

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032419\
 Data File : VX008390.D
 Acq On : 24 Mar 2019 14:32
 Operator : JC/SP
 Sample : K1945-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-OZ(PRE)

Quant Time: Mar 25 05:45:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139542	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	165858	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
35) Dibromofluoromethane	5.50	113	121958	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.71	98	486894	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	165857	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

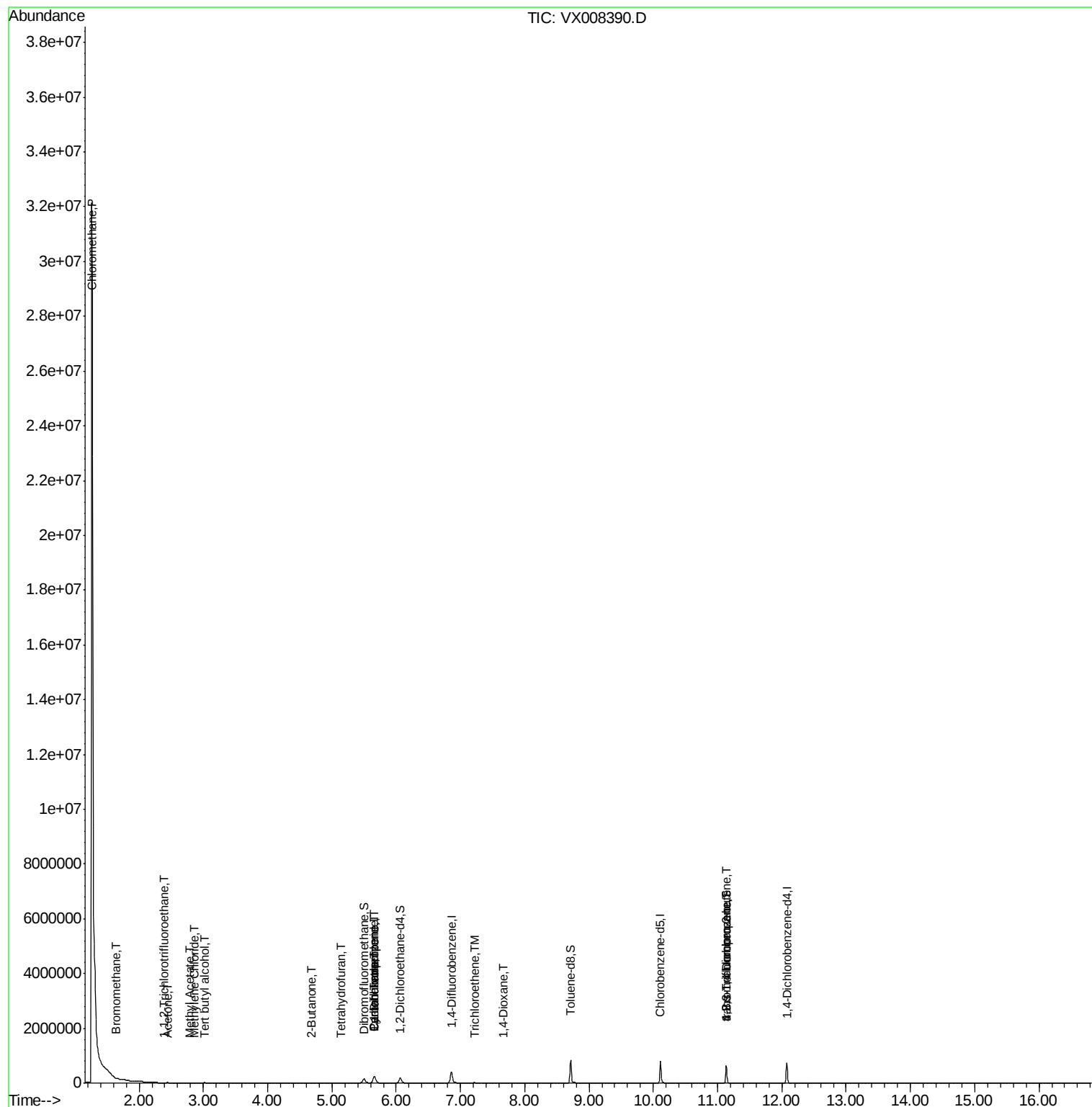
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.26	50	1534986	409.799	ug/l #	43
5) Bromomethane	1.65	94	639	0.278	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	517	0.210	ug/l #	83
11) Tert butyl alcohol	3.02	59	3174	4.186	ug/l #	77
16) Acetone	2.44	43	6326	3.718	ug/l	96
18) Methyl Acetate	2.78	43	955	0.224	ug/l	94
20) Methylene Chloride	2.86	84	688	0.225	ug/l #	84
25) 2-Butanone	4.68	43	1509	0.539	ug/l	99
29) Tetrahydrofuran	5.15	42	1510	0.812	ug/l #	85
31) Cyclohexane	5.66	56	5479	1.023	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19379	4.935	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22473	6.676	ug/l #	17
44) Trichloroethene	7.21	130	1478	0.532	ug/l	85
49) 1,4-Dioxane	7.65	88	19	0.225	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	85584	23.432	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	85584	66.774	ug/l #	11

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

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M4-T3-OZ(PRE)

Quant Time: Mar 25 05:45:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

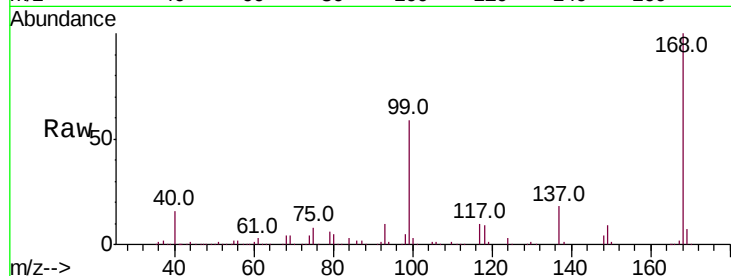
M4-T3-OZ(PRE)

Tot Ion:168 Resp: 223203

Ion Ratio Lower Upper

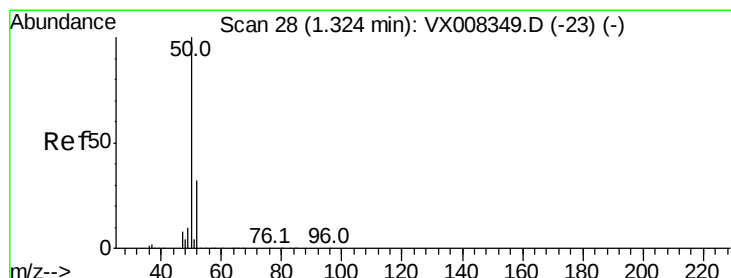
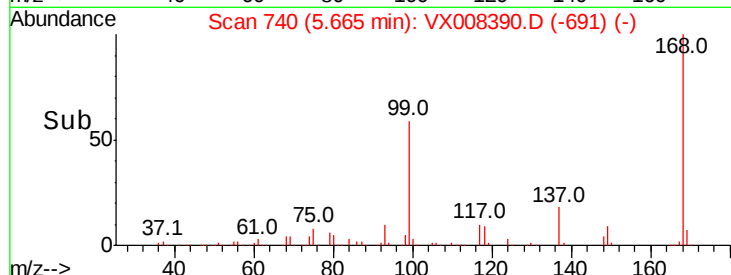
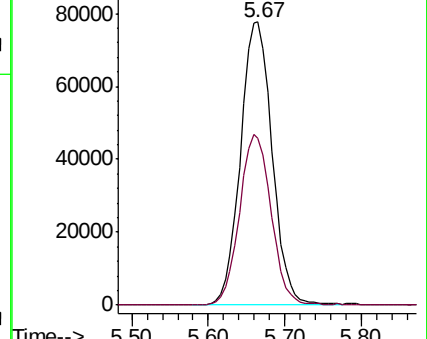
168 100

99 59.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 409.799 ug/l

RT: 1.26 min Scan# 18

Delta R.T. -0.06 min

Lab File: VX008390.D

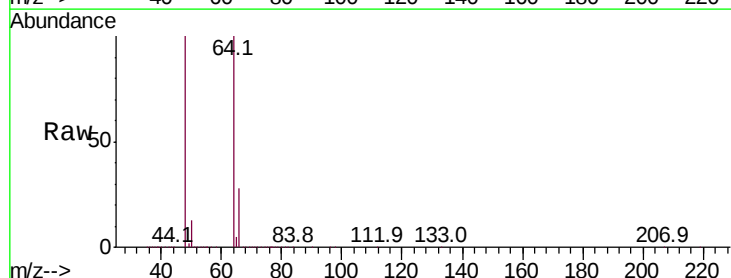
Acq: 24 Mar 2019 14:32

Tgt Ion: 50 Resp: 1534986

Ion Ratio Lower Upper

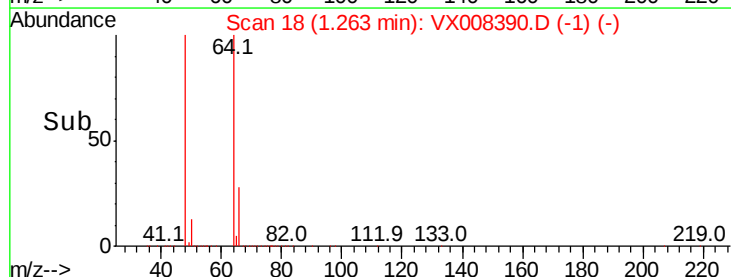
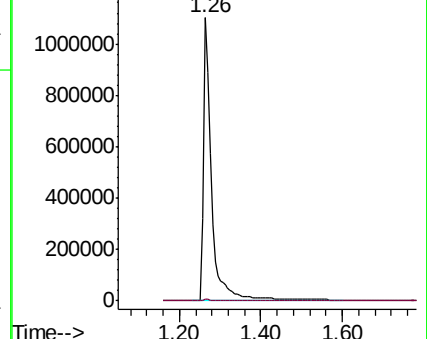
50 100

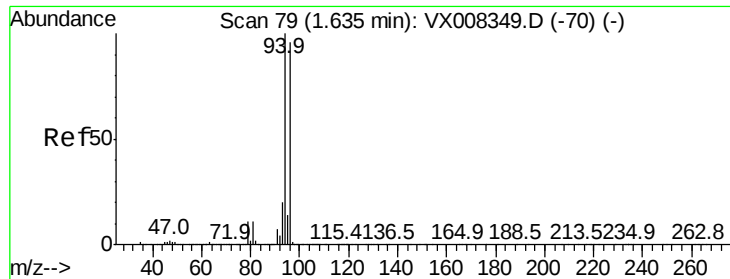
52 0.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

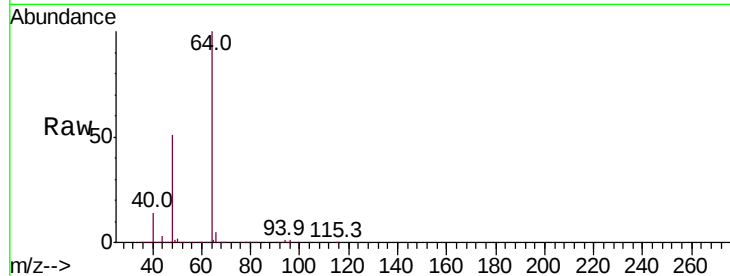
M4-T3-OZ(PRE)

Tot Ion: 94 Resp: 639

Ion Ratio Lower Upper

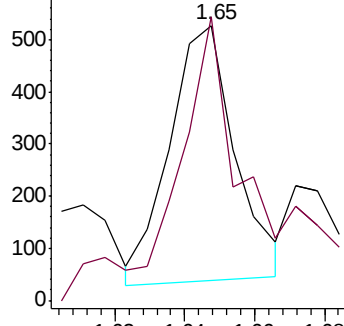
94 100

96 104.8 75.5 113.3

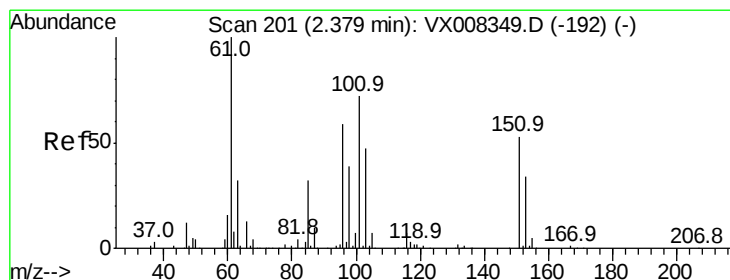
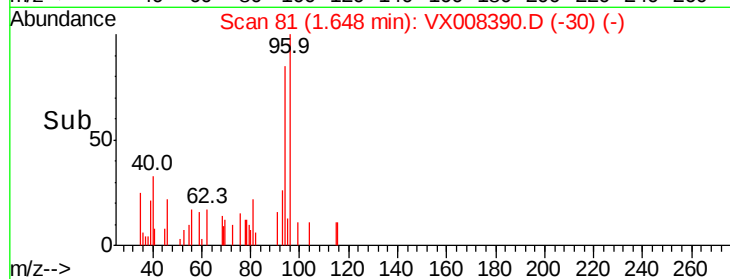


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.210 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

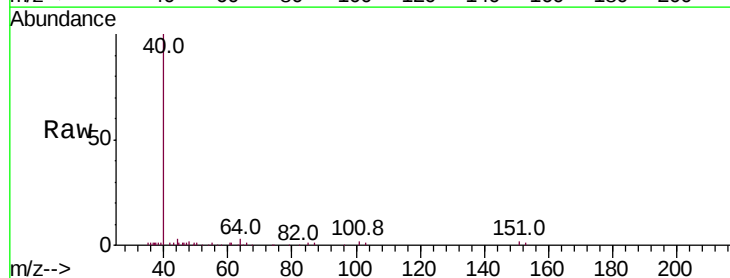
Tgt Ion:101 Resp: 517

Ion Ratio Lower Upper

101 100

85 54.7 33.8 50.6#

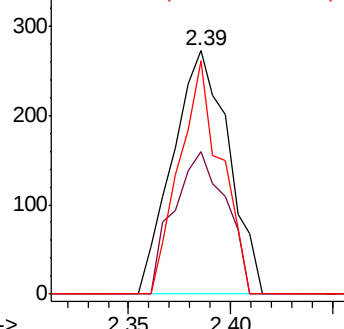
151 71.8 69.1 103.7



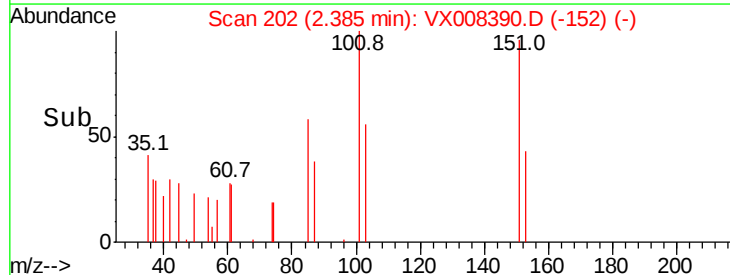
Abundance Ion 100.90 (100.60 to 101.60): V

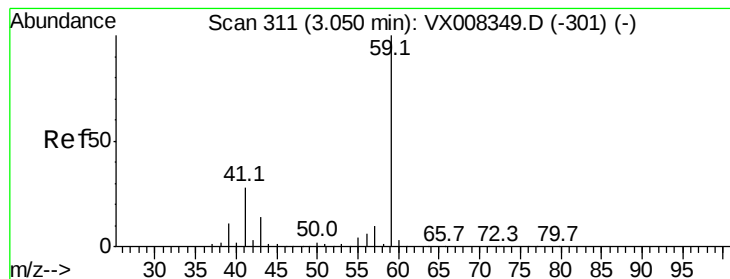
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



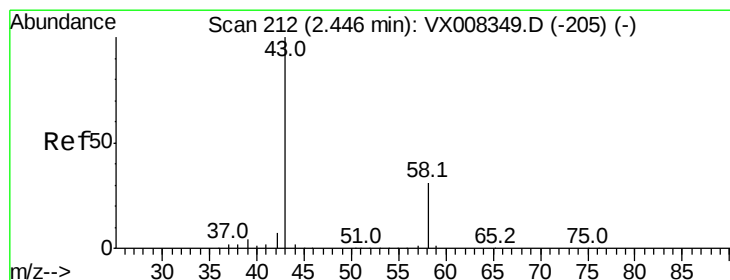
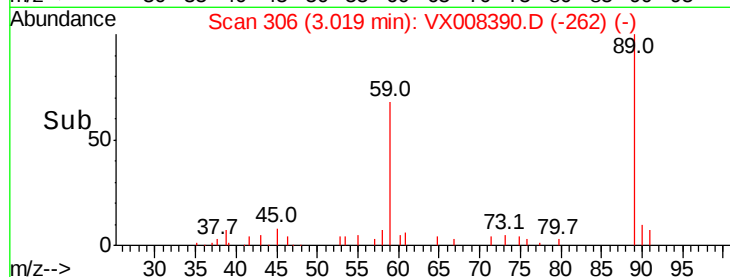
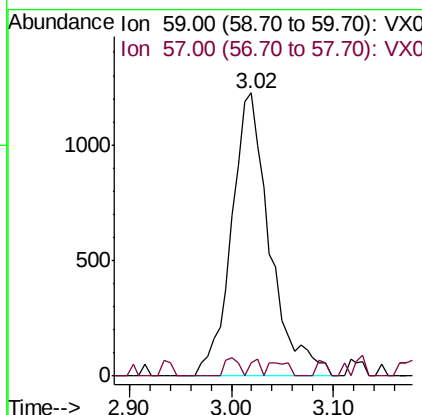
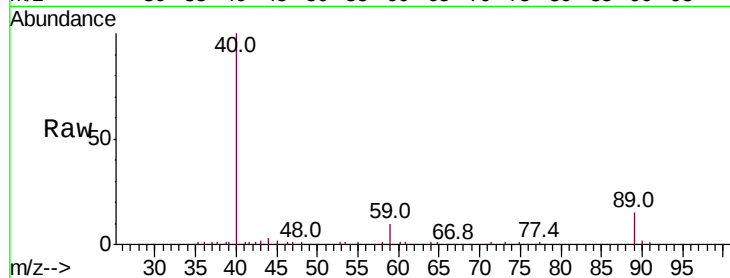


#11

Tert butyl alcohol
 Concen: 4.186 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-OZ(PRE)

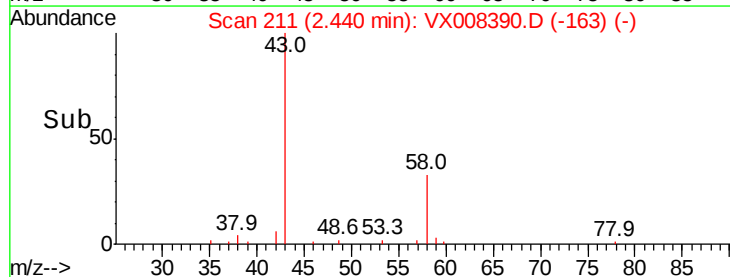
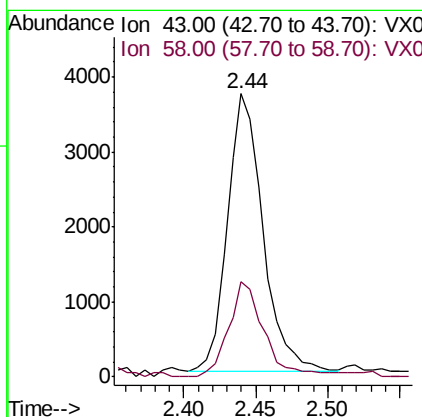
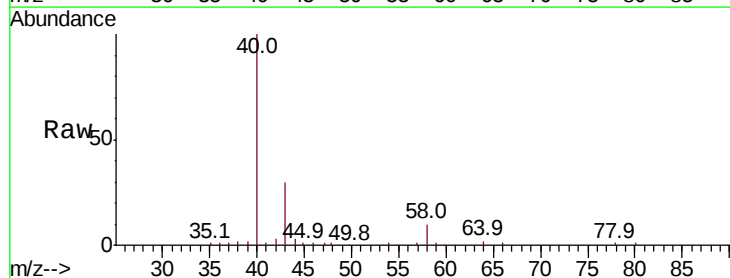
Tot Ion: 59 Resp: 3174
 Ion Ratio Lower Upper
 59 100
 57 1.5 8.2 12.2#

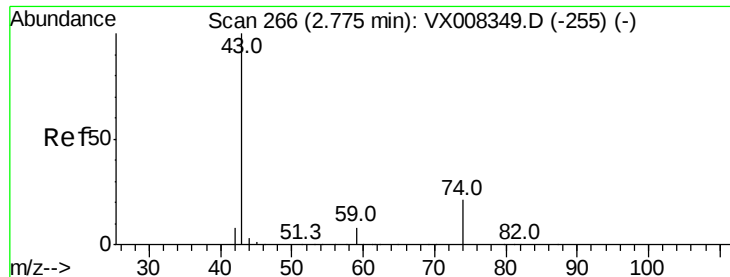


#16

Acetone
 Concen: 3.718 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

Tgt Ion: 43 Resp: 6326
 Ion Ratio Lower Upper
 43 100
 58 34.3 25.5 38.3

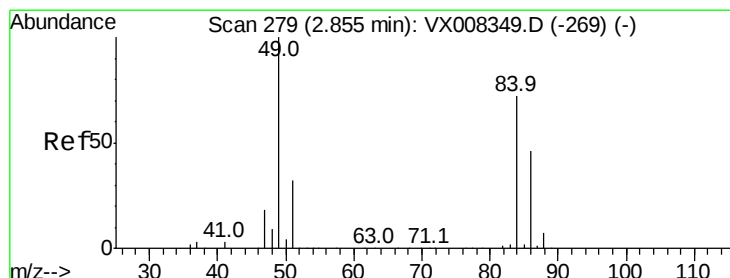
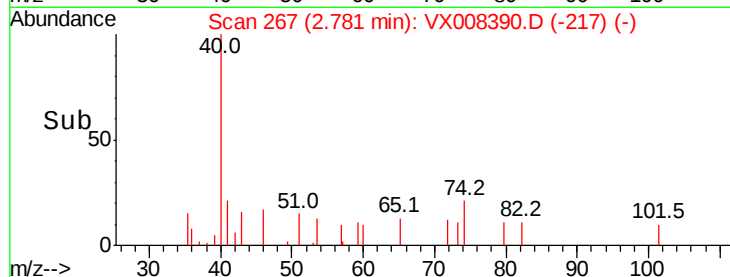
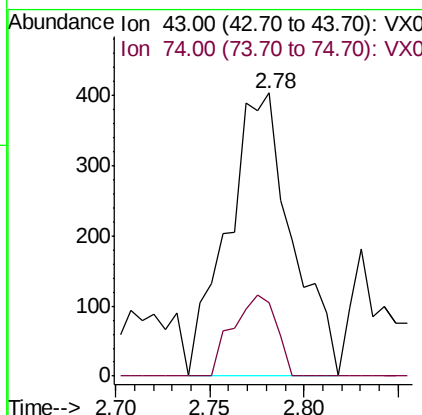
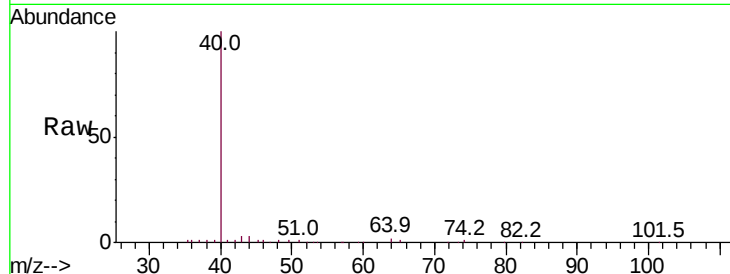




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX008390.D
Acq: 24 Mar 2019 14:32

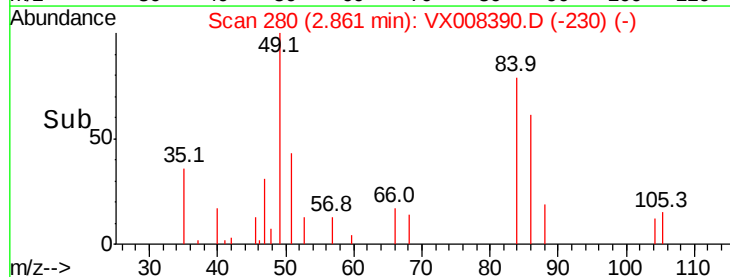
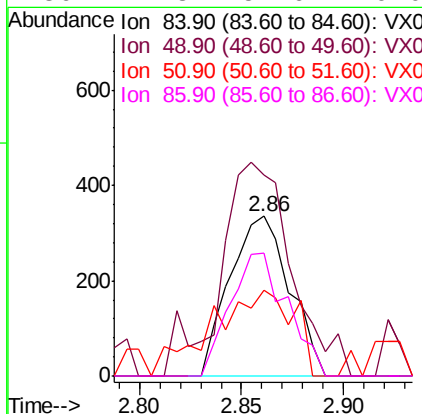
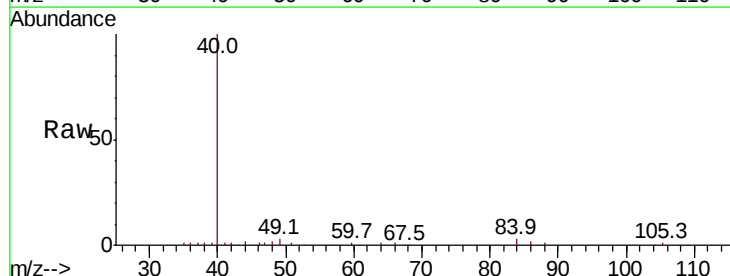
Instrument :
MSVOA_X
ClientSampled :
M4-T3-OZ(PRE)

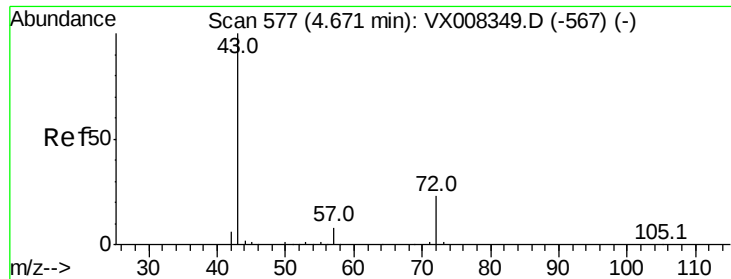
Tot Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.6



#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008390.D
Acq: 24 Mar 2019 14:32

Tgt Ion: 84 Resp: 688
Ion Ratio Lower Upper
84 100
49 107.8 99.3 148.9
51 54.0 31.3 46.9#
86 77.3 52.6 79.0





#25

2-Butanone

Concen: 0.539 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

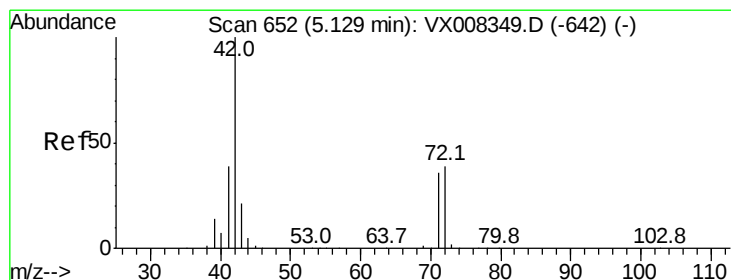
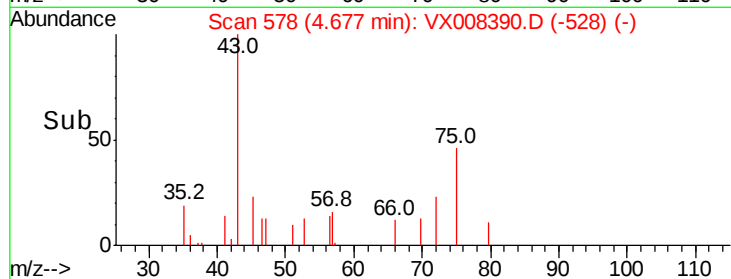
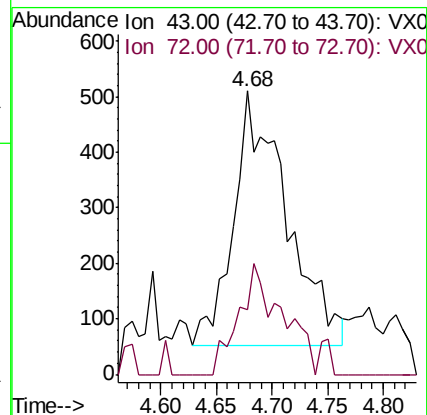
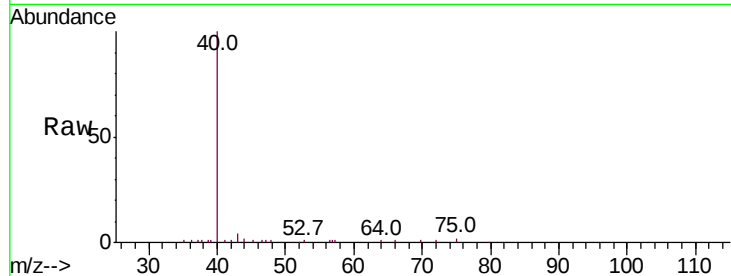
M4-T3-OZ(PRE)

Tot Ion: 43 Resp: 1509

Ion Ratio Lower Upper

43 100

72 25.4 19.9 29.9



#29

Tetrahydrofuran

Concen: 0.812 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

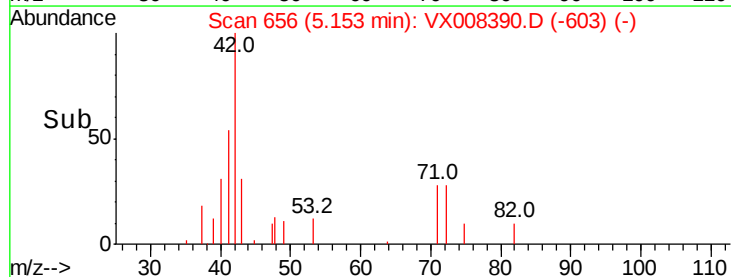
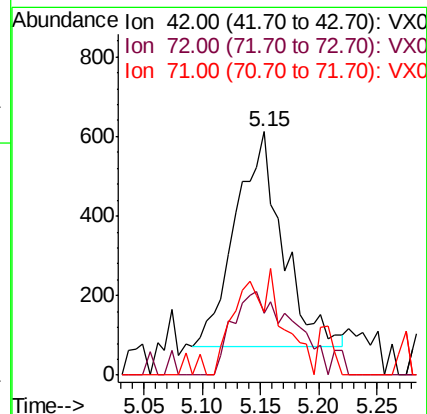
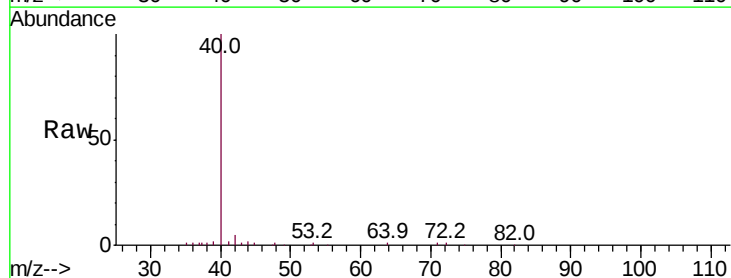
Tgt Ion: 42 Resp: 1510

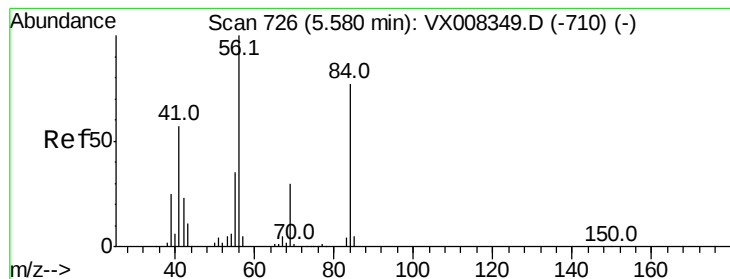
Ion Ratio Lower Upper

42 100

72 49.6 33.8 50.6

71 28.5 31.5 47.3#





#31

Cyclohexane

Concen: 1.023 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

M4-T3-OZ(PRE)

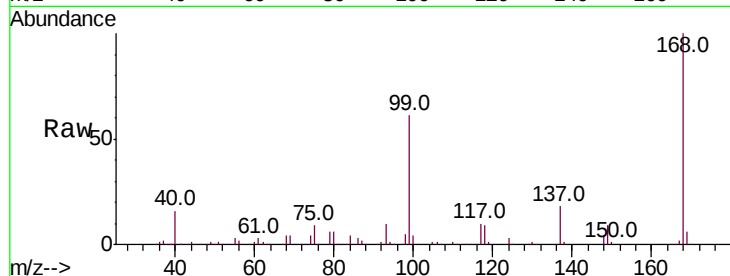
Tot Ion: 56 Resp: 5479

Ion Ratio Lower Upper

56 100

69 175.9 24.0 36.0#

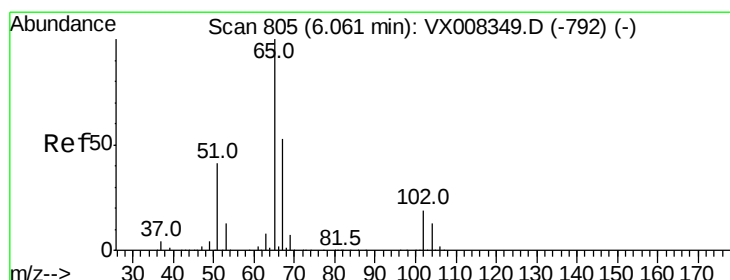
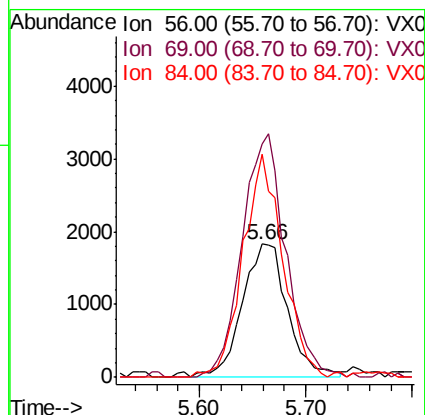
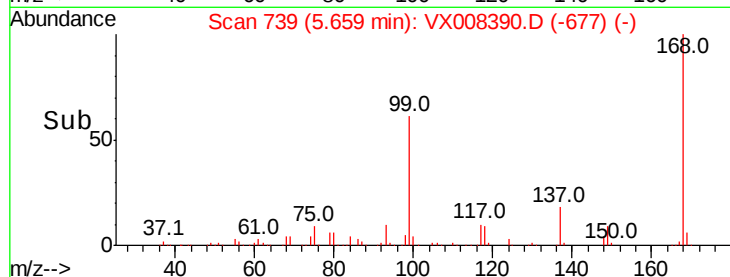
84 167.9 65.3 97.9#



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: 48.720 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008390.D

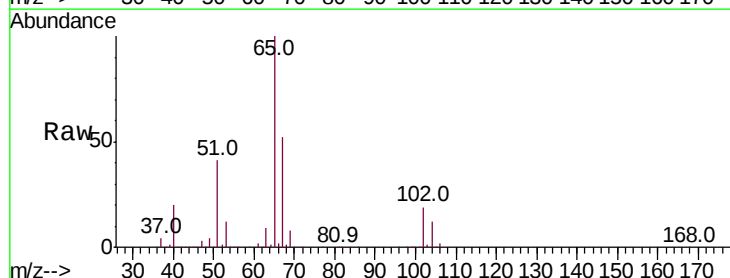
Acq: 24 Mar 2019 14:32

Tgt Ion: 65 Resp: 165858

Ion Ratio Lower Upper

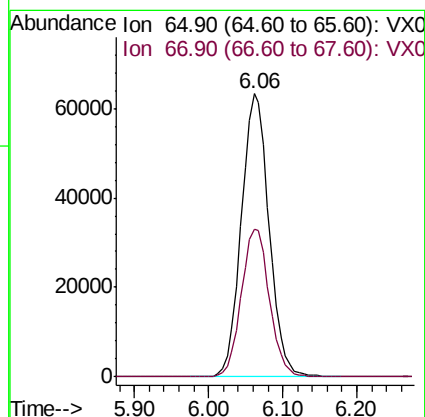
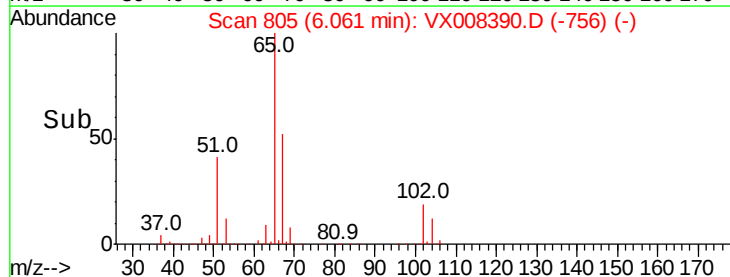
65 100

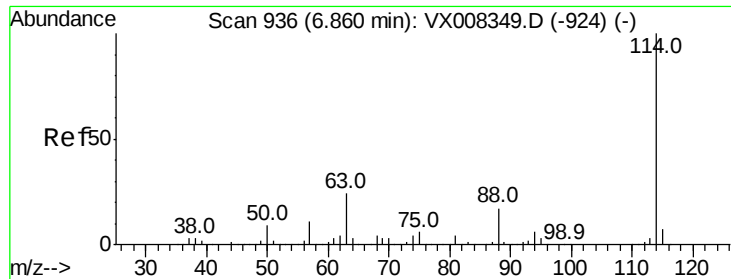
67 52.9 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

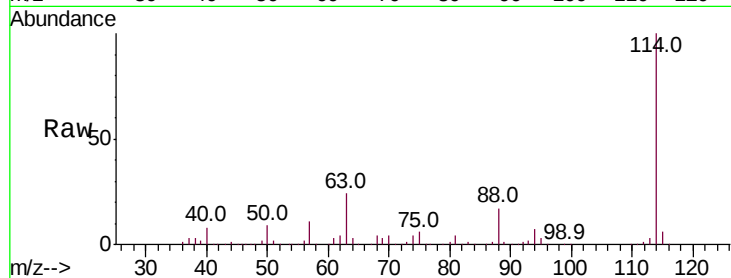




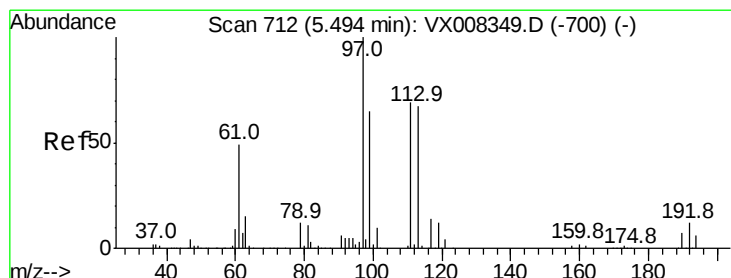
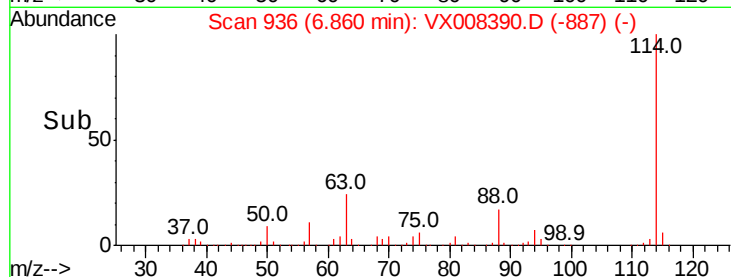
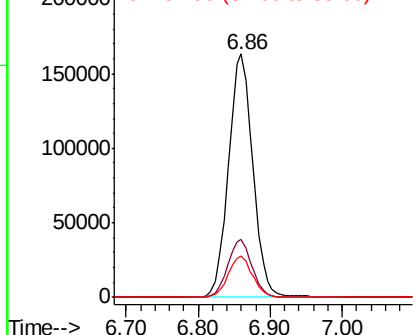
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-OZ(PRE)

Tot Ion:114 Resp: 384324
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 39.8
 88 17.3 0.0 31.4

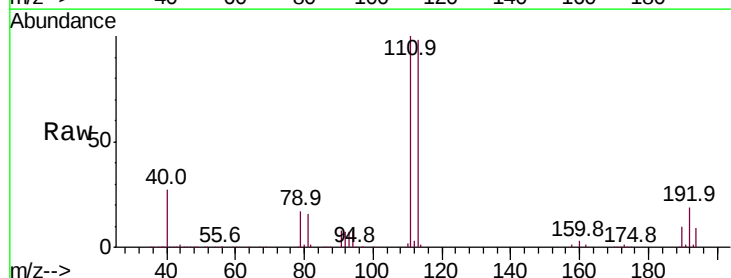


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

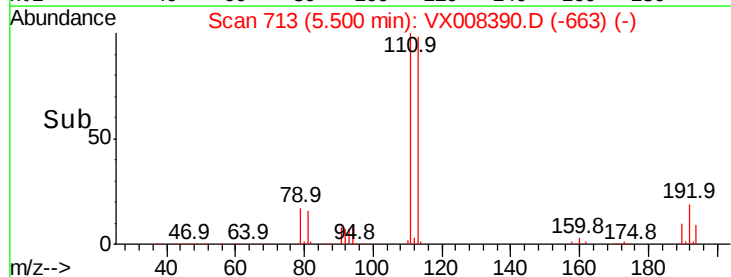
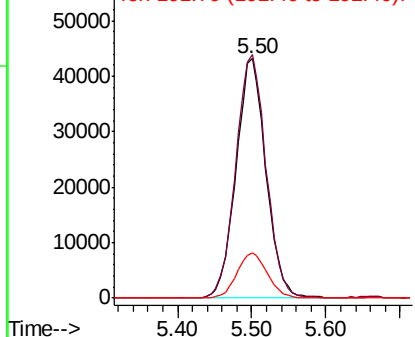


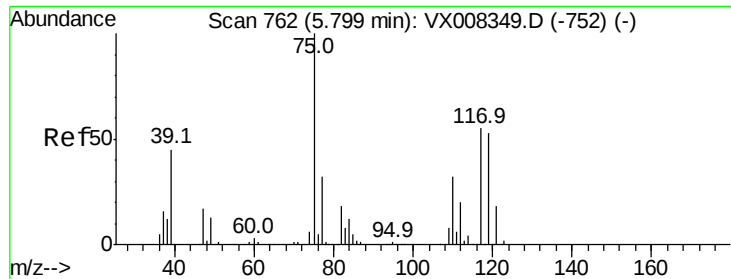
#35
 Dibromofluoromethane
 Concen: 48.979 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

Tgt Ion:113 Resp: 121958
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.0
 192 19.2 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

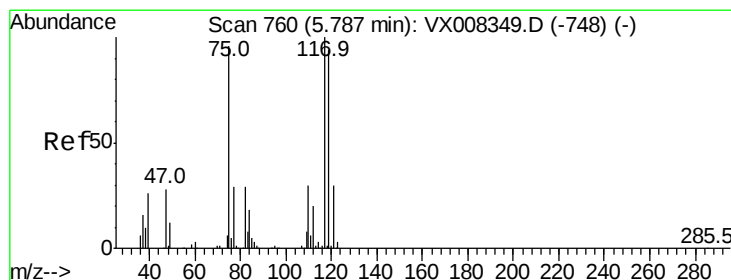
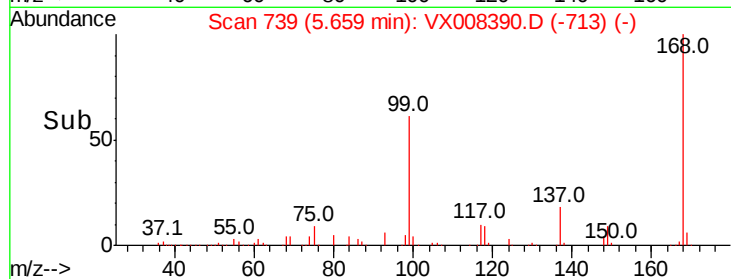
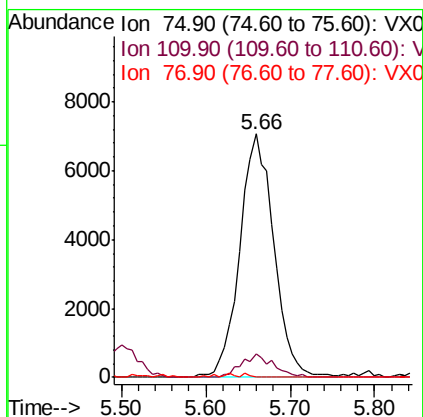
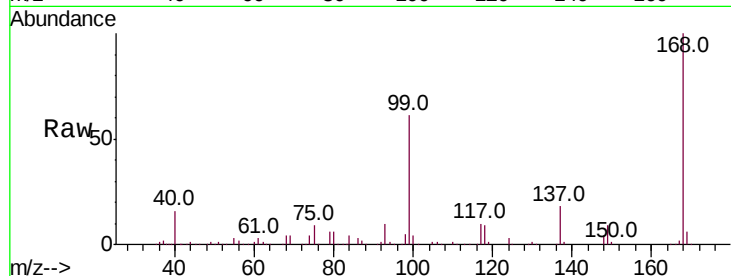




#36
 1,1-Dichloropropene
 Concen: 4.935 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

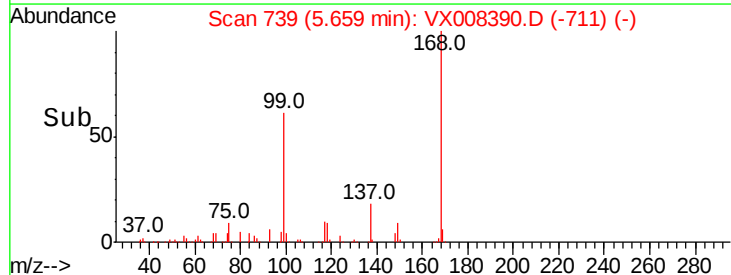
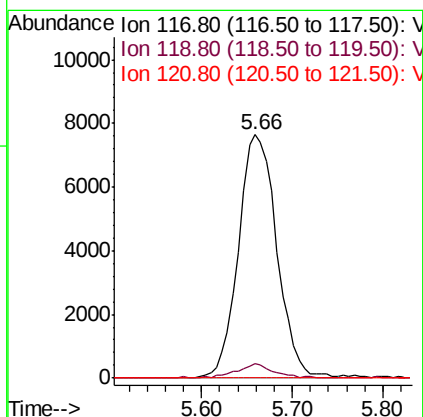
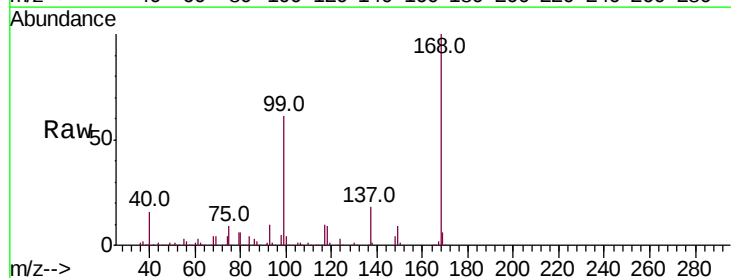
Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-OZ(PRE)

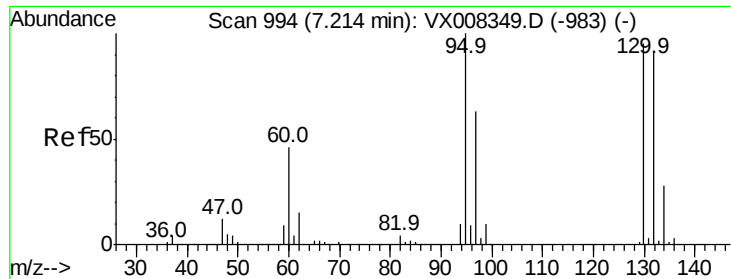
Tot Ion: 75 Resp: 19379
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.0#
 77 0.3 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.676 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

Tgt Ion: 117 Resp: 22473
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.2 114.2#
 121 0.0 24.6 36.8#

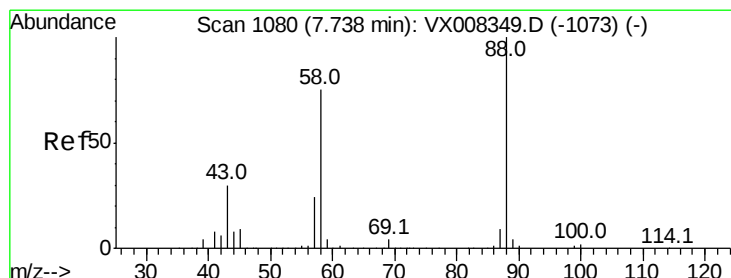
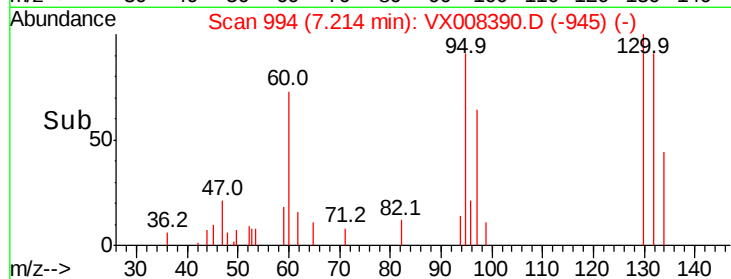
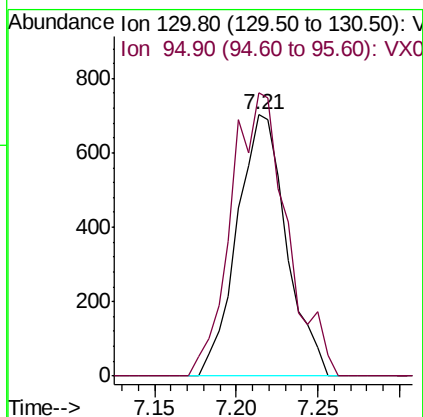
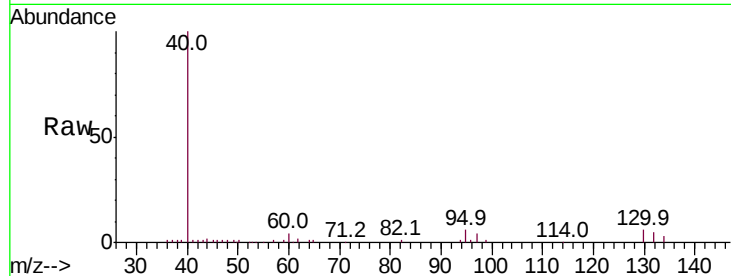




#44
 Trichloroethene
 Concen: 0.532 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

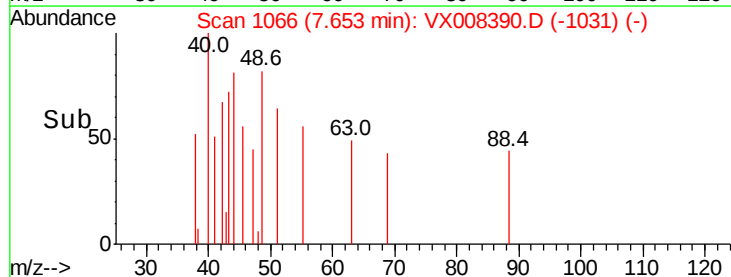
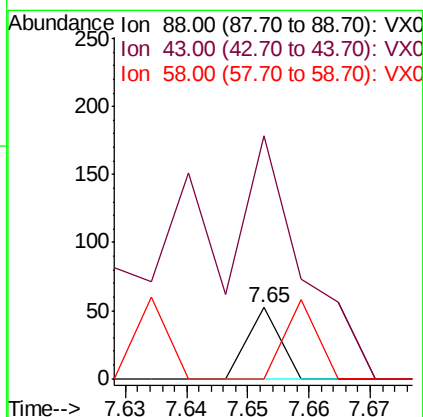
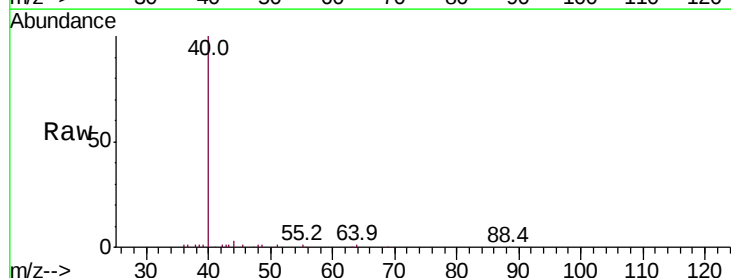
Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-OZ(PRE)

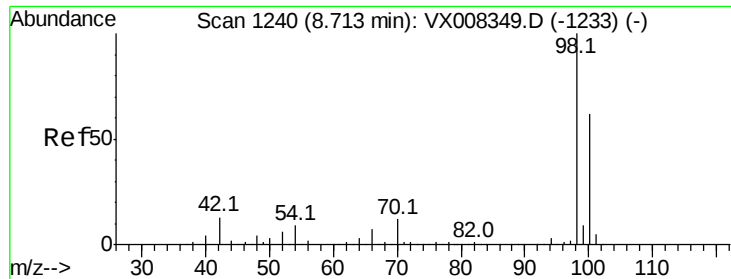
Tot Ion:130 Resp: 1478
 Ion Ratio Lower Upper
 130 100
 95 108.4 0.0 188.0



#49
 1,4-Dioxane
 Concen: 0.225 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.09 min
 Lab File: VX008390.D
 Acq: 24 Mar 2019 14:32

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.1 37.7#
 58 110.5 57.8 86.6#





#50

Toluene-d8

Concen: 49.437 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

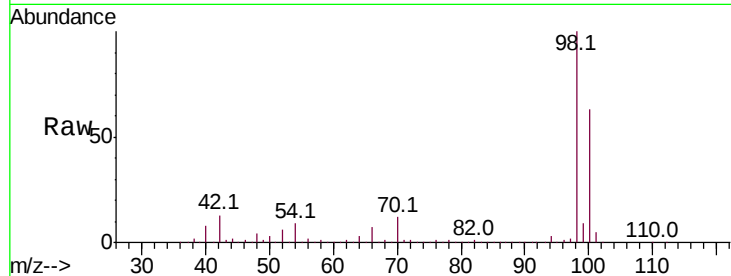
M4-T3-OZ(PRE)

Tot Ion: 98 Resp: 486894

Ion Ratio Lower Upper

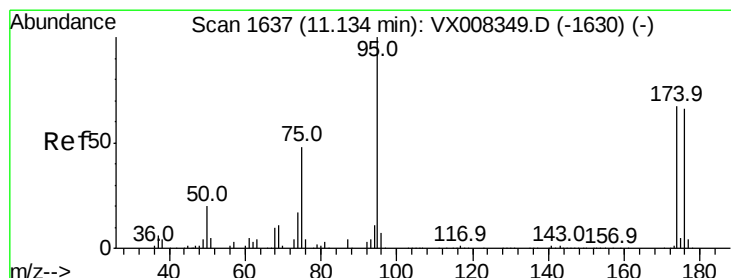
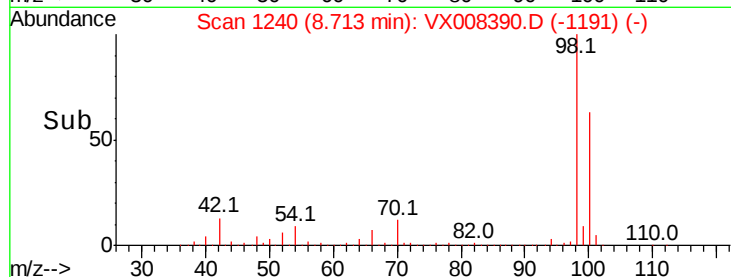
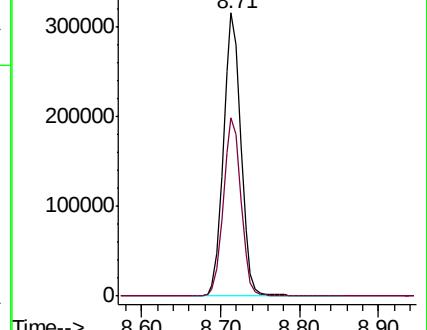
98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.867 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

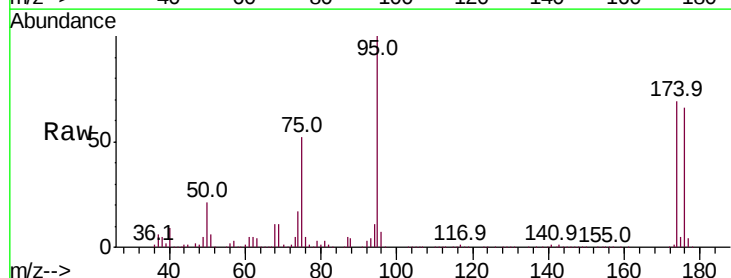
Tgt Ion: 95 Resp: 165857

Ion Ratio Lower Upper

95 100

174 72.4 0.0 182.8

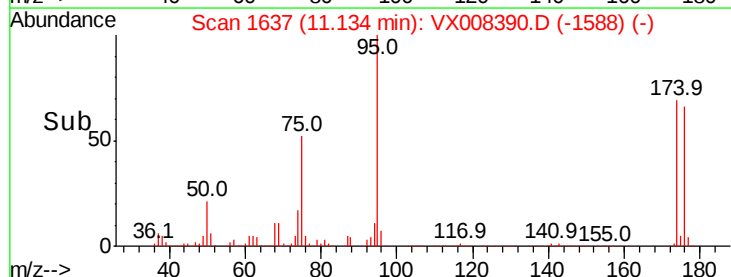
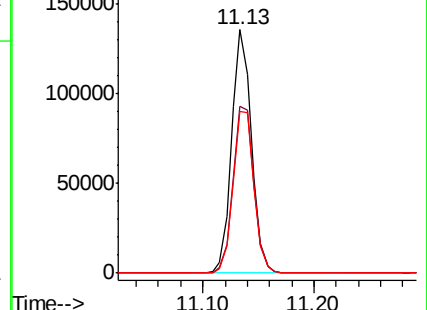
176 70.1 0.0 178.0

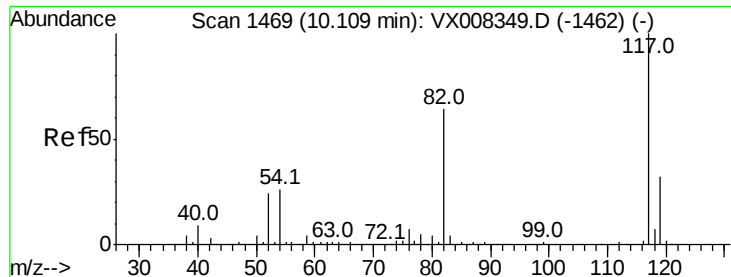


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

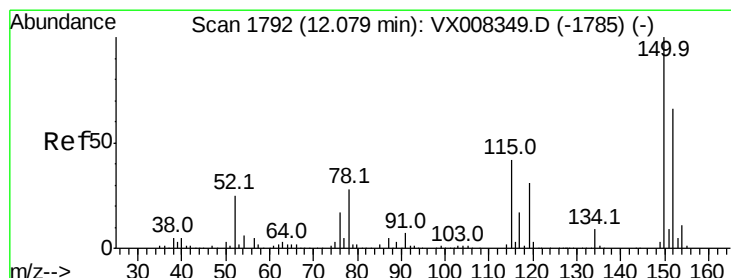
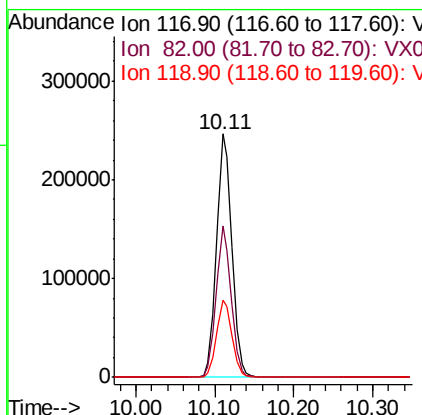
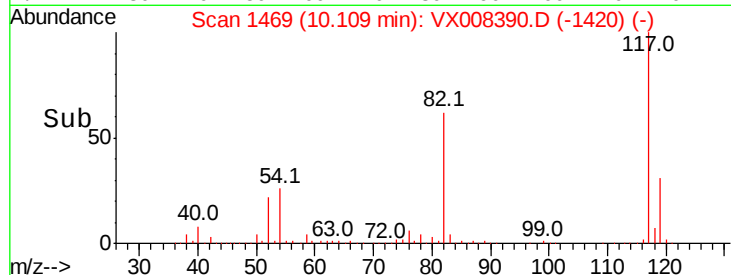
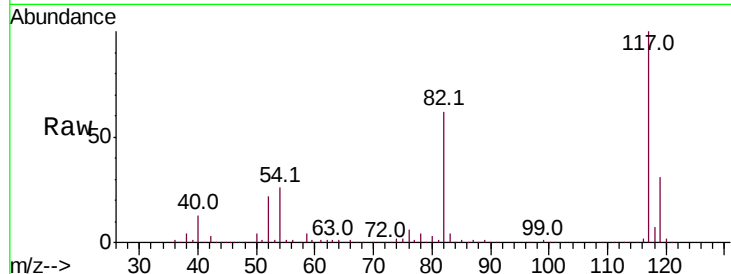




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008390.D
Acq: 24 Mar 2019 14:32

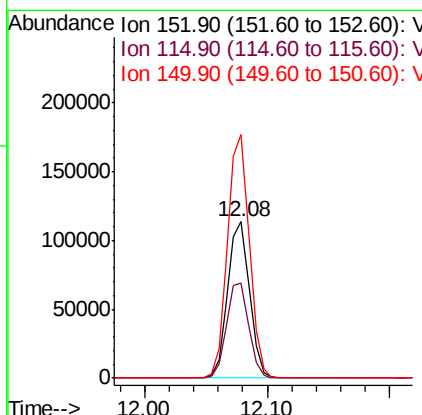
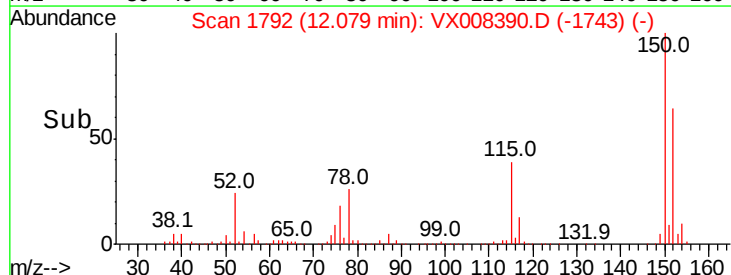
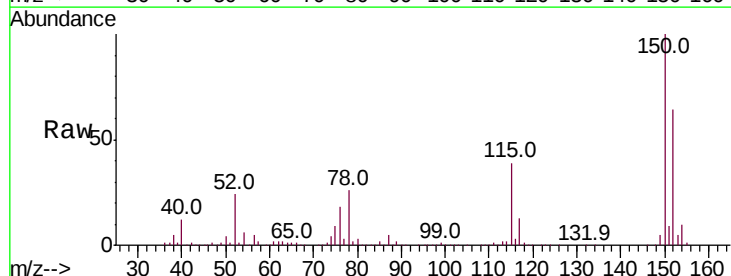
Instrument :
MSVOA_X
ClientSampleId :
M4-T3-OZ(PRE)

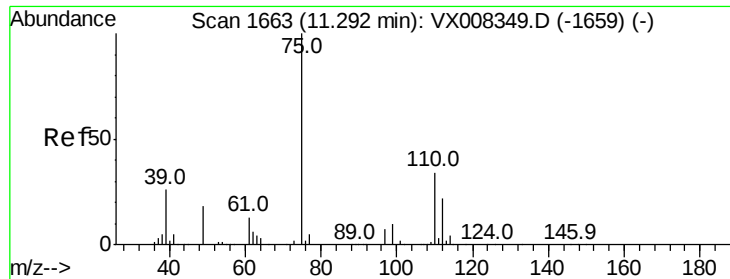
Tot Ion:117 Resp: 336258
Ion Ratio Lower Upper
117 100
82 62.3 44.3 66.5
119 31.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008390.D
Acq: 24 Mar 2019 14:32

Tgt Ion:152 Resp: 139542
Ion Ratio Lower Upper
152 100
115 61.9 38.6 115.7
150 155.7 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 23.432 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

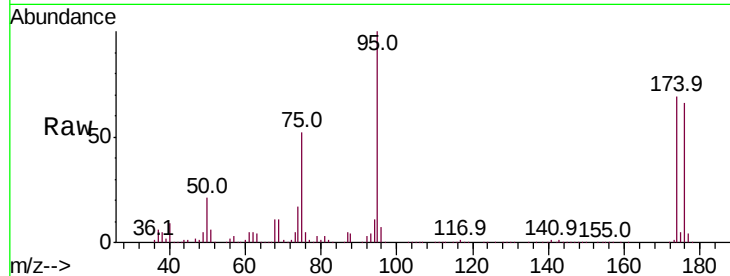
M4-T3-OZ(PRE)

Tot Ion: 75 Resp: 85584

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

11.13

80000

60000

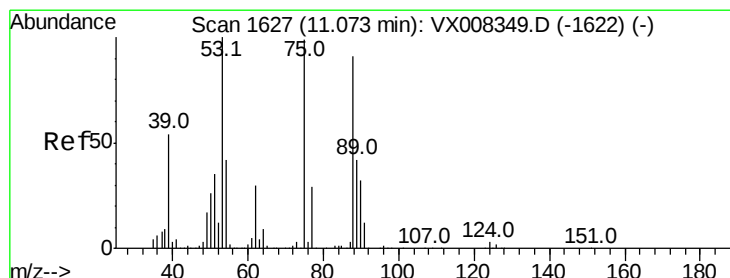
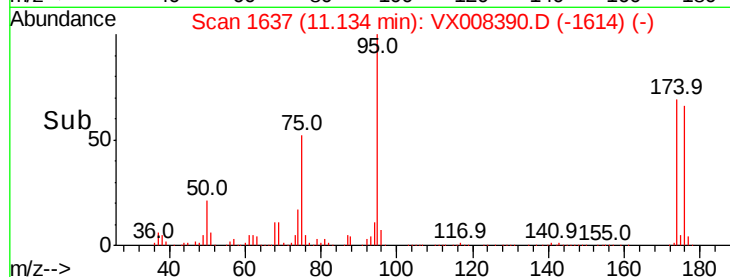
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.774 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008390.D

Acq: 24 Mar 2019 14:32

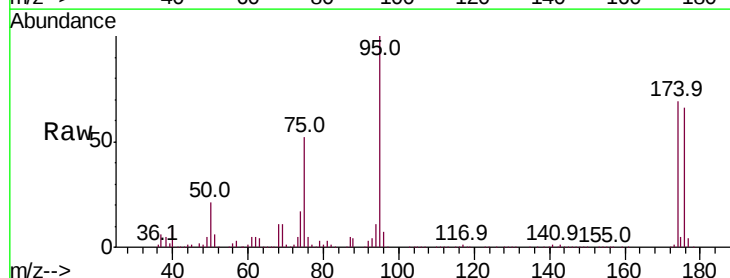
Tgt Ion: 75 Resp: 85584

Ion Ratio Lower Upper

75 100

53 0.1 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

11.13

80000

60000

40000

20000

0

Time-->

11.10 11.20

