

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008401.D
 Acq On : 24 Mar 2019 18:48
 Operator : JC/SP
 Sample : K1945-12 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T4-UV(POST-HYPO)

Quant Time: Mar 25 05:47:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	402061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	361935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152372	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	167841	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
35) Dibromofluoromethane	5.49	113	125928	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.71	98	520953	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	180264	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

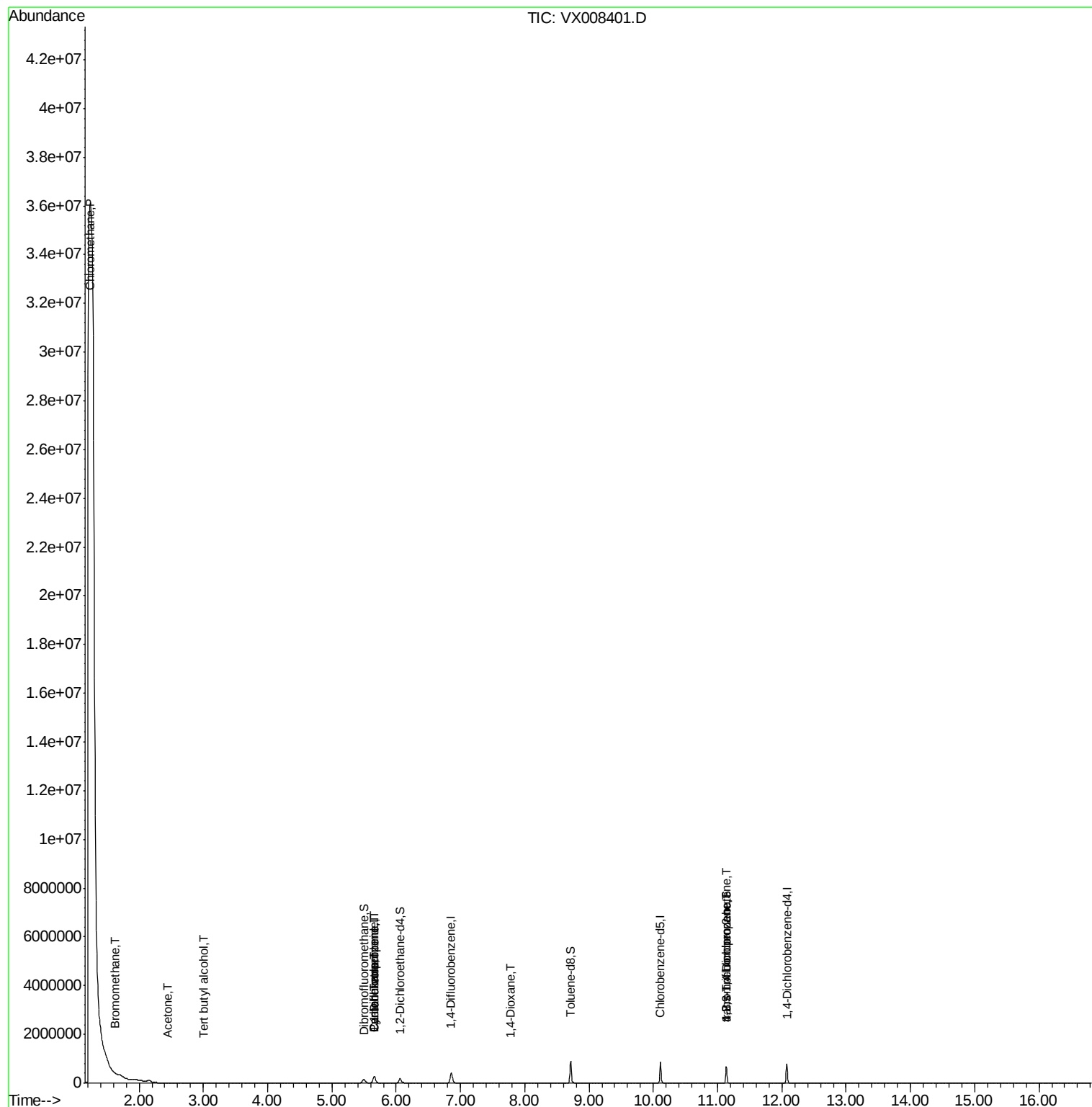
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.23	50	7993291	1998.989	ug/l #	43
5) Bromomethane	1.64	94	822	0.334	ug/l	96
11) Tert butyl alcohol	3.00	59	168	0.208	ug/l #	83
16) Acetone	2.44	43	1293	0.712	ug/l	94
31) Cyclohexane	5.66	56	5698	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20710	5.041	ug/l #	49
38) Carbon Tetrachloride	5.66	117	24353	6.915	ug/l #	15
49) 1,4-Dioxane	7.78	88	20	0.227	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	93071	23.336	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	93071	66.501	ug/l #	12

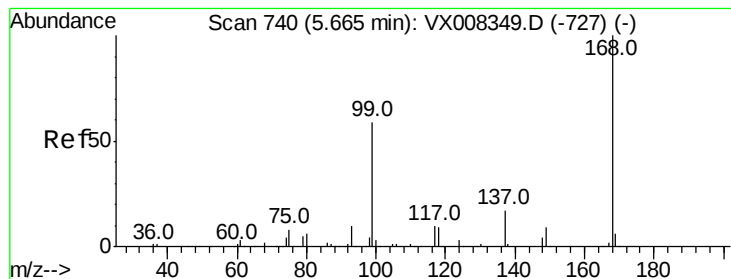
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

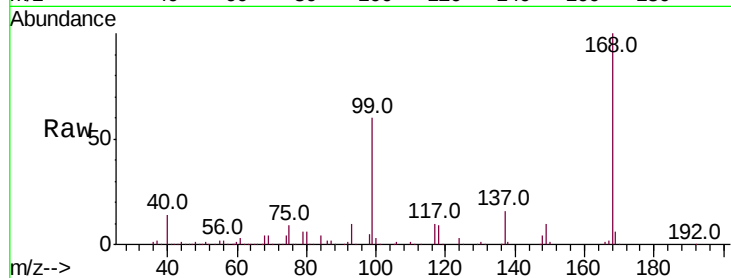
M4-T4-UV(POST-HYPO)

Tot Ion:168 Resp: 238277

Ion Ratio Lower Upper

168 100

99 60.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX008349.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX008349.D (-727) (-)

5.66

80000

60000

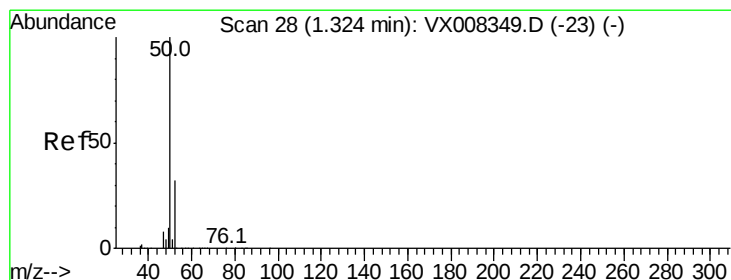
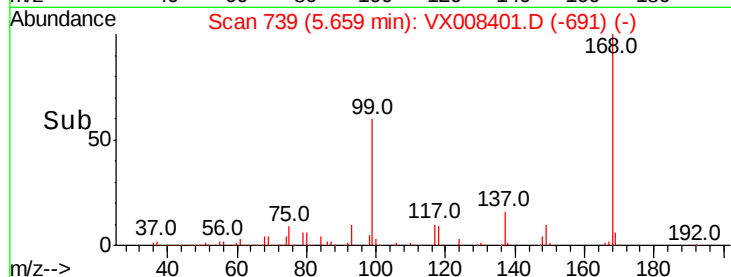
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 1998.989 ug/l

RT: 1.23 min Scan# 13

Delta R.T. -0.09 min

Lab File: VX008401.D

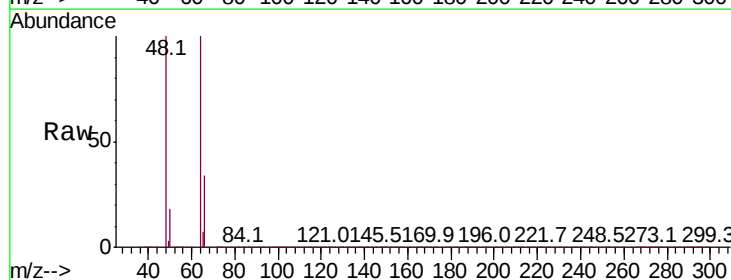
Acq: 24 Mar 2019 18:48

Tgt Ion: 50 Resp: 7993291

Ion Ratio Lower Upper

50 100

52 0.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX008349.D (-23) (-)

Ion 51.90 (51.60 to 52.60): VX008349.D (-23) (-)

1.23

1500000

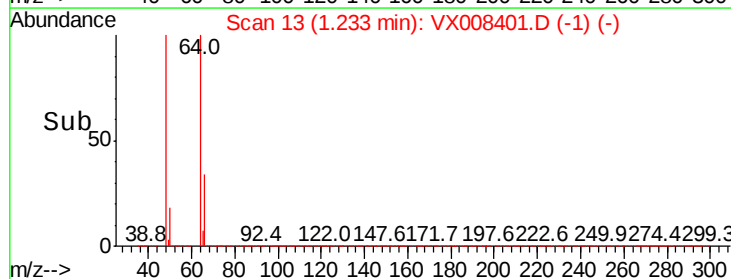
1000000

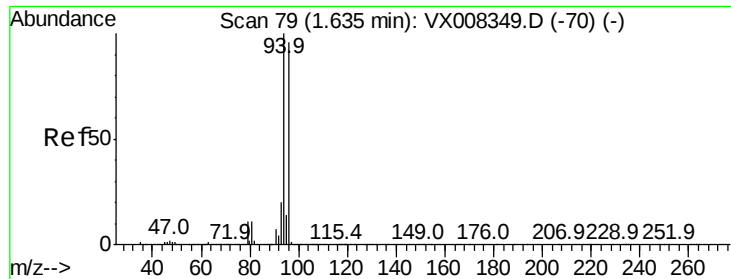
500000

0

Time-->

1.00 1.20 1.40 1.60





#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

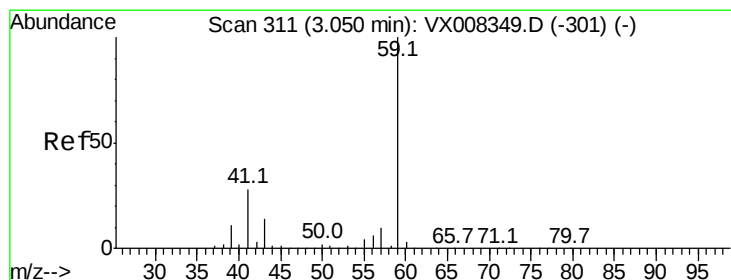
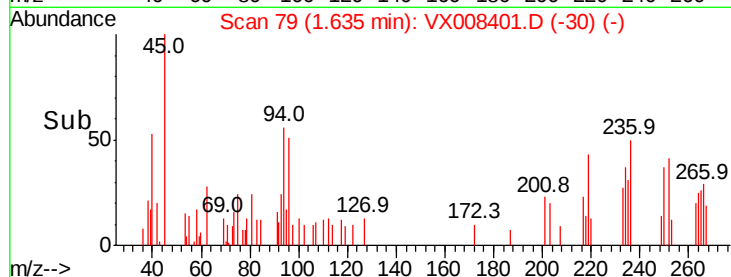
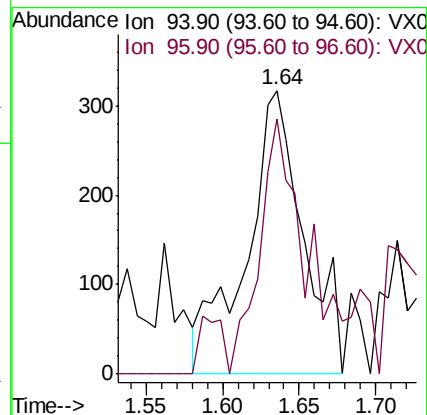
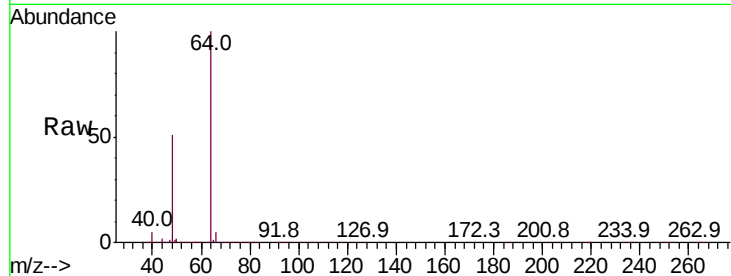
M4-T4-UV(POST-HYPO)

Tot Ion: 94 Resp: 822

Ion Ratio Lower Upper

94 100

96 90.2 75.5 113.3



#11

Tert butyl alcohol

Concen: 0.208 ug/l

RT: 3.00 min Scan# 303

Delta R.T. -0.05 min

Lab File: VX008401.D

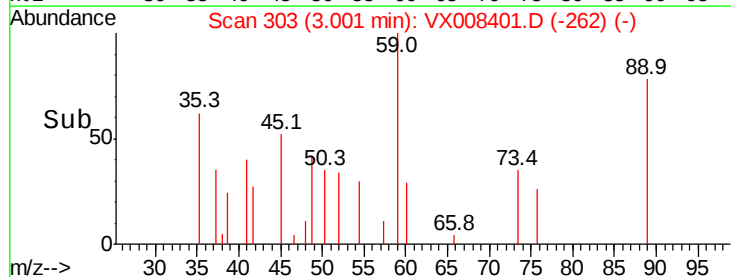
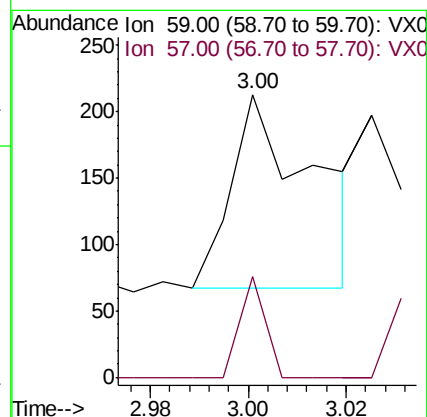
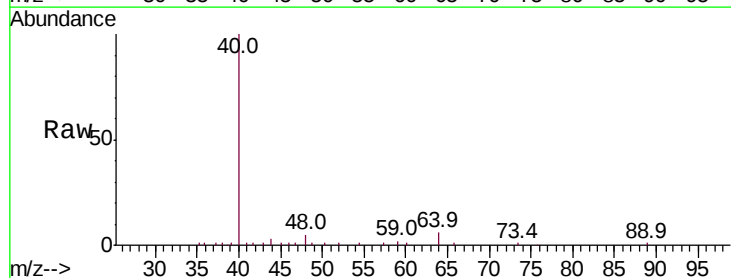
Acq: 24 Mar 2019 18:48

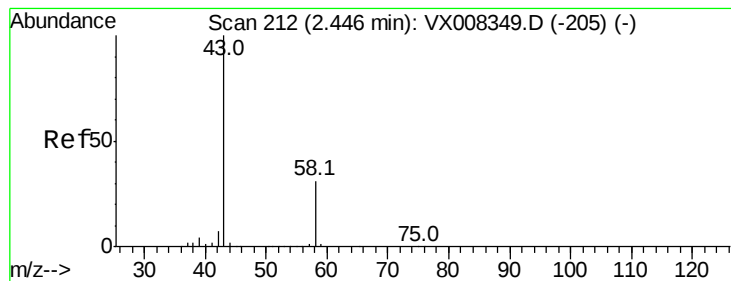
Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

59 100

57 16.7 8.2 12.2#





#16

Acetone

Concen: 0.712 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

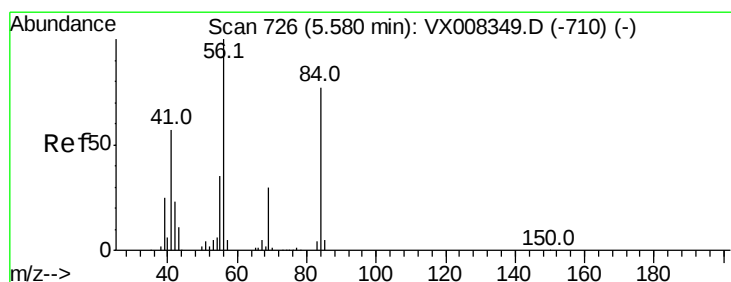
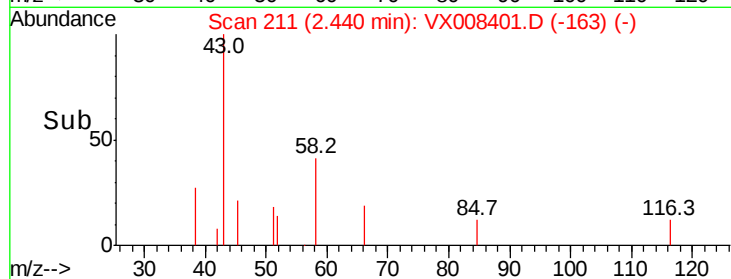
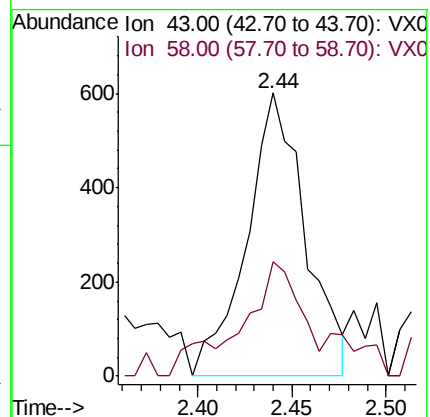
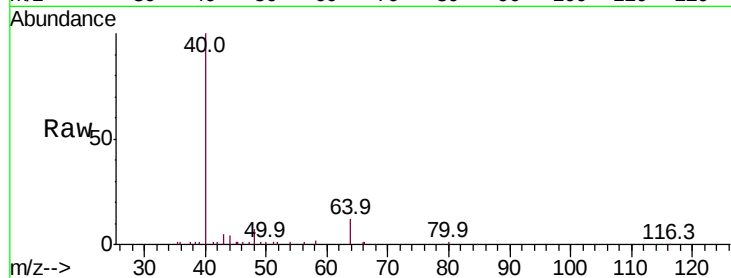
M4-T4-UV(POST-HYPO)

Tot Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 28.8 25.5 38.3



#31

Cyclohexane

Concen: 0.997 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

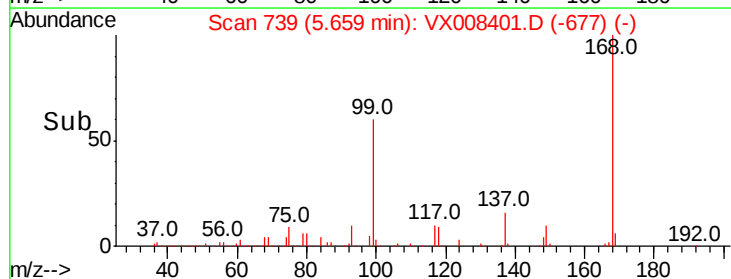
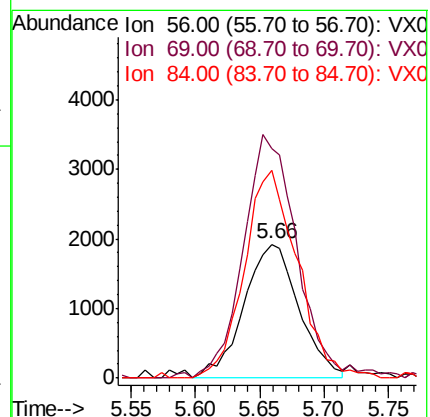
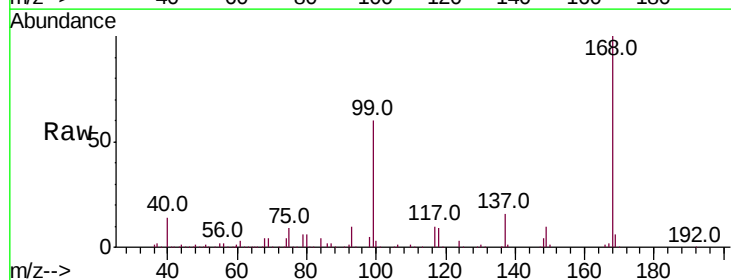
Tgt Ion: 56 Resp: 5698

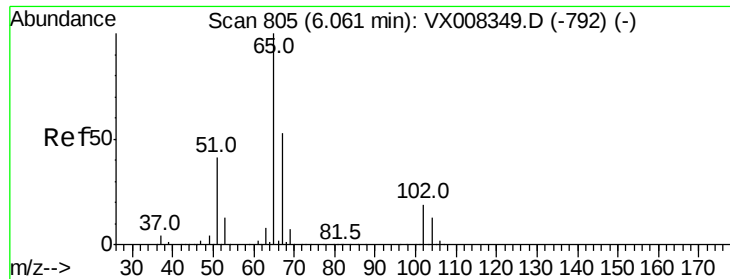
Ion Ratio Lower Upper

56 100

69 170.9 24.0 36.0#

84 154.6 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 46.184 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

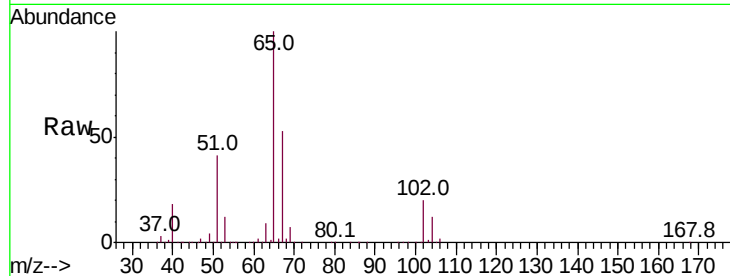
M4-T4-UV(POST-HYPO)

Tot Ion: 65 Resp: 167841

Ion Ratio Lower Upper

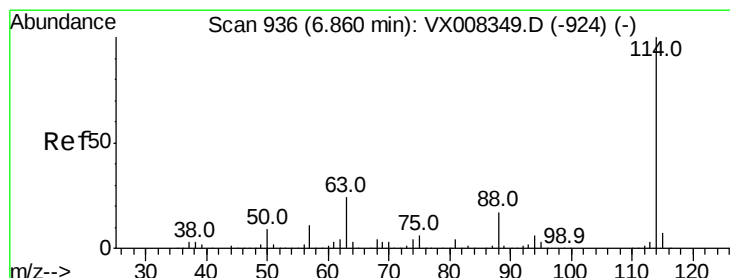
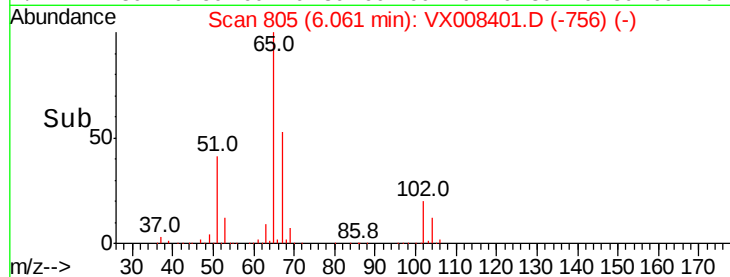
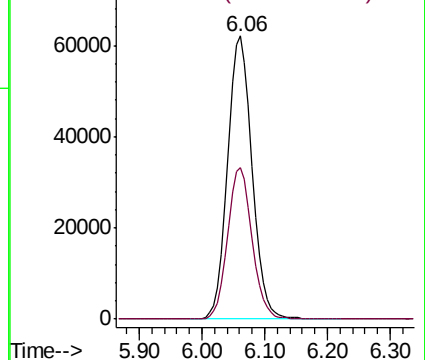
65 100

67 53.4 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: VX008401.D

Acq: 24 Mar 2019 18:48

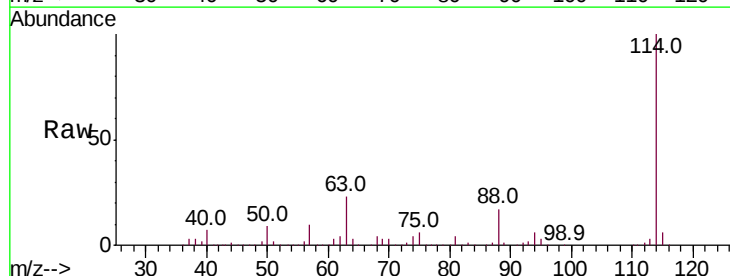
Tgt Ion:114 Resp: 402061

Ion Ratio Lower Upper

114 100

63 22.9 0.0 39.8

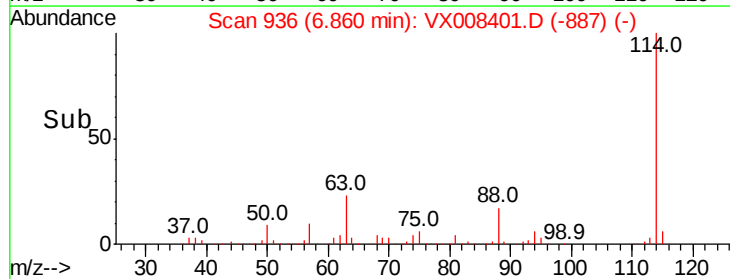
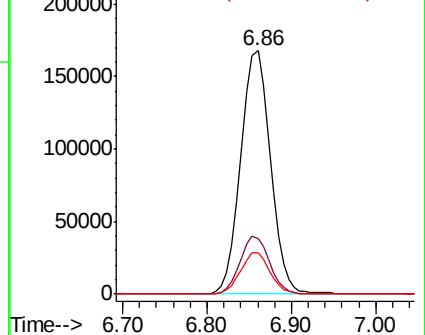
88 17.0 0.0 31.4

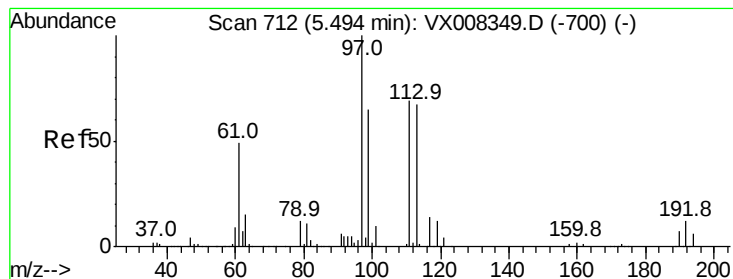


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.342 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

M4-T4-UV(POST-HYPO)

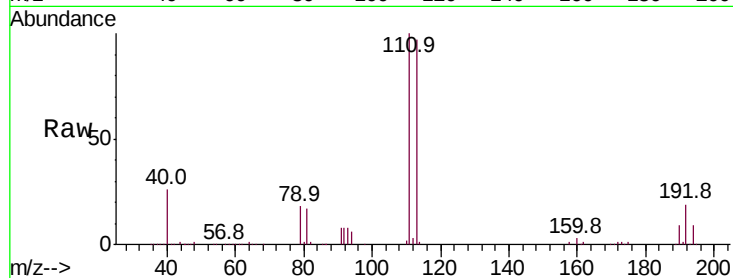
Tot Ion:113 Resp: 125928

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

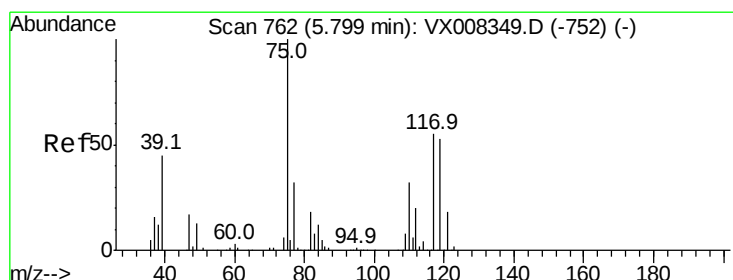
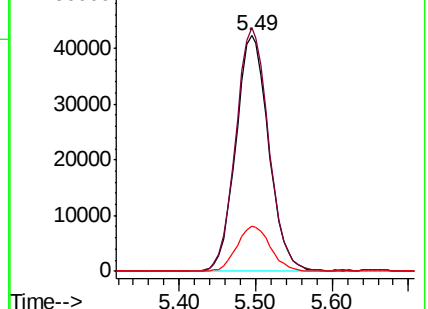
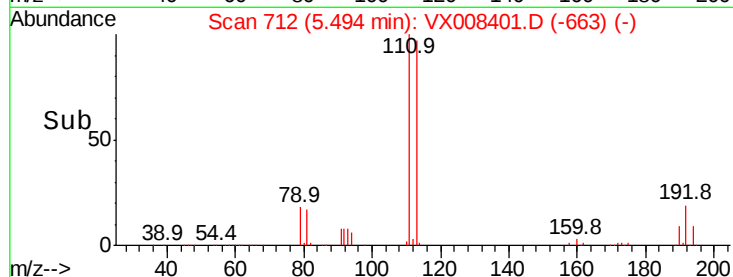
192 19.5 19.4 29.0



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: 5.041 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

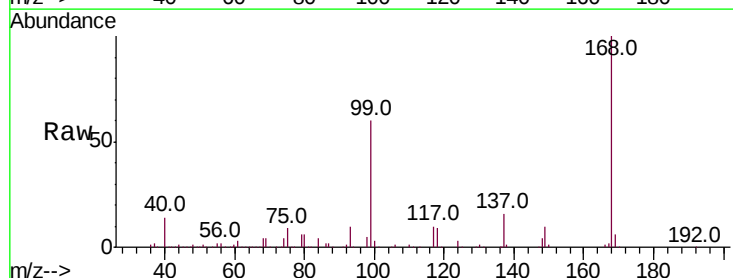
Tgt Ion: 75 Resp: 20710

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.0#

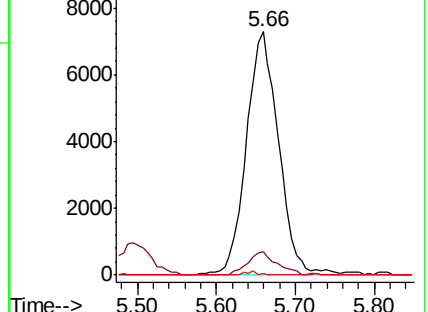
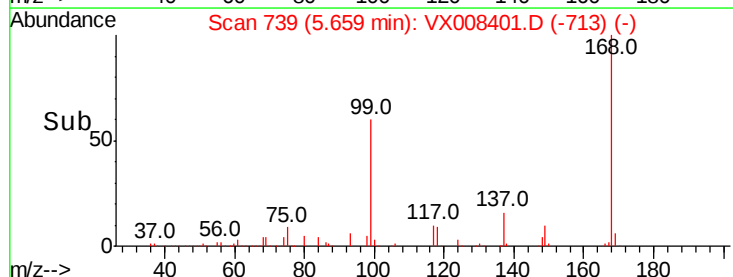
77 0.5 25.0 37.4#

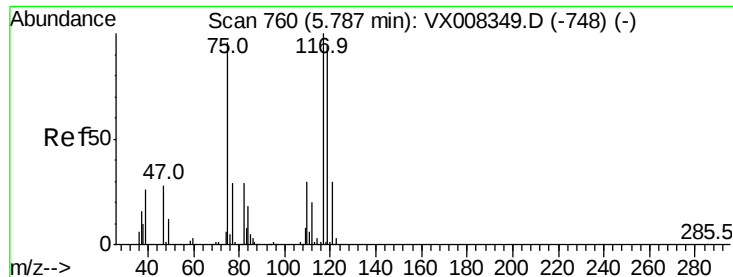


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.915 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

M4-T4-UV(POST-HYPO)

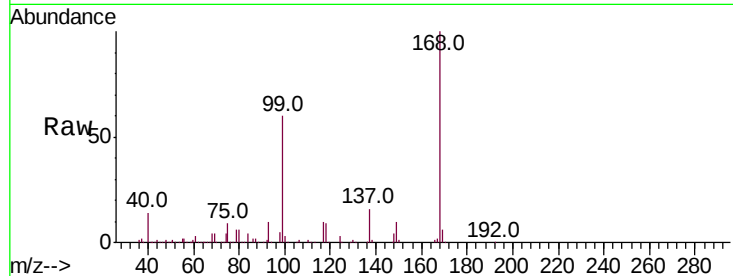
Tot Ion:117 Resp: 24353

Ion Ratio Lower Upper

117 100

119 3.6 76.2 114.2#

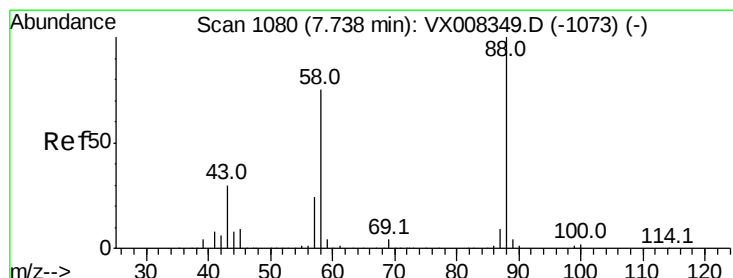
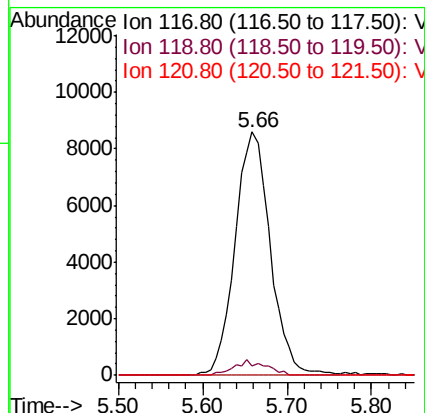
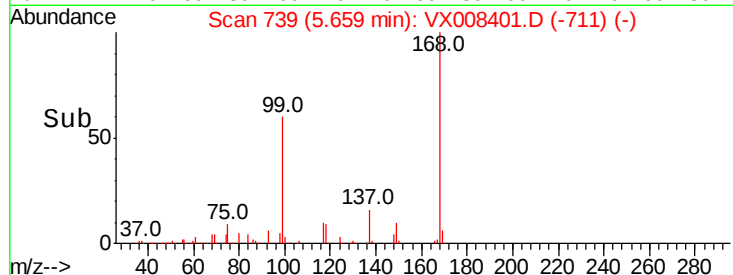
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.227 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX008401.D

Acq: 24 Mar 2019 18:48

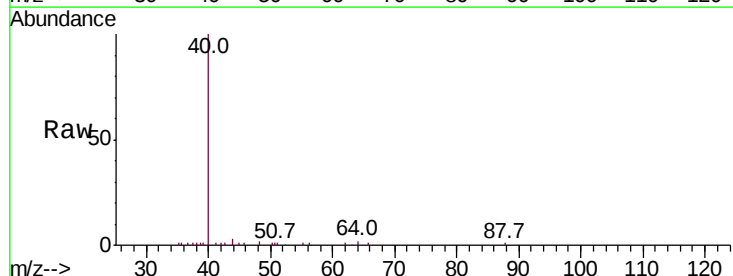
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 605.0 25.1 37.7#

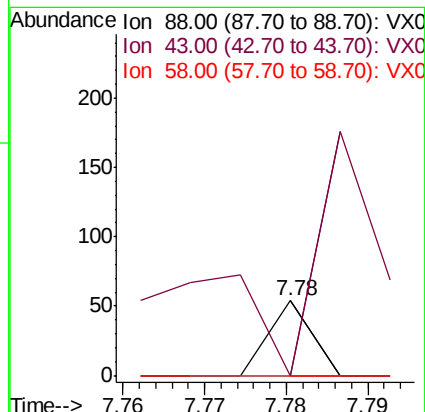
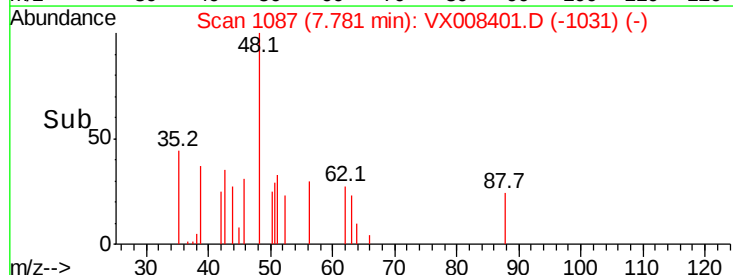
58 0.0 57.8 86.6#

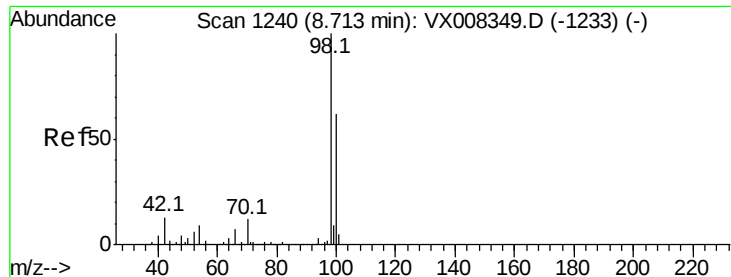


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

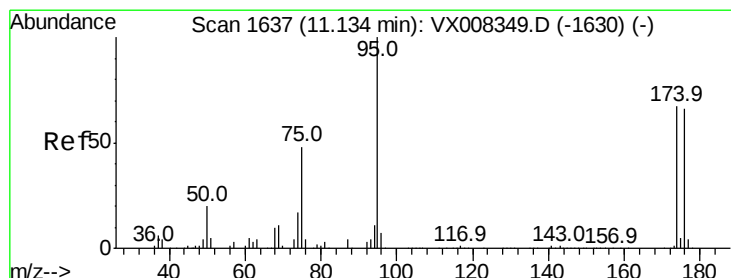
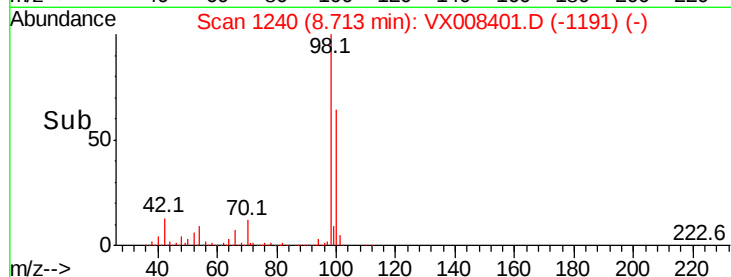
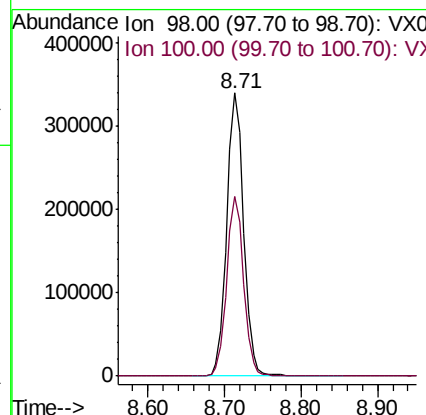
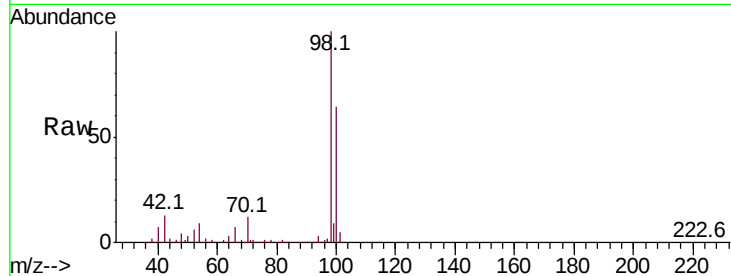




#50
Toluene-d8
Concen: 50.562 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008401.D
Acq: 24 Mar 2019 18:48

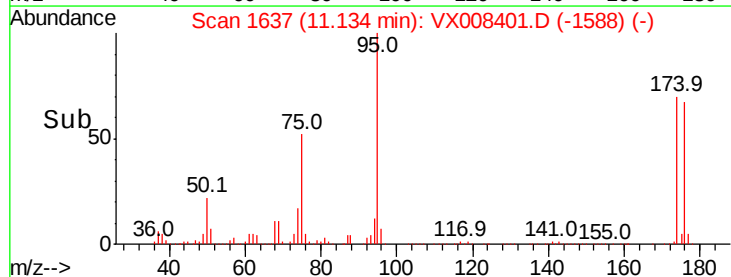
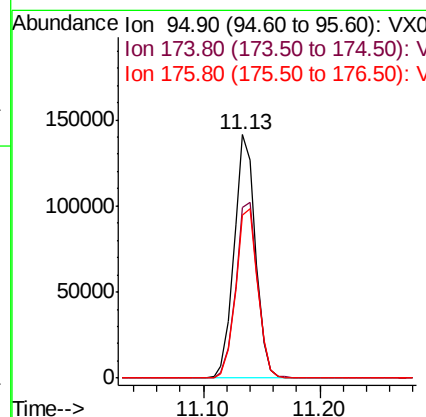
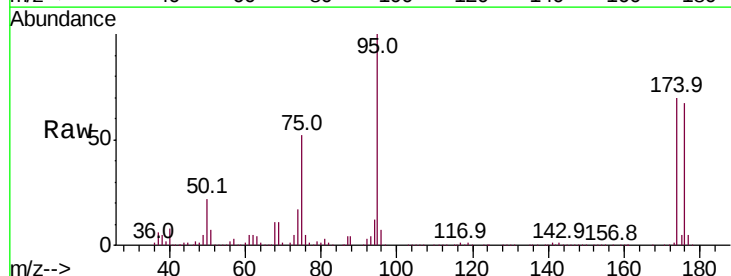
Instrument :
MSVOA_X
ClientSampleId :
M4-T4-UV(POST-HYPO)

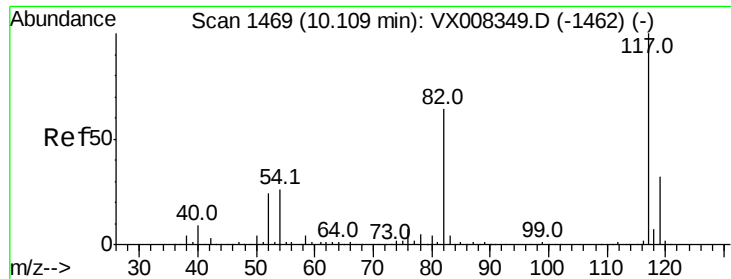
Tot Ion: 98 Resp: 520953
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.652 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008401.D
Acq: 24 Mar 2019 18:48

Tgt Ion: 95 Resp: 180264
Ion Ratio Lower Upper
95 100
174 74.0 0.0 182.8
176 71.9 0.0 178.0

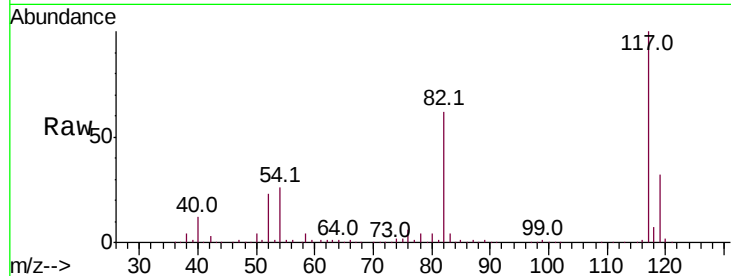




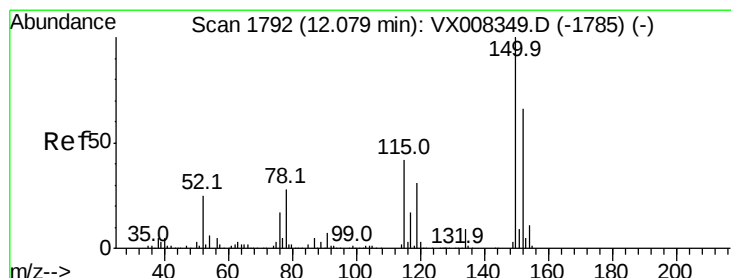
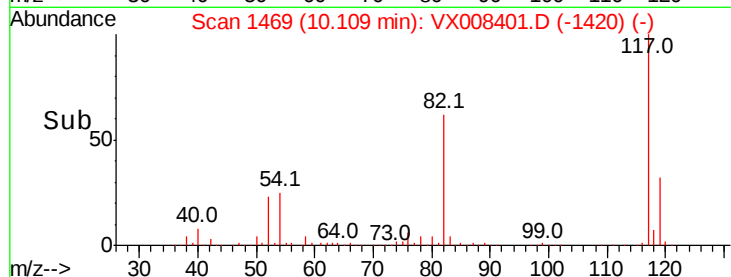
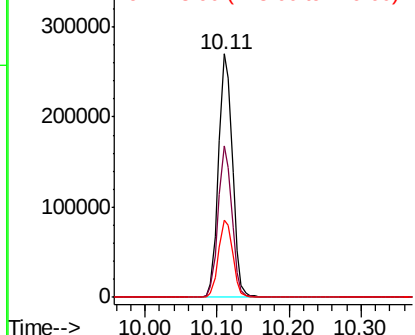
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008401.D
Acq: 24 Mar 2019 18:48

Instrument :
MSVOA_X
ClientSampleId :
M4-T4-UV(POST-HYPO)

Tot Ion:117 Resp: 361935
Ion Ratio Lower Upper
117 100
82 62.4 44.3 66.5
119 31.9 25.3 37.9

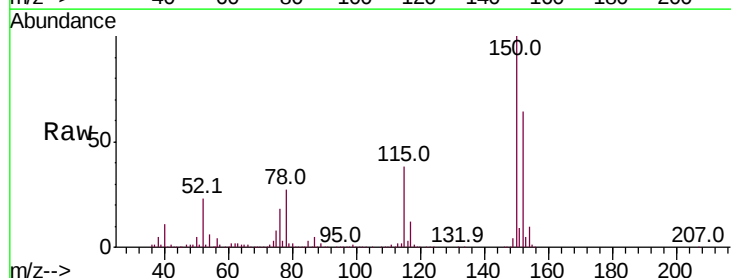


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

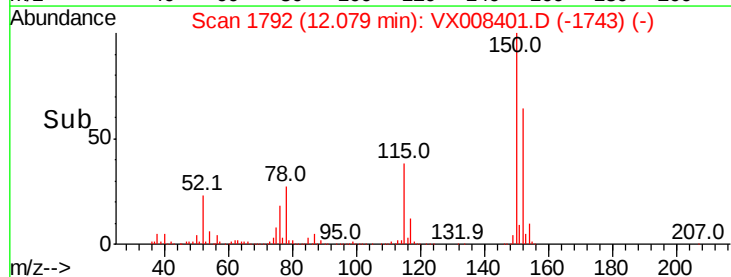
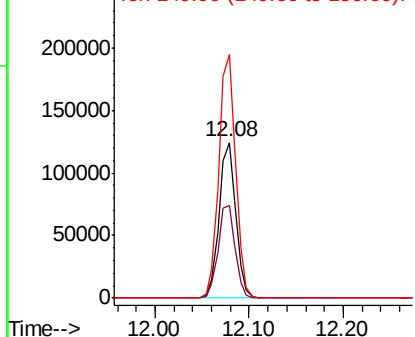


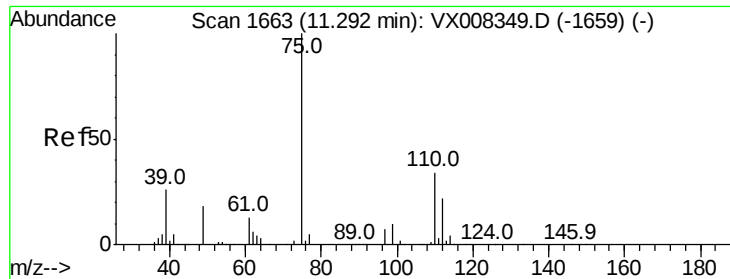
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008401.D
Acq: 24 Mar 2019 18:48

Tgt Ion:152 Resp: 152372
Ion Ratio Lower Upper
152 100
115 61.1 38.6 115.7
150 158.0 0.0 348.4



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

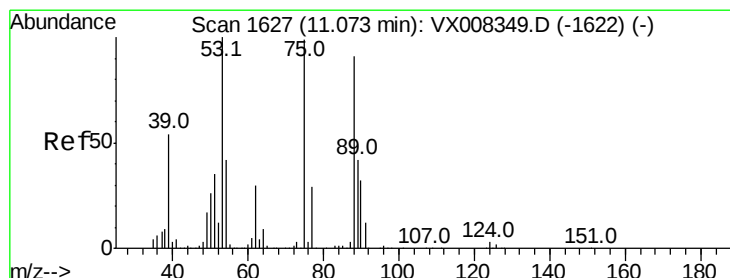
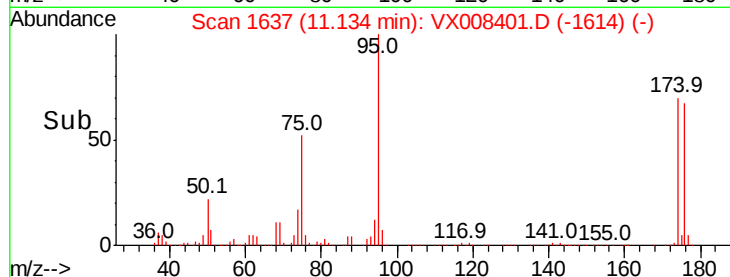
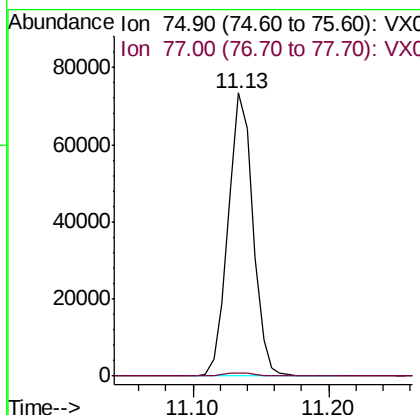
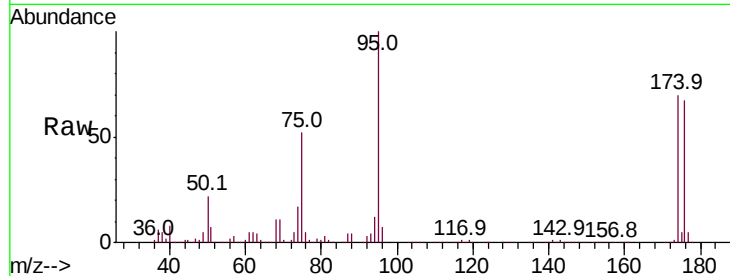




#76
 1,2,3-Trichloropropane
 Concen: 23.336 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008401.D
 Acq: 24 Mar 2019 18:48

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T4-UV(POST-HYPO)

Tot Ion: 75 Resp: 93071
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.501 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008401.D
 Acq: 24 Mar 2019 18:48

Tgt Ion: 75 Resp: 93071
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.3 54.5#

