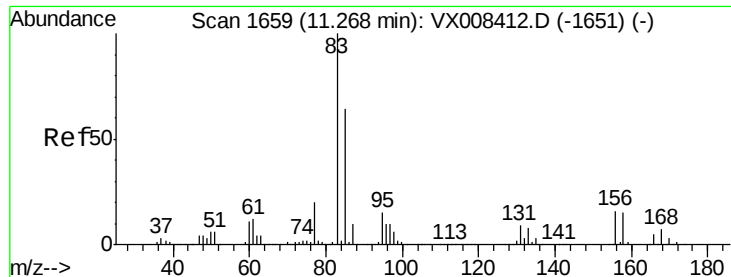
Isopropylbenzene
Concen: 93.164 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008439.D
Acq: 26 Mar 2019 02:48

Tgt Ion:105 Resp: 1073118
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.207 ug/l

RT: 11.21 min Scan# 1649

Delta R.T. -0.06 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

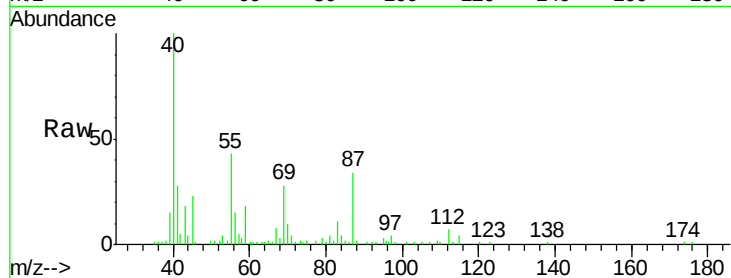
Tot Ion: 83 Resp: 925

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

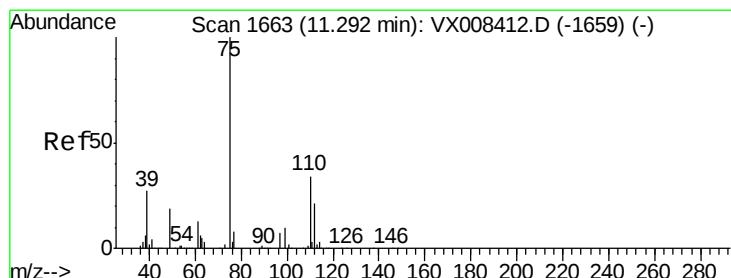
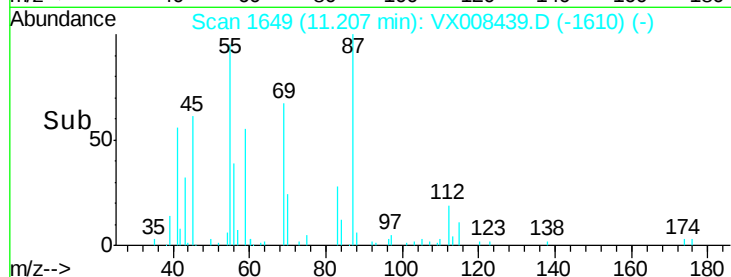
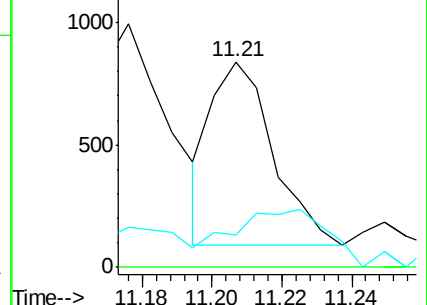
85 50.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.848 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX008439.D

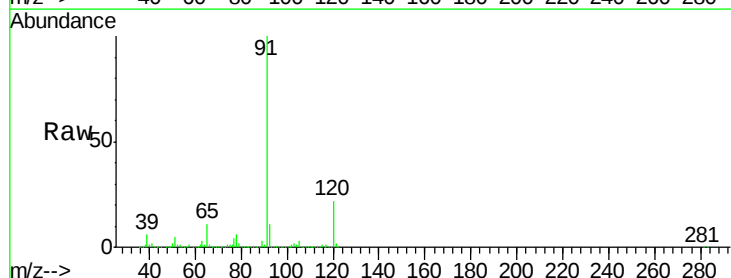
Acq: 26 Mar 2019 02:48

Tgt Ion: 75 Resp: 7778

Ion Ratio Lower Upper

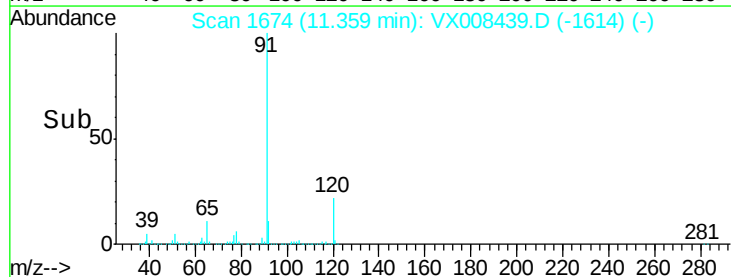
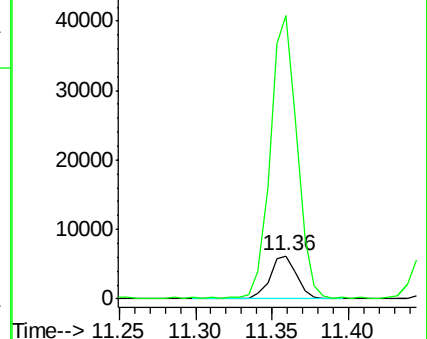
75 100

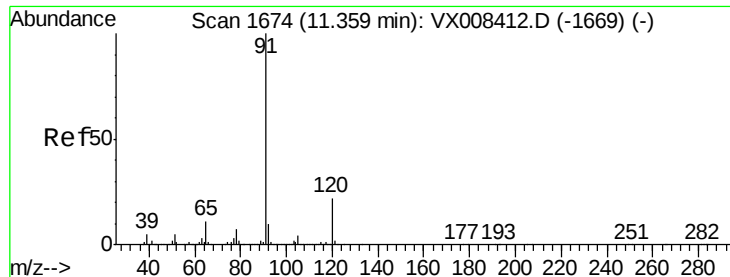
77 638.3 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 90.757 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

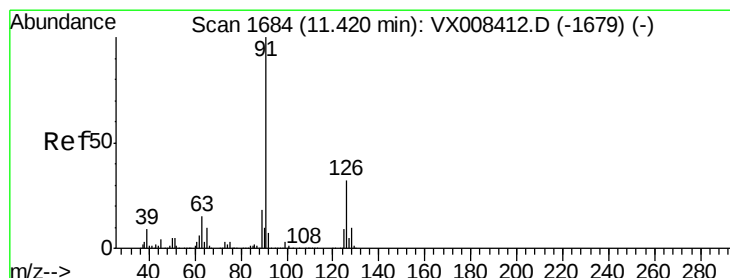
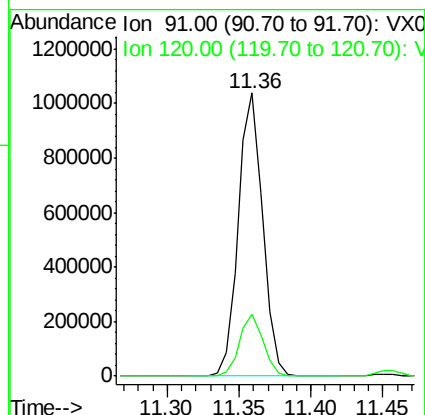
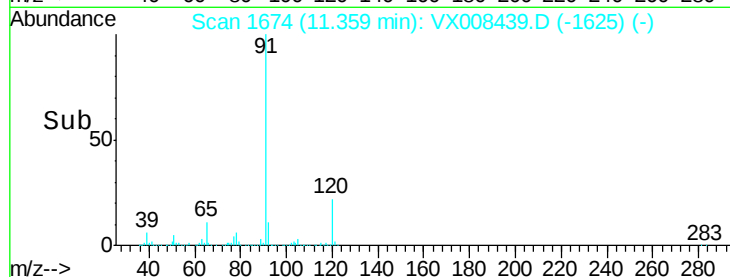
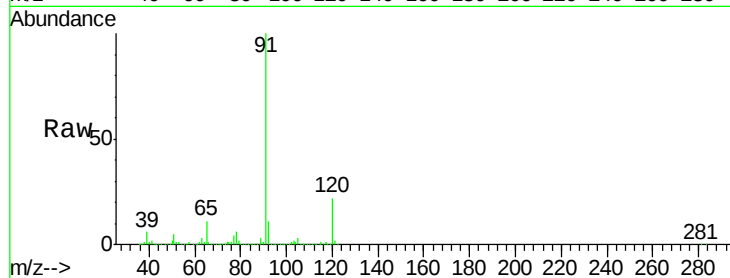
MW-4

Tot Ion: 91 Resp: 1224614

Ion Ratio Lower Upper

91 100

120 21.4 10.8 32.4



#79

2-Chlorotoluene

Concen: 149.214 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX008439.D

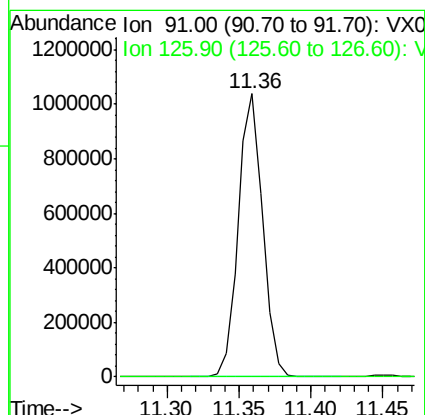
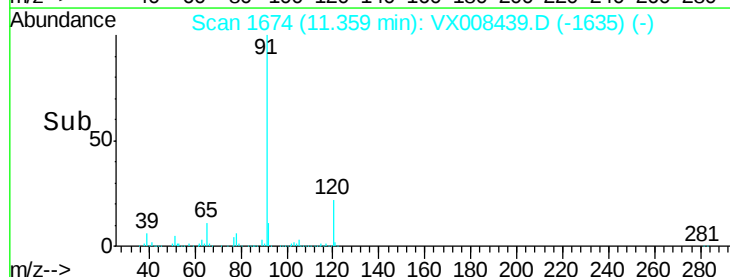
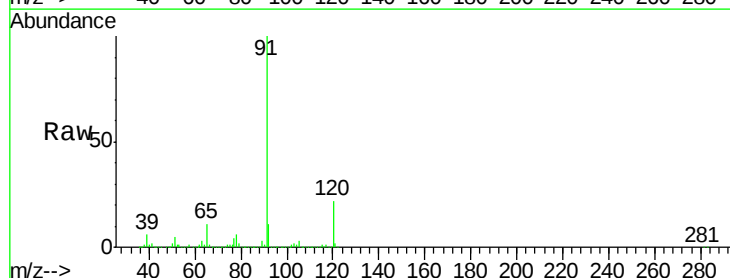
Acq: 26 Mar 2019 02:48

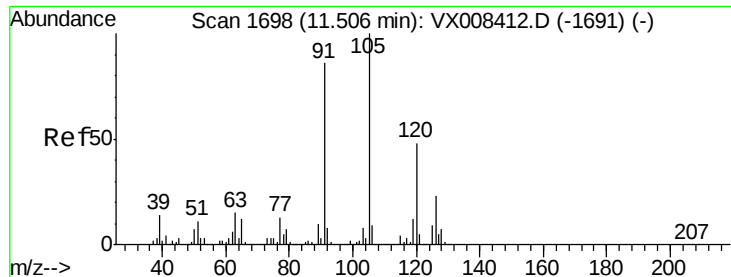
Tgt Ion: 91 Resp: 1224614

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#

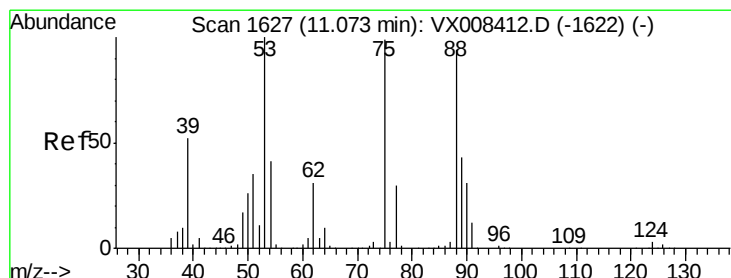
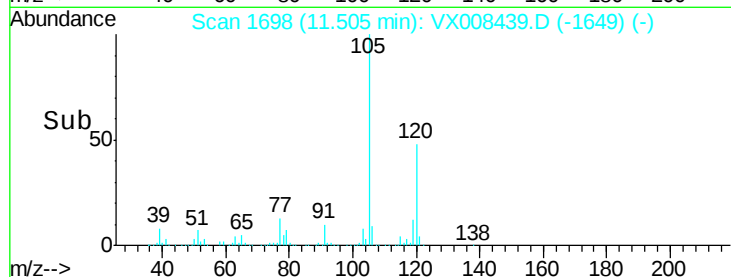
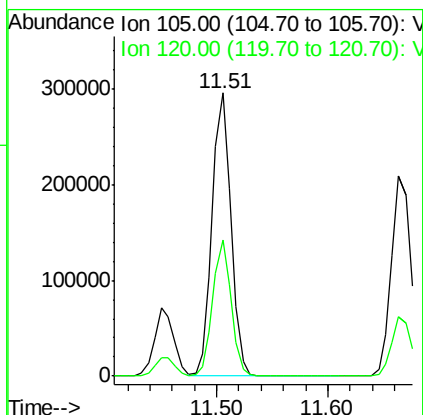
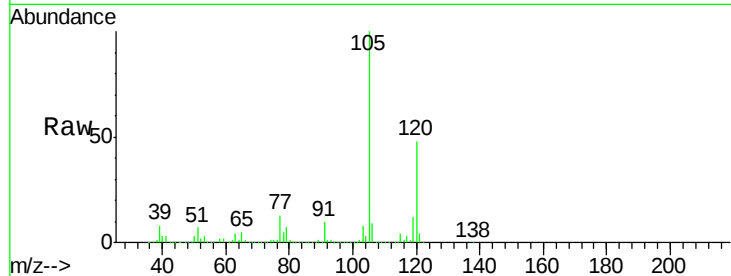




#80
 1,3,5-Trimethylbenzene
 Concen: 35.827 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

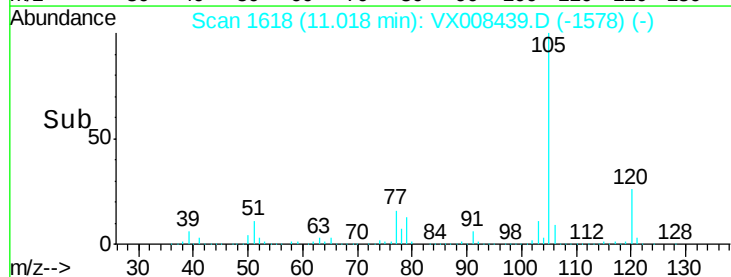
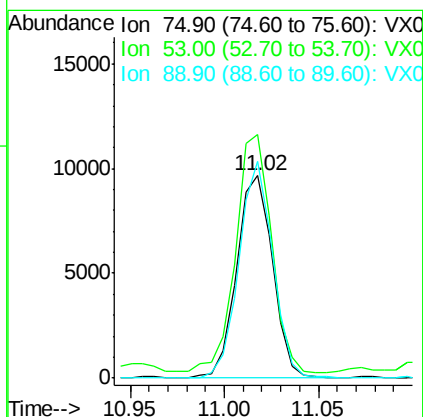
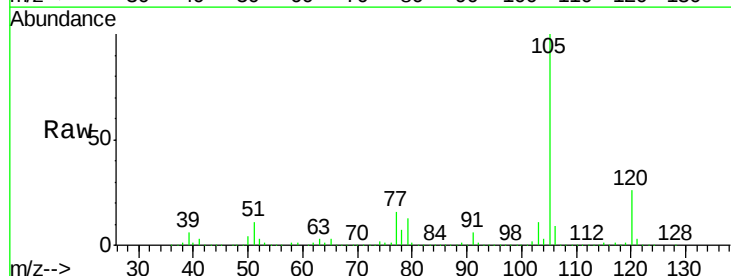
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

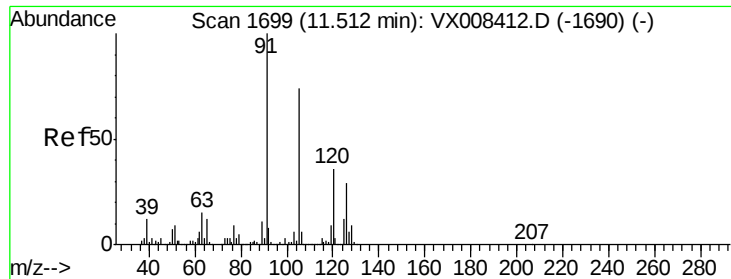
Tot Ion:105 Resp: 348883
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.744 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX008439.D
 Acq: 26 Mar 2019 02:48

Tgt Ion: 75 Resp: 12806
 Ion Ratio Lower Upper
 75 100
 53 117.5 82.1 123.1
 89 100.9 34.6 52.0#





#82

4-Chlorotoluene

Concen: 129.357 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

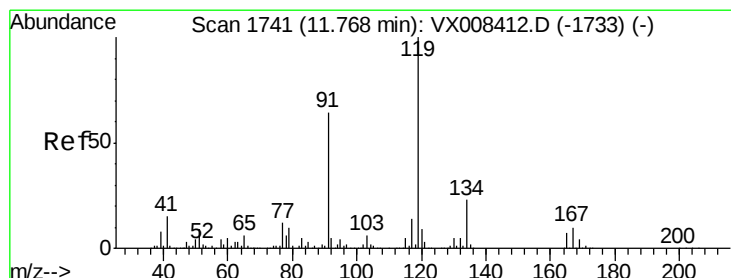
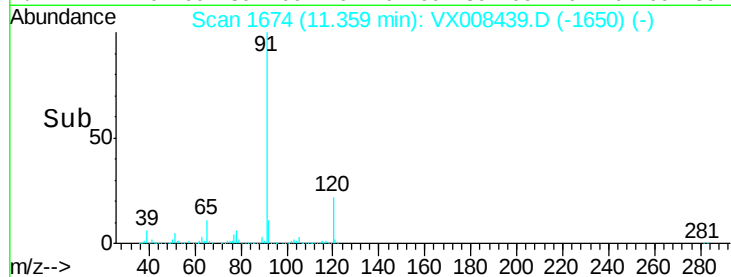
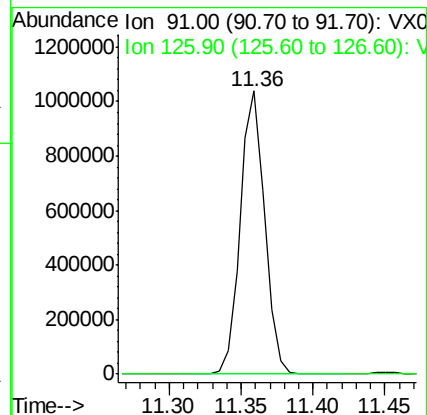
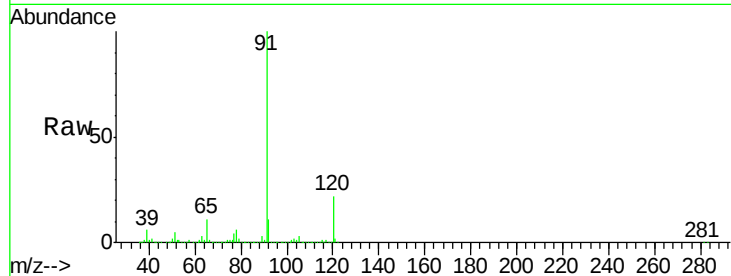
MW-4

Tot Ion: 91 Resp: 1224614

Ion Ratio Lower Upper

91 100

126 0.0 13.9 41.7#



#83

tert-Butylbenzene

Concen: 1.092 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

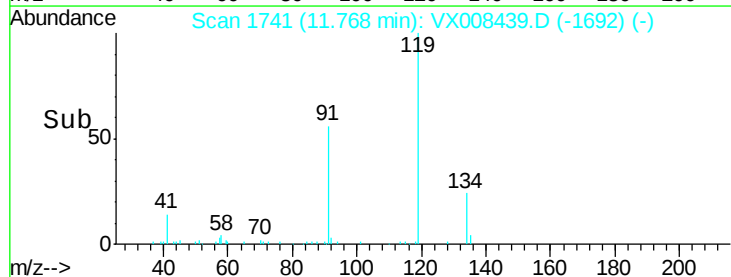
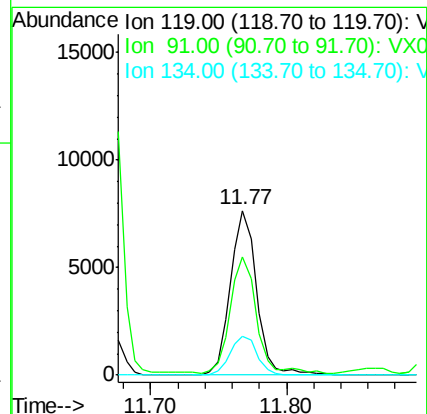
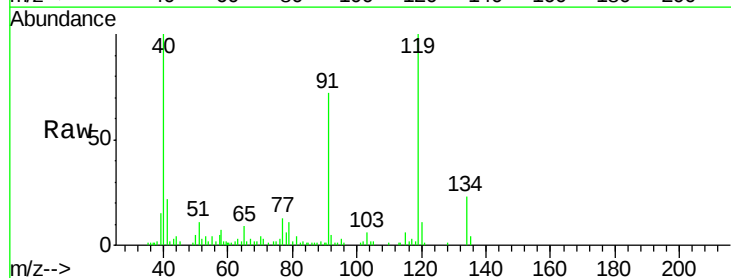
Tgt Ion: 119 Resp: 10258

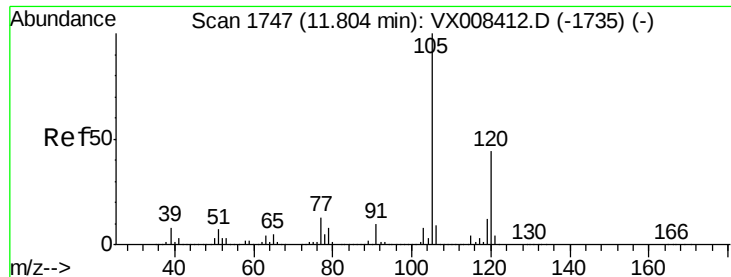
Ion Ratio Lower Upper

119 100

91 71.3 30.1 90.3

134 24.0 10.9 32.9





#84

1,2,4-Trimethylbenzene

Concen: 26.050 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. -0.14 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampleId :

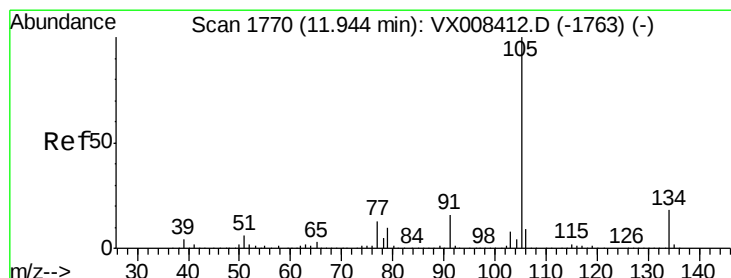
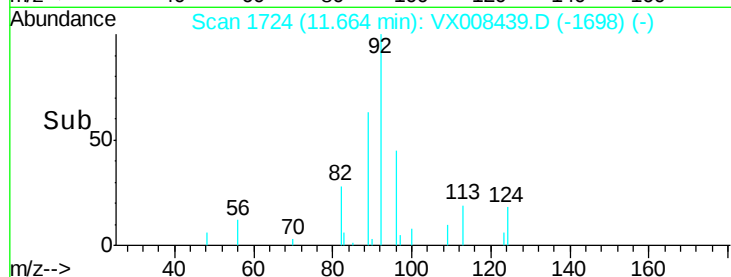
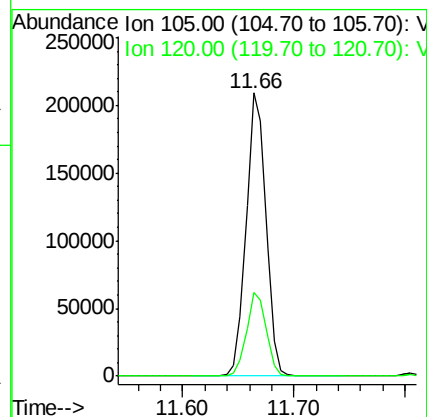
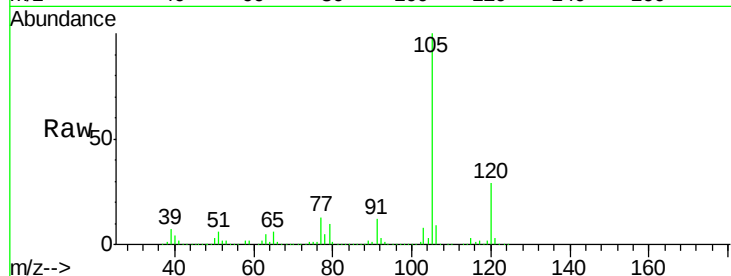
MW-4

Tot Ion:105 Resp: 256585

Ion Ratio Lower Upper

105 100

120 29.4 21.6 65.0



#85

sec-Butylbenzene

Concen: 5.549 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008439.D

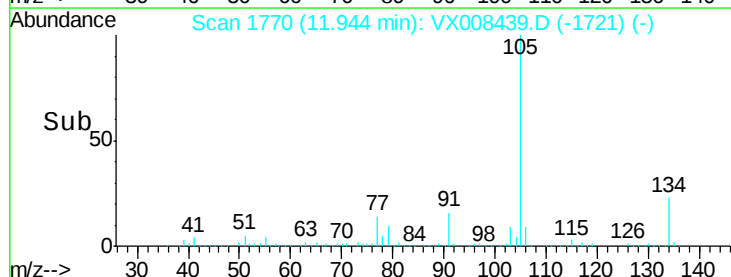
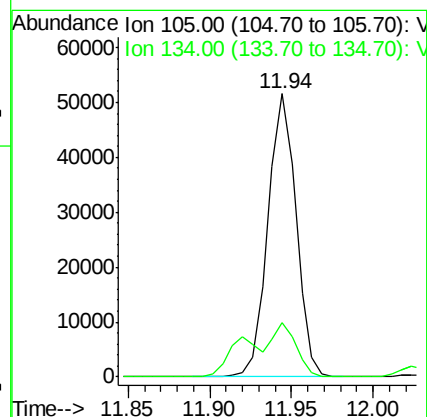
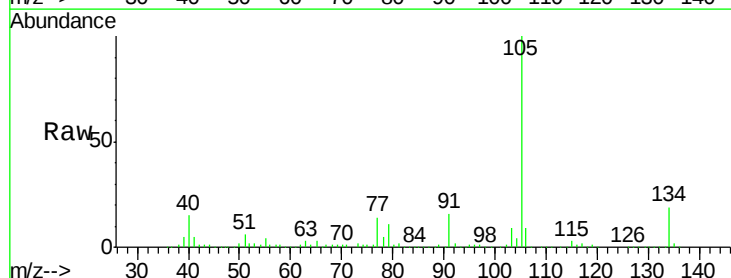
Acq: 26 Mar 2019 02:48

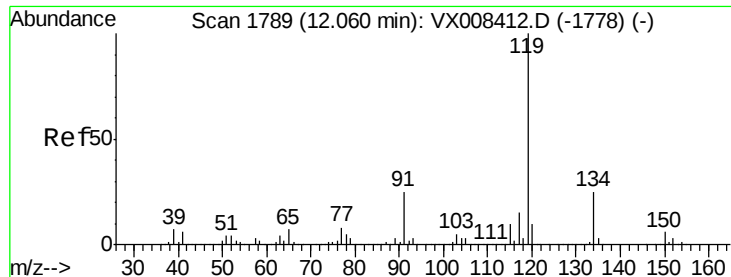
Tgt Ion:105 Resp: 62083

Ion Ratio Lower Upper

105 100

134 16.7 9.3 28.0





#86

p-Isopropyltoluene

Concen: 0.944 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

MW-4

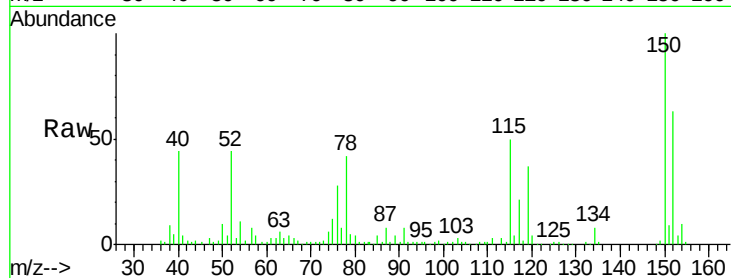
Tot Ion:119 Resp: 9323

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.4

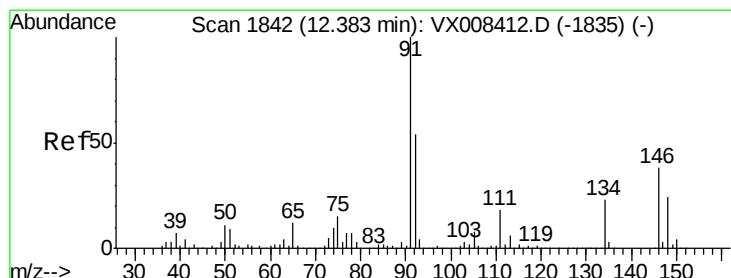
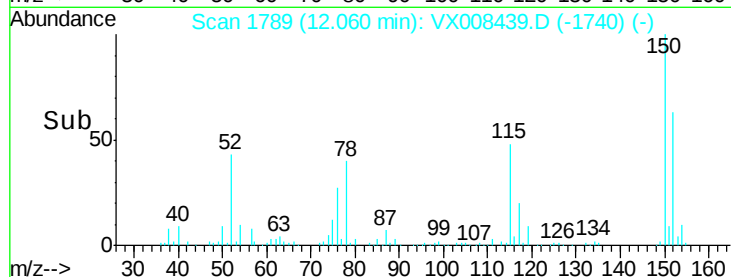
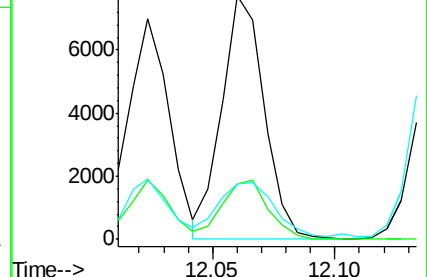
91 0.0 12.4 37.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 7.409 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

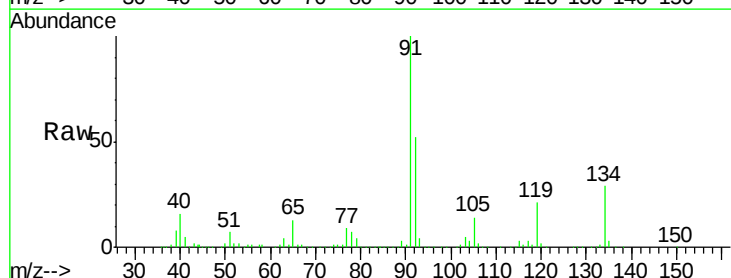
Tgt Ion: 91 Resp: 69295

Ion Ratio Lower Upper

91 100

92 43.3 26.5 79.5

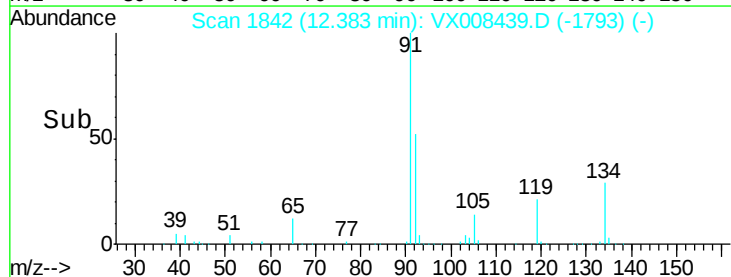
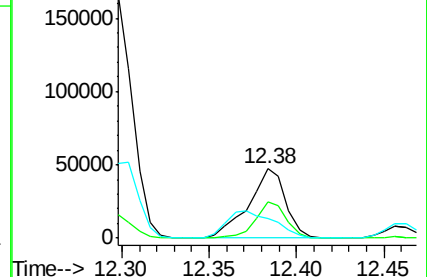
134 51.0 11.8 35.4#

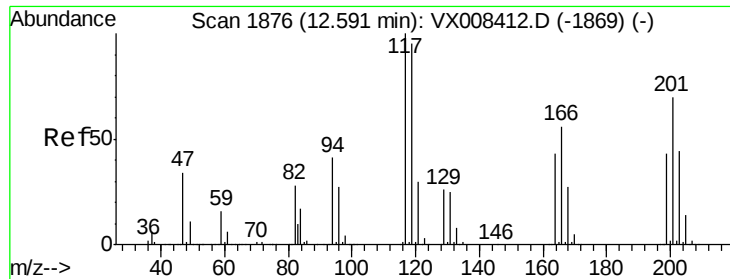


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 23.157 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

Instrument :

MSVOA_X

ClientSampled :

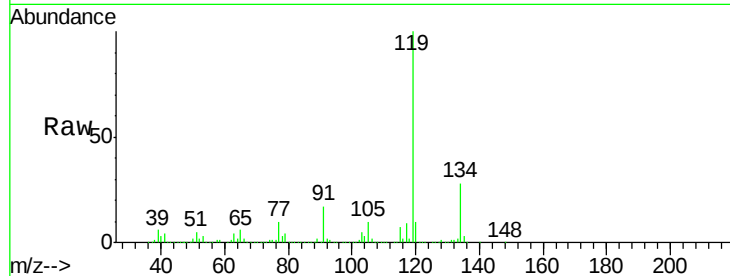
MW-4

Tot Ion:117 Resp: 38088

Ion Ratio Lower Upper

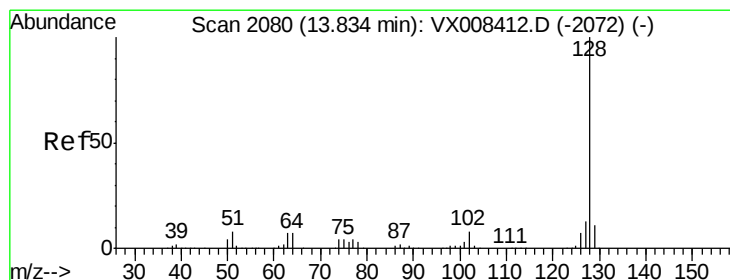
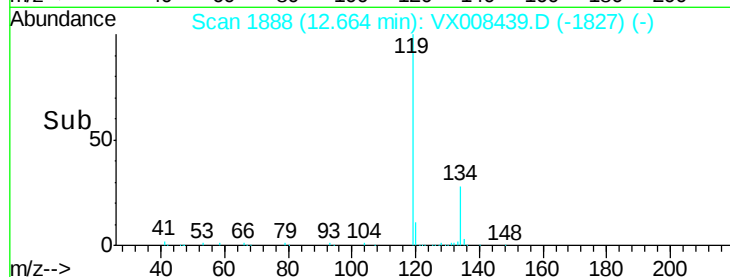
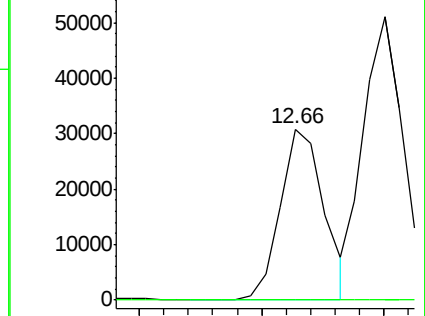
117 100

201 0.0 39.4 118.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 16.033 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008439.D

Acq: 26 Mar 2019 02:48

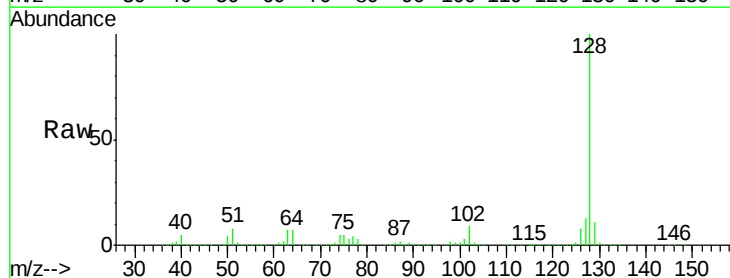
Tgt Ion:128 Resp: 185113

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 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

