

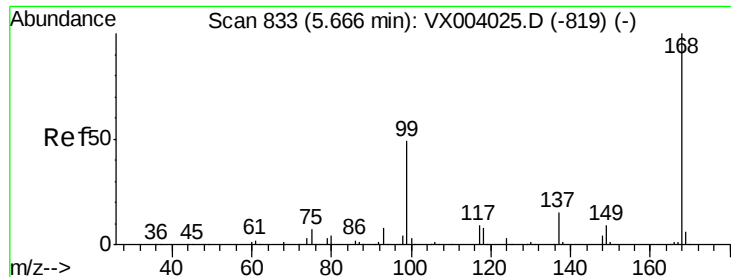
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004052.D
 Acq On : 15 Aug 2018 02:34
 Operator : JC/MD
 Sample : J4438-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-301-SRI3

Quant Time: Aug 15 09:40:14 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	280504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	206552	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	5.51	113	169168	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	8.72	98	640654	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.14	95	218728	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	792	0.236	ug/l	92
5) Bromomethane	1.61	94	174	Below Cal	#	3
6) Chloroethane	1.70	64	7868	1.576	ug/l #	52
10) Methyl Iodide	2.52	142	942	5.260	ug/l #	95
11) Tert butyl alcohol	3.03	59	491	0.617	ug/l #	73
13) Acrolein	2.28	56	102	11.130	ug/l #	65
16) Acetone	2.44	43	4725	2.299	ug/l	100
17) Carbon Disulfide	2.57	76	1732	0.207	ug/l #	81
20) Methylene Chloride	2.87	84	252	Below Cal	#	72
25) 2-Butanone	4.70	43	1209	0.362	ug/l #	48
27) cis-1,2-Dichloroethene	4.61	96	3424	0.909	ug/l	80
29) Tetrahydrofuran	5.16	42	489	0.286	ug/l #	31
30) Chloroform	5.21	83	3132	0.515	ug/l #	74
36) 1,1-Dichloropropene	5.67	75	19666	3.872	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25130	5.092	ug/l #	14
44) Trichloroethene	7.21	130	120929	29.204	ug/l	96
60) Dibromochloromethane	9.34	129	14810	3.863	ug/l #	11
64) Tetrachloroethene	9.34	164	17162	4.291	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	106197	23.072	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	106197	71.421	ug/l #	9
95) Naphthalene	13.83	128	600	1.181	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

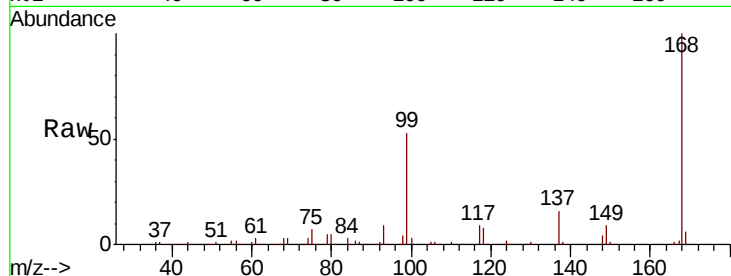
MW-301-SRI3

Tgt Ion:168 Resp: 280504

Ion Ratio Lower Upper

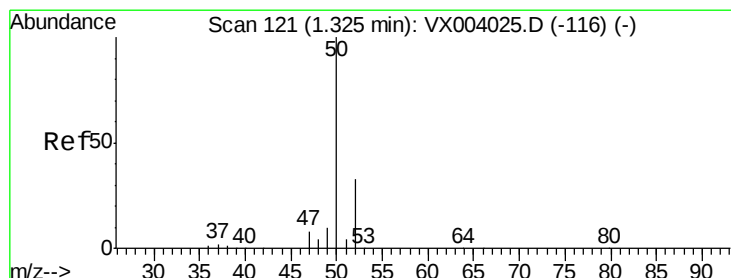
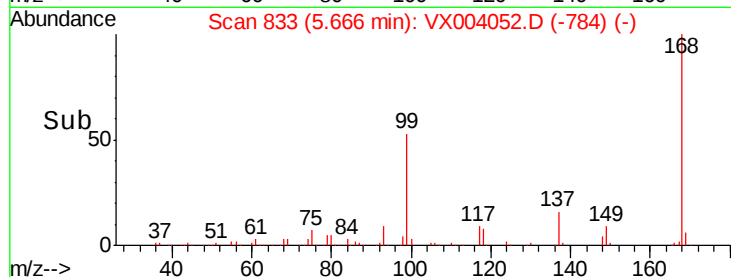
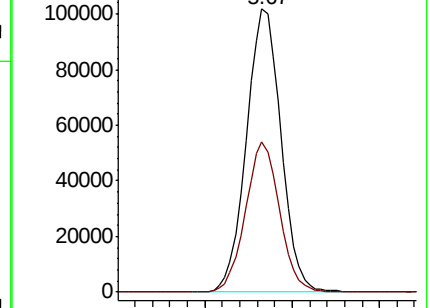
168 100

99 53.1 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: 0.236 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004052.D

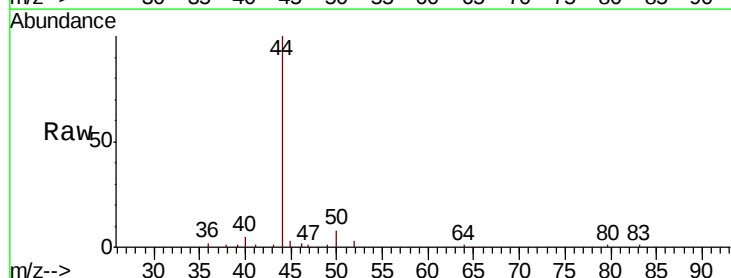
Acq: 15 Aug 2018 02:34

Tgt Ion: 50 Resp: 792

Ion Ratio Lower Upper

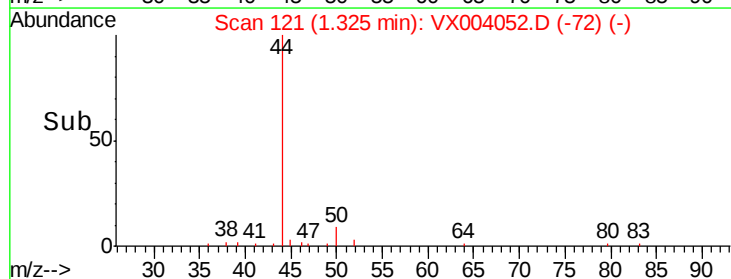
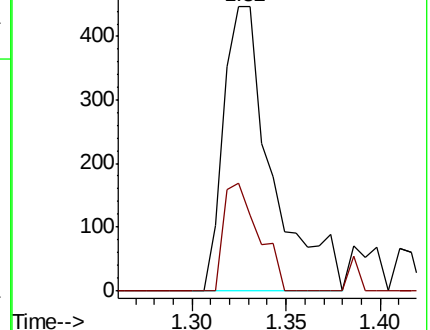
50 100

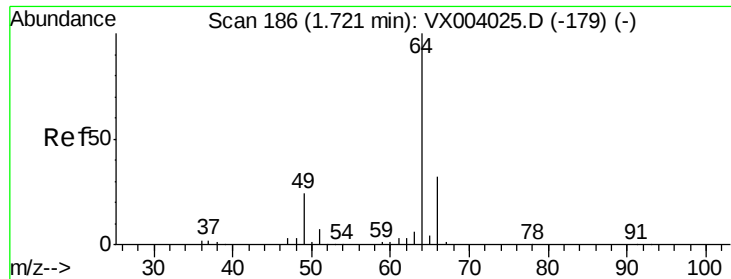
52 37.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 1.576 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

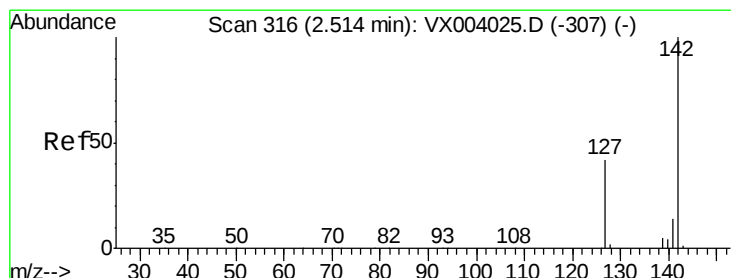
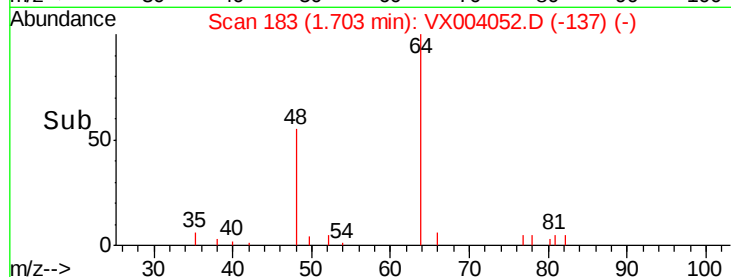
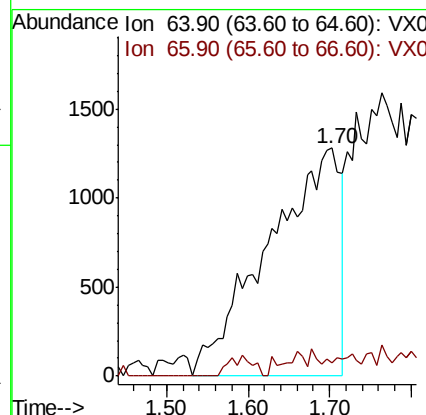
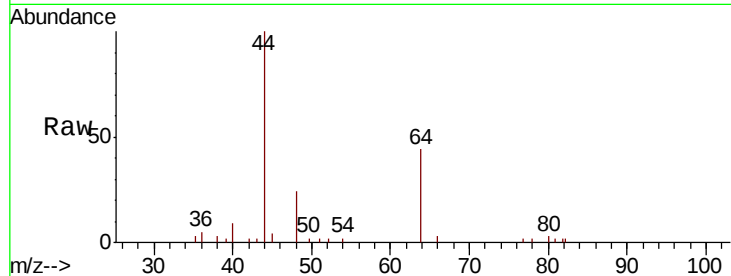
MW-301-SRI3

Tgt Ion: 64 Resp: 7868

Ion Ratio Lower Upper

64 100

66 5.8 26.5 39.7#



#10

Methyl Iodide

Concen: 5.260 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

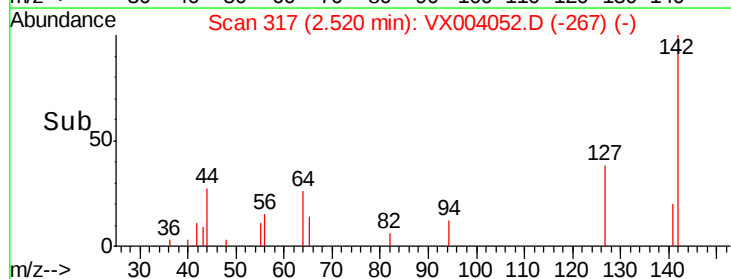
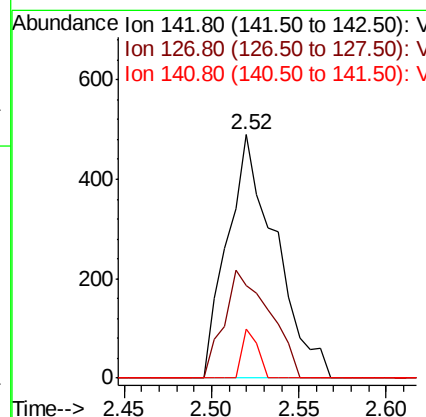
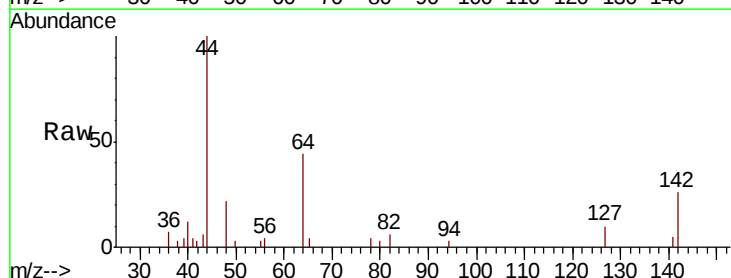
Tgt Ion: 142 Resp: 942

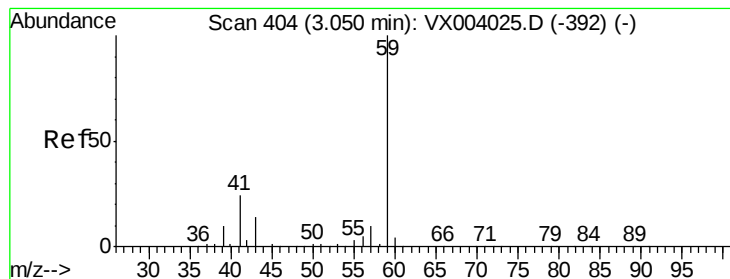
Ion Ratio Lower Upper

142 100

127 41.6 33.1 49.7

141 6.6 11.1 16.7#





#11

Tert butyl alcohol

Concen: 0.617 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.02 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampled :

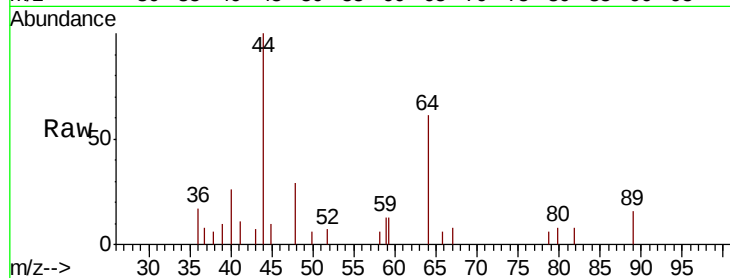
MW-301-SRI3

Tgt Ion: 59 Resp: 491

Ion Ratio Lower Upper

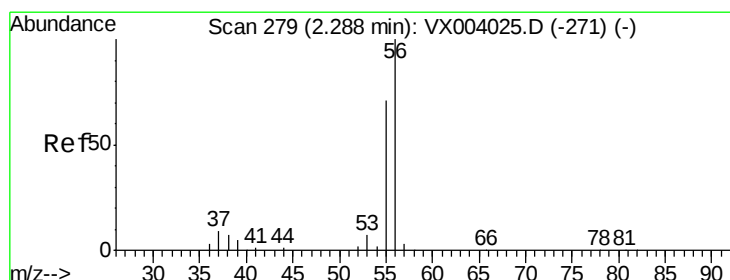
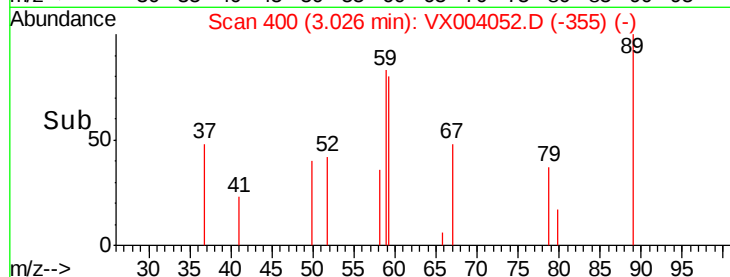
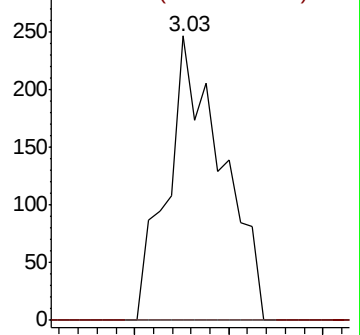
59 100

57 0.0 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: 11.130 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004052.D

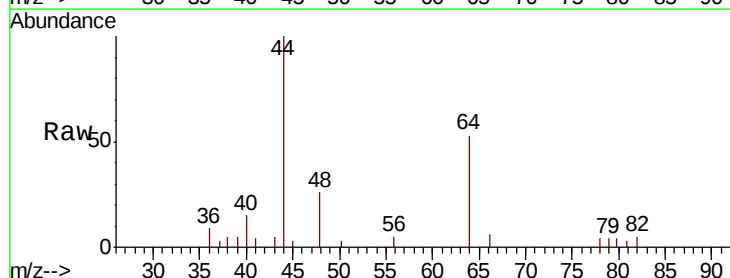
Acq: 15 Aug 2018 02:34

Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

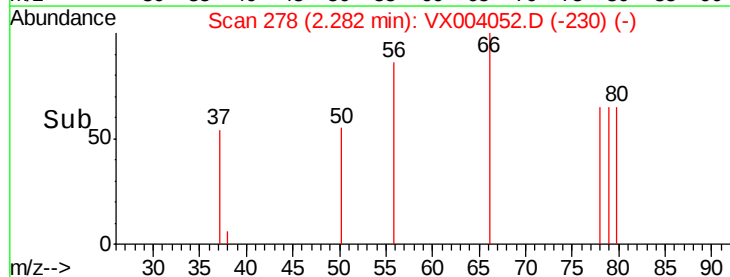
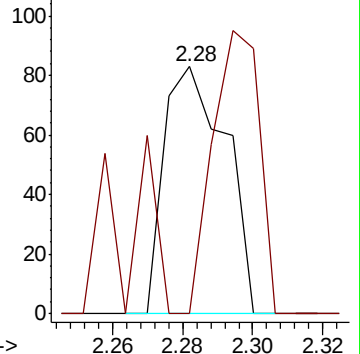
56 100

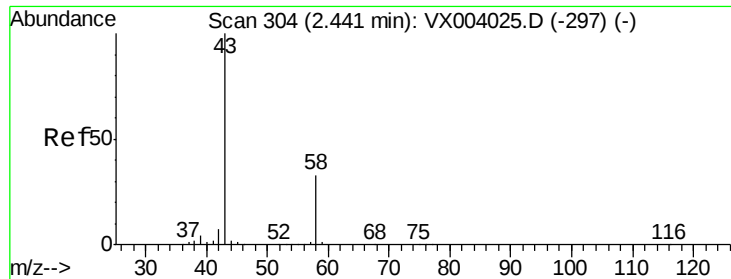
55 41.2 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.299 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

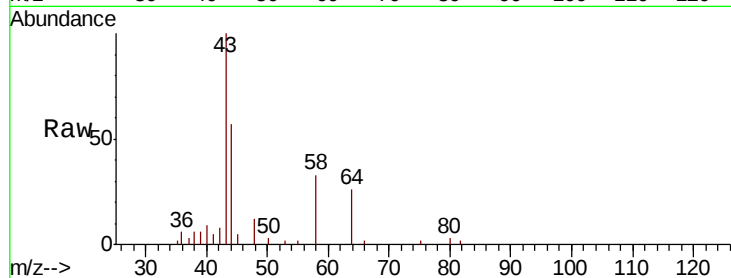
MW-301-SRI3

Tgt Ion: 43 Resp: 4725

Ion Ratio Lower Upper

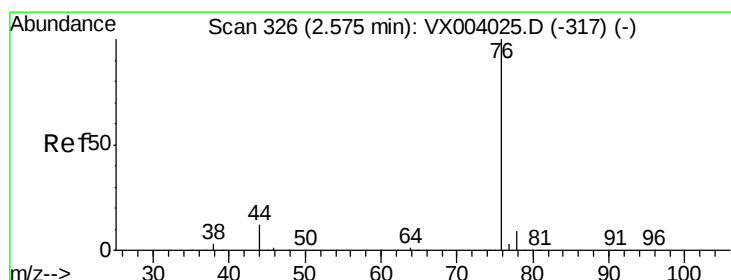
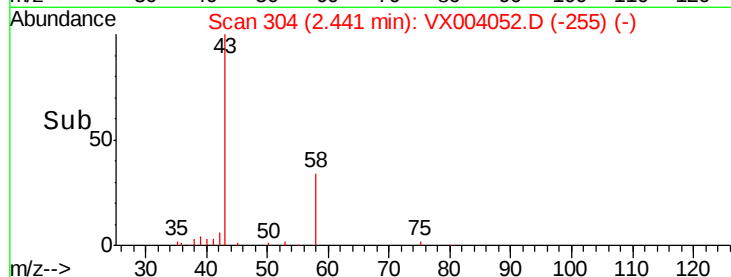
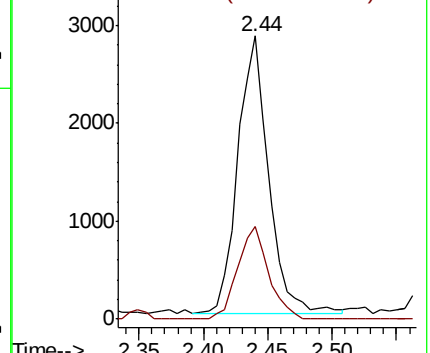
43 100

58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.207 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004052.D

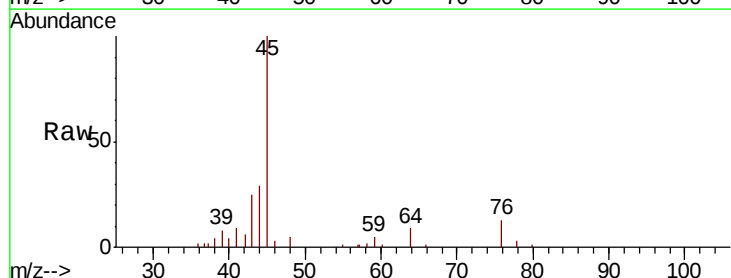
Acq: 15 Aug 2018 02:34

Tgt Ion: 76 Resp: 1732

Ion Ratio Lower Upper

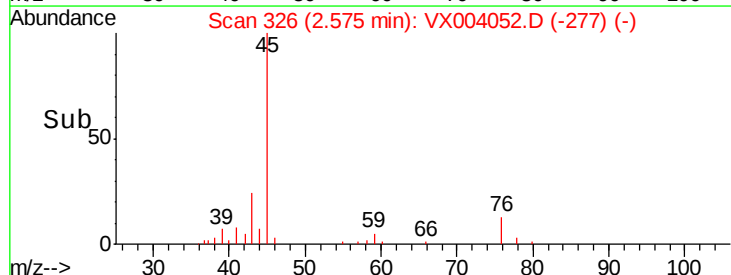
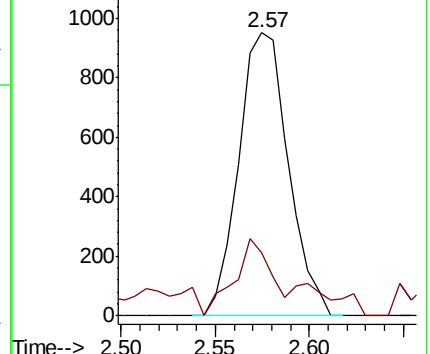
76 100

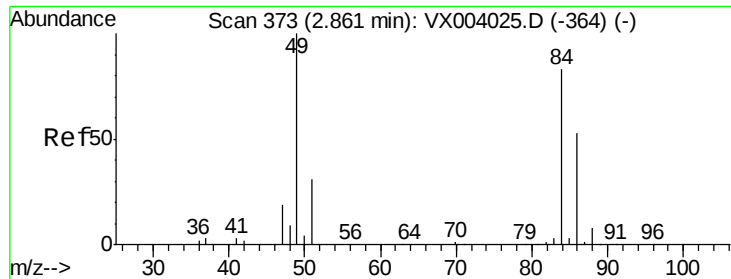
78 16.2 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

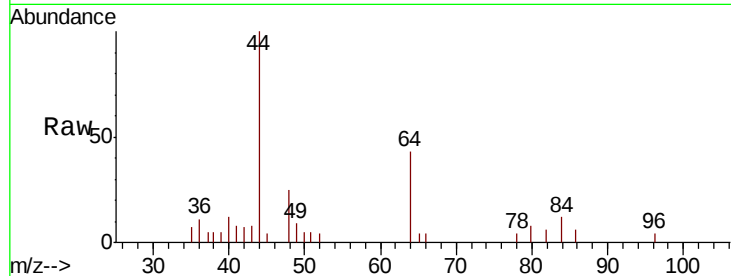




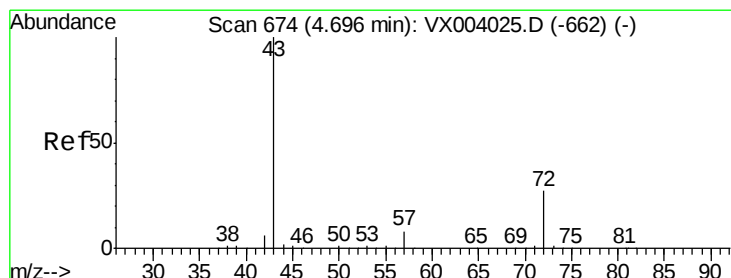
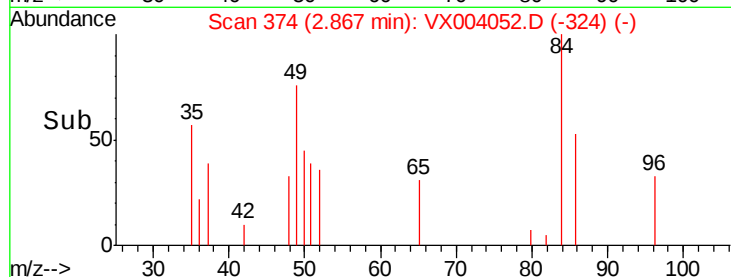
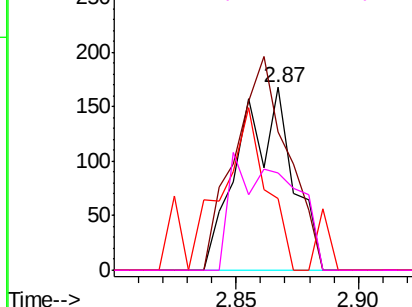
#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX004052.D
Acq: 15 Aug 2018 02:34

Instrument :
MSVOA_X
ClientSampleId :
MW-301-SRI3

Tgt Ion: 84 Resp: 252
Ion Ratio Lower Upper
84 100
49 75.6 98.9 148.3#
51 39.3 29.9 44.9
86 53.0 51.0 76.6

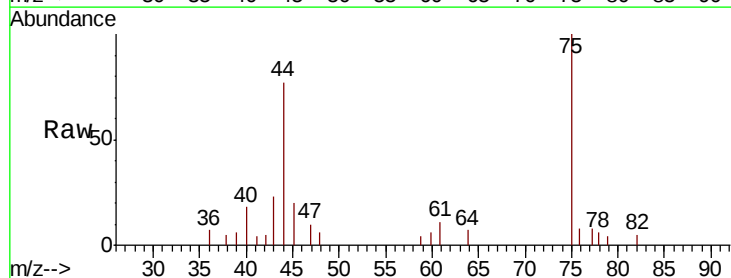


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

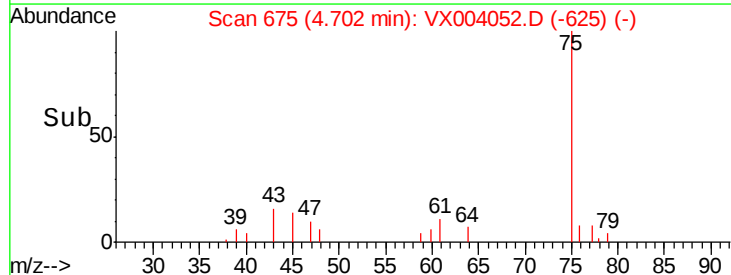
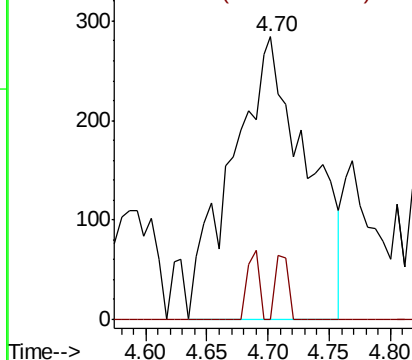


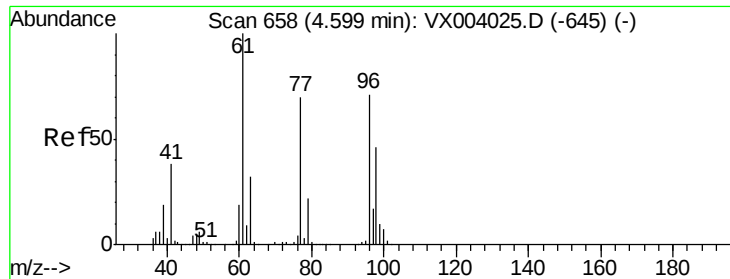
#25
2-Butanone
Concen: 0.362 ug/l
RT: 4.70 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX004052.D
Acq: 15 Aug 2018 02:34

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



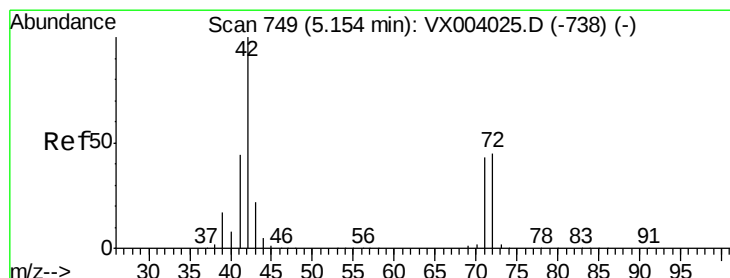
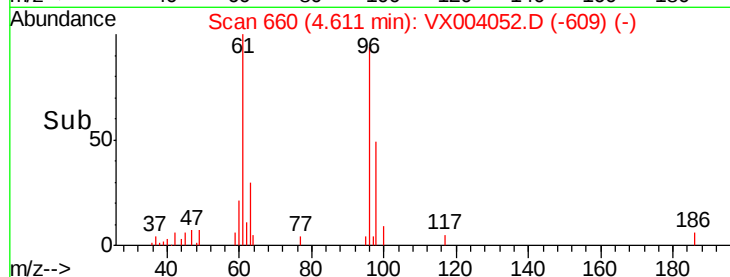
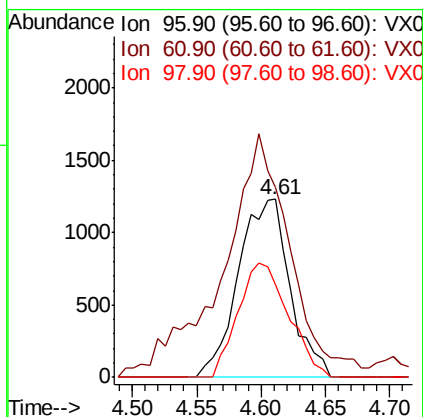
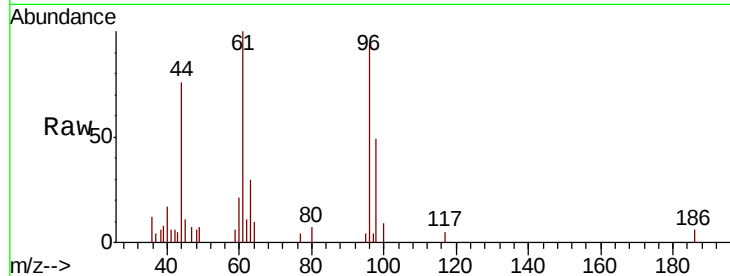


#27

cis-1,2-Dichloroethene
 Concen: 0.909 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX004052.D
 Acq: 15 Aug 2018 02:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-301-SRI3

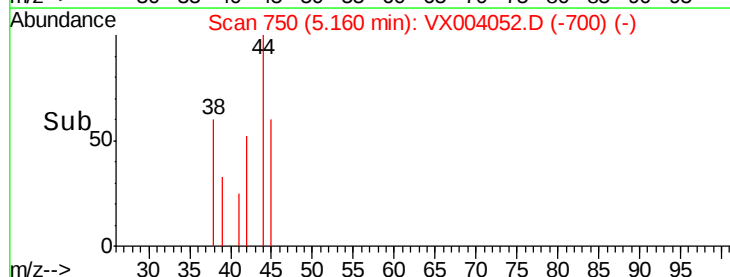
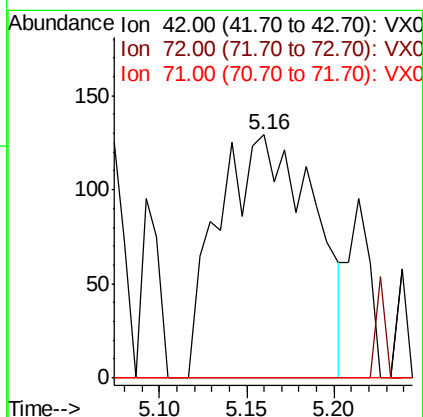
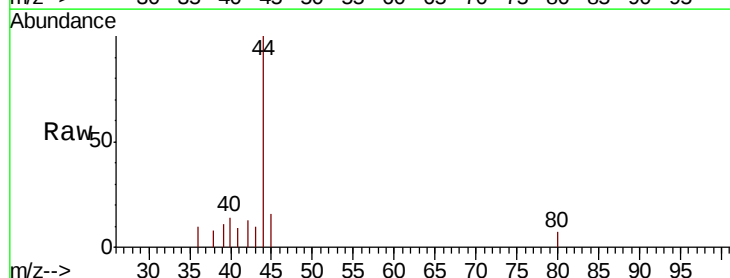
Tgt Ion: 96 Resp: 3424
 Ion Ratio Lower Upper
 96 100
 61 180.0 0.0 293.0
 98 62.5 0.0 131.8

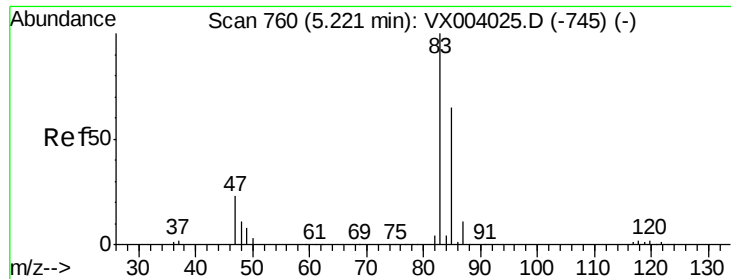


#29

Tetrahydrofuran
 Concen: 0.286 ug/l
 RT: 5.16 min Scan# 750
 Delta R.T. 0.01 min
 Lab File: VX004052.D
 Acq: 15 Aug 2018 02:34

Tgt Ion: 42 Resp: 489
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.7 56.5#
 71 0.0 35.0 52.6#

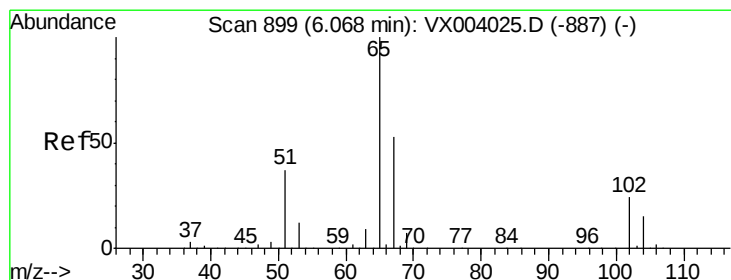
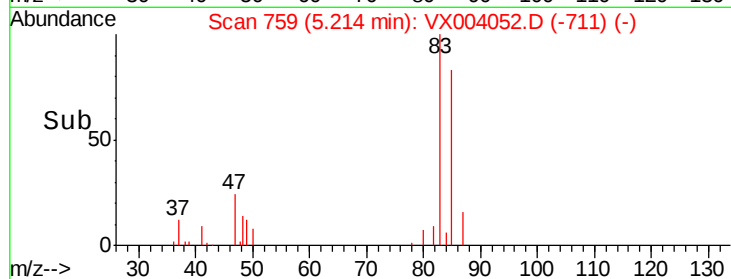
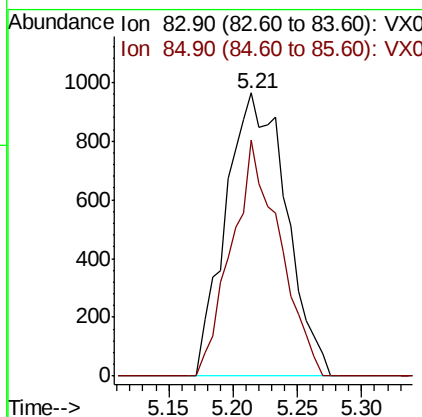
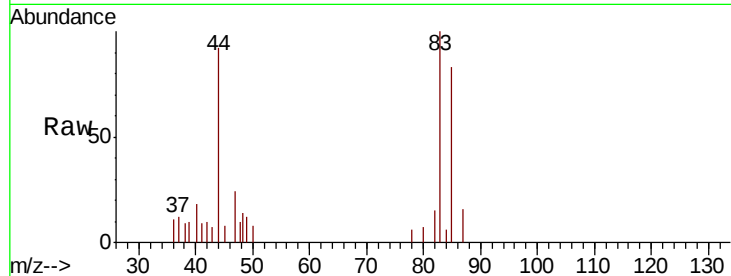




#30
 Chloroform
 Concen: 0.515 ug/l
 RT: 5.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX004052.D
 Acq: 15 Aug 2018 02:34

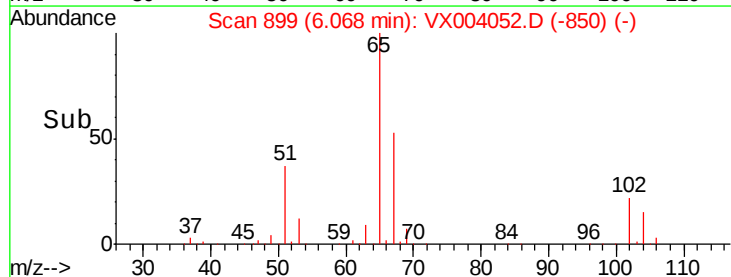
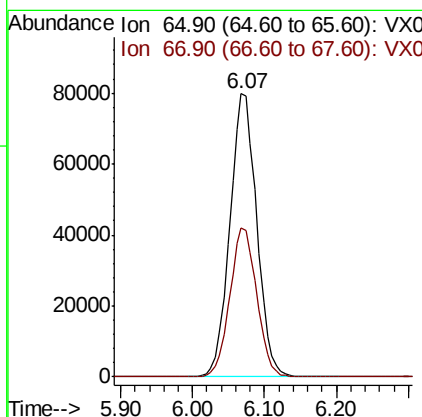
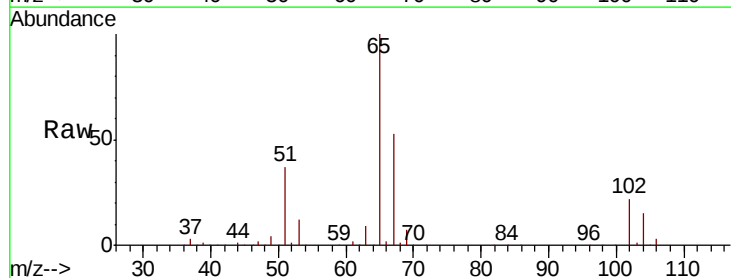
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-301-SRI3

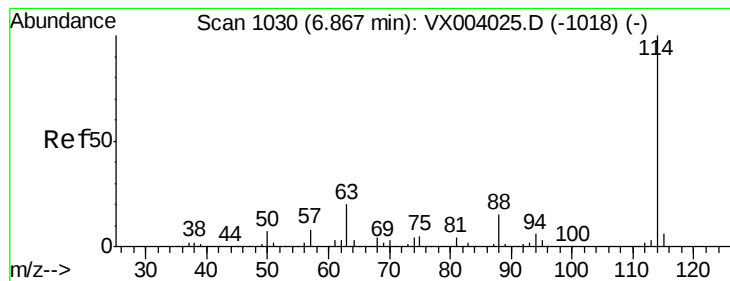
Tgt Ion: 83 Resp: 3132
 Ion Ratio Lower Upper
 83 100
 85 83.5 50.7 76.1#



#33
 1,2-Dichloroethane-d4
 Concen: 52.263 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004052.D
 Acq: 15 Aug 2018 02:34

Tgt Ion: 65 Resp: 206552
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

MW-301-SRI3

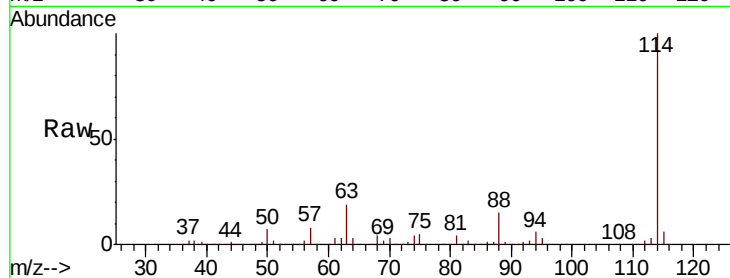
Tgt Ion:114 Resp: 446394

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

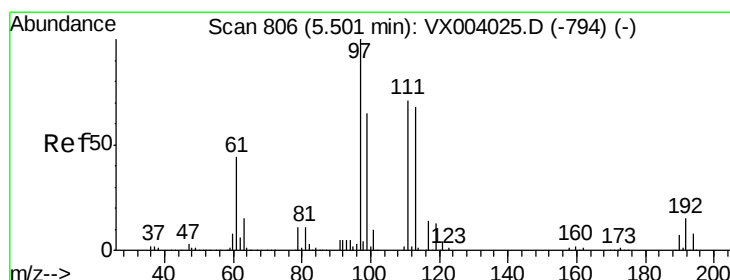
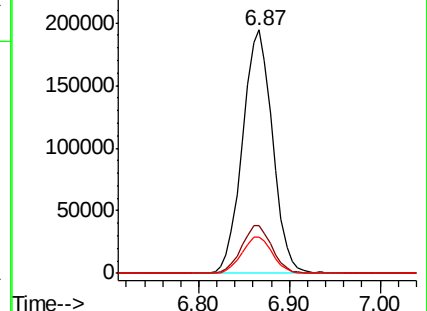
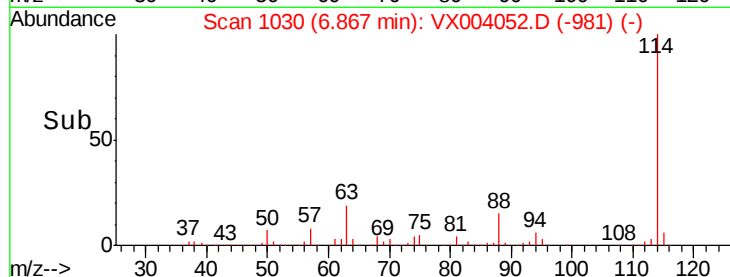
88 14.9 0.0 32.0



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: 50.635 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

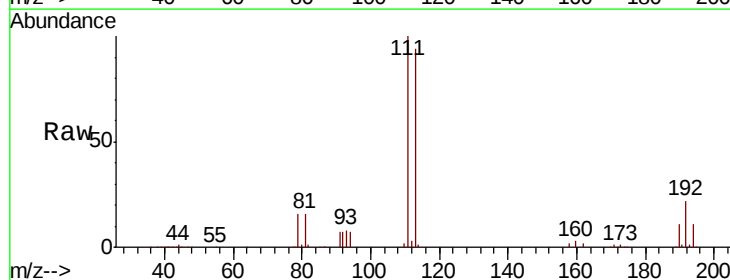
Tgt Ion:113 Resp: 169168

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

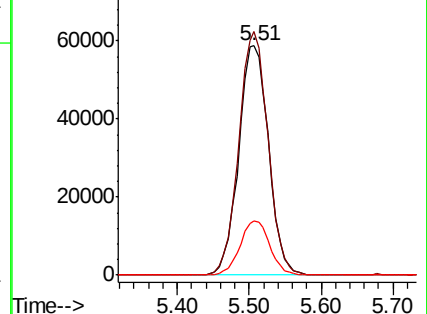
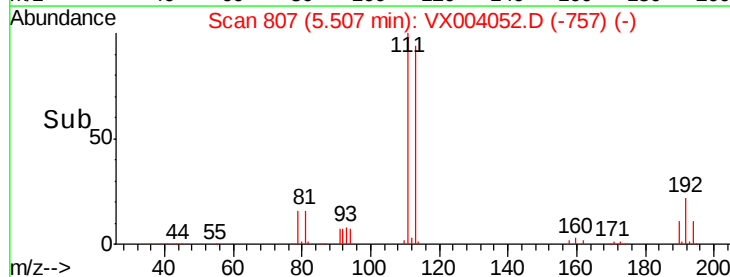
192 23.5 19.0 28.4

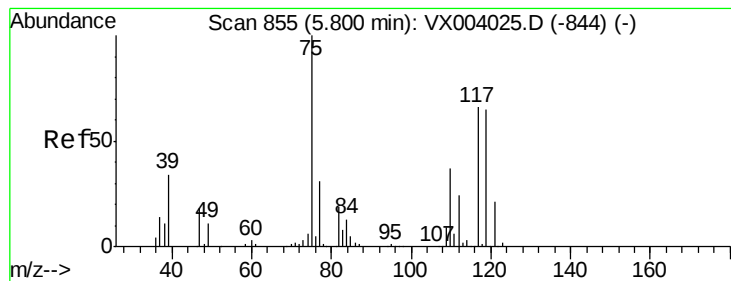


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.872 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

MW-301-SRI3

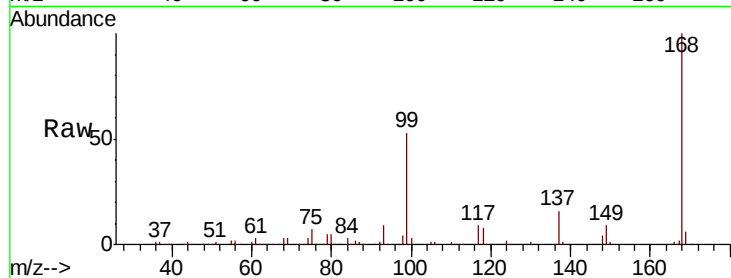
Tgt Ion: 75 Resp: 19666

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

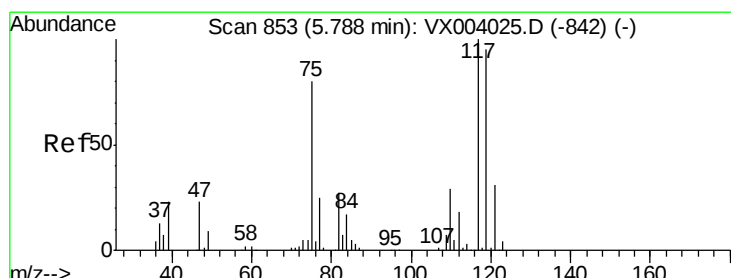
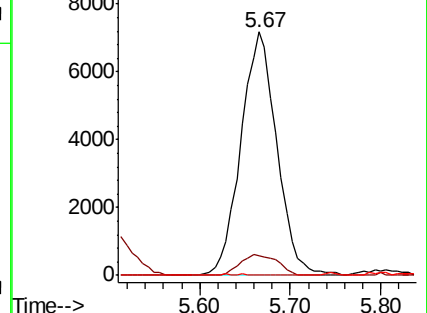
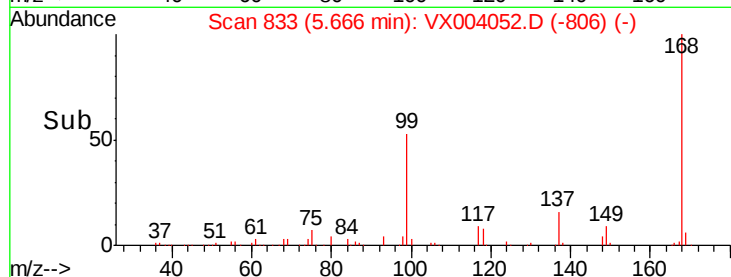
77 0.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.092 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

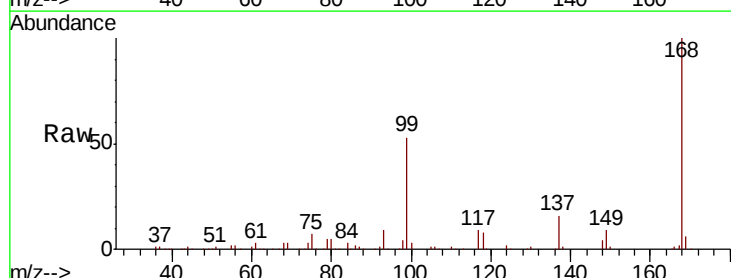
Tgt Ion: 117 Resp: 25130

Ion Ratio Lower Upper

117 100

119 4.7 79.5 119.3#

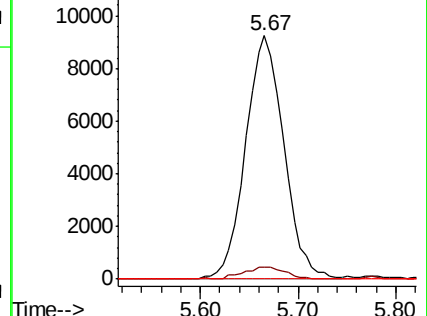
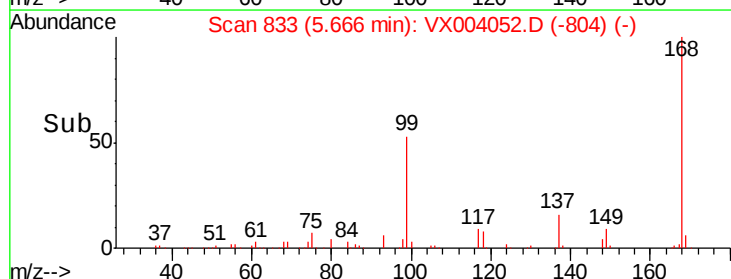
121 0.0 25.0 37.4#

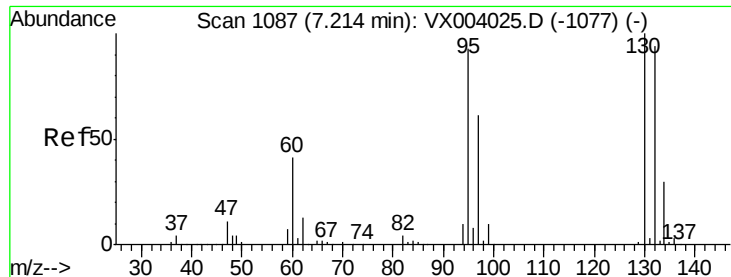


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 29.204 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

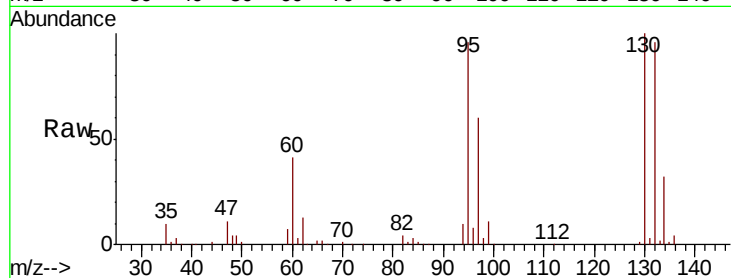
MW-301-SRI3

Tgt Ion:130 Resp: 120929

Ion Ratio Lower Upper

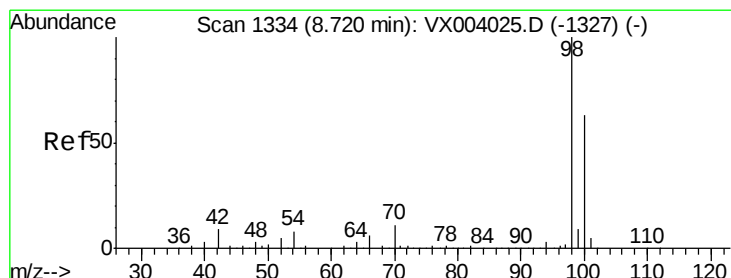
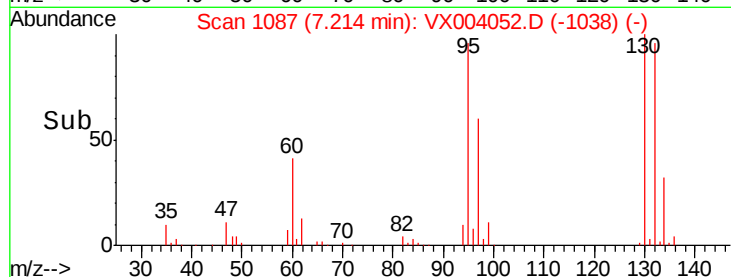
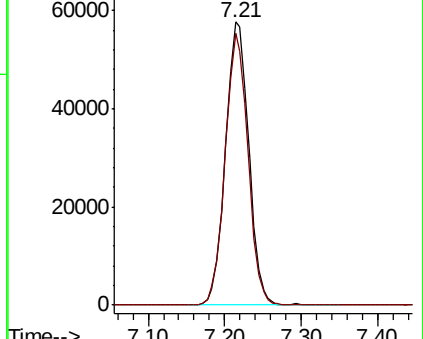
130 100

95 95.9 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: 47.297 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004052.D

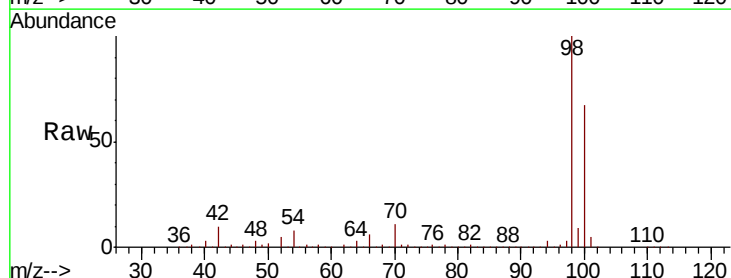
Acq: 15 Aug 2018 02:34

Tgt Ion: 98 Resp: 640654

Ion Ratio Lower Upper

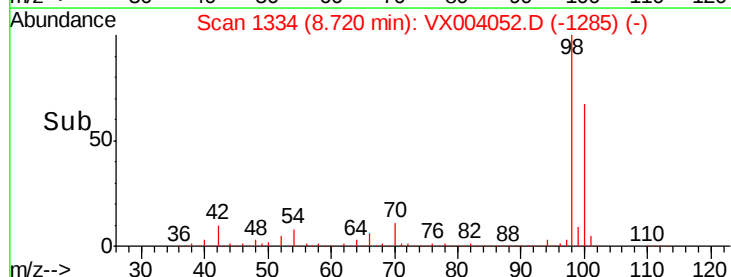
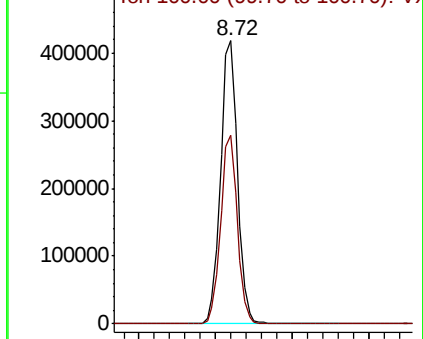
98 100

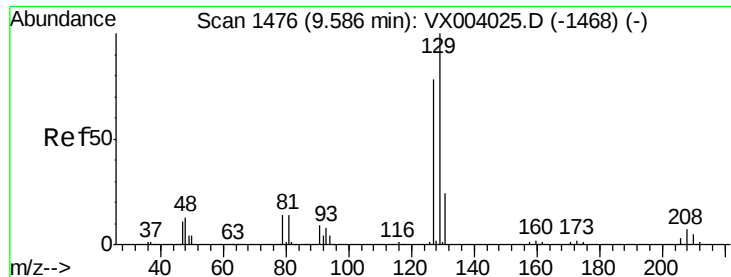
100 65.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

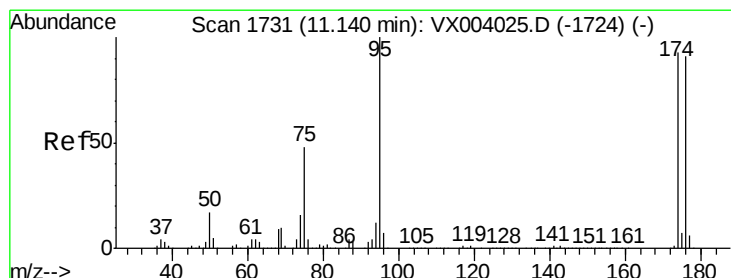
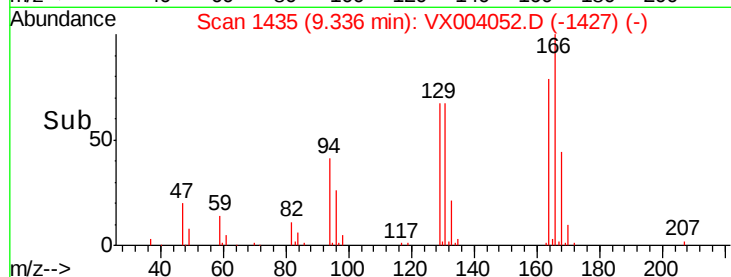
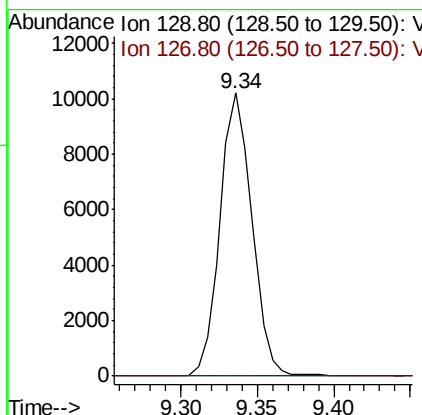
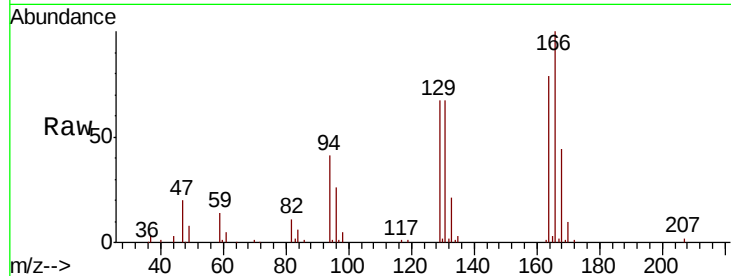




#60
 Dibromochloromethane
 Concen: 3.863 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX004052.D
 Acq: 15 Aug 2018 02:34

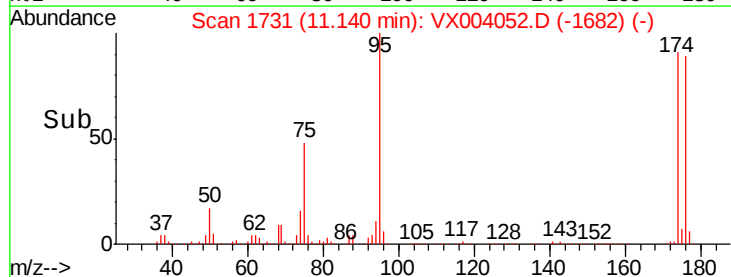
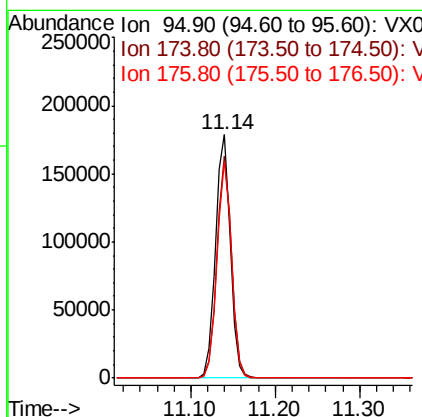
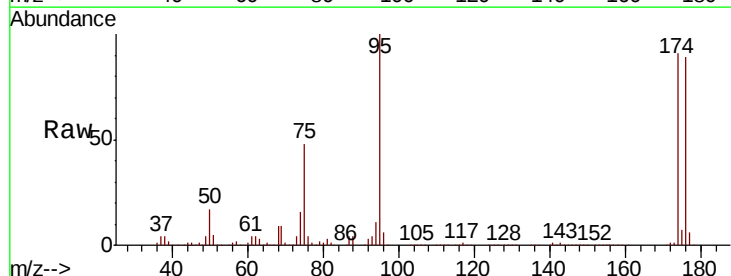
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-301-SRI3

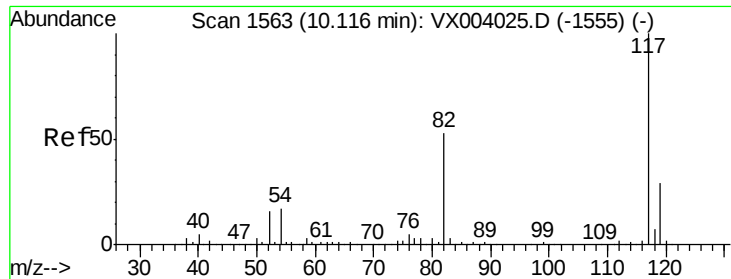
Tgt Ion:129 Resp: 14810
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.3#



#62
 4-Bromofluorobenzene
 Concen: 44.522 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004052.D
 Acq: 15 Aug 2018 02:34

Tgt Ion: 95 Resp: 218728
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 182.8
 176 87.6 0.0 179.0

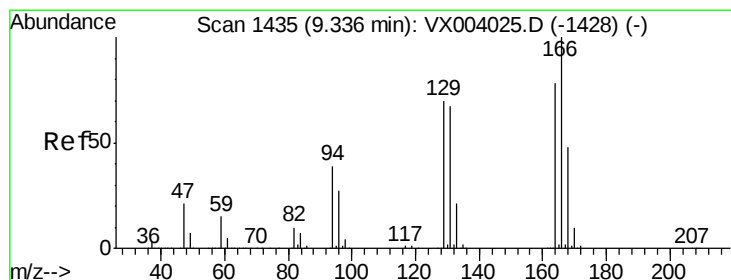
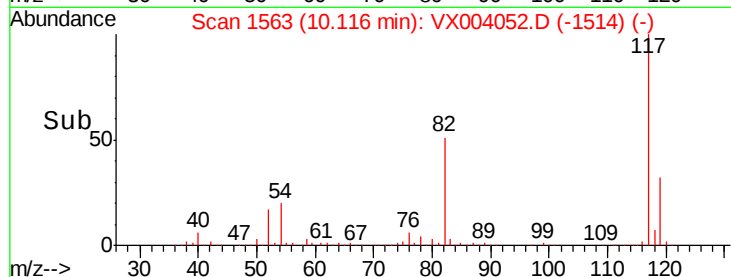
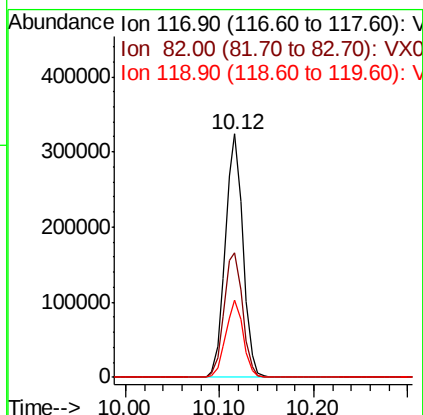
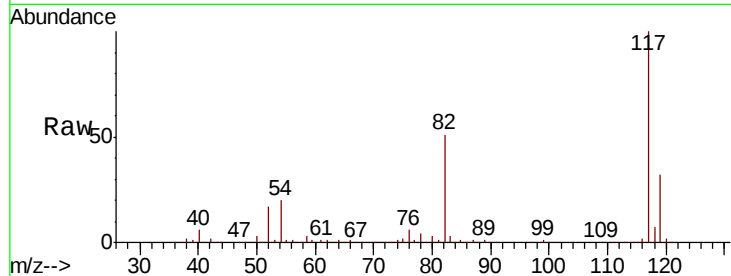




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004052.D
Acq: 15 Aug 2018 02:34

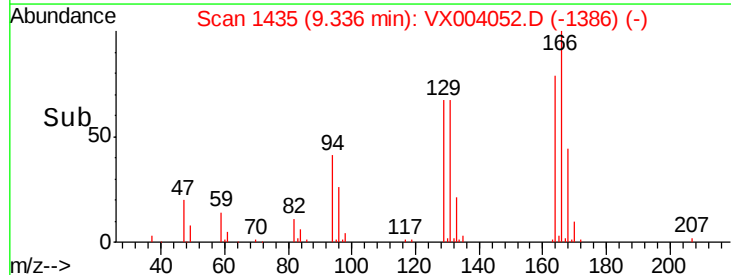
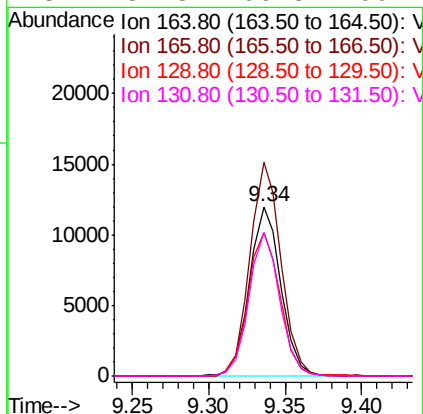
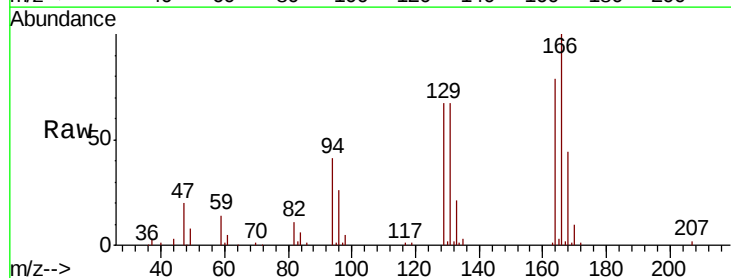
Instrument :
MSVOA_X
ClientSampleId :
MW-301-SRI3

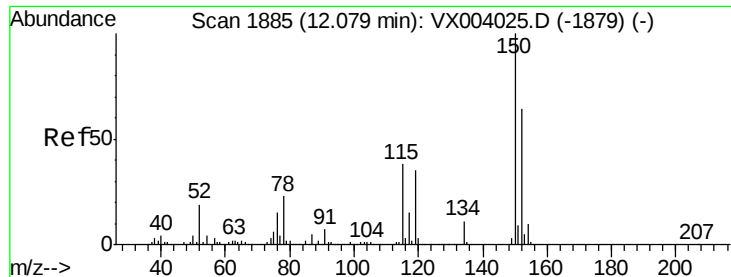
Tgt Ion:117 Resp: 421975
Ion Ratio Lower Upper
117 100
82 51.1 45.4 68.0
119 31.8 26.6 40.0



#64
Tetrachloroethene
Concen: 4.291 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004052.D
Acq: 15 Aug 2018 02:34

Tgt Ion:164 Resp: 17162
Ion Ratio Lower Upper
164 100
166 126.1 98.0 147.0
129 85.0 64.3 96.5
131 84.8 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

MW-301-SRI3

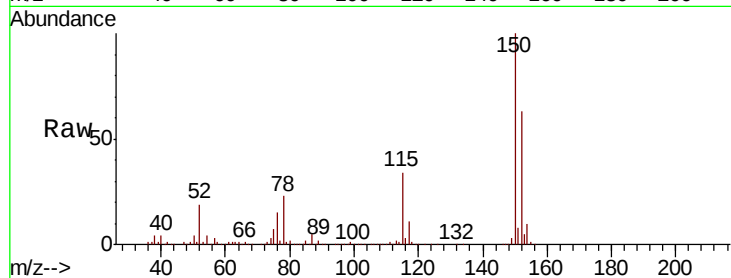
Tgt Ion:152 Resp: 229517

Ion Ratio Lower Upper

152 100

115 54.0 39.1 117.3

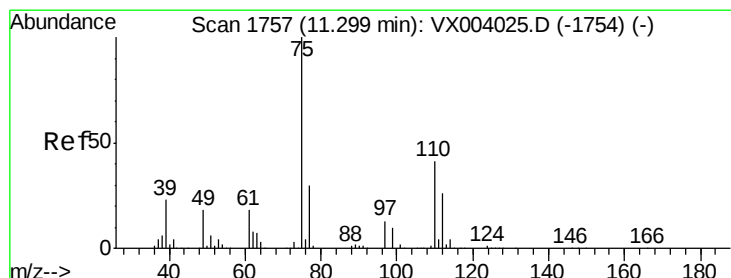
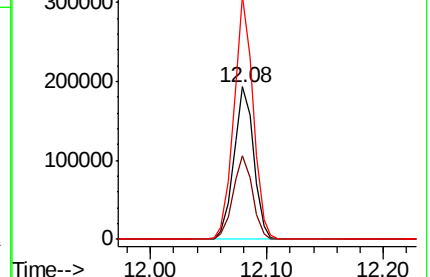
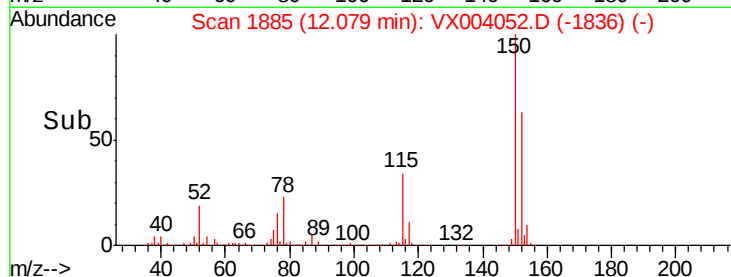
150 154.0 0.0 349.2



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: 23.072 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004052.D

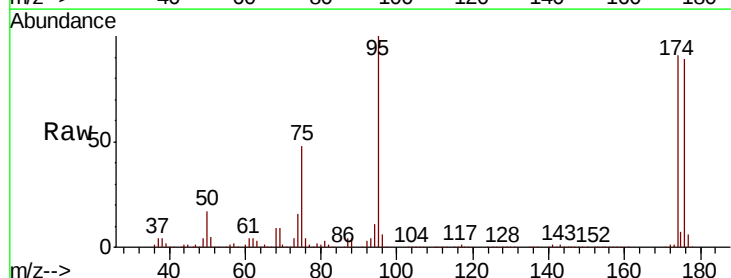
Acq: 15 Aug 2018 02:34

Tgt Ion: 75 Resp: 106197

Ion Ratio Lower Upper

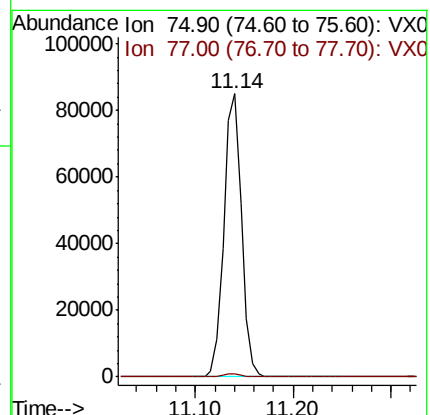
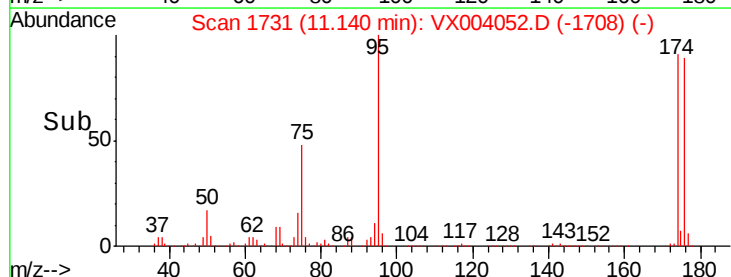
75 100

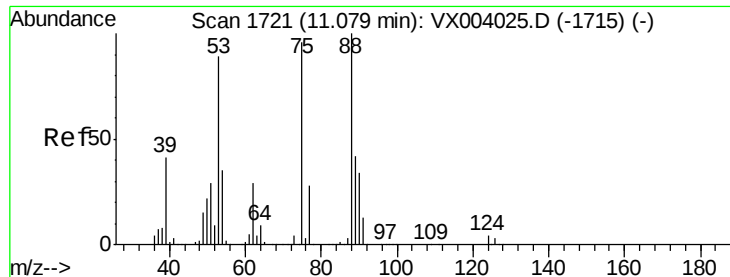
77 1.3 20.8 62.5#



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: 71.421 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

Instrument :

MSVOA_X

ClientSampleId :

MW-301-SRI3

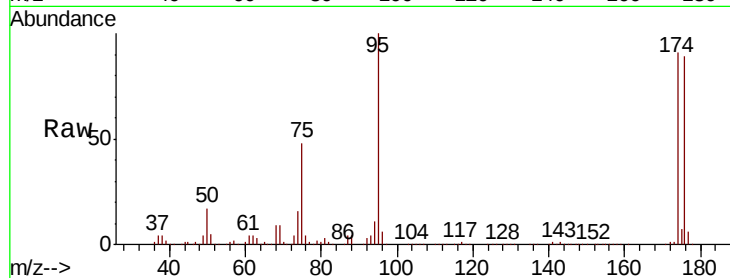
Tgt Ion: 75 Resp: 106197

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

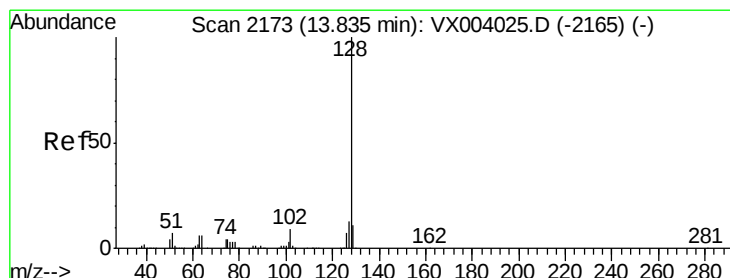
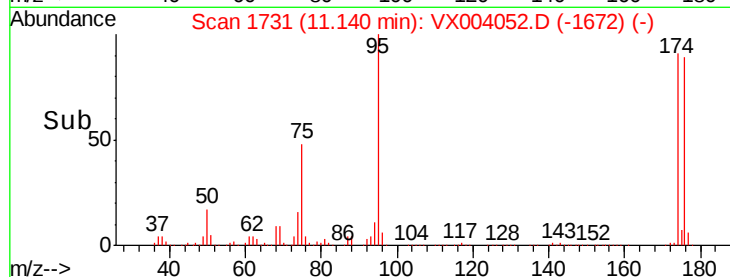
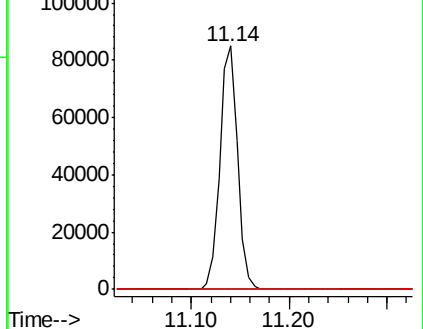
89 0.0 37.8 56.8#



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



#95

Naphthalene

Concen: 1.181 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004052.D

Acq: 15 Aug 2018 02:34

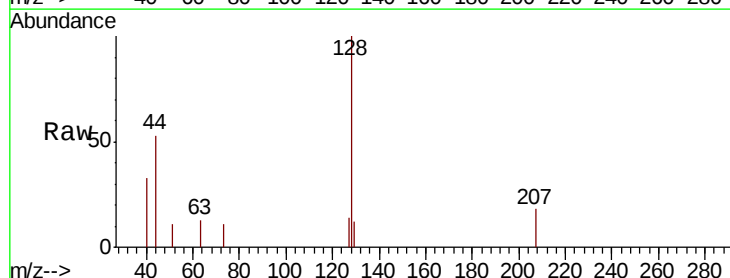
Tgt Ion: 128 Resp: 600

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 10.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

