

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX092619\
 Data File : VX012680.D
 Acq On : 26 Sep 2019 17:37
 Operator : JC/SP
 Sample : K5049-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Sep 26 23:35:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88533	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	119330	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	5.49	113	85257	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	335500	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	114276	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	

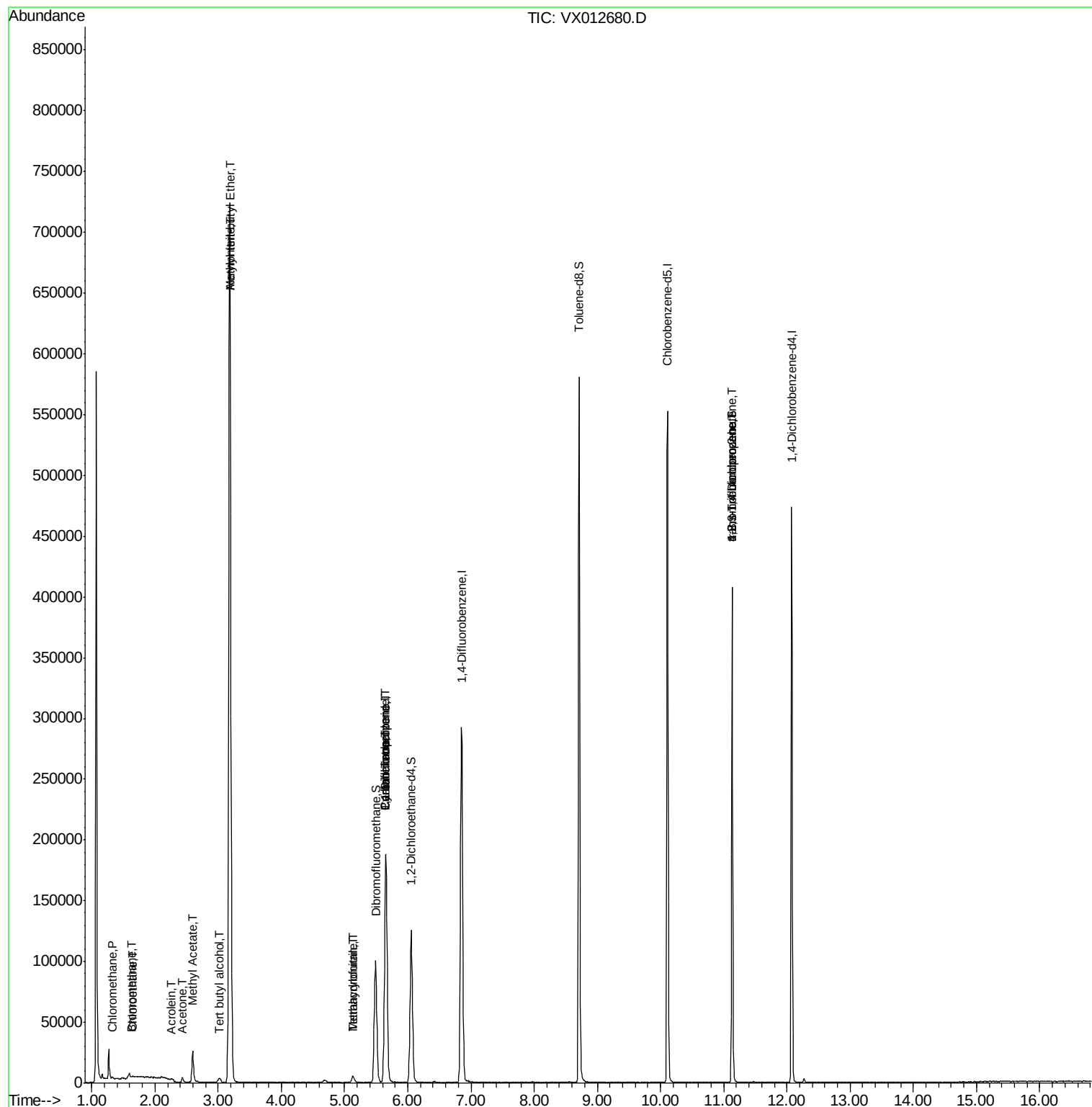
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	425	0.201	ug/l	95
5) Bromomethane	1.64	94	263	0.318	ug/l #	56
6) Chloroethane	1.66	64	742	0.523	ug/l #	45
11) Tert butyl alcohol	3.02	59	3730	6.255	ug/l #	72
13) Acrolein	2.27	56	78	10.458	ug/l #	1
15) Acrylonitrile	3.18	53	8292	6.854	ug/l #	29
16) Acetone	2.44	43	3995	3.160	ug/l	93
18) Methyl Acetate	2.60	43	7516	2.524	ug/l #	54
19) Methyl tert-butyl Ether	3.19	73	822906	123.350	ug/l	97
29) Tetrahydrofuran	5.13	42	4874	4.411	ug/l	97
31) Cyclohexane	5.65	56	4083	1.229	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14922	5.403	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18271	6.513	ug/l #	16
41) Methacrylonitrile	5.12	41	3206	1.770	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	59363	25.348	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	59363	72.642	ug/l #	8

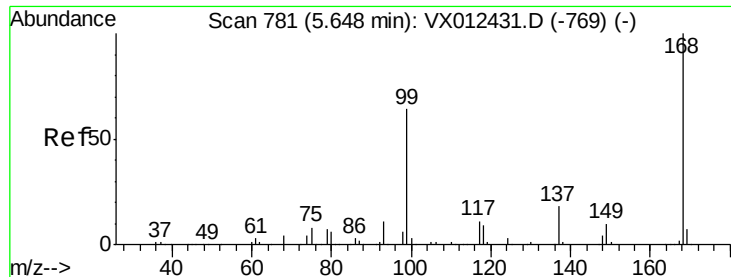
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
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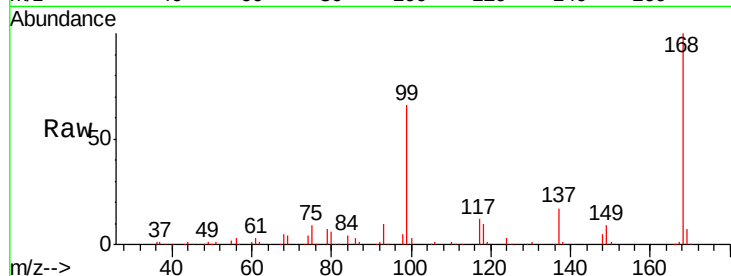




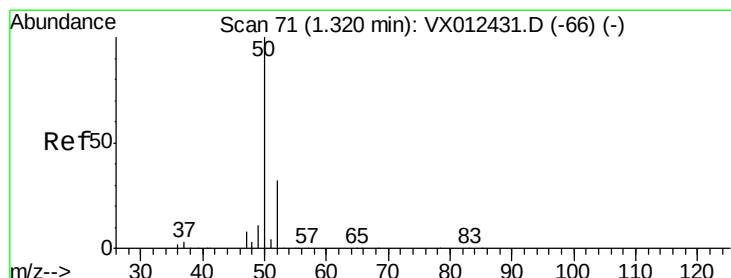
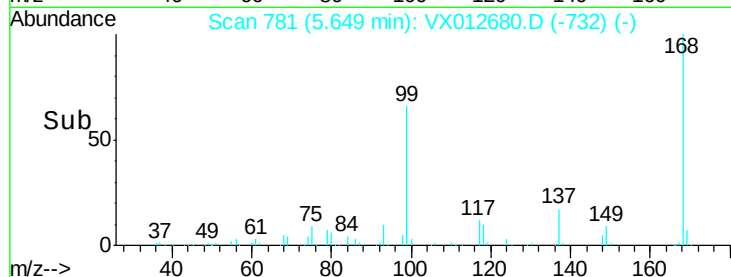
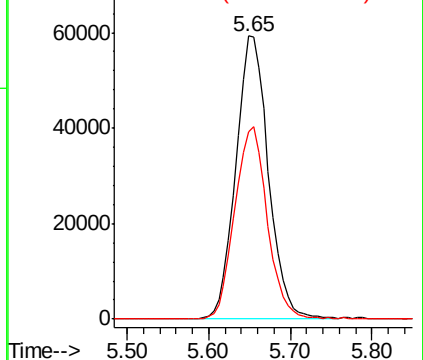
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion:168 Resp: 163928
Ion Ratio Lower Upper
168 100
99 66.1 51.4 77.2

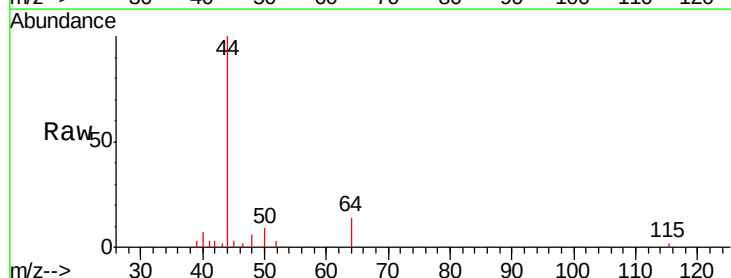


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

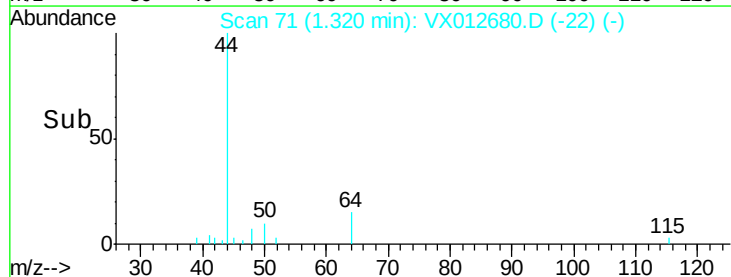
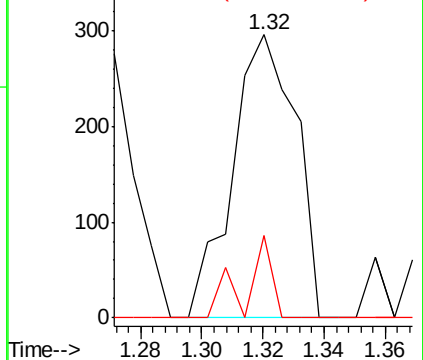


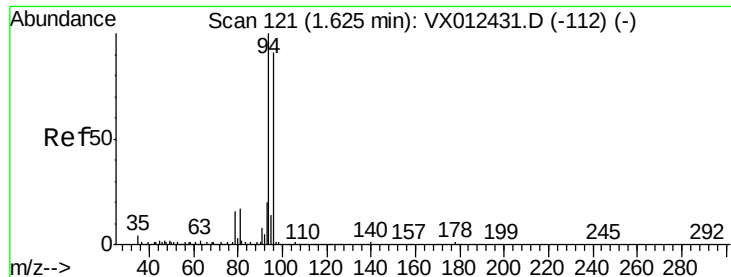
#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

Tgt Ion: 50 Resp: 425
Ion Ratio Lower Upper
50 100
52 29.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.318 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

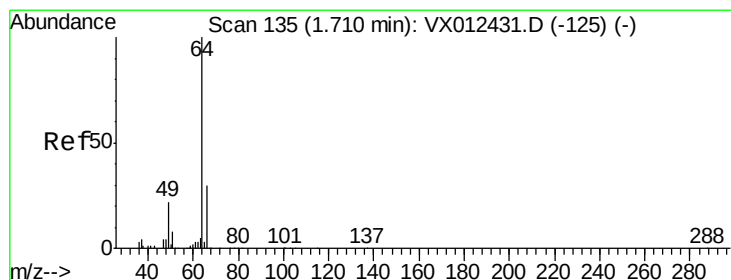
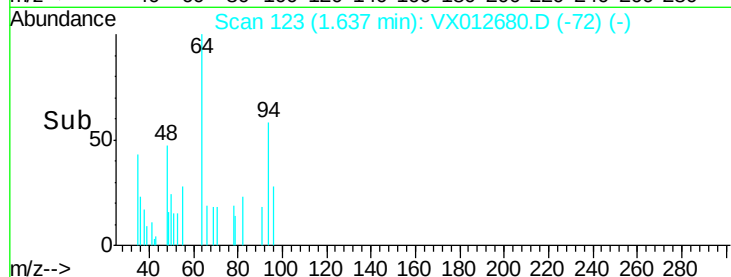
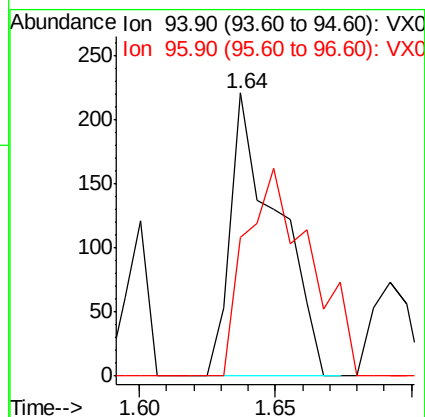
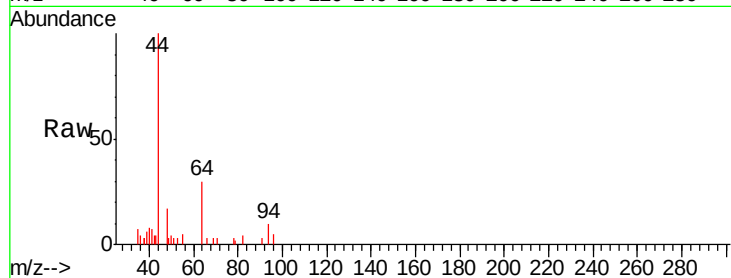
MW-4

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 48.9 72.8 109.2#



#6

Chloroethane

Concen: 0.523 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX012680.D

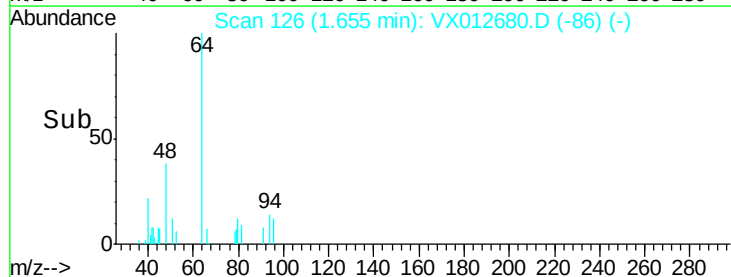
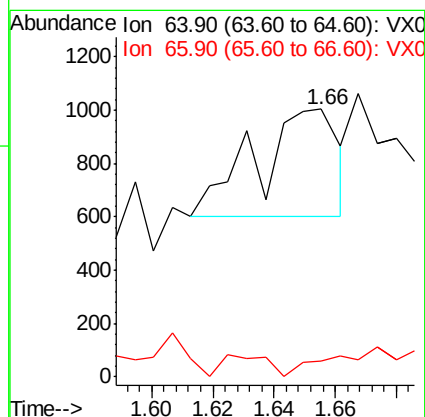
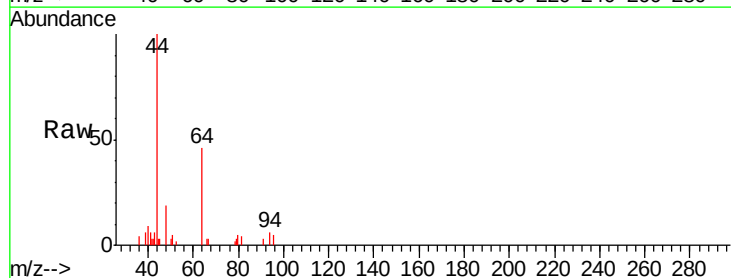
Acq: 26 Sep 2019 17:37

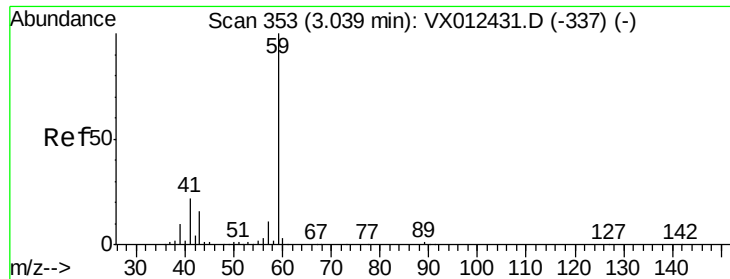
Tgt Ion: 64 Resp: 742

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#

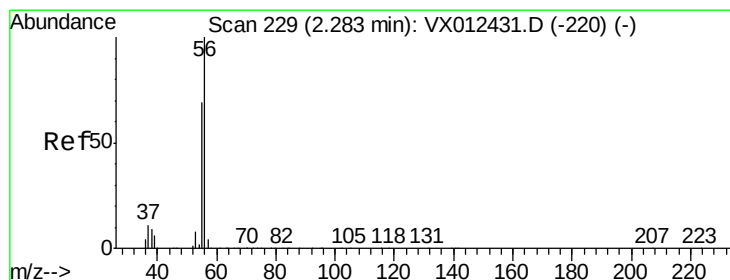
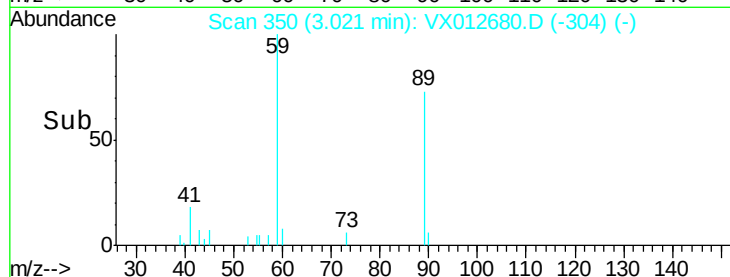
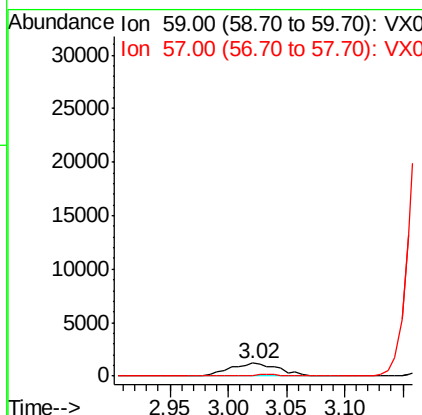
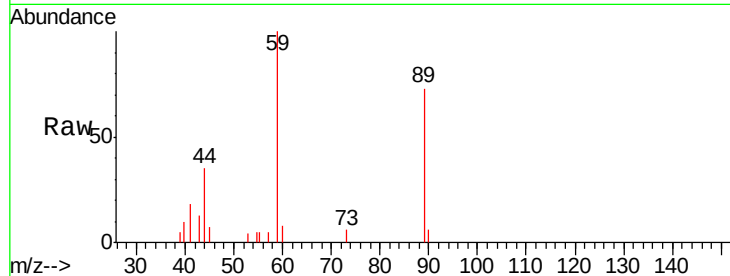




#11
Tert butyl alcohol
Concen: 6.255 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

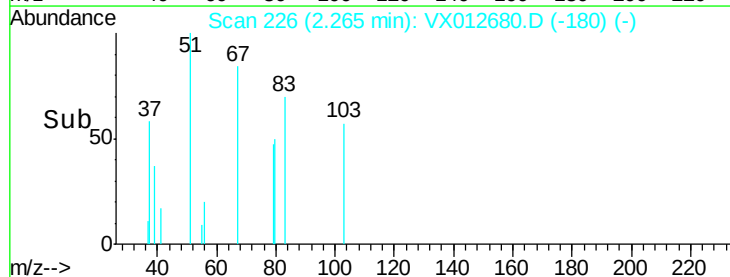
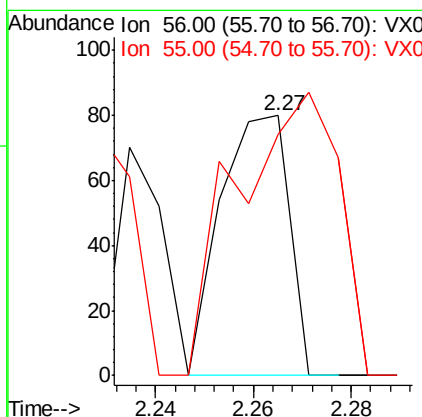
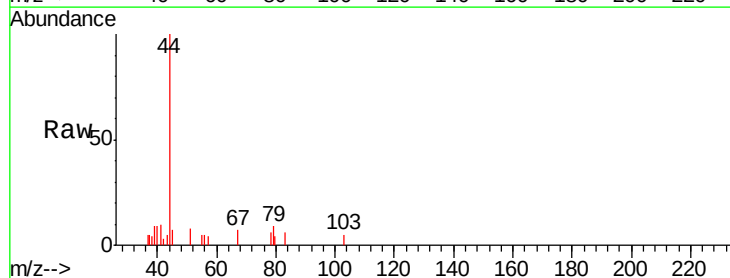
Instrument :
MSVOA_X
ClientSampleId :
MW-4

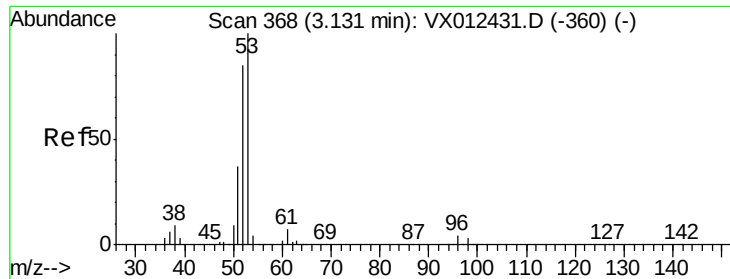
Tgt Ion: 59 Resp: 3730
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.458 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 162.8 55.8 83.8#

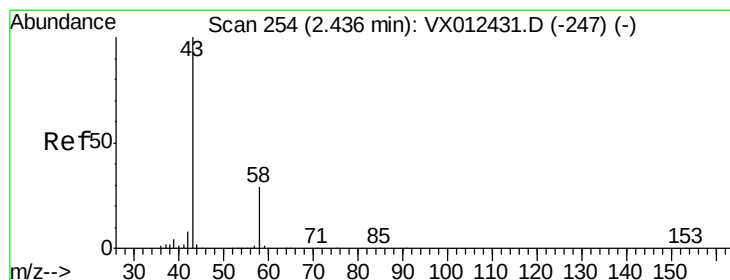
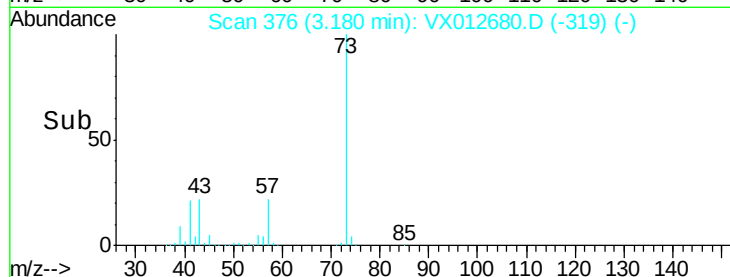
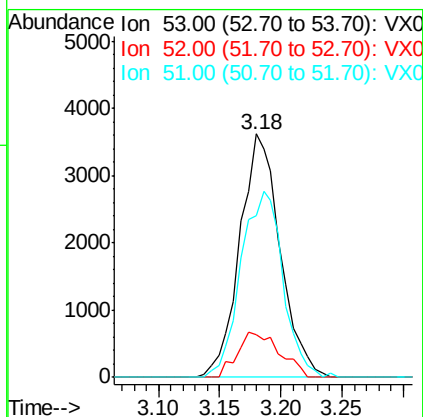
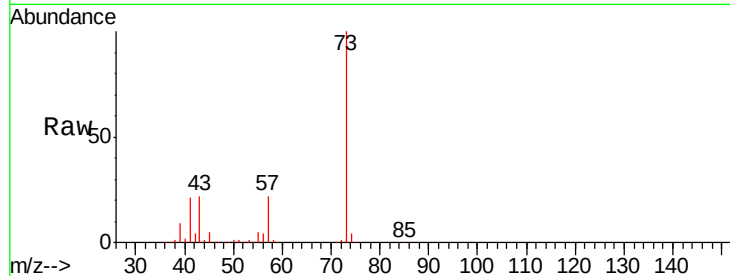




#15
 Acrylonitrile
 Concen: 6.854 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.05 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

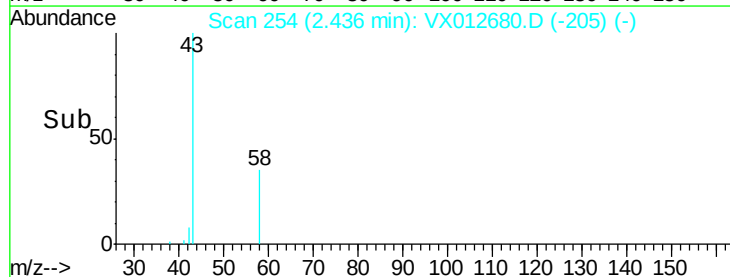
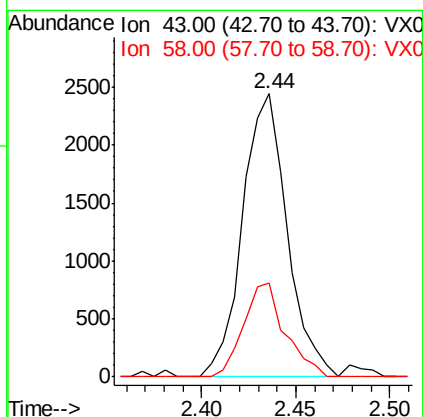
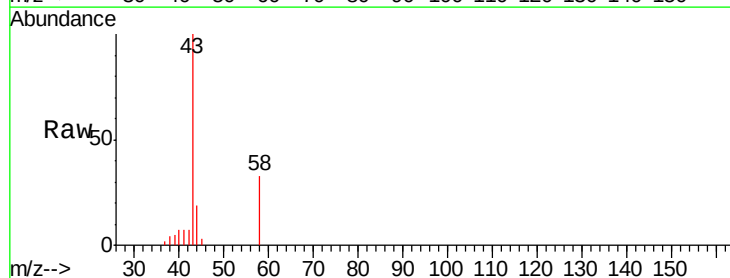
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

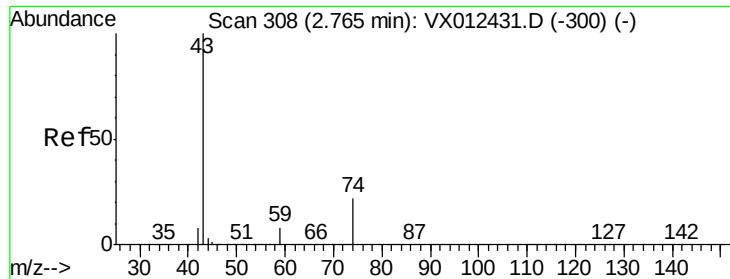
Tgt Ion: 53 Resp: 8292
 Ion Ratio Lower Upper
 53 100
 52 19.2 67.0 100.4#
 51 79.5 29.6 44.4#



#16
 Acetone
 Concen: 3.160 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

Tgt Ion: 43 Resp: 3995
 Ion Ratio Lower Upper
 43 100
 58 33.1 23.3 34.9

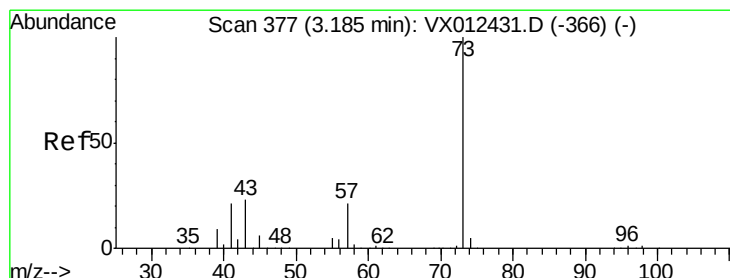
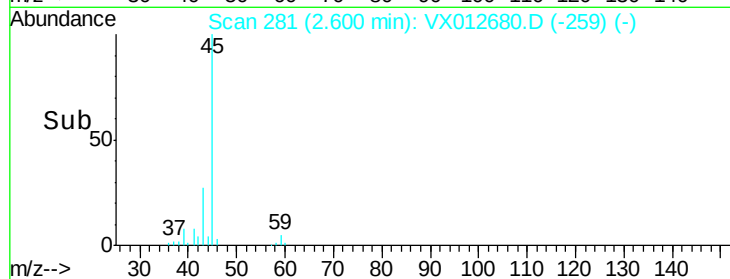
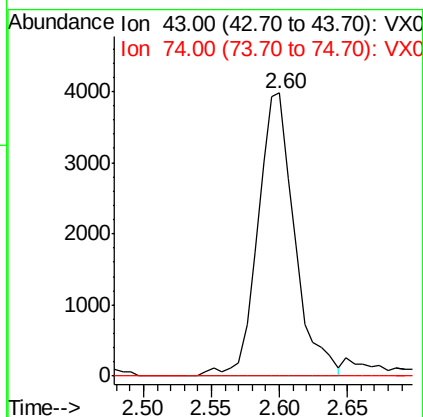
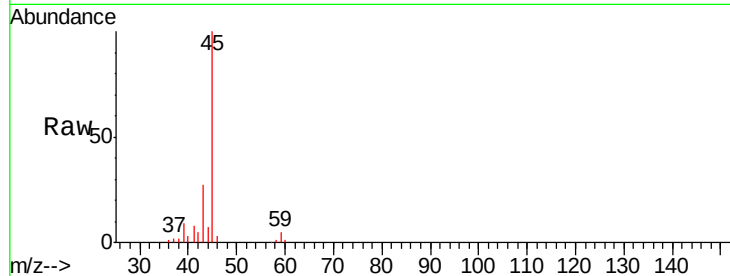




#18
Methyl Acetate
Concen: 2.524 ug/l
RT: 2.60 min Scan# 281
Delta R.T. -0.16 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

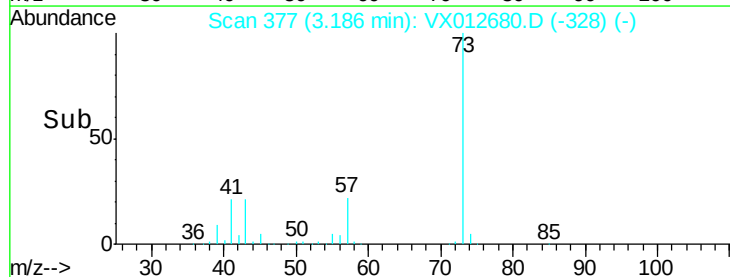
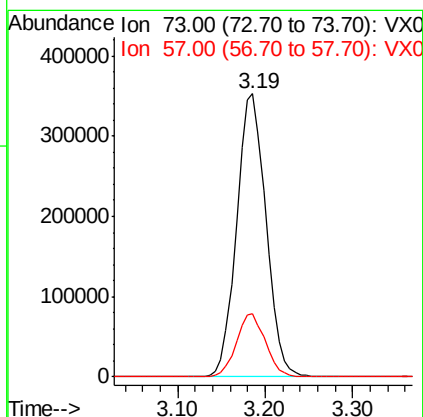
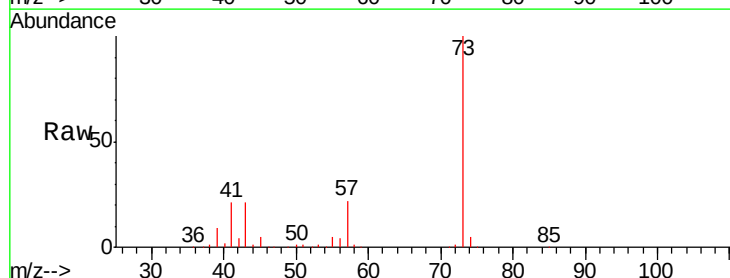
Instrument :
MSVOA_X
ClientSampled :
MW-4

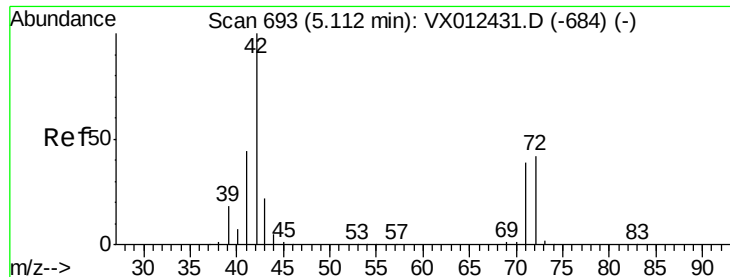
Tgt Ion: 43 Resp: 7516
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#19
Methyl tert-butyl Ether
Concen: 123.350 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

Tgt Ion: 73 Resp: 822906
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2





#29

Tetrahydrofuran

Concen: 4.411 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

MW-4

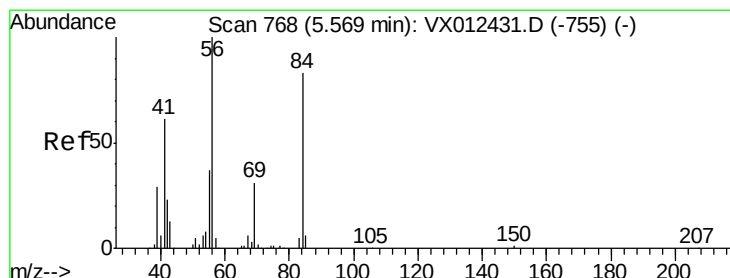
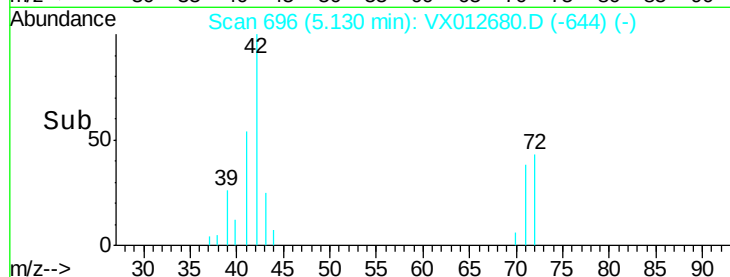
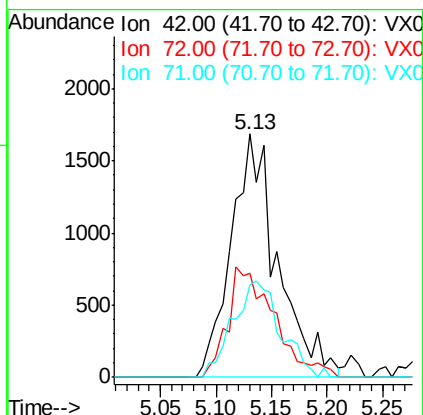
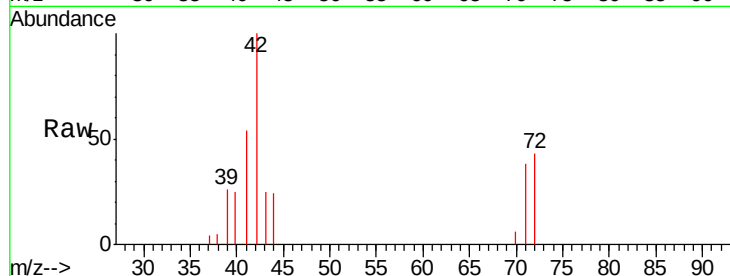
Tgt Ion: 42 Resp: 4874

Ion Ratio Lower Upper

42 100

72 45.4 34.0 51.0

71 40.5 31.5 47.3



#31

Cyclohexane

Concen: 1.229 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

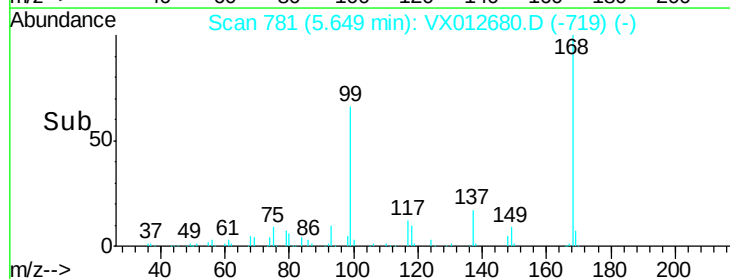
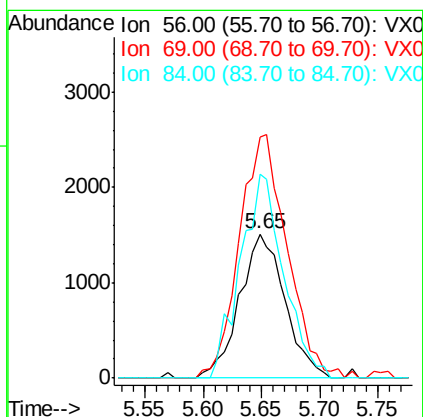
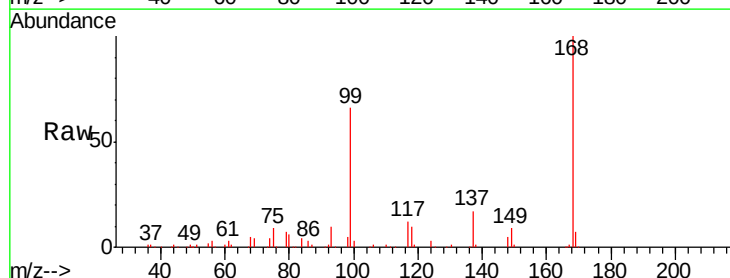
Tgt Ion: 56 Resp: 4083

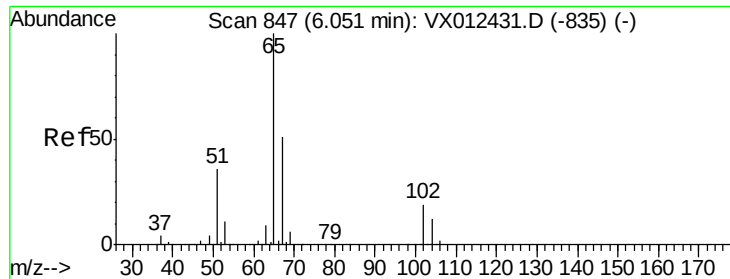
Ion Ratio Lower Upper

56 100

69 167.2 25.0 37.6#

84 141.7 66.4 99.6#

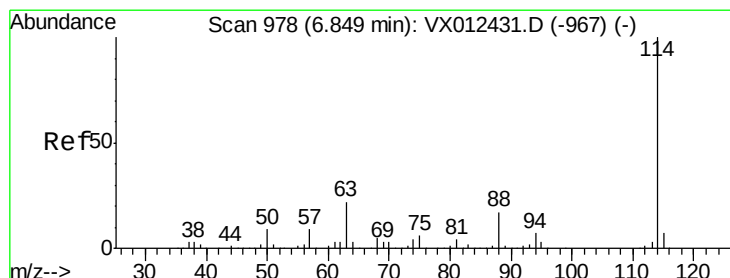
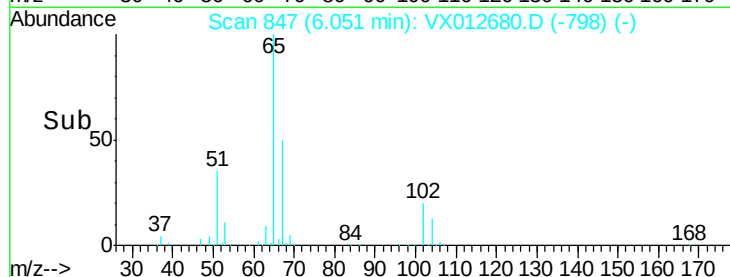
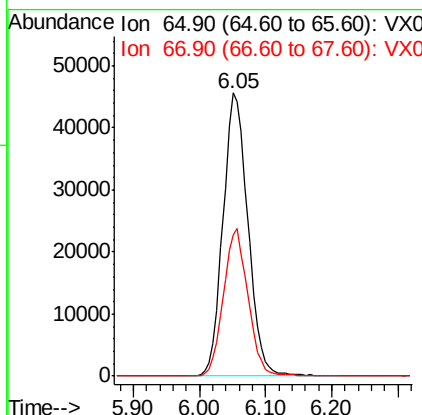
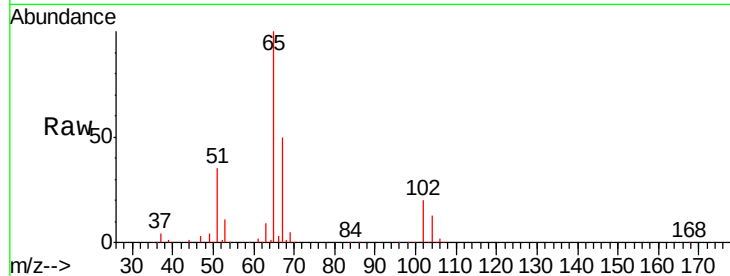




#33
 1,2-Dichloroethane-d4
 Concen: 49.989 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

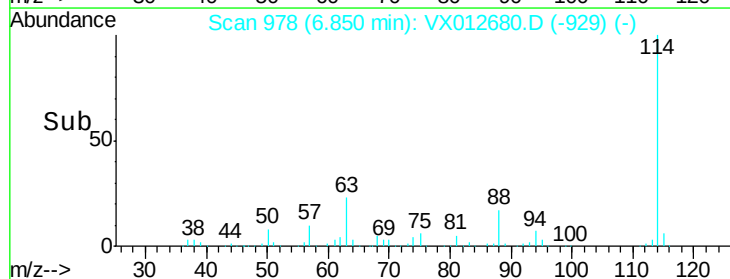
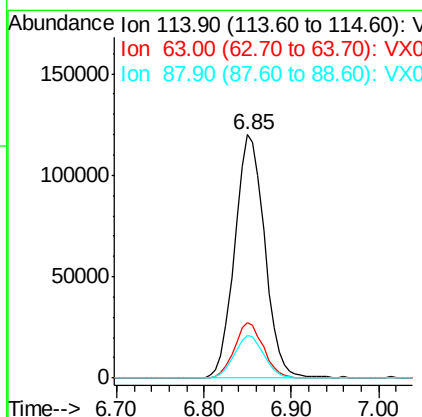
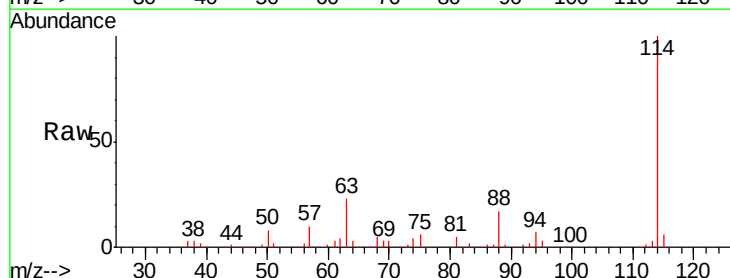
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

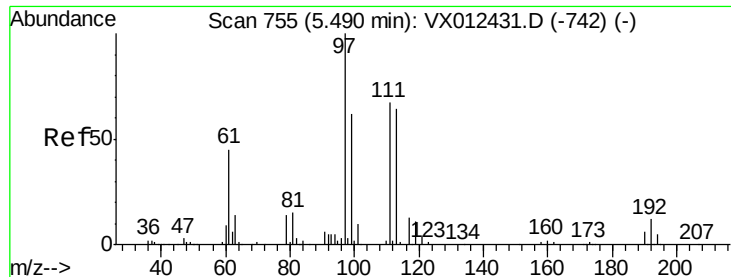
Tgt Ion: 65 Resp: 119330
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

Tgt Ion: 114 Resp: 286520
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.2
 88 17.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.965 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

MW-4

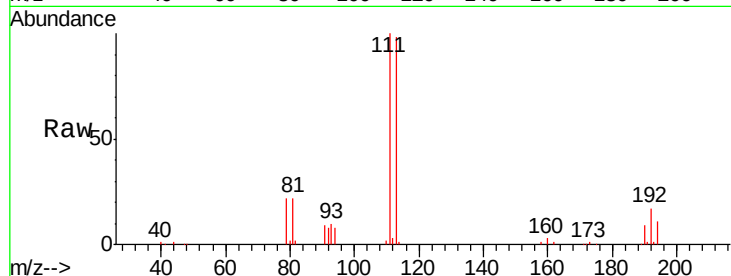
Tgt Ion:113 Resp: 85257

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

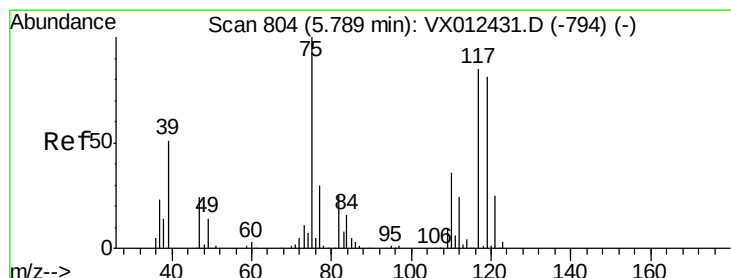
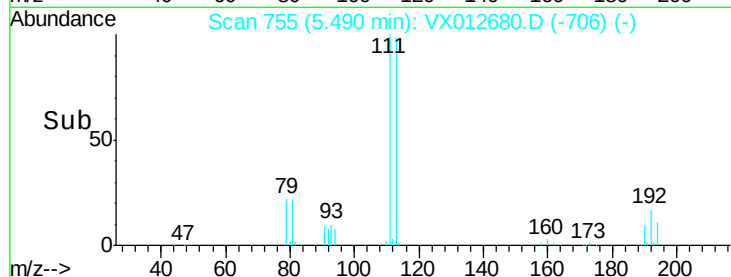
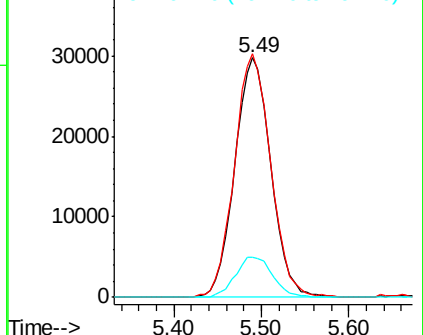
192 17.4 14.4 21.6



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: 5.403 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

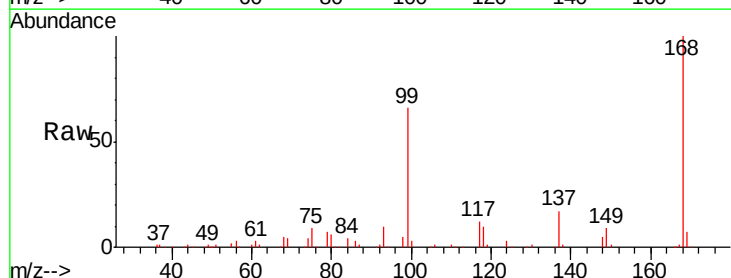
Tgt Ion: 75 Resp: 14922

Ion Ratio Lower Upper

75 100

110 10.0 16.7 50.0#

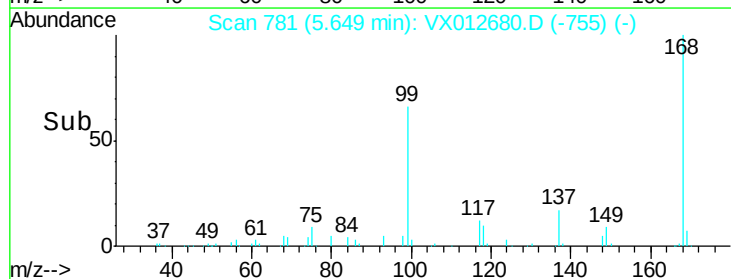
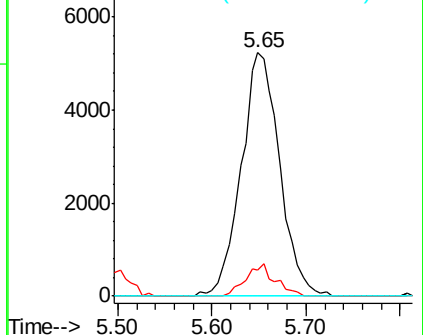
77 0.0 24.2 36.2#

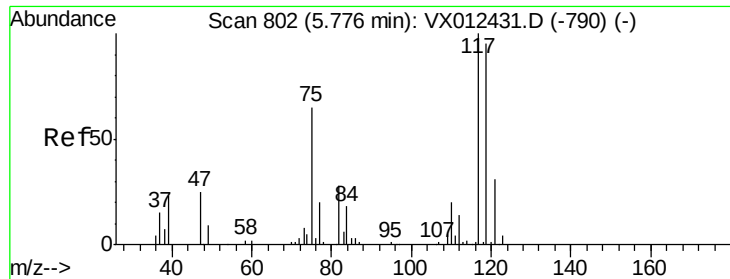


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.513 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

MW-4

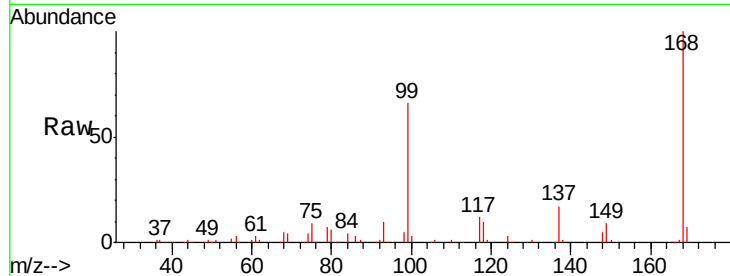
Tgt Ion: 117 Resp: 18271

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

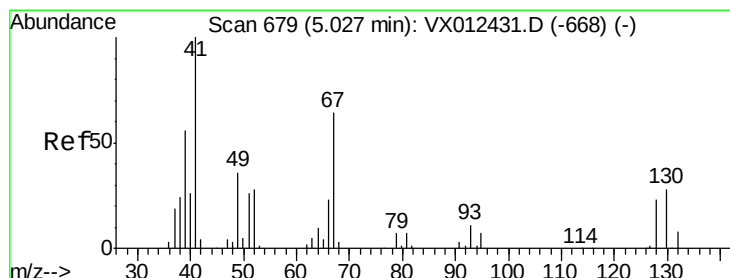
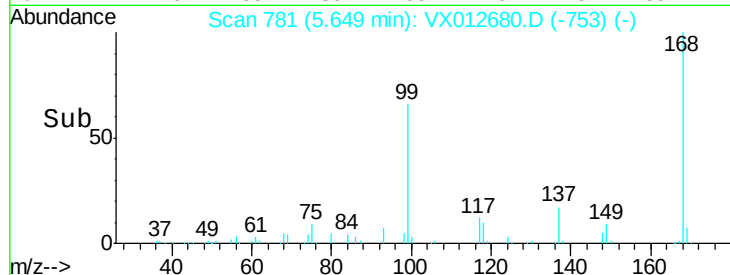
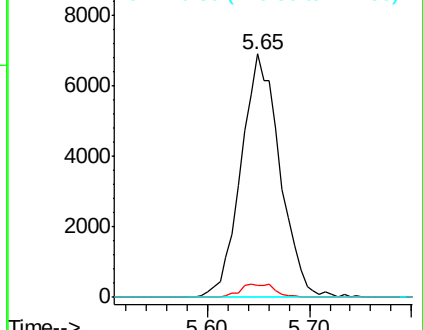
121 0.0 24.2 36.4#



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



#41

Methacrylonitrile

Concen: 1.770 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.10 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Tgt Ion: 41 Resp: 3206

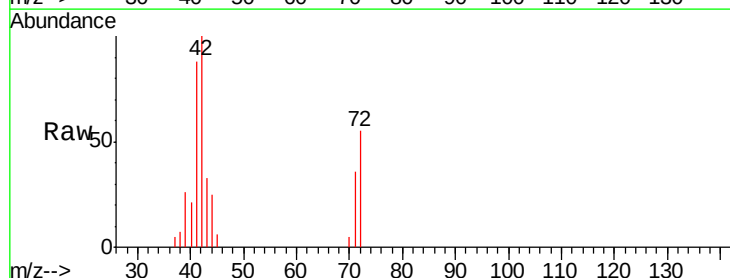
Ion Ratio Lower Upper

41 100

39 37.7 46.0 69.0#

67 0.0 52.2 78.2#

52 0.0 22.7 34.1#

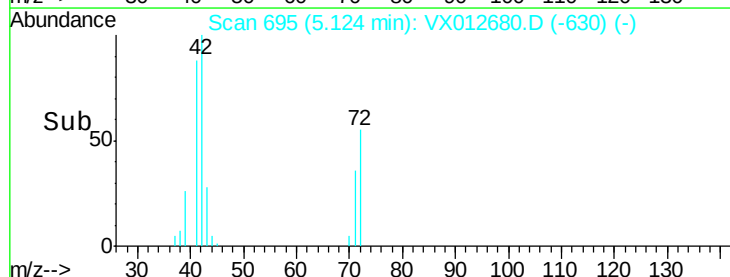
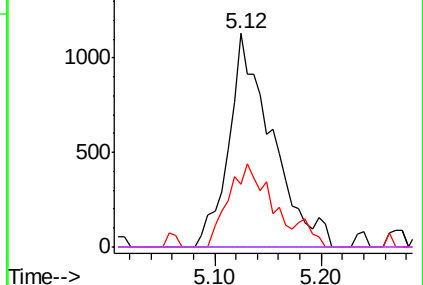


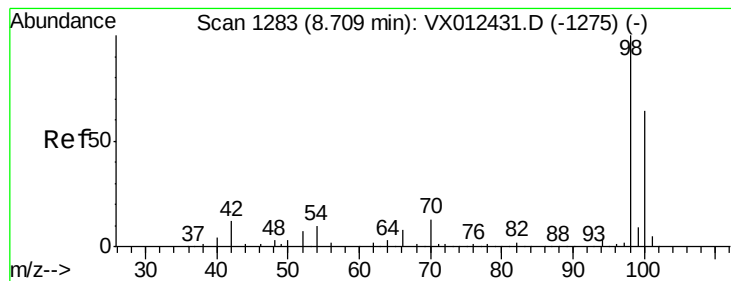
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 51.056 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

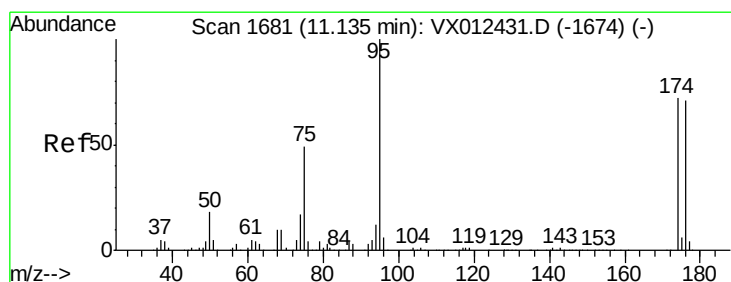
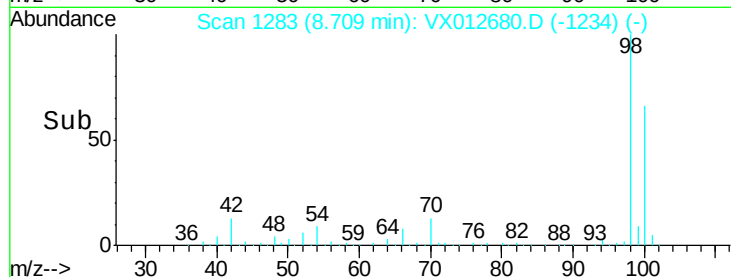
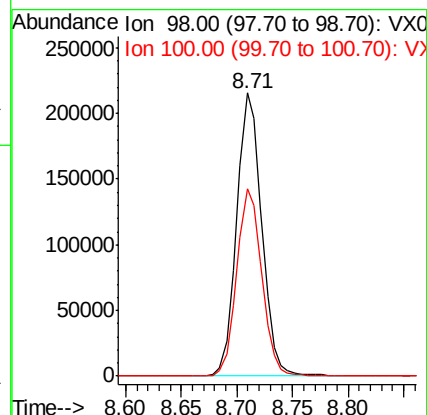
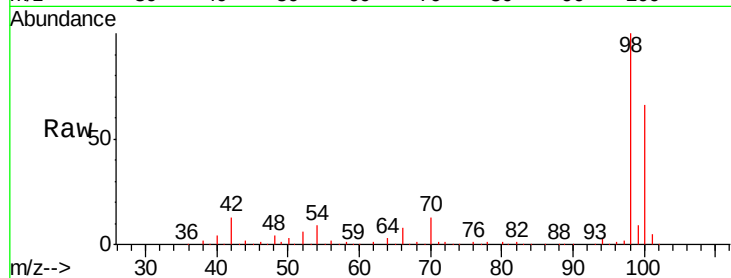
MW-4

Tgt Ion: 98 Resp: 335500

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 44.227 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

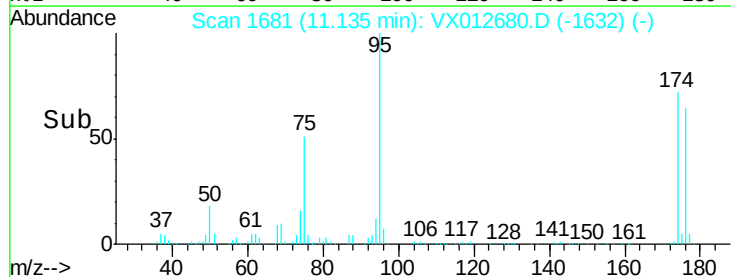
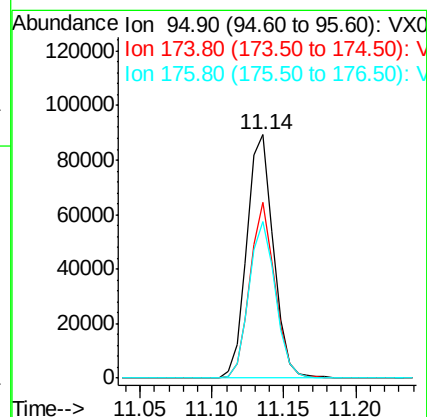
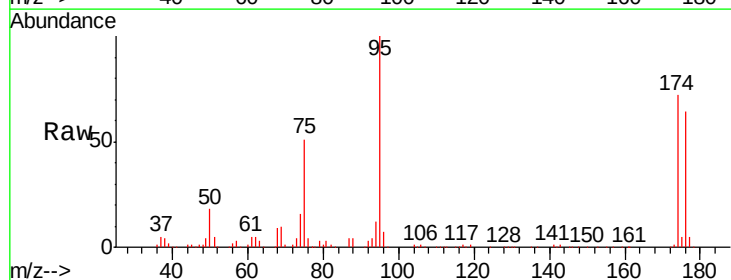
Tgt Ion: 95 Resp: 114276

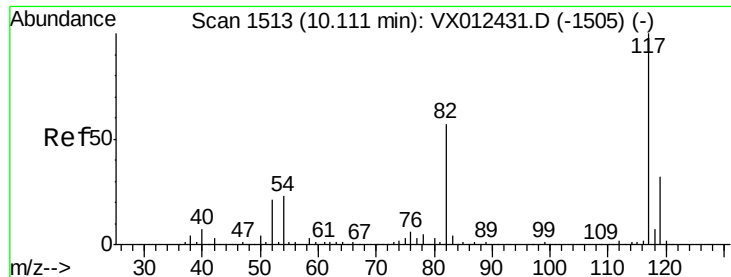
Ion Ratio Lower Upper

95 100

174 67.7 0.0 140.0

176 64.1 0.0 135.4

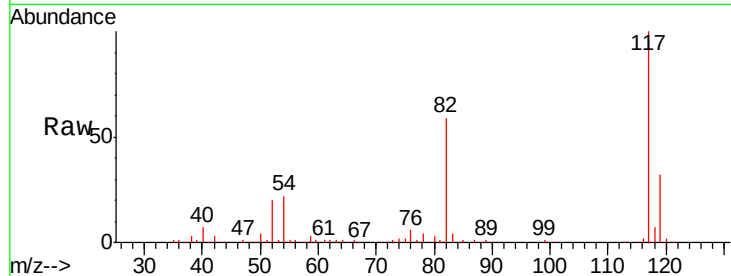




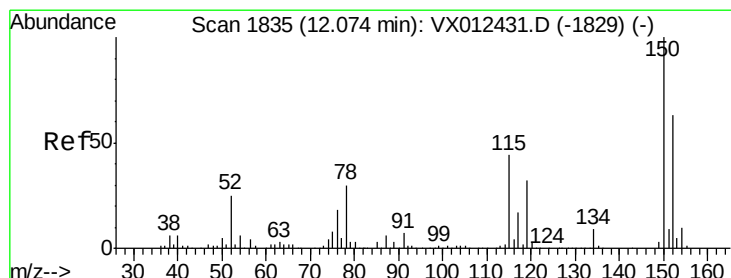
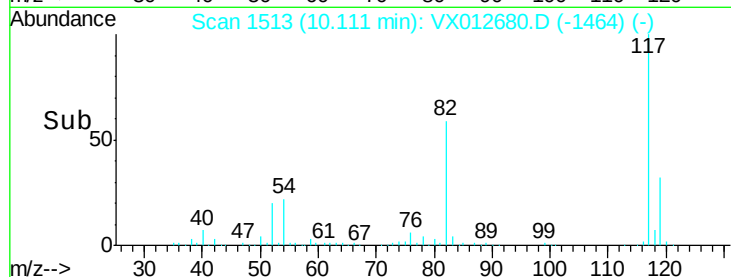
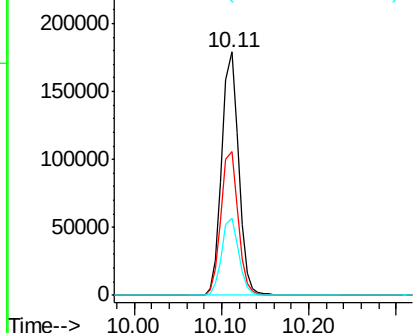
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion:117 Resp: 239902
Ion Ratio Lower Upper
117 100
82 58.9 45.9 68.9
119 31.9 25.3 37.9

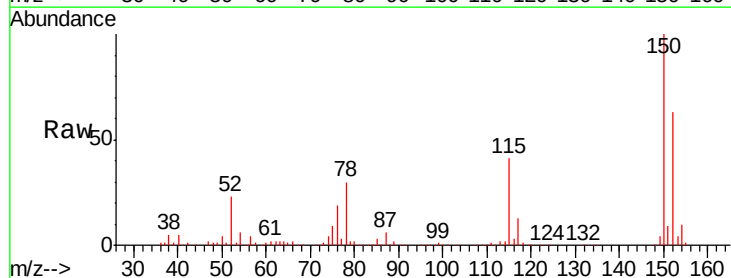


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

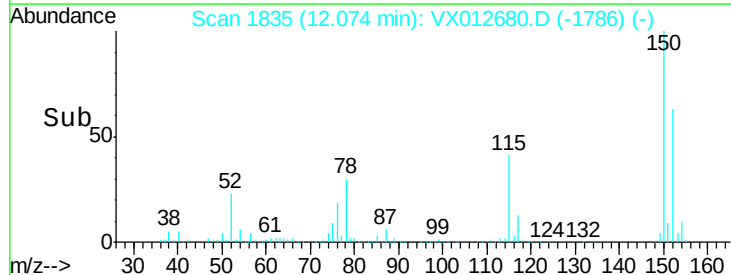
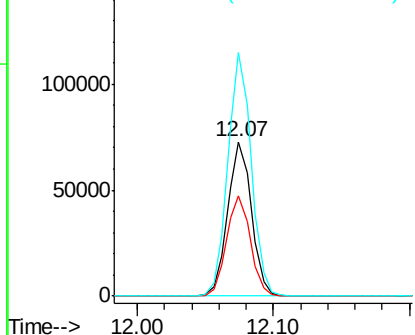


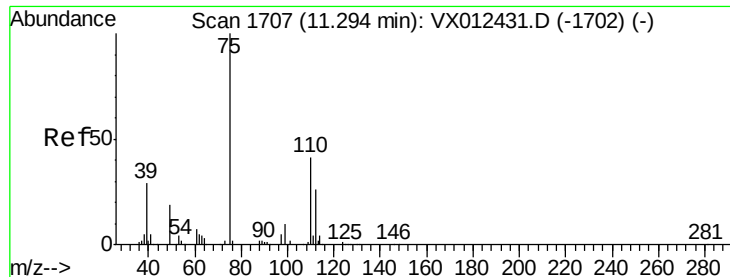
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012680.D
Acq: 26 Sep 2019 17:37

Tgt Ion:152 Resp: 88533
Ion Ratio Lower Upper
152 100
115 65.5 44.1 132.3
150 155.0 0.0 343.8



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





#76

1,2,3-Trichloropropane

Concen: 25.348 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

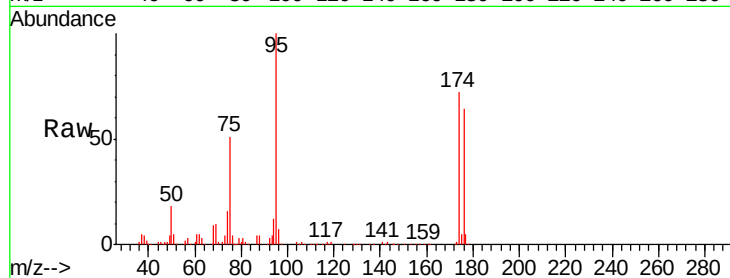
MW-4

Tgt Ion: 75 Resp: 59363

Ion Ratio Lower Upper

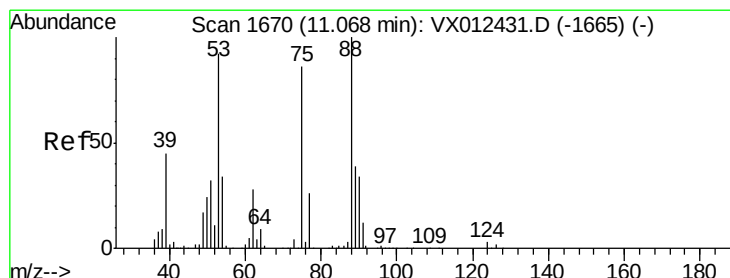
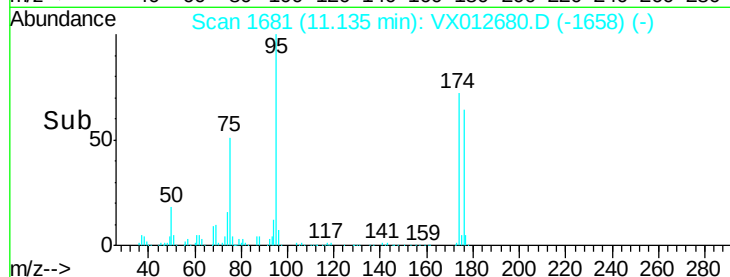
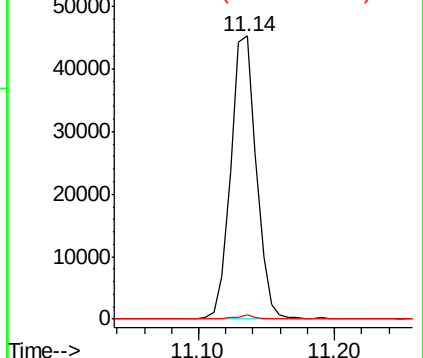
75 100

77 1.1 19.7 59.0#



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: 72.642 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

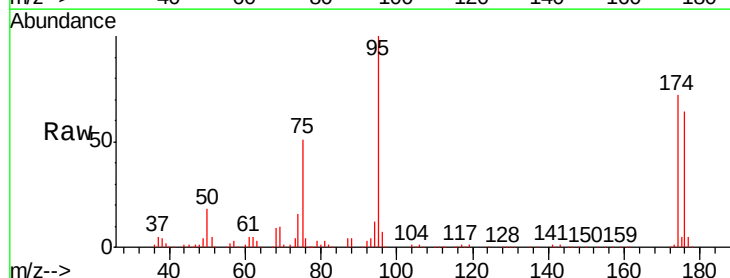
Tgt Ion: 75 Resp: 59363

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

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

