

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008400.D
 Acq On : 24 Mar 2019 18:24
 Operator : JC/SP
 Sample : K1945-06 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 25 05:47:45 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	234383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	399905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149407	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	167049	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	5.49	113	124662	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	8.71	98	515732	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	178981	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

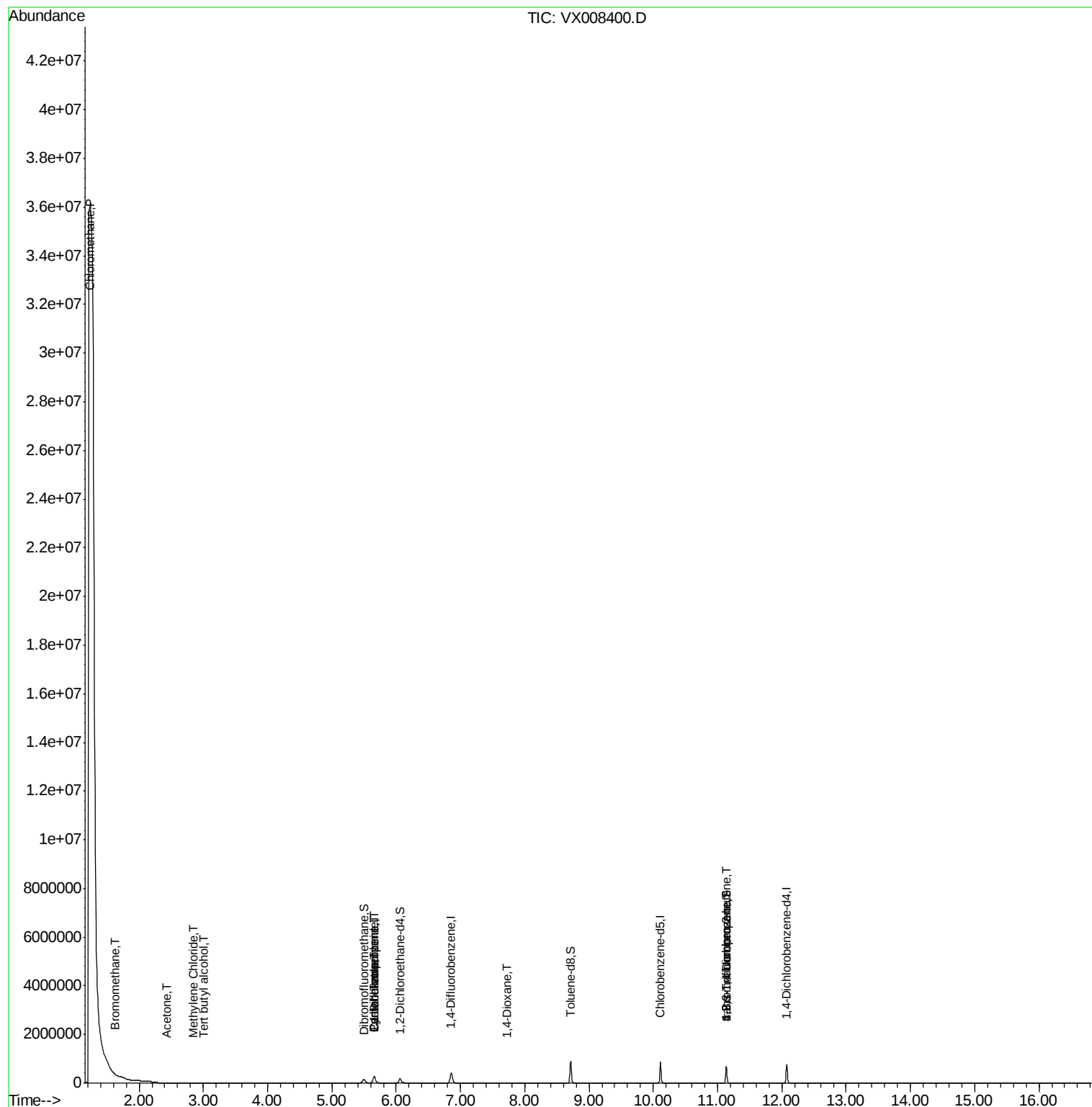
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.24	50	7436180	1890.561	ug/l #	43
5) Bromomethane	1.64	94	868	0.359	ug/l	85
11) Tert butyl alcohol	3.01	59	1679	2.109	ug/l #	73
16) Acetone	2.44	43	1230	0.688	ug/l	99
20) Methylene Chloride	2.85	84	662	0.206	ug/l #	72
31) Cyclohexane	5.65	56	5628	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20211	4.946	ug/l #	49
38) Carbon Tetrachloride	5.66	117	23672	6.758	ug/l #	17
49) 1,4-Dioxane	7.71	88	24	0.274	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	92752	23.717	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	92752	67.589	ug/l #	11

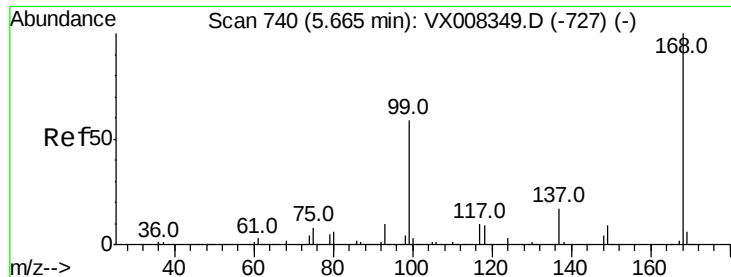
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

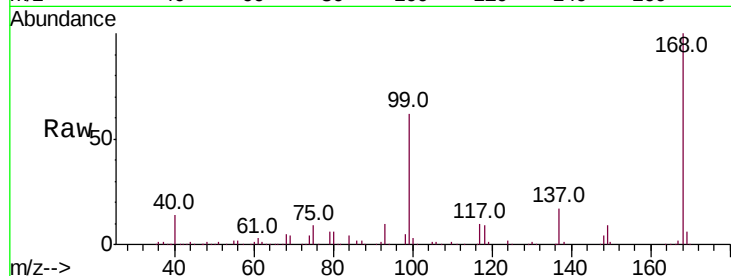
M4-T4-OZ(POST-HYPO)

Tot Ion:168 Resp: 234383

Ion Ratio Lower Upper

168 100

99 61.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

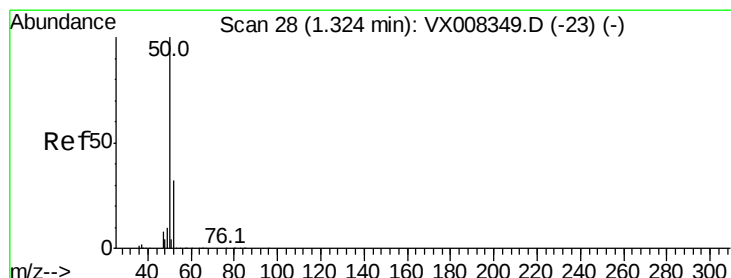
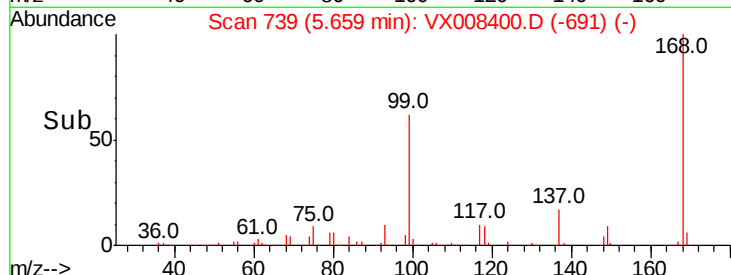
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1890.561 ug/l

RT: 1.24 min Scan# 14

Delta R.T. -0.09 min

Lab File: VX008400.D

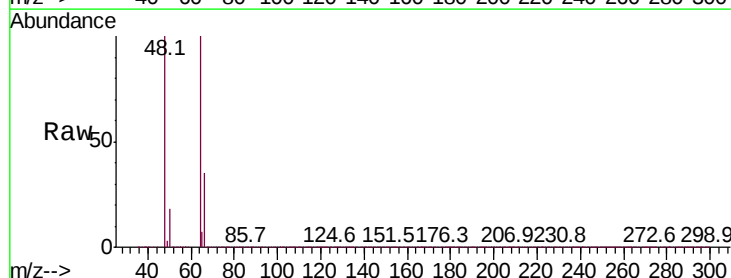
Acq: 24 Mar 2019 18:24

Tgt Ion: 50 Resp: 7436180

Ion Ratio Lower Upper

50 100

52 0.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.24

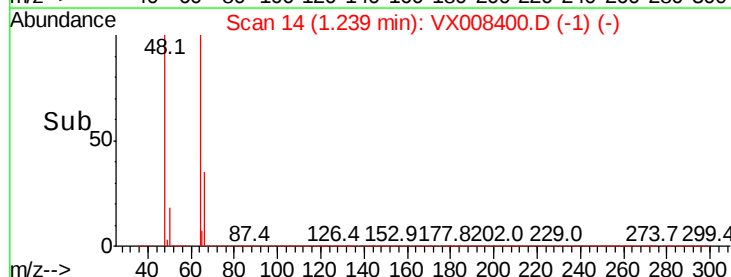
1500000

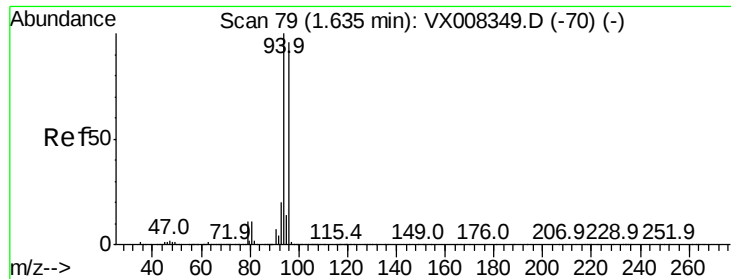
1000000

500000

0

Time--> 1.00 1.20 1.40 1.60





#5

Bromomethane

Concen: 0.359 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

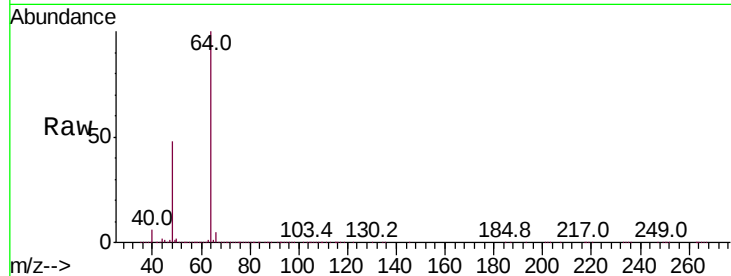
M4-T4-OZ(POST-HYPO)

Tot Ion: 94 Resp: 868

Ion Ratio Lower Upper

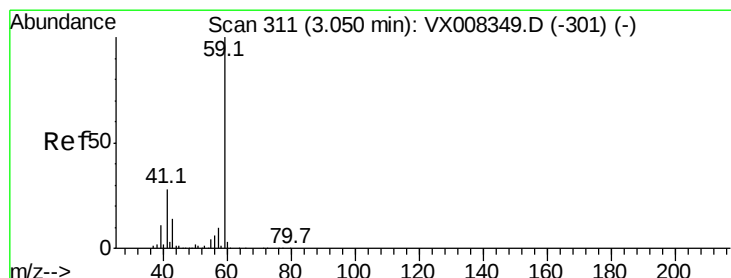
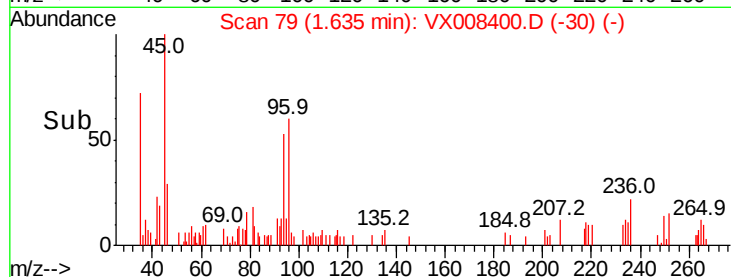
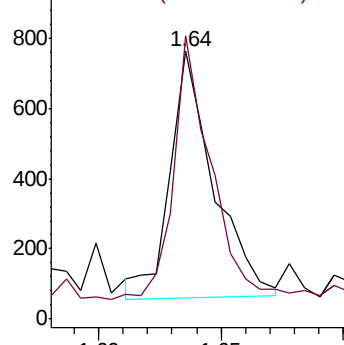
94 100

96 109.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.109 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX008400.D

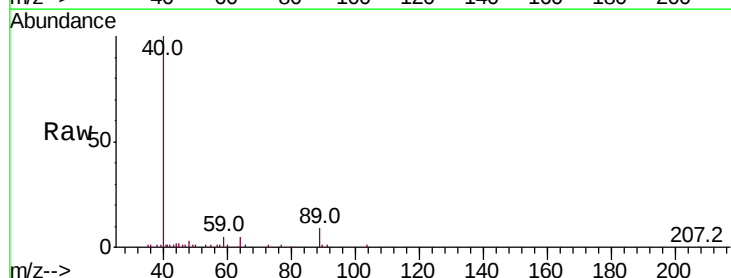
Acq: 24 Mar 2019 18:24

Tgt Ion: 59 Resp: 1679

Ion Ratio Lower Upper

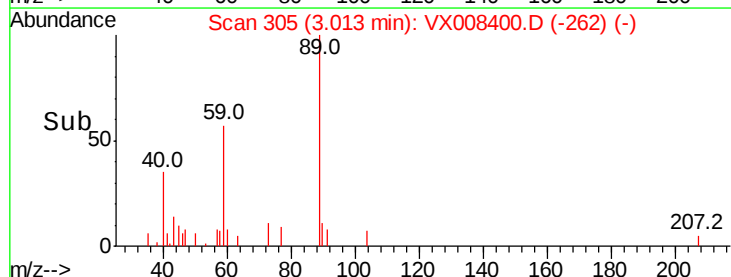
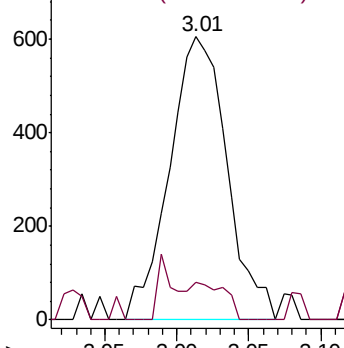
59 100

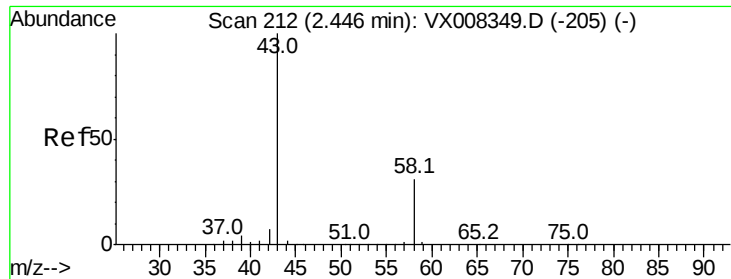
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.688 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

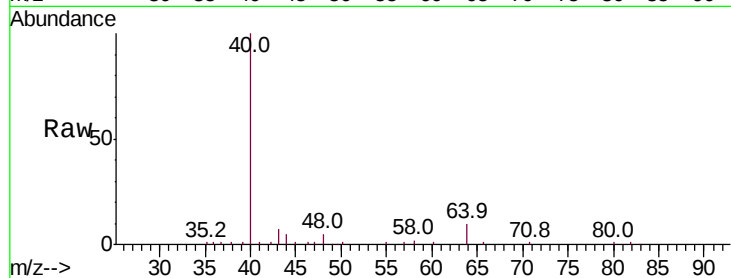
M4-T4-OZ(POST-HYPO)

Tot Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

58 32.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

800

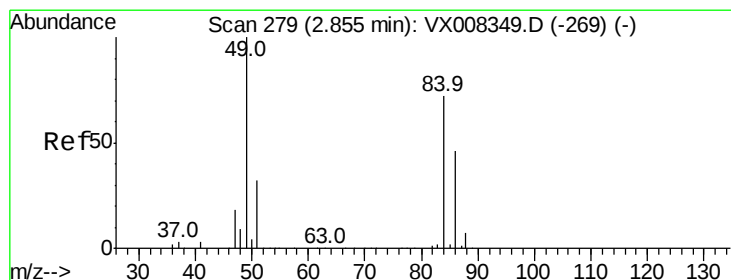
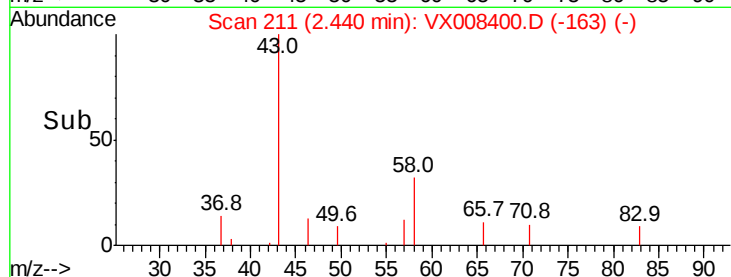
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.206 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Tgt Ion: 84 Resp: 662

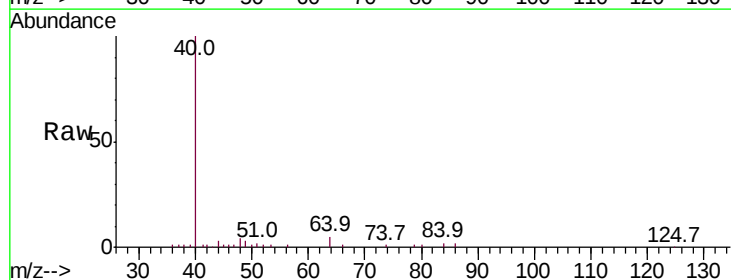
Ion Ratio Lower Upper

84 100

49 101.8 99.3 148.9

51 72.4 31.3 46.9#

86 89.0 52.6 79.0#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

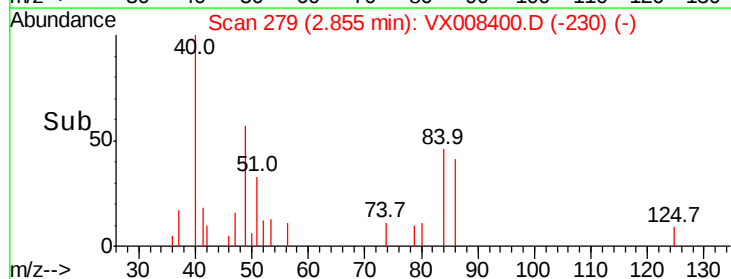
300

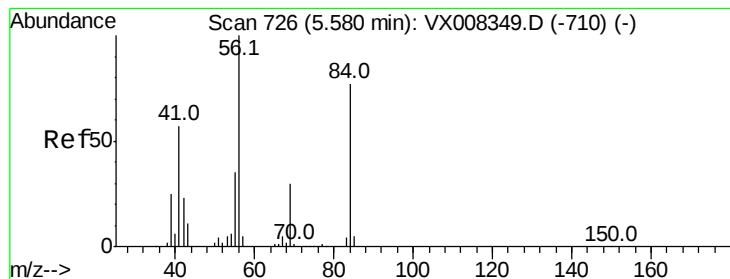
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

M4-T4-OZ(POST-HYPO)

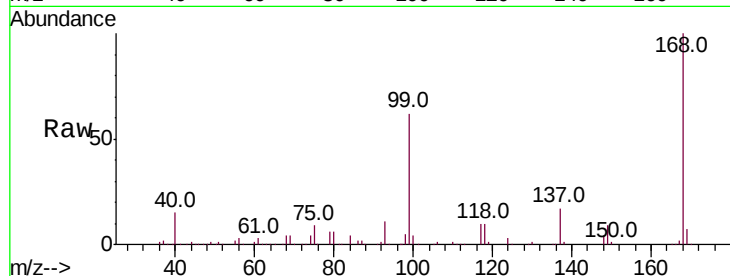
Tot Ion: 56 Resp: 5628

Ion Ratio Lower Upper

56 100

69 170.2 24.0 36.0#

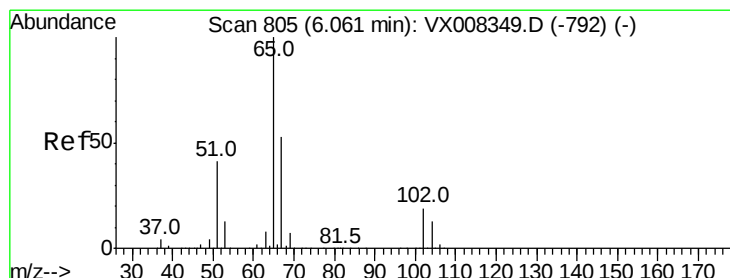
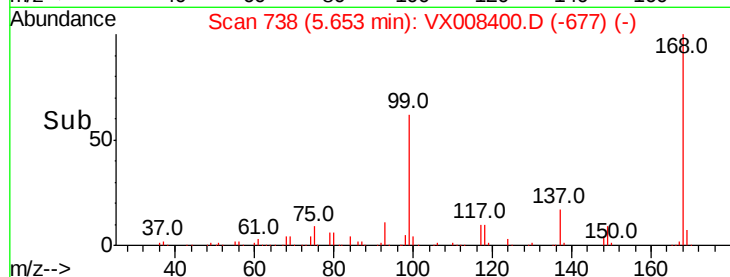
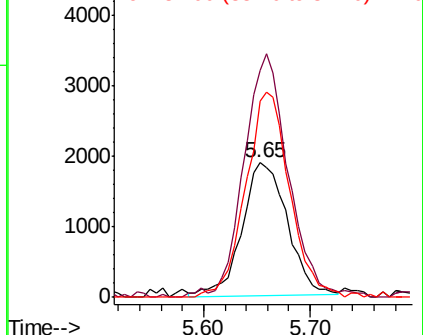
84 150.1 65.3 97.9#



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: 46.729 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008400.D

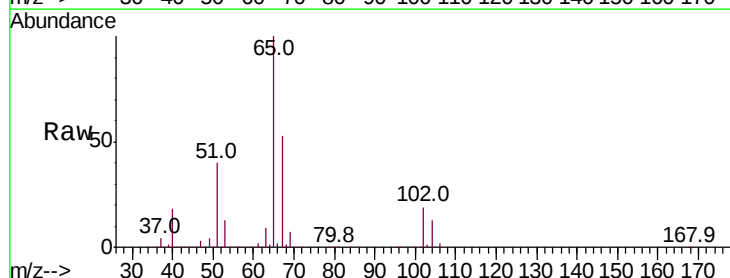
Acq: 24 Mar 2019 18:24

Tgt Ion: 65 Resp: 167049

Ion Ratio Lower Upper

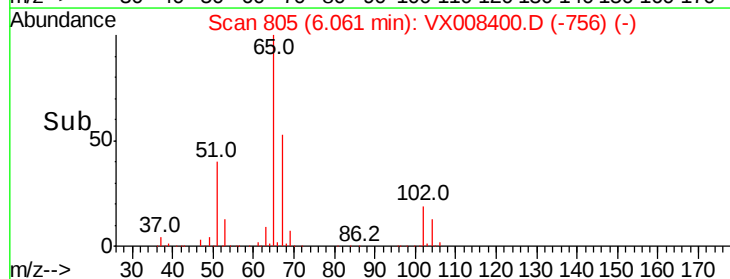
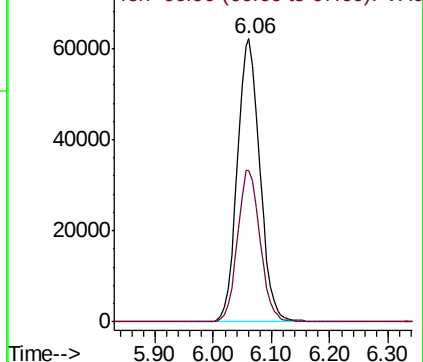
65 100

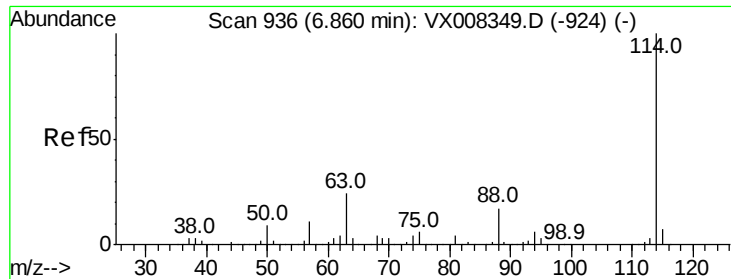
67 53.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

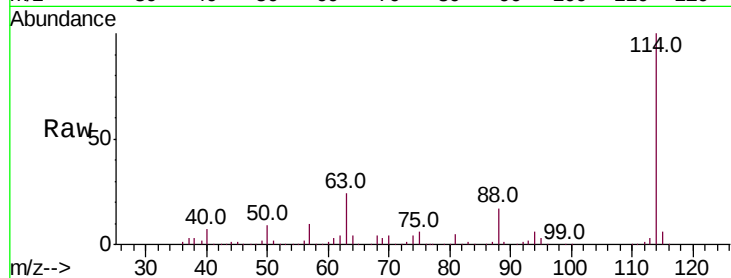




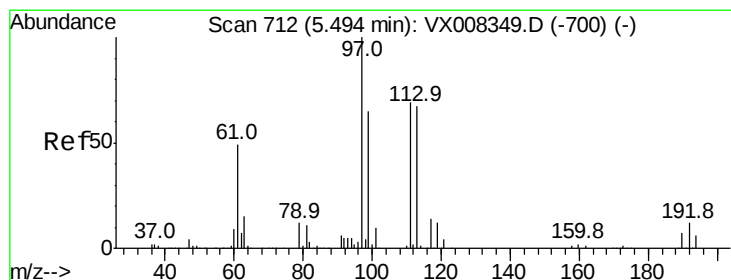
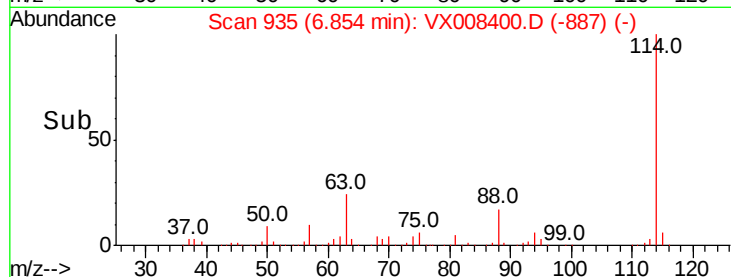
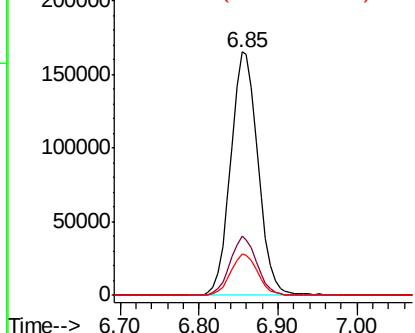
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008400.D
 Acq: 24 Mar 2019 18:24

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	39.8
88	17.2	0.0	31.4

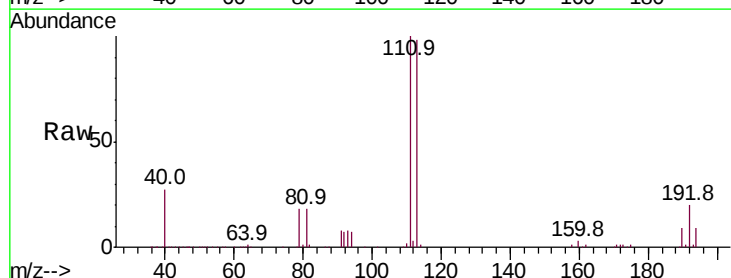


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

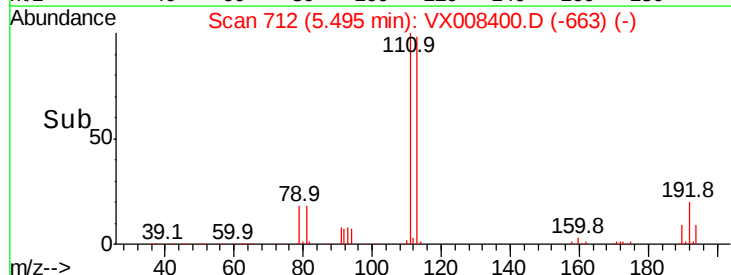
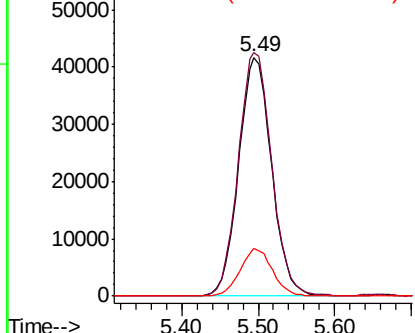


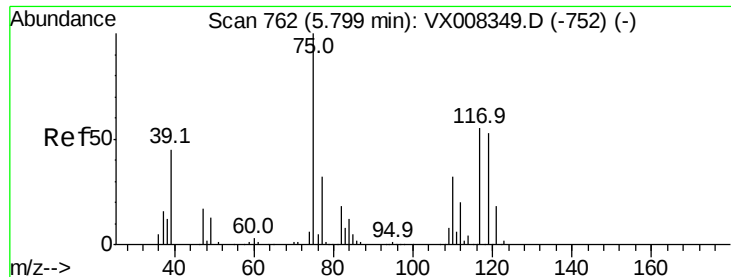
#35
 Dibromofluoromethane
 Concen: 48.114 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008400.D
 Acq: 24 Mar 2019 18:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.0
192	19.4	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

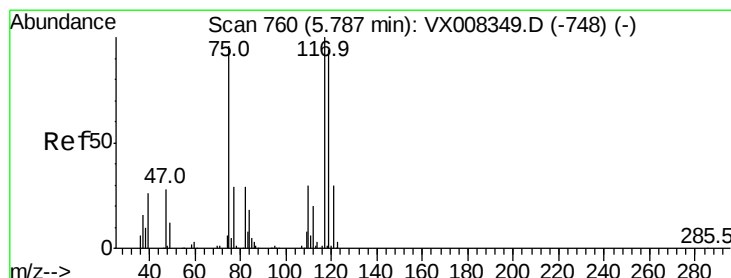
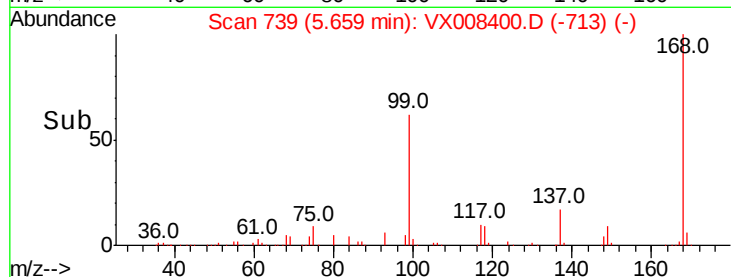
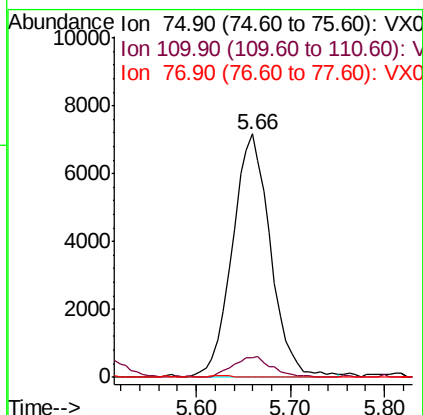
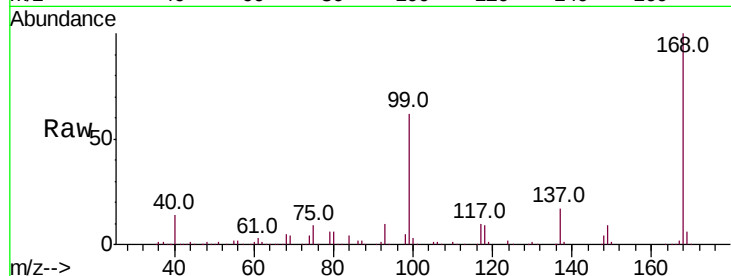




#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008400.D
 Acq: 24 Mar 2019 18:24

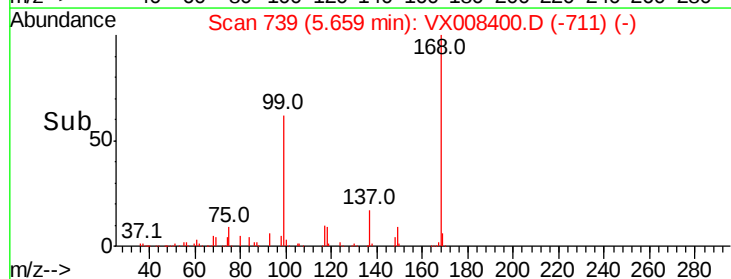
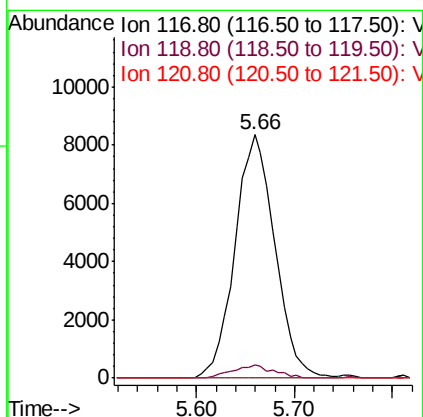
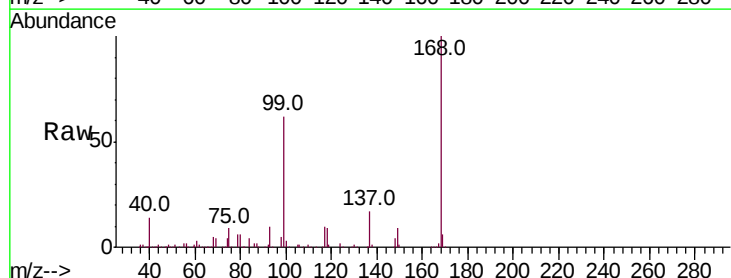
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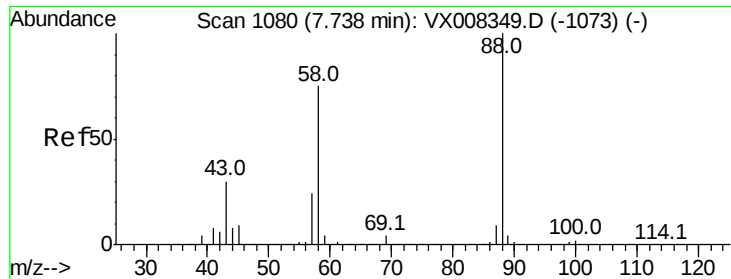
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.0#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.758 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008400.D
 Acq: 24 Mar 2019 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.2	114.2#
121	0.0	24.6	36.8#

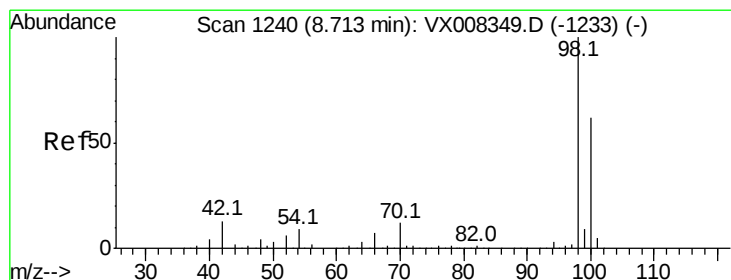
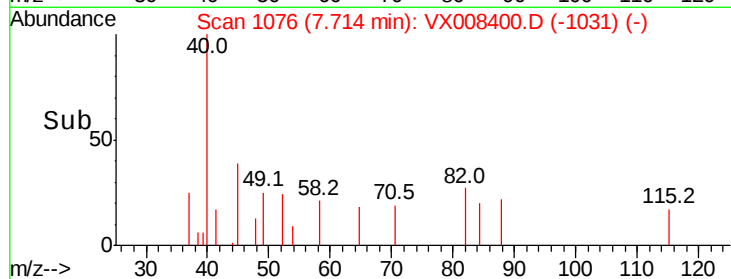
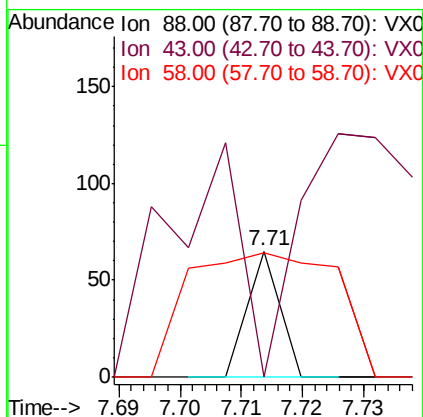
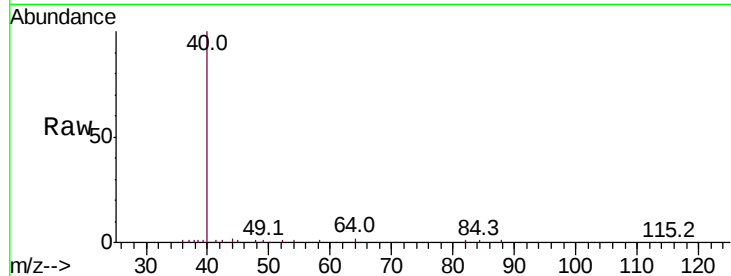




#49
 1,4-Dioxane
 Concen: 0.274 ug/l
 RT: 7.71 min Scan# 1076
 Delta R.T. -0.02 min
 Lab File: VX008400.D
 Acq: 24 Mar 2019 18:24

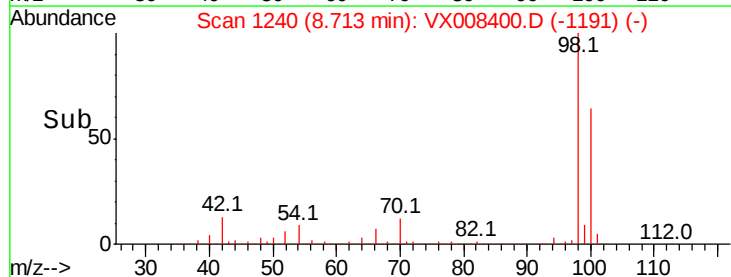
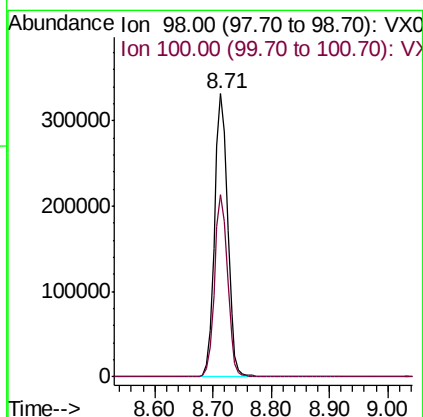
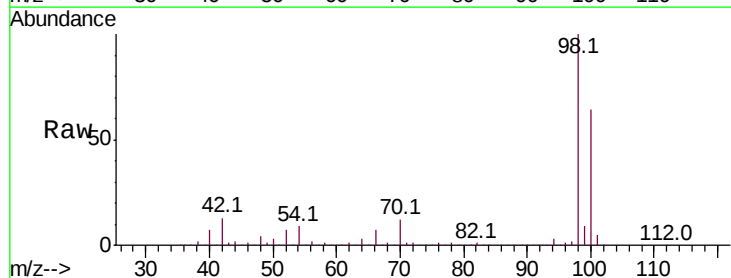
Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T4-OZ(POST-HYPO)

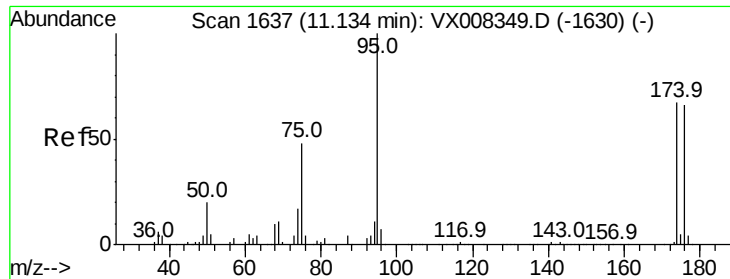
Tot Ion: 88 Resp: 24
 Ion Ratio Lower Upper
 88 100
 43 420.8 25.1 37.7#
 58 450.0 57.8 86.6#



#50
 Toluene-d8
 Concen: 50.325 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008400.D
 Acq: 24 Mar 2019 18:24

Tgt Ion: 98 Resp: 515732
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 47.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

M4-T4-OZ(POST-HYPO)

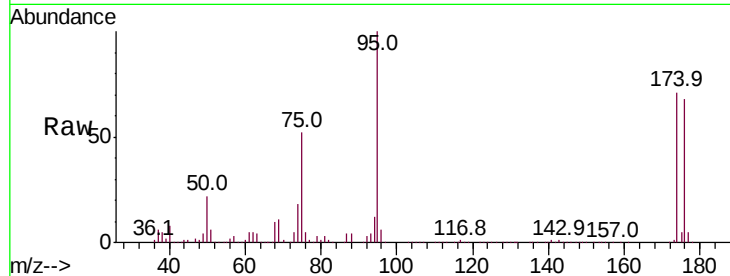
Tot Ion: 95 Resp: 178981

Ion Ratio Lower Upper

95 100

174 73.7 0.0 182.8

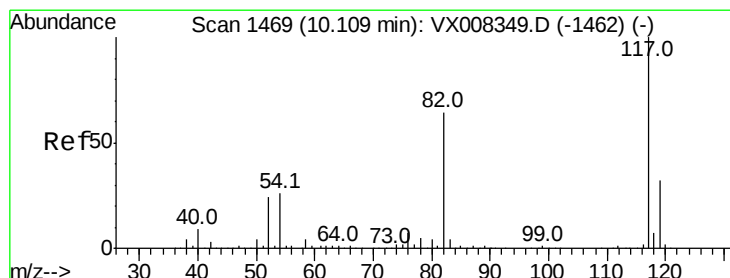
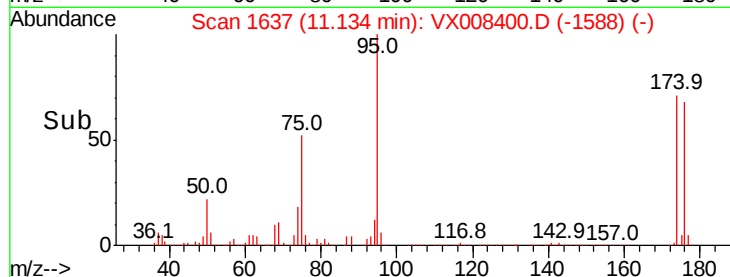
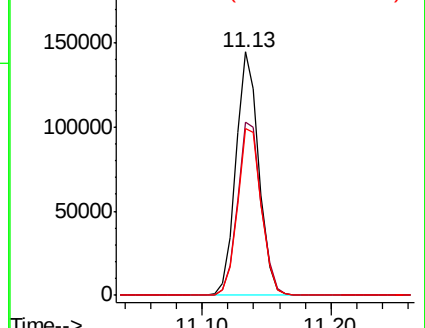
176 71.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008400.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008400.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008400.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

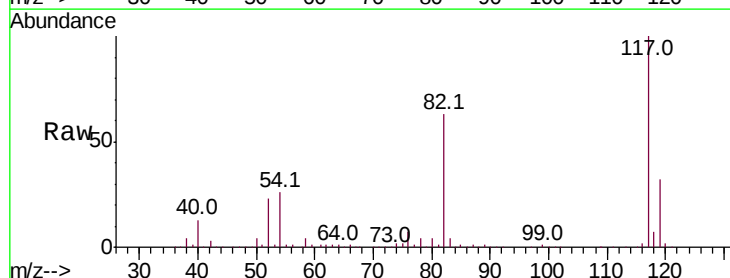
Tgt Ion: 117 Resp: 360181

Ion Ratio Lower Upper

117 100

82 62.6 44.3 66.5

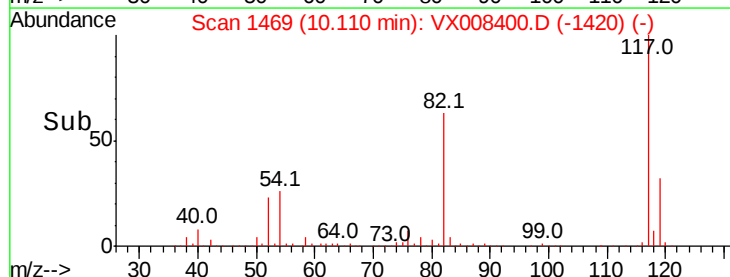
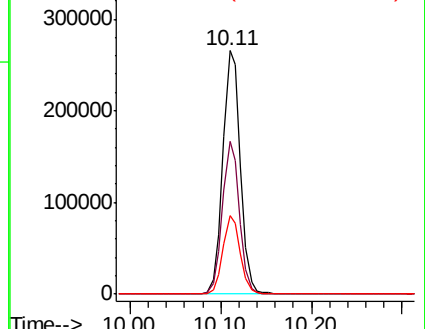
119 32.1 25.3 37.9

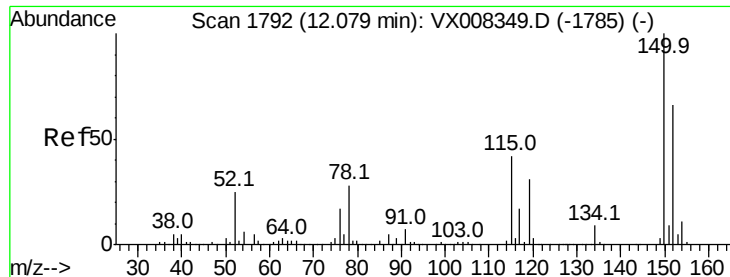


Abundance Ion 116.90 (116.60 to 117.60): VX008400.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008400.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008400.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

M4-T4-OZ(POST-HYPO)

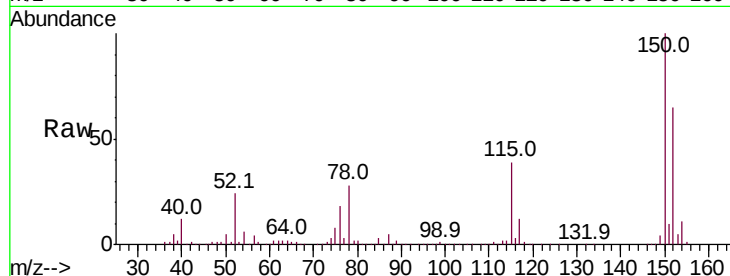
Tot Ion:152 Resp: 149407

Ion Ratio Lower Upper

152 100

115 61.2 38.6 115.7

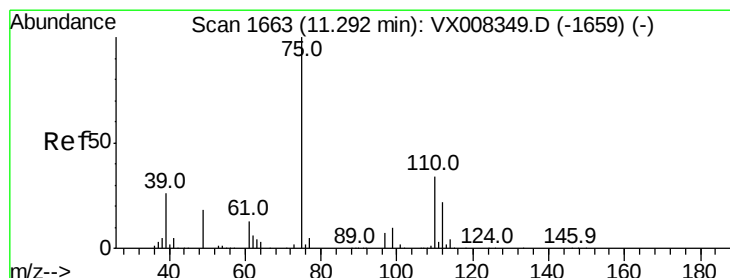
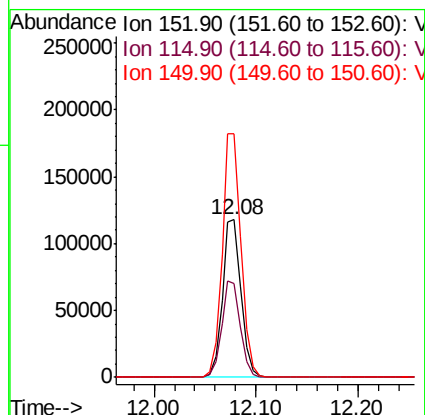
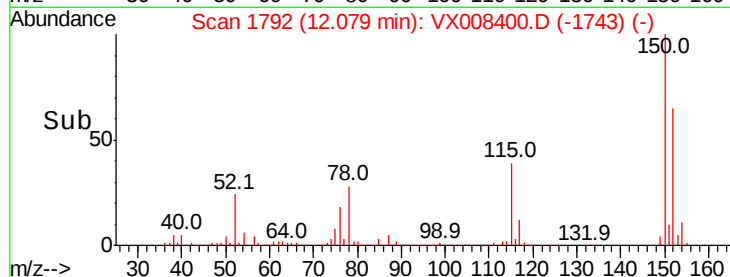
150 156.4 0.0 348.4



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: 23.717 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008400.D

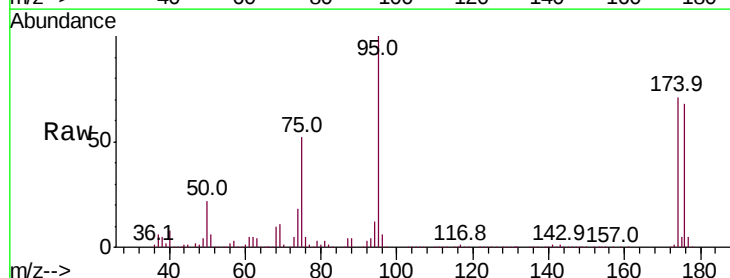
Acq: 24 Mar 2019 18:24

Tgt Ion: 75 Resp: 92752

Ion Ratio Lower Upper

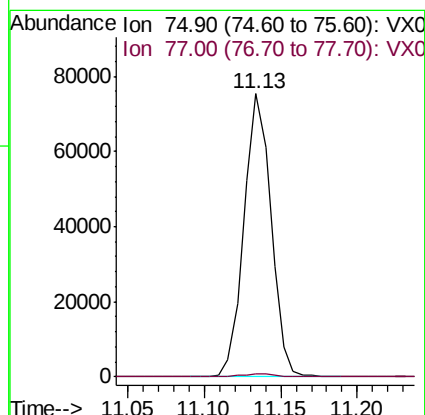
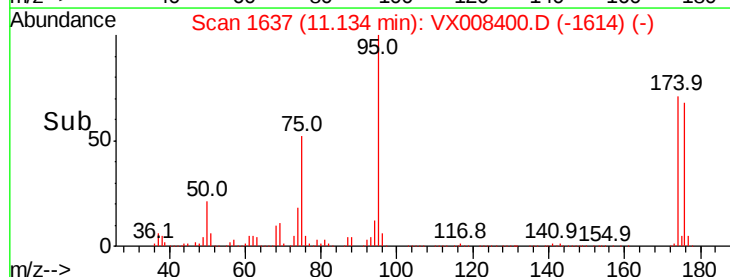
75 100

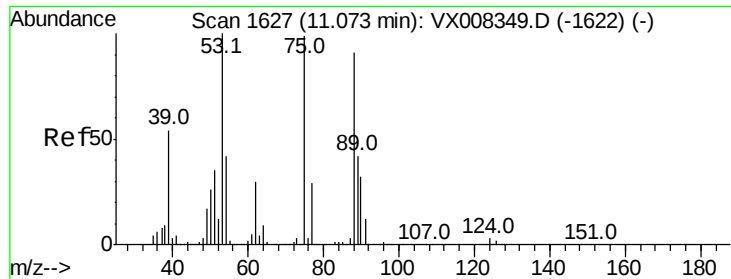
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.589 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008400.D

Acq: 24 Mar 2019 18:24

Instrument :

MSVOA_X

ClientSampleId :

M4-T4-OZ(POST-HYPO)

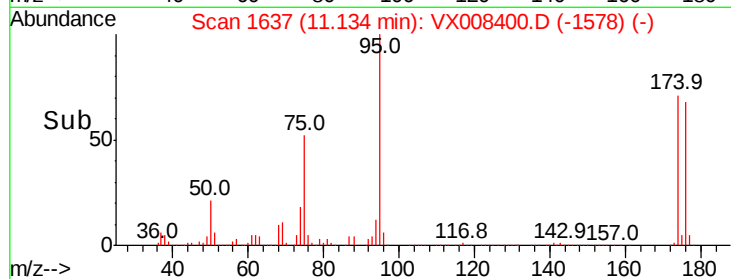
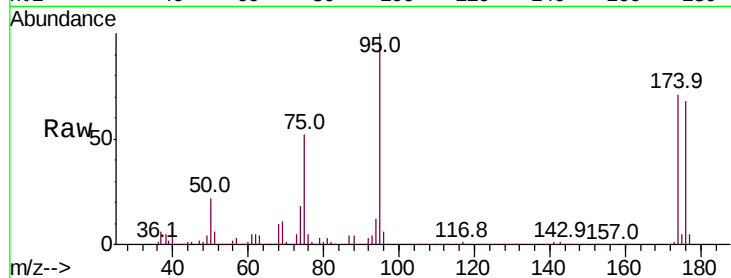
Tot Ion: 75 Resp: 92752

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

