

Data File : VX001565.D
Acq On : 09 May 2018 19:47
Operator : JC/MD
Sample : J2732-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-MW-11

Quant Time: May 10 04:17:56 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	230609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	313240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147198	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	189794	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
35) Dibromofluoromethane	5.51	113	146819	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	8.72	98	517910	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	168593	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	

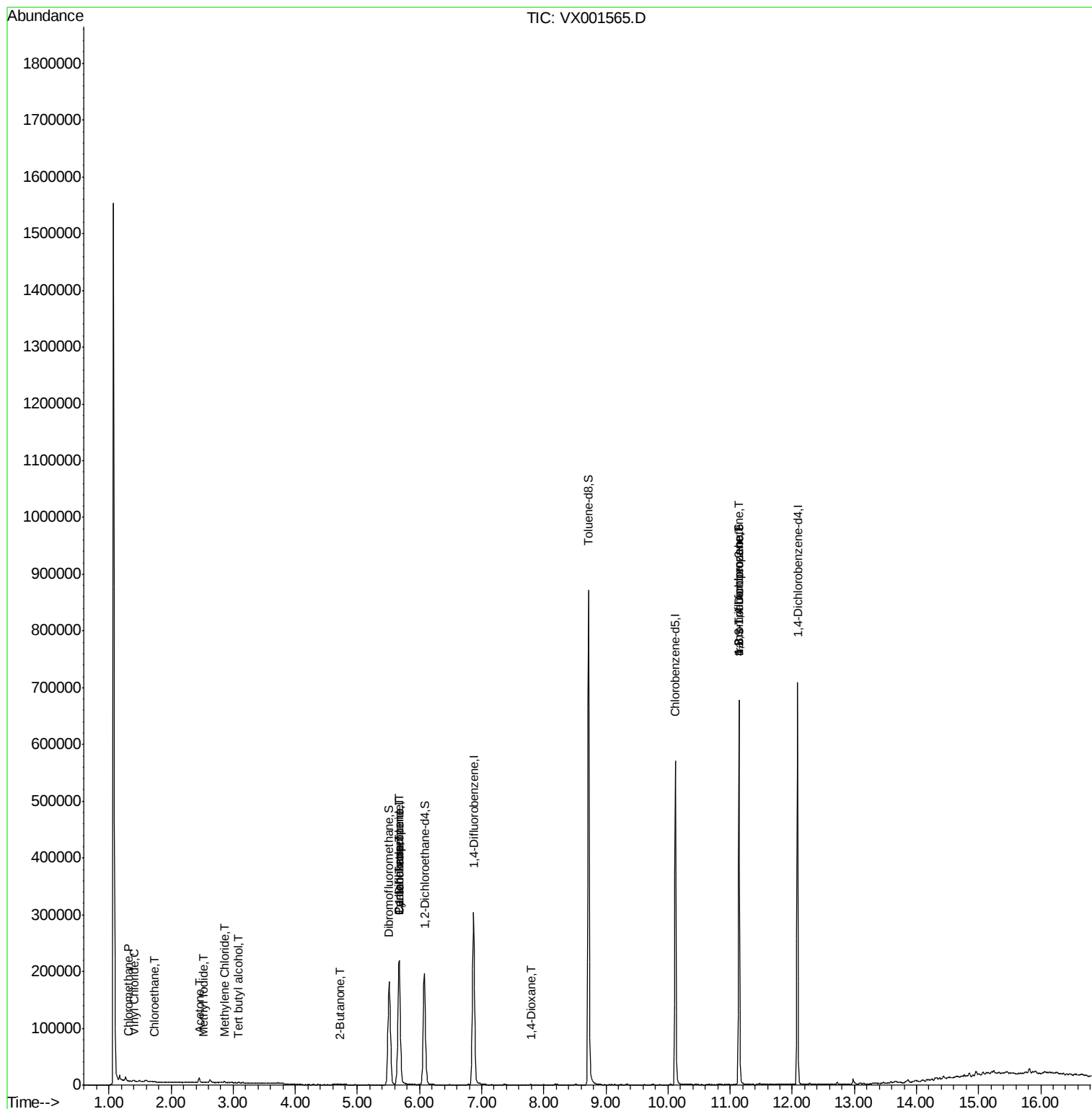
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	657	0.22	ug/l #	81
4) Vinyl Chloride	1.40	62	851	0.27	ug/l #	84
5) Bromomethane	1.65	94	981	Below	Cal	84
6) Chloroethane	1.73	64	594	0.28	ug/l #	84
10) Methyl Iodide	2.52	142	830	0.21	ug/l #	87
11) Tert butyl alcohol	3.09	59	1595	2.28	ug/l #	93
13) Acrolein	2.31	56	64	Below	Cal #	16
16) Acetone	2.45	43	8809	5.85	ug/l	100
20) Methylene Chloride	2.86	84	955	0.32	ug/l #	83
25) 2-Butanone	4.72	43	1443	0.66	ug/l #	81
31) Cyclohexane	5.67	56	4060	0.95	ug/l #	26
36) 1,1-Dichloropropene	5.67	75	14578	3.66	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19329	4.55	ug/l #	16
49) 1,4-Dioxane	7.79	88	158	2.00	ug/l #	21
76) 1,2,3-Trichloropropane	11.14	75	85054	28.49	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	85054	87.34	ug/l #	7

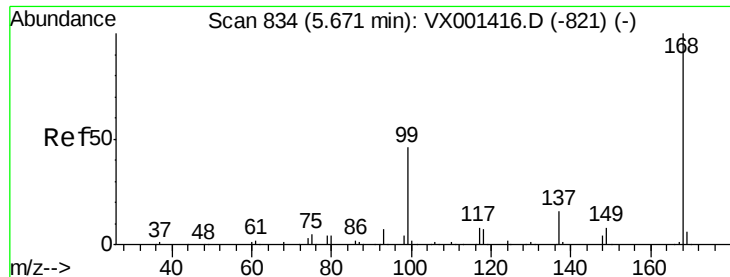
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001565.D

Acq: 09 May 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

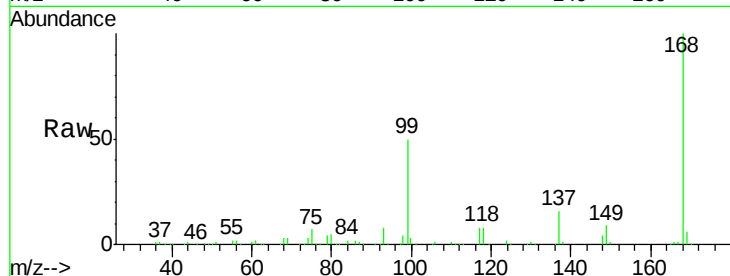
RAV-MW-11

Tgt Ion:168 Resp: 230609

Ion Ratio Lower Upper

168 100

99 49.8 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

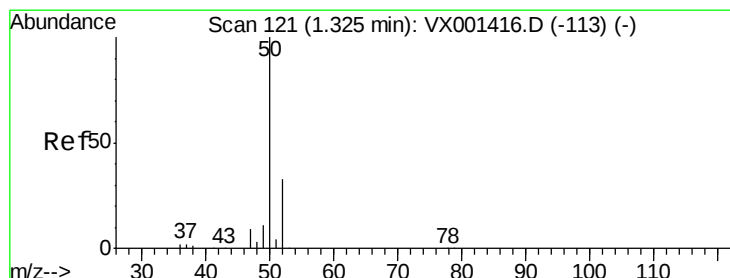
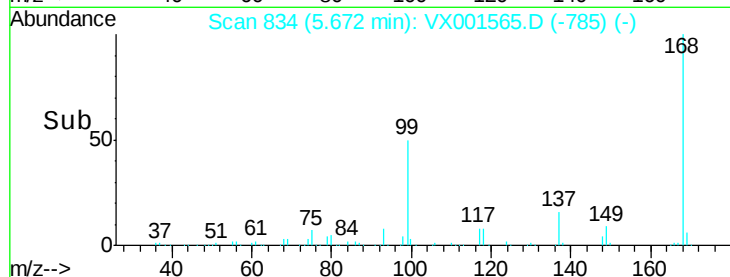
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001565.D

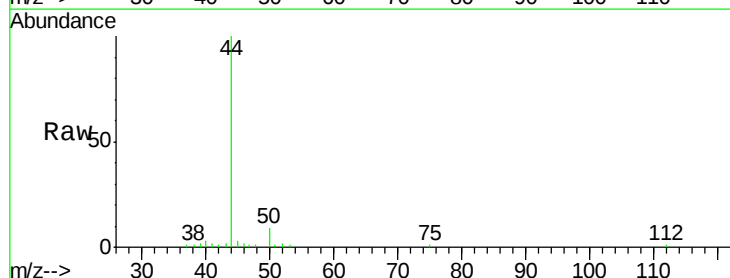
Acq: 09 May 2018 19:47

Tgt Ion: 50 Resp: 657

Ion Ratio Lower Upper

50 100

52 21.9 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

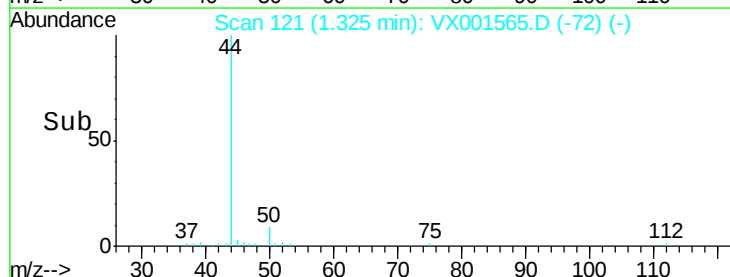
200

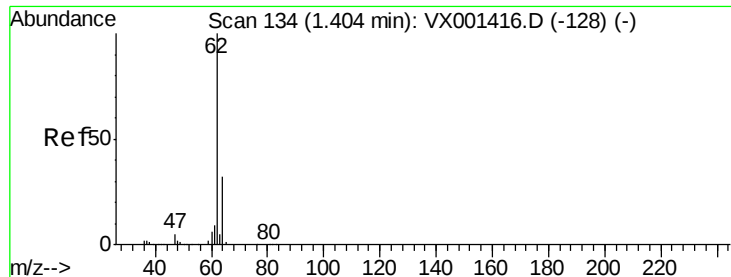
100

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

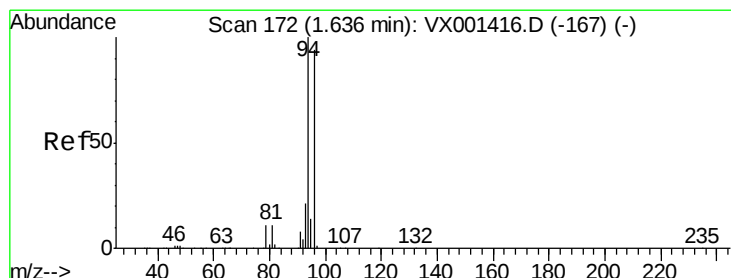
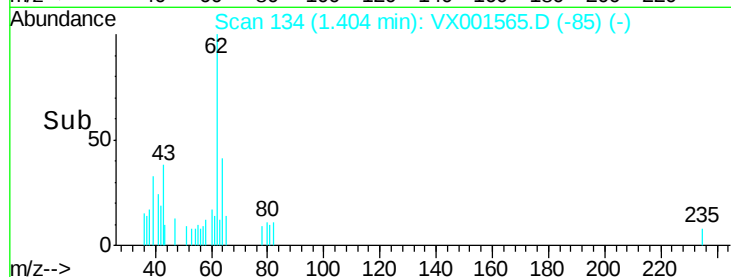
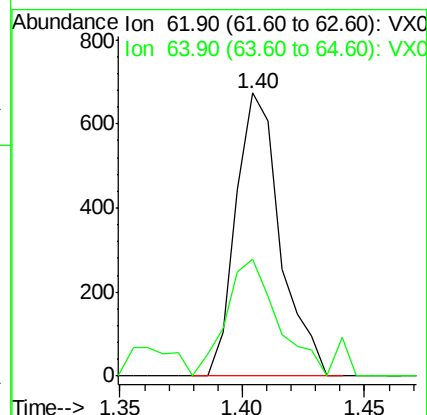
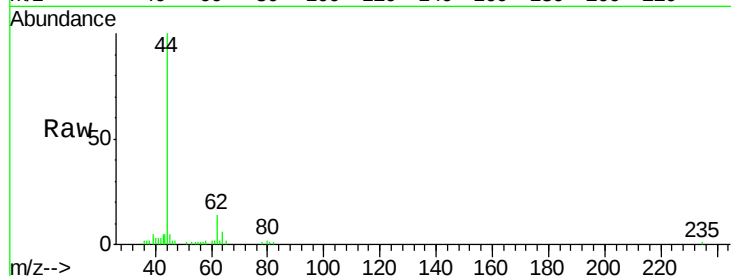
RAV-MW-11

Tgt Ion: 62 Resp: 851

Ion Ratio Lower Upper

62 100

64 41.2 25.8 38.6#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001565.D

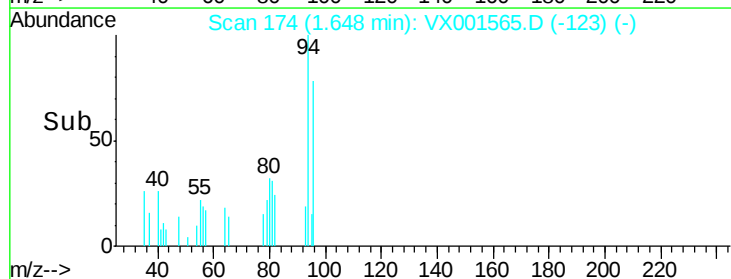
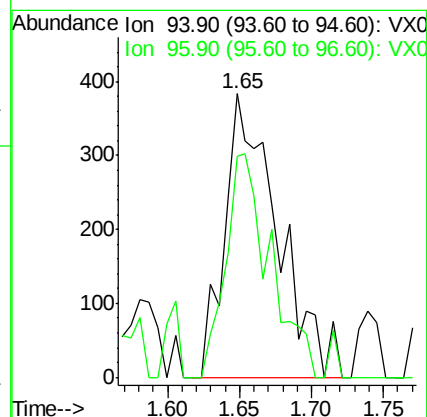
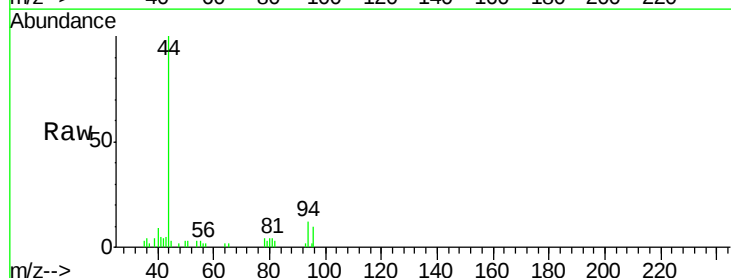
Acq: 09 May 2018 19:47

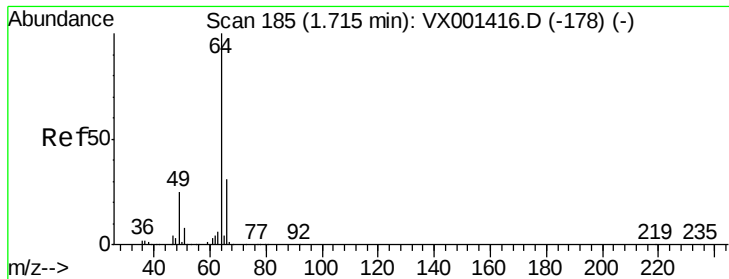
Tgt Ion: 94 Resp: 981

Ion Ratio Lower Upper

94 100

96 78.1 75.0 112.6





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

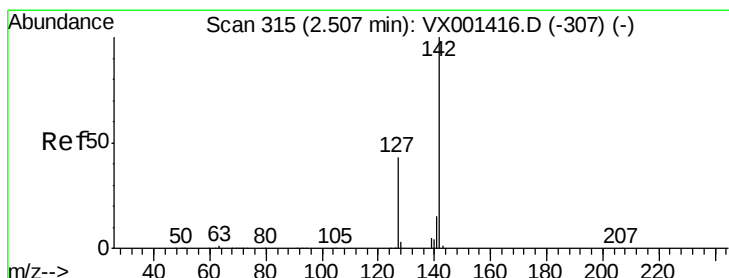
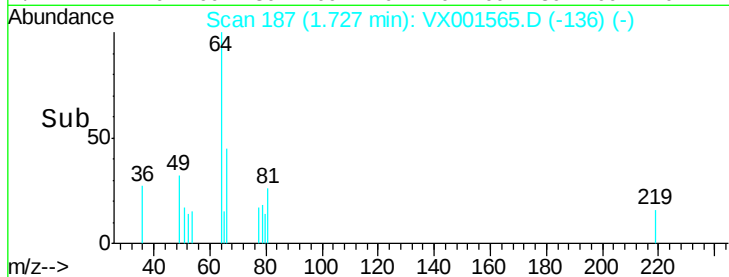
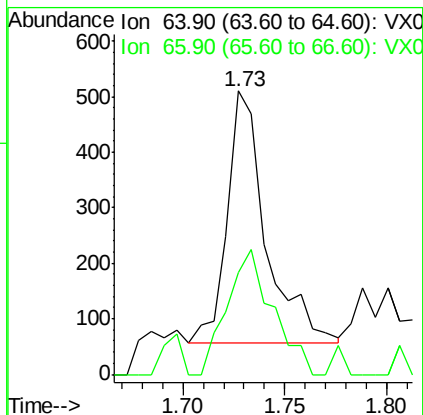
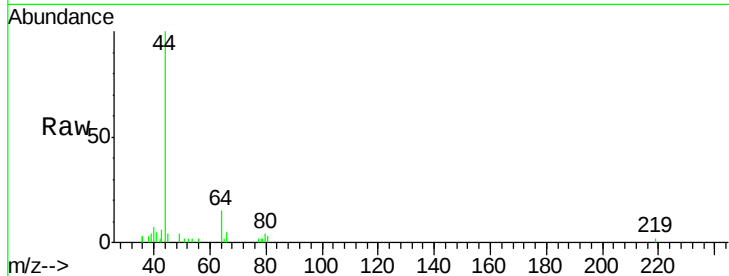
RAV-MW-11

Tgt Ion: 64 Resp: 594

Ion Ratio Lower Upper

64 100

66 40.4 25.1 37.7#



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

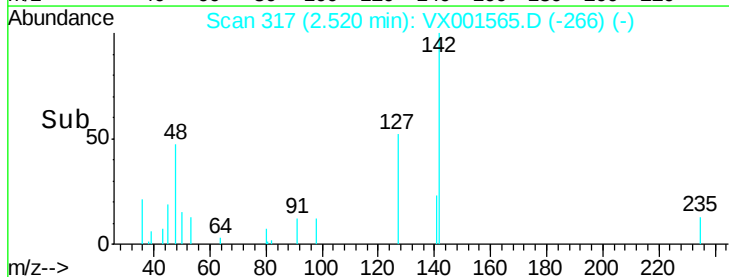
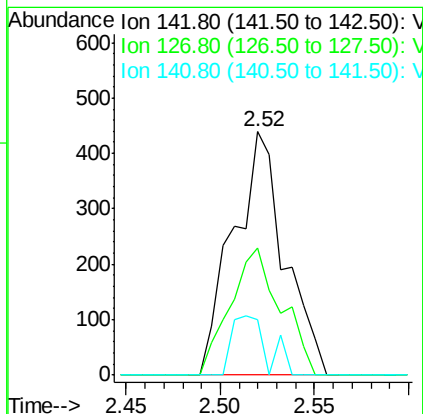
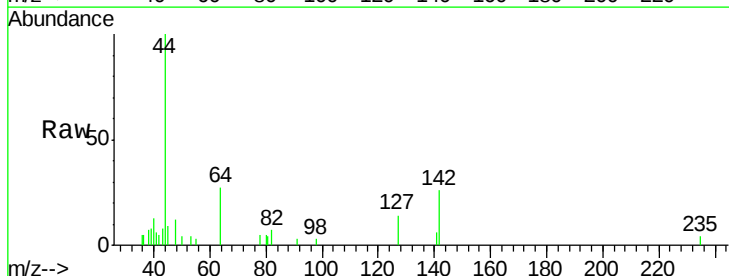
Tgt Ion: 142 Resp: 830

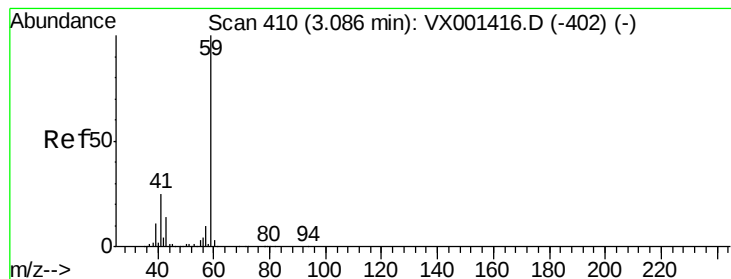
Ion Ratio Lower Upper

142 100

127 51.6 33.6 50.4#

141 16.9 11.4 17.2



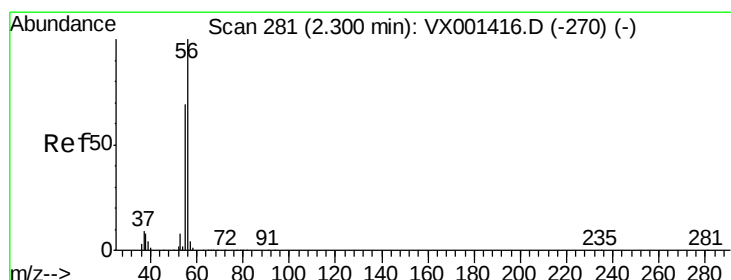
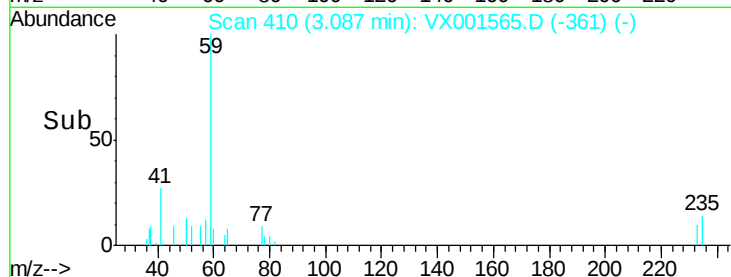
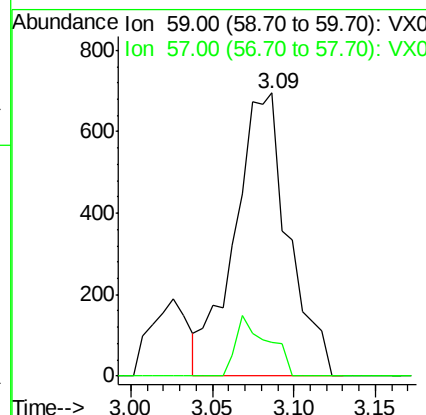
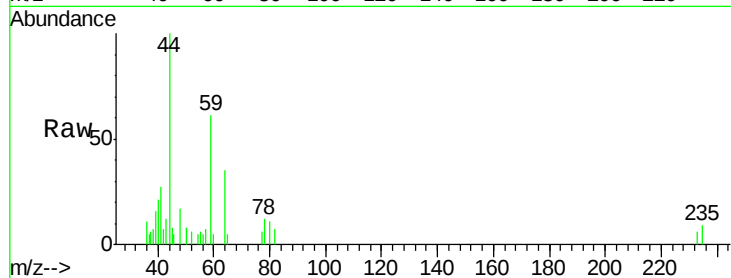


#11

Tert butyl alcohol
Concen: 2.28 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Instrument :
MSVOA_X
ClientSampled :
RAV-MW-11

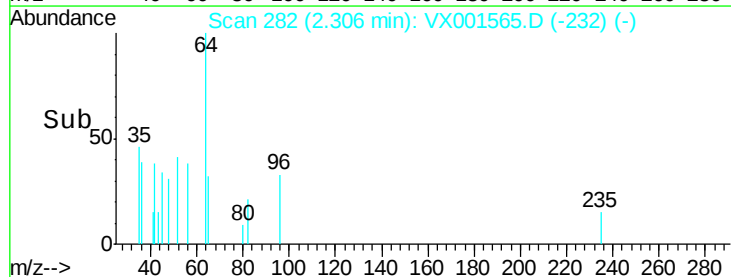
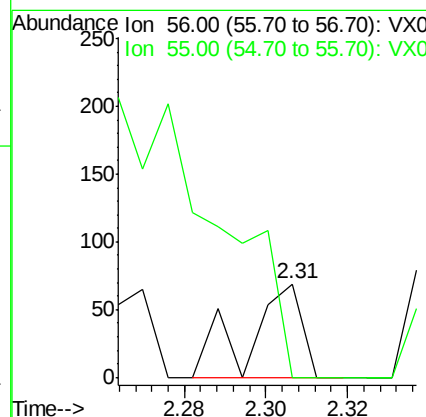
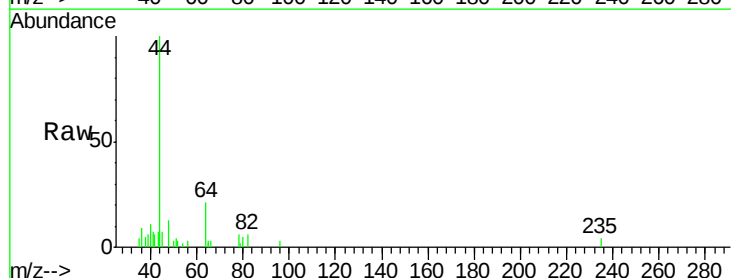
Tgt Ion: 59 Resp: 1595
Ion Ratio Lower Upper
59 100
57 12.9 8.2 12.4#

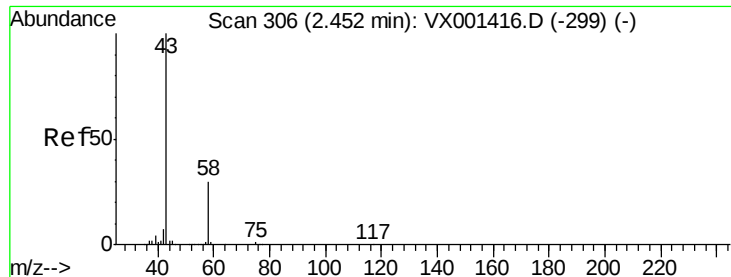


#13

Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

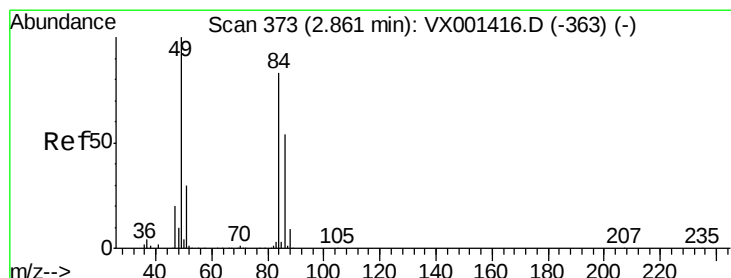
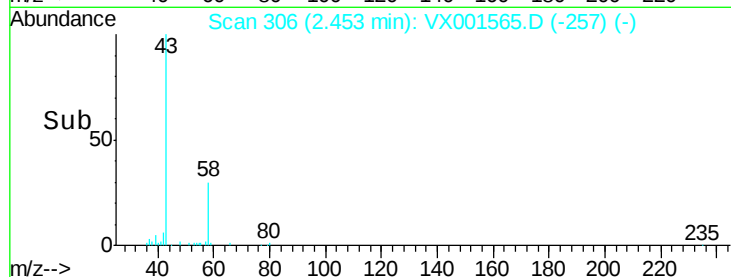
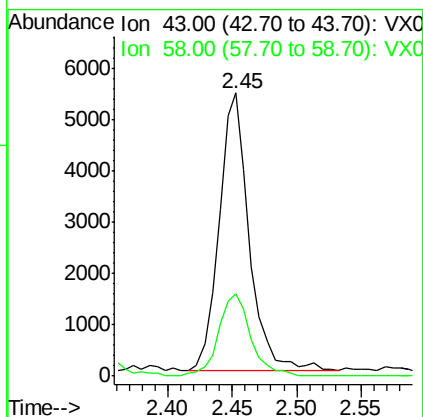
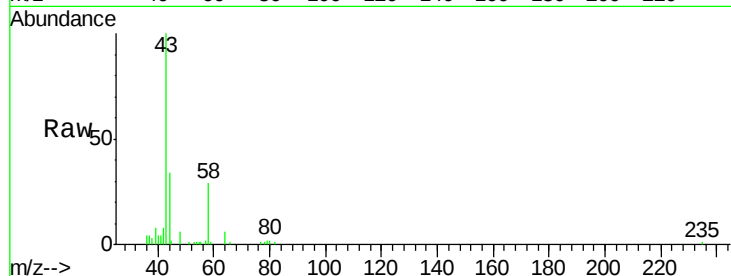




#16
Acetone
Concen: 5.85 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

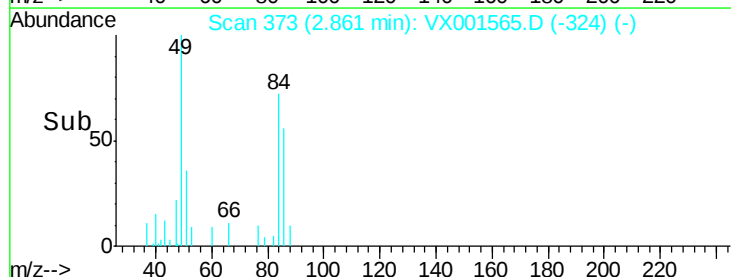
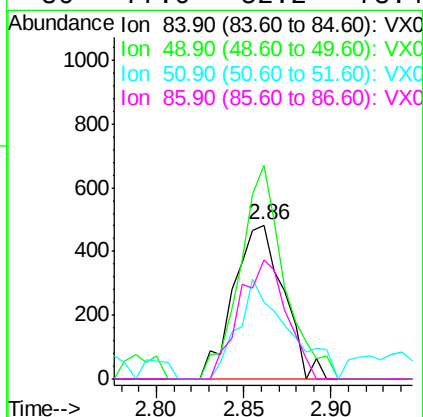
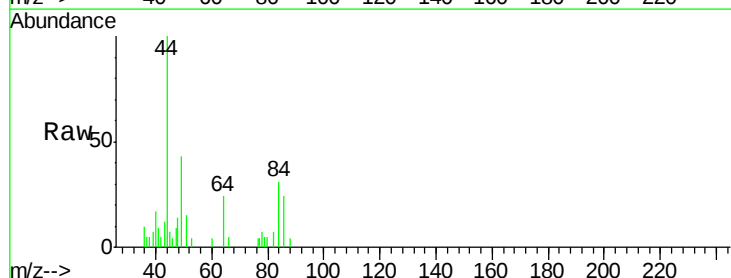
Instrument :
MSVOA_X
ClientSampleId :
RAV-MW-11

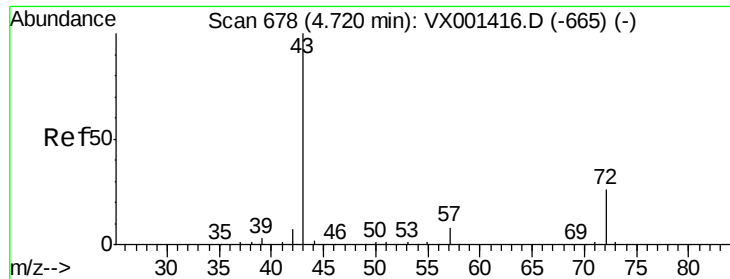
Tgt Ion: 43 Resp: 8809
Ion Ratio Lower Upper
43 100
58 29.9 23.8 35.8



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Tgt Ion: 84 Resp: 955
Ion Ratio Lower Upper
84 100
49 138.7 96.6 144.8
51 50.3 29.0 43.4#
86 77.0 52.2 78.4





#25

2-Butanone

Concen: 0.66 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

Instrument :

MSVOA_X

ClientSampled :

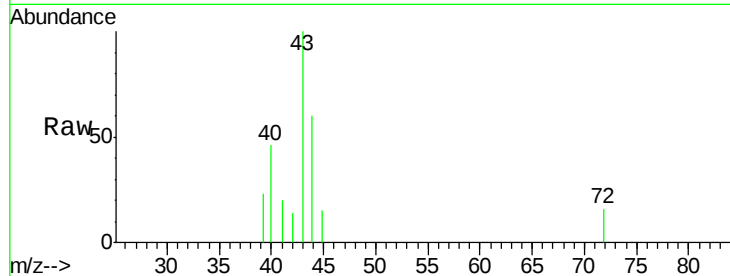
RAV-MW-11

Tgt Ion: 43 Resp: 1443

Ion Ratio Lower Upper

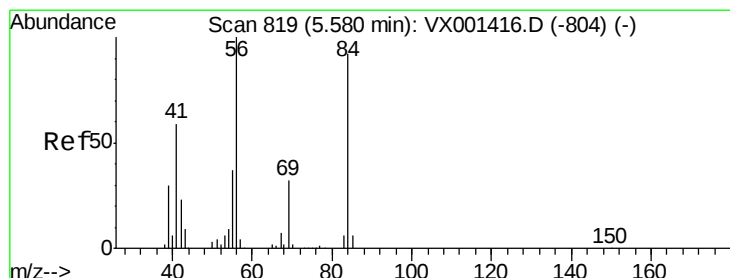
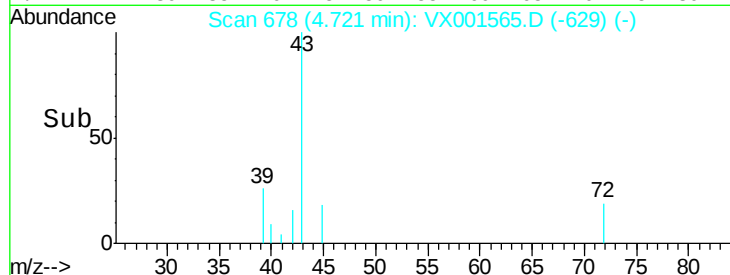
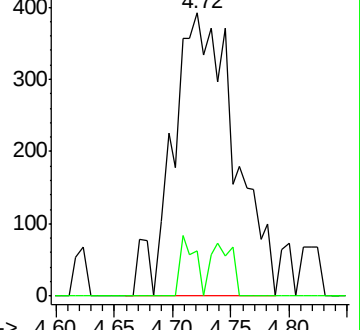
43 100

72 16.1 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: 0.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

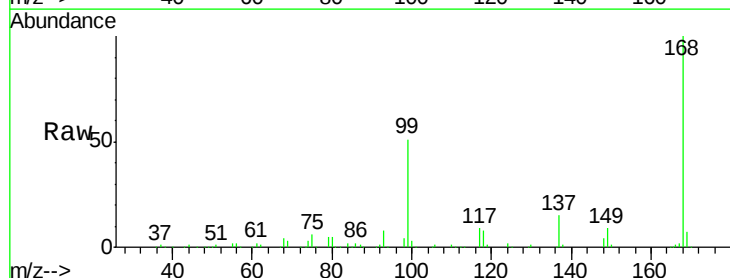
Tgt Ion: 56 Resp: 4060

Ion Ratio Lower Upper

56 100

69 149.4 25.4 38.0#

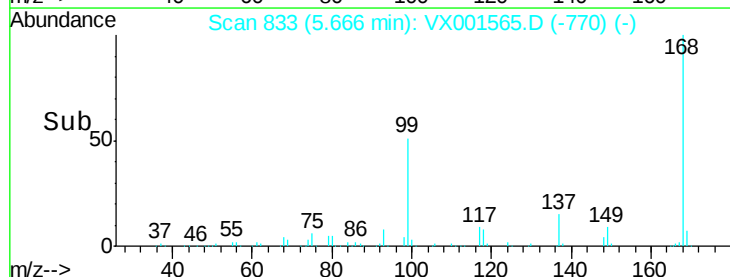
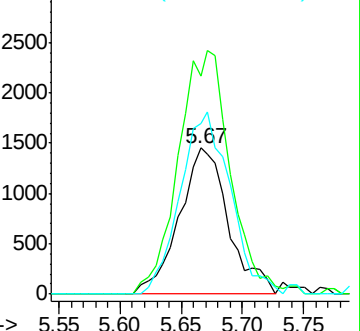
84 117.1 73.8 110.8#

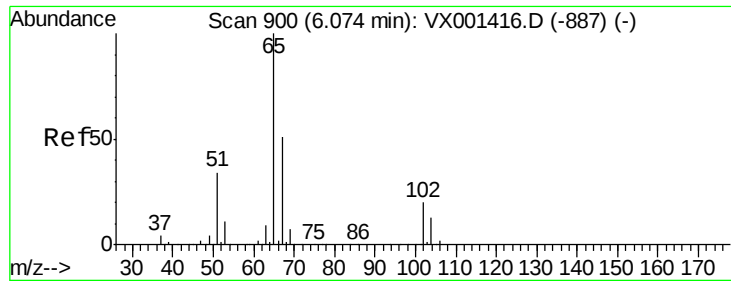


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 57.26 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

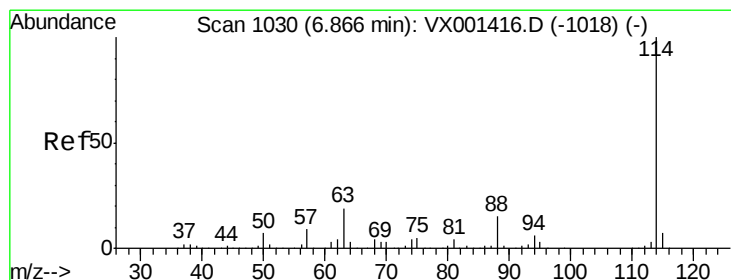
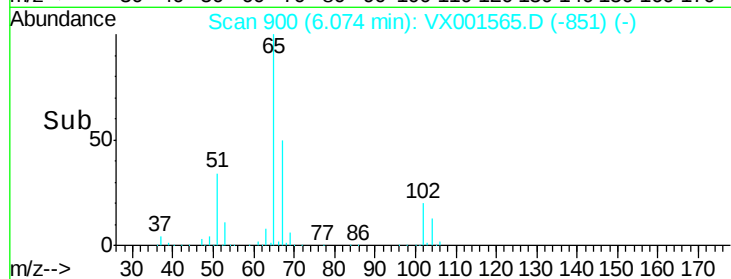
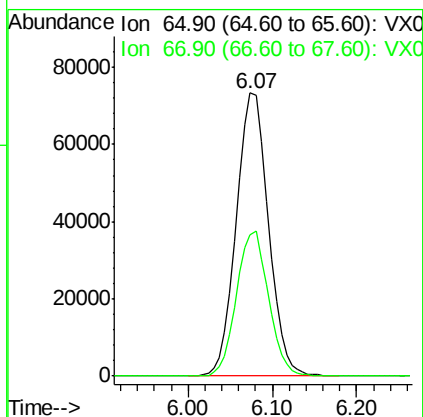
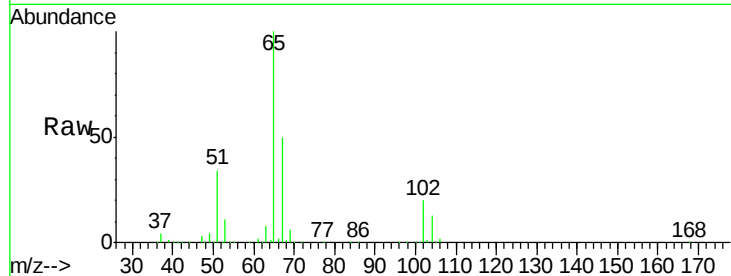
RAV-MW-11

Tgt Ion: 65 Resp: 189794

Ion Ratio Lower Upper

65 100

67 50.8 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: VX001565.D

Acq: 09 May 2018 19:47

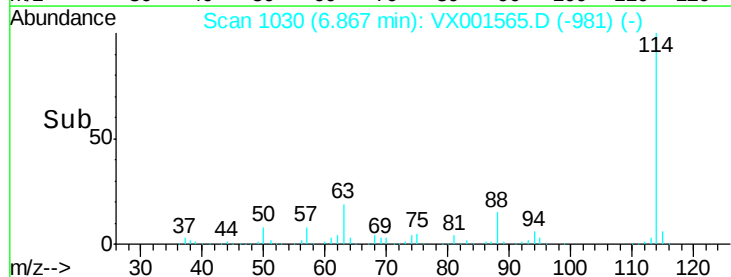
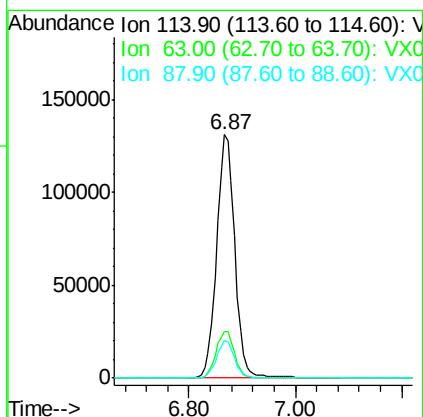
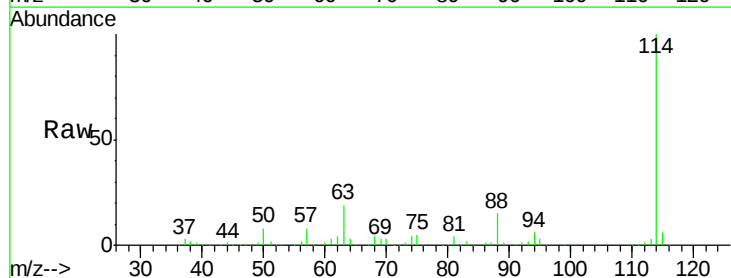
Tgt Ion: 114 Resp: 313240

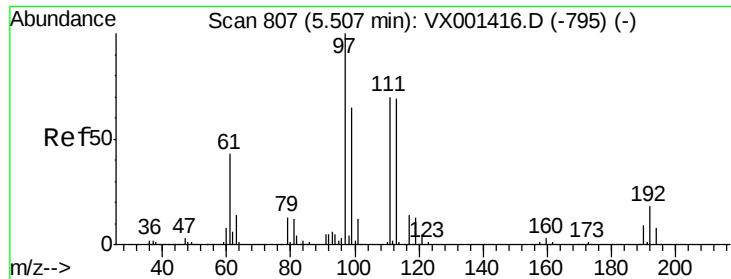
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.4 0.0 30.8

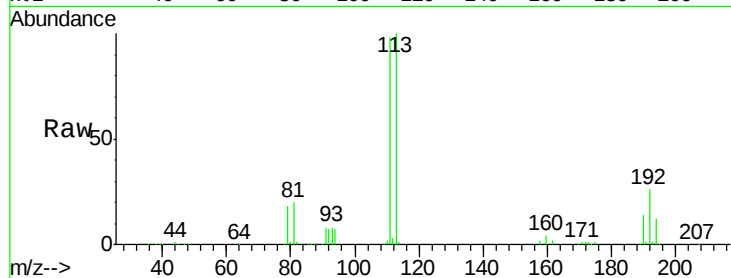




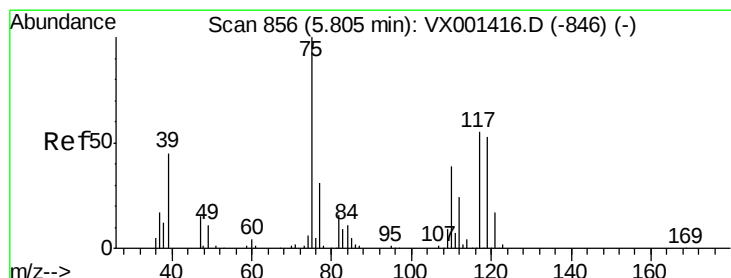
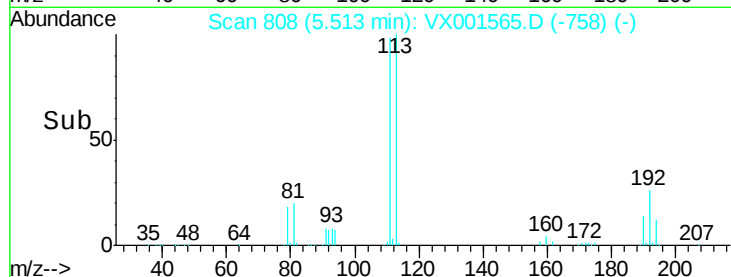
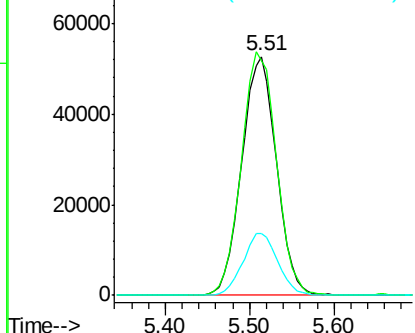
#35
 Dibromofluoromethane
 Concen: 52.69 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001565.D
 Acq: 09 May 2018 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-MW-11

Tgt Ion:113 Resp: 146819
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 26.1 21.4 32.0

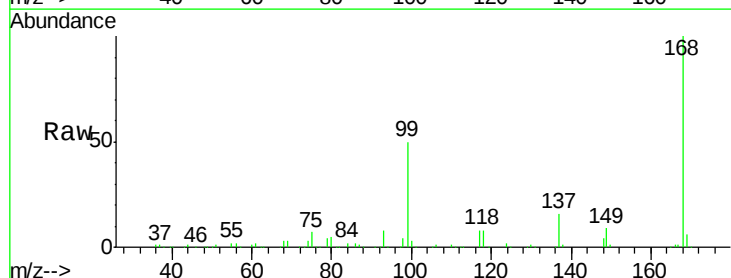


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

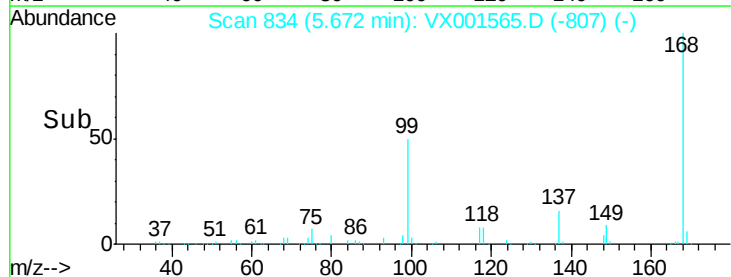
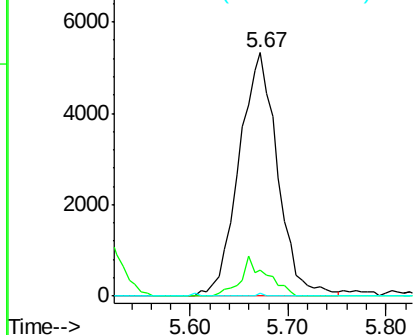


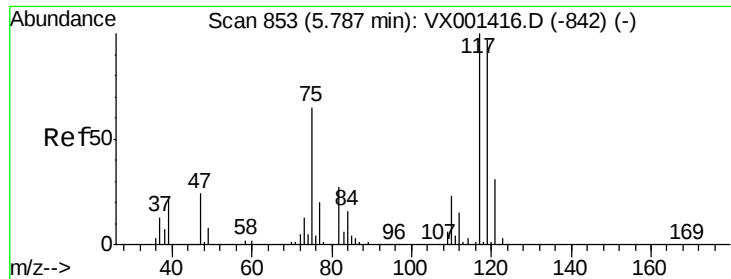
#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001565.D
 Acq: 09 May 2018 19:47

Tgt Ion: 75 Resp: 14578
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.9 56.7#
 77 0.1 24.9 37.3#



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

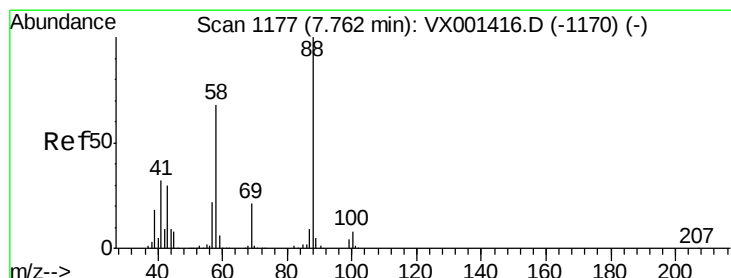
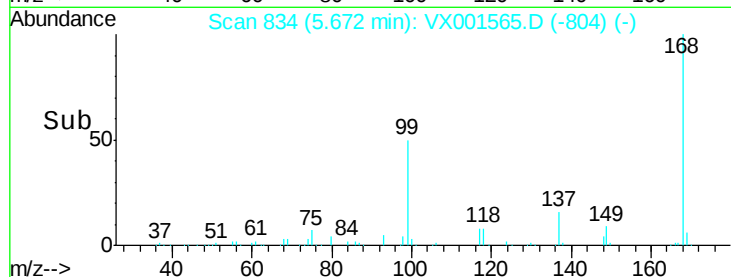
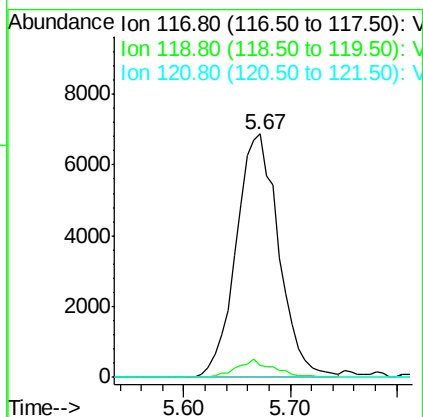
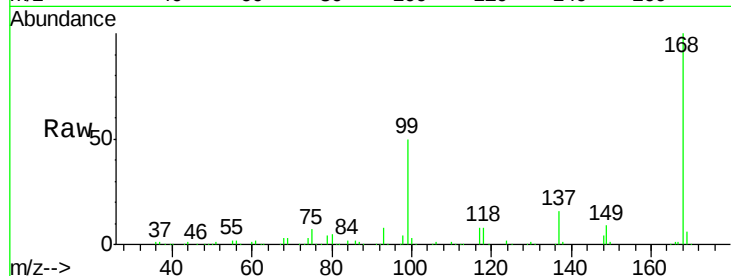




#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

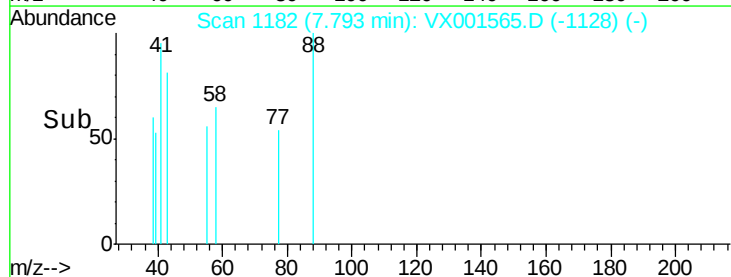
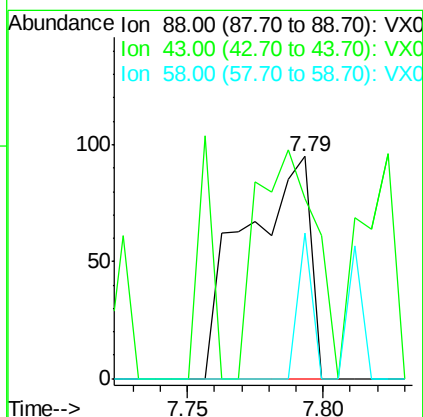
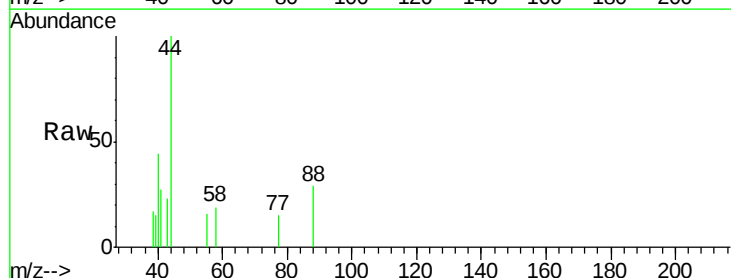
Instrument :
MSVOA_X
ClientSampled :
RAV-MW-11

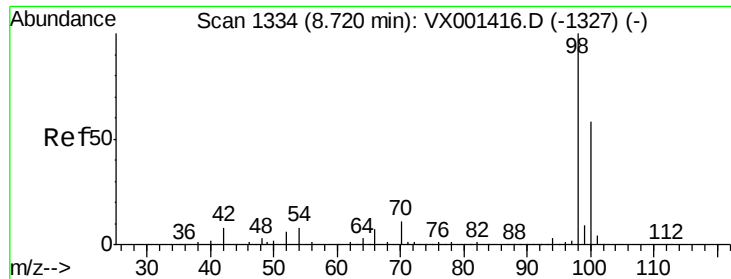
Tgt Ion: 117 Resp: 19329
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.6#
121 0.0 25.1 37.7#



#49
1,4-Dioxane
Concen: 2.00 ug/l
RT: 7.79 min Scan# 1182
Delta R.T. 0.03 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 92.4 26.4 39.6#
58 14.6 54.1 81.1#

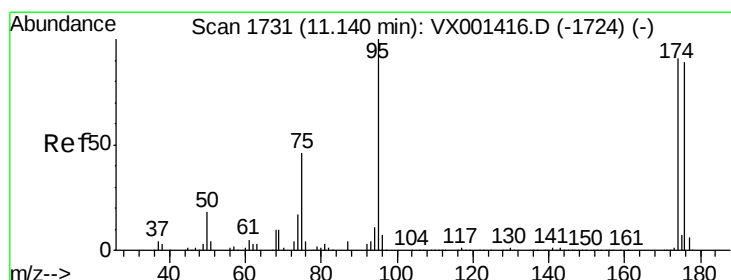
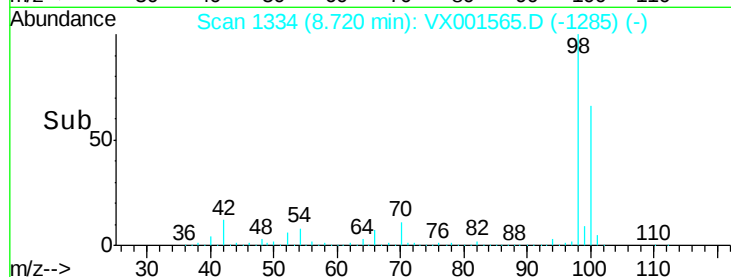
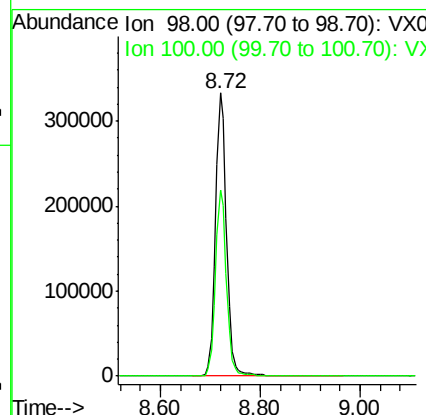
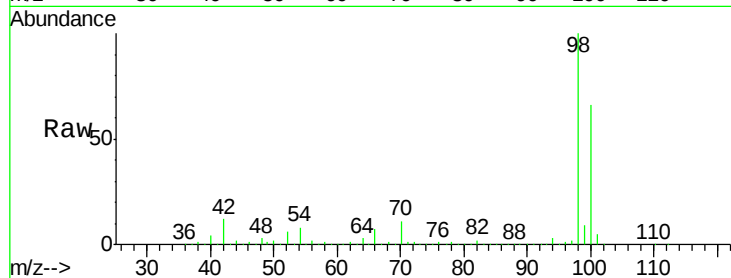




#50
Toluene-d8
Concen: 50.92 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

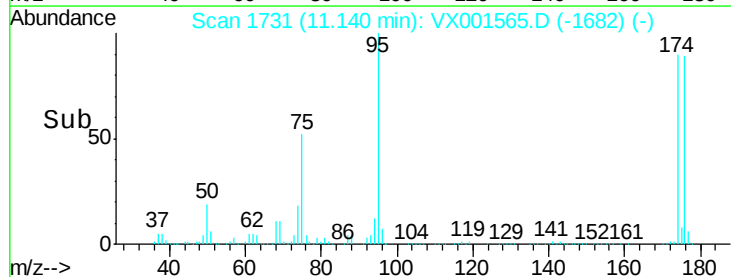
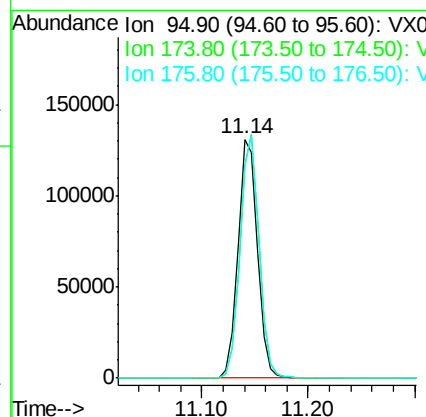
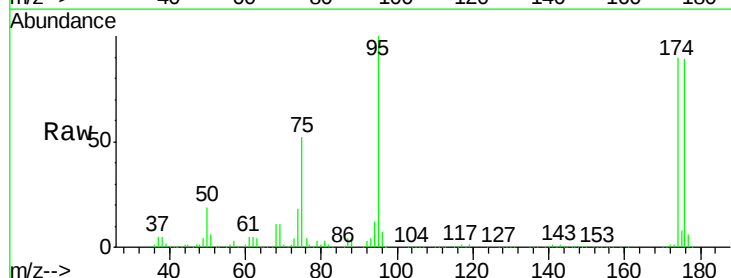
Instrument :
MSVOA_X
ClientSampleId :
RAV-MW-11

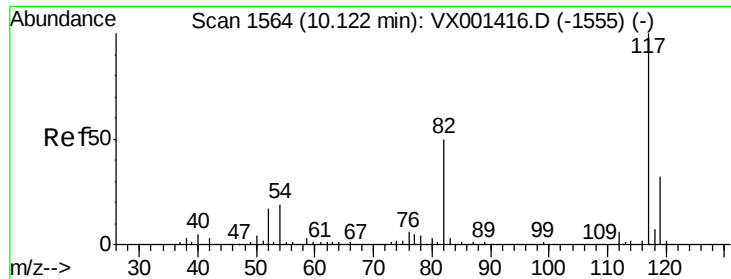
Tgt Ion: 98 Resp: 517910
Ion Ratio Lower Upper
98 100
100 65.8 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 43.18 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Tgt Ion: 95 Resp: 168593
Ion Ratio Lower Upper
95 100
174 100.1 0.0 202.0
176 98.9 0.0 197.4

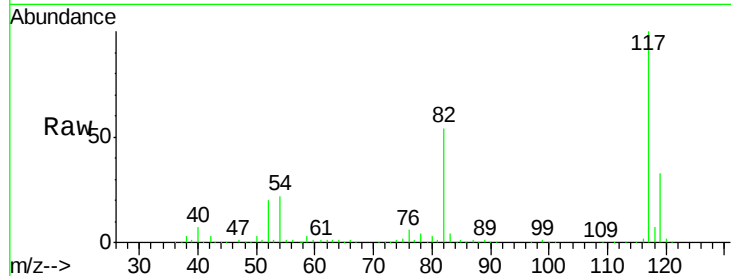




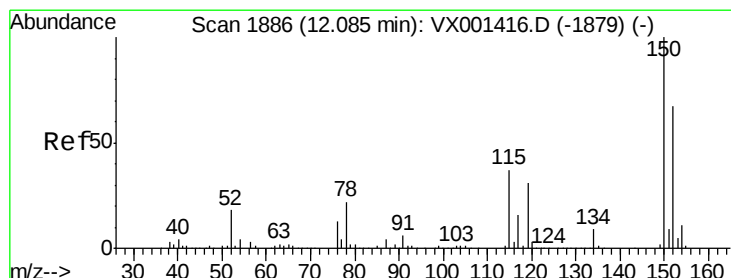
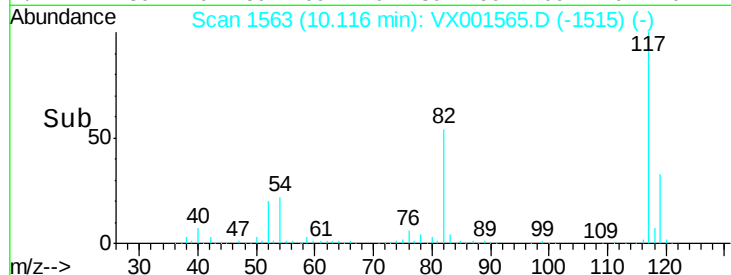
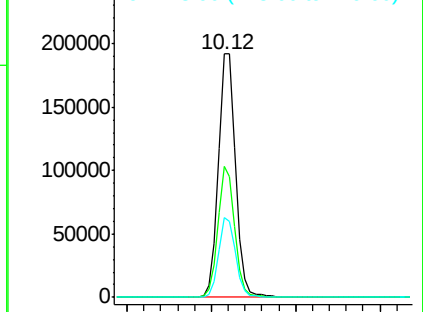
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Instrument :
MSVOA_X
ClientSampled :
RAV-MW-11

Tgt Ion:117 Resp: 274643
Ion Ratio Lower Upper
117 100
82 53.9 40.0 60.0
119 32.6 25.8 38.8

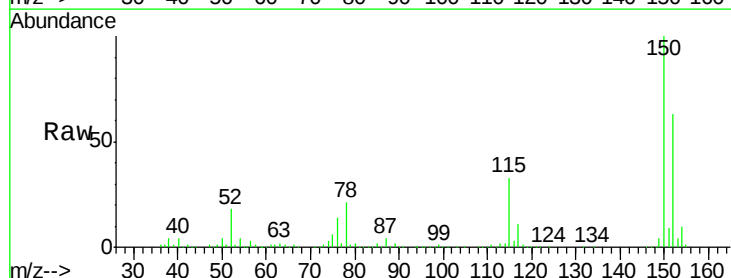


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

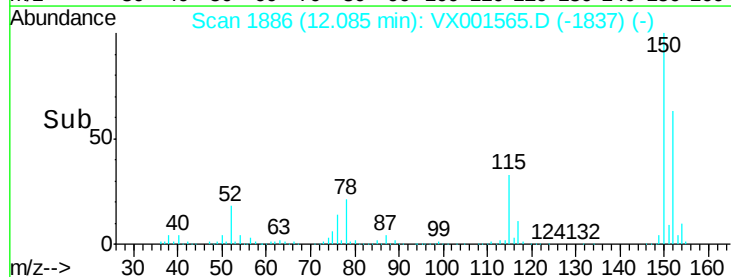
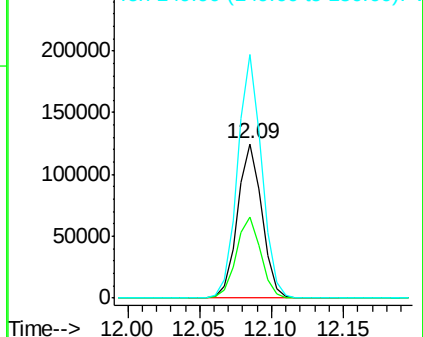


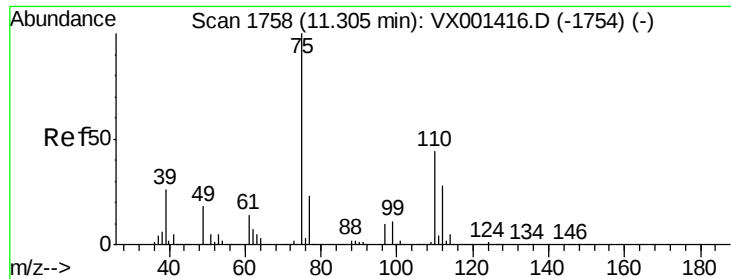
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001565.D
Acq: 09 May 2018 19:47

Tgt Ion:152 Resp: 147198
Ion Ratio Lower Upper
152 100
115 53.2 37.7 113.1
150 156.1 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: 28.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

Instrument :

MSVOA_X

ClientSampled :

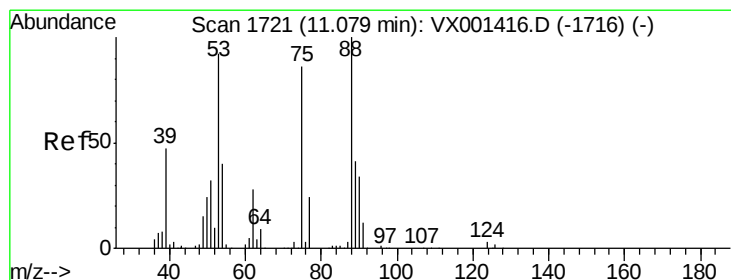
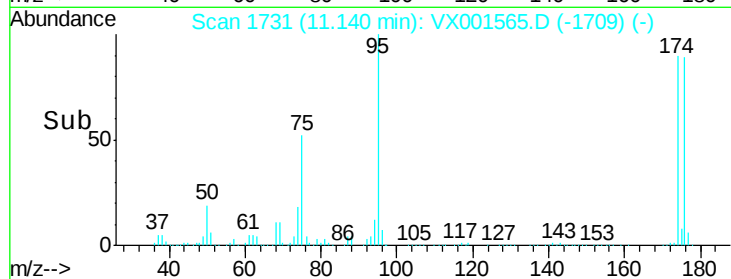
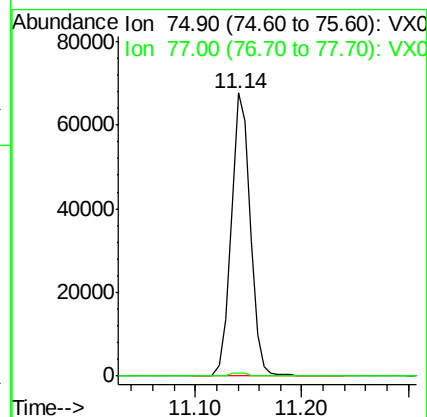
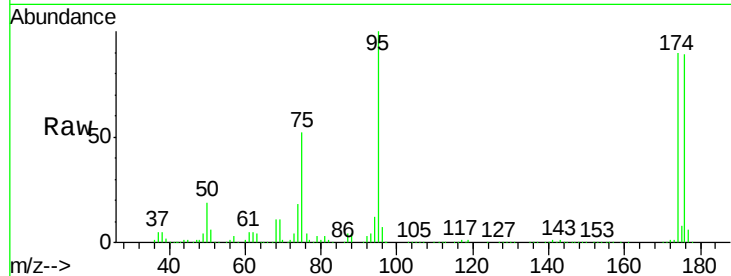
RAV-MW-11

Tgt Ion: 75 Resp: 85054

Ion Ratio Lower Upper

75 100

77 1.3 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001565.D

Acq: 09 May 2018 19:47

Tgt Ion: 75 Resp: 85054

Ion Ratio Lower Upper

75 100

53 0.2 84.5 126.7#

89 0.0 39.5 59.3#

