

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004063.D
 Acq On : 15 Aug 2018 07:26
 Operator : JC/MD
 Sample : J4439-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-299-SRI3

Quant Time: Aug 15 09:41:48 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	271466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	436194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	405979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217652	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	203728	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
35) Dibromofluoromethane	5.50	113	174573	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
50) Toluene-d8	8.72	98	625126	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	206753	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	709	0.221	ug/l #	76
6) Chloroethane	1.61	64	2538	Below Cal	#	56
10) Methyl Iodide	2.53	142	192	5.063	ug/l #	85
11) Tert butyl alcohol	3.02	59	248	0.322	ug/l #	73
13) Acrolein	2.29	56	68	11.074	ug/l	95
16) Acetone	2.44	43	3508	1.764	ug/l #	87
20) Methylene Chloride	2.86	84	218	Below Cal	#	76
31) Cyclohexane	5.66	56	5295	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18996	3.827	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24726	5.127	ug/l #	15
44) Trichloroethene	7.22	130	3491	0.863	ug/l	92
51) 4-Methyl-2-Pentanone	8.71	43	2467	0.378	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	101831	23.330	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101831	72.218	ug/l #	9
95) Naphthalene	13.83	128	238	1.160	ug/l #	69

(#) = 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: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

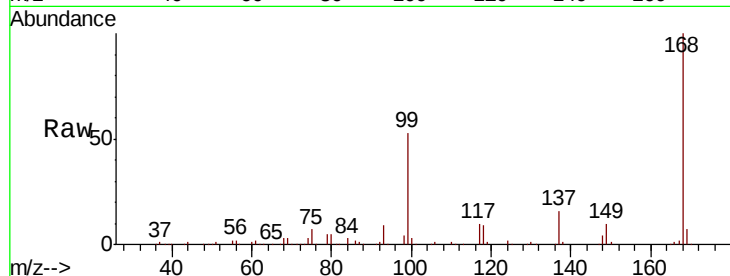
MW-299-SRI3

Tgt Ion:168 Resp: 271466

Ion Ratio Lower Upper

168 100

99 53.4 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): VX004025.D (-819) (-)

Ion 98.90 (98.60 to 99.60): VX004025.D (-819) (-)

5.67

100000

80000

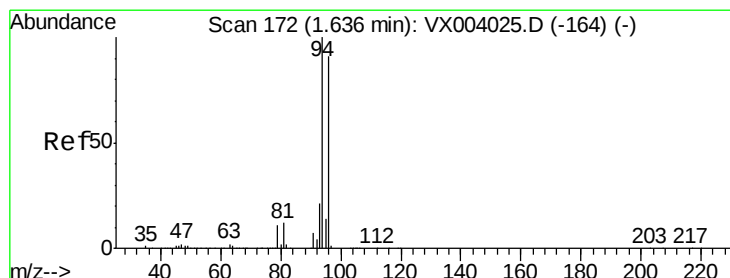
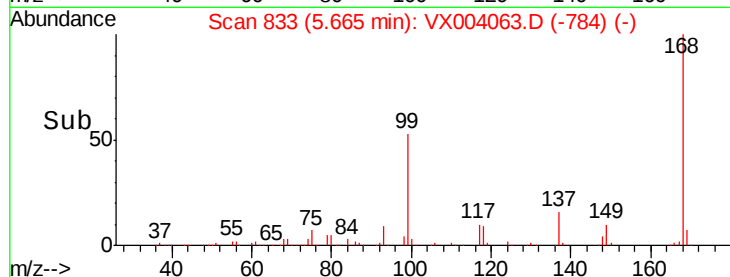
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004063.D

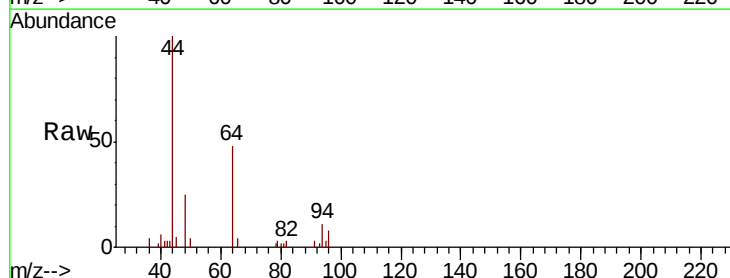
Acq: 15 Aug 2018 07:26

Tgt Ion: 94 Resp: 709

Ion Ratio Lower Upper

94 100

96 71.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX004025.D (-164) (-)

Ion 95.90 (95.60 to 96.60): VX004025.D (-164) (-)

1.65

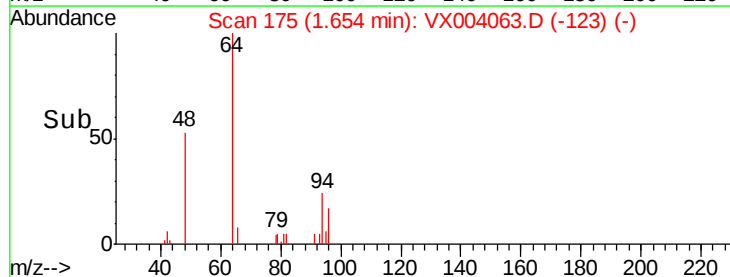
300

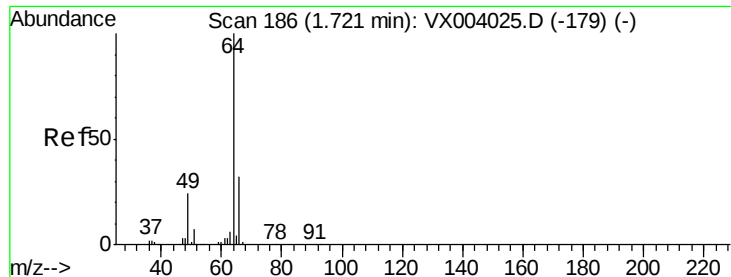
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.12 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

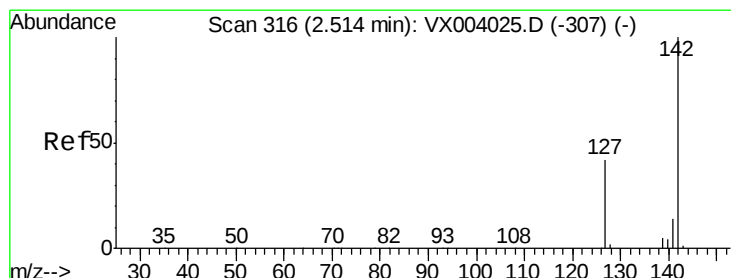
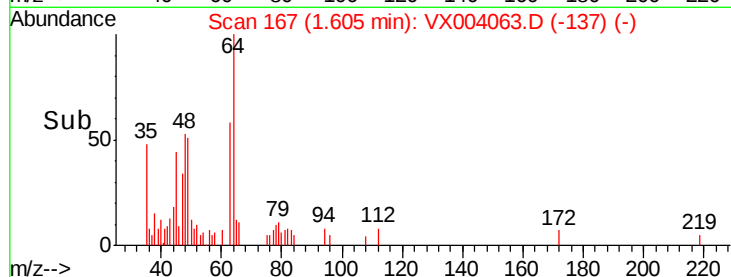
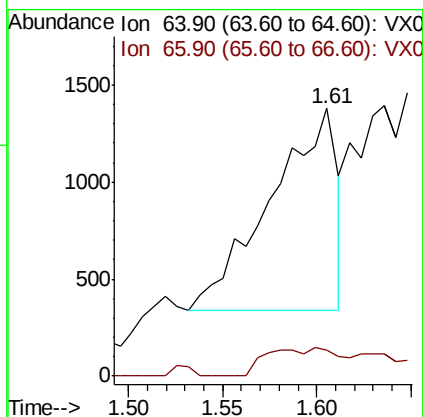
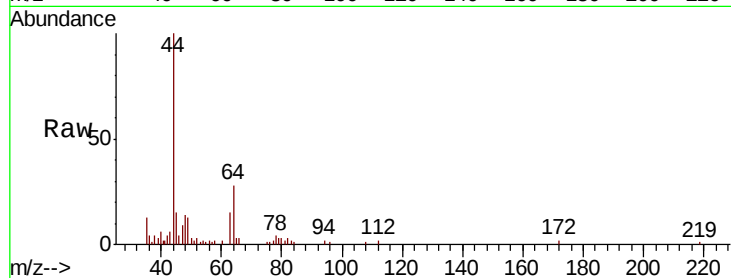
MW-299-SRI3

Tgt Ion: 64 Resp: 2538

Ion Ratio Lower Upper

64 100

66 8.3 26.5 39.7#



#10

Methyl Iodide

Concen: 5.063 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

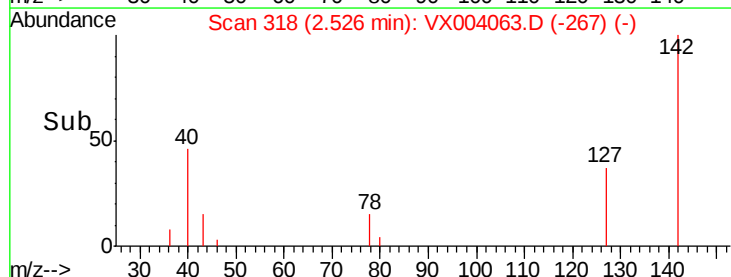
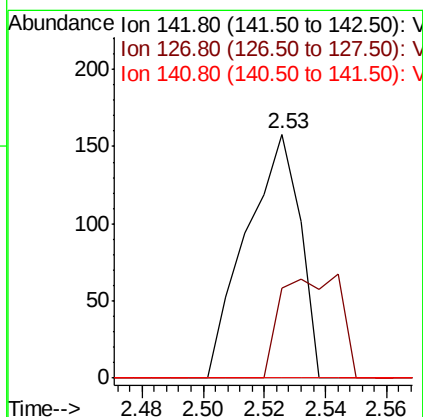
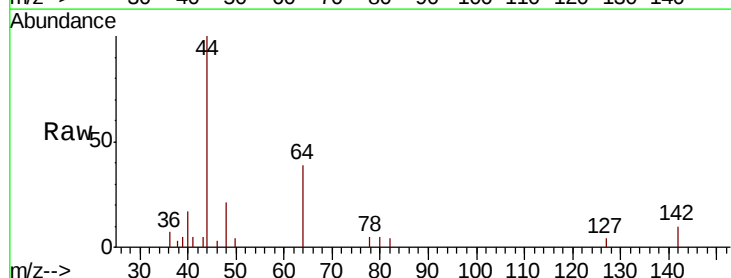
Tgt Ion: 142 Resp: 192

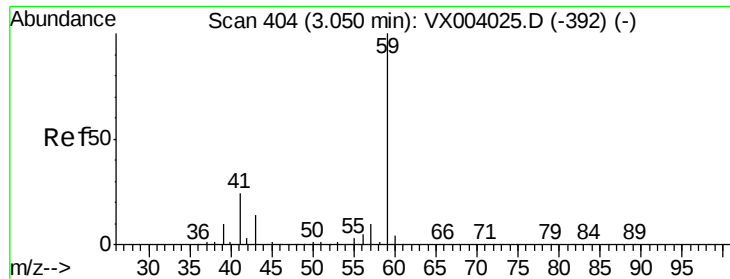
Ion Ratio Lower Upper

142 100

127 46.9 33.1 49.7

141 0.0 11.1 16.7#

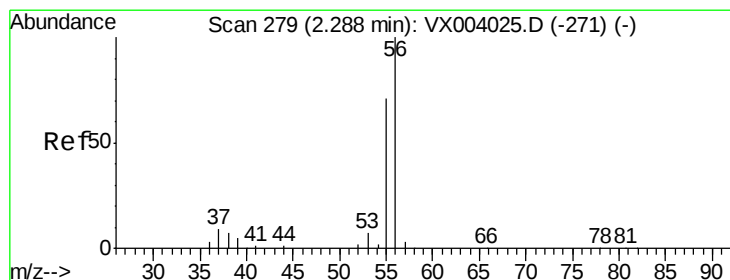
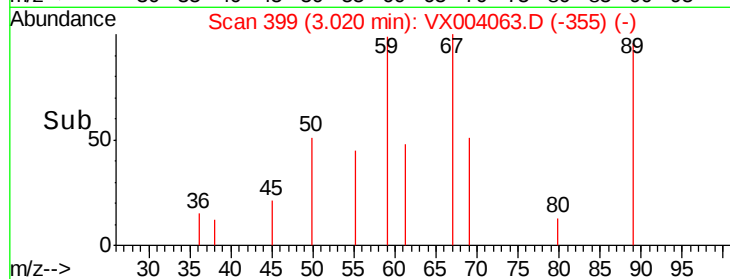
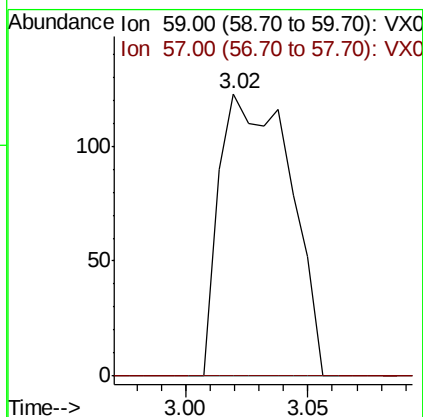
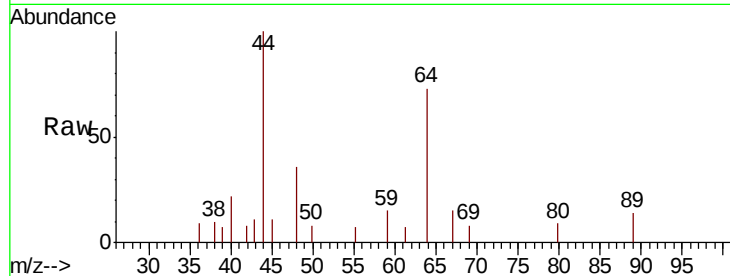




#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004063.D
Acq: 15 Aug 2018 07:26

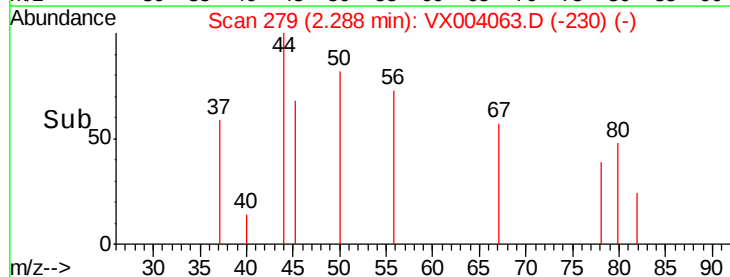
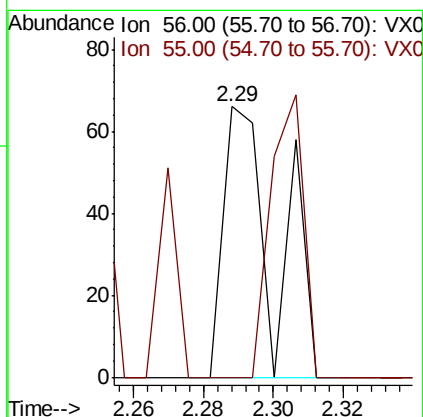
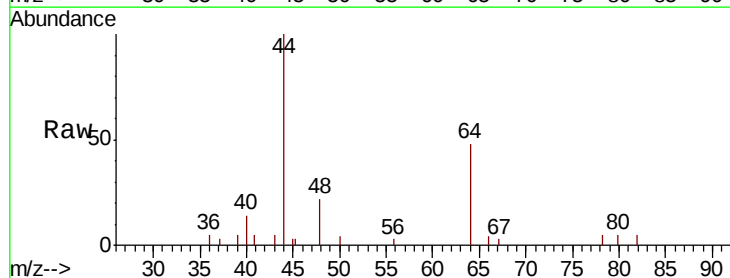
Instrument :
MSVOA_X
ClientSampled :
MW-299-SRI3

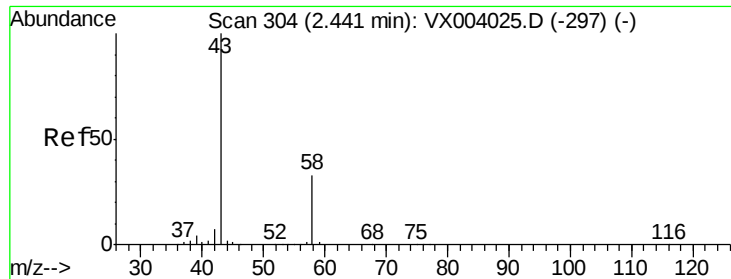
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 11.074 ug/l
RT: 2.29 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004063.D
Acq: 15 Aug 2018 07:26

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 66.2 56.1 84.1





#16

Acetone

Concen: 1.764 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

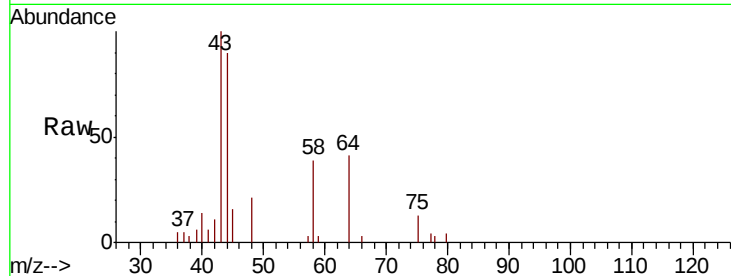
MW-299-SRI3

Tgt Ion: 43 Resp: 3508

Ion Ratio Lower Upper

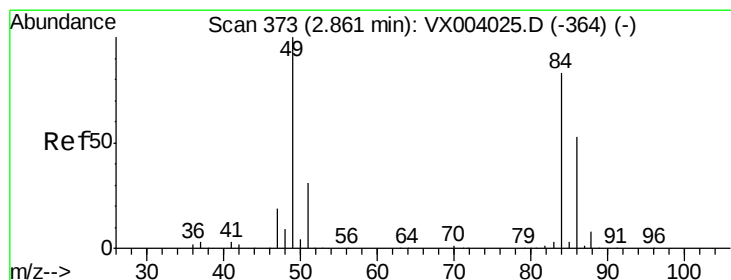
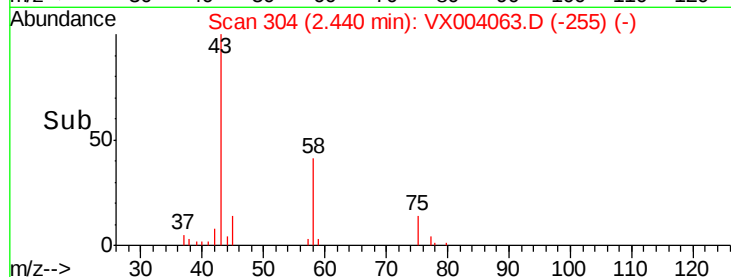
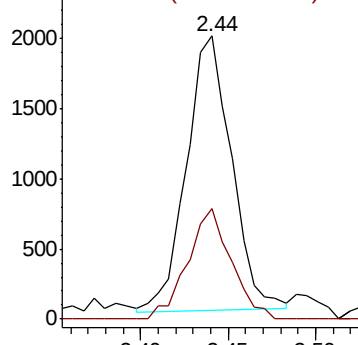
43 100

58 40.6 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Tgt Ion: 84 Resp: 218

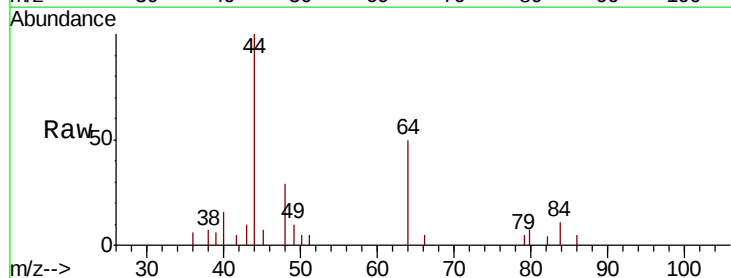
Ion Ratio Lower Upper

84 100

49 92.8 98.9 148.3#

51 49.7 29.9 44.9#

86 47.1 51.0 76.6#

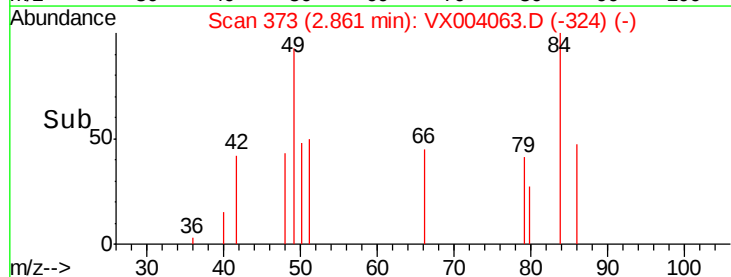
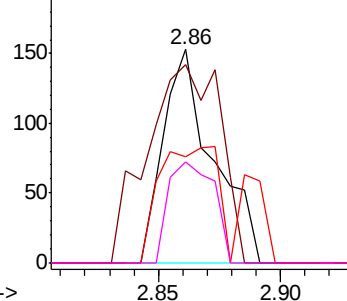


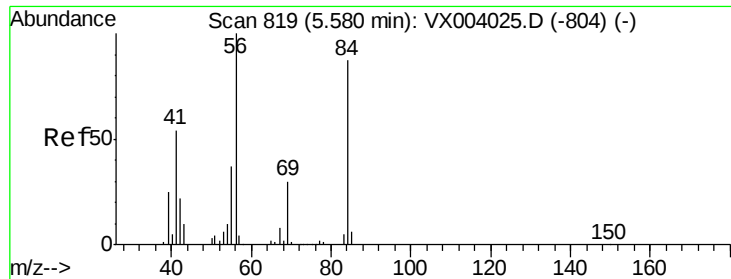
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

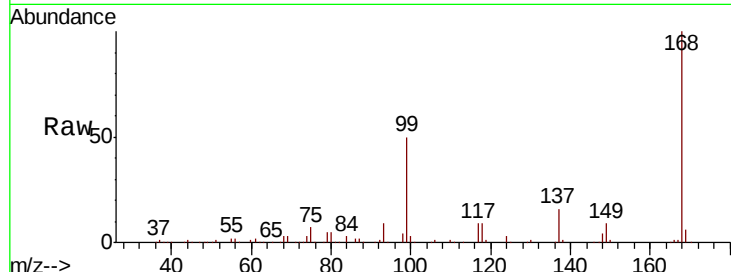




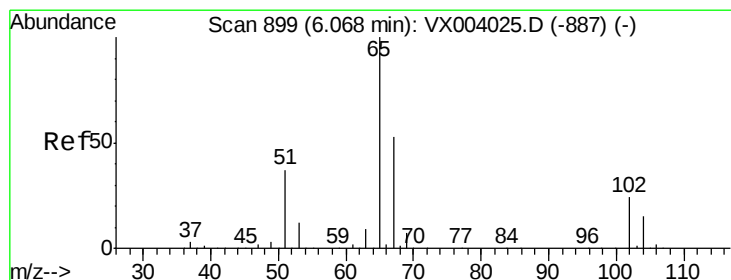
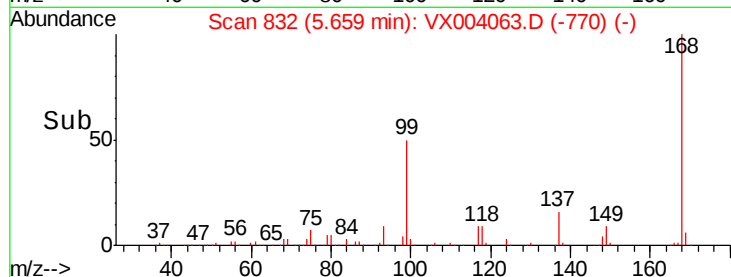
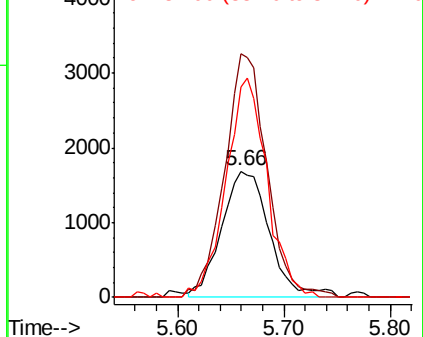
#31
Cyclohexane
Concen: 1.001 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX004063.D
Acq: 15 Aug 2018 07:26

Instrument :
MSVOA_X
ClientSampleId :
MW-299-SRI3

Tgt Ion: 56 Resp: 5295
Ion Ratio Lower Upper
56 100
69 192.8 24.9 37.3#
84 167.0 71.7 107.5#

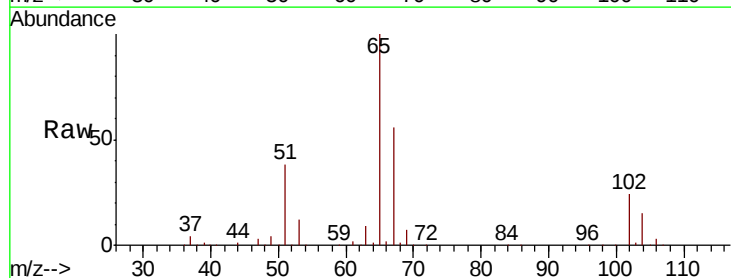


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

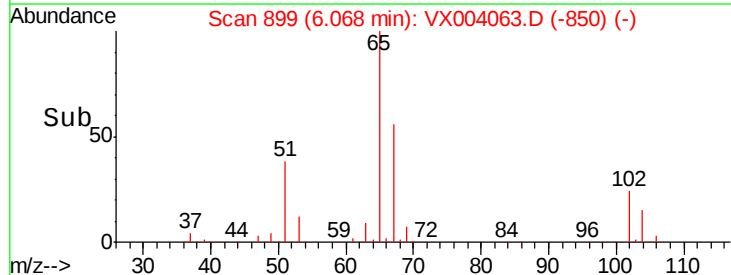
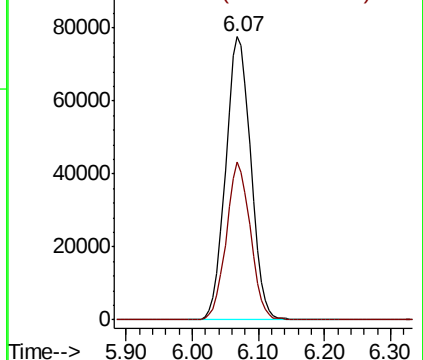


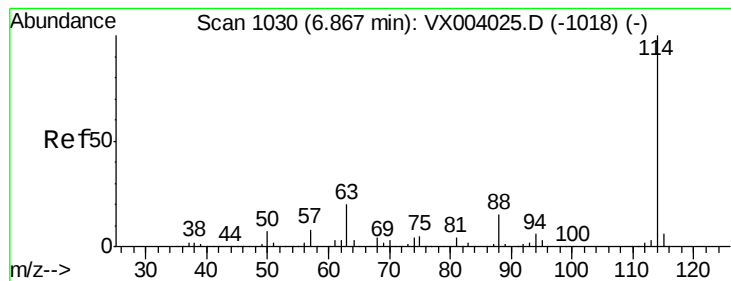
#33
1,2-Dichloroethane-d4
Concen: 53.265 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004063.D
Acq: 15 Aug 2018 07:26

Tgt Ion: 65 Resp: 203728
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

MW-299-SRI3

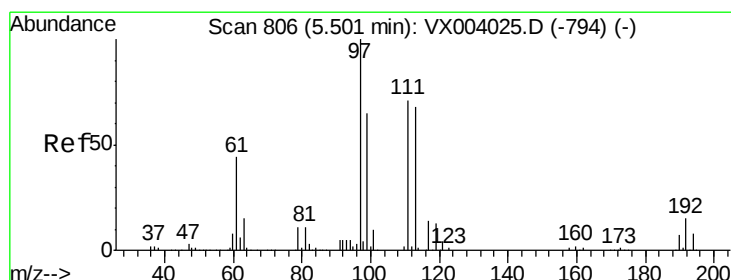
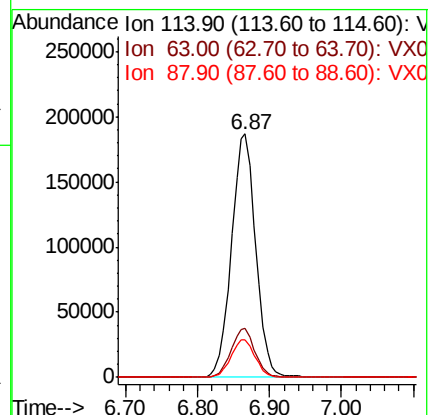
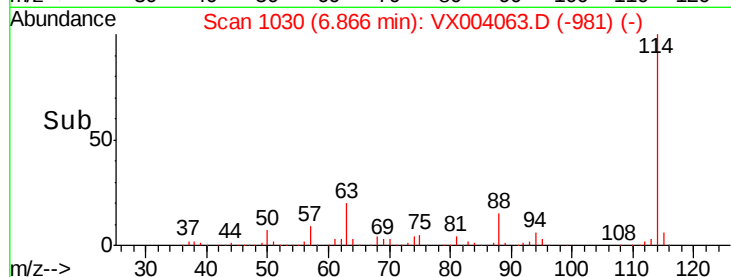
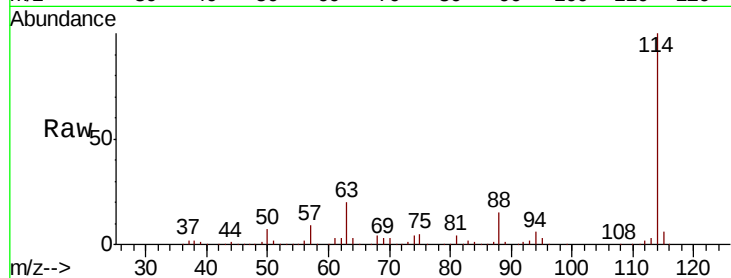
Tgt Ion:114 Resp: 436194

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 15.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 53.475 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

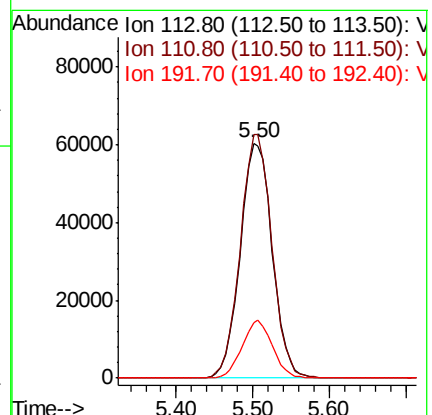
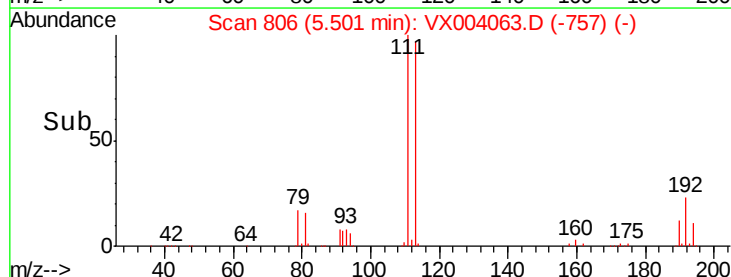
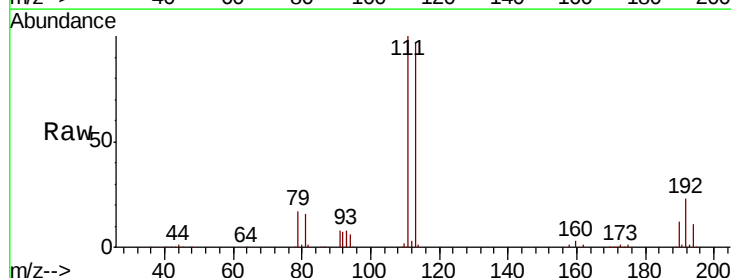
Tgt Ion:113 Resp: 174573

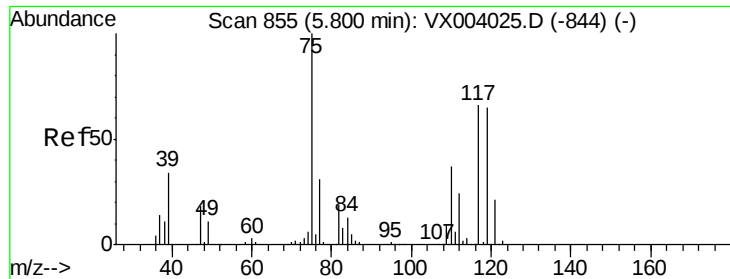
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 23.4 19.0 28.4

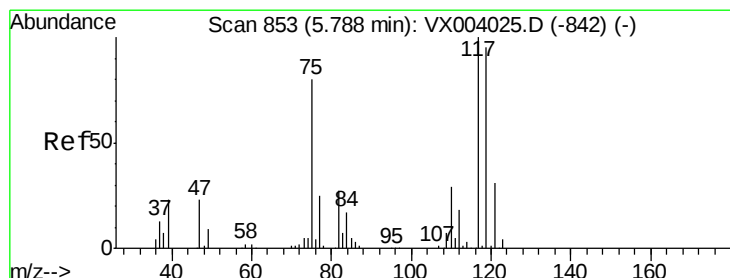
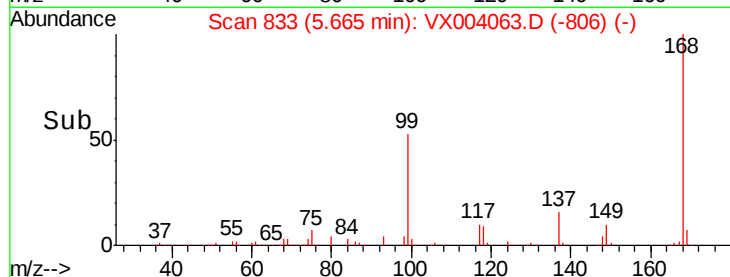
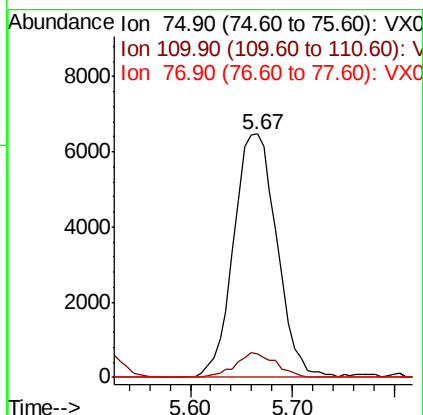
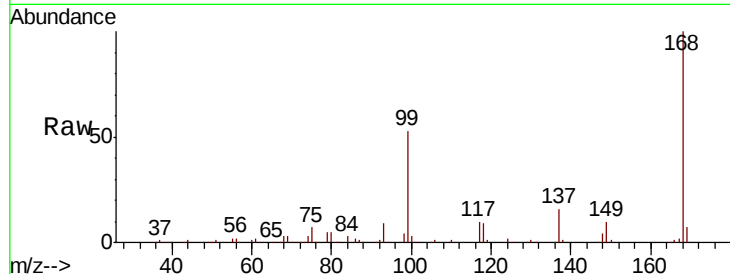




#36
 1,1-Dichloropropene
 Concen: 3.827 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004063.D
 Acq: 15 Aug 2018 07:26

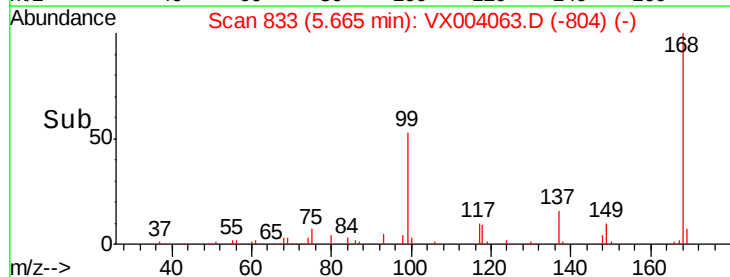
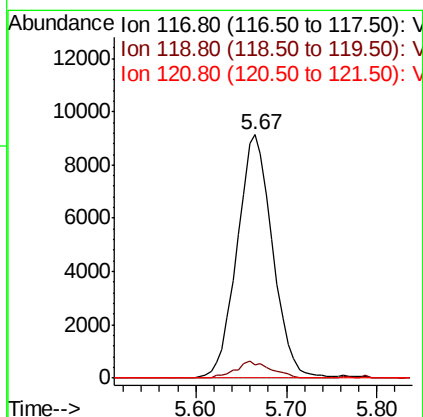
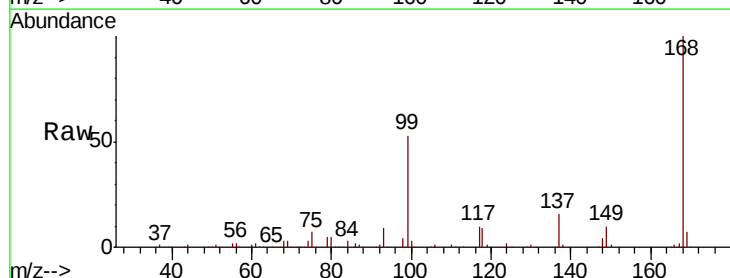
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-299-SRI3

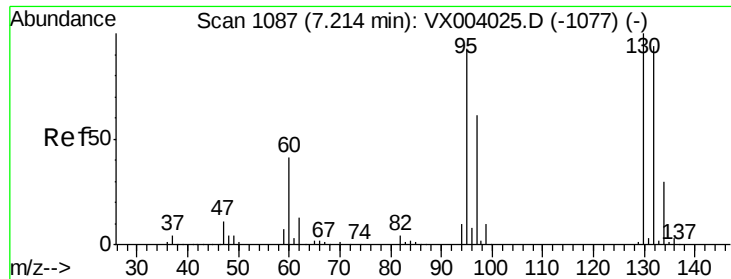
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.127 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004063.D
 Acq: 15 Aug 2018 07:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.5	119.3#
121	0.0	25.0	37.4#





#44

Trichloroethene

Concen: 0.863 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

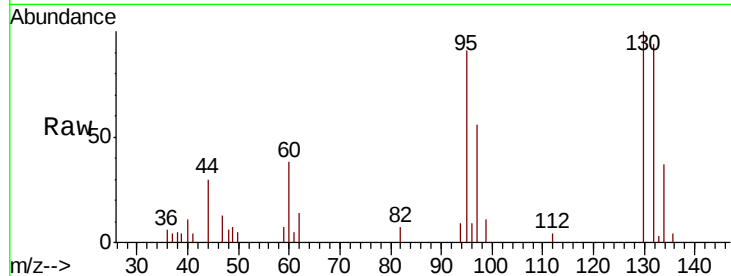
MW-299-SRI3

Tgt Ion:130 Resp: 3491

Ion Ratio Lower Upper

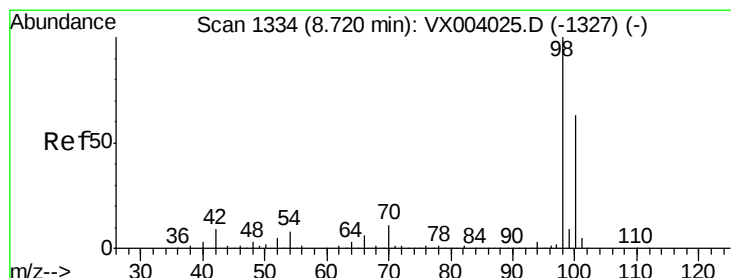
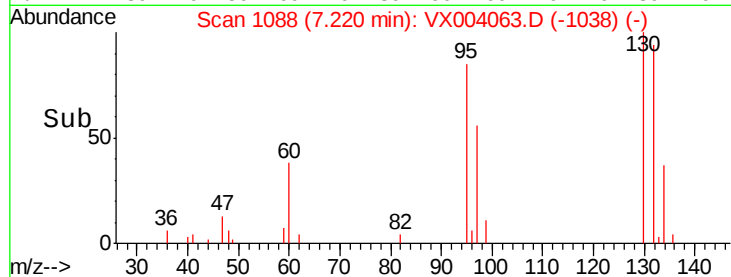
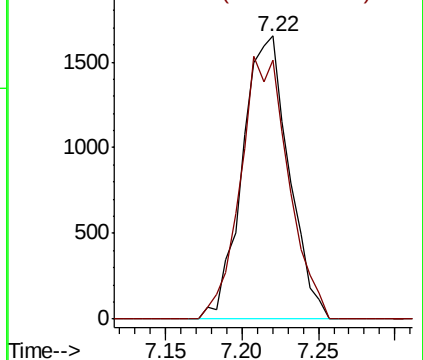
130 100

95 91.5 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: 47.229 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004063.D

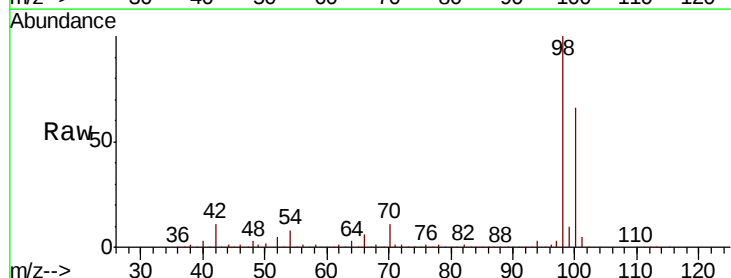
Acq: 15 Aug 2018 07:26

Tgt Ion: 98 Resp: 625126

Ion Ratio Lower Upper

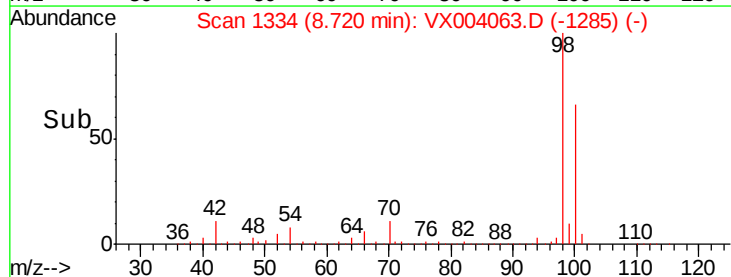
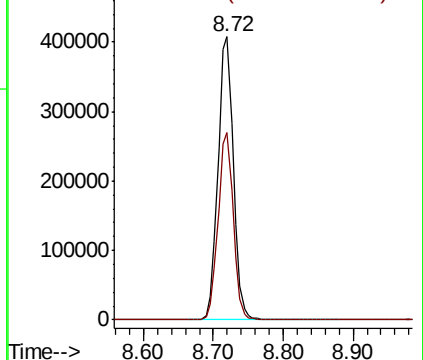
98 100

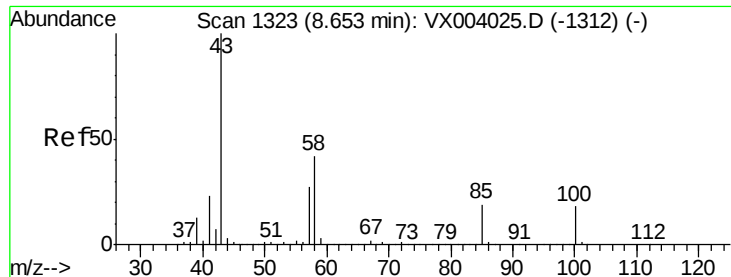
100 65.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

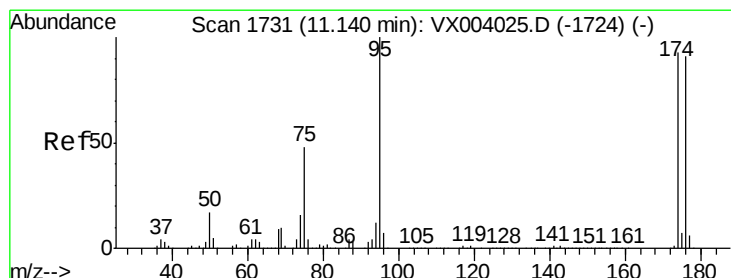
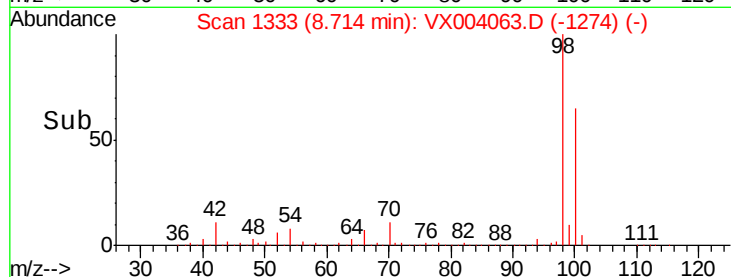
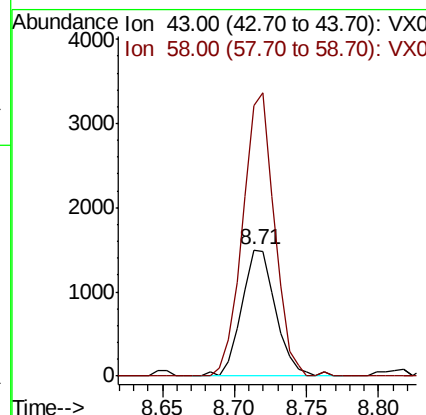
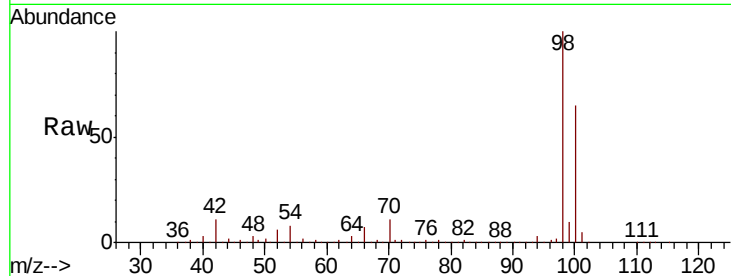




#51
 4-Methyl-2-Pentanone
 Concen: 0.378 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. 0.06 min
 Lab File: VX004063.D
 Acq: 15 Aug 2018 07:26

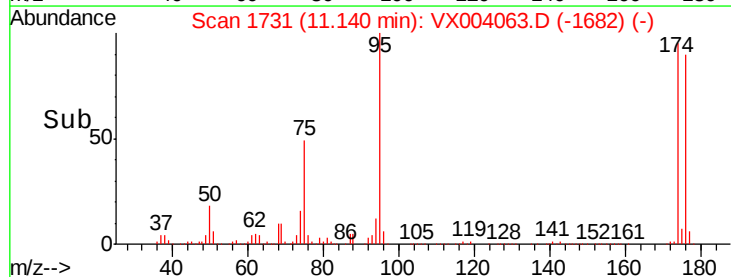
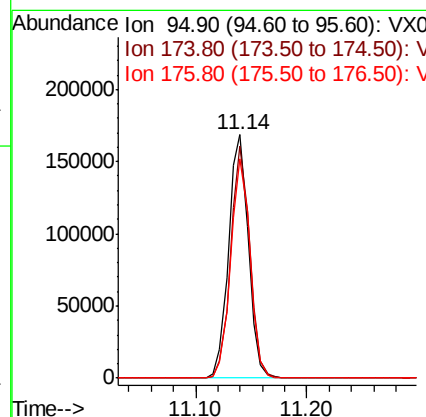
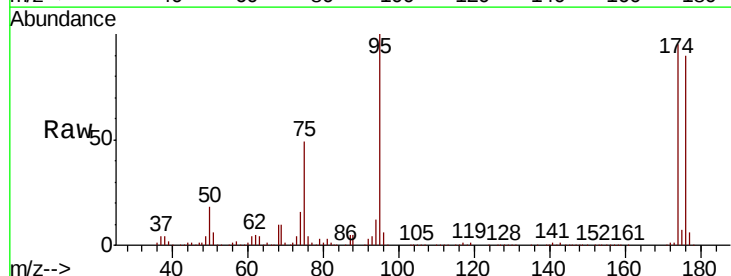
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-299-SRI3

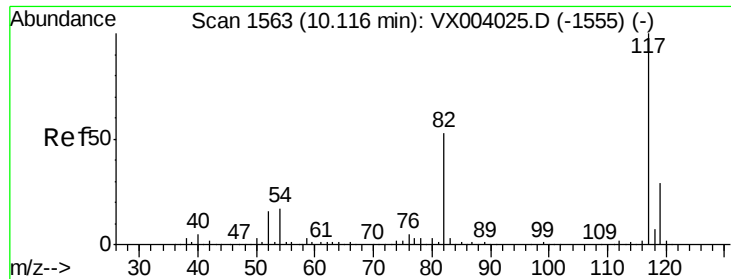
Tgt Ion: 43 Resp: 2467
 Ion Ratio Lower Upper
 43 100
 58 207.2 33.0 49.6#



#62
 4-Bromofluorobenzene
 Concen: 43.068 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004063.D
 Acq: 15 Aug 2018 07:26

Tgt Ion: 95 Resp: 206753
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 182.8
 176 88.7 0.0 179.0

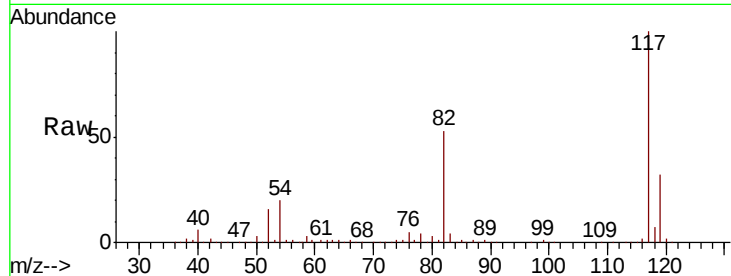




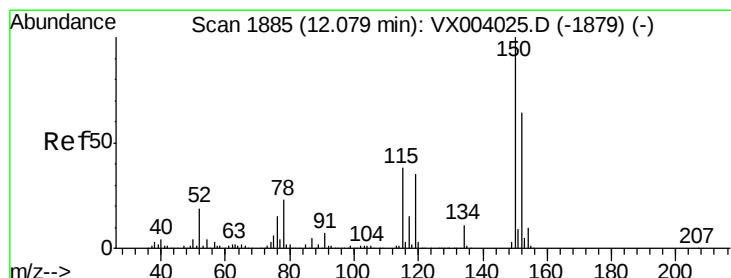
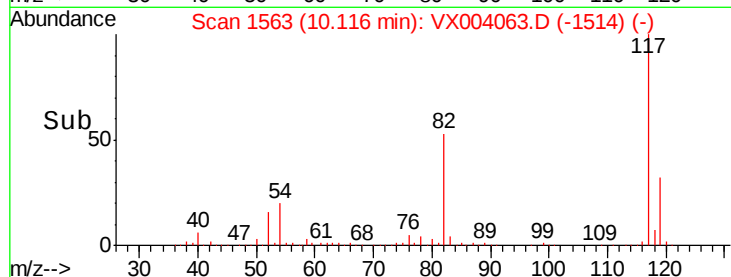
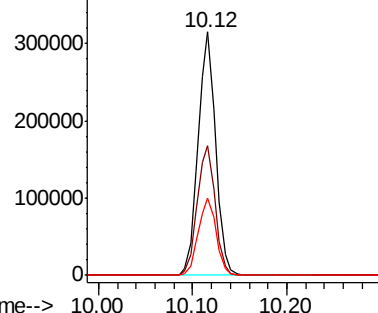
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004063.D
Acq: 15 Aug 2018 07:26

Instrument :
MSVOA_X
ClientSampleId :
MW-299-SRI3

Tgt Ion:117 Resp: 405979
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 31.6 26.6 40.0

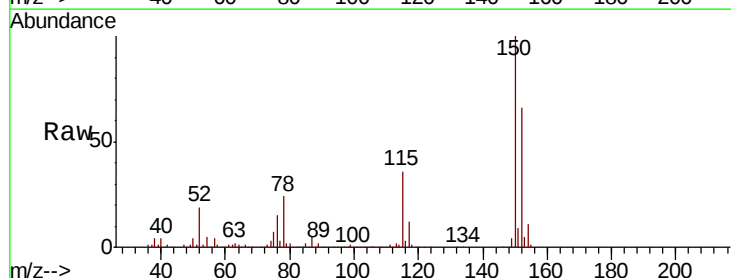


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

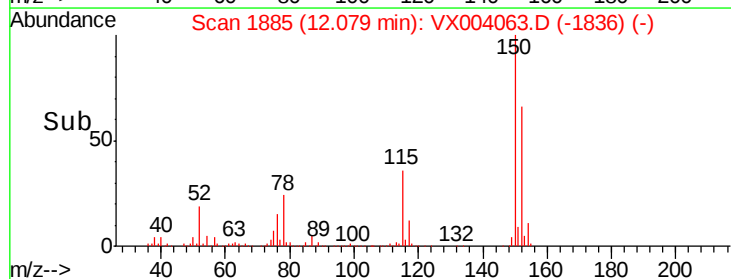
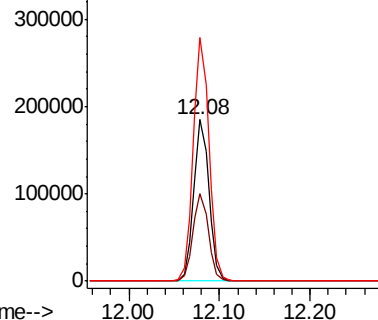


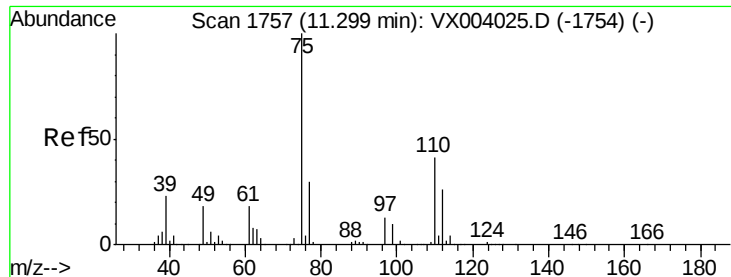
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004063.D
Acq: 15 Aug 2018 07:26

Tgt Ion:152 Resp: 217652
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.3
150 155.6 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: 23.330 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

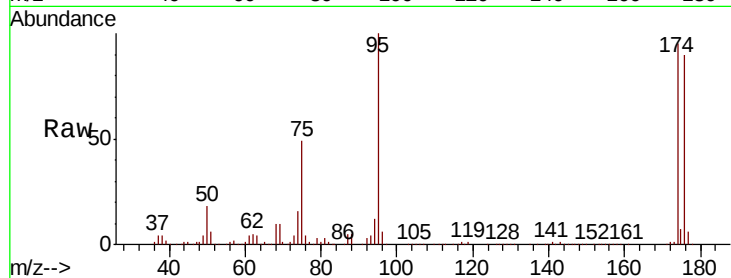
MW-299-SRI3

Tgt Ion: 75 Resp: 101831

Ion Ratio Lower Upper

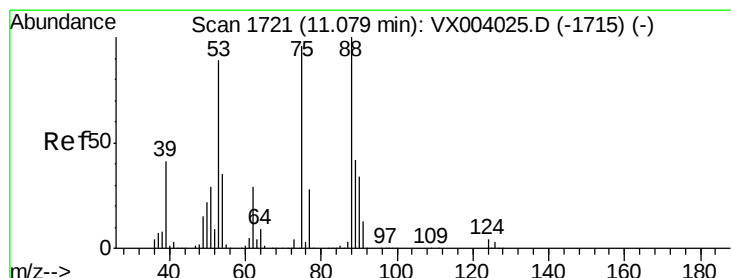
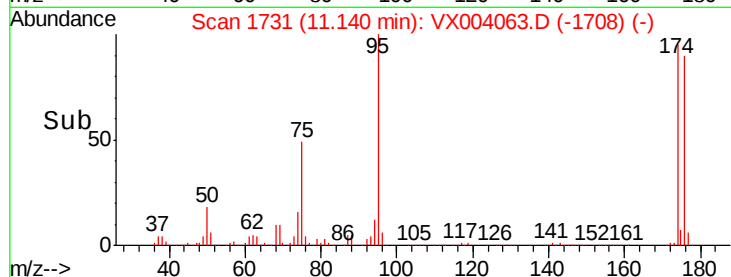
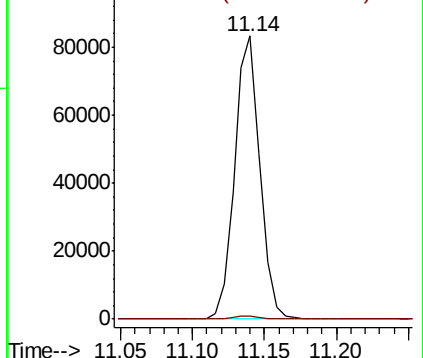
75 100

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: 72.218 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

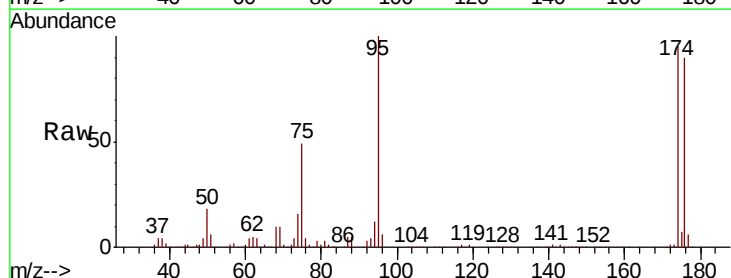
Tgt Ion: 75 Resp: 101831

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

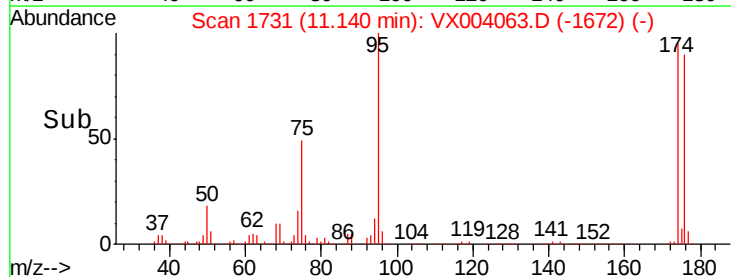
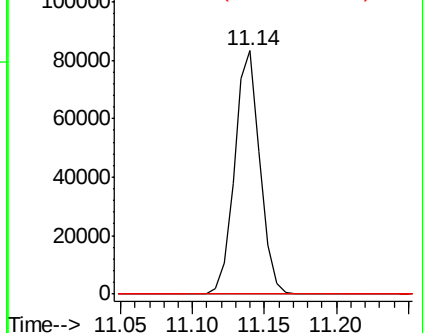
89 0.0 37.8 56.8#

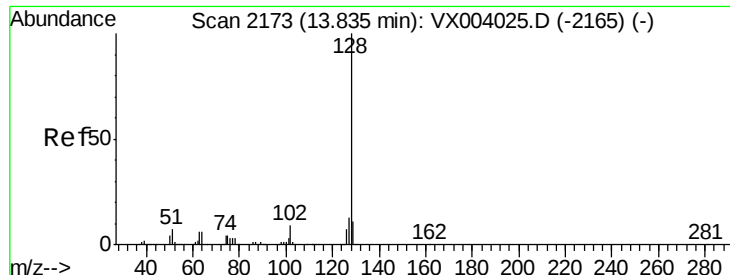


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.160 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004063.D

Acq: 15 Aug 2018 07:26

Instrument :

MSVOA_X

ClientSampleId :

MW-299-SRI3

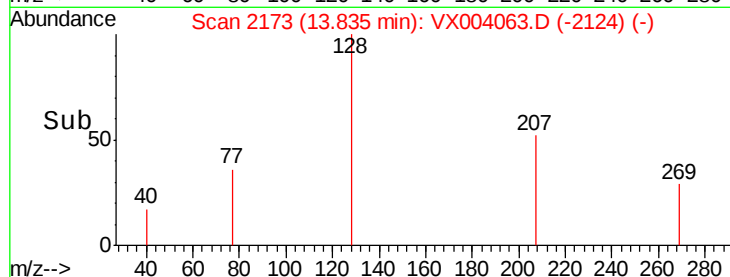
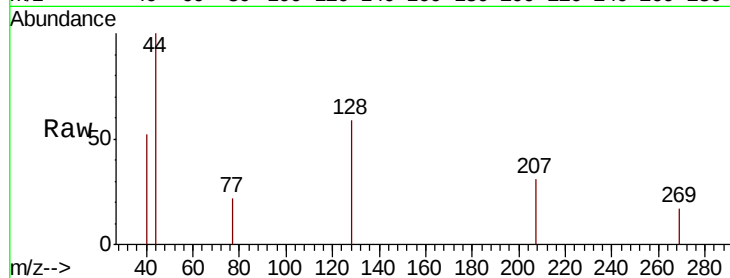
Tgt Ion:128 Resp: 238

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

