

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004055.D
 Acq On : 15 Aug 2018 03:54
 Operator : JC/MD
 Sample : J4439-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-292-SRI3

Quant Time: Aug 15 09:40:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	436158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223720	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	199092	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	5.50	113	171305	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	8.72	98	615080	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.14	95	209221	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

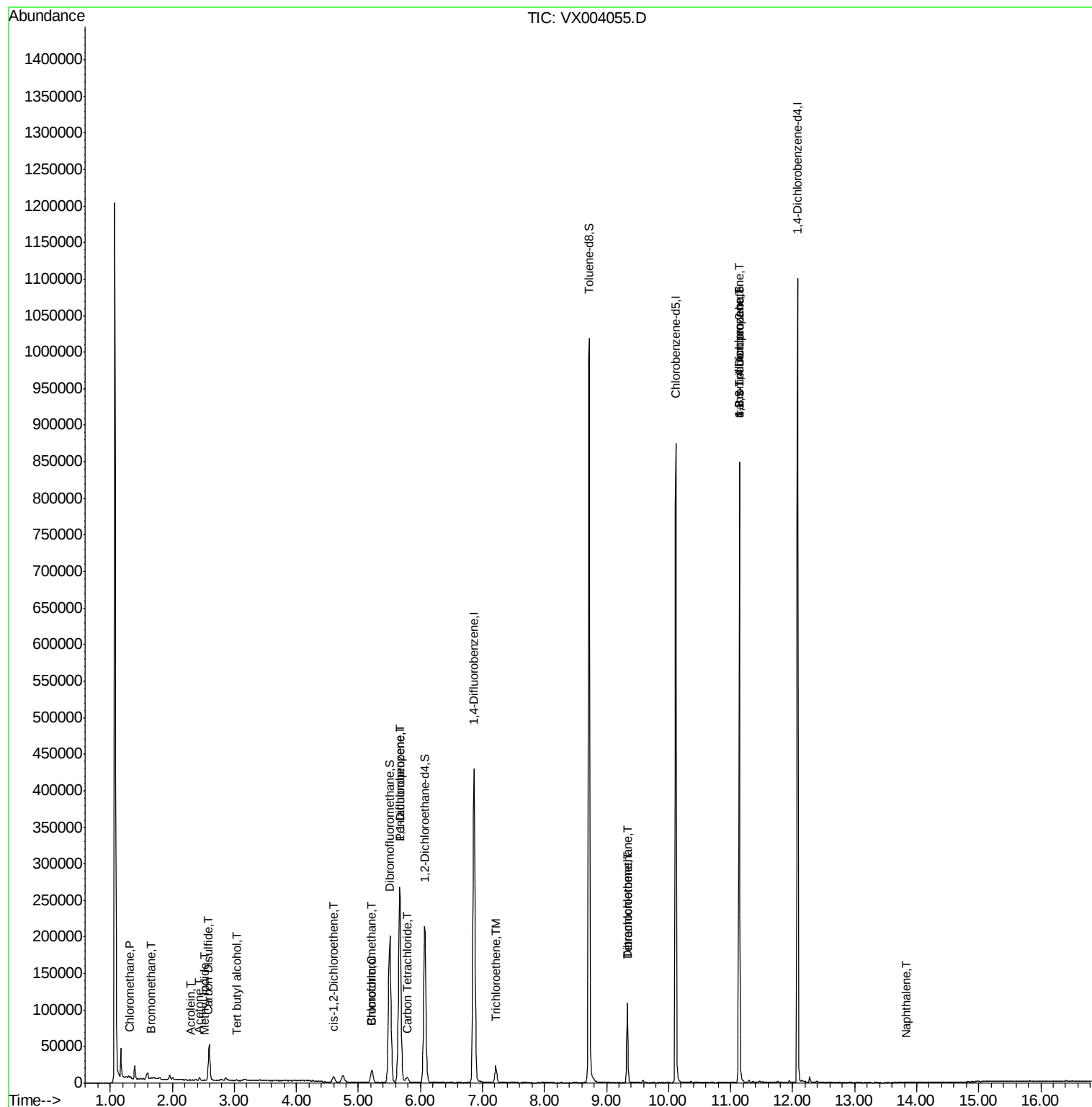
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1329	0.415	ug/l #	86
5) Bromomethane	1.65	94	1101	0.450	ug/l	98
6) Chloroethane	1.70	64	1552	Below Cal	#	42
10) Methyl Iodide	2.52	142	639	5.188	ug/l #	88
11) Tert butyl alcohol	3.03	59	1190	1.565	ug/l #	87
13) Acrolein	2.29	56	49	11.040	ug/l #	1
16) Acetone	2.44	43	4113	2.096	ug/l	92
17) Carbon Disulfide	2.57	76	3267	0.409	ug/l #	94
20) Methylene Chloride	2.86	84	1876	Below Cal	#	86
27) cis-1,2-Dichloroethene	4.60	96	4889	1.358	ug/l	92
28) Bromochloromethane	5.21	49	1720	0.630	ug/l #	10
30) Chloroform	5.21	83	20223	3.481	ug/l	99
36) 1,1-Dichloropropene	5.67	75	18821	3.792	ug/l #	49
38) Carbon Tetrachloride	5.79	117	5716	1.185	ug/l #	80
44) Trichloroethene	7.21	130	9021	2.230	ug/l	92
60) Dibromochloromethane	9.34	129	19586	5.229	ug/l #	11
64) Tetrachloroethene	9.34	164	22377	5.915	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	101444	22.611	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101444	69.993	ug/l #	9
95) Naphthalene	13.83	128	476	1.174	ug/l #	76

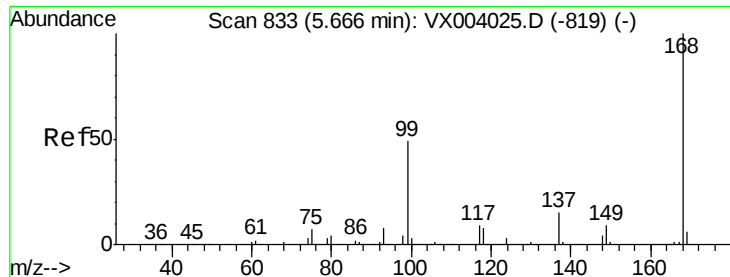
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

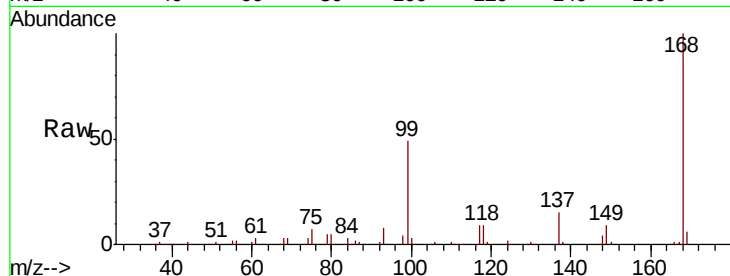
MW-292-SRI3

Tgt Ion:168 Resp: 267914

Ion Ratio Lower Upper

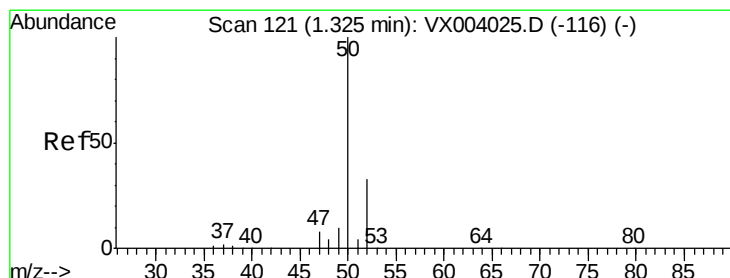
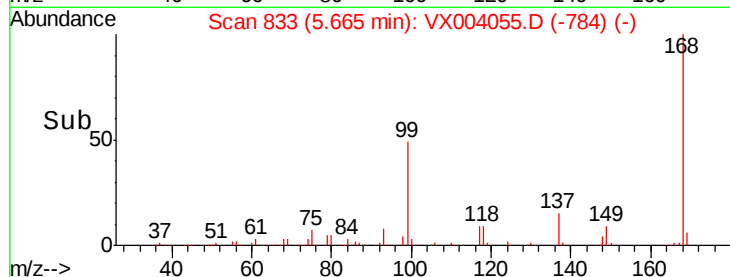
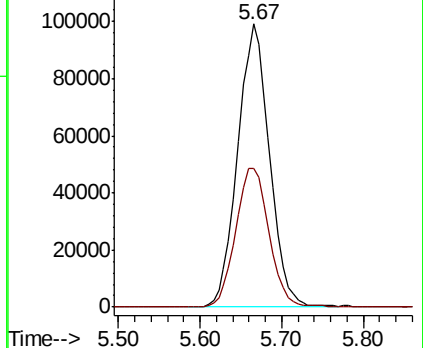
168 100

99 48.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004055.D

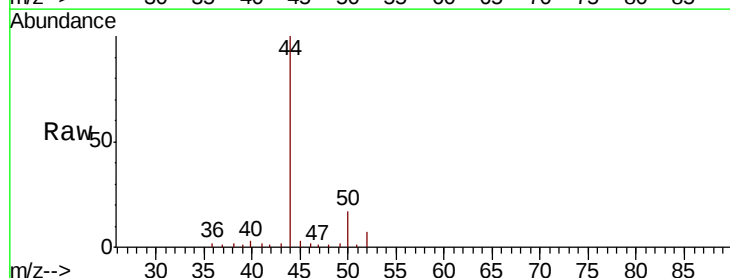
Acq: 15 Aug 2018 03:54

Tgt Ion: 50 Resp: 1329

Ion Ratio Lower Upper

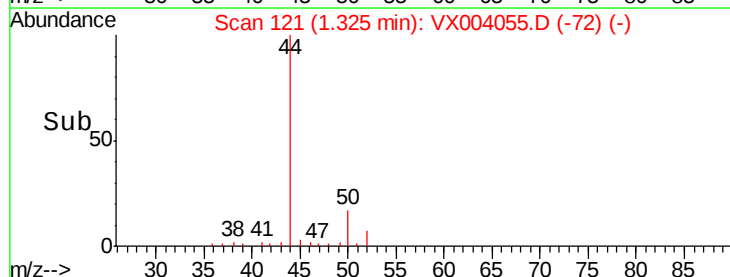
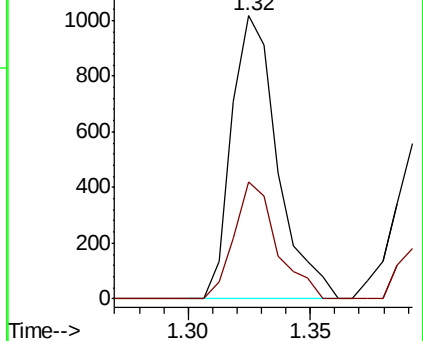
50 100

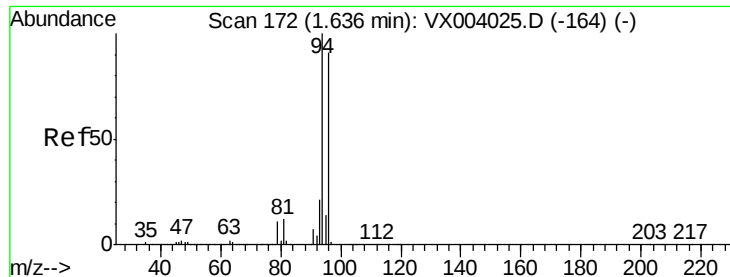
52 41.2 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.450 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

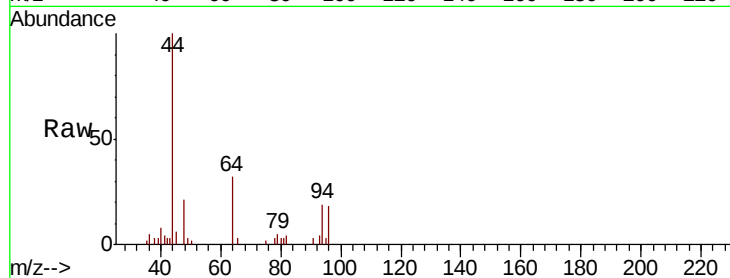
MW-292-SRI3

Tgt Ion: 94 Resp: 1101

Ion Ratio Lower Upper

94 100

96 92.2 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

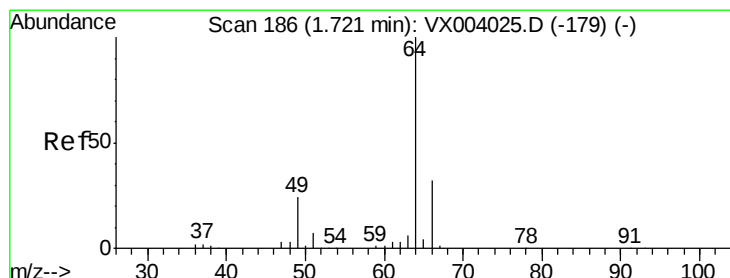
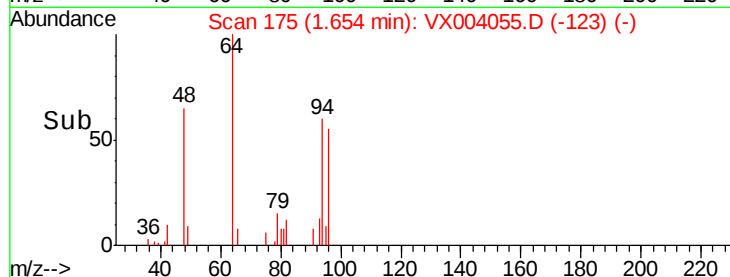
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX004055.D

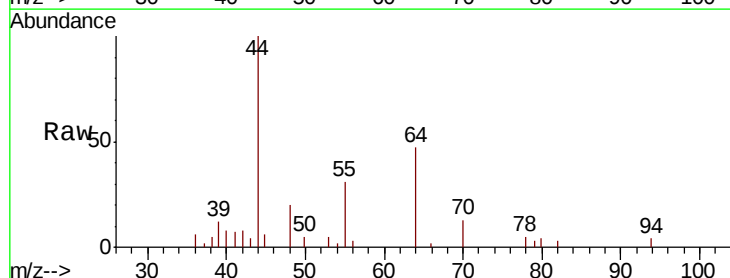
Acq: 15 Aug 2018 03:54

Tgt Ion: 64 Resp: 1552

Ion Ratio Lower Upper

64 100

66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

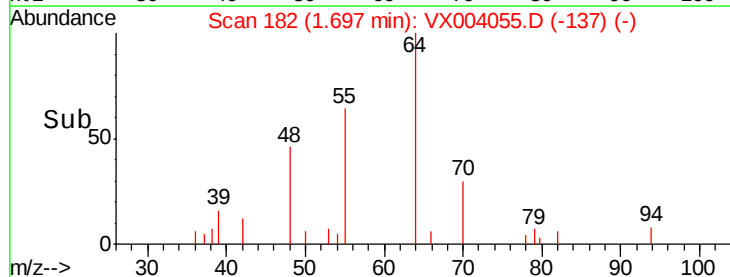
1500

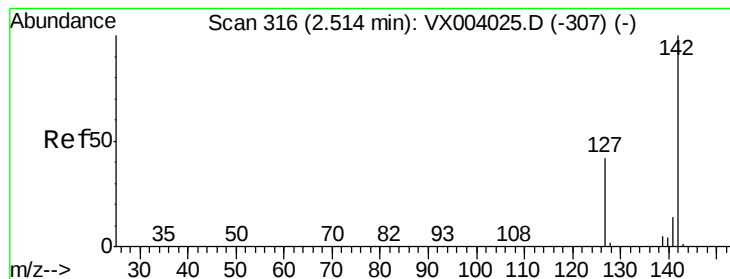
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 5.188 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-292-SRI3

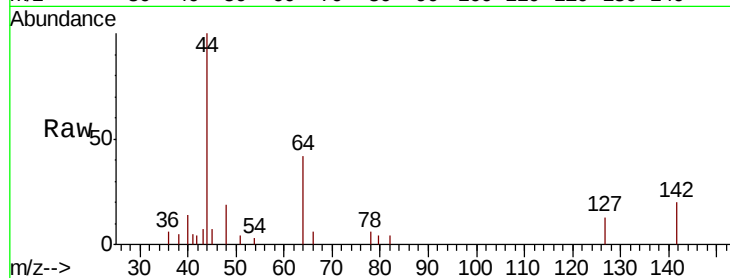
Tgt Ion: 142 Resp: 639

Ion Ratio Lower Upper

142 100

127 44.6 33.1 49.7

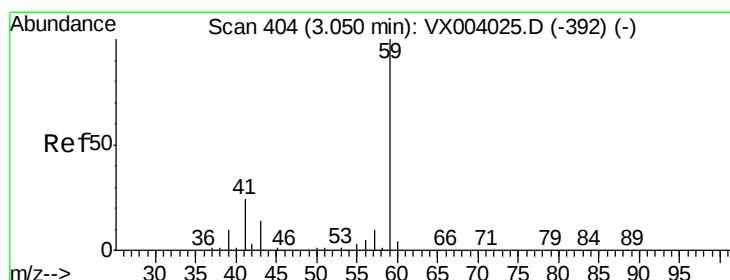
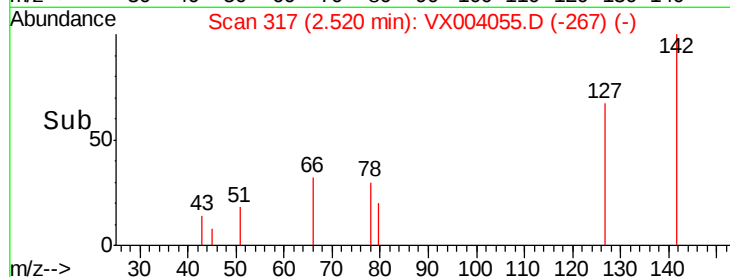
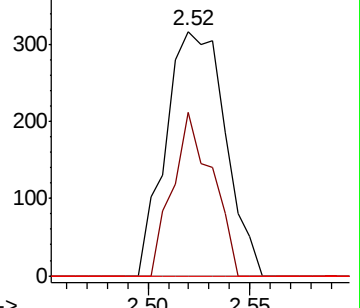
141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.565 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.02 min

Lab File: VX004055.D

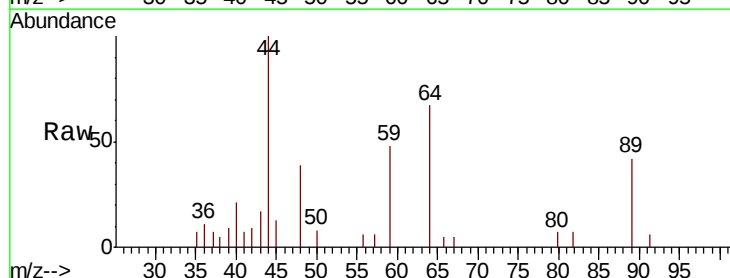
Acq: 15 Aug 2018 03:54

Tgt Ion: 59 Resp: 1190

Ion Ratio Lower Upper

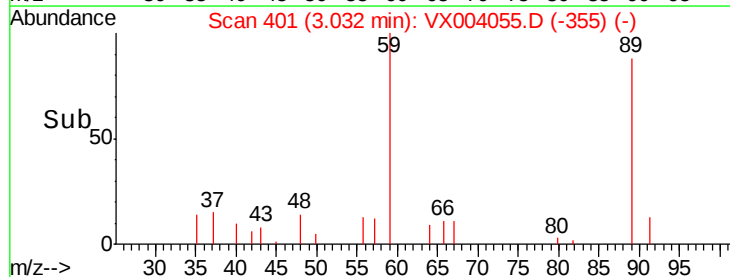
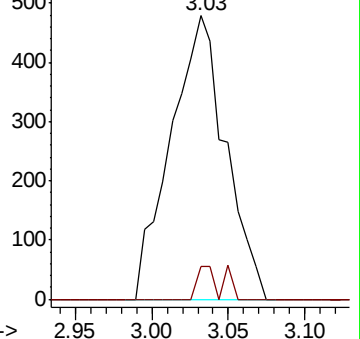
59 100

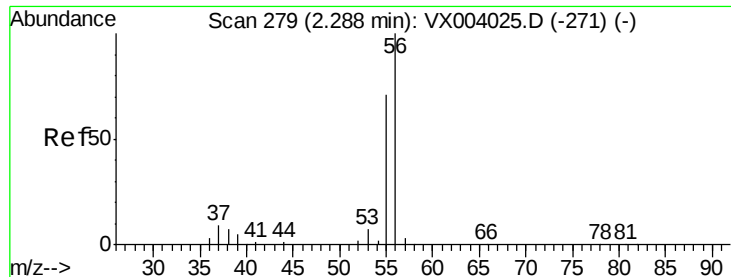
57 5.1 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.040 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

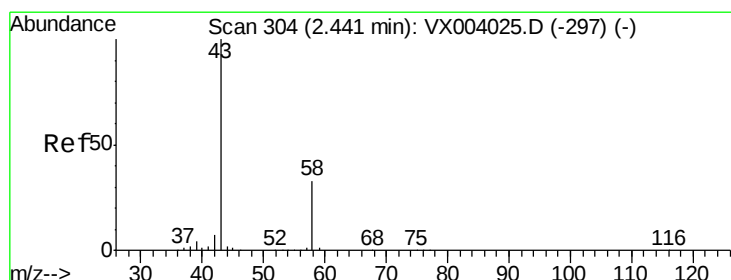
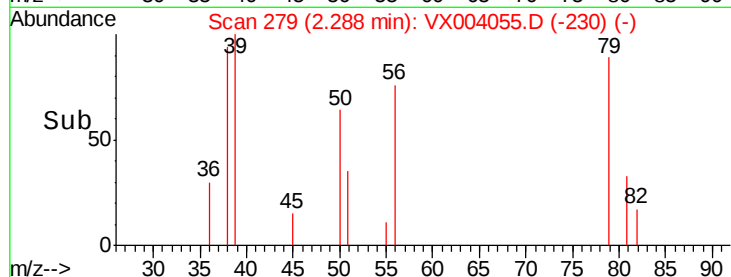
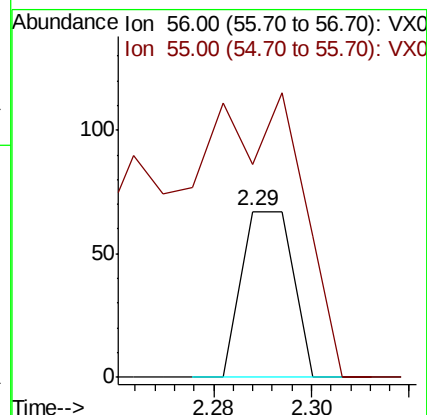
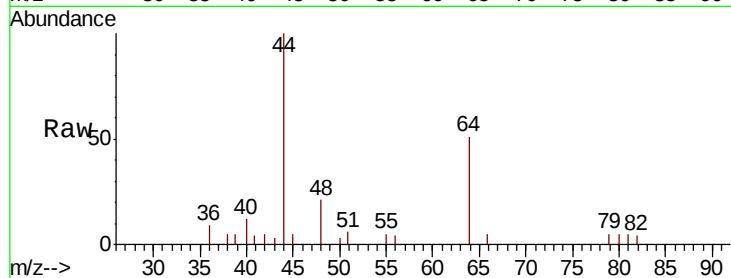
MW-292-SRI3

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 275.5 56.1 84.1#



#16

Acetone

Concen: 2.096 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004055.D

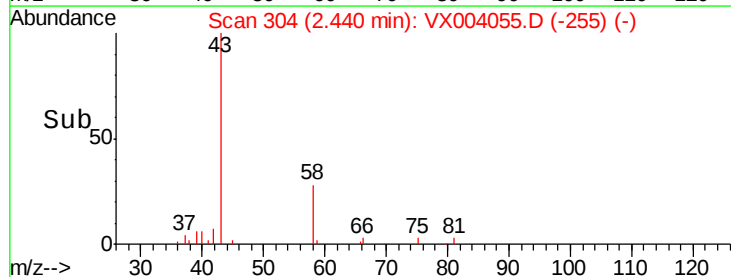
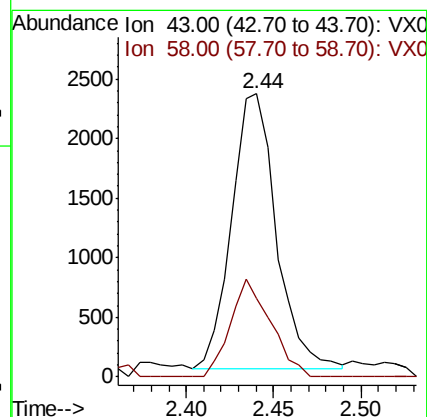
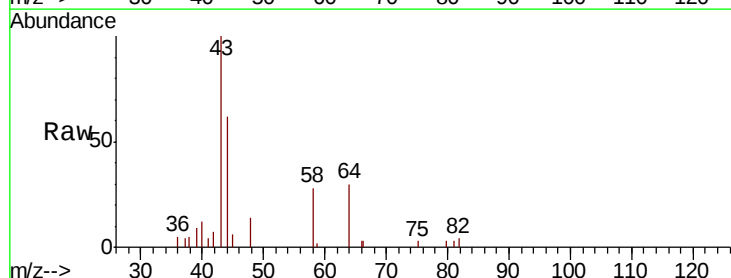
Acq: 15 Aug 2018 03:54

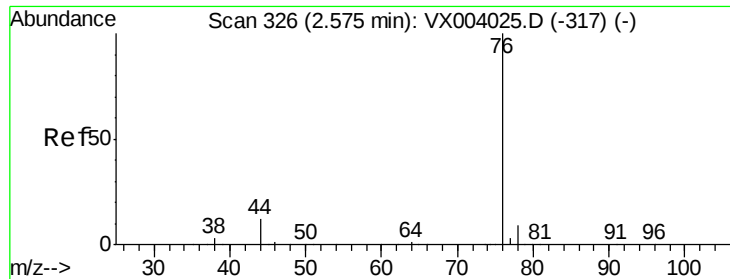
Tgt Ion: 43 Resp: 4113

Ion Ratio Lower Upper

43 100

58 28.5 26.4 39.6

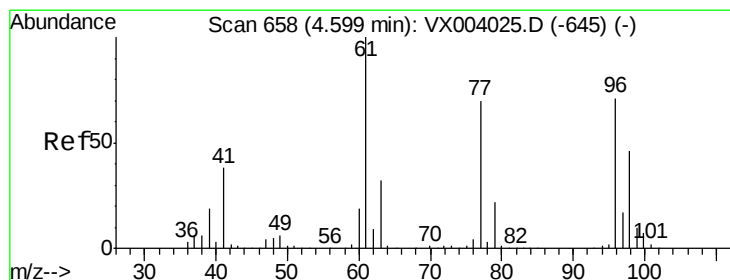
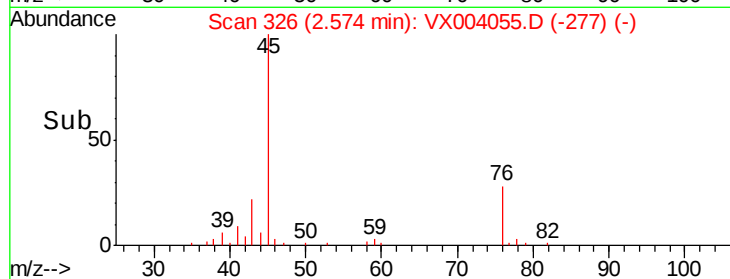
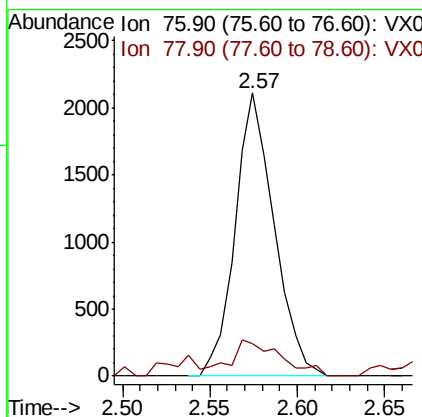
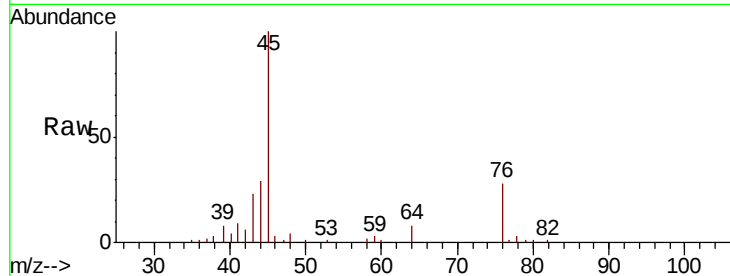




#17
Carbon Disulfide
Concen: 0.409 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004055.D
Acq: 15 Aug 2018 03:54

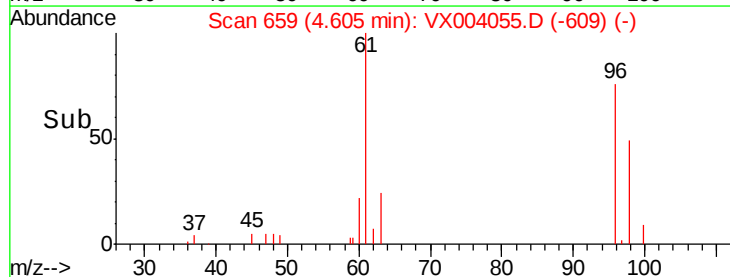
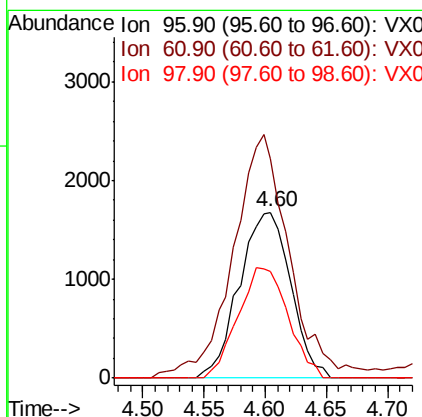
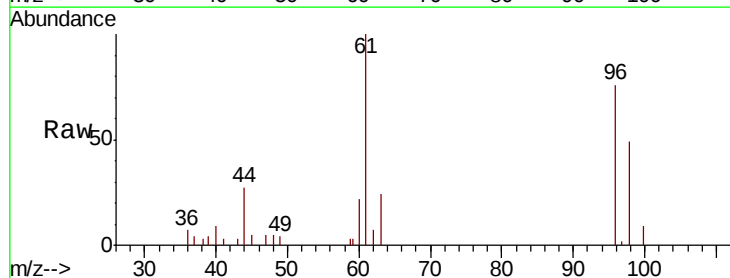
Instrument :
MSVOA_X
ClientSampleId :
MW-292-SRI3

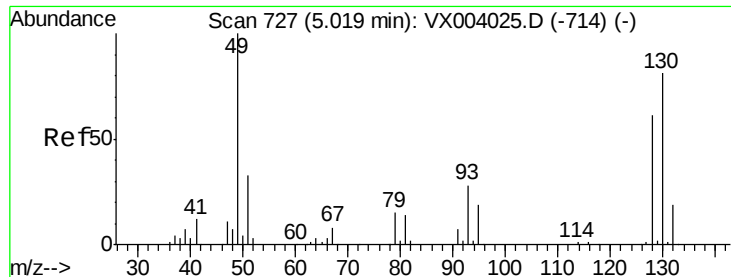
Tgt Ion: 76 Resp: 3267
Ion Ratio Lower Upper
76 100
78 11.6 7.5 11.3#



#27
cis-1,2-Dichloroethene
Concen: 1.358 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX004055.D
Acq: 15 Aug 2018 03:54

Tgt Ion: 96 Resp: 4889
Ion Ratio Lower Upper
96 100
61 161.2 0.0 293.0
98 65.0 0.0 131.8





#28

Bromochloromethane

Concen: 0.630 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.19 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-292-SRI3

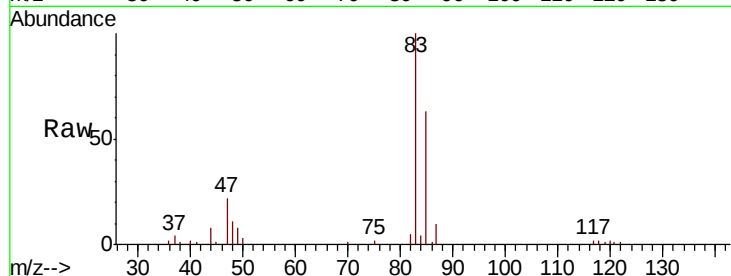
Tgt Ion: 49 Resp: 1720

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

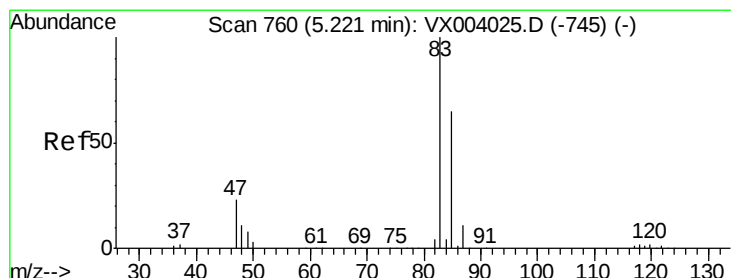
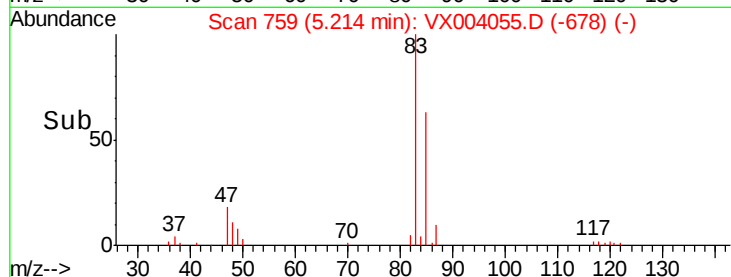
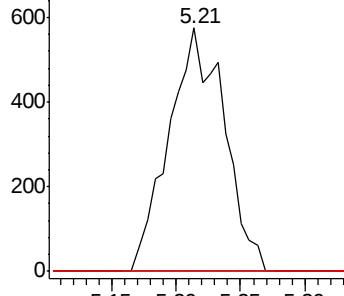
130 0.0 66.5 99.7#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 3.481 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004055.D

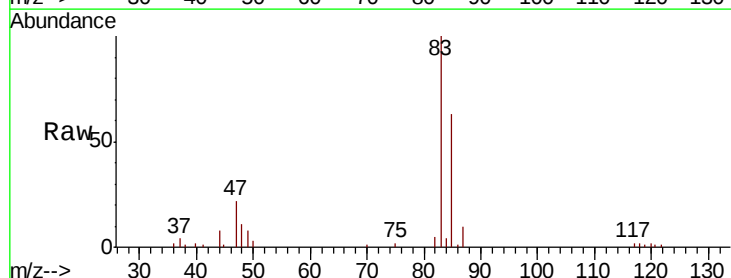
Acq: 15 Aug 2018 03:54

Tgt Ion: 83 Resp: 20223

Ion Ratio Lower Upper

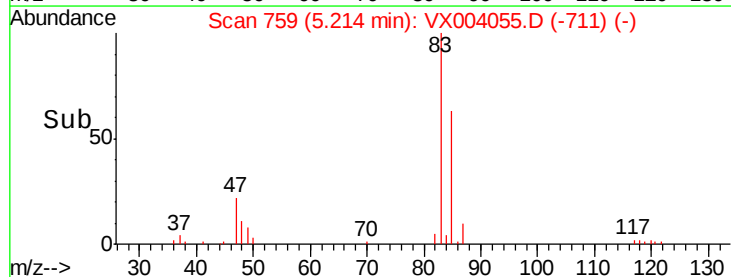
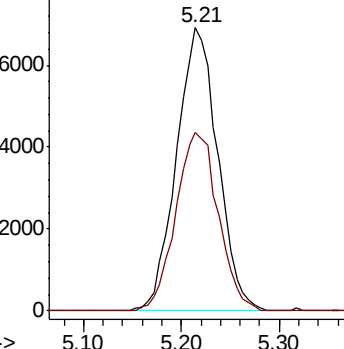
83 100

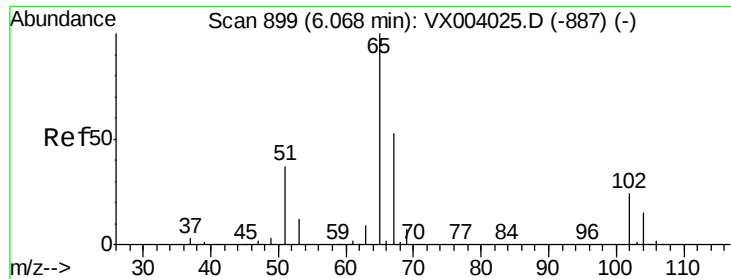
85 62.9 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

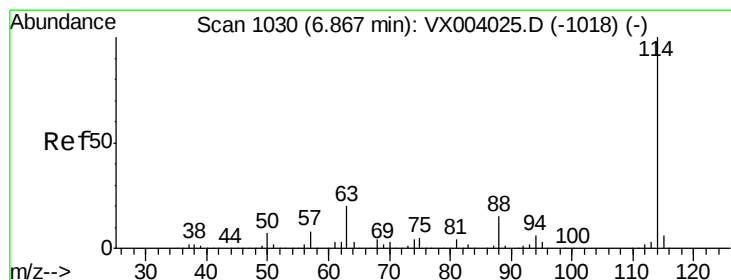
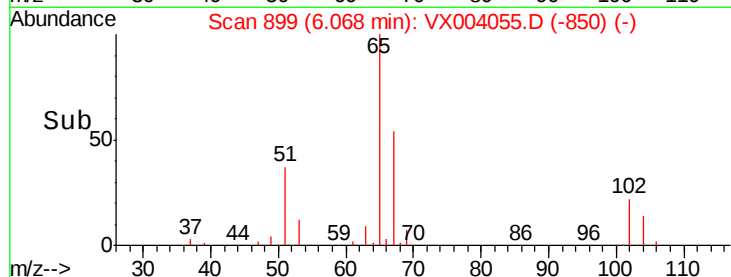
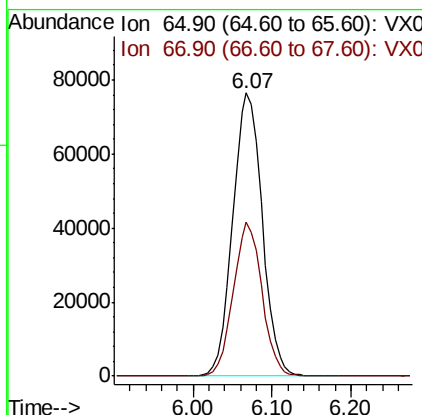
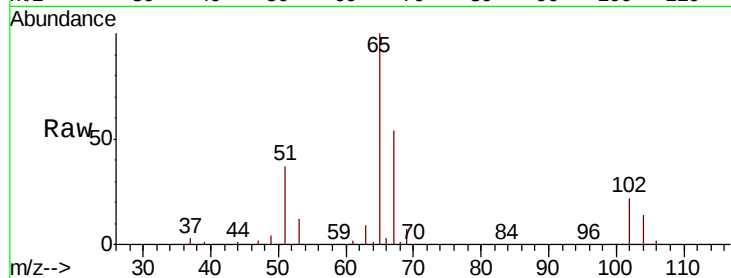




#33
 1,2-Dichloroethane-d4
 Concen: 52.743 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004055.D
 Acq: 15 Aug 2018 03:54

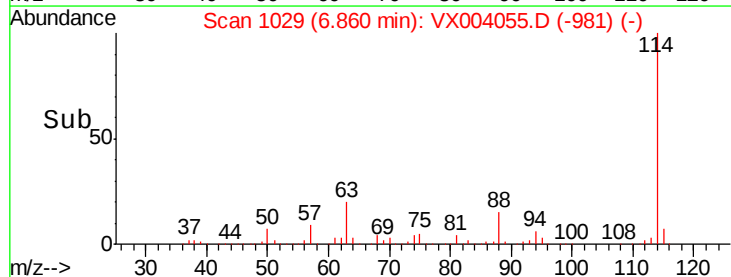
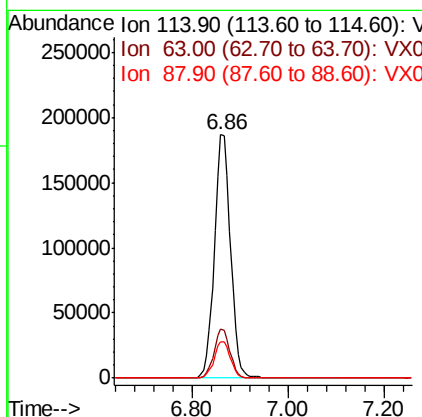
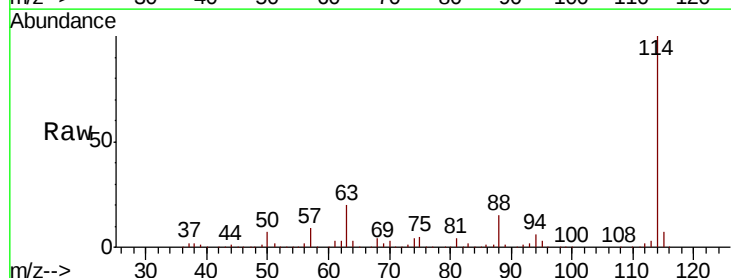
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-292-SRI3

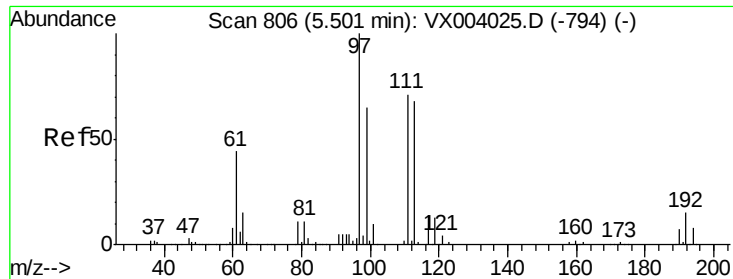
Tgt Ion: 65 Resp: 199092
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004055.D
 Acq: 15 Aug 2018 03:54

Tgt Ion: 114 Resp: 436158
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.1 0.0 32.0

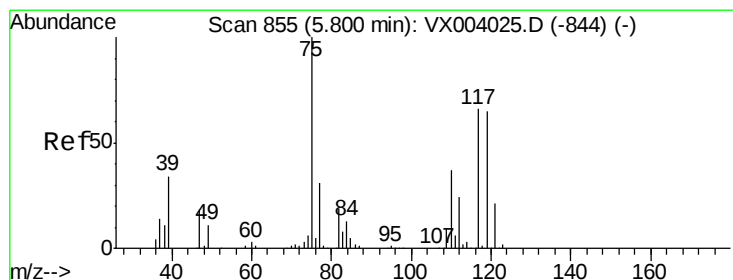
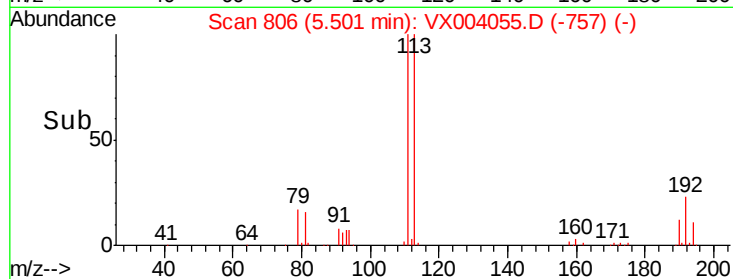
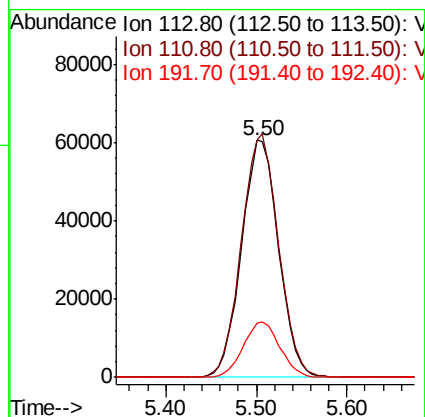
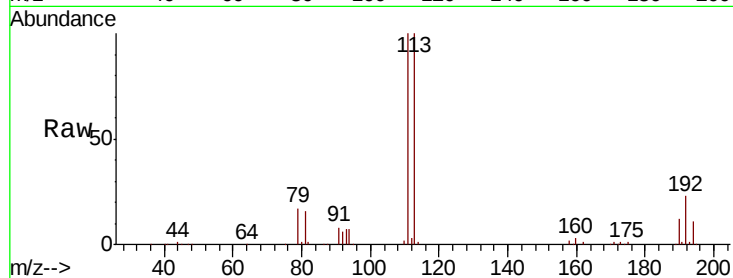




#35
 Dibromofluoromethane
 Concen: 52.478 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004055.D
 Acq: 15 Aug 2018 03:54

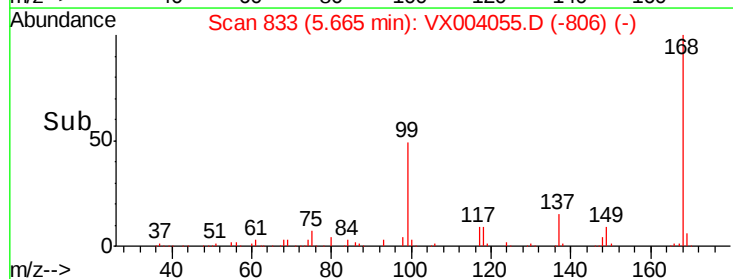
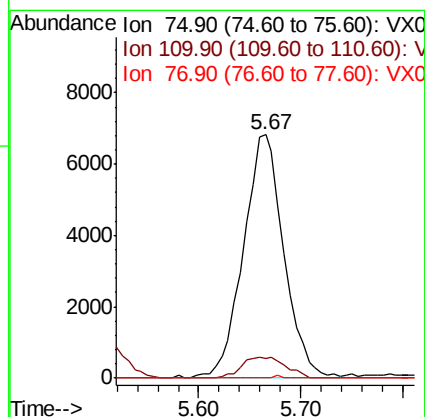
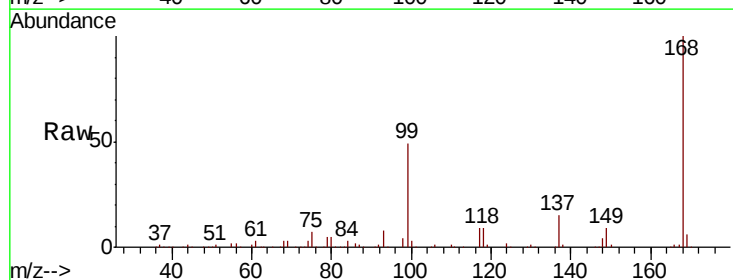
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-292-SRI3

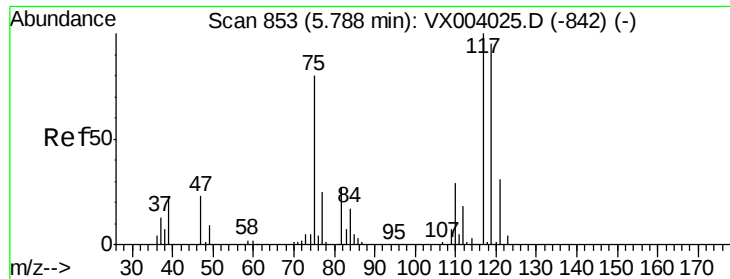
Tgt Ion:113 Resp: 171305
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 23.3 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.792 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004055.D
 Acq: 15 Aug 2018 03:54

Tgt Ion: 75 Resp: 18821
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.2 54.6#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 1.185 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-292-SRI3

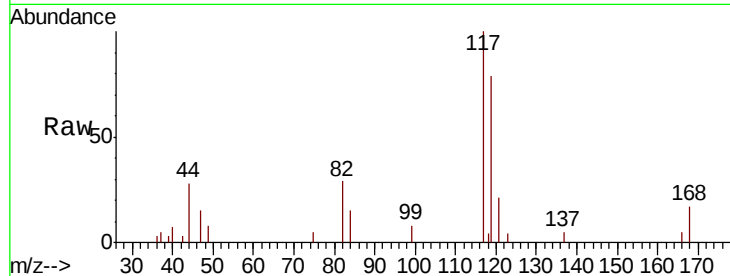
Tgt Ion:117 Resp: 5716

Ion Ratio Lower Upper

117 100

119 78.8 79.5 119.3#

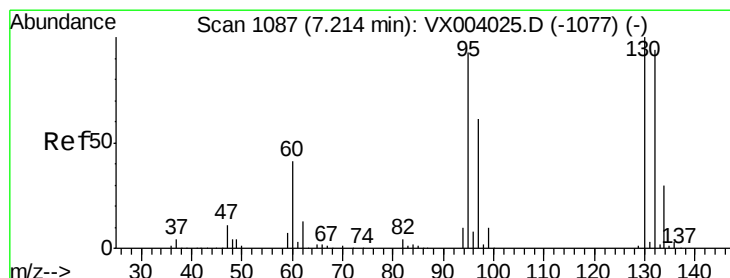
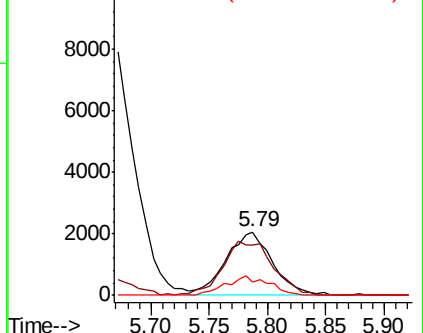
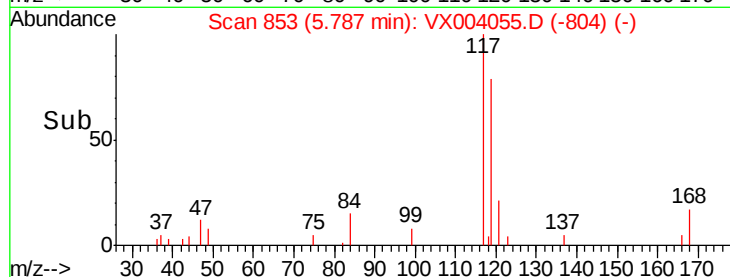
121 21.2 25.0 37.4#



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



#44

Trichloroethene

Concen: 2.230 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004055.D

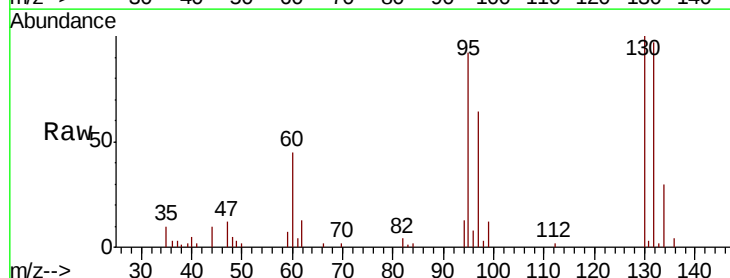
Acq: 15 Aug 2018 03:54

Tgt Ion:130 Resp: 9021

Ion Ratio Lower Upper

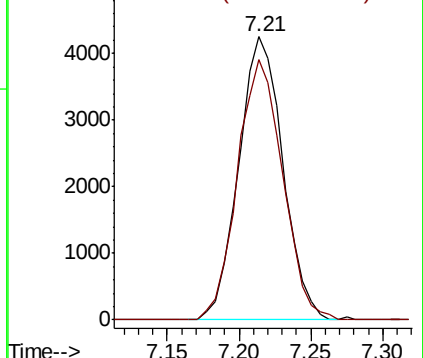
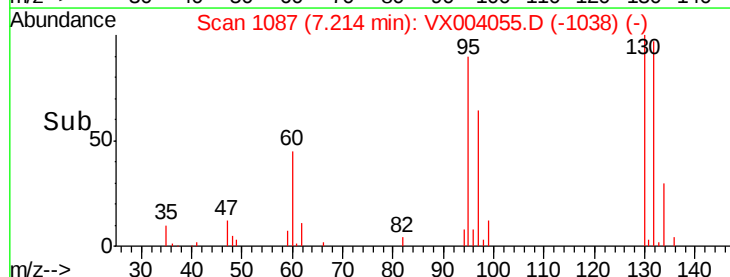
130 100

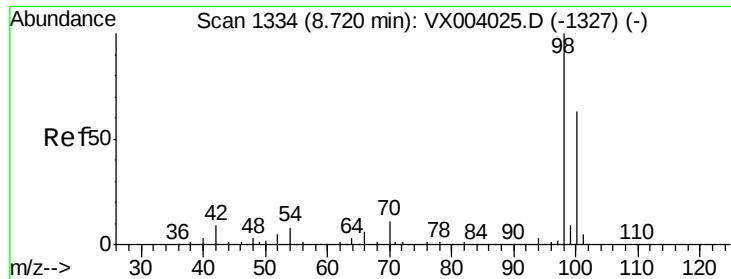
95 92.0 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

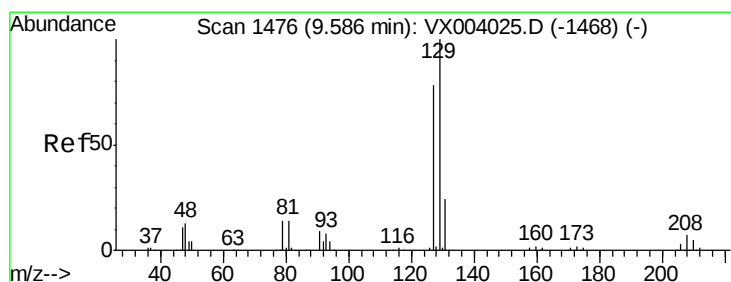
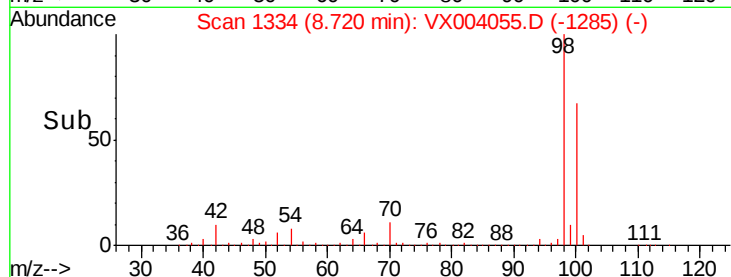
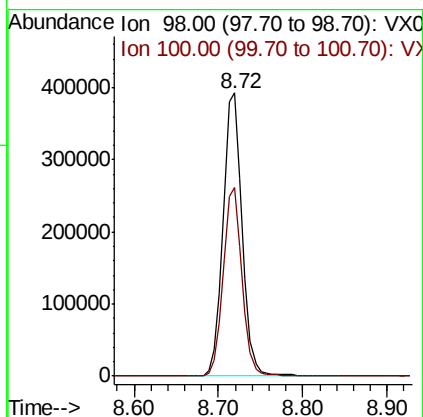
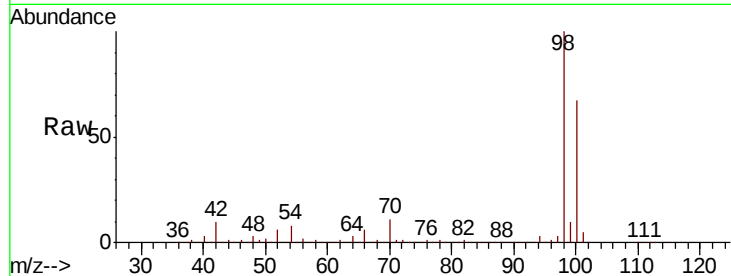




#50
Toluene-d8
Concen: 46.474 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004055.D
Acq: 15 Aug 2018 03:54

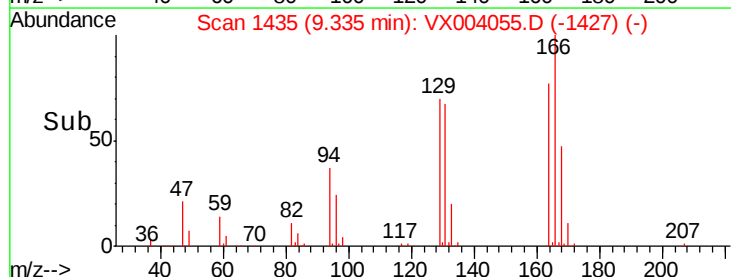
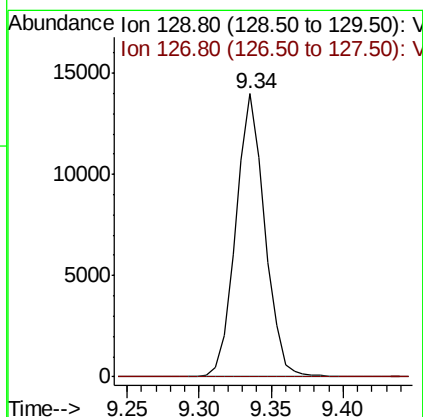
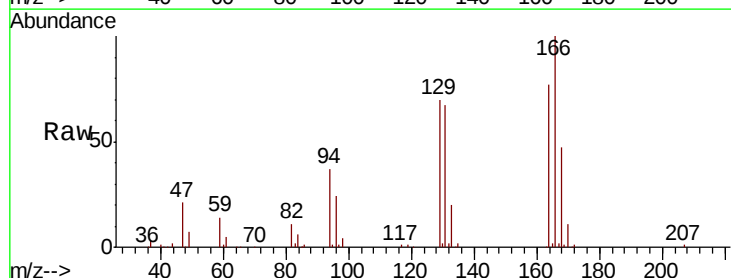
Instrument :
MSVOA_X
ClientSampleId :
MW-292-SRI3

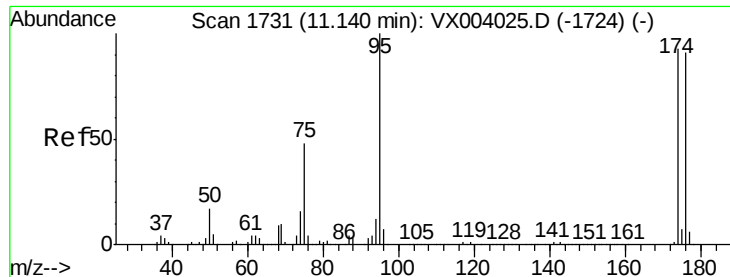
Tgt Ion: 98 Resp: 615080
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#60
Dibromochloromethane
Concen: 5.229 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX004055.D
Acq: 15 Aug 2018 03:54

Tgt Ion: 129 Resp: 19586
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

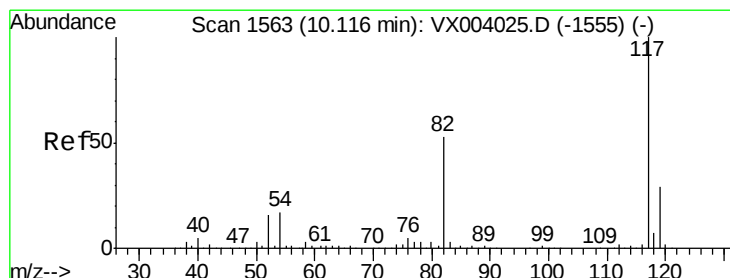
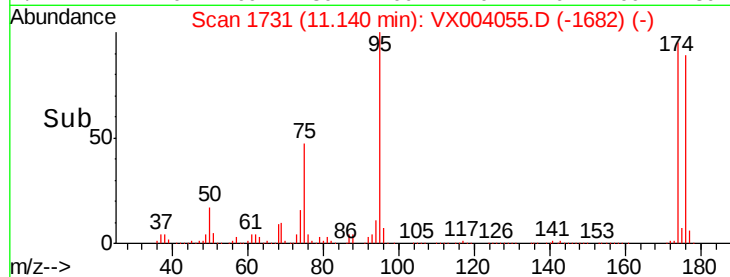
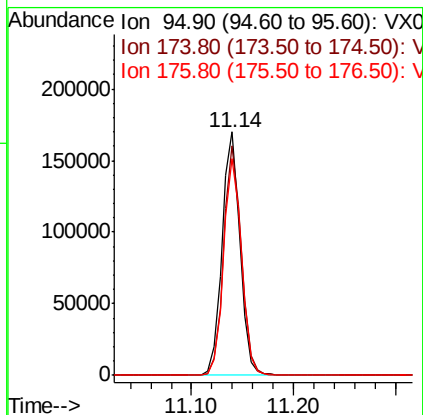
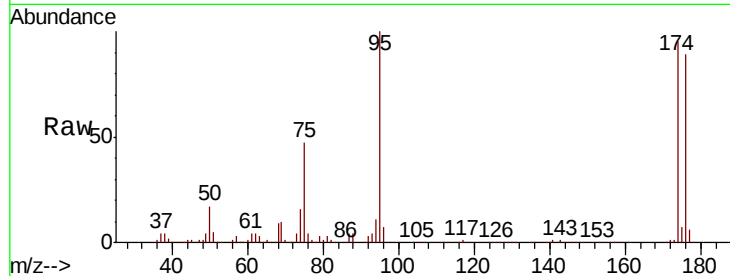




#62
4-Bromofluorobenzene
Concen: 43.586 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004055.D
Acq: 15 Aug 2018 03:54

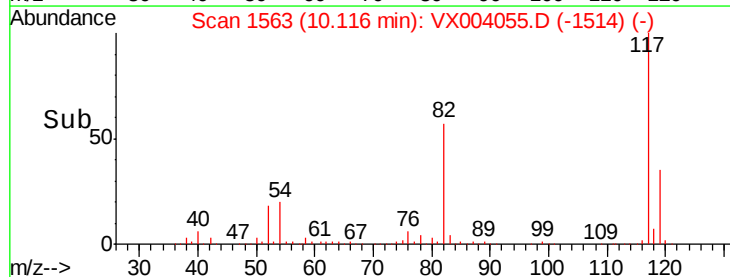
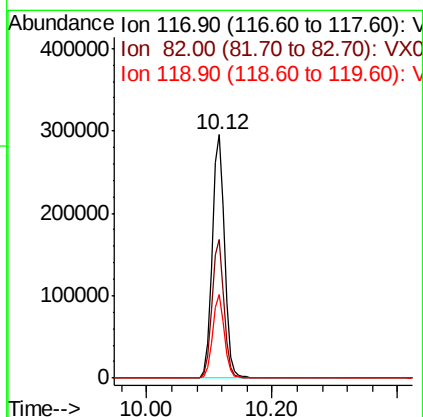
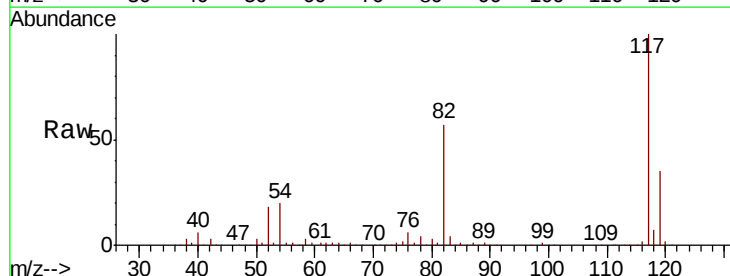
Instrument :
MSVOA_X
ClientSampleId :
MW-292-SRI3

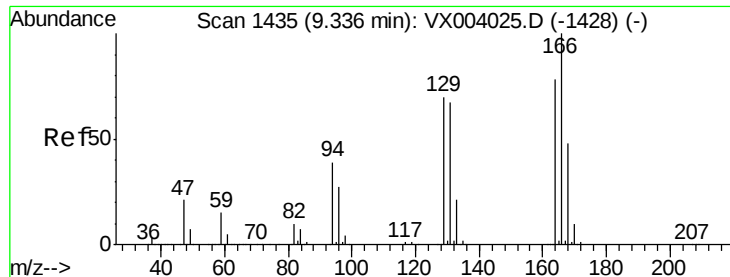
Tgt Ion: 95 Resp: 209221
Ion Ratio Lower Upper
95 100
174 93.2 0.0 182.8
176 89.1 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004055.D
Acq: 15 Aug 2018 03:54

Tgt Ion: 117 Resp: 399170
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.0
119 34.5 26.6 40.0





#64

Tetrachloroethene

Concen: 5.915 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-292-SRI3

Tgt Ion:164 Resp: 22377

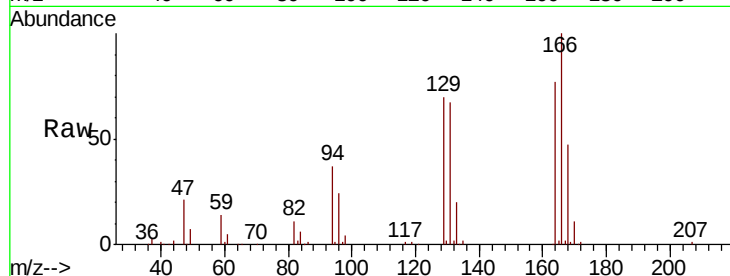
Ion Ratio Lower Upper

164 100

166 129.9 98.0 147.0

129 91.0 64.3 96.5

131 87.0 66.8 100.2

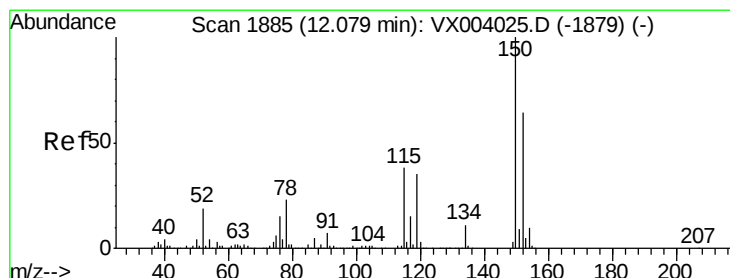
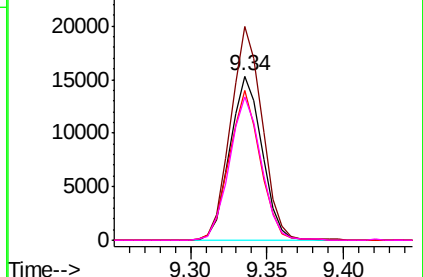
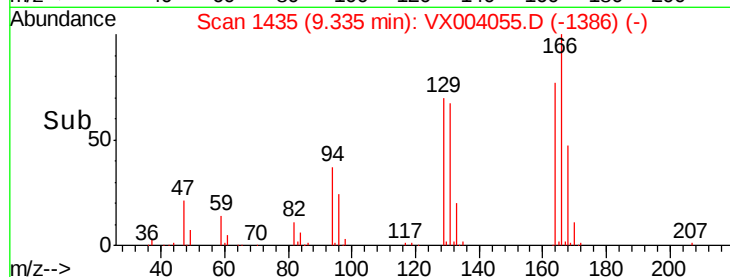


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

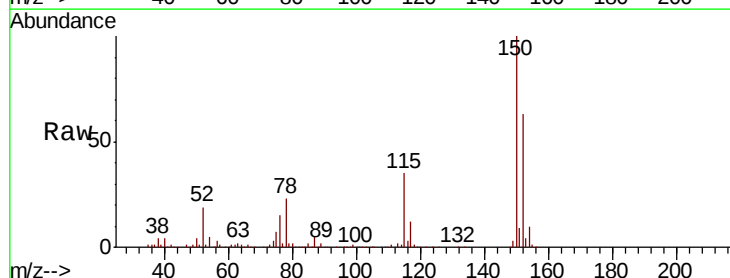
Tgt Ion:152 Resp: 223720

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

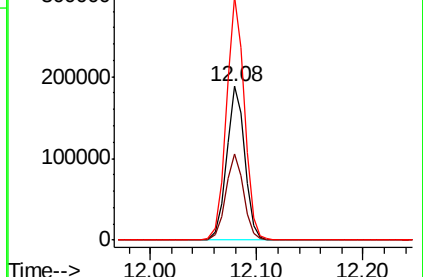
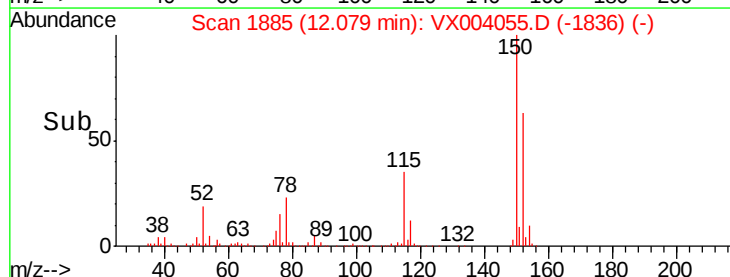
150 157.5 0.0 349.2

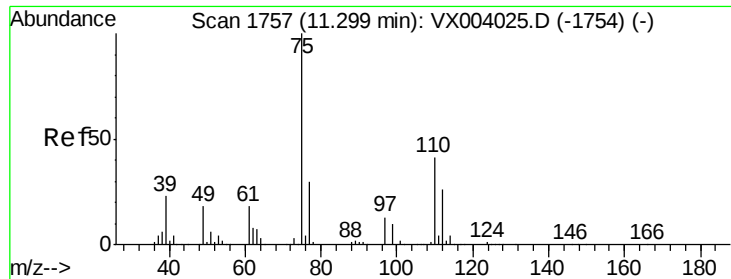


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

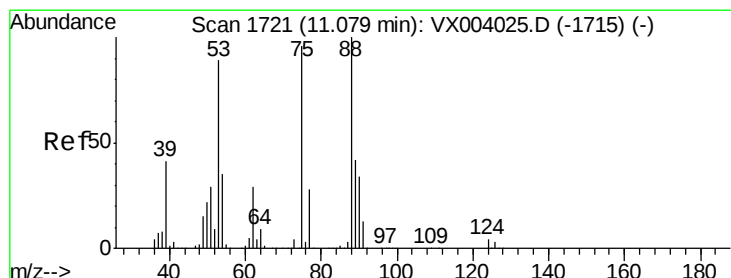
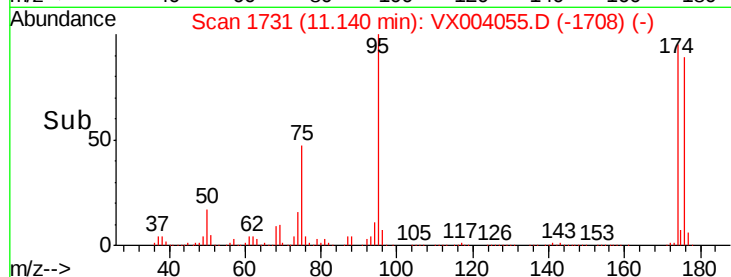
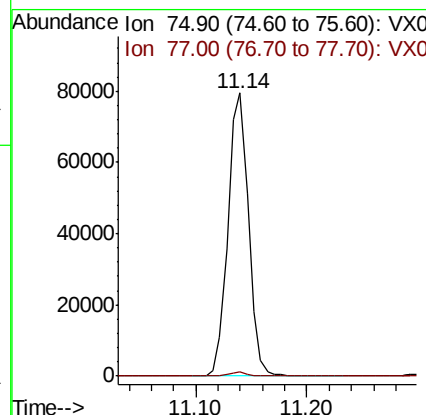
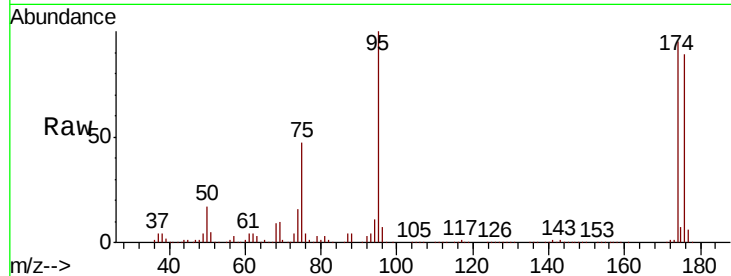




#76
 1,2,3-Trichloropropane
 Concen: 22.611 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004055.D
 Acq: 15 Aug 2018 03:54

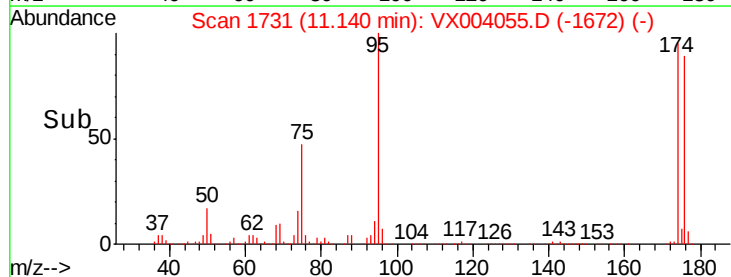
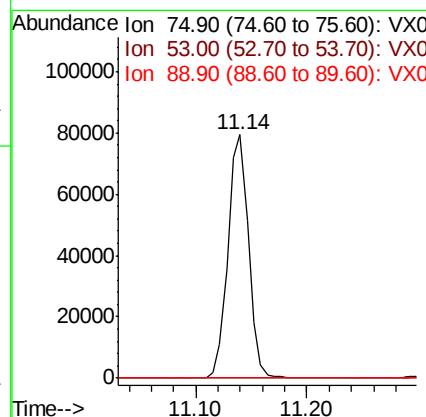
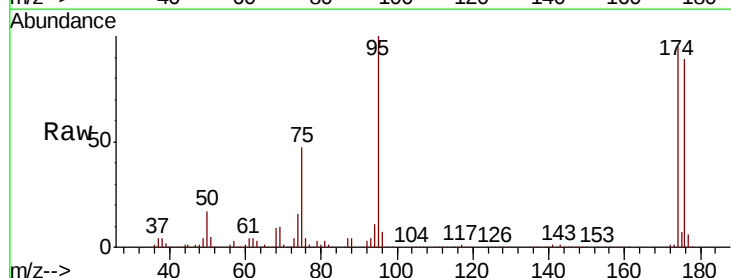
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-292-SRI3

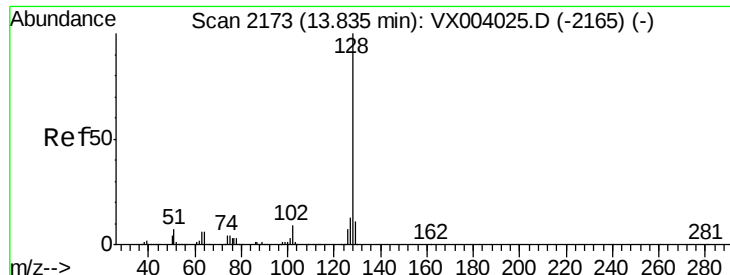
Tgt Ion: 75 Resp: 101444
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.993 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004055.D
 Acq: 15 Aug 2018 03:54

Tgt Ion: 75 Resp: 101444
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.174 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004055.D

Acq: 15 Aug 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-292-SRI3

Tgt Ion:128 Resp: 476

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 5.7 8.8 13.2#

