

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001511.D
 Acq On : 08 May 2018 13:59
 Operator : JC/MD
 Sample : J2659-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 09 06:44:05 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	272672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197940	50.00	ug/l	0.00

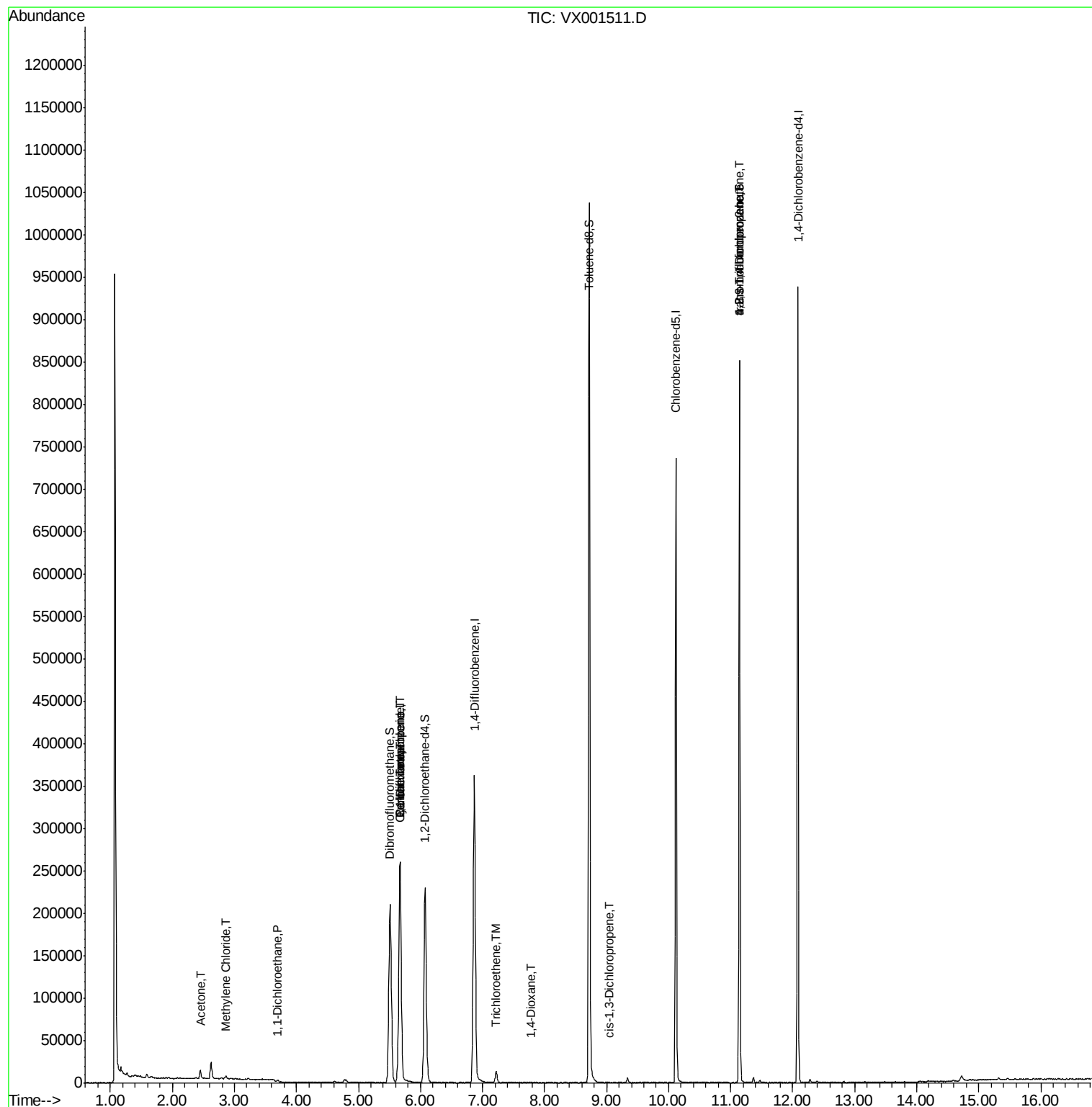
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	221810	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	
35) Dibromofluoromethane	5.51	113	173046	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	8.72	98	608687	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.14	95	208629	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

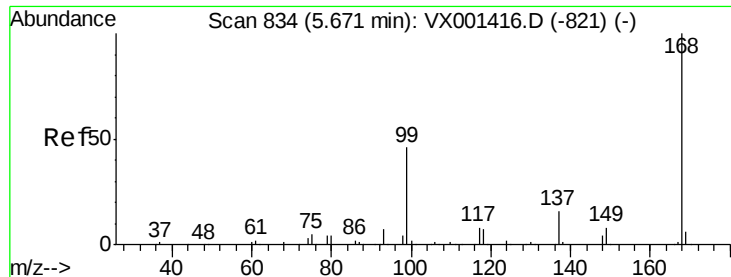
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	61	Below Cal	#	3
13) Acrolein	2.28	56	143	Below Cal	#	1
16) Acetone	2.45	43	11212	6.30	ug/l	99
20) Methylene Chloride	2.86	84	1528	0.43	ug/l #	86
24) 1,1-Dichloroethane	3.70	63	2055	0.35	ug/l #	92
31) Cyclohexane	5.66	56	4602	0.91	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	16800	3.50	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23597	4.61	ug/l #	16
44) Trichloroethene	7.21	130	5228	1.22	ug/l	92
49) 1,4-Dioxane	7.77	88	273	2.87	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	71	2.28	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	106237	26.46	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	106237	81.43	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: VX001511.D

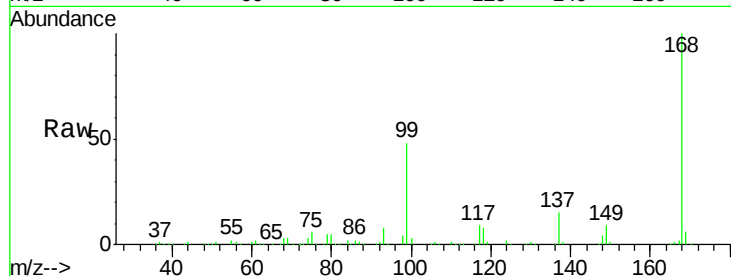
Acq: 08 May 2018 13:59

Tgt Ion: 168 Resp: 272672

Ion Ratio Lower Upper

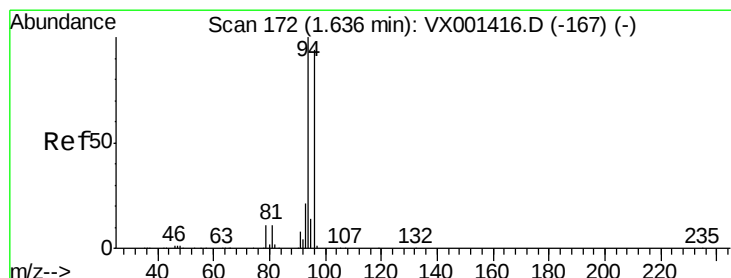
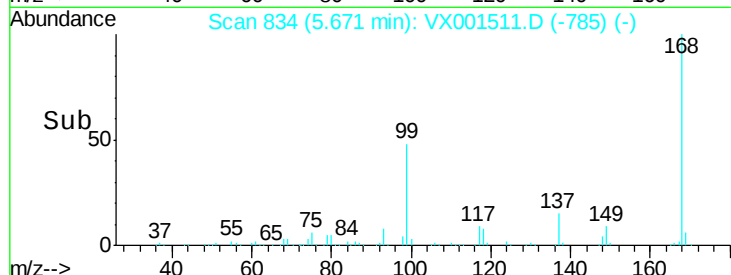
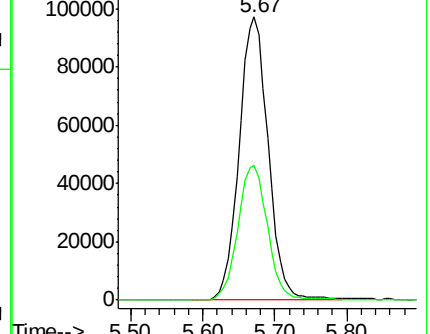
168 100

99 47.7 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX001511.D

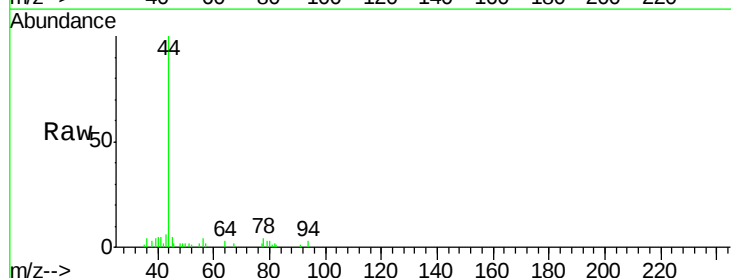
Acq: 08 May 2018 13:59

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

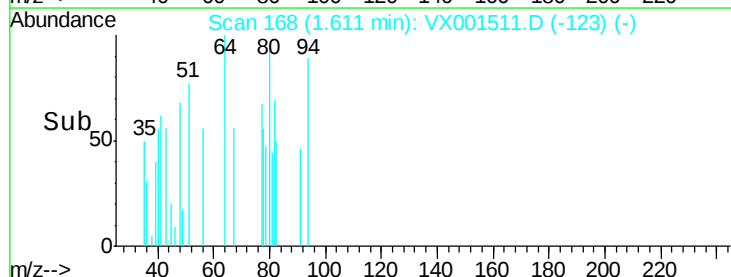
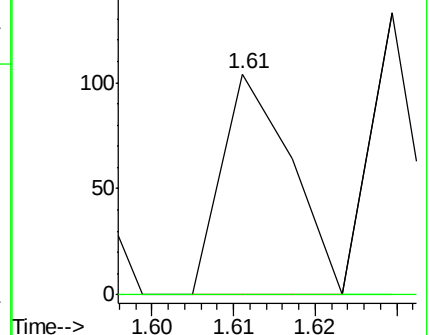
94 100

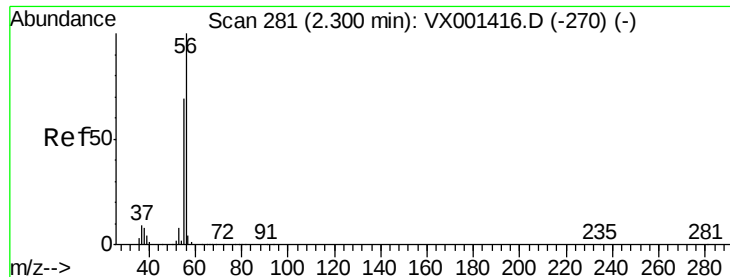
96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX001511.D

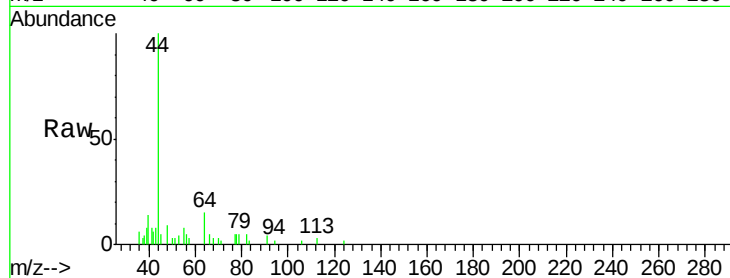
Acq: 08 May 2018 13:59

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

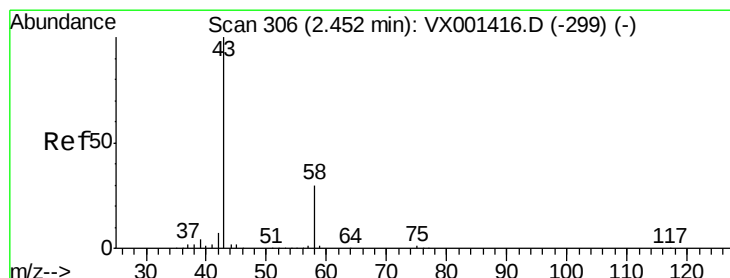
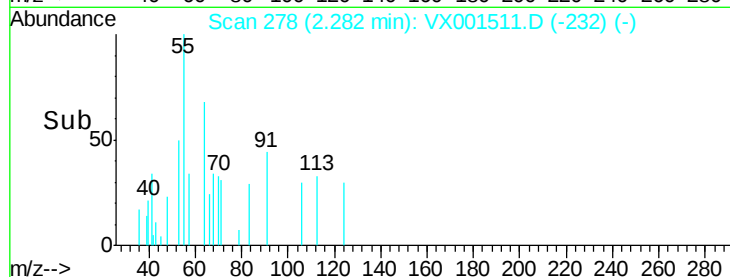
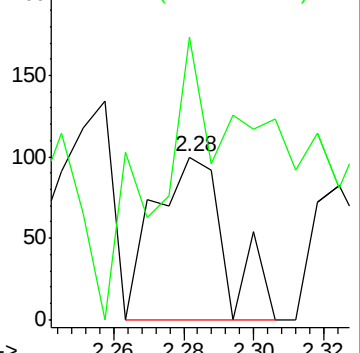
56 100

55 193.0 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: 6.30 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001511.D

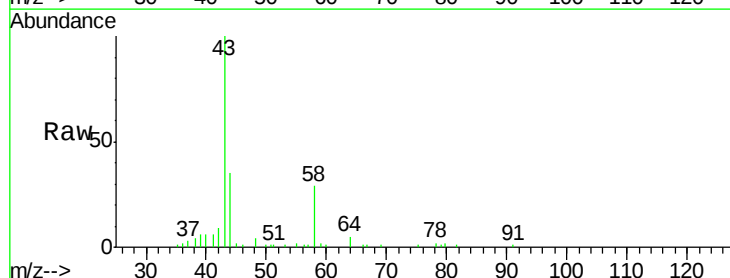
Acq: 08 May 2018 13:59

Tgt Ion: 43 Resp: 11212

Ion Ratio Lower Upper

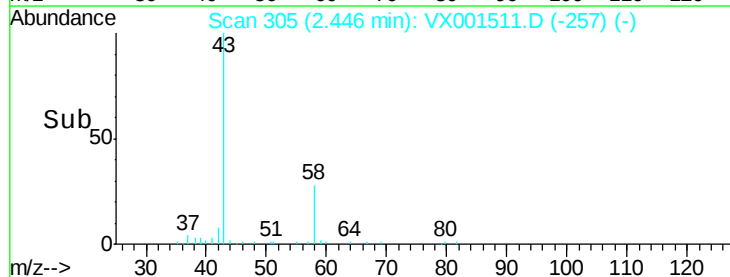
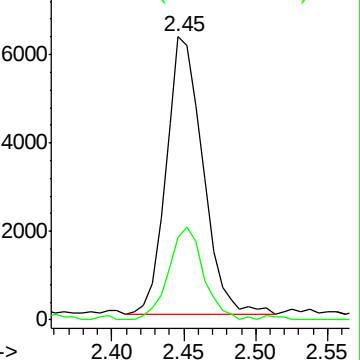
43 100

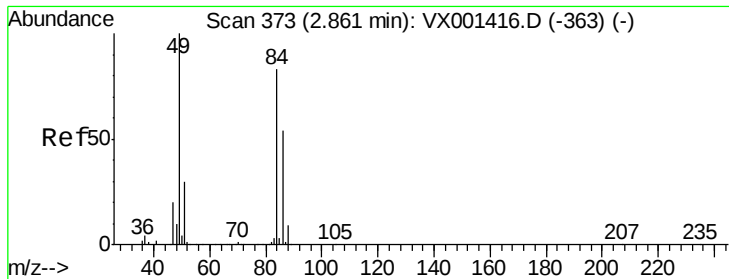
58 29.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001511.D

Acq: 08 May 2018 13:59

Tgt Ion: 84 Resp: 1528

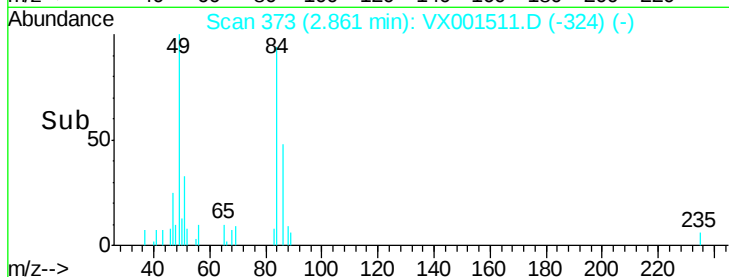
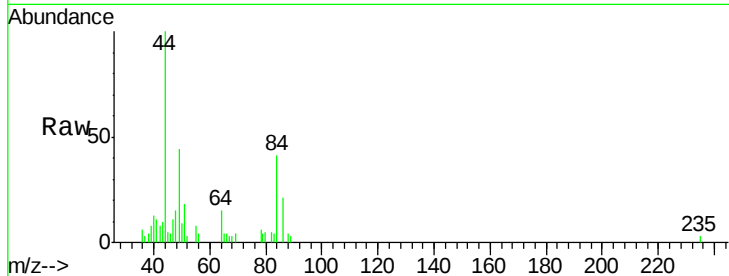
Ion Ratio Lower Upper

84 100

49 106.6 96.6 144.8

51 42.8 29.0 43.4

86 51.5 52.2 78.4#

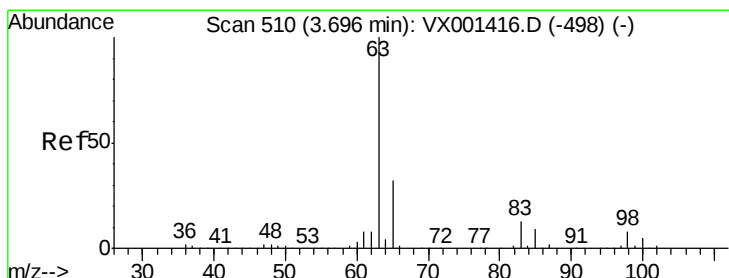
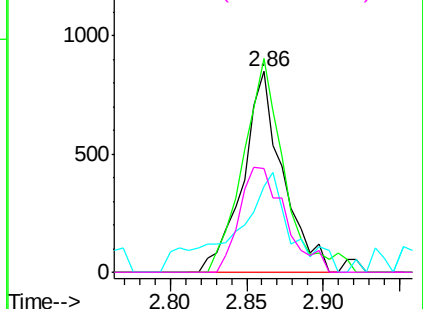


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#24

1,1-Dichloroethane

Concen: 0.35 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001511.D

Acq: 08 May 2018 13:59

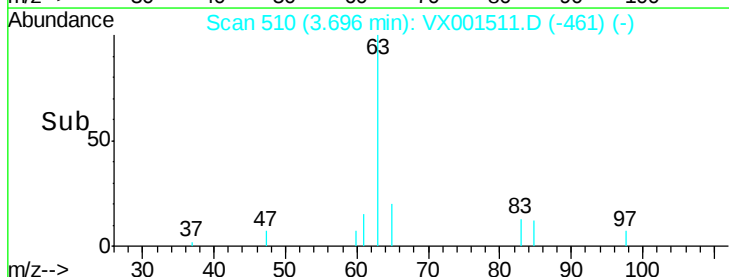
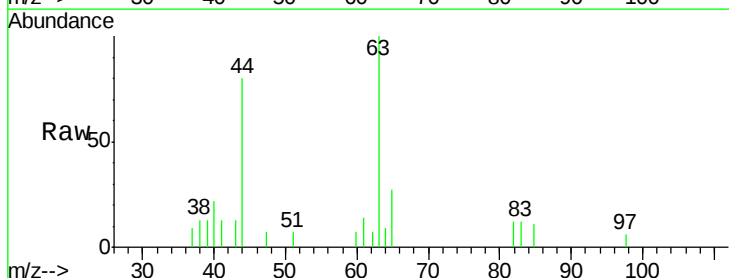
Tgt Ion: 63 Resp: 2055

Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.4

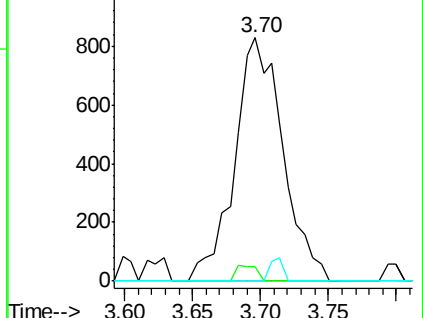
100 0.0 2.4 7.1#

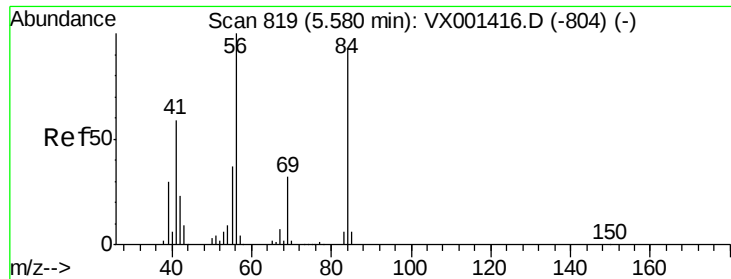


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

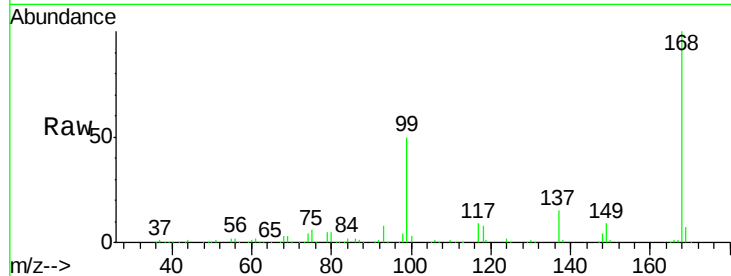
Ion 99.90 (99.60 to 100.60): VX0



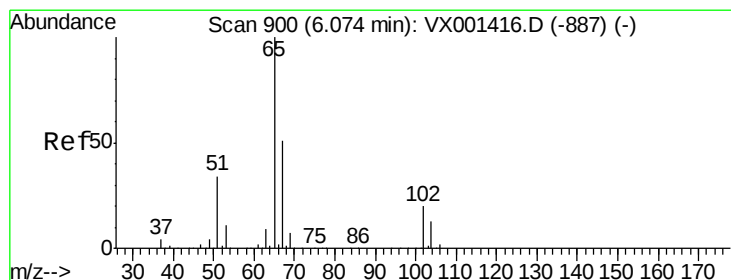
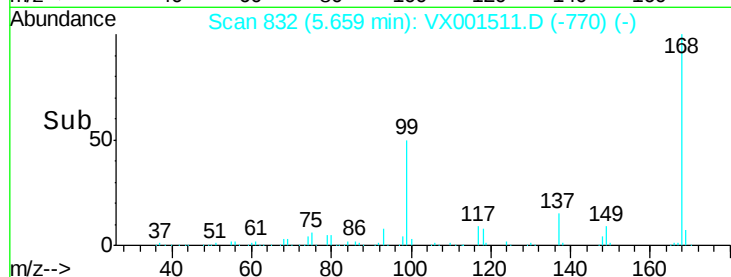
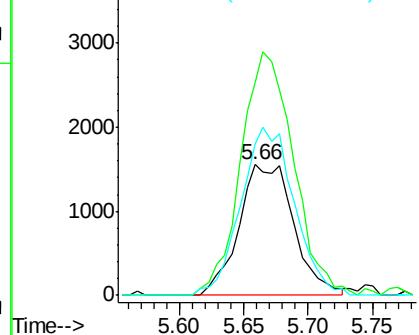


#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001511.D
Acq: 08 May 2018 13:59

Tgt Ion: 56 Resp: 4602
Ion Ratio Lower Upper
56 100
69 162.8 25.4 38.0#
84 115.8 73.8 110.8#

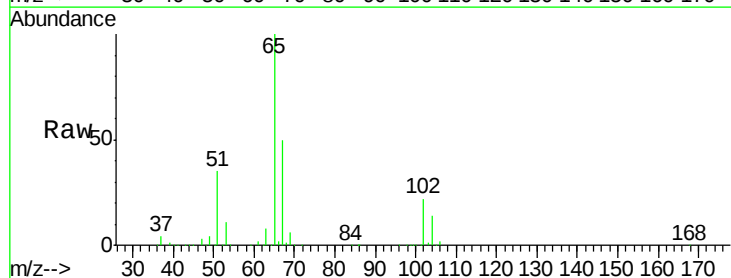


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

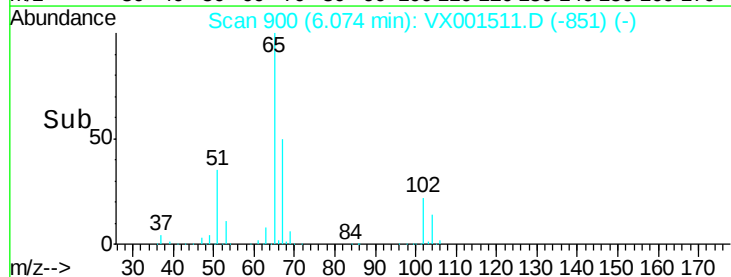
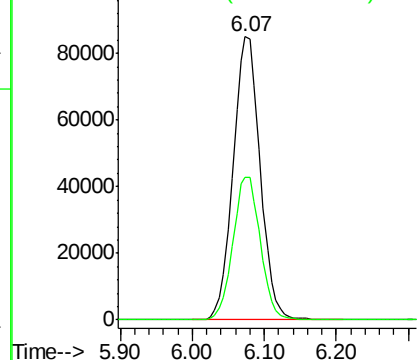


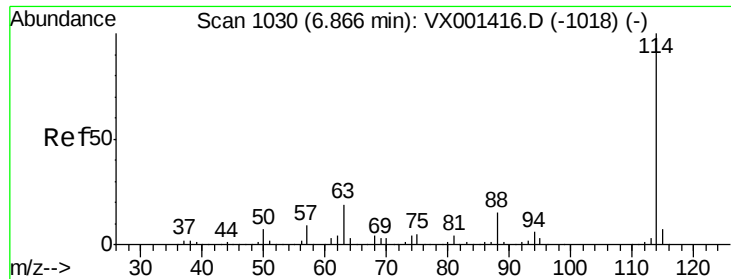
#33
1,2-Dichloroethane-d4
Concen: 56.60 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001511.D
Acq: 08 May 2018 13:59

Tgt Ion: 65 Resp: 221810
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.8



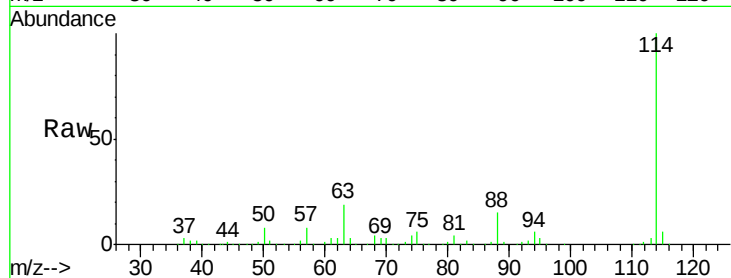
Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0



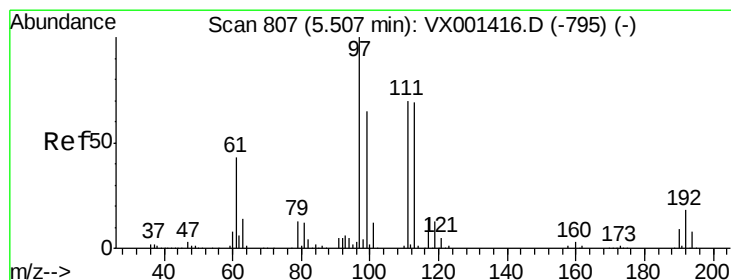
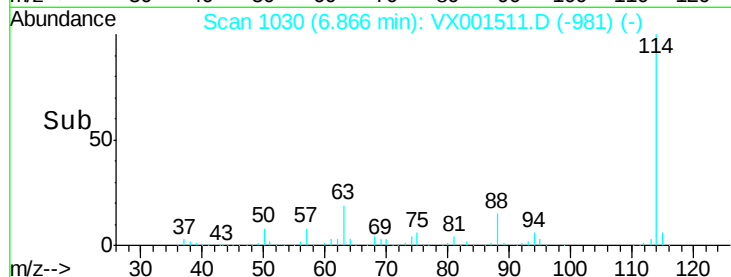
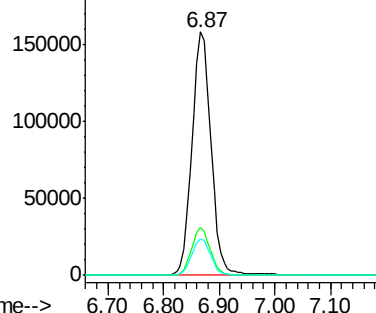


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX001511.D
Acq: 08 May 2018 13:59

Tgt Ion:114 Resp: 377266
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 14.8 0.0 30.8

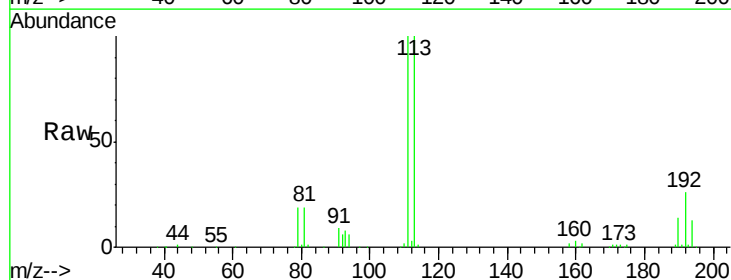


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

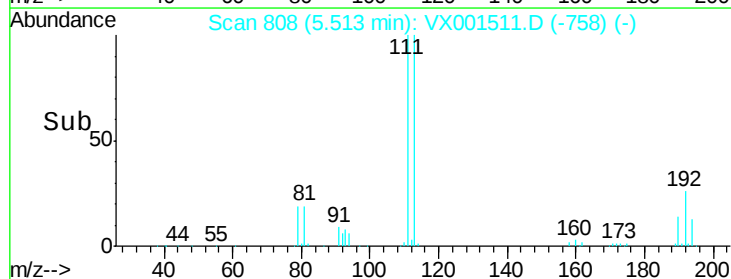
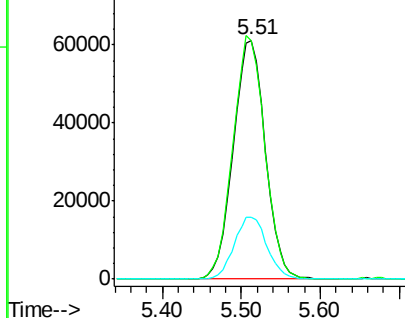


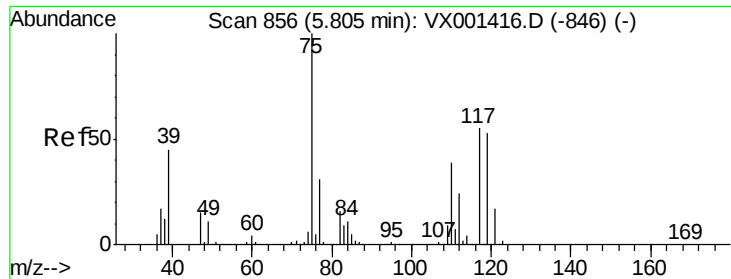
#35
Dibromofluoromethane
Concen: 51.57 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX001511.D
Acq: 08 May 2018 13:59

Tgt Ion:113 Resp: 173046
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 26.5 21.4 32.0



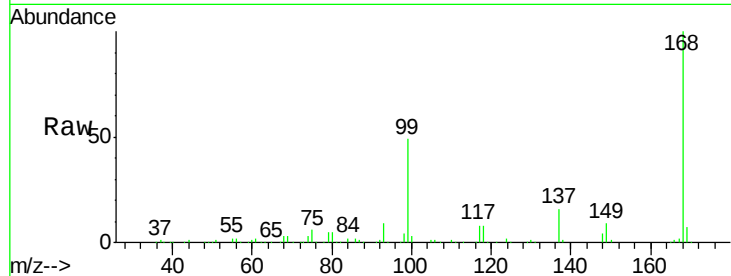
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36
 1,1-Dichloropropene
 Concen: 3.50 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001511.D
 Acq: 08 May 2018 13:59

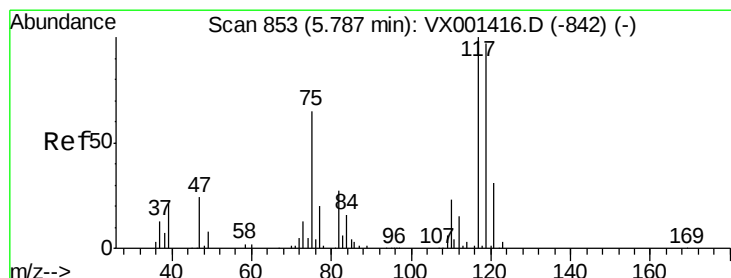
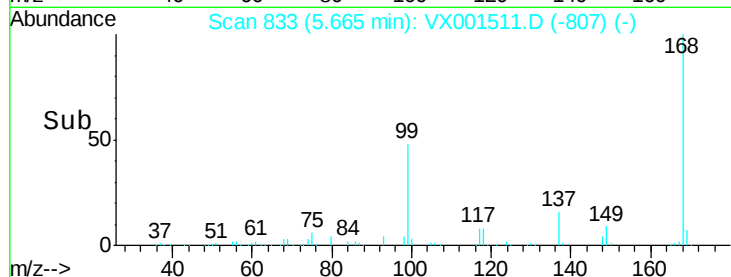
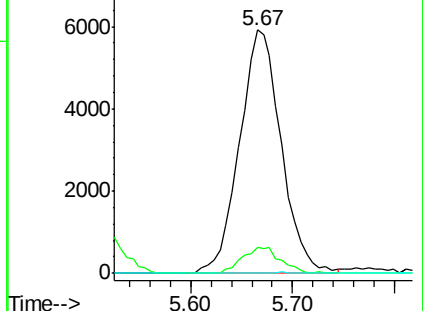
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.9	56.7#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-846) (-)

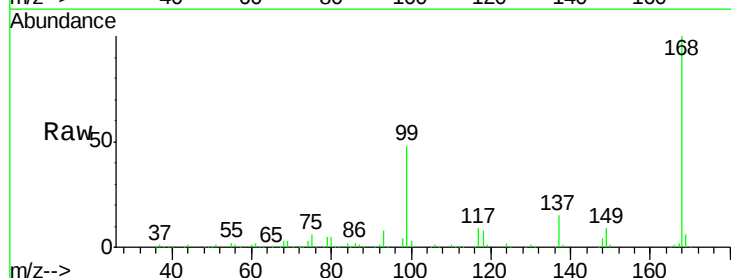
Ion 109.90 (109.60 to 110.60): VX001416.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX001416.D (-846) (-)



#38
 Carbon Tetrachloride
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001511.D
 Acq: 08 May 2018 13:59

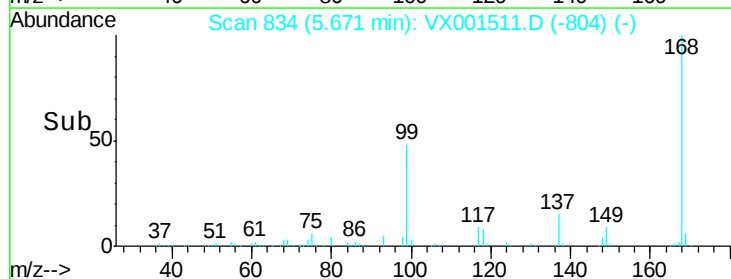
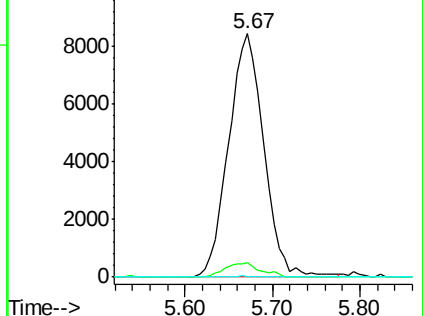
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.0	115.6#
121	0.0	25.1	37.7#

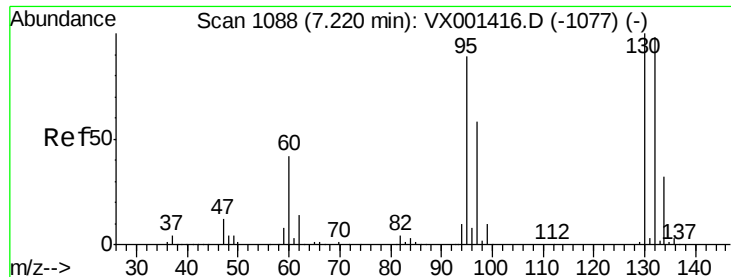


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)





#44

Trichloroethene

Concen: 1.22 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX001511.D

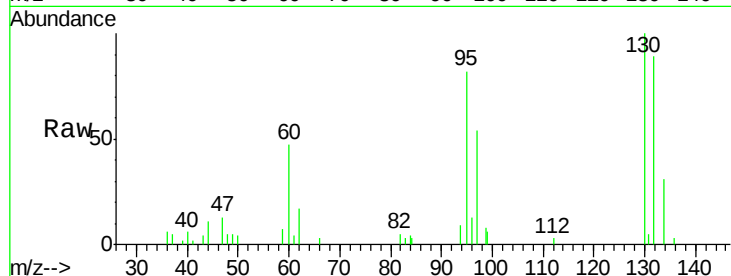
Acq: 08 May 2018 13:59

Tgt Ion: 130 Resp: 5228

Ion Ratio Lower Upper

130 100

95 81.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2500

2000

1500

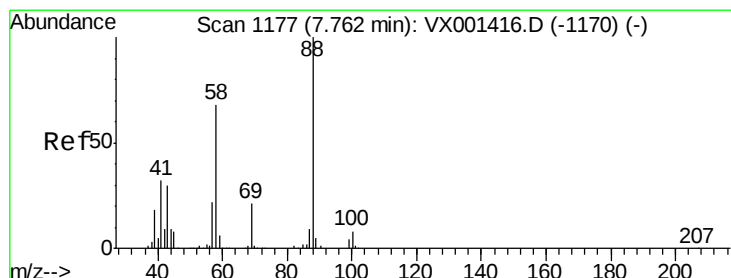
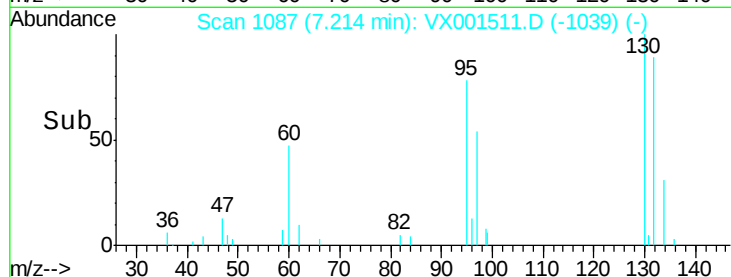
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 2.87 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VX001511.D

Acq: 08 May 2018 13:59

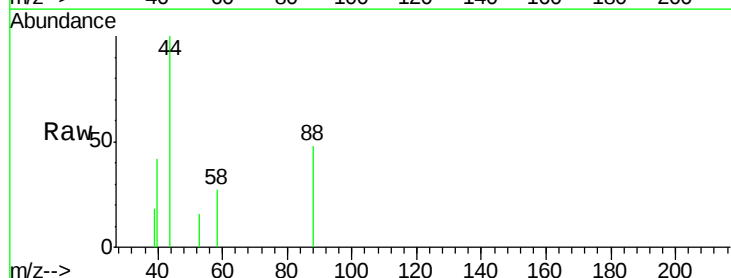
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 38.5 26.4 39.6

58 63.4 54.1 81.1



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200

150

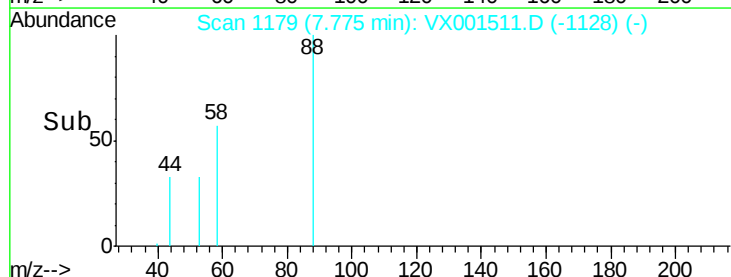
100

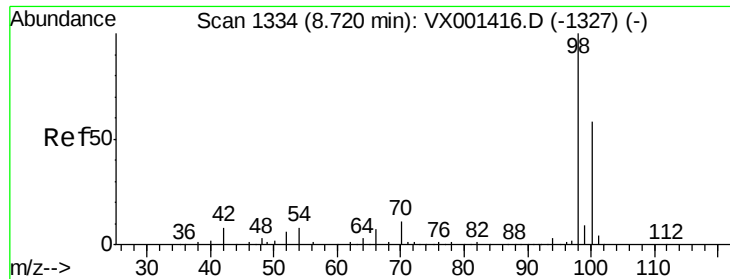
50

0

7.75 7.80

Time-->





#50

Toluene-d8

Concen: 49.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001511.D

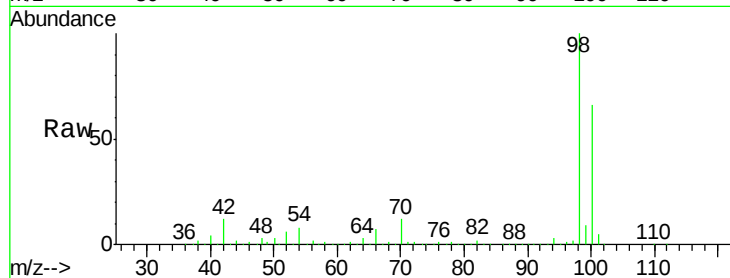
Acq: 08 May 2018 13:59

Tgt Ion: 98 Resp: 608687

Ion Ratio Lower Upper

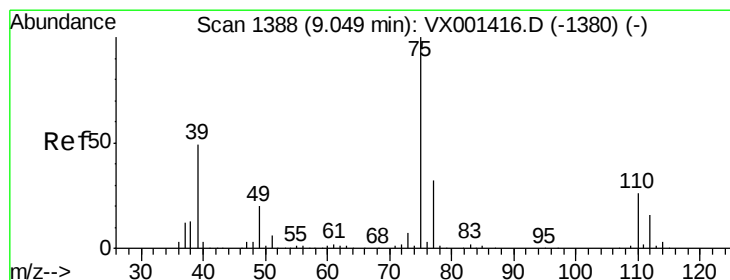
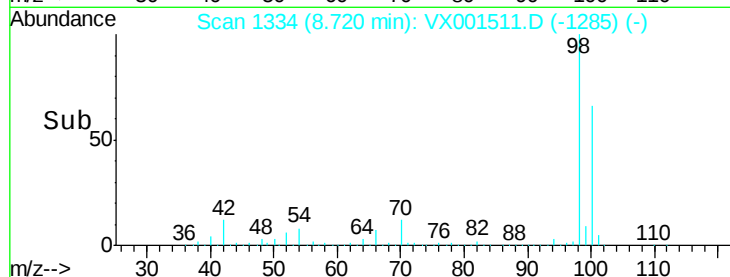
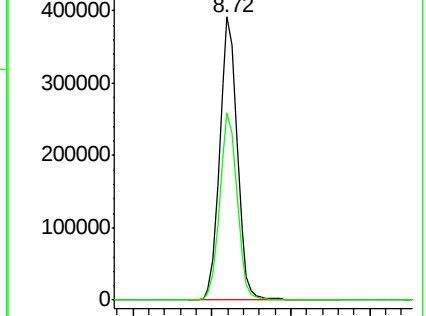
98 100

100 66.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 2.28 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001511.D

Acq: 08 May 2018 13:59

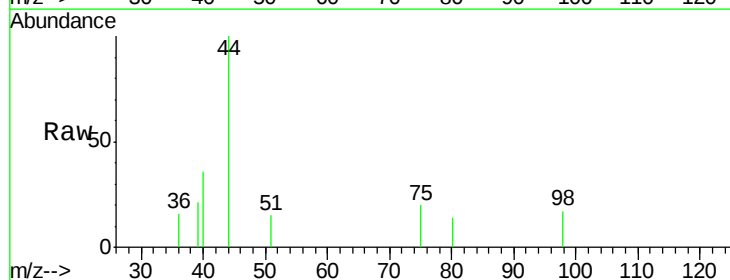
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

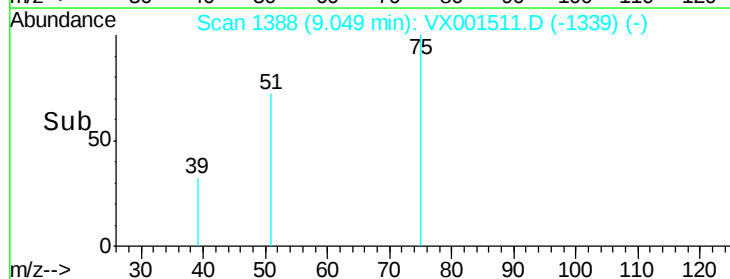
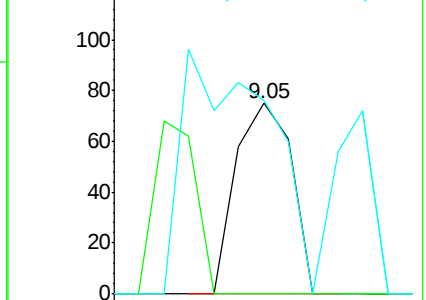
39 26.7 38.9 58.3#

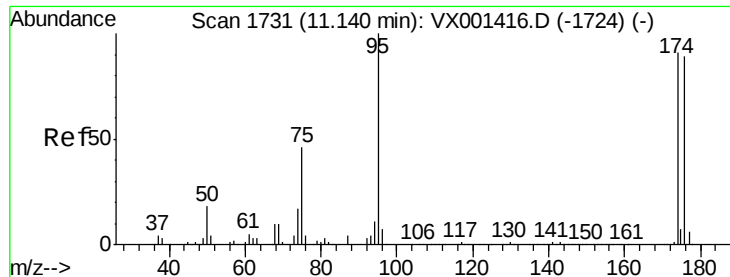


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001511.D

Acq: 08 May 2018 13:59

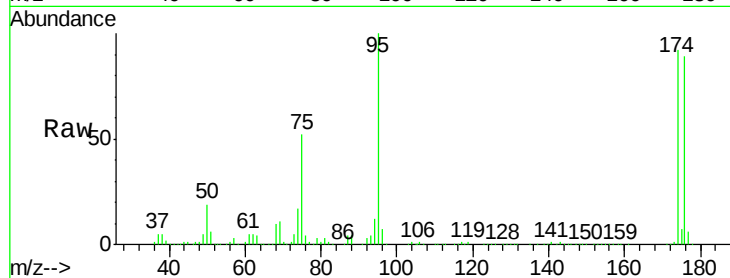
Tgt Ion: 95 Resp: 208629

Ion Ratio Lower Upper

95 100

174 101.6 0.0 202.0

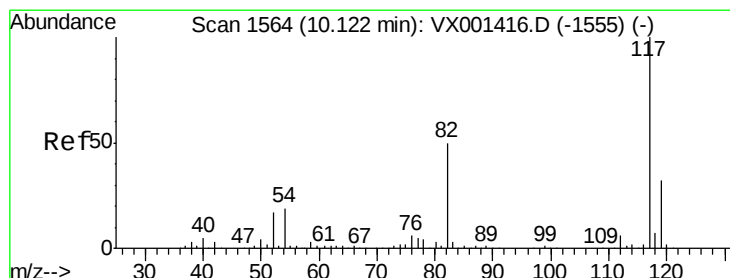
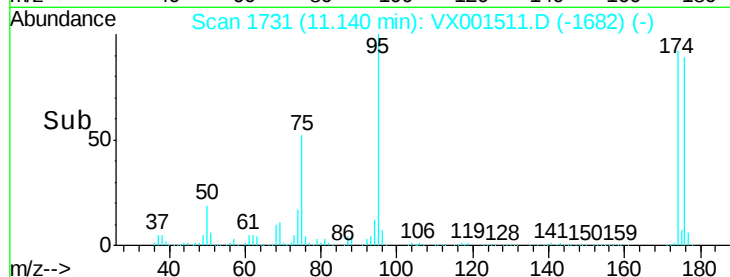
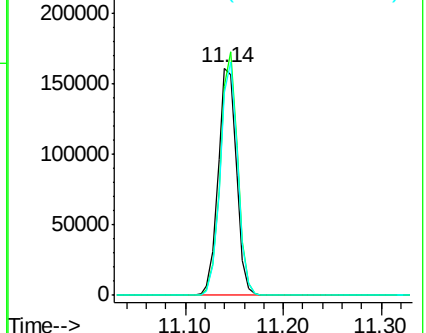
176 98.0 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001511.D

Acq: 08 May 2018 13:59

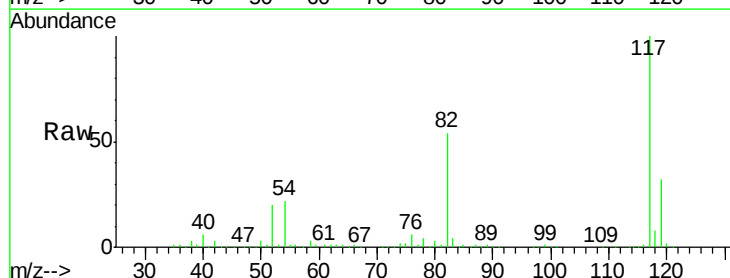
Tgt Ion: 117 Resp: 338814

Ion Ratio Lower Upper

117 100

82 54.0 40.0 60.0

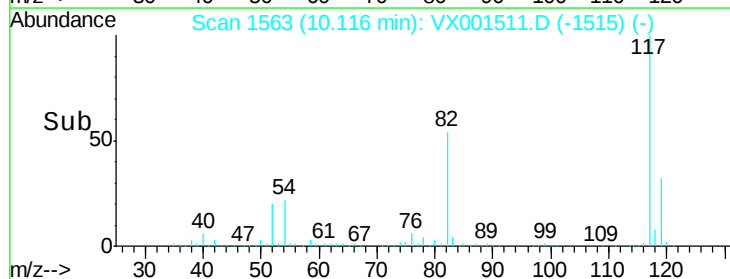
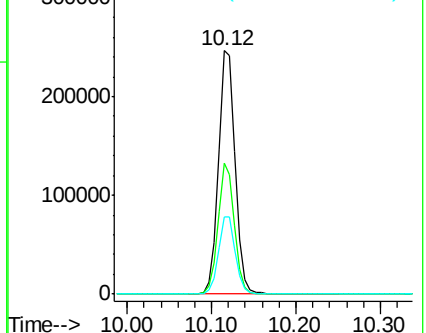
119 31.7 25.8 38.8

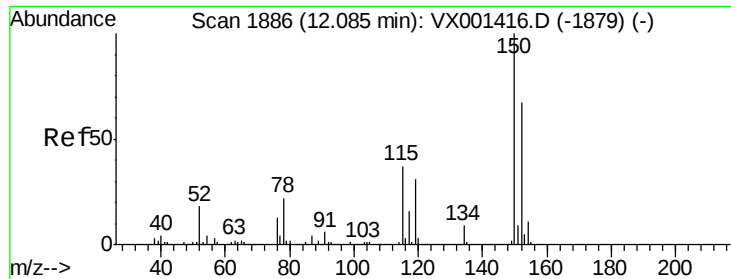


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

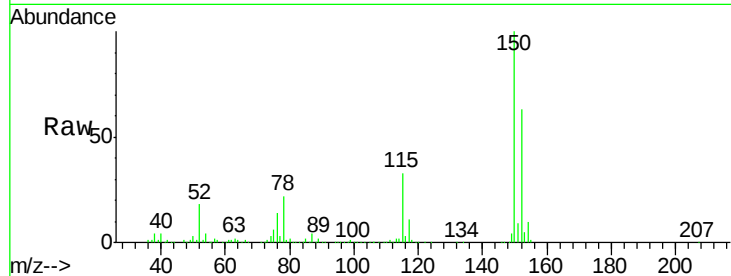




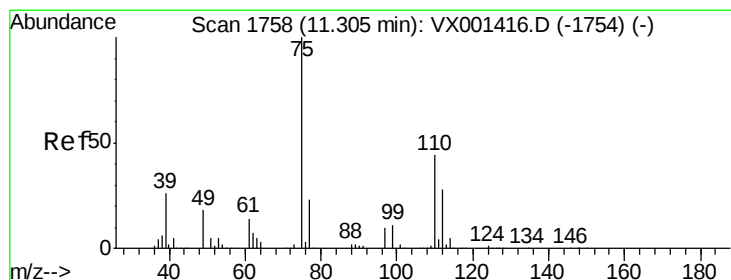
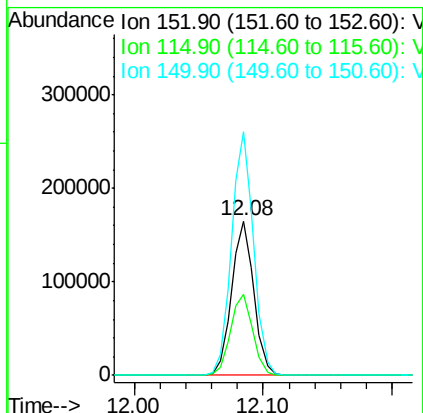
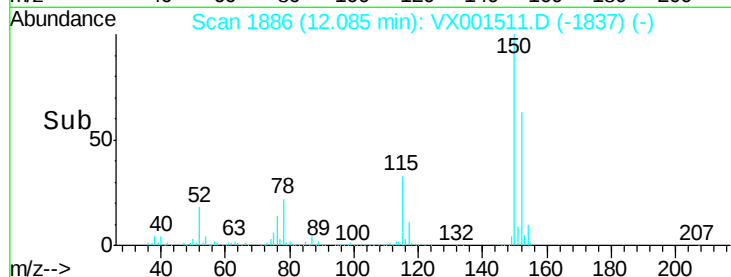
#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001511.D
Acq: 08 May 2018 13:59

Tgt Ion: 152 Resp: 197940
Ion Ratio Lower Upper
152 100
115 53.2 37.7 113.1
150 156.9 0.0 349.4



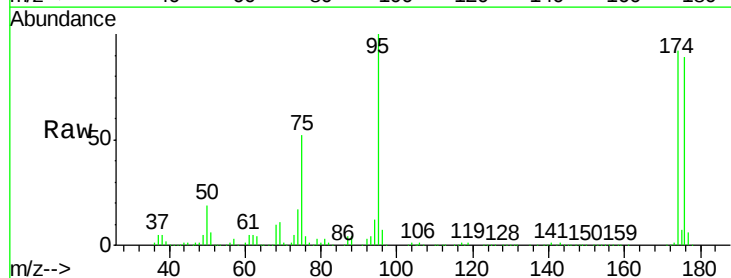
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



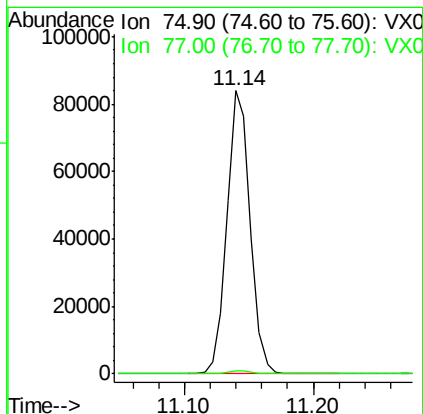
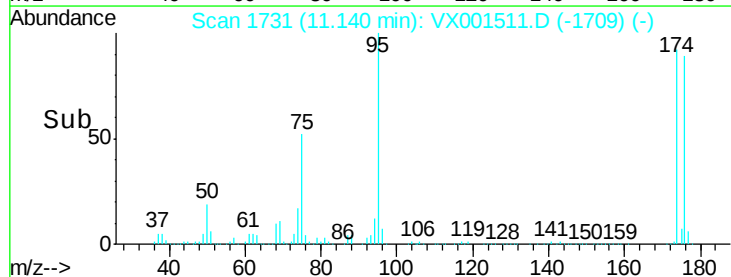
#76

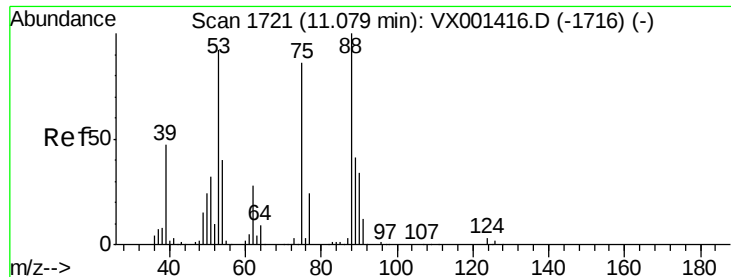
1,2,3-Trichloropropane
Concen: 26.46 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX001511.D
Acq: 08 May 2018 13:59

Tgt Ion: 75 Resp: 106237
Ion Ratio Lower Upper
75 100
77 1.3 19.6 58.7#



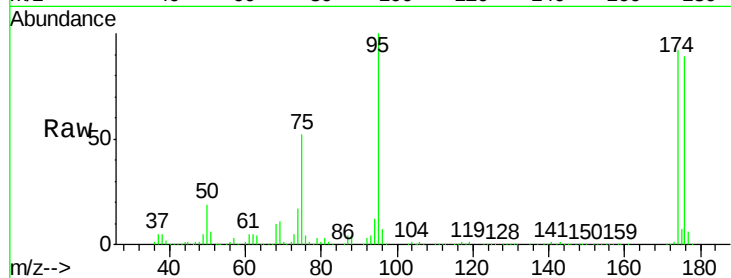
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.43 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001511.D
 Acq: 08 May 2018 13:59

Tgt Ion: 75 Resp: 106237
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#



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

