

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001508.D
 Acq On : 08 May 2018 12:39
 Operator : JC/MD
 Sample : J2659-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 09 06:43:11 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	282314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204933	50.00	ug/l	0.00

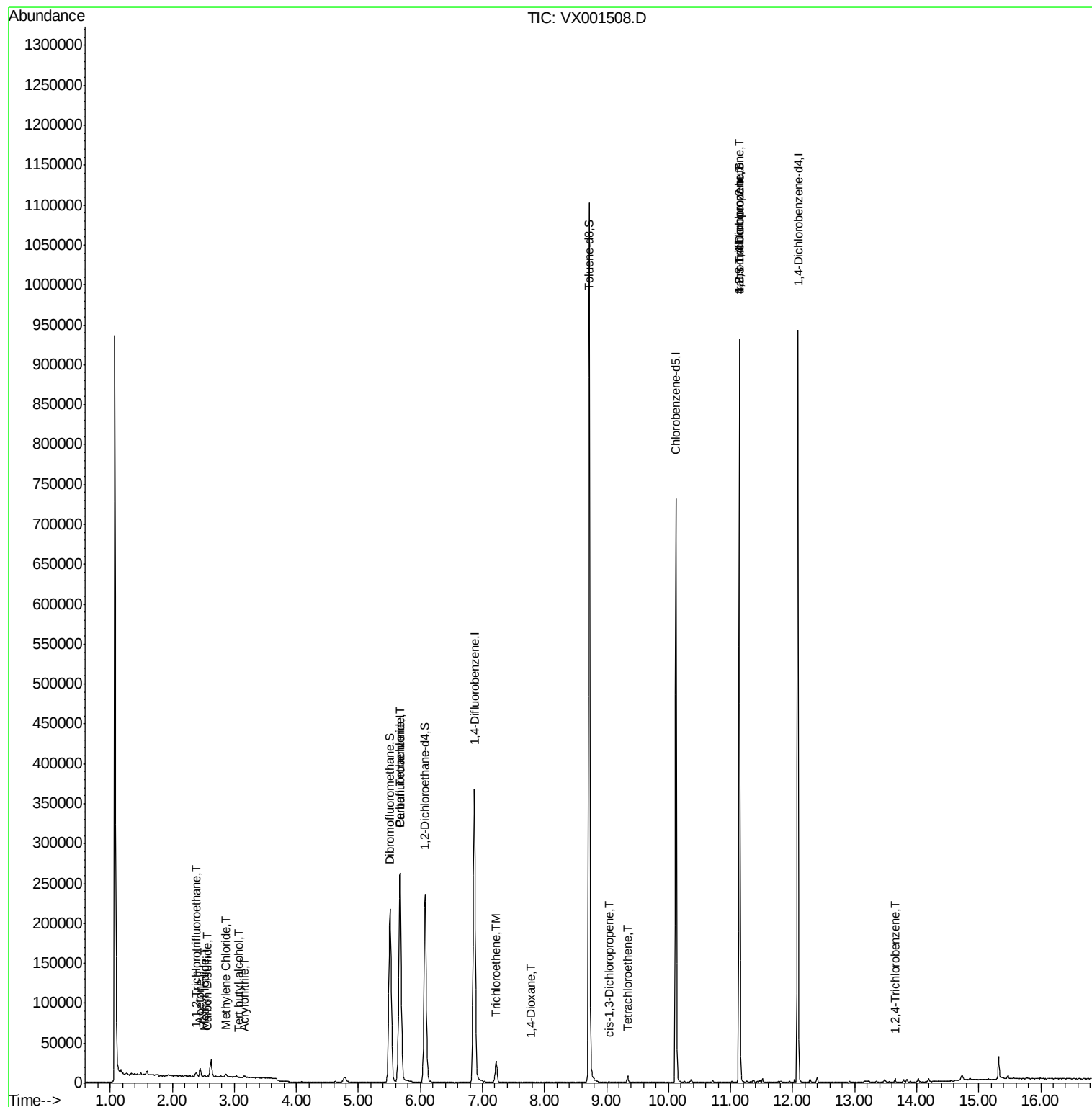
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	225197	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
35) Dibromofluoromethane	5.51	113	175883	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	8.72	98	648430	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.14	95	224684	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

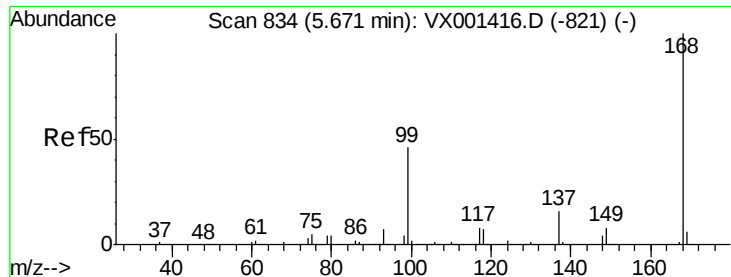
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	633	Below Cal	#	72
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1414	0.41	ug/l #	87
10) Methyl Iodide	2.52	142	1077	0.22	ug/l #	95
11) Tert butyl alcohol	3.08	59	292	0.34	ug/l #	84
13) Acrolein	2.28	56	71	Below Cal	#	1
15) Acrylonitrile	3.15	53	905	0.47	ug/l #	90
16) Acetone	2.45	43	10394	5.64	ug/l	95
17) Carbon Disulfide	2.57	76	1812	0.23	ug/l #	78
20) Methylene Chloride	2.86	84	1623	0.44	ug/l #	77
38) Carbon Tetrachloride	5.67	117	24815	4.75	ug/l #	16
44) Trichloroethene	7.22	130	10934	2.50	ug/l	96
49) 1,4-Dioxane	7.77	88	140	1.44	ug/l #	56
54) cis-1,3-Dichloropropene	9.04	75	282	2.31	ug/l #	59
64) Tetrachloroethene	9.34	164	1634	0.34	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	112722	27.12	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	112722	83.34	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.65	180	1294	0.24	ug/l	90

(#) = 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: VX001508.D

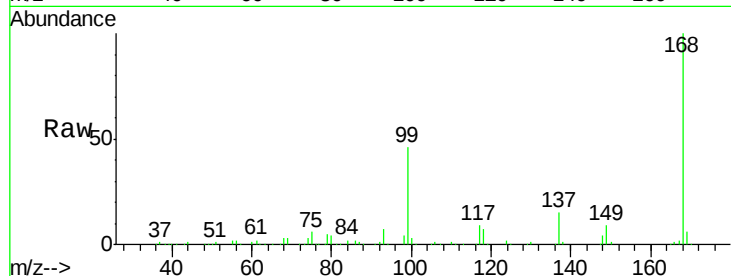
Acq: 08 May 2018 12:39

Tgt Ion: 168 Resp: 282314

Ion Ratio Lower Upper

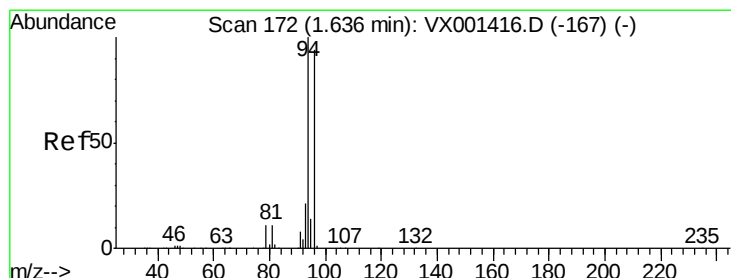
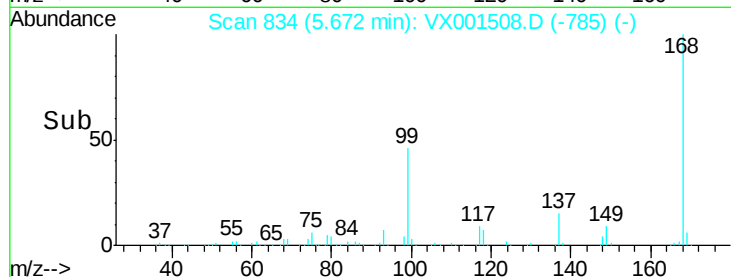
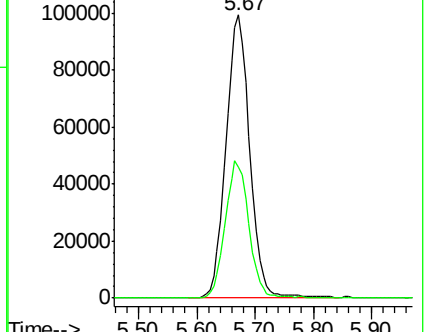
168 100

99 46.4 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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001508.D

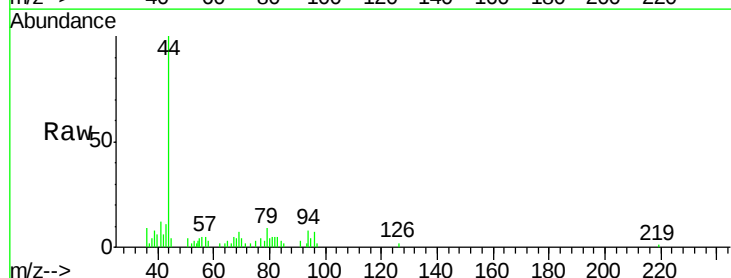
Acq: 08 May 2018 12:39

Tgt Ion: 94 Resp: 633

Ion Ratio Lower Upper

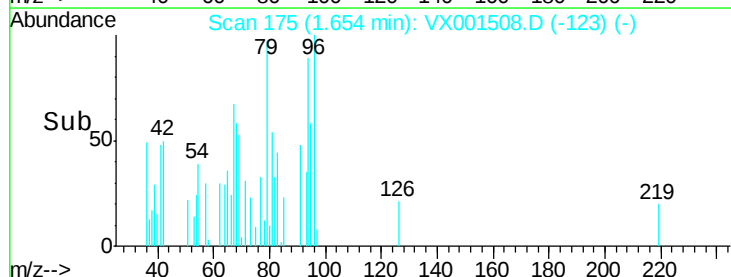
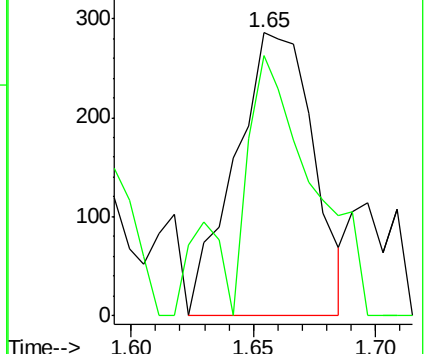
94 100

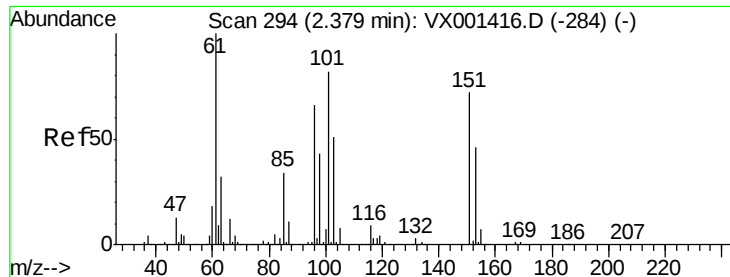
96 67.1 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.41 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

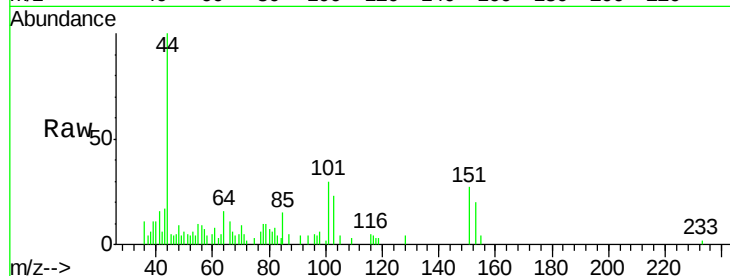
Tgt Ion:101 Resp: 1414

Ion Ratio Lower Upper

101 100

85 60.0 33.7 50.5#

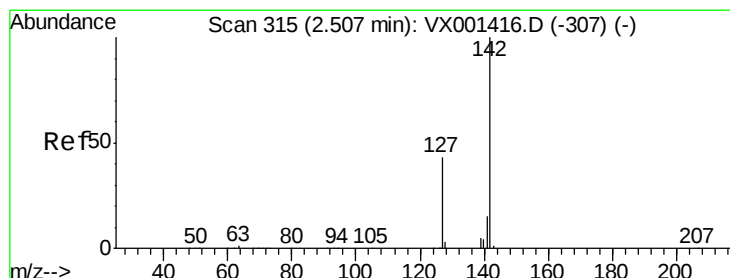
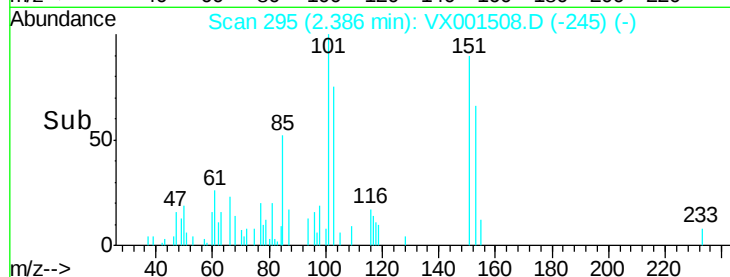
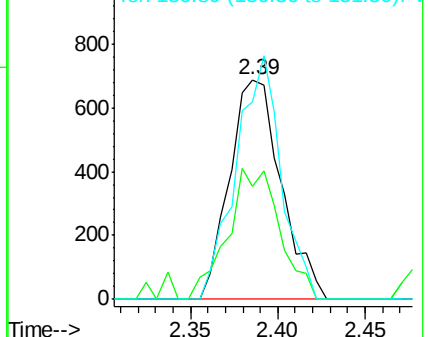
151 96.4 72.3 108.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

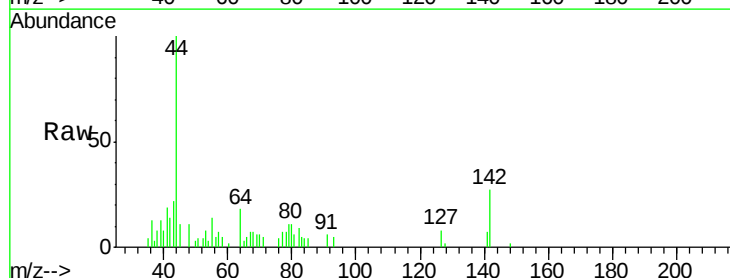
Tgt Ion:142 Resp: 1077

Ion Ratio Lower Upper

142 100

127 42.0 33.6 50.4

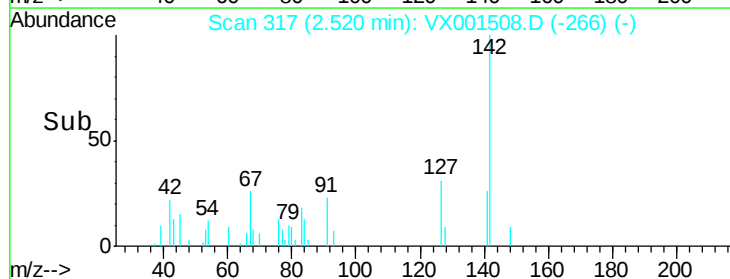
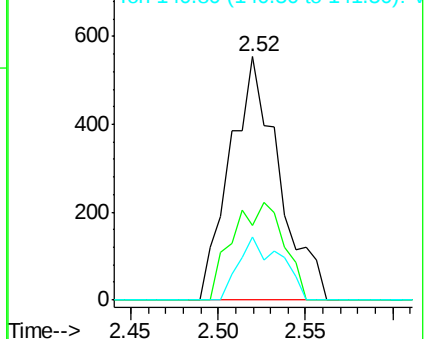
141 22.3 11.4 17.2#

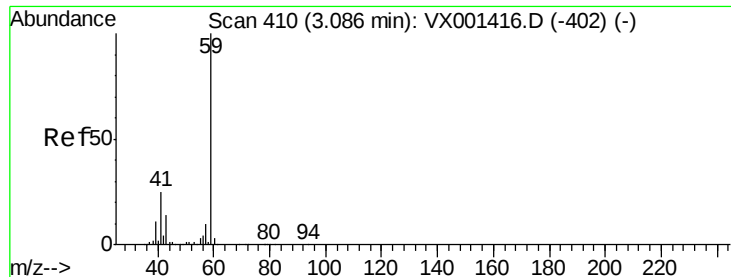


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

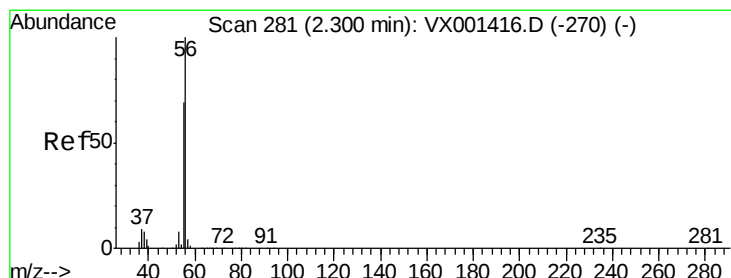
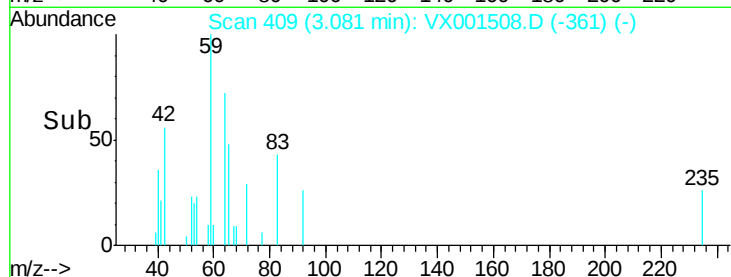
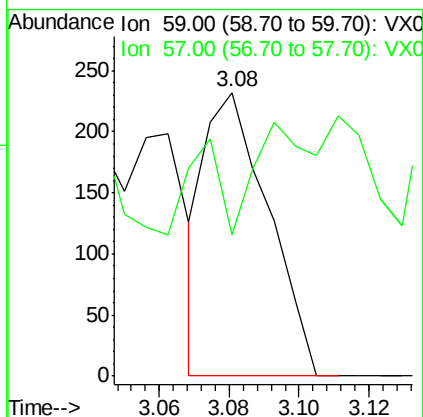
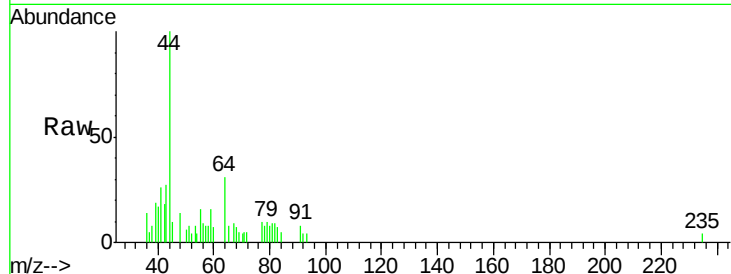




#11

Tert butyl alcohol
 Concen: 0.34 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX001508.D
 Acq: 08 May 2018 12:39

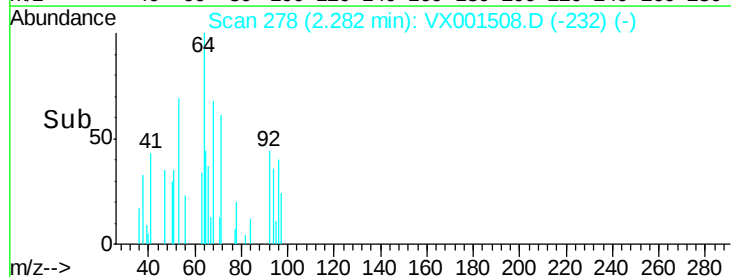
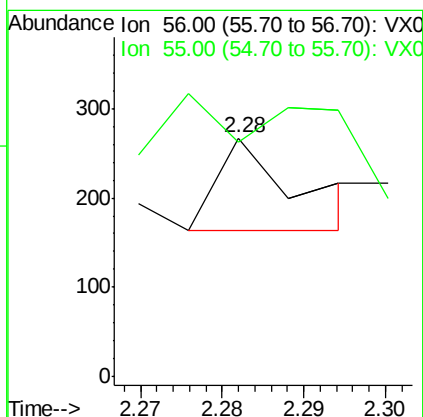
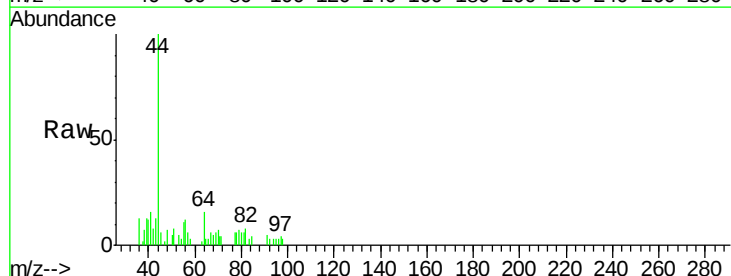
Tgt Ion: 59 Resp: 292
 Ion Ratio Lower Upper
 59 100
 57 16.4 8.2 12.4#

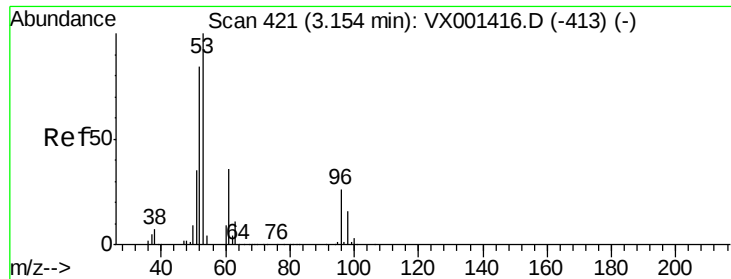


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 278
 Delta R.T. -0.02 min
 Lab File: VX001508.D
 Acq: 08 May 2018 12:39

Tgt Ion: 56 Resp: 71
 Ion Ratio Lower Upper
 56 100
 55 180.3 54.5 81.7#





#15

Acrylonitrile

Concen: 0.47 ug/l

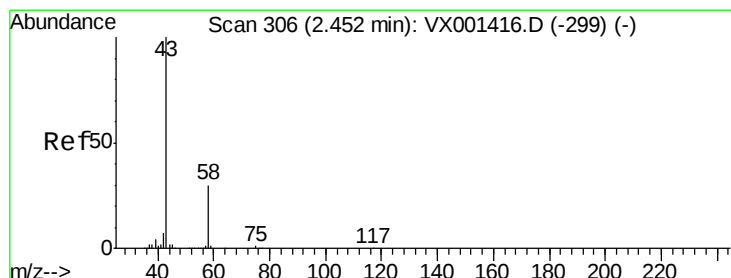
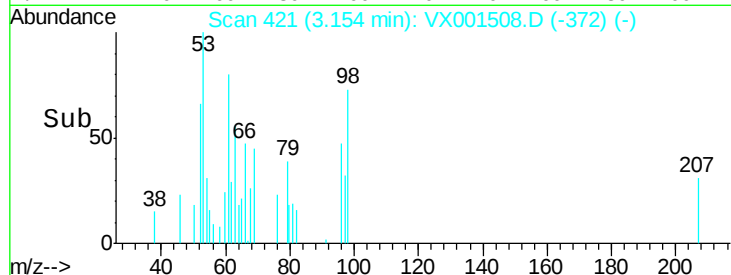
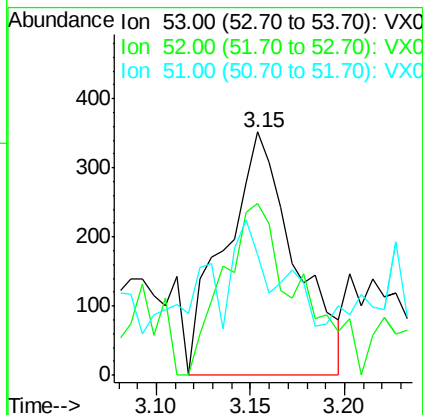
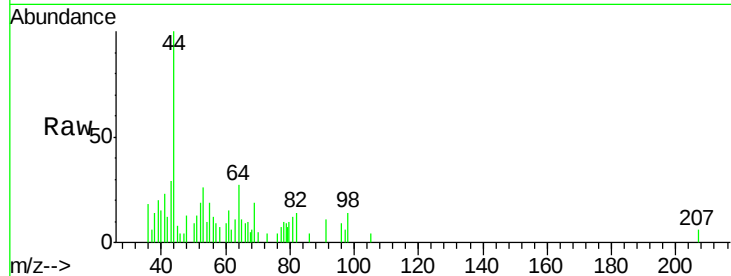
RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

Tgt Ion:	53	Resp:	905
Ion	Ratio	Lower	Upper
53	100		
52	75.6	66.2	99.2
51	28.1	28.6	43.0#



#16

Acetone

Concen: 5.64 ug/l

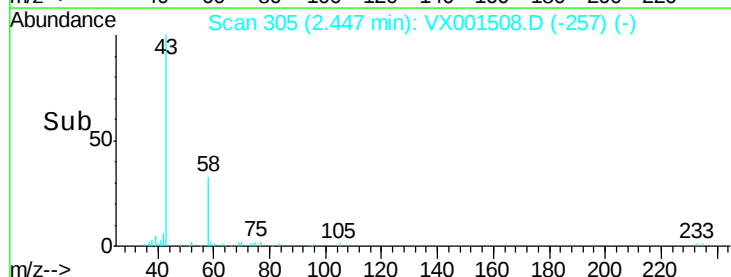
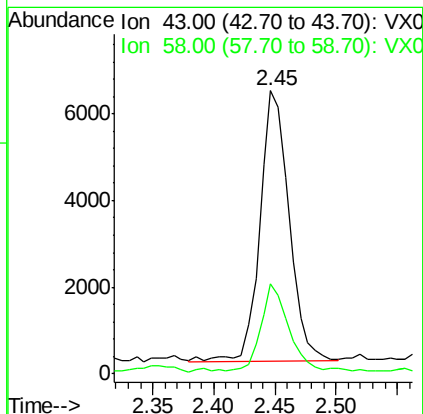
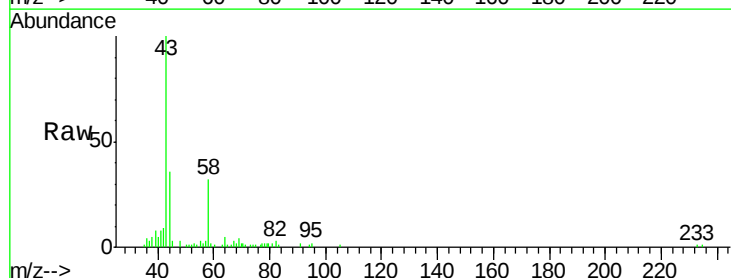
RT: 2.45 min Scan# 305

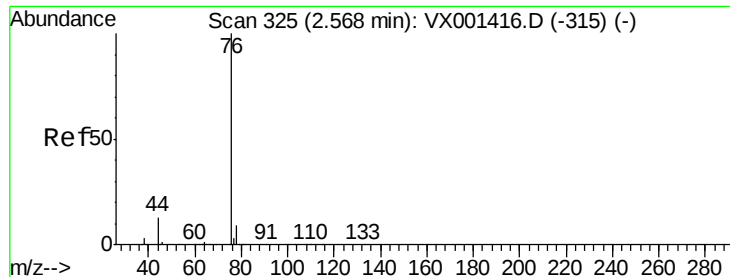
Delta R.T. -0.01 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

Tgt Ion:	43	Resp:	10394
Ion	Ratio	Lower	Upper
43	100		
58	32.4	23.8	35.8





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001508.D

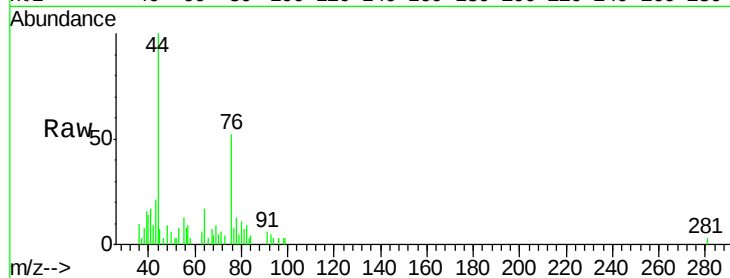
Acq: 08 May 2018 12:39

Tgt Ion: 76 Resp: 1812

Ion Ratio Lower Upper

76 100

78 17.2 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1200

1000

800

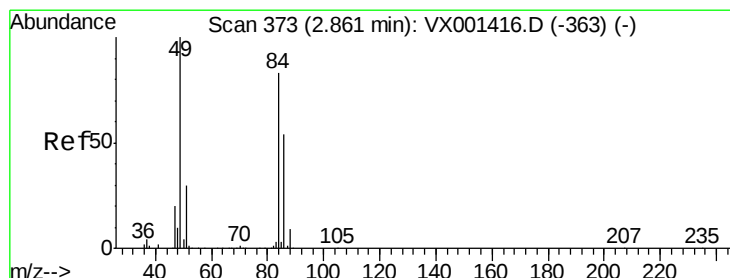
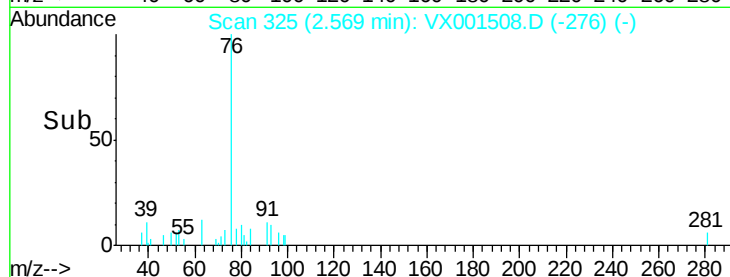
600

400

200

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.44 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

Tgt Ion: 84 Resp: 1623

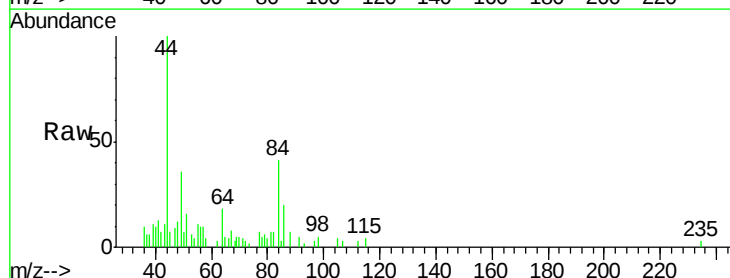
Ion Ratio Lower Upper

84 100

49 88.2 96.6 144.8#

51 32.0 29.0 43.4

86 49.3 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

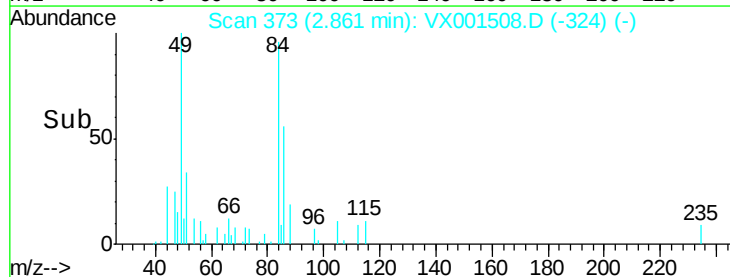
2.86

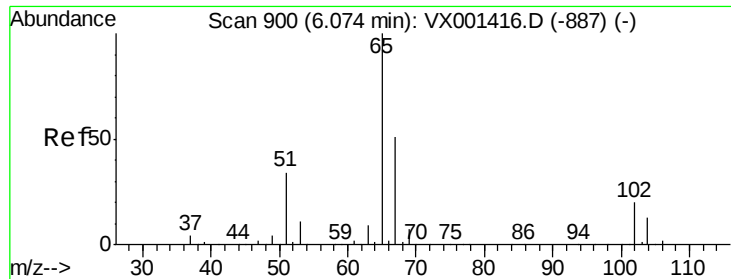
1000

500

0

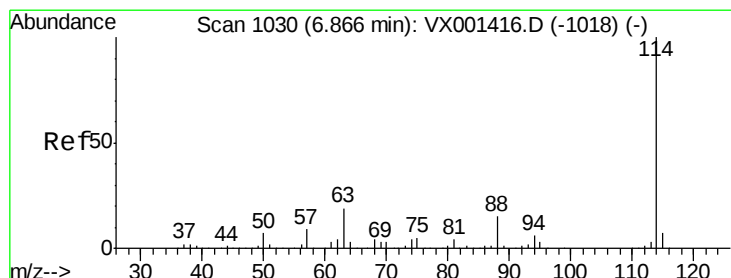
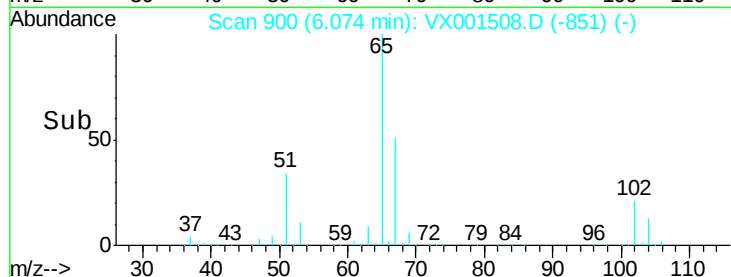
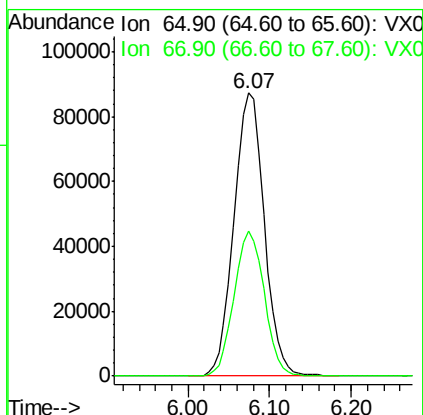
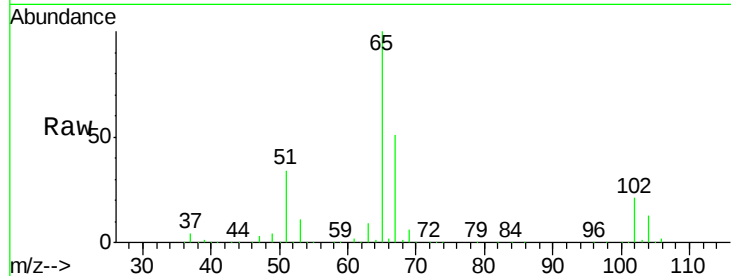
Time--> 2.75 2.80 2.85 2.90 2.95





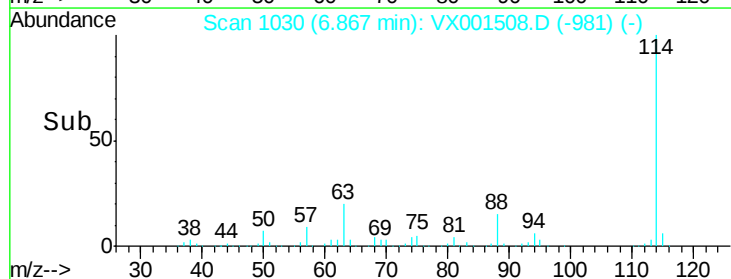
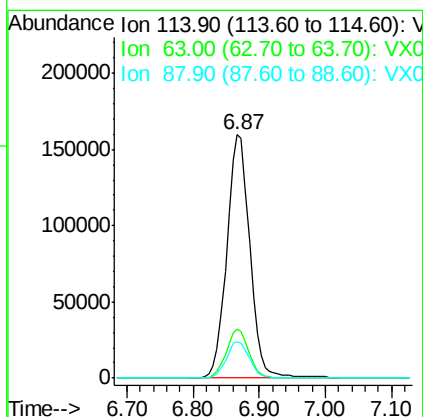
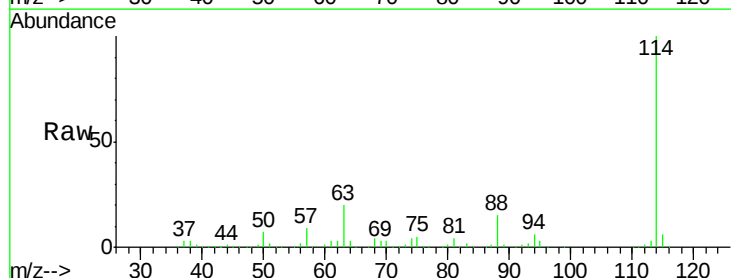
#33
 1,2-Dichloroethane-d4
 Concen: 55.50 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001508.D
 Acq: 08 May 2018 12:39

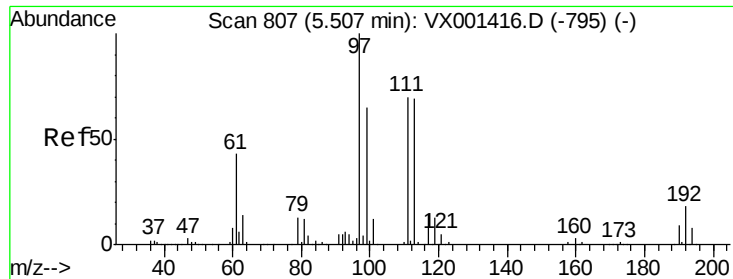
Tgt Ion: 65 Resp: 225197
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001508.D
 Acq: 08 May 2018 12:39

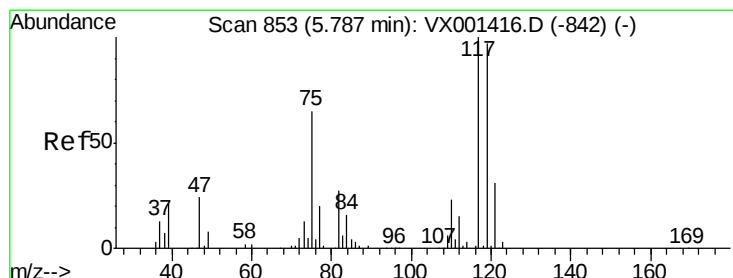
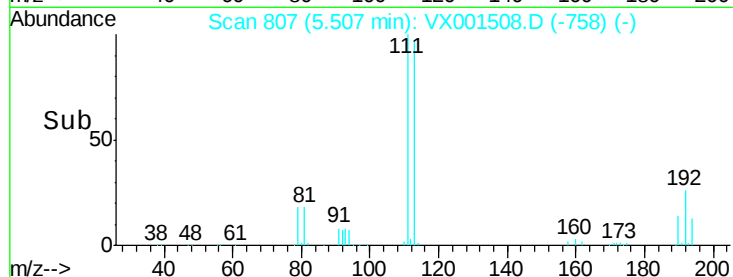
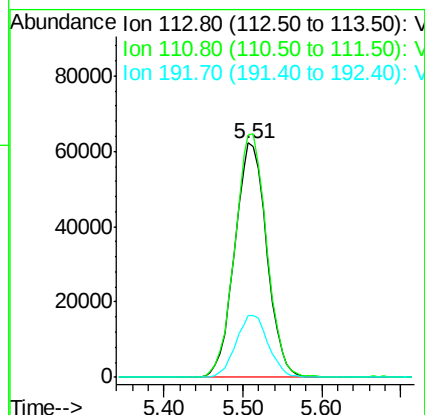
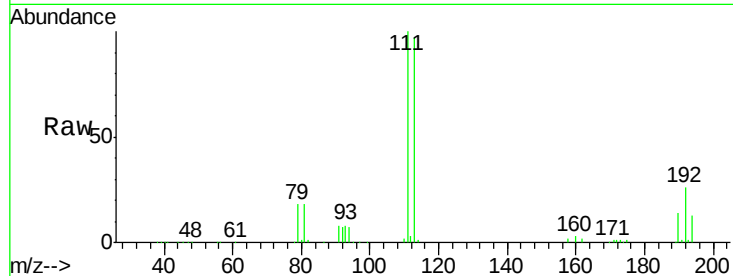
Tgt Ion: 114 Resp: 384750
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.6
 88 15.1 0.0 30.8





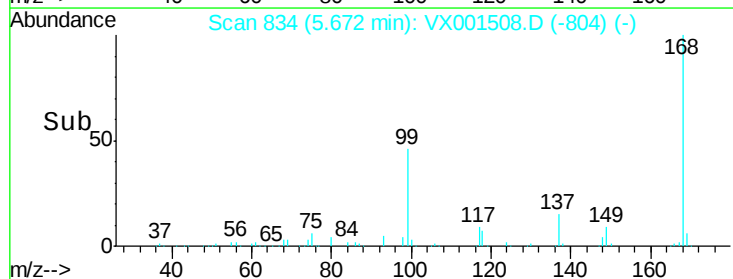
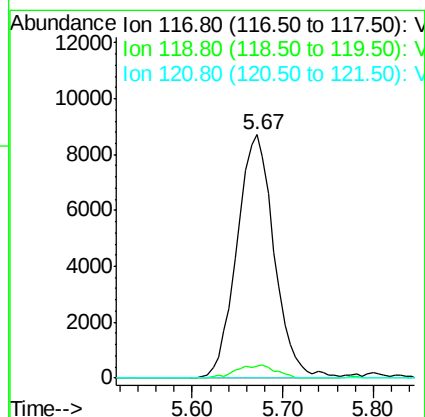
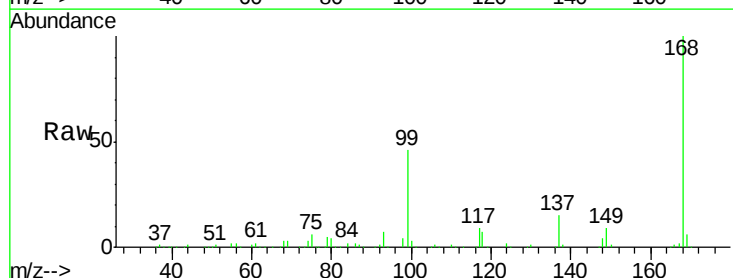
#35
 Dibromofluoromethane
 Concen: 51.39 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001508.D
 Acq: 08 May 2018 12:39

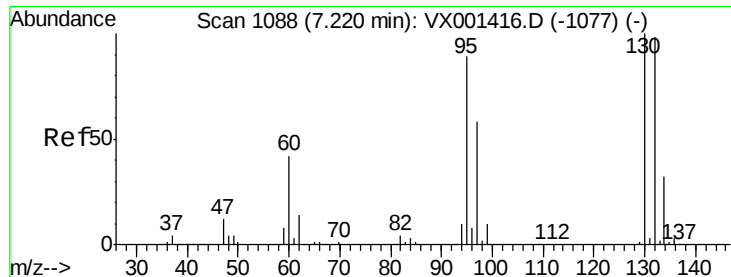
Tgt Ion:113 Resp: 175883
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 26.7 21.4 32.0



#38
 Carbon Tetrachloride
 Concen: 4.75 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001508.D
 Acq: 08 May 2018 12:39

Tgt Ion:117 Resp: 24815
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.0 115.6#
 121 0.0 25.1 37.7#





#44

Trichloroethene

Concen: 2.50 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001508.D

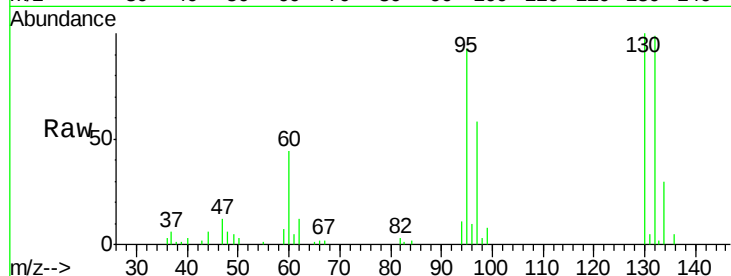
Acq: 08 May 2018 12:39

Tgt Ion: 130 Resp: 10934

Ion Ratio Lower Upper

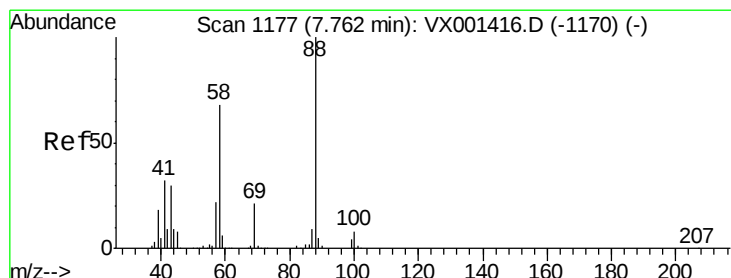
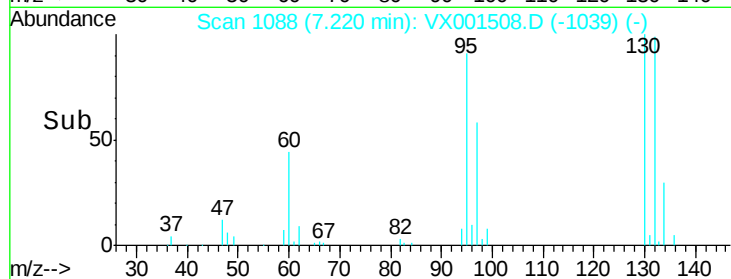
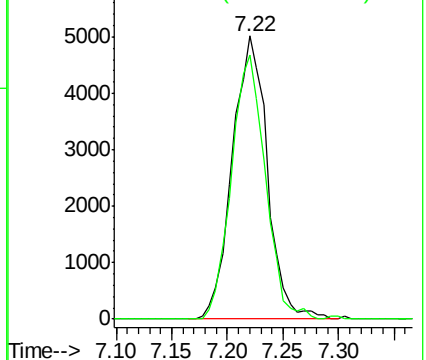
130 100

95 93.3 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.44 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

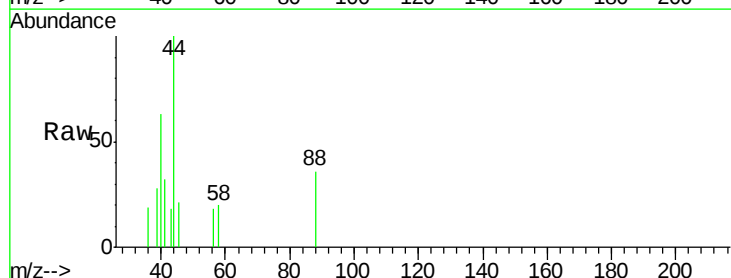
Tgt Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 82.9 26.4 39.6#

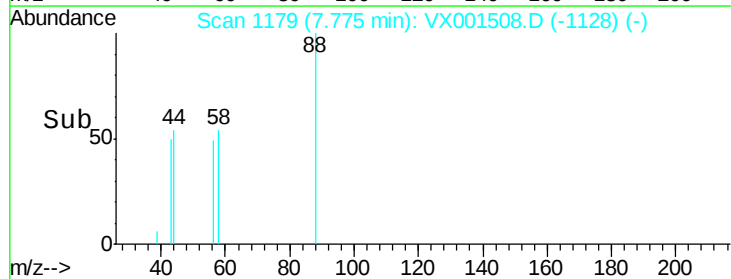
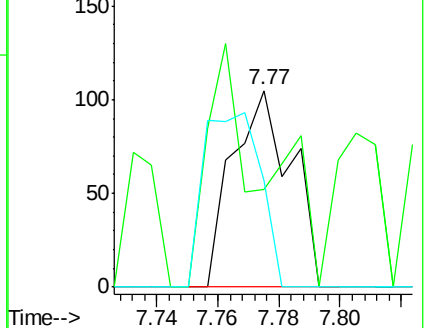
58 85.7 54.1 81.1#

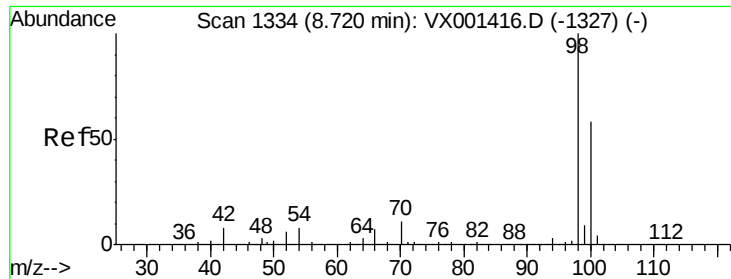


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.91 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001508.D

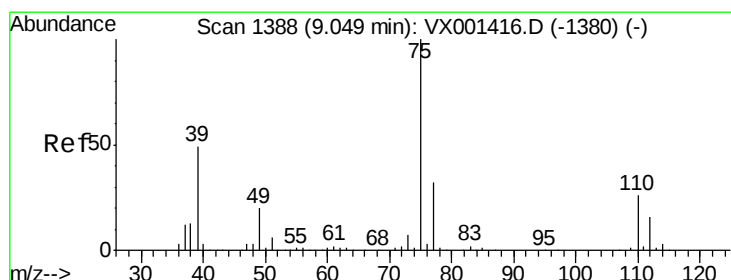
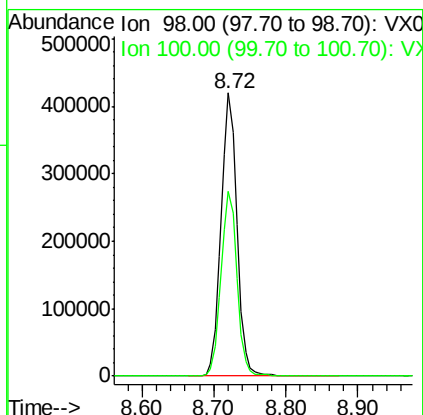
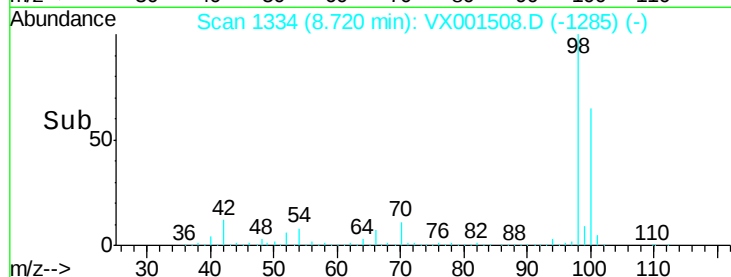
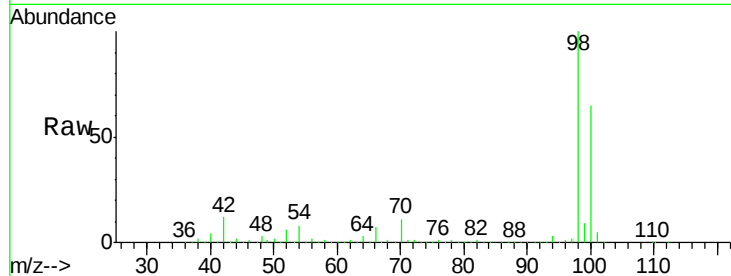
Acq: 08 May 2018 12:39

Tgt Ion: 98 Resp: 648430

Ion Ratio Lower Upper

98 100

100 65.3 54.0 81.0



#54

cis-1,3-Dichloropropene

Concen: 2.31 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

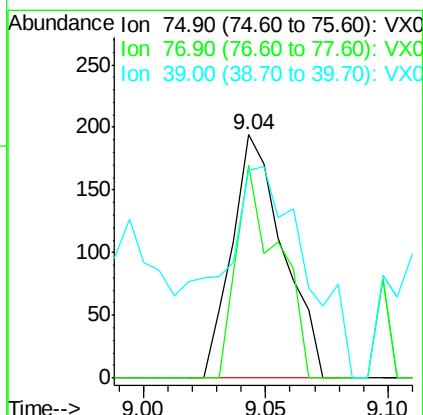
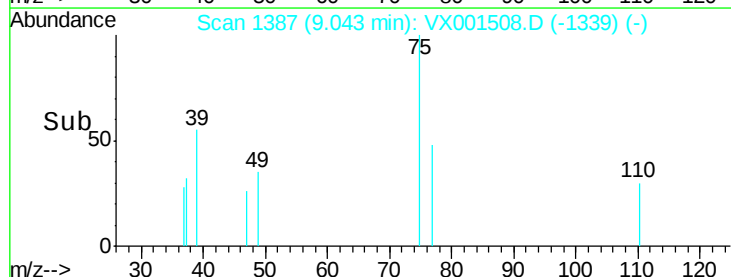
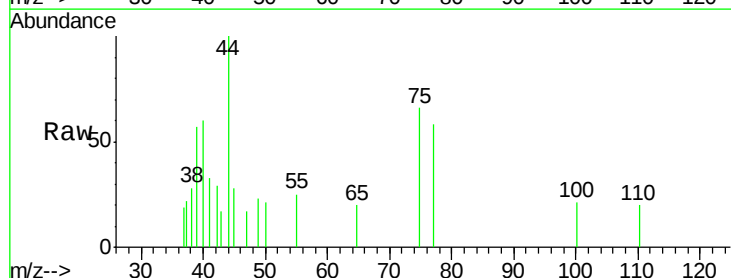
Tgt Ion: 75 Resp: 282

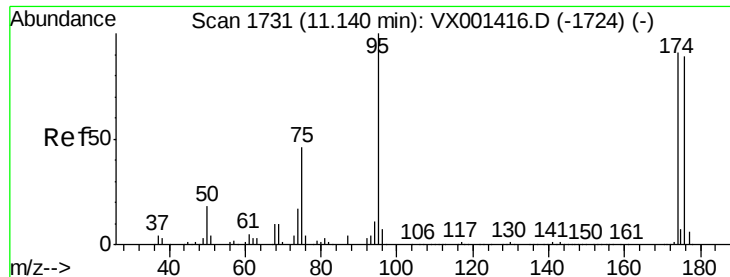
Ion Ratio Lower Upper

75 100

77 87.6 25.5 38.3#

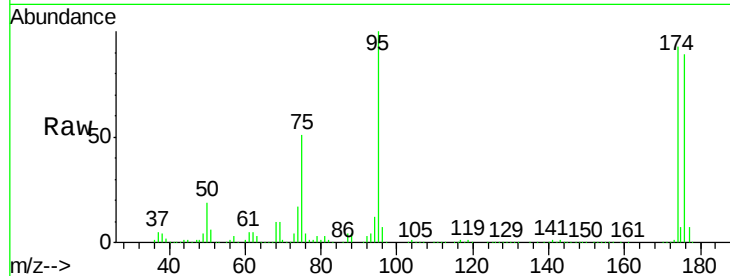
39 46.9 38.9 58.3



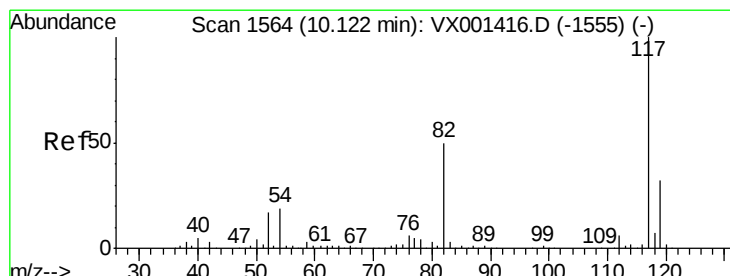
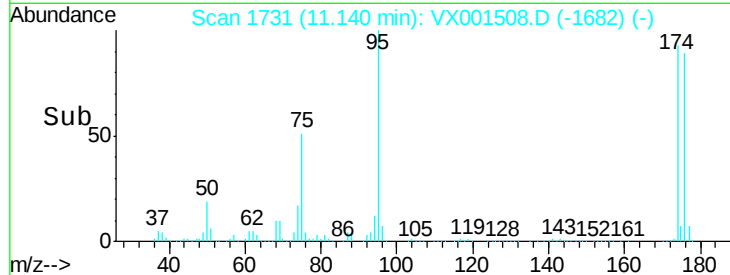
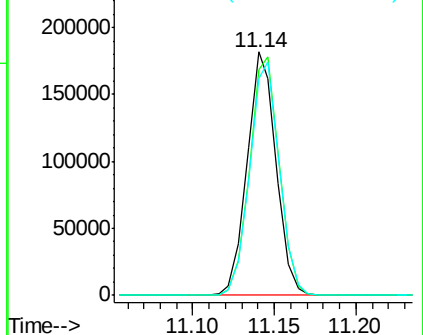


#62
4-Bromofluorobenzene
Concen: 46.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001508.D
Acq: 08 May 2018 12:39

Tgt Ion: 95 Resp: 224684
Ion Ratio Lower Upper
95 100
174 101.0 0.0 202.0
176 98.1 0.0 197.4

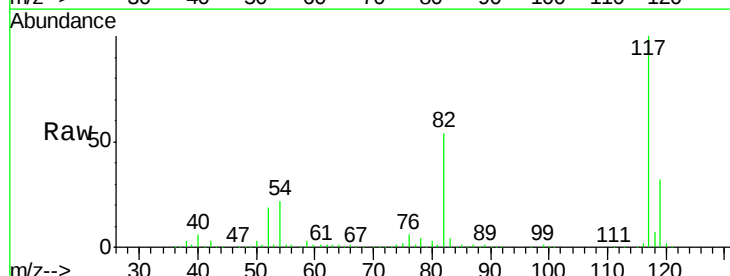


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

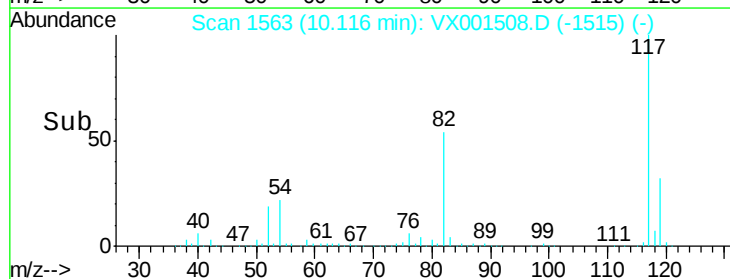
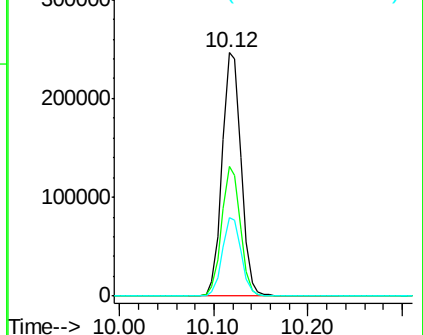


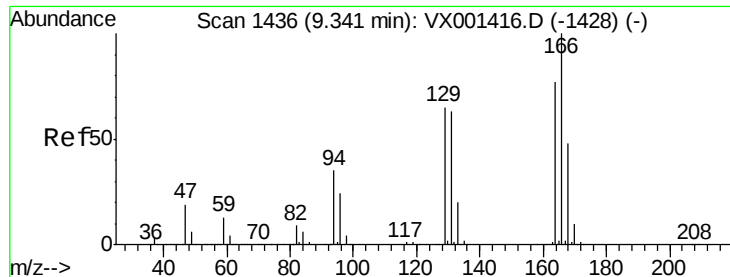
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001508.D
Acq: 08 May 2018 12:39

Tgt Ion: 117 Resp: 343859
Ion Ratio Lower Upper
117 100
82 53.5 40.0 60.0
119 32.3 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





#64

Tetrachloroethene

Concen: 0.34 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

Tgt Ion:164 Resp: 1634

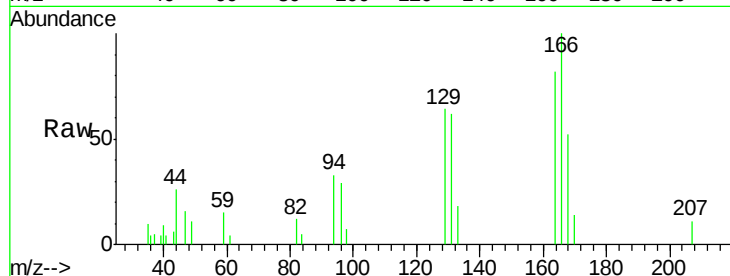
Ion Ratio Lower Upper

164 100

166 122.4 103.5 155.3

129 78.3 66.7 100.1

131 75.4 64.9 97.3

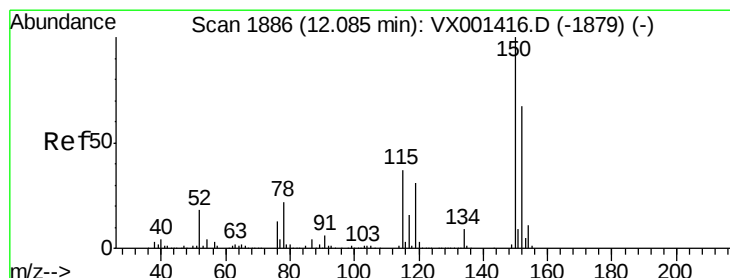
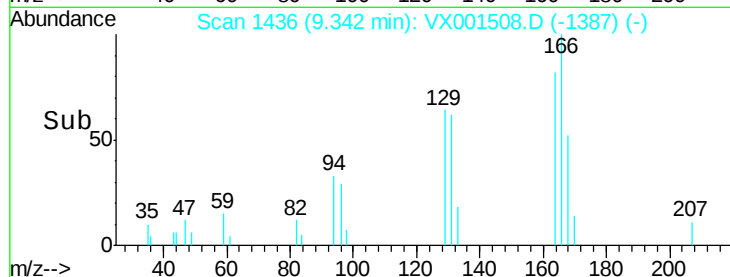
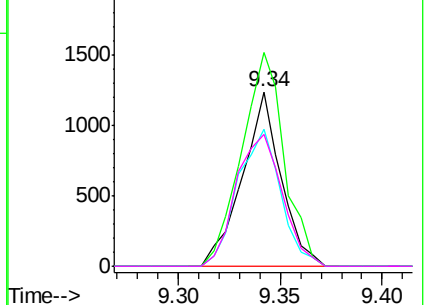


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX001508.D

Acq: 08 May 2018 12:39

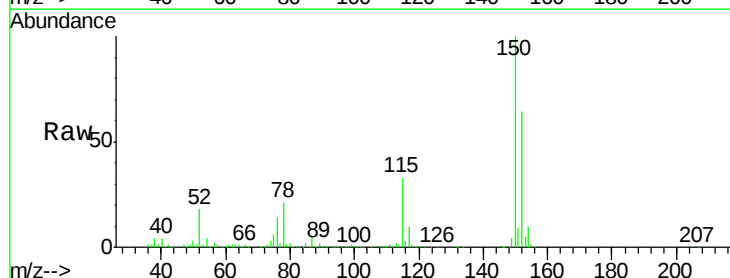
Tgt Ion:152 Resp: 204933

Ion Ratio Lower Upper

152 100

115 52.3 37.7 113.1

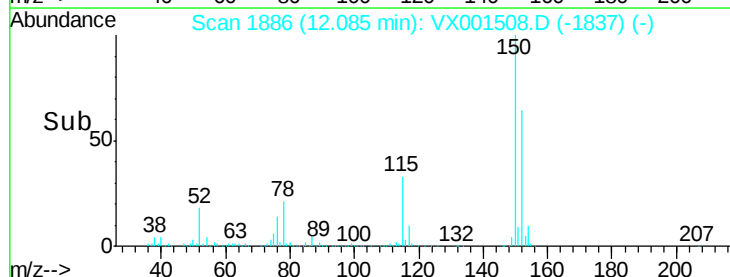
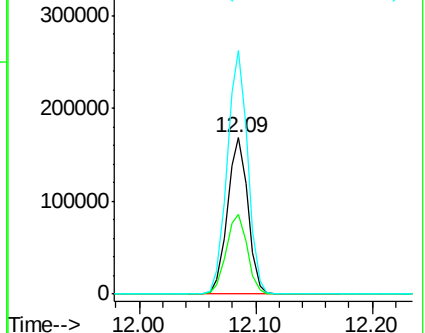
150 155.7 0.0 349.4

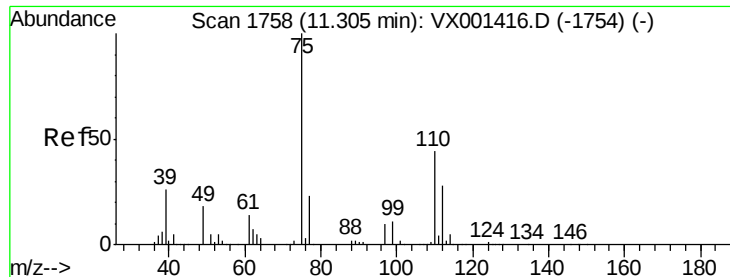


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001508.D

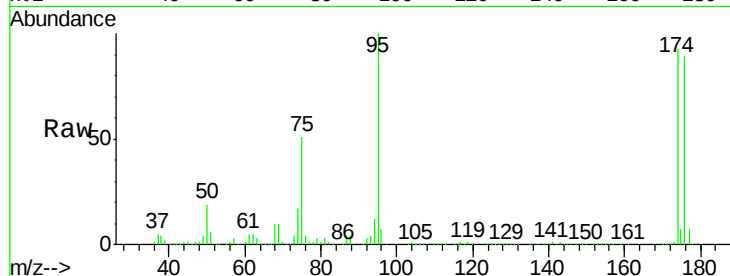
Acq: 08 May 2018 12:39

Tgt Ion: 75 Resp: 112722

Ion Ratio Lower Upper

75 100

77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

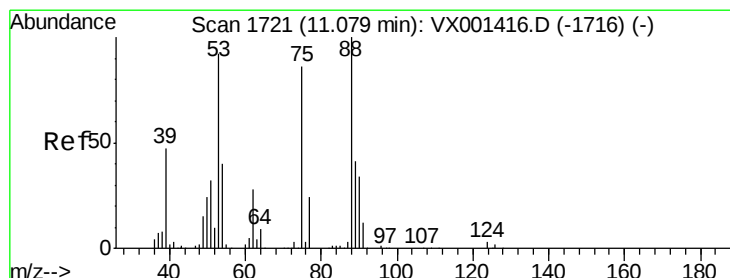
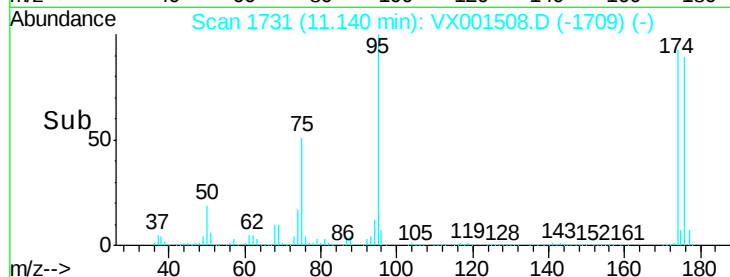
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 83.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

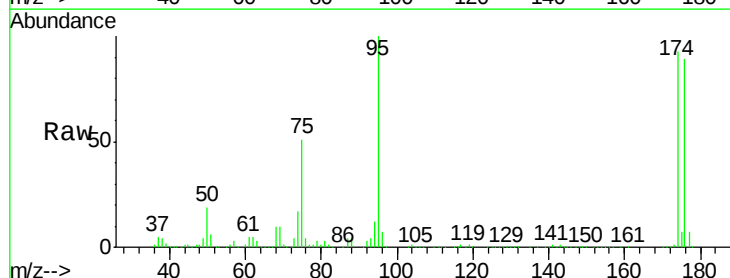
Tgt Ion: 75 Resp: 112722

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

11.14

120000

100000

80000

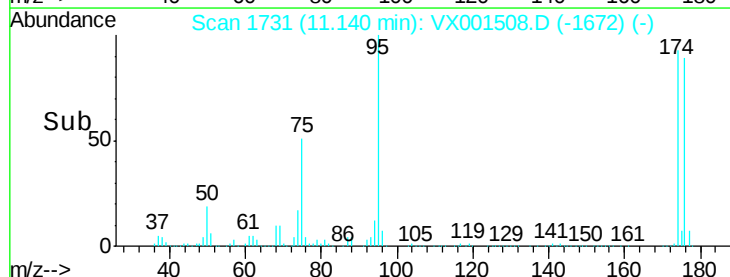
60000

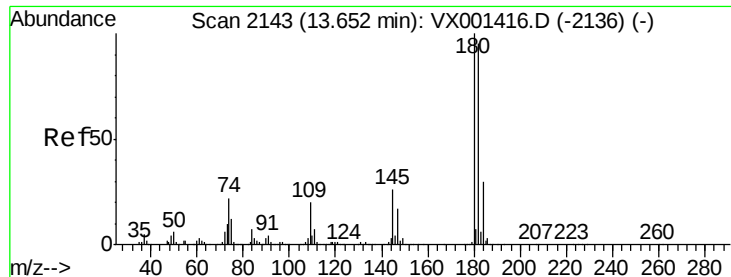
40000

20000

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 0.24 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001508.D

Acq: 08 May 2018 12:39

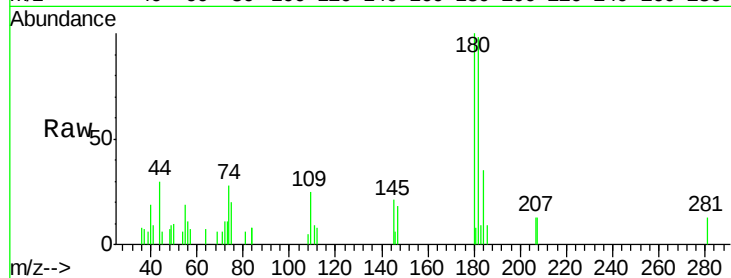
Tgt Ion:180 Resp: 1294

Ion Ratio Lower Upper

180 100

182 86.6 47.8 143.4

145 19.2 13.3 39.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

