

Data File : VX001557.D
Acq On : 09 May 2018 16:12
Operator : JC/MD
Sample : J2732-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-RMW-4

Quant Time: May 10 04:14:15 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	159722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204977	57.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.76%	
35) Dibromofluoromethane	5.51	113	159376	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	8.72	98	563002	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.14	95	184467	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	

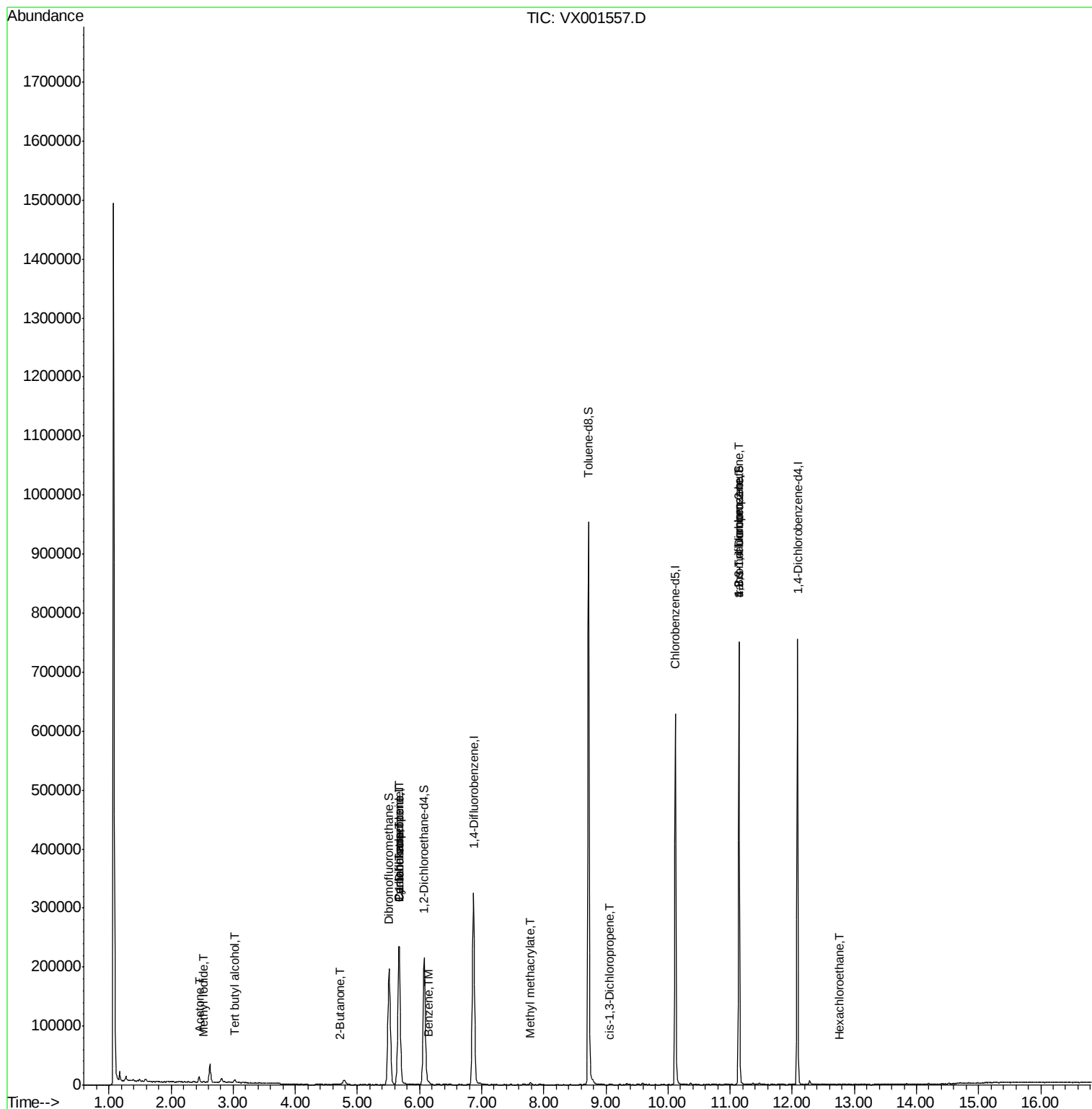
Target Compounds				Qvalue		
5) Bromomethane	1.62	94	119	Below Cal	#	3
10) Methyl Iodide	2.52	142	1593	0.37	ug/l	94
11) Tert butyl alcohol	3.02	59	2877	3.85	ug/l	# 78
13) Acrolein	2.29	56	217	Below Cal	#	16
16) Acetone	2.45	43	9741	6.06	ug/l	97
25) 2-Butanone	4.71	43	2008	0.86	ug/l	98
31) Cyclohexane	5.67	56	4507	0.99	ug/l	# 24
36) 1,1-Dichloropropene	5.67	75	15786	3.68	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21502	4.70	ug/l	# 15
40) Benzene	6.15	78	4271	0.34	ug/l	98
48) Methyl methacrylate	7.79	41	1977	0.50	ug/l	92
54) cis-1,3-Dichloropropene	9.06	75	55	2.27	ug/l	# 32
76) 1,2,3-Trichloropropane	11.14	75	93441	28.85	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	93441	88.37	ug/l	# 7
90) Hexachloroethane	12.76	117	375	0.25	ug/l	# 1

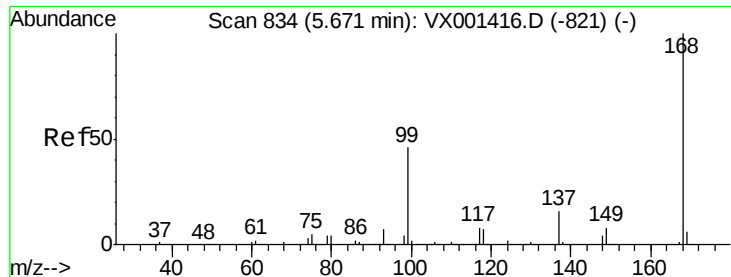
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

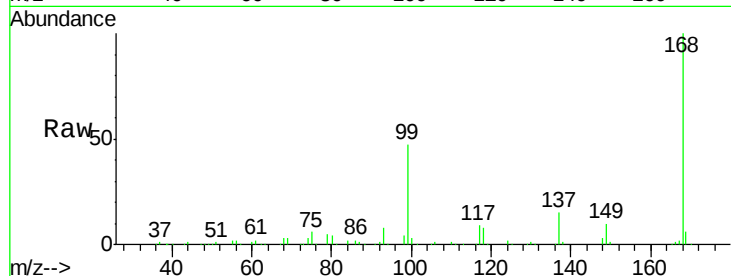
RAV-RMW-4

Tgt Ion:168 Resp: 246381

Ion Ratio Lower Upper

168 100

99 47.3 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

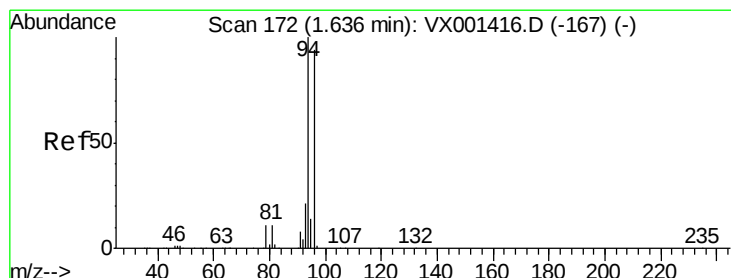
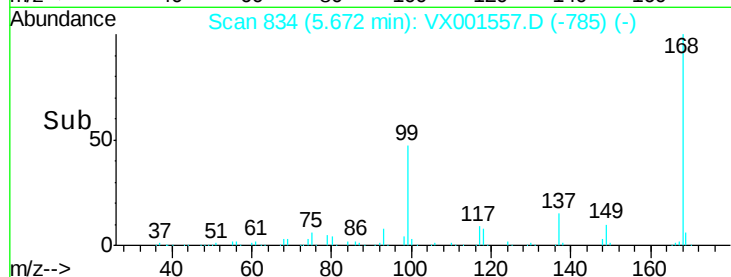
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001557.D

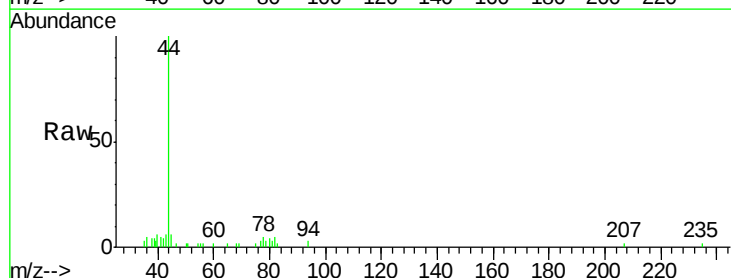
Acq: 09 May 2018 16:12

Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

250

200

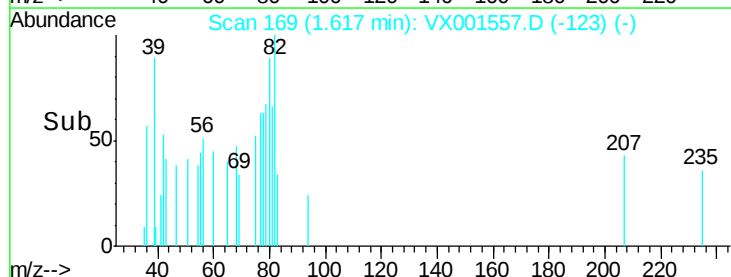
150

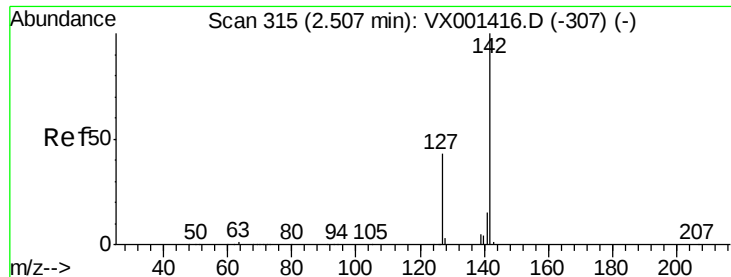
100

50

0

Time--> 1.60 1.62 1.64

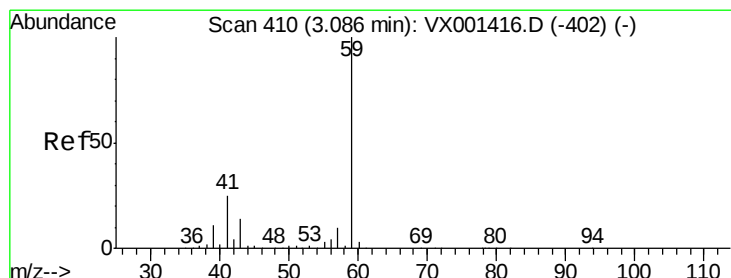
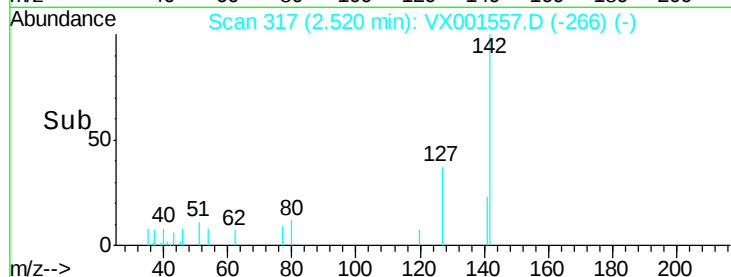
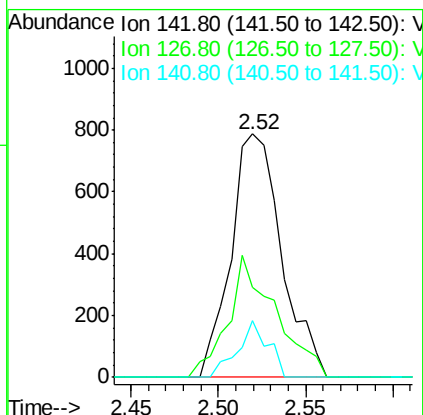
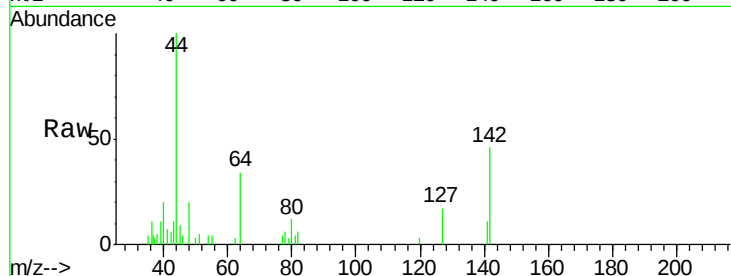




#10
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001557.D
Acq: 09 May 2018 16:12

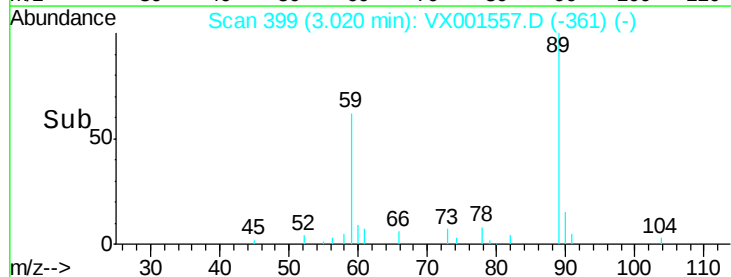
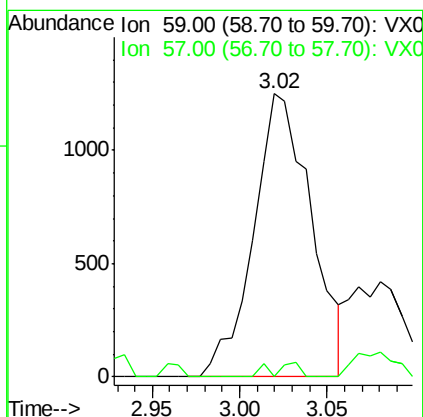
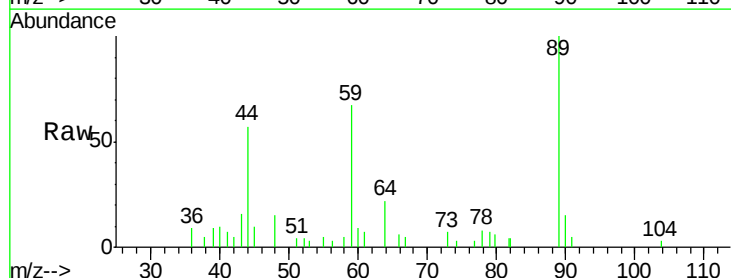
Instrument :
MSVOA_X
ClientSampled :
RAV-RMW-4

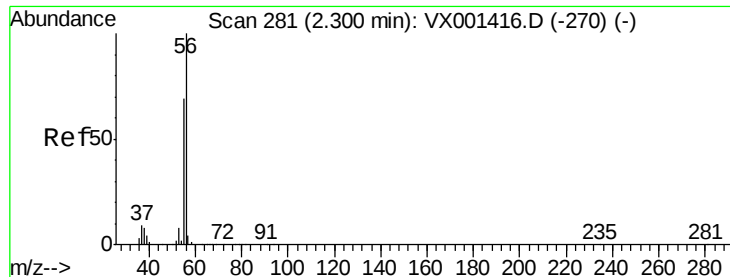
Tgt Ion: 142 Resp: 1593
Ion Ratio Lower Upper
142 100
127 47.0 33.6 50.4
141 13.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 3.85 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.07 min
Lab File: VX001557.D
Acq: 09 May 2018 16:12

Tgt Ion: 59 Resp: 2877
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

Instrument :

MSVOA_X

ClientSampled :

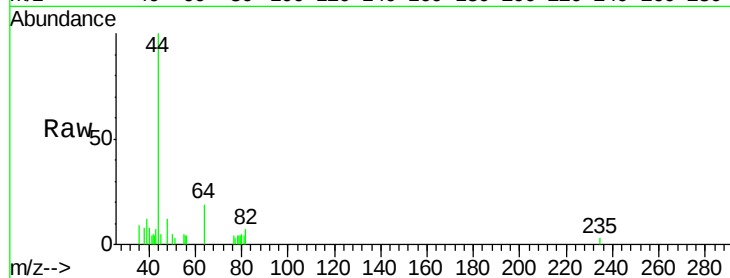
RAV-RMW-4

Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

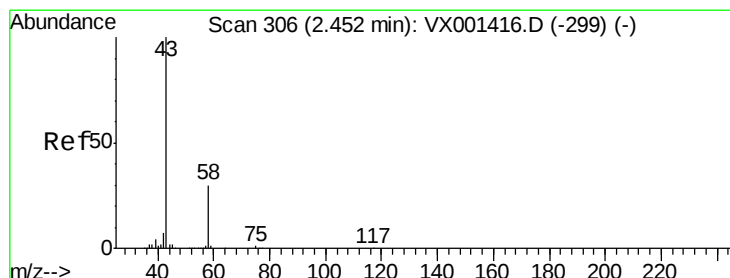
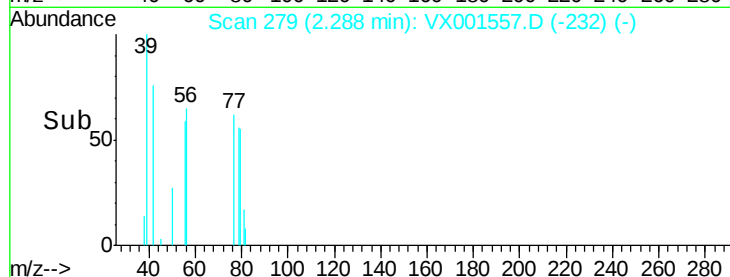
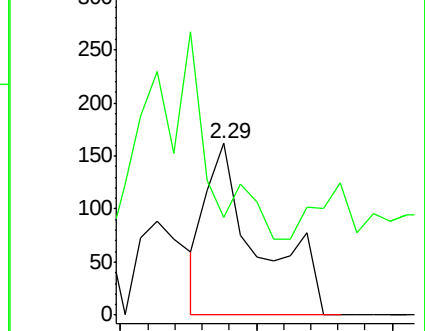
56 100

55 0.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.06 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001557.D

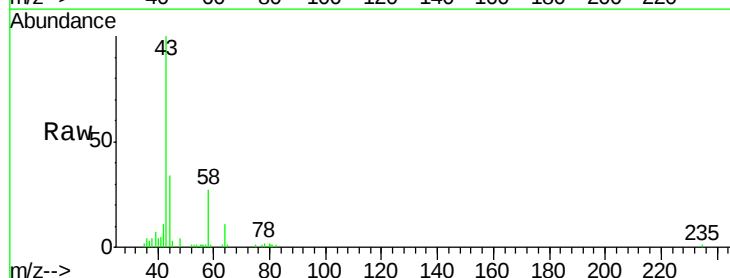
Acq: 09 May 2018 16:12

Tgt Ion: 43 Resp: 9741

Ion Ratio Lower Upper

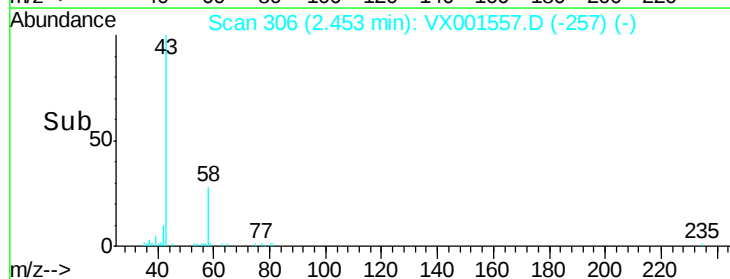
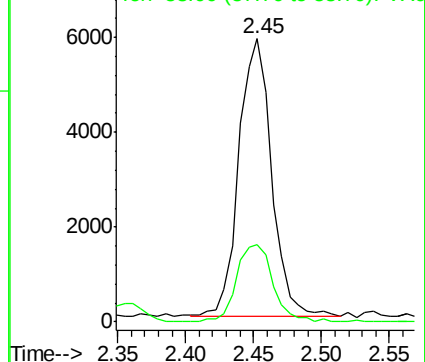
43 100

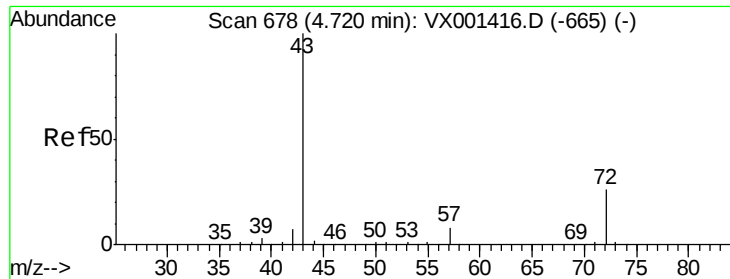
58 28.0 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.86 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

Instrument :

MSVOA_X

ClientSampled :

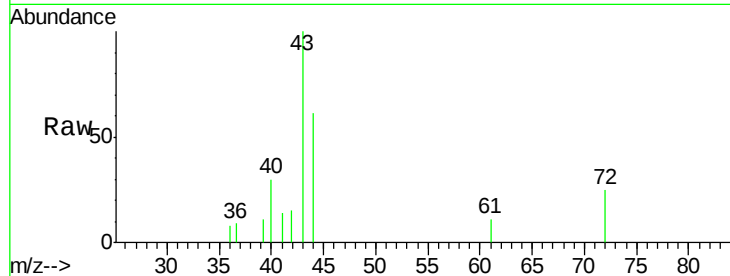
RAV-RMW-4

Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

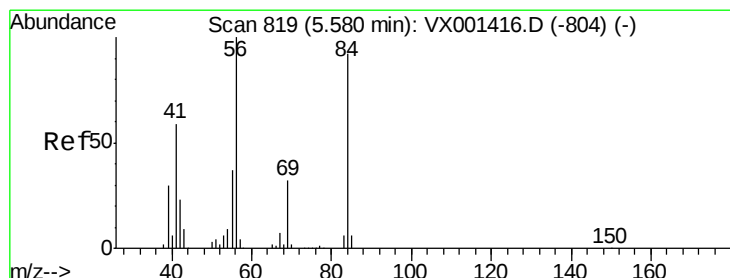
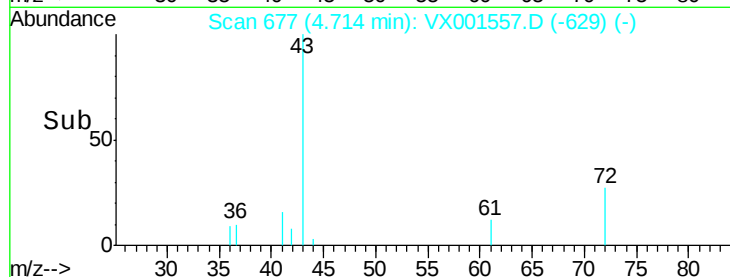
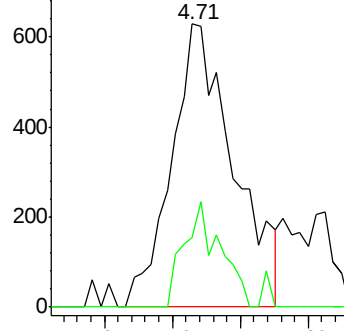
43 100

72 24.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

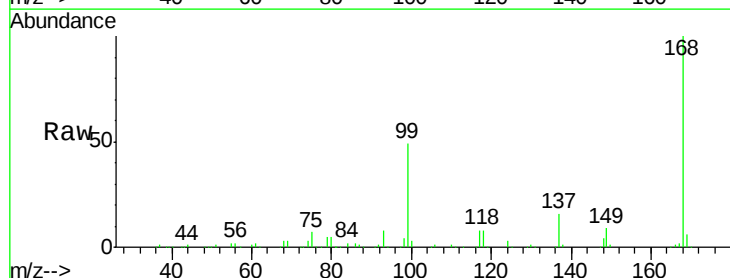
Tgt Ion: 56 Resp: 4507

Ion Ratio Lower Upper

56 100

69 155.8 25.4 38.0#

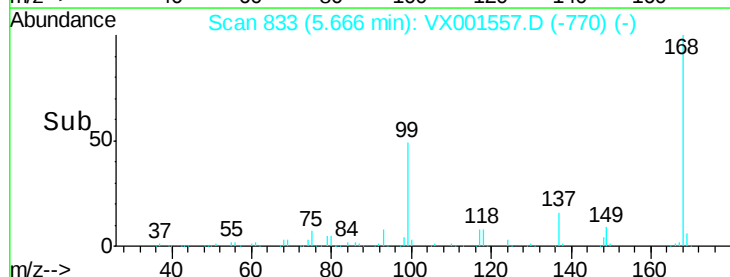
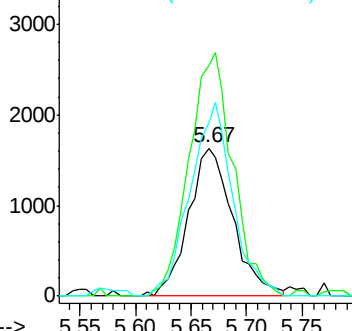
84 116.9 73.8 110.8#

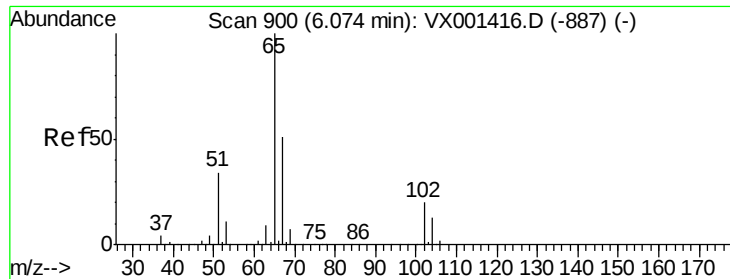


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

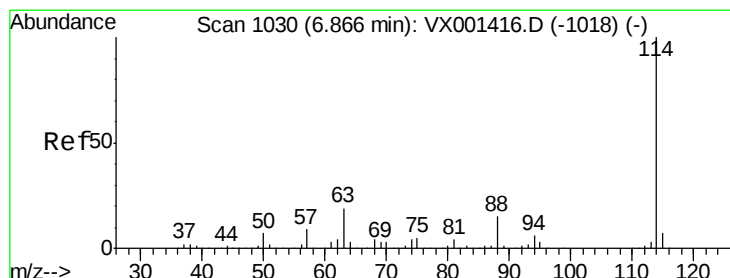
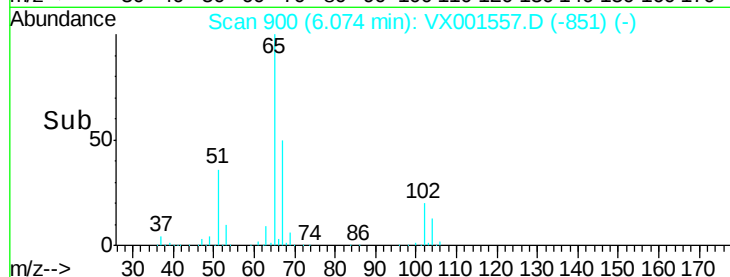
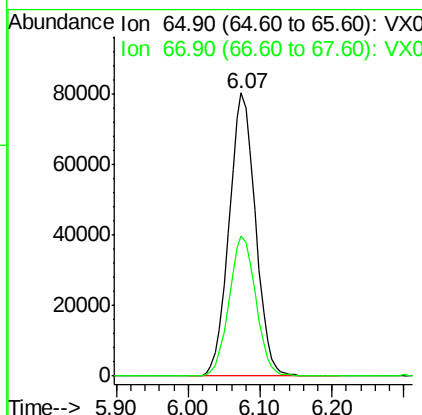
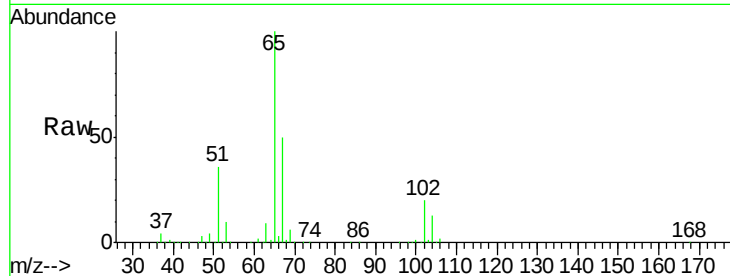




#33
 1,2-Dichloroethane-d4
 Concen: 57.88 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001557.D
 Acq: 09 May 2018 16:12

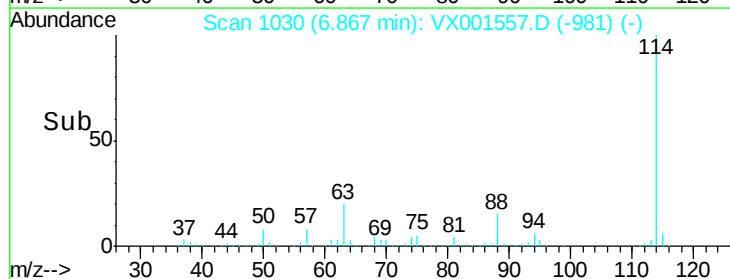
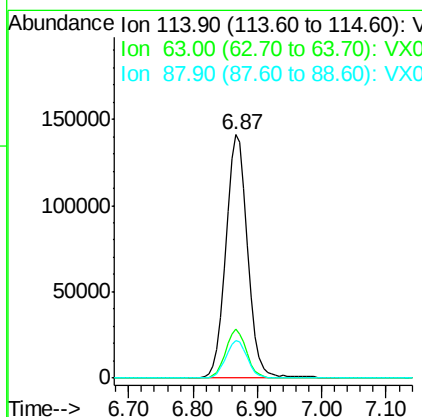
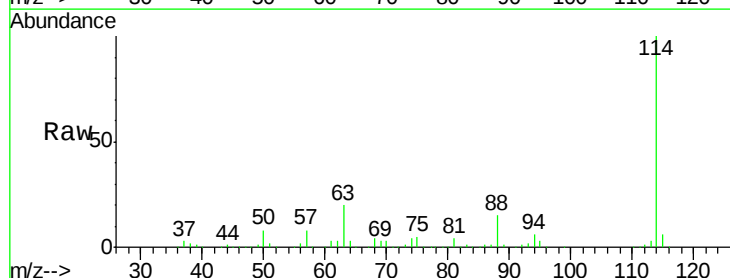
Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-RMW-4

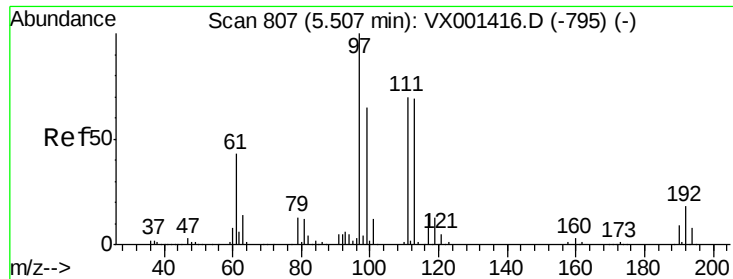
Tgt Ion: 65 Resp: 204977
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001557.D
 Acq: 09 May 2018 16:12

Tgt Ion: 114 Resp: 337043
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.16 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

RAV-RMW-4

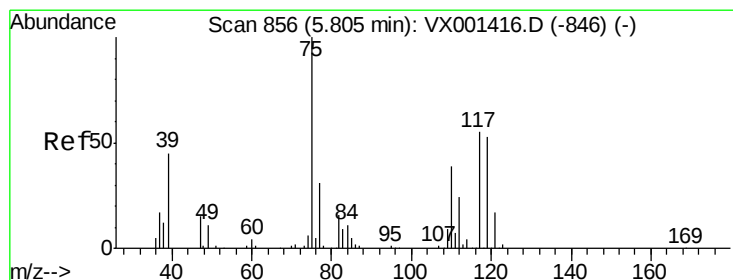
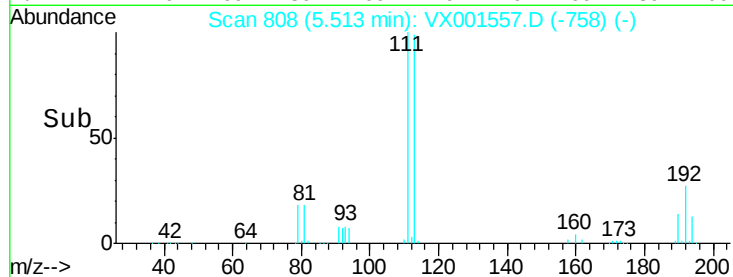
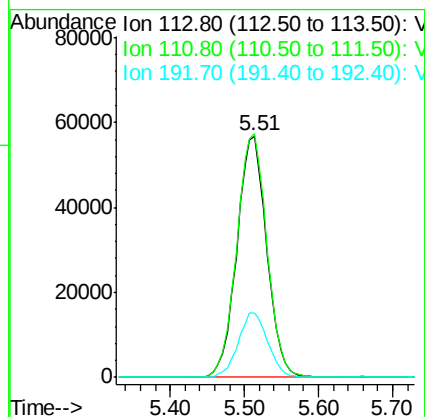
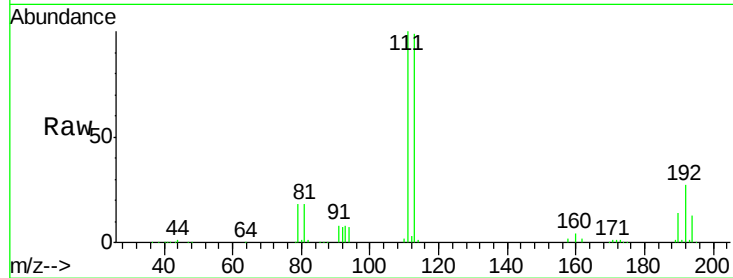
Tgt Ion:113 Resp: 159376

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 26.6 21.4 32.0



#36

1,1-Dichloropropene

Concen: 3.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

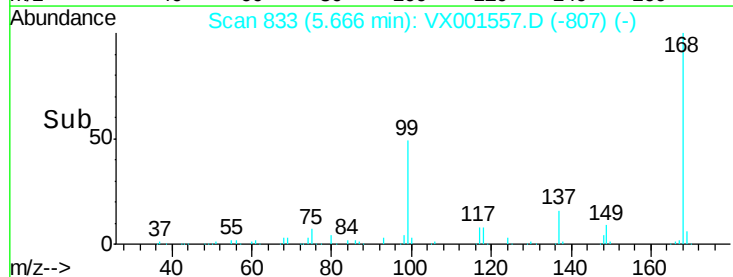
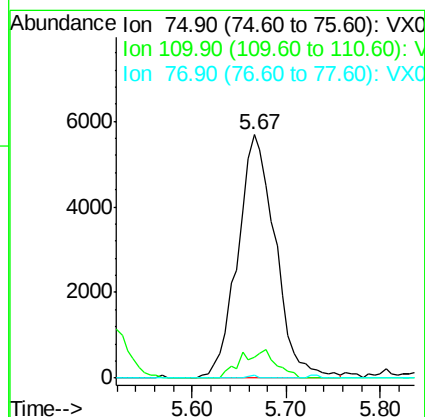
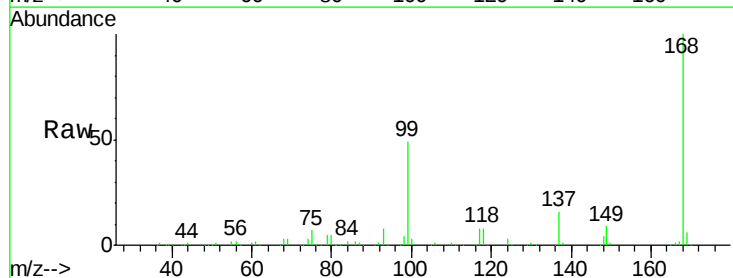
Tgt Ion: 75 Resp: 15786

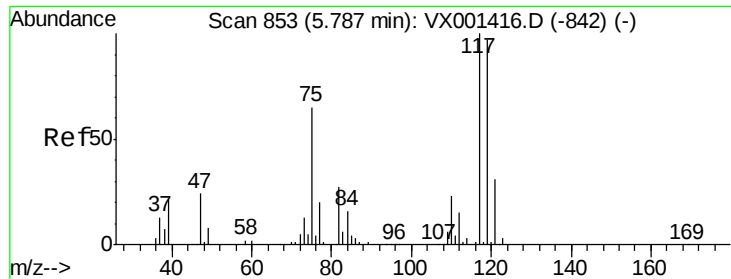
Ion Ratio Lower Upper

75 100

110 10.8 18.9 56.7#

77 0.3 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.70 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

Instrument :

MSVOA_X

ClientSampled :

RAV-RMW-4

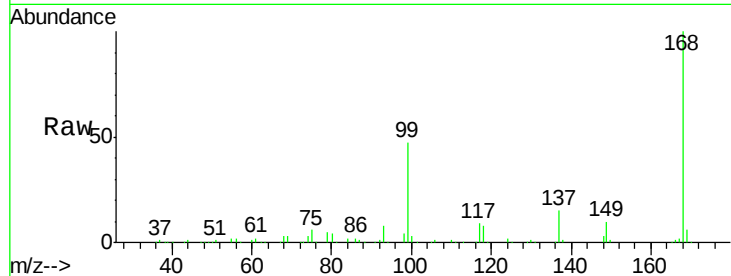
Tgt Ion:117 Resp: 21502

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

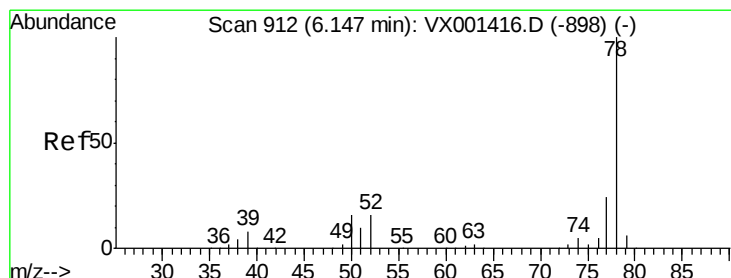
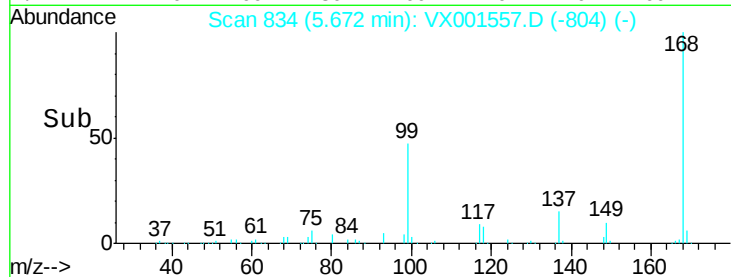
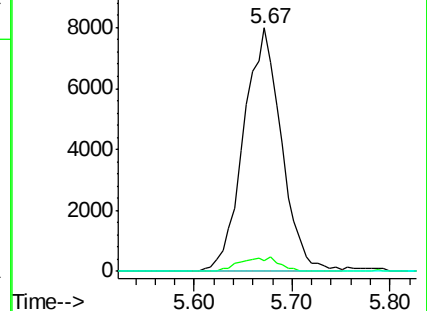
121 0.0 25.1 37.7#



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



#40

Benzene

Concen: 0.34 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX001557.D

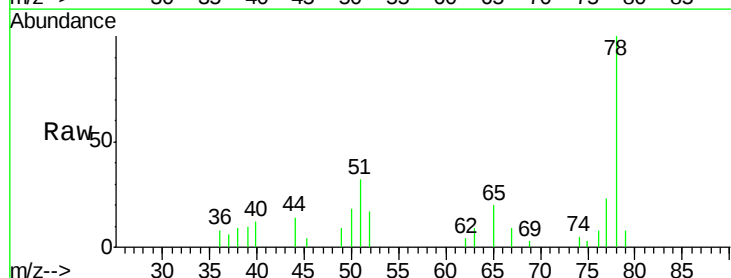
Acq: 09 May 2018 16:12

Tgt Ion: 78 Resp: 4271

Ion Ratio Lower Upper

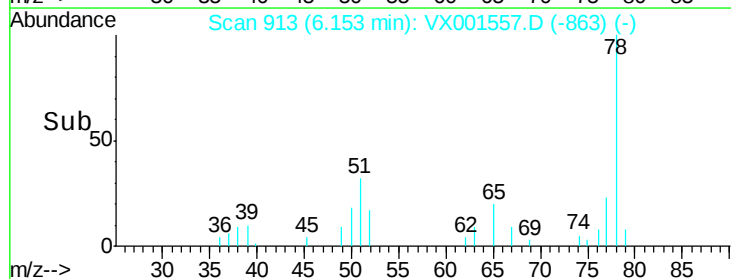
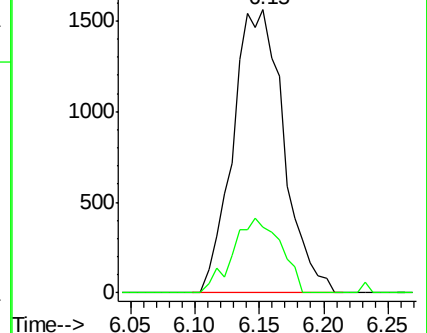
78 100

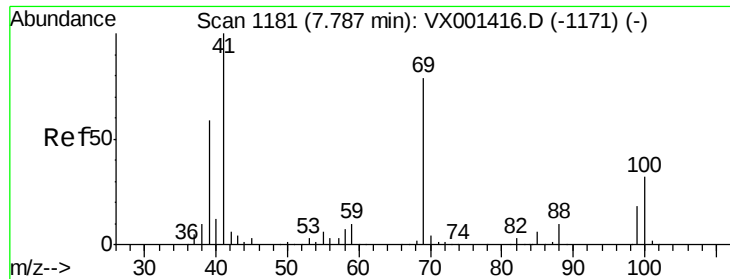
77 23.1 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

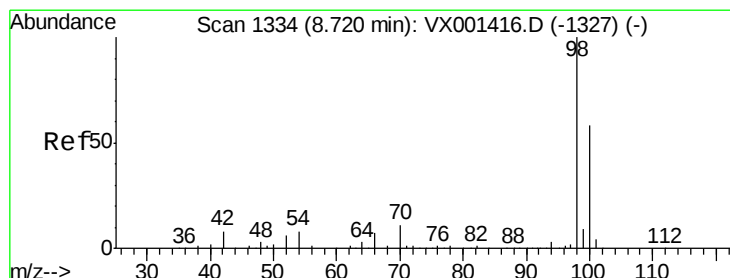
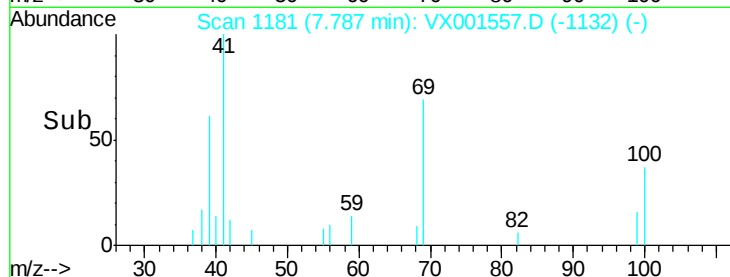
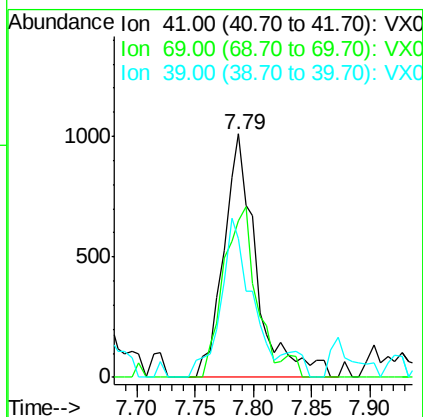
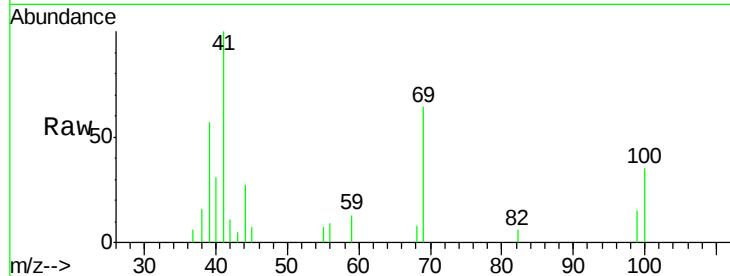




#48
Methyl methacrylate
Concen: 0.50 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX001557.D
Acq: 09 May 2018 16:12

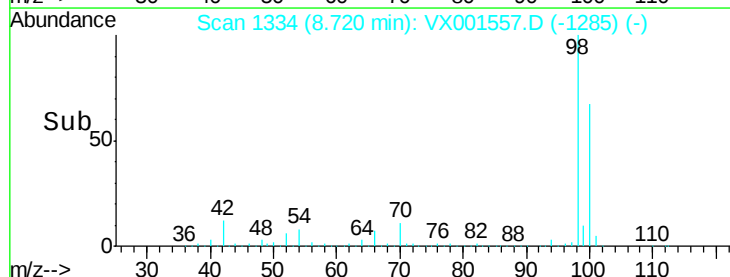
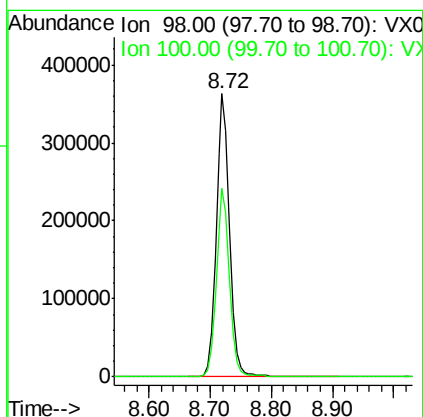
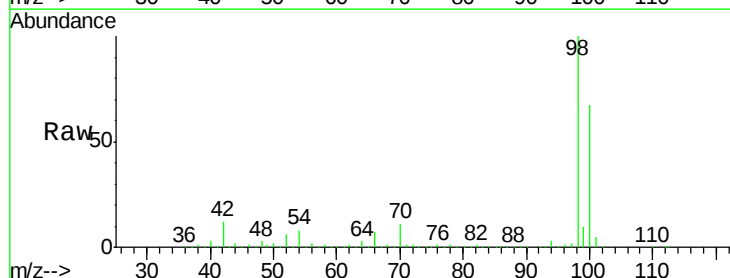
Instrument :
MSVOA_X
ClientSampled :
RAV-RMW-4

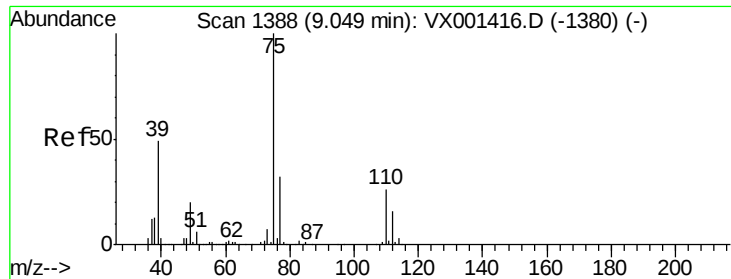
Tgt Ion: 41 Resp: 1977
Ion Ratio Lower Upper
41 100
69 69.7 63.4 95.2
39 61.3 47.0 70.4



#50
Toluene-d8
Concen: 51.45 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001557.D
Acq: 09 May 2018 16:12

Tgt Ion: 98 Resp: 563002
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0

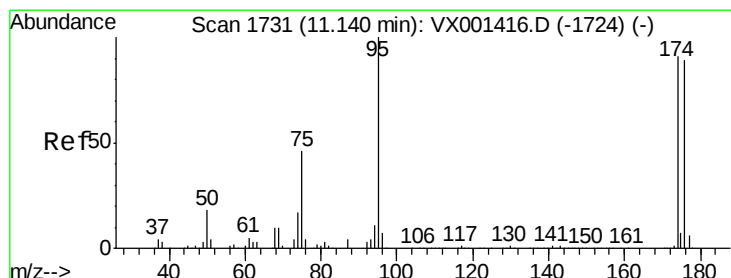
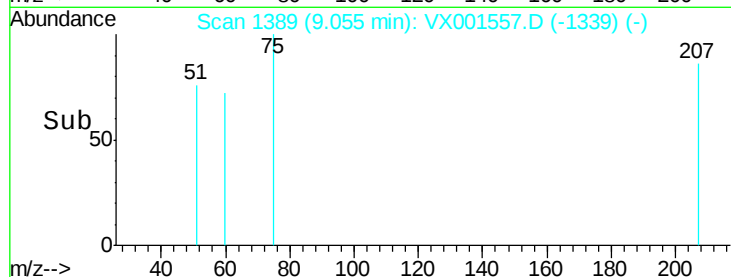
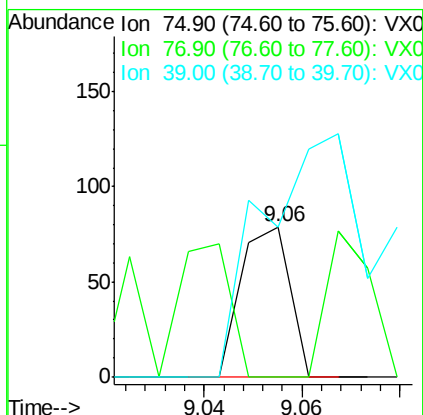
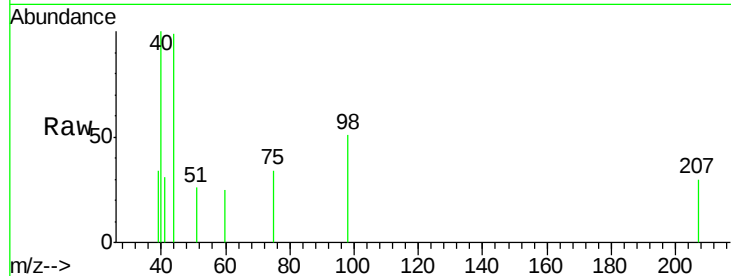




#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX001557.D
 Acq: 09 May 2018 16:12

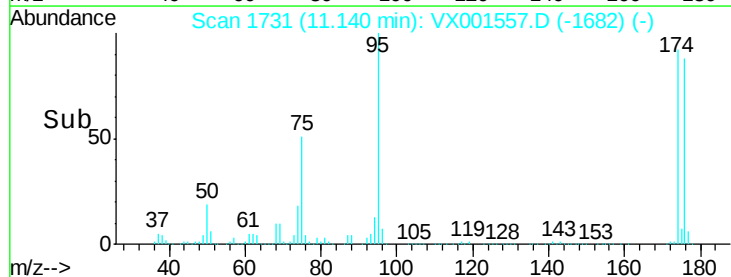
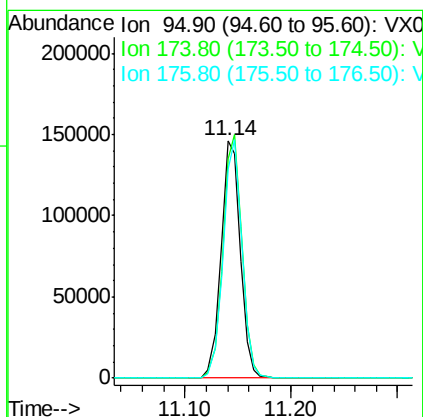
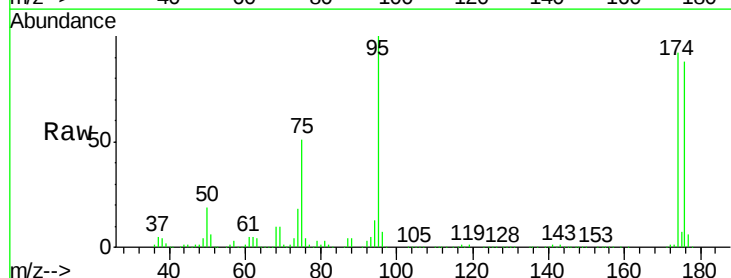
Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-RMW-4

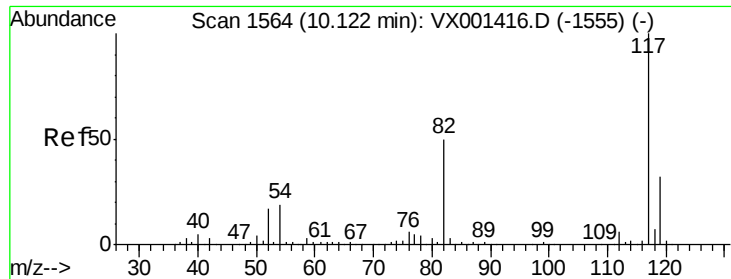
Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 100.0 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 43.91 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001557.D
 Acq: 09 May 2018 16:12

Tgt Ion: 95 Resp: 184467
 Ion Ratio Lower Upper
 95 100
 174 101.5 0.0 202.0
 176 98.5 0.0 197.4

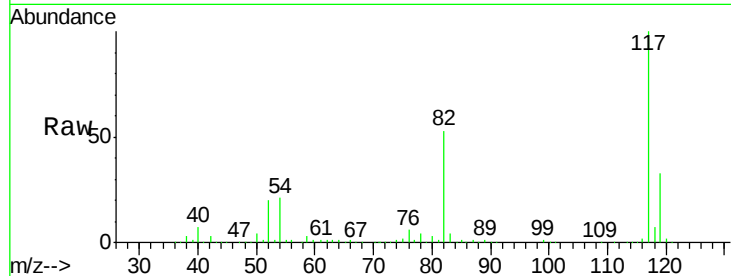




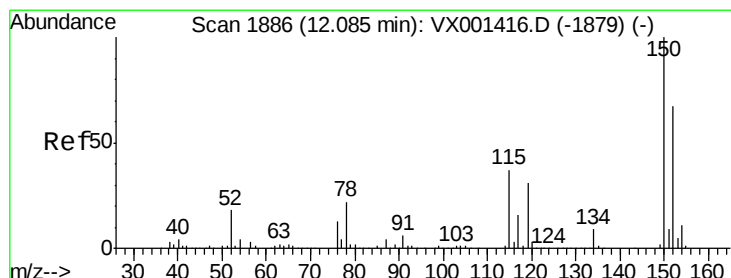
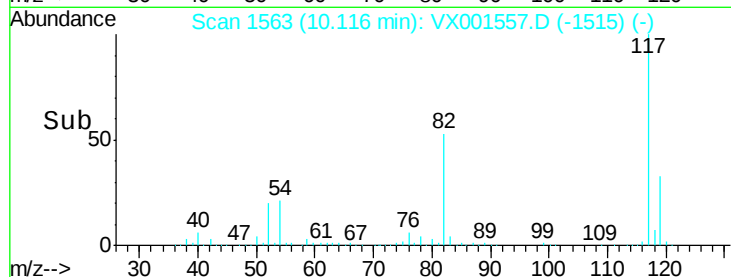
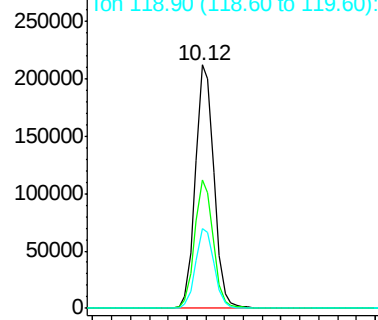
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001557.D
Acq: 09 May 2018 16:12

Instrument :
MSVOA_X
ClientSampled :
RAV-RMW-4

Tgt Ion:117 Resp: 290312
Ion Ratio Lower Upper
117 100
82 52.7 40.0 60.0
119 32.6 25.8 38.8

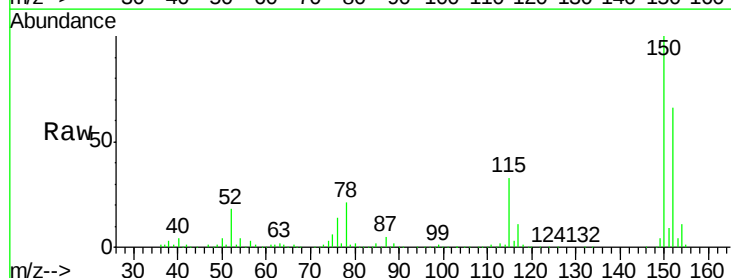


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

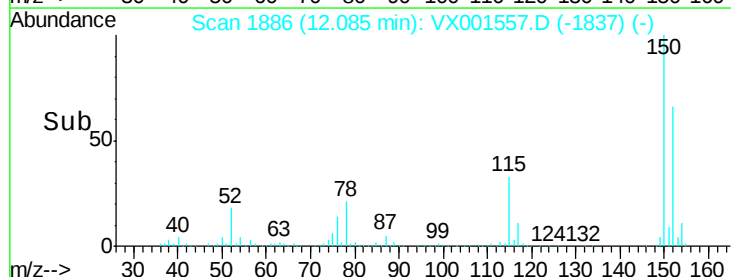
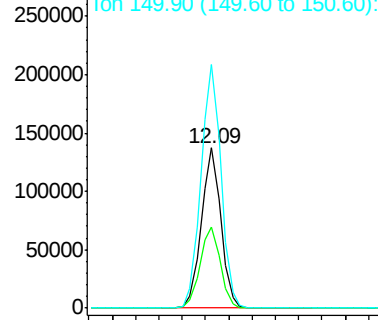


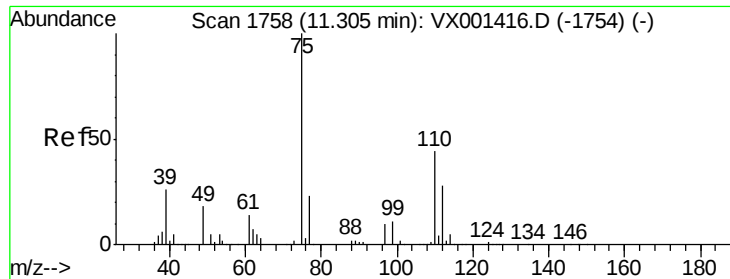
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001557.D
Acq: 09 May 2018 16:12

Tgt Ion:152 Resp: 159722
Ion Ratio Lower Upper
152 100
115 52.6 37.7 113.1
150 155.6 0.0 349.4



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

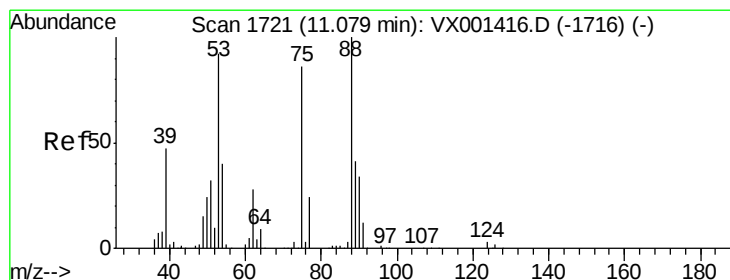
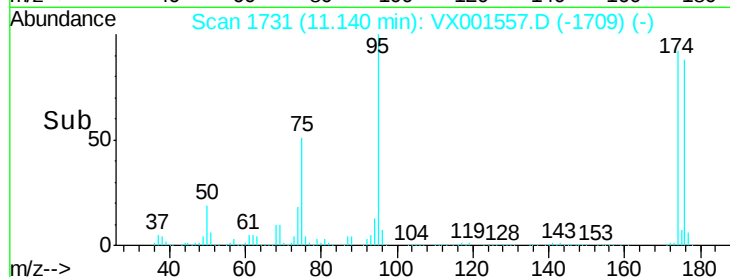
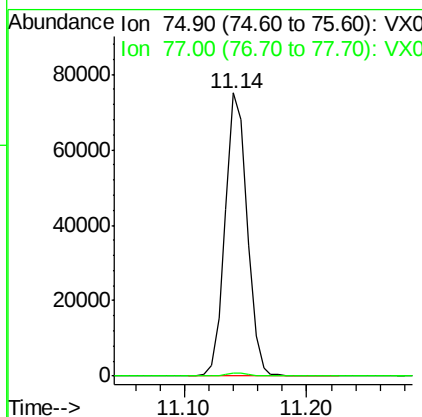
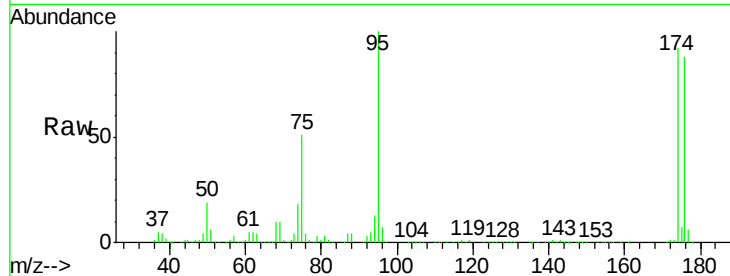




#76
 1,2,3-Trichloropropane
 Concen: 28.85 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001557.D
 Acq: 09 May 2018 16:12

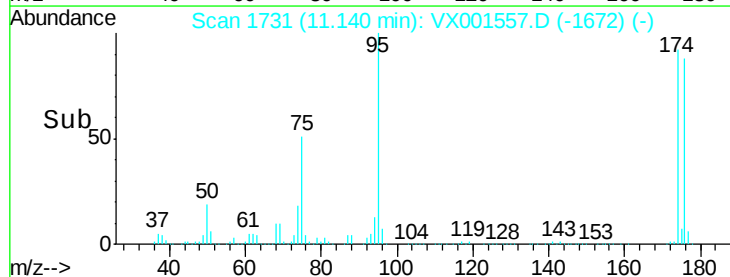
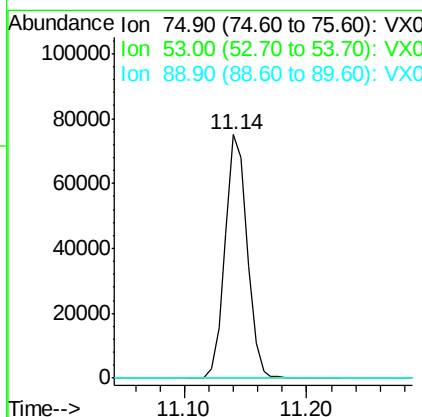
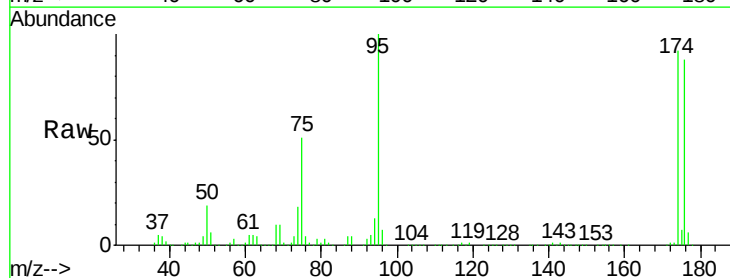
Instrument :
 MSVOA_X
 ClientSampled :
 RAV-RMW-4

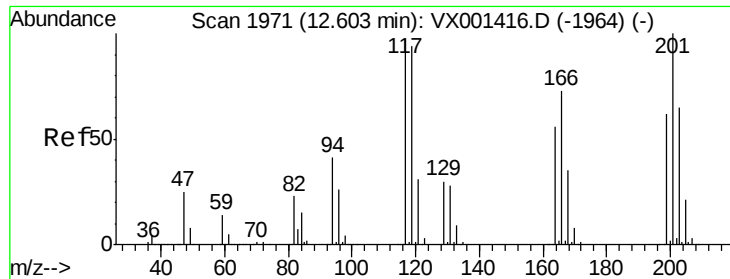
Tgt Ion: 75 Resp: 93441
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.37 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001557.D
 Acq: 09 May 2018 16:12

Tgt Ion: 75 Resp: 93441
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.1 39.5 59.3#





#90

Hexachloroethane

Concen: 0.25 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX001557.D

Acq: 09 May 2018 16:12

Instrument :

MSVOA_X

ClientSampleId :

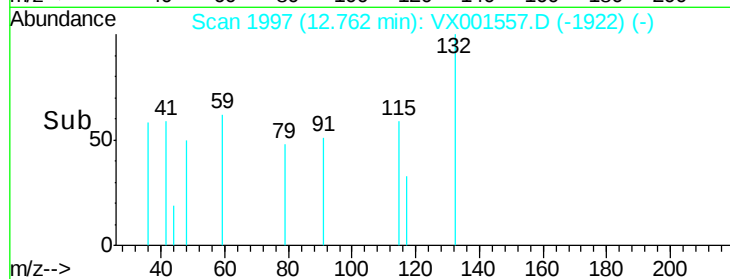
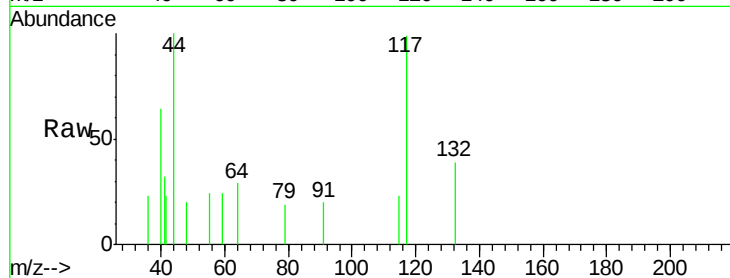
RAV-RMW-4

Tgt Ion:117 Resp: 375

Ion Ratio Lower Upper

117 100

201 0.0 51.5 154.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

