

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001190.D
 Acq On : 28 Apr 2018 00:34
 Operator : JC/MD
 Sample : J2507-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB10-180419

Quant Time: Apr 28 03:16:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	197798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	267437	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	129634	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	155038	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	5.51	113	120996	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
50) Toluene-d8	8.72	98	457231	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	11.14	95	152499	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

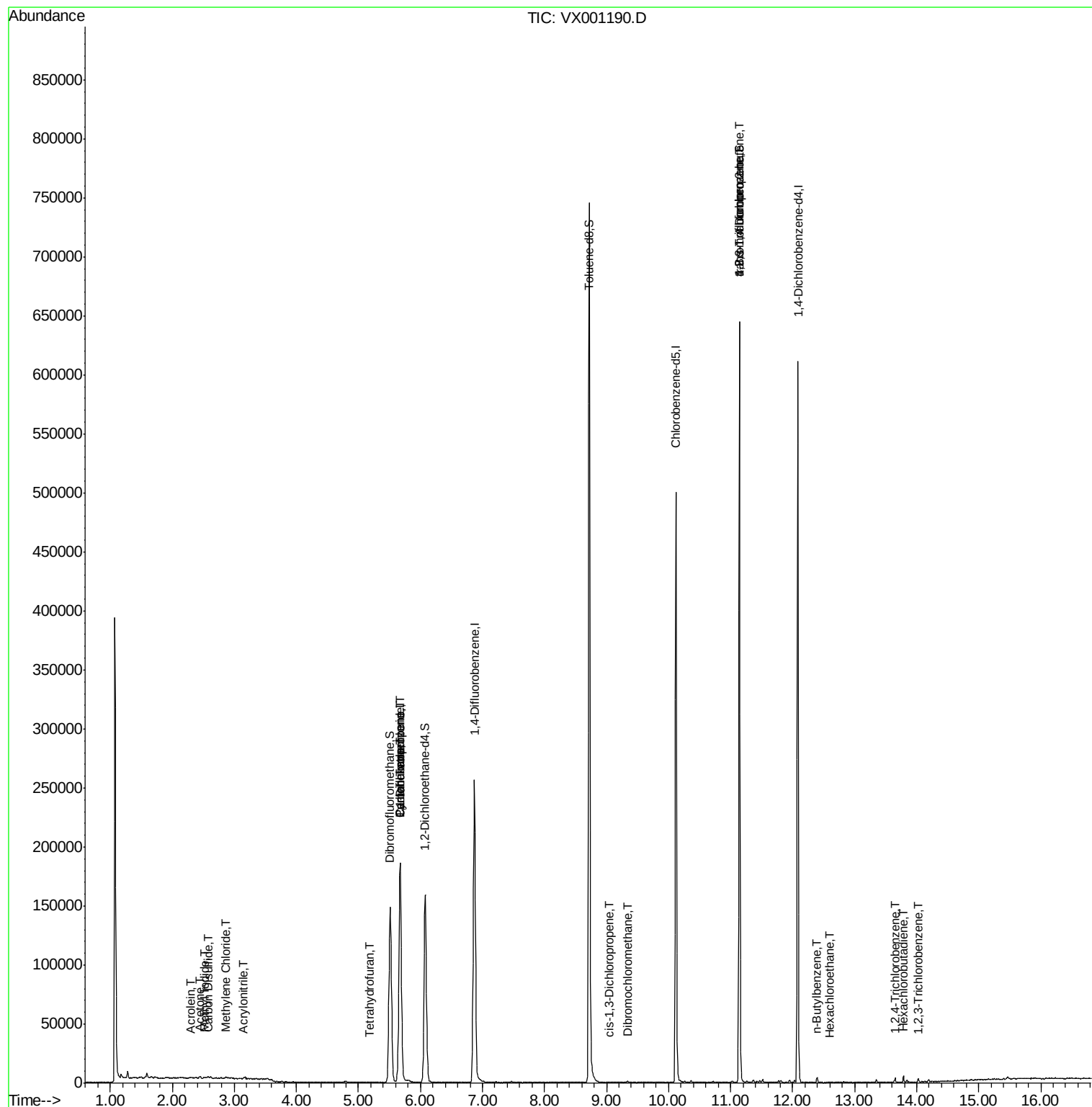
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	477	Below Cal		82
10) Methyl Iodide	2.51	142	395	7.397	ug/l #	83
13) Acrolein	2.31	56	192	0.840	ug/l #	51
15) Acrylonitrile	3.15	53	668	0.517	ug/l #	74
16) Acetone	2.45	43	1632	1.294	ug/l	97
17) Carbon Disulfide	2.57	76	1336	0.262	ug/l #	91
20) Methylene Chloride	2.87	84	616	0.262	ug/l #	76
29) Tetrahydrofuran	5.18	42	252	0.208	ug/l	92
31) Cyclohexane	5.67	56	3925	1.204	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	12489	4.238	ug/l #	48
38) Carbon Tetrachloride	5.67	117	16627	5.502	ug/l #	16
54) cis-1,3-Dichloropropene	9.06	75	158	3.228	ug/l #	43
60) Dibromochloromethane	9.35	129	215	3.419	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	78951	29.909	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	78951	90.443	ug/l #	6
89) n-Butylbenzene	12.39	91	1396	0.208	ug/l	92
90) Hexachloroethane	12.60	117	66	3.426	ug/l #	39
93) 1,2,4-Trichlorobenzene	13.65	180	919	0.258	ug/l	97
94) Hexachlorobutadiene	13.79	225	779	0.465	ug/l	86
96) 1,2,3-Trichlorobenzene	14.03	180	930	0.262	ug/l	89

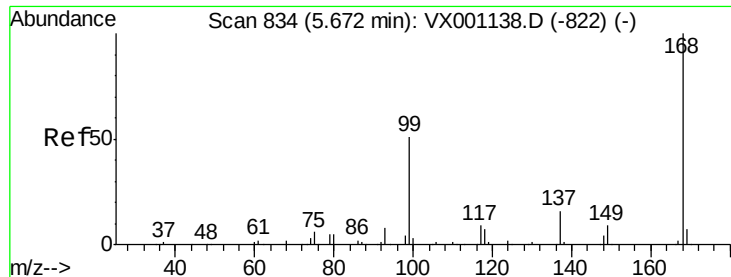
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

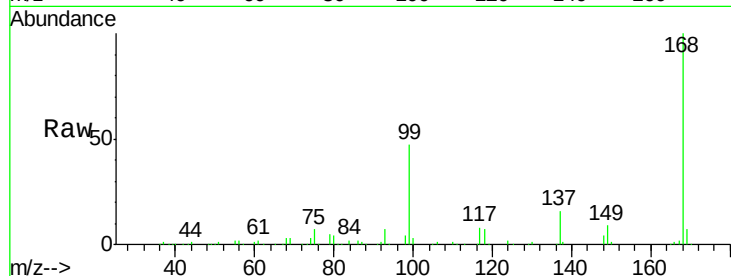
Z1TB10-180419

Tgt Ion:168 Resp: 197798

Ion Ratio Lower Upper

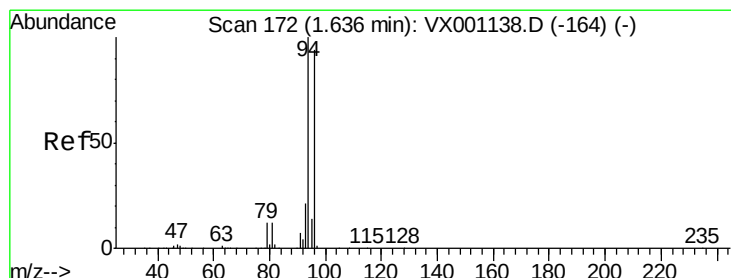
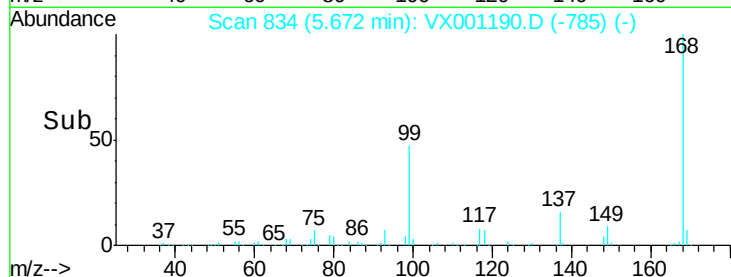
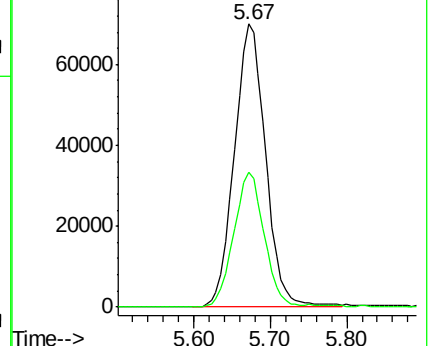
168 100

99 47.5 40.6 60.8



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: VX001190.D

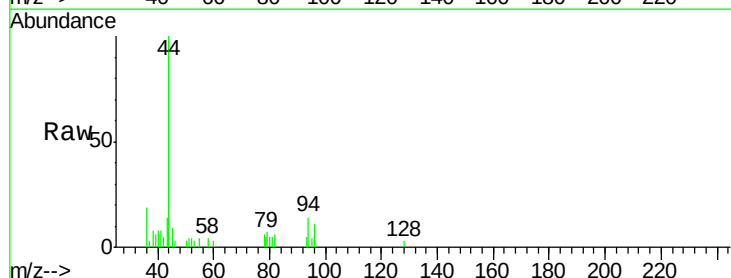
Acq: 28 Apr 2018 00:34

Tgt Ion: 94 Resp: 477

Ion Ratio Lower Upper

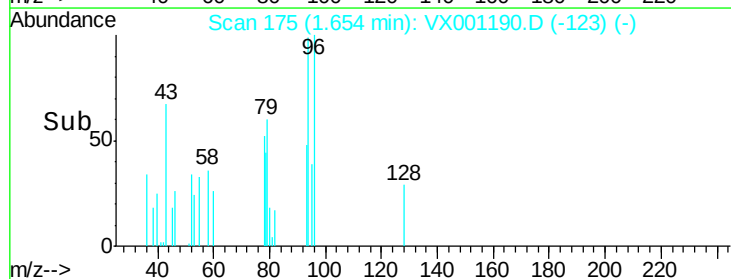
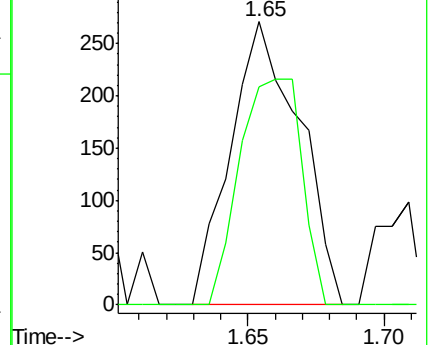
94 100

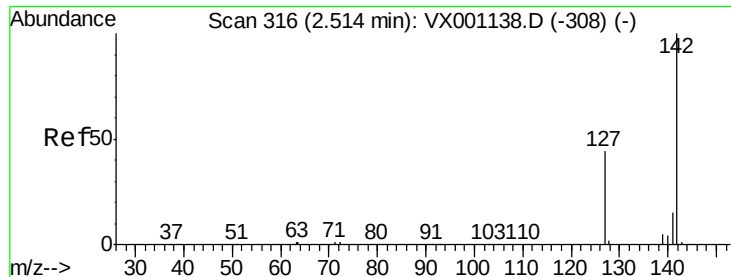
96 77.1 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

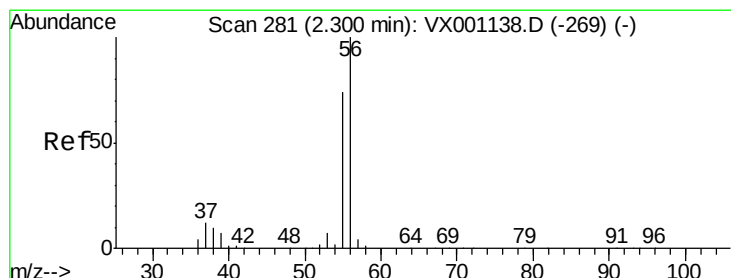
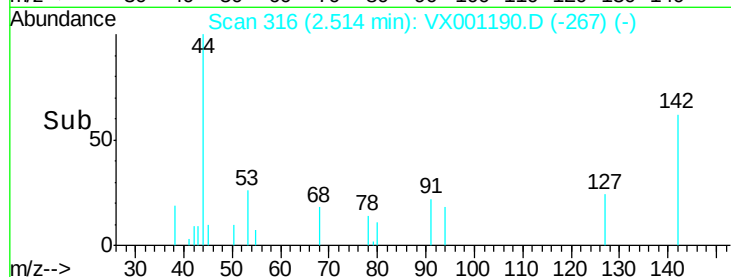
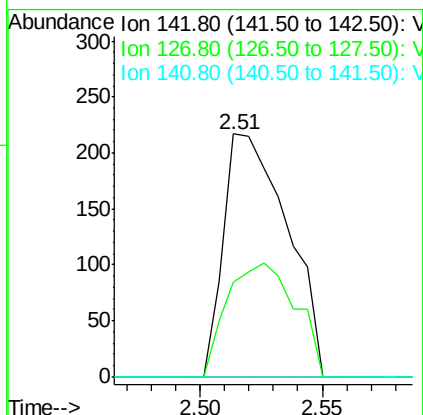
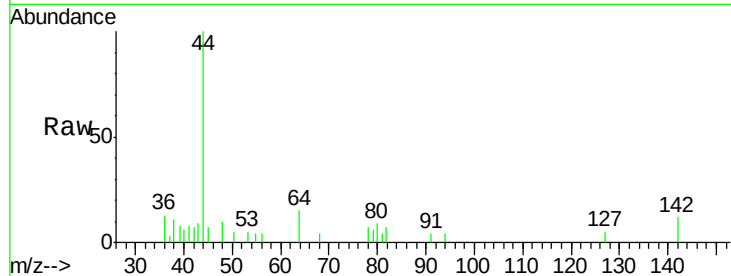




#10
Methyl Iodide
Concen: 7.397 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001190.D
Acq: 28 Apr 2018 00:34

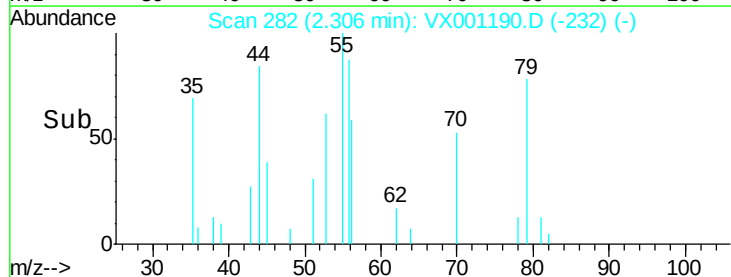
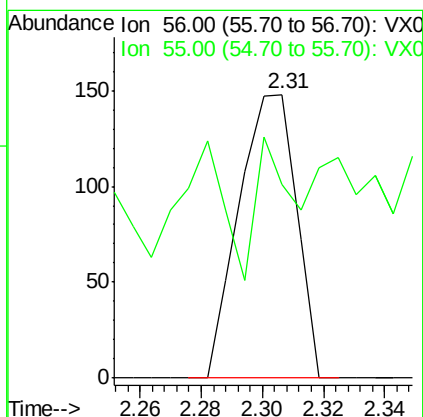
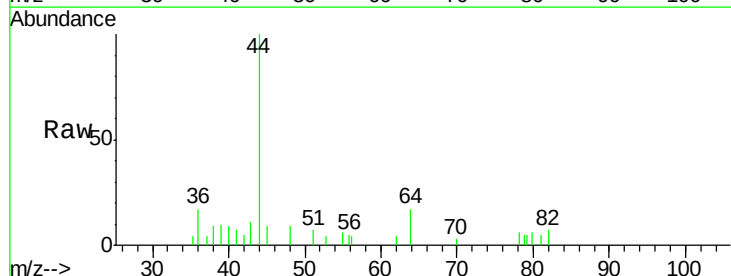
Instrument :
MSVOA_X
ClientSampleId :
Z1TB10-180419

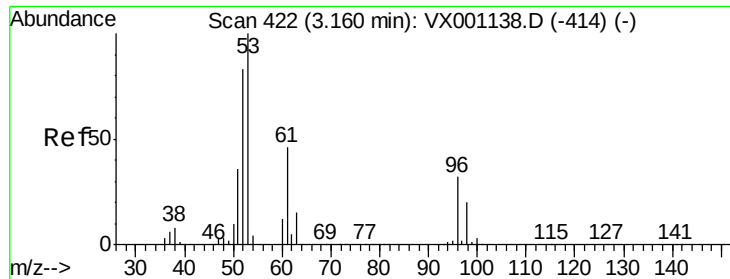
Tgt Ion: 142 Resp: 395
Ion Ratio Lower Upper
142 100
127 50.1 34.7 52.1
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 0.840 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001190.D
Acq: 28 Apr 2018 00:34

Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 30.7 57.2 85.8#

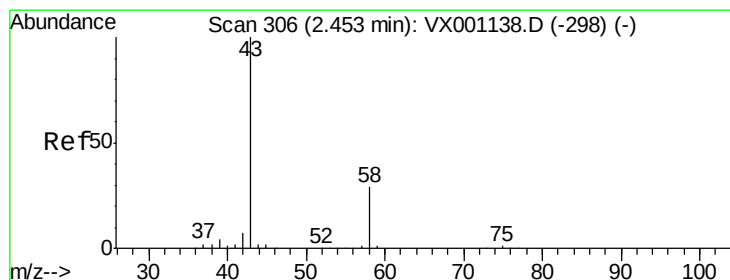
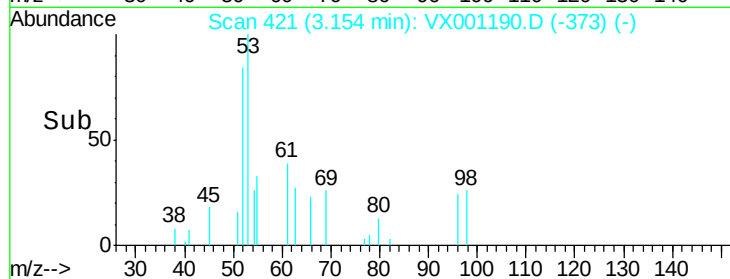
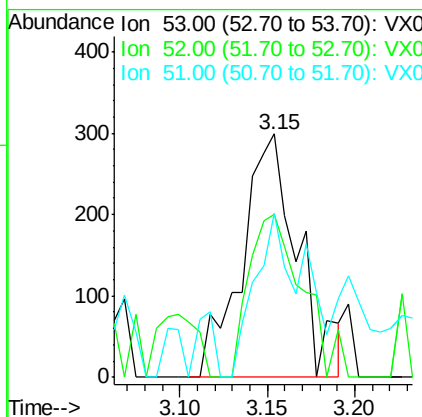
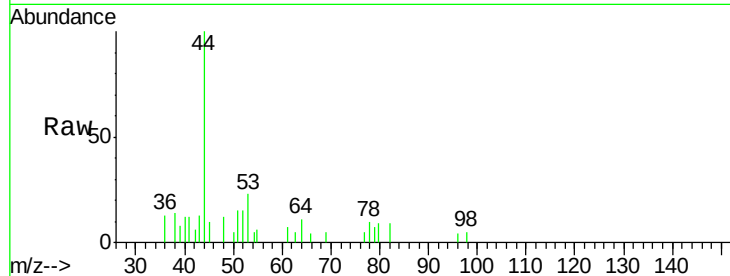




#15
 Acrylonitrile
 Concen: 0.517 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

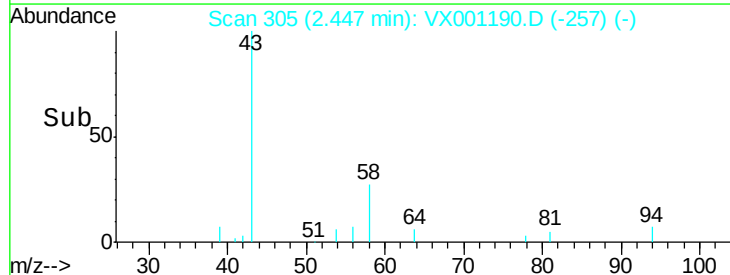
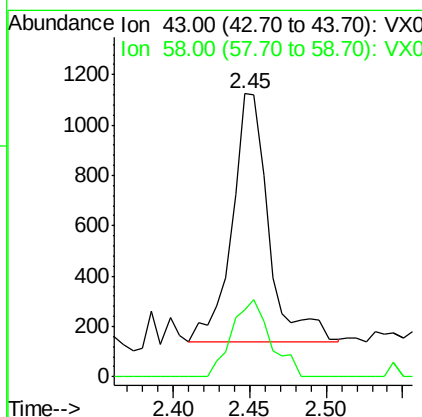
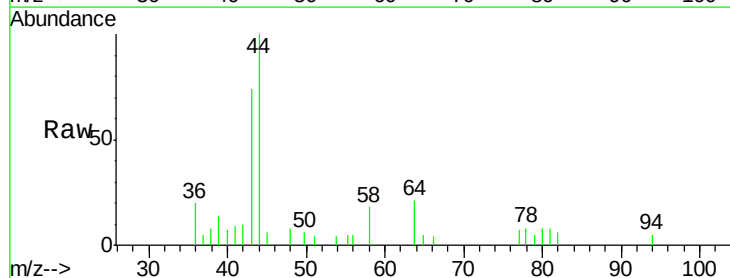
Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB10-180419

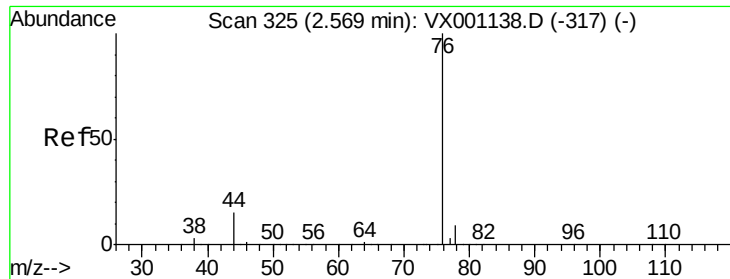
Tgt Ion: 53 Resp: 668
 Ion Ratio Lower Upper
 53 100
 52 64.2 66.5 99.7#
 51 59.4 29.5 44.3#



#16
 Acetone
 Concen: 1.294 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

Tgt Ion: 43 Resp: 1632
 Ion Ratio Lower Upper
 43 100
 58 27.2 23.0 34.6





#17

Carbon Disulfide

Concen: 0.262 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

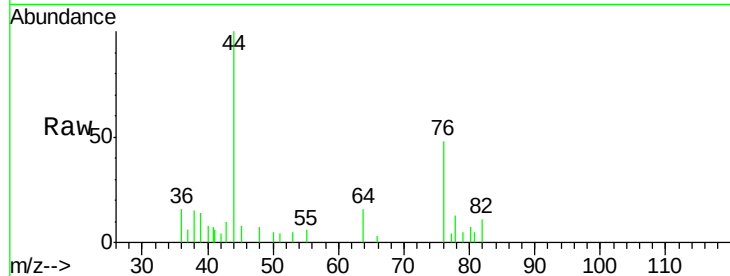
Z1TB10-180419

Tgt Ion: 76 Resp: 1336

Ion Ratio Lower Upper

76 100

78 12.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

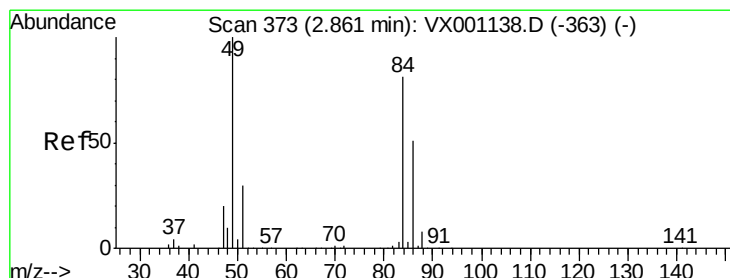
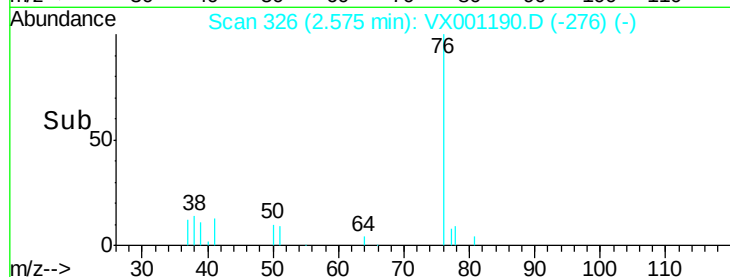
600

400

200

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Tgt Ion: 84 Resp: 616

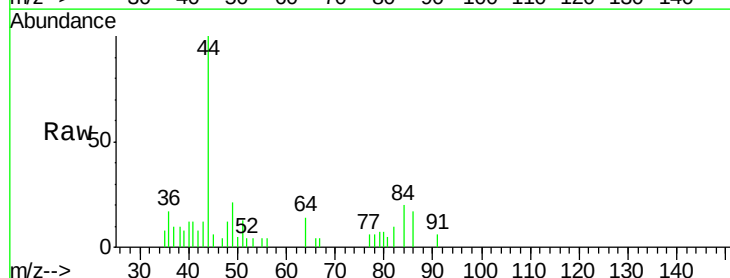
Ion Ratio Lower Upper

84 100

49 105.6 99.2 148.8

51 62.7 29.5 44.3#

86 85.6 50.2 75.2#



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

500

400

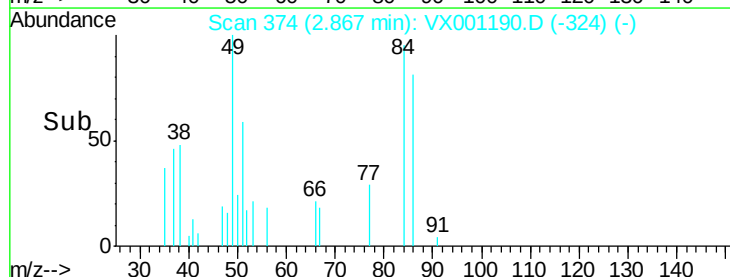
300

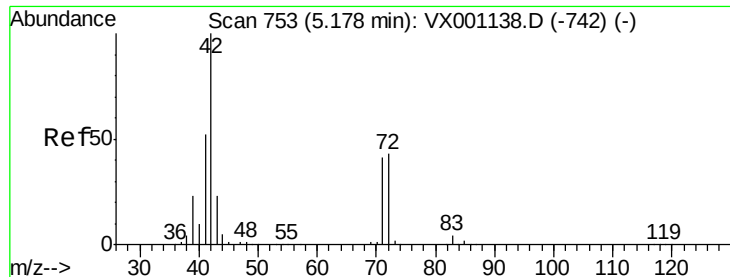
200

100

0

Time--> 2.80 2.85 2.90





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

Z1TB10-180419

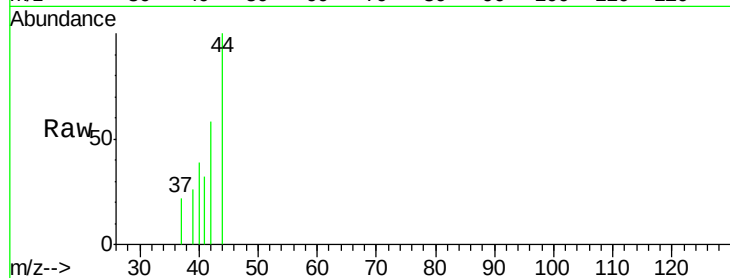
Tgt Ion: 42 Resp: 252

Ion Ratio Lower Upper

42 100

72 37.7 34.4 51.6

71 35.3 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->

5.18

150

100

50

0

5.14 5.16 5.18

250

200

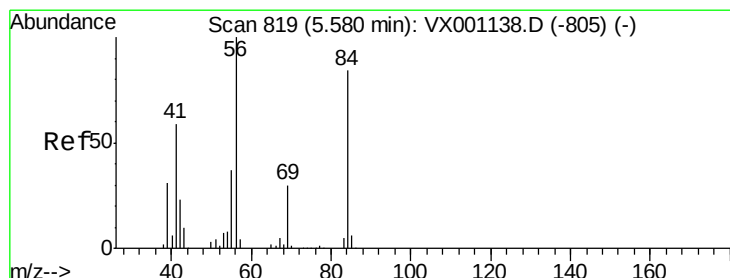
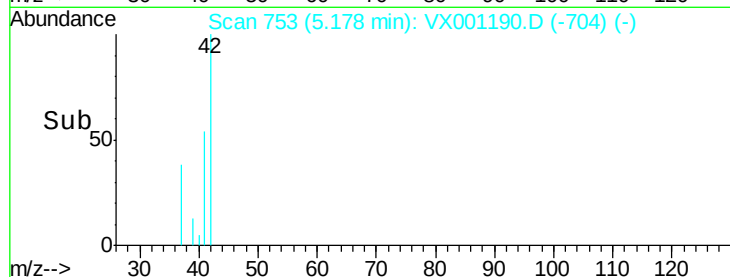
150

100

50

0

5.14 5.16 5.18



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

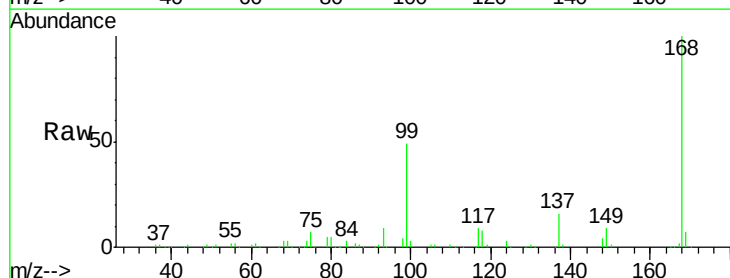
Tgt Ion: 56 Resp: 3925

Ion Ratio Lower Upper

56 100

69 136.0 24.2 36.2#

84 118.2 67.5 101.3#



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

Time-->

5.67

2500

2000

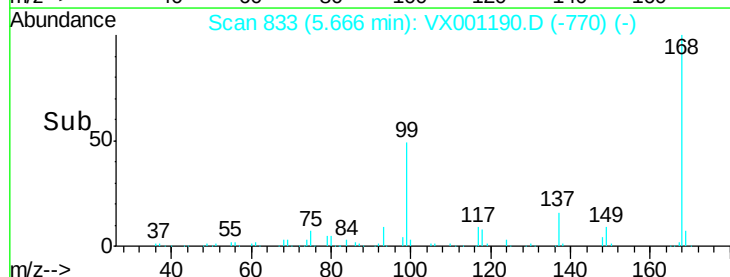
1500

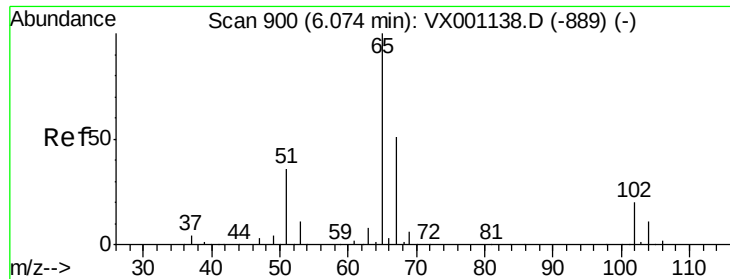
1000

500

0

5.60 5.70 5.80

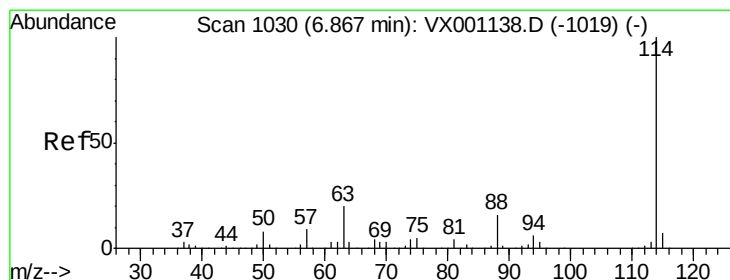
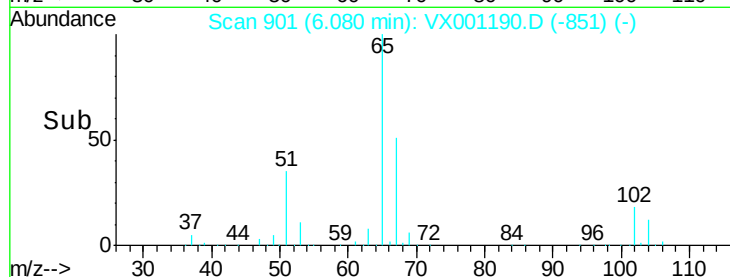
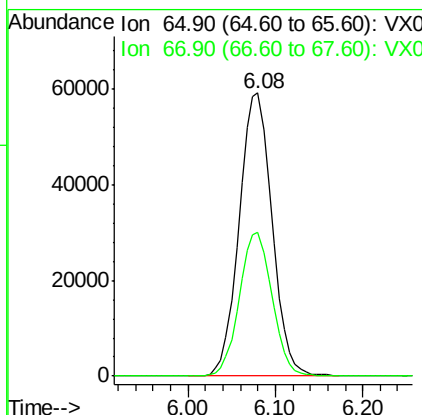
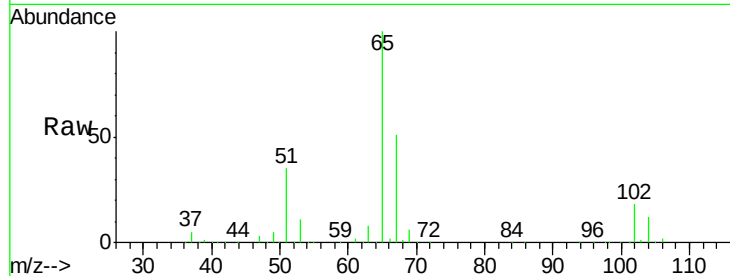




#33
 1,2-Dichloroethane-d4
 Concen: 50.565 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

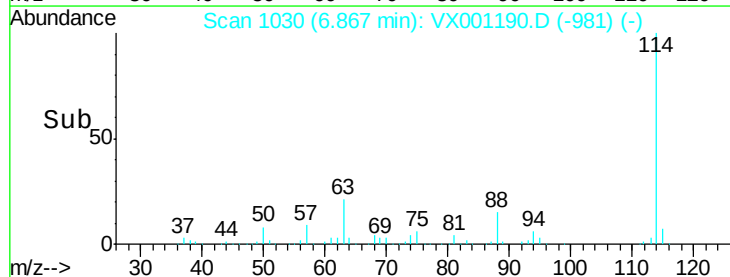
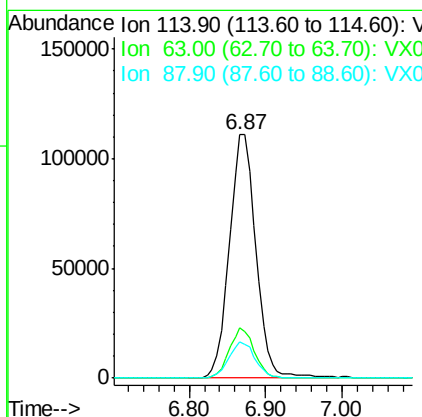
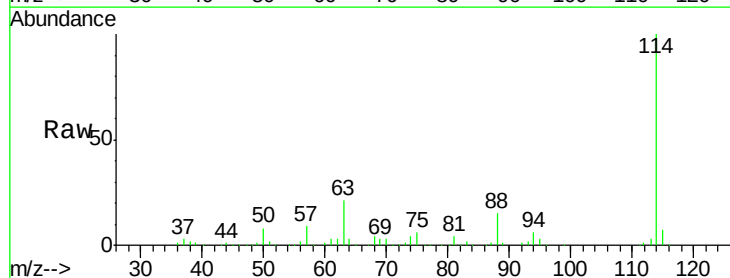
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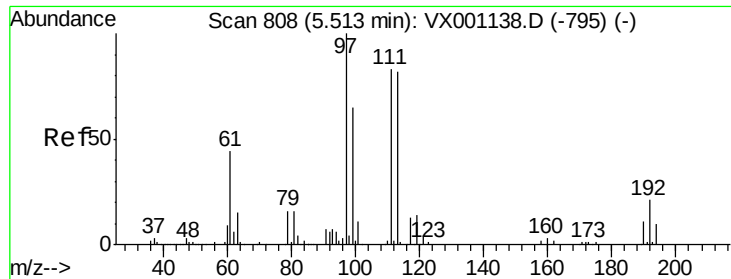
Tgt Ion: 65 Resp: 155038
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

Tgt Ion: 114 Resp: 267437
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.4
 88 14.9 0.0 31.8

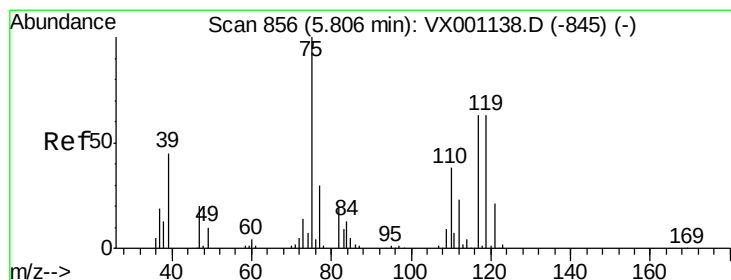
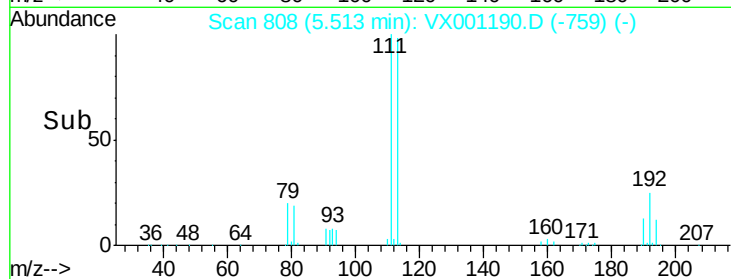
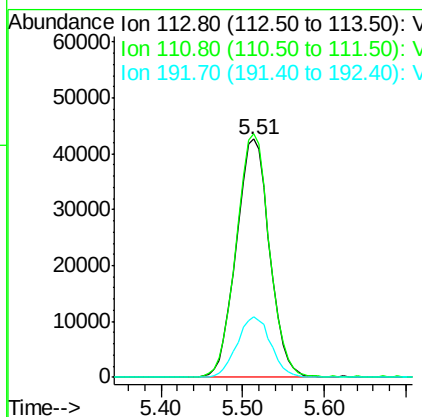
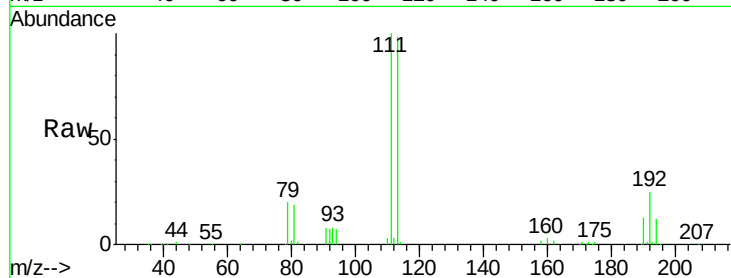




#35
 Dibromofluoromethane
 Concen: 54.661 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

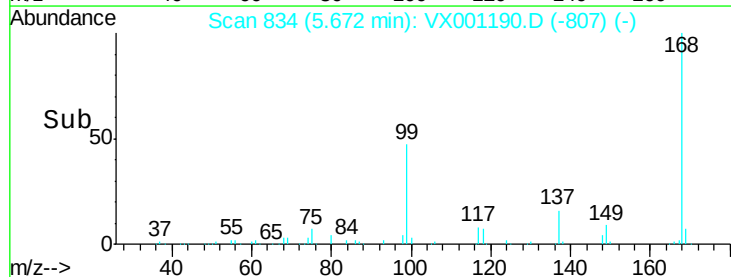
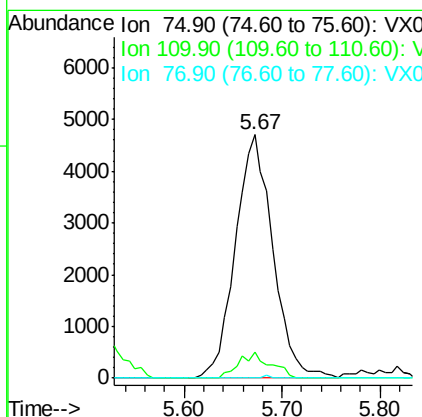
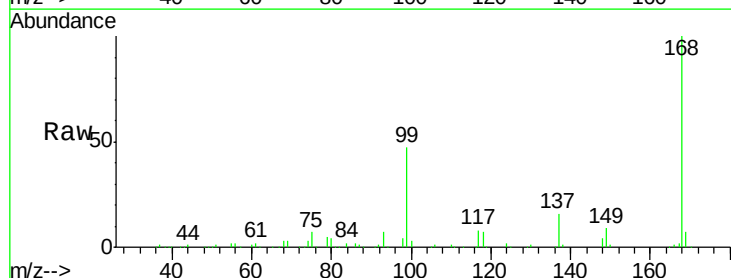
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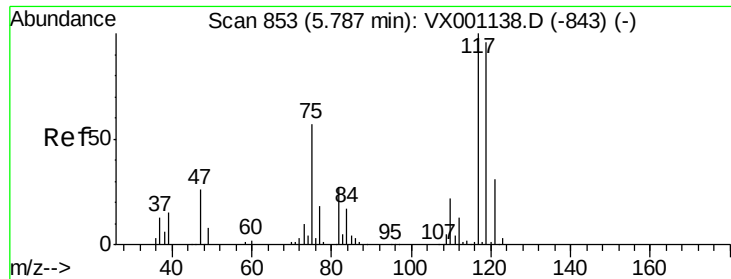
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	25.6	20.6	30.8



#36
 1,1-Dichloropropene
 Concen: 4.238 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.0	57.0#
77	0.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.502 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

Z1TB10-180419

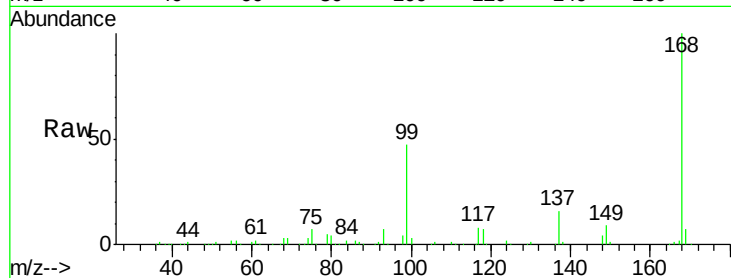
Tgt Ion:117 Resp: 16627

Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

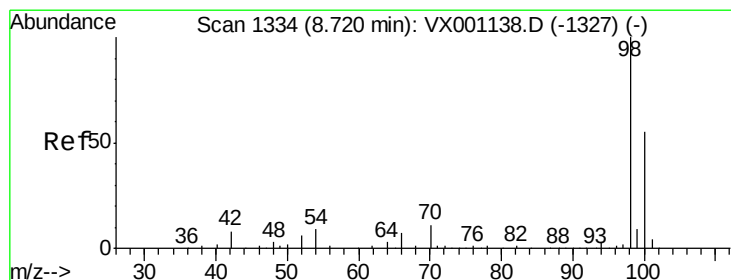
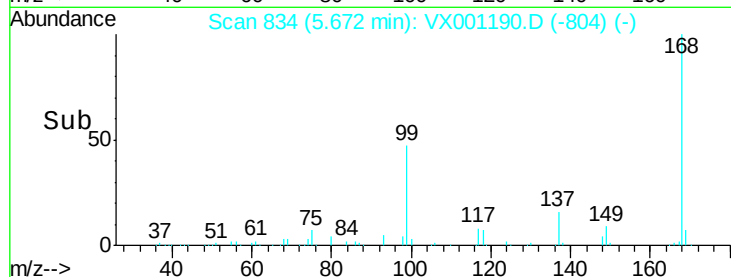
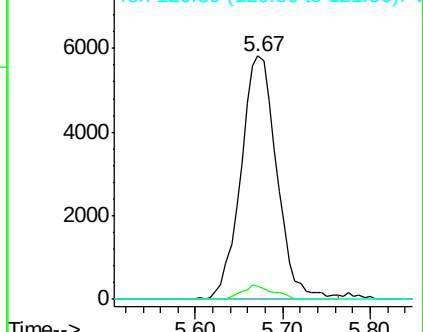
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 54.734 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001190.D

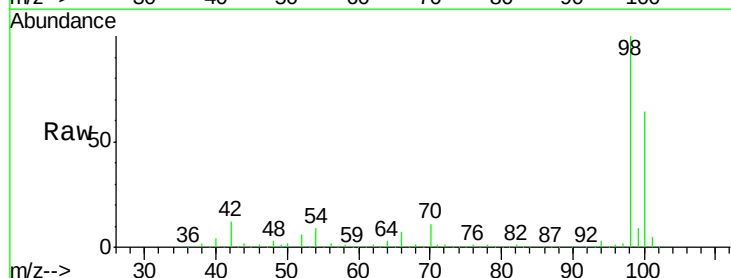
Acq: 28 Apr 2018 00:34

Tgt Ion: 98 Resp: 457231

Ion Ratio Lower Upper

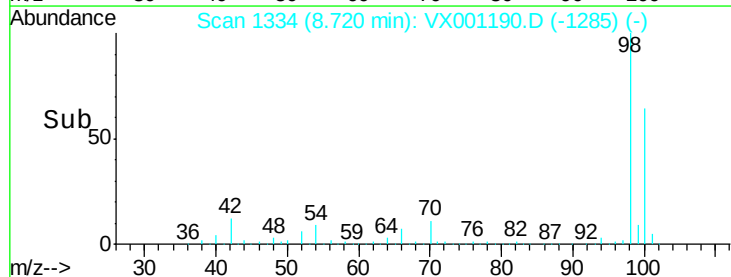
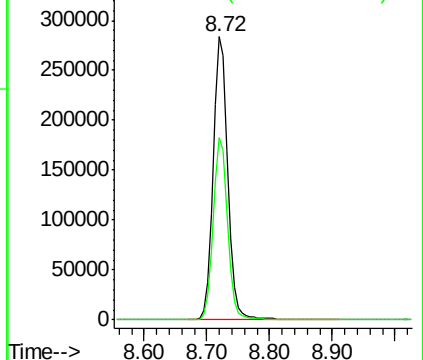
98 100

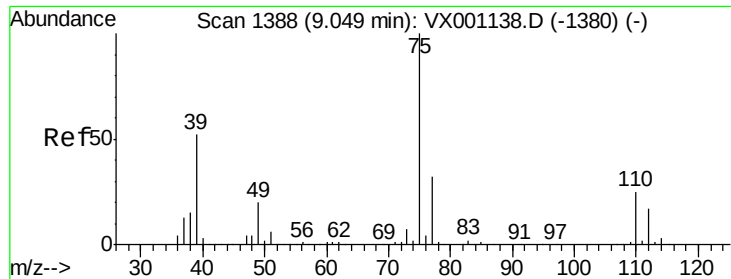
100 63.7 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



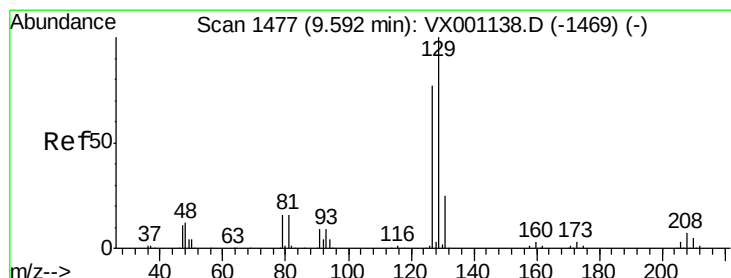
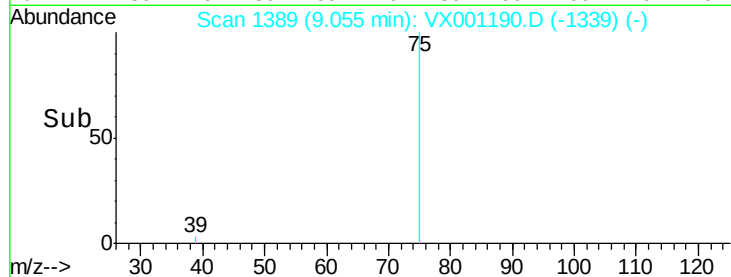
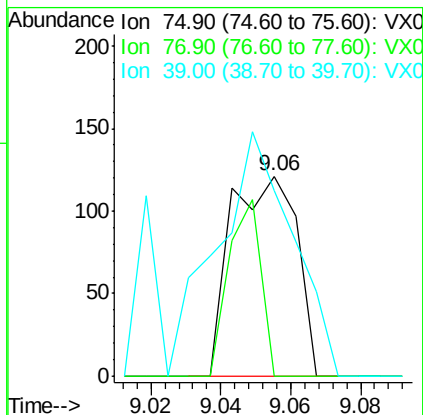
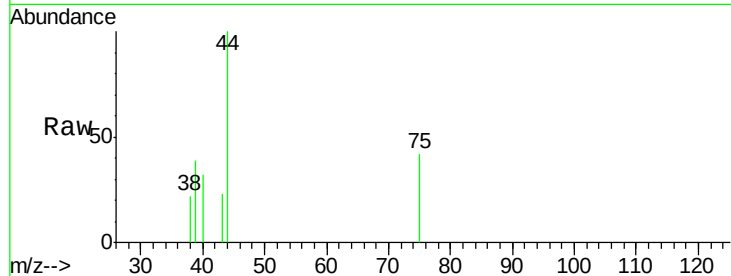


#54

cis-1,3-Dichloropropene
 Concen: 3.228 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB10-180419

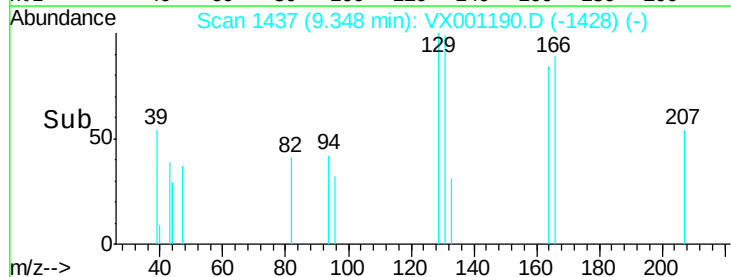
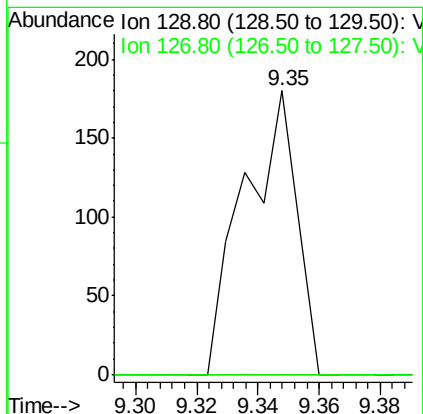
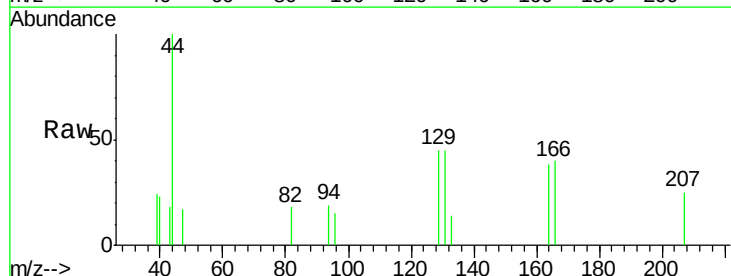
Tgt Ion: 75 Resp: 158
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 92.6 42.0 63.0#

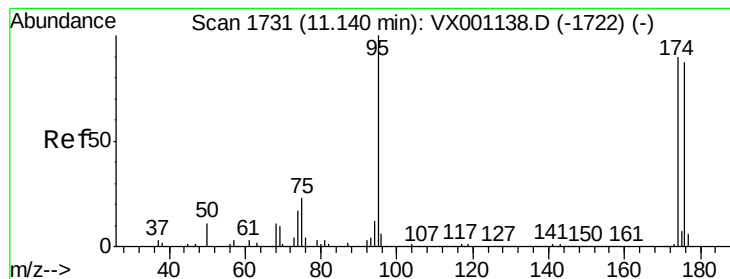


#60

Dibromochloromethane
 Concen: 3.419 ug/l
 RT: 9.35 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: VX001190.D
 Acq: 28 Apr 2018 00:34

Tgt Ion: 129 Resp: 215
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 46.731 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

Z1TB10-180419

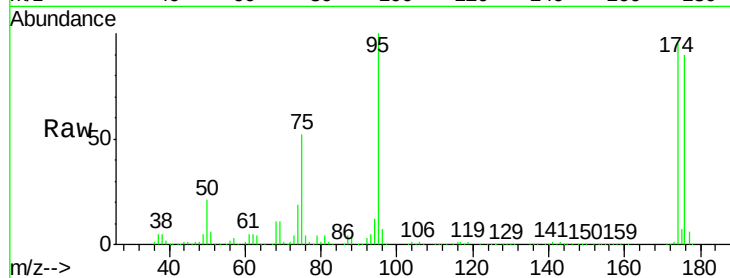
Tgt Ion: 95 Resp: 152499

Ion Ratio Lower Upper

95 100

174 101.2 0.0 194.4

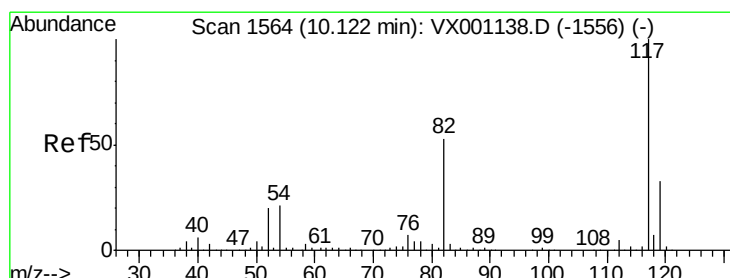
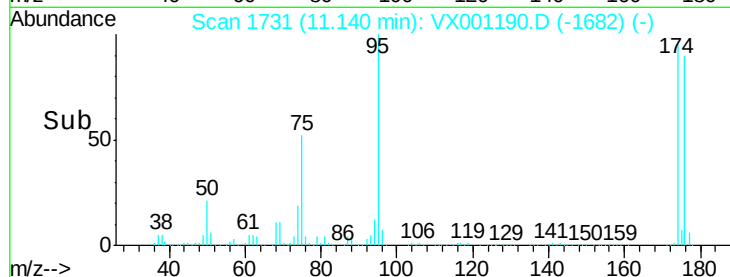
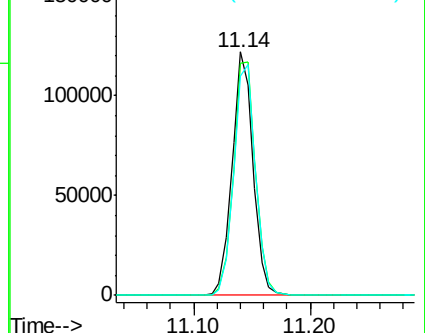
176 98.5 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX001138.D (-1722) (-)

Ion 173.80 (173.50 to 174.50): VX001138.D (-1722) (-)

Ion 175.80 (175.50 to 176.50): VX001138.D (-1722) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

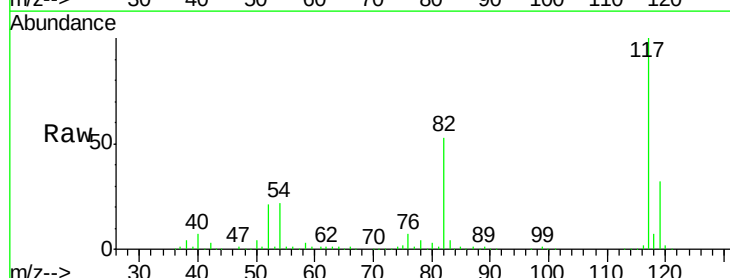
Tgt Ion: 117 Resp: 234908

Ion Ratio Lower Upper

117 100

82 53.4 42.1 63.1

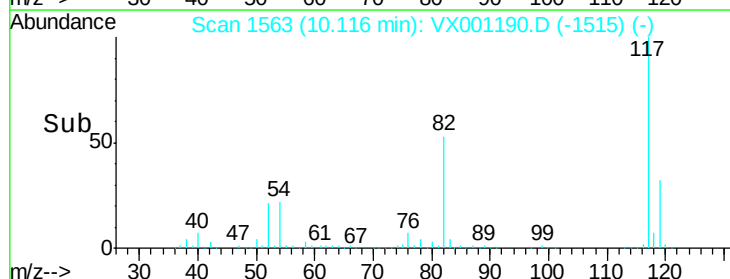
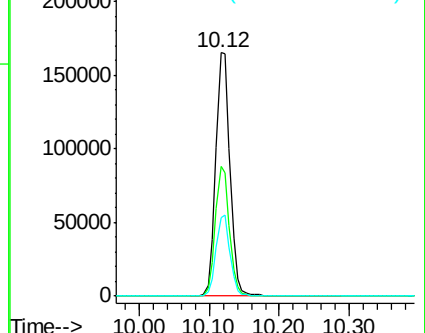
119 32.3 26.1 39.1

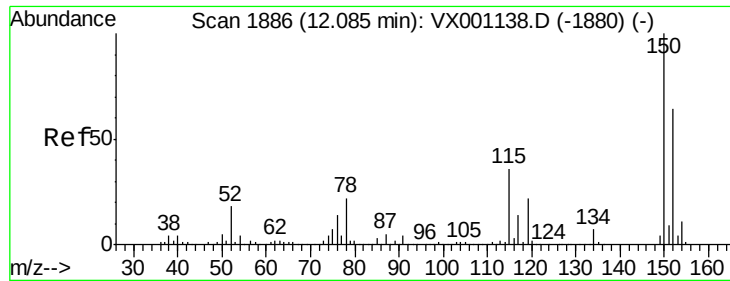


Abundance Ion 116.90 (116.60 to 117.60): VX001138.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001138.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001138.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

Z1TB10-180419

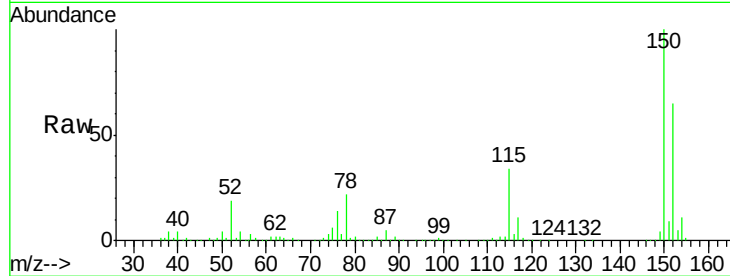
Tgt Ion:152 Resp: 129634

Ion Ratio Lower Upper

152 100

115 53.5 38.0 114.0

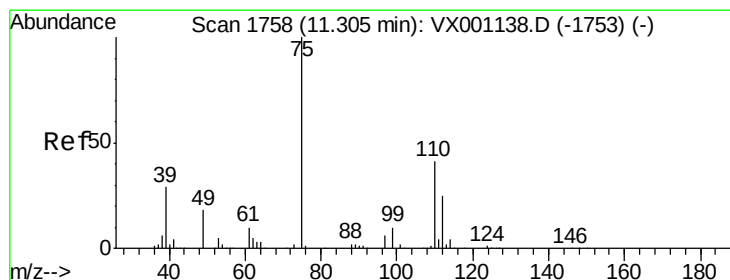
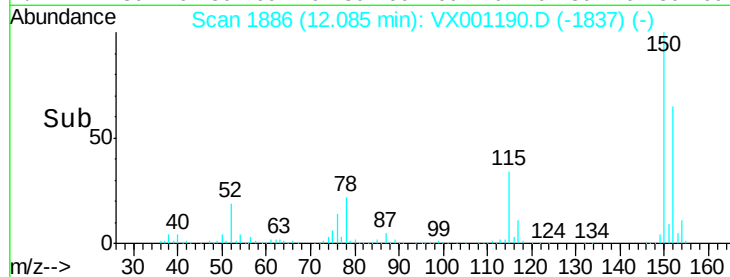
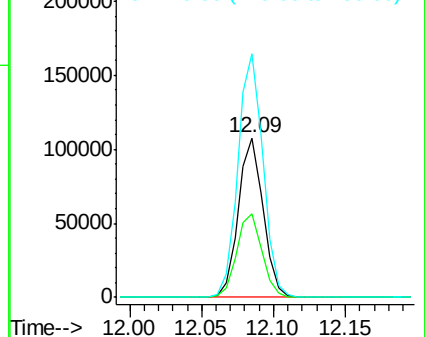
150 154.2 0.0 349.6



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: 29.909 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001190.D

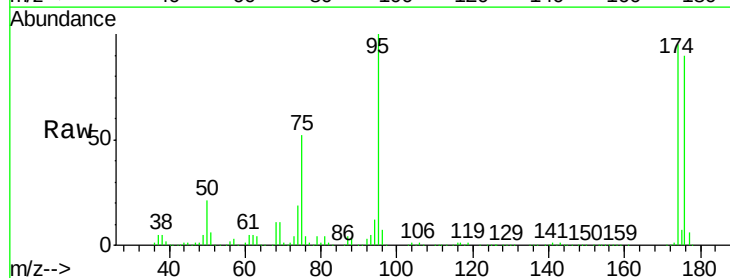
Acq: 28 Apr 2018 00:34

Tgt Ion: 75 Resp: 78951

Ion Ratio Lower Upper

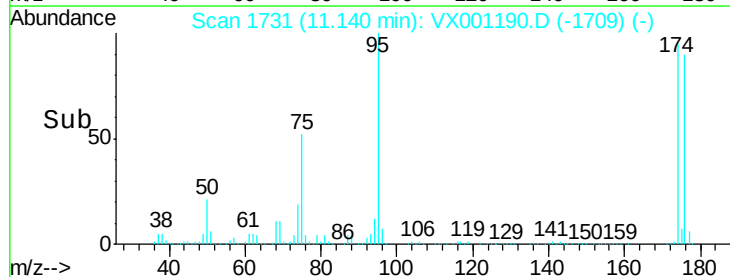
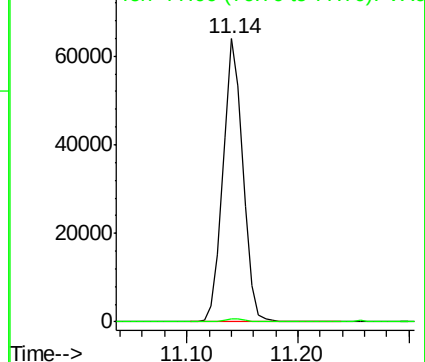
75 100

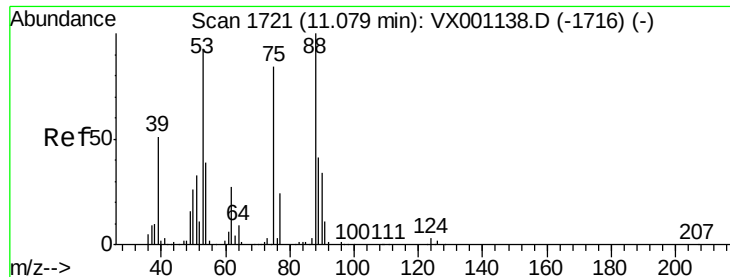
77 1.2 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

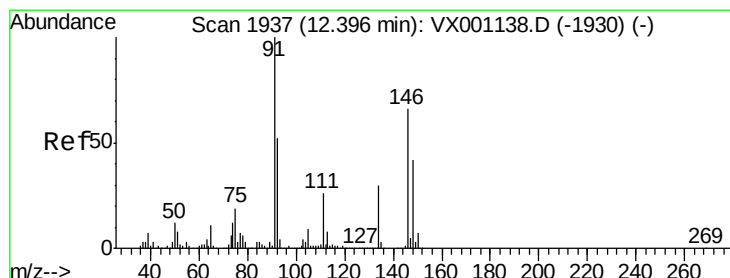
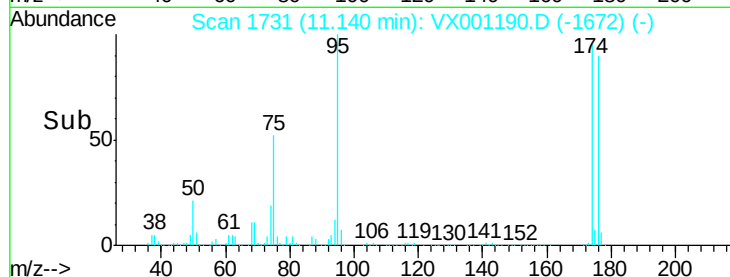
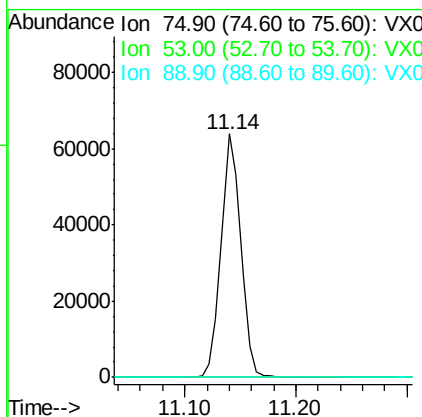
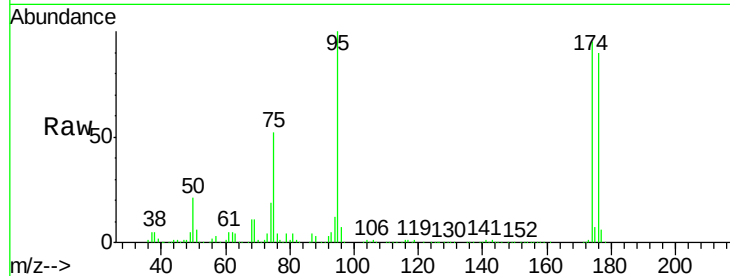




#81
trans-1,4-Dichloro-2-butene
Concen: 90.443 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001190.D
Acq: 28 Apr 2018 00:34

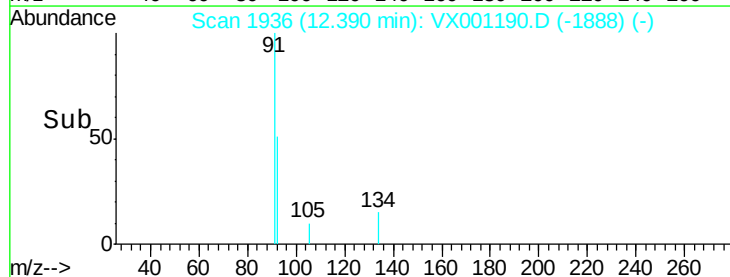
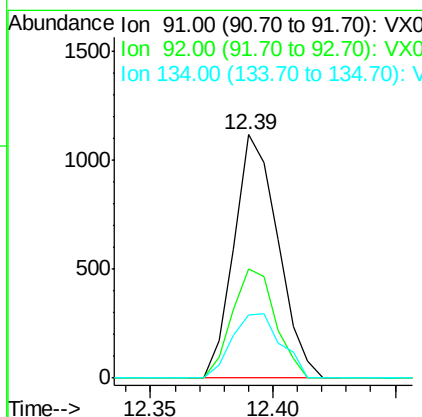
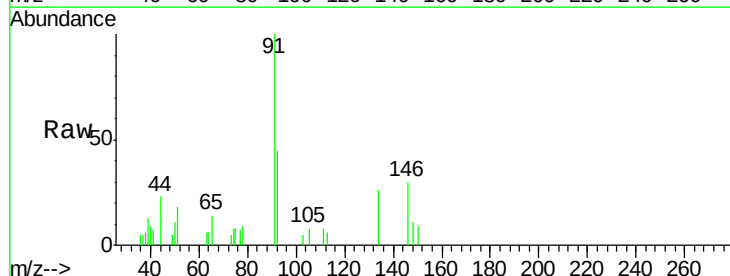
Instrument :
MSVOA_X
ClientSampleId :
Z1TB10-180419

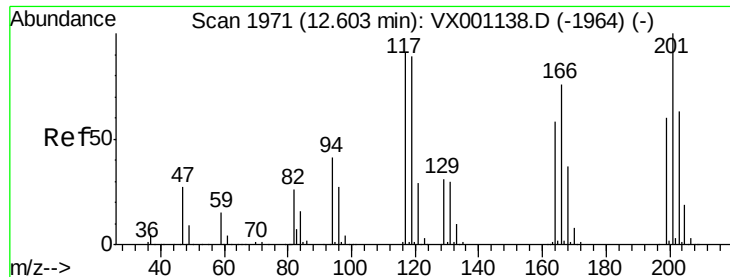
Tgt Ion: 75 Resp: 78951
Ion Ratio Lower Upper
75 100
53 0.0 87.9 131.9#
89 0.0 37.7 56.5#



#89
n-Butylbenzene
Concen: 0.208 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001190.D
Acq: 28 Apr 2018 00:34

Tgt Ion: 91 Resp: 1396
Ion Ratio Lower Upper
91 100
92 44.2 26.2 78.6
134 29.5 14.1 42.3





#90

Hexachloroethane

Concen: 3.426 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

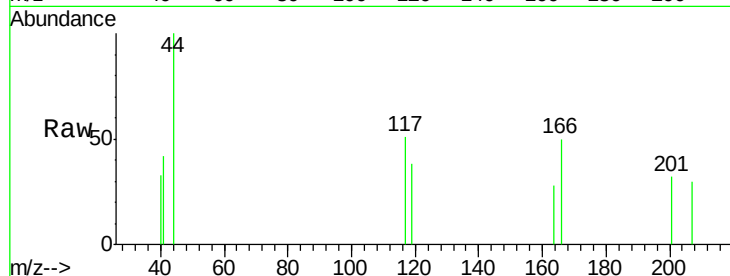
Z1TB10-180419

Tgt Ion:117 Resp: 66

Ion Ratio Lower Upper

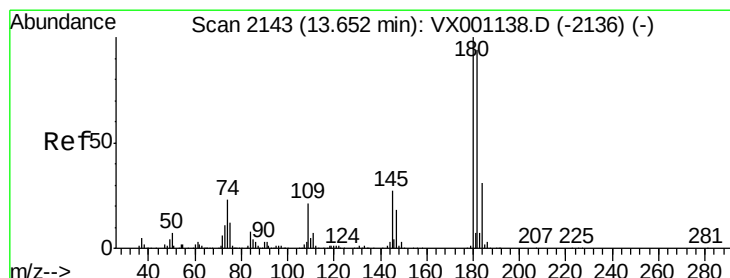
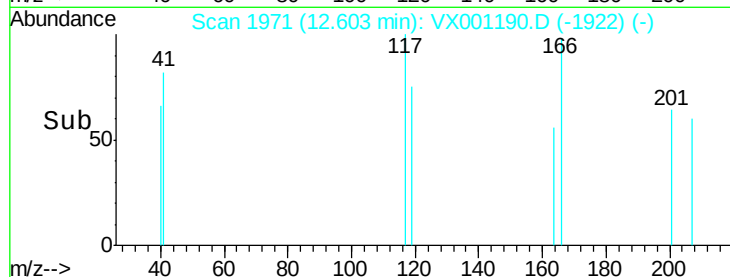
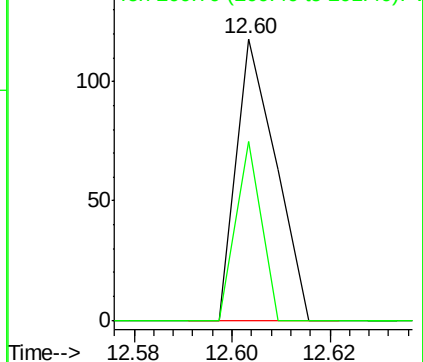
117 100

201 40.9 51.8 155.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.258 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

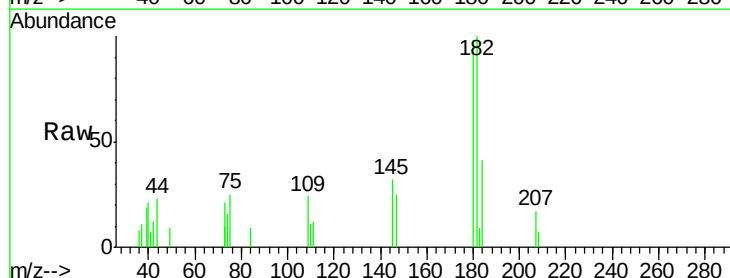
Tgt Ion:180 Resp: 919

Ion Ratio Lower Upper

180 100

182 98.3 47.9 143.6

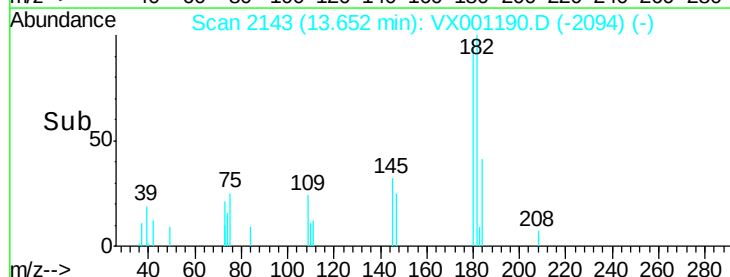
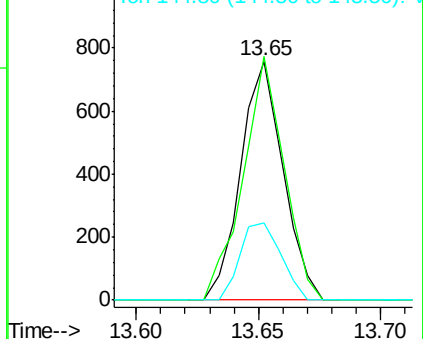
145 31.0 13.8 41.4

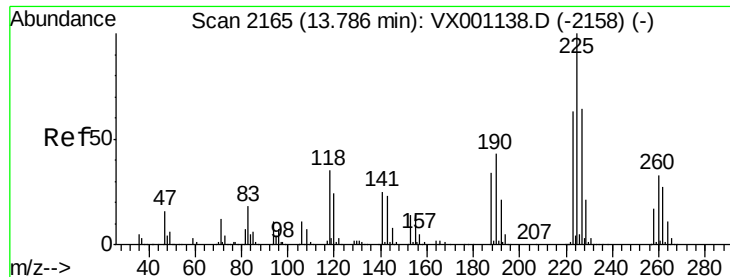


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.465 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

Z1TB10-180419

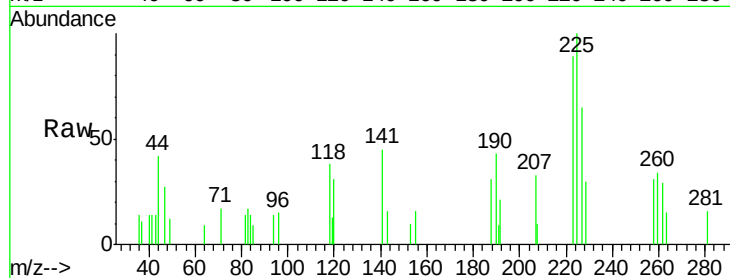
Tgt Ion:225 Resp: 779

Ion Ratio Lower Upper

225 100

223 79.2 31.3 93.9

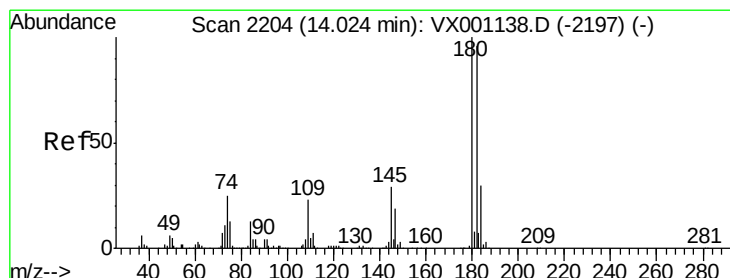
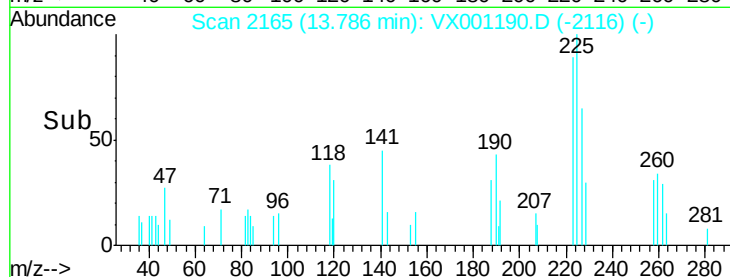
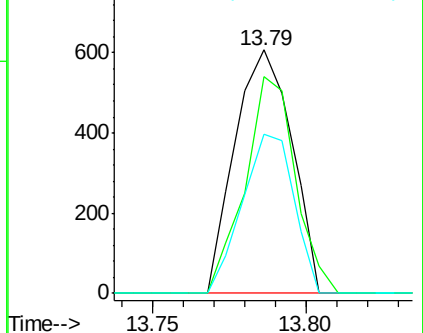
227 59.8 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.262 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001190.D

Acq: 28 Apr 2018 00:34

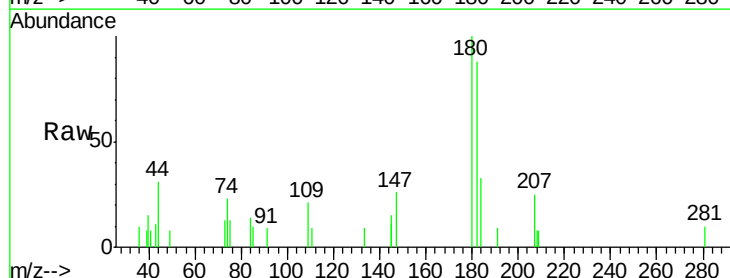
Tgt Ion:180 Resp: 930

Ion Ratio Lower Upper

180 100

182 85.6 48.2 144.6

145 24.1 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

