

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX080818\
 Data File : VX003921.D
 Acq On : 08 Aug 2018 14:12
 Operator : JC/MD
 Sample : J4383-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JTY-GW-TB

Quant Time: Aug 09 03:12:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	467596	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	446515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249450	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	204819	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	5.51	113	174260	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	663438	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.14	95	235117	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

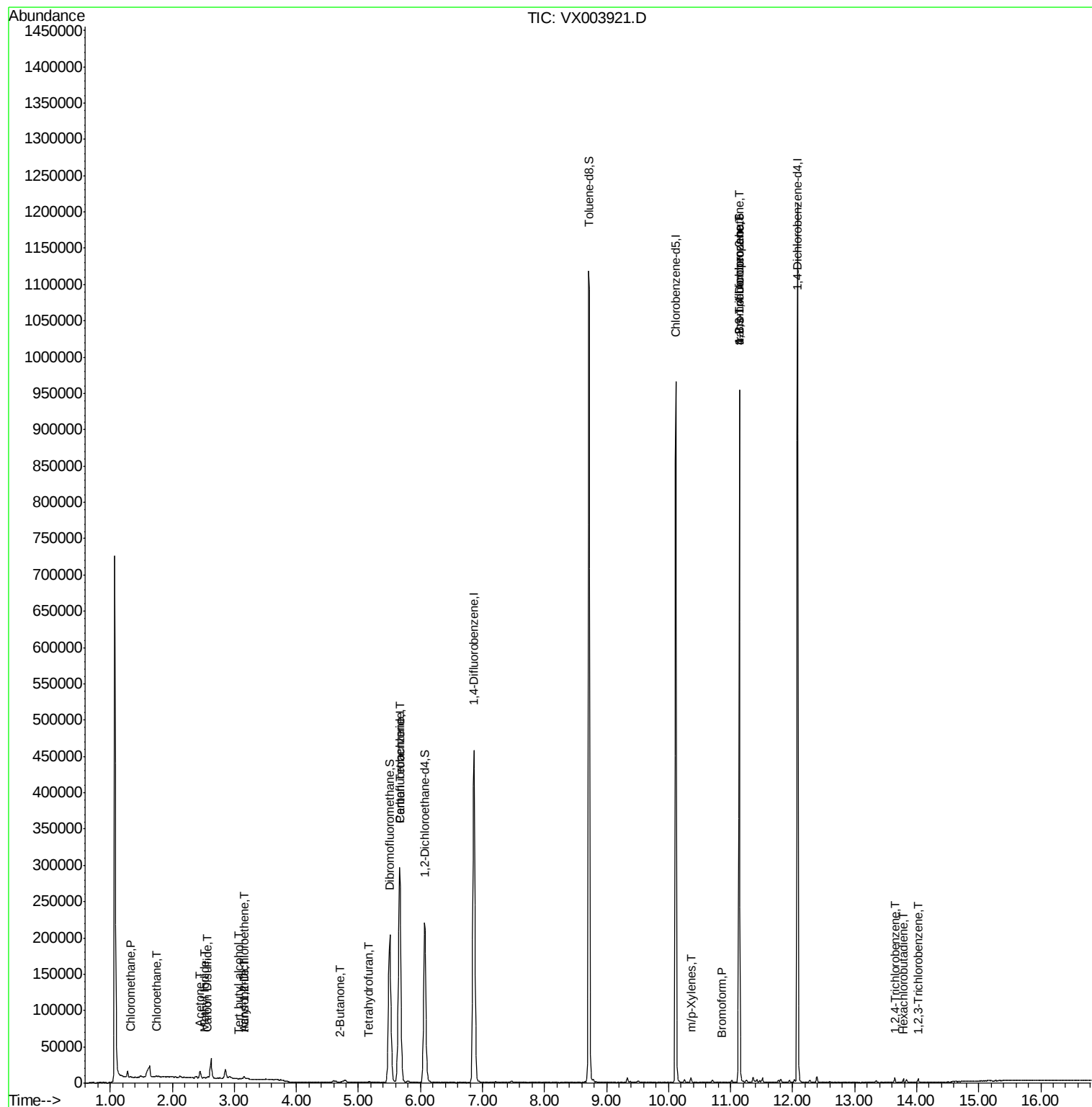
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	910	0.22	ug/l	97
5) Bromomethane	1.64	94	829	Below Cal		94
6) Chloroethane	1.75	64	4413	1.65	ug/l #	45
10) Methyl Iodide	2.51	142	1382	0.32	ug/l	93
11) Tert butyl alcohol	3.07	59	507	0.52	ug/l #	88
13) Acrolein	2.30	56	326	Below Cal	#	59
15) Acrylonitrile	3.15	53	1089	0.47	ug/l #	80
16) Acetone	2.45	43	9425	3.93	ug/l	99
17) Carbon Disulfide	2.57	76	3443	0.81	ug/l	99
20) Methylene Chloride	2.86	84	5543	Below Cal		97
21) trans-1,2-Dichloroethene	3.17	96	782	0.21	ug/l #	81
25) 2-Butanone	4.71	43	1258	0.35	ug/l	90
29) Tetrahydrofuran	5.17	42	1187	0.64	ug/l #	60
38) Carbon Tetrachloride	5.66	117	27292	5.48	ug/l #	17
68) m/p-Xylenes	10.36	106	1697	0.23	ug/l	97
71) Bromoform	10.85	173	65	2.93	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	113202	20.55	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	113202	55.63	ug/l #	9
88) 1,4-Dichlorobenzene	12.02	146	1708	Below Cal		96
93) 1,2,4-Trichlorobenzene	13.65	180	1673	0.26	ug/l	99
94) Hexachlorobutadiene	13.79	225	984	0.77	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	1377	0.21	ug/l	87

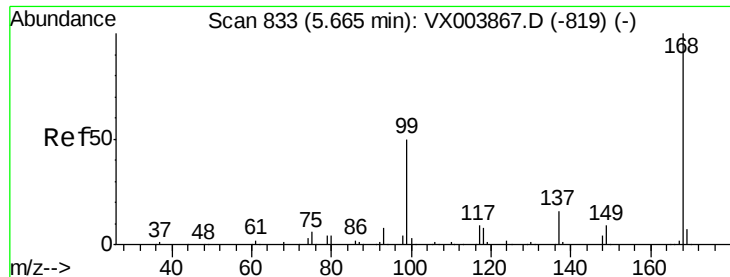
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampleId :

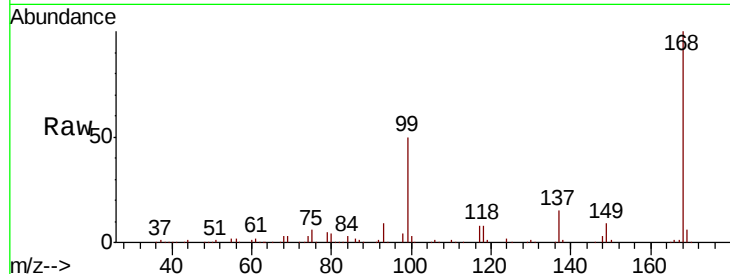
JTY-GW-TB

Tot Ion:168 Resp: 303882

Ion Ratio Lower Upper

168 100

99 49.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

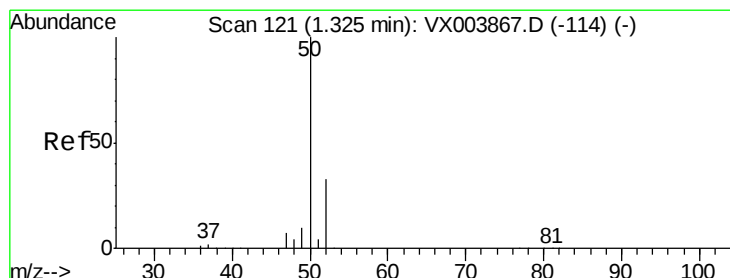
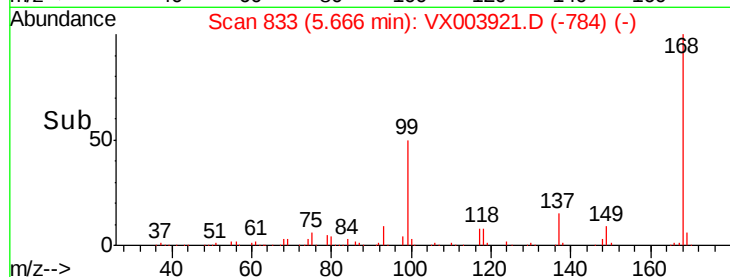
60000

40000

20000

0

Time--> 5.50 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: VX003921.D

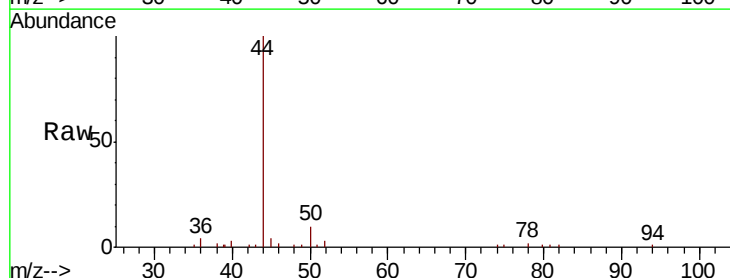
Acq: 08 Aug 2018 14:12

Tgt Ion: 50 Resp: 910

Ion Ratio Lower Upper

50 100

52 34.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

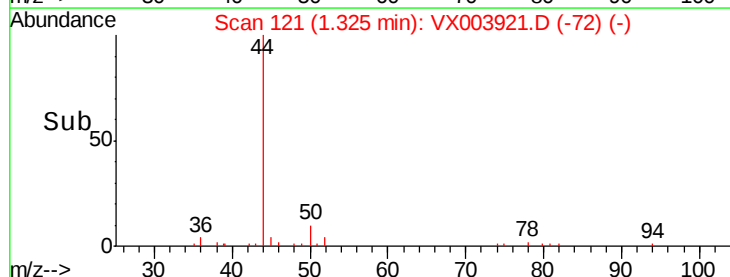
600

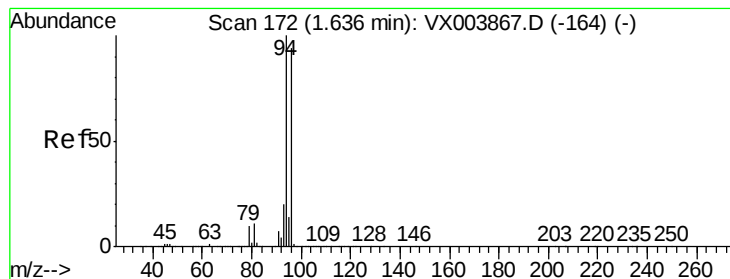
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampled :

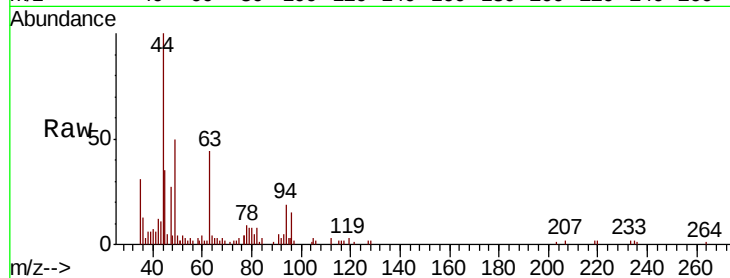
JTY-GW-TB

Tot Ion: 94 Resp: 829

Ion Ratio Lower Upper

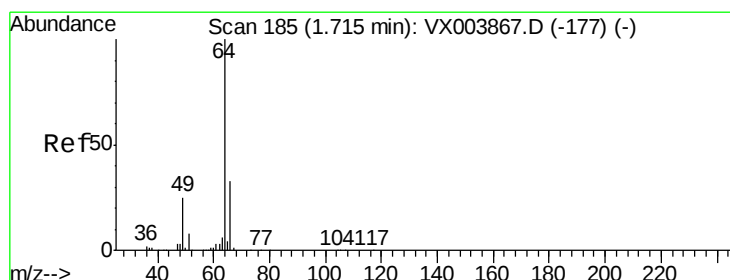
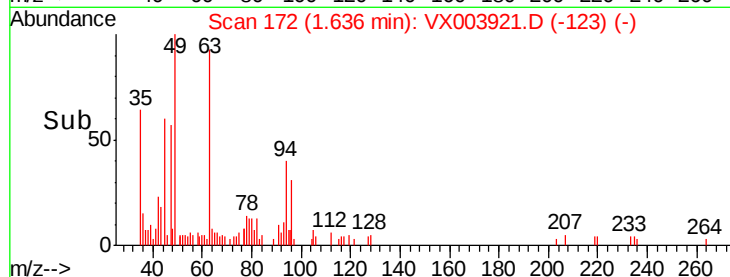
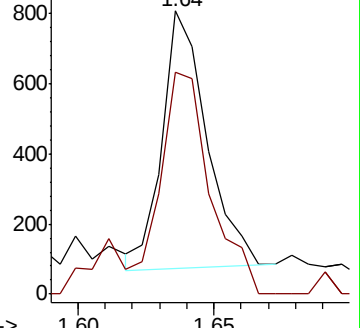
94 100

96 88.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.65 ug/l

RT: 1.75 min Scan# 191

Delta R.T. 0.04 min

Lab File: VX003921.D

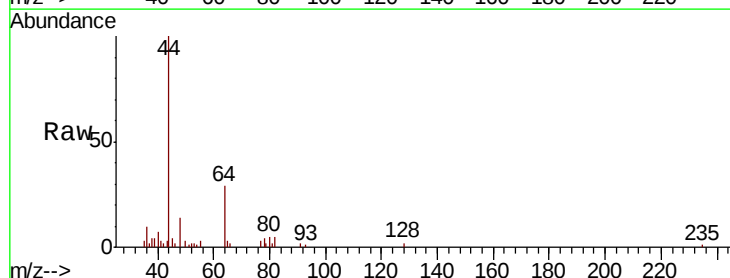
Acq: 08 Aug 2018 14:12

Tgt Ion: 64 Resp: 4413

Ion Ratio Lower Upper

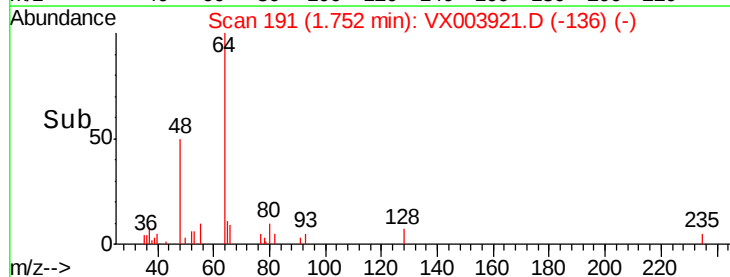
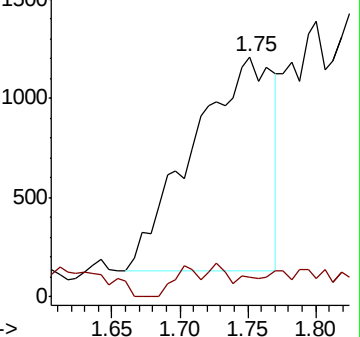
64 100

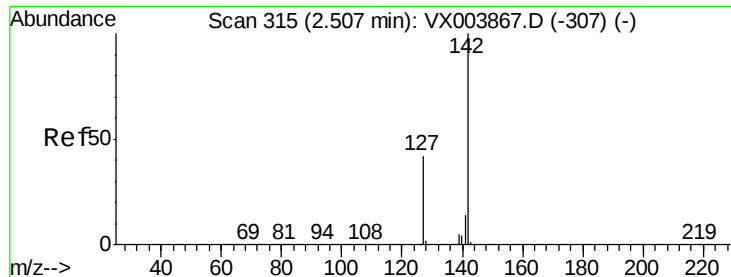
66 1.9 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

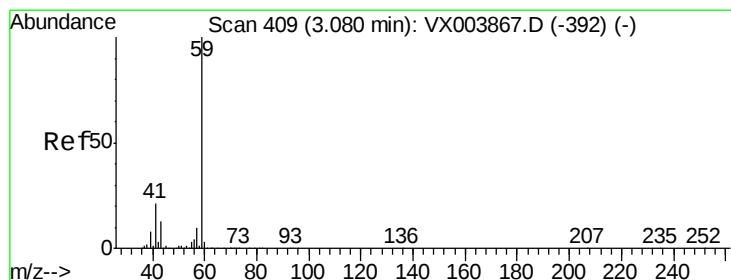
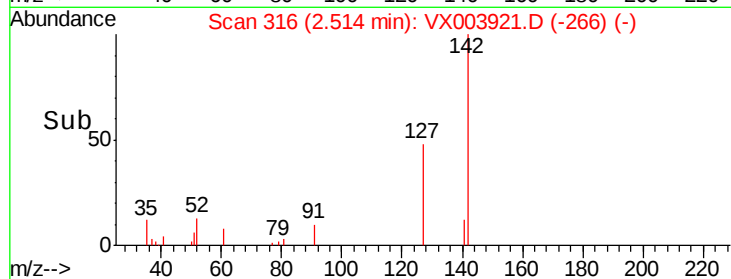
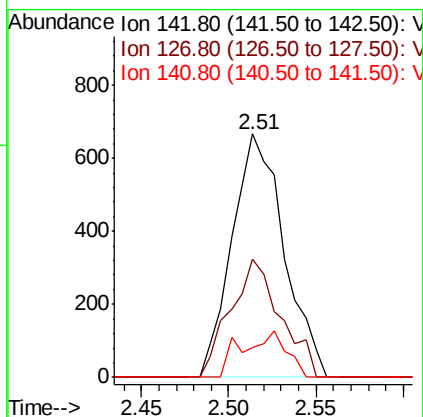
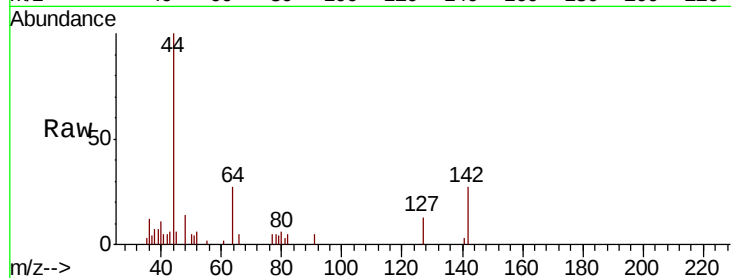




#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003921.D
Acq: 08 Aug 2018 14:12

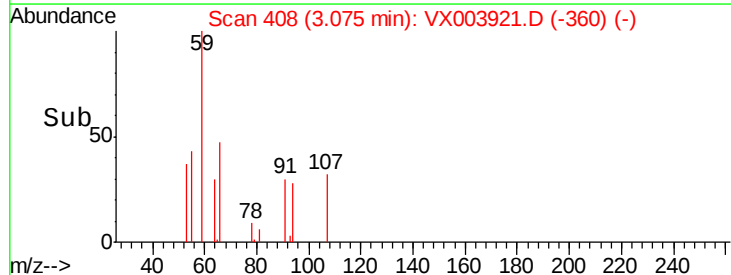
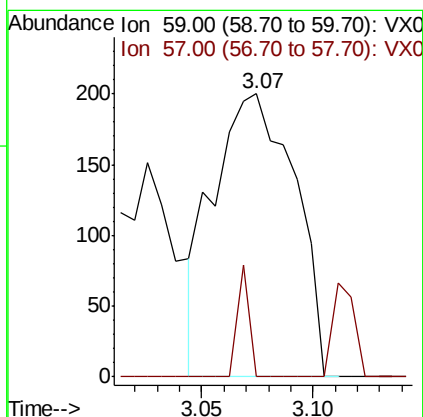
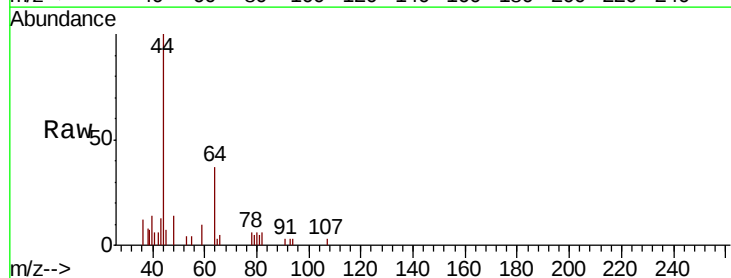
Instrument :
MSVOA_X
ClientSampled :
JTY-GW-TB

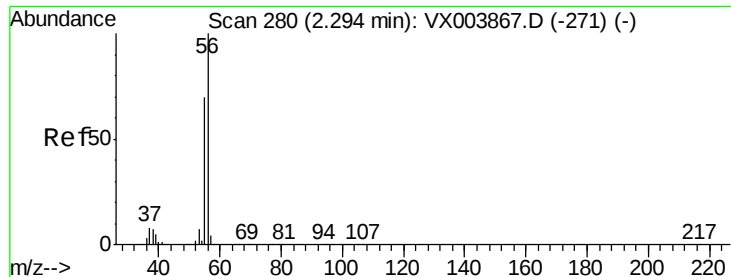
Tot Ion:142 Resp: 1382
Ion Ratio Lower Upper
142 100
127 46.5 33.1 49.7
141 16.0 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003921.D
Acq: 08 Aug 2018 14:12

Tgt Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 5.7 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampled :

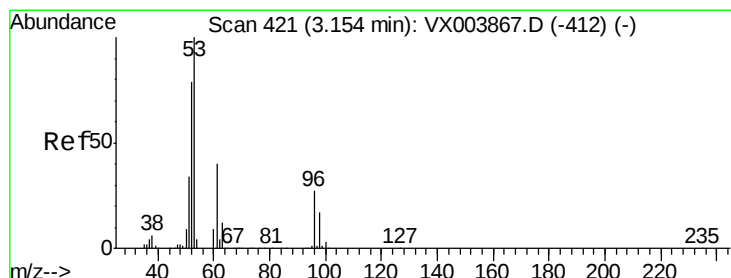
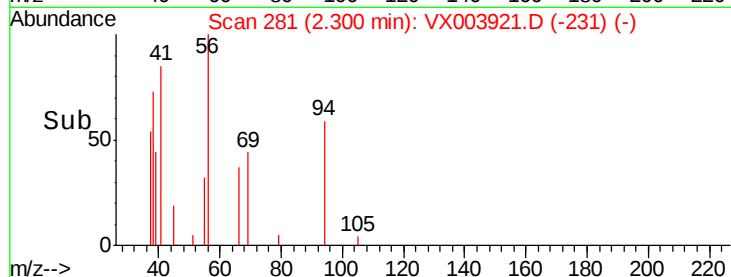
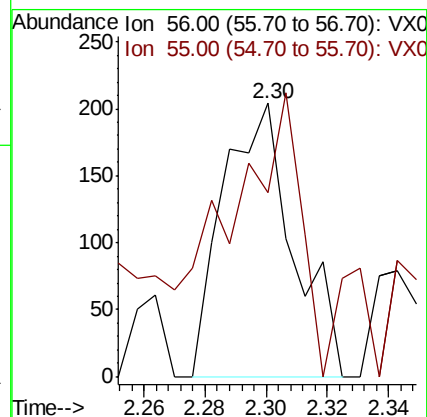
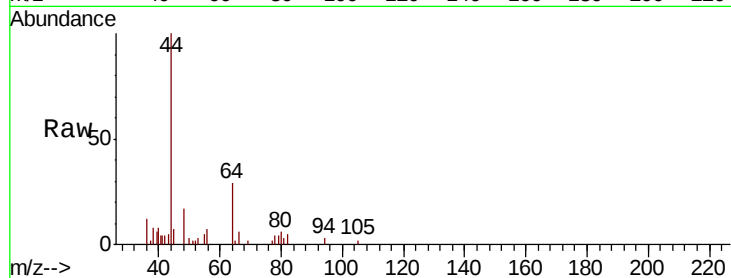
JTY-GW-TB

Tot Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 104.0 56.1 84.1#



#15

Acrylonitrile

Concen: 0.47 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

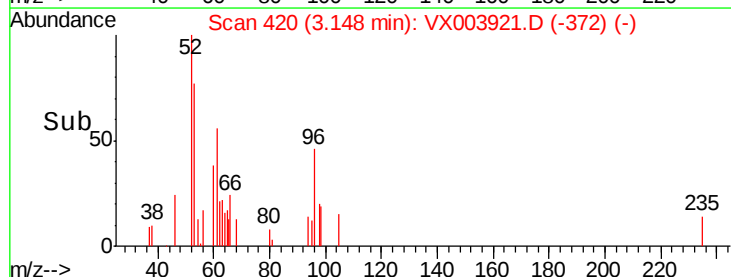
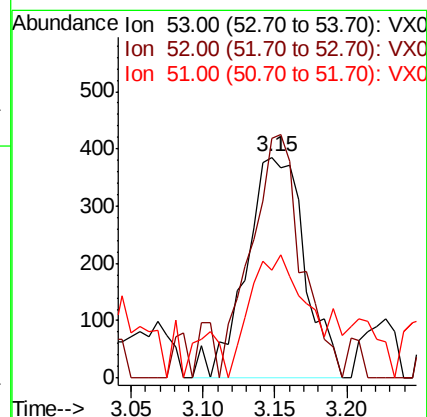
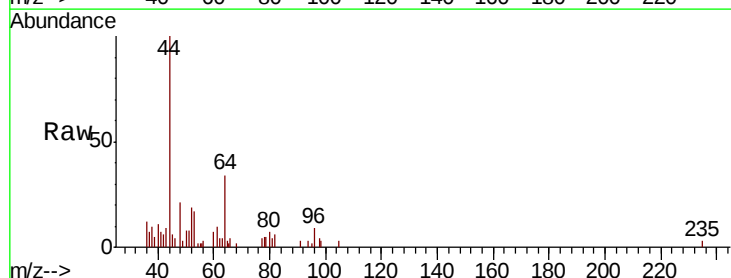
Tgt Ion: 53 Resp: 1089

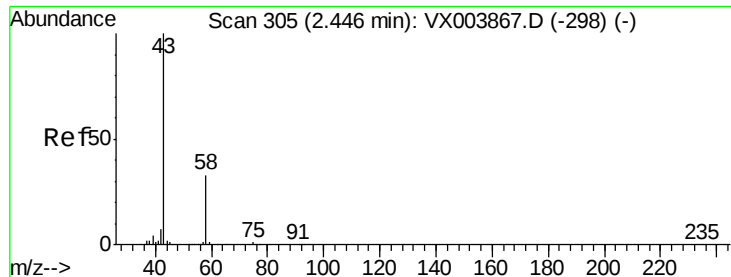
Ion Ratio Lower Upper

53 100

52 94.9 65.3 97.9

51 52.9 27.9 41.9#





#16

Acetone

Concen: 3.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampleId :

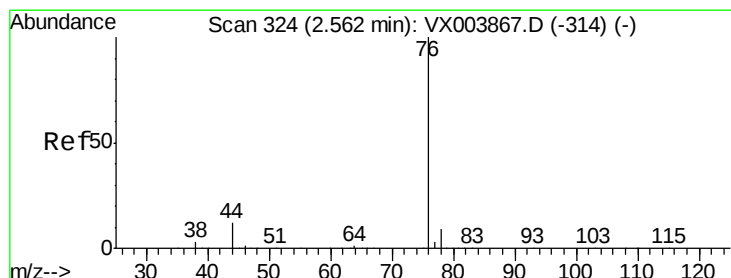
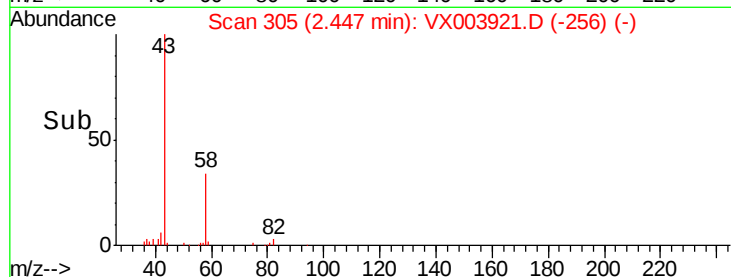
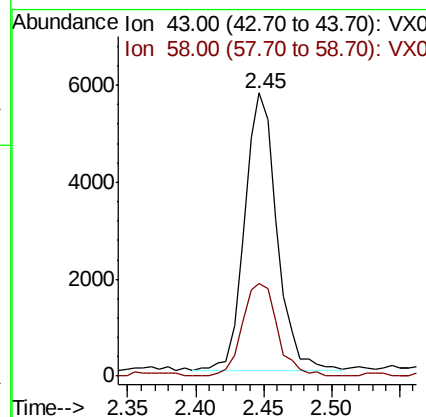
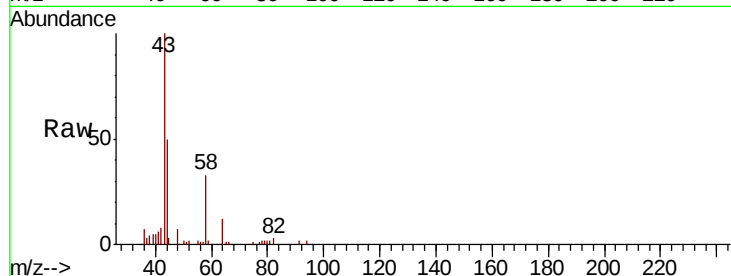
JTY-GW-TB

Tot Ion: 43 Resp: 9425

Ion Ratio Lower Upper

43 100

58 33.4 26.4 39.6



#17

Carbon Disulfide

Concen: 0.81 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003921.D

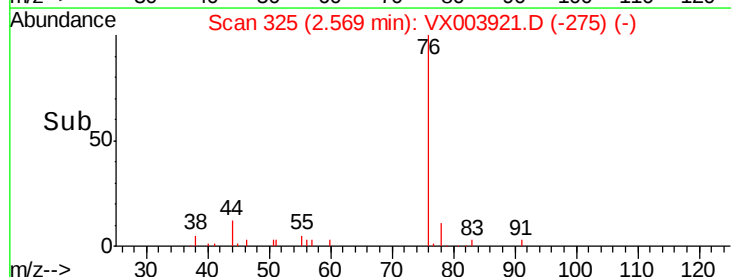
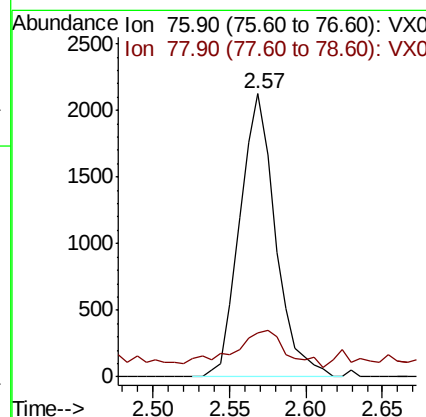
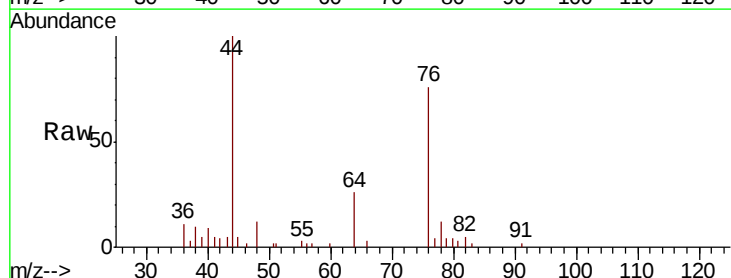
Acq: 08 Aug 2018 14:12

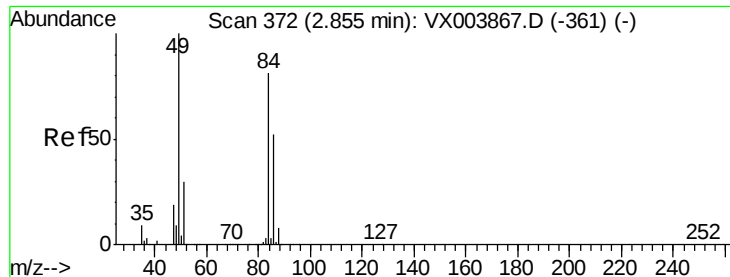
Tgt Ion: 76 Resp: 3443

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

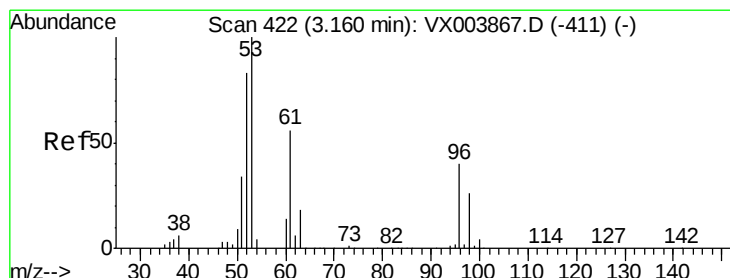
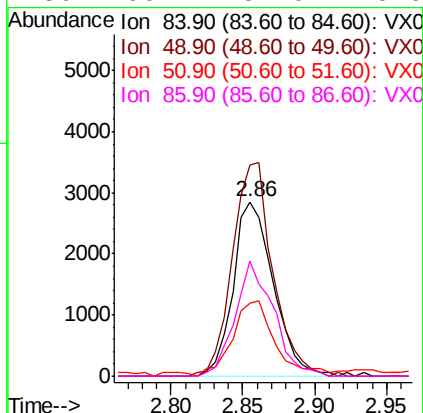
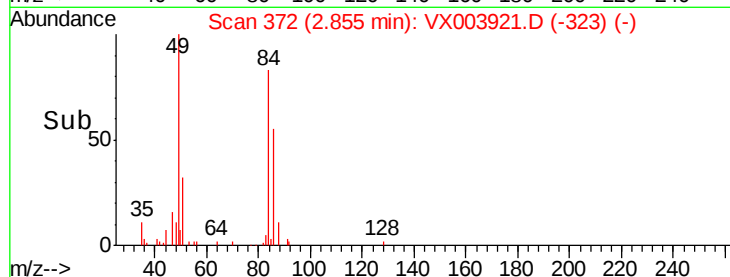
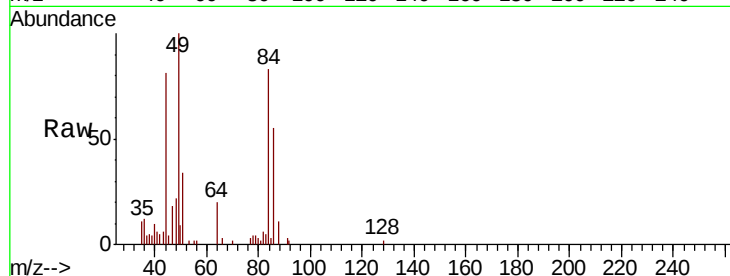




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003921.D
Acq: 08 Aug 2018 14:12

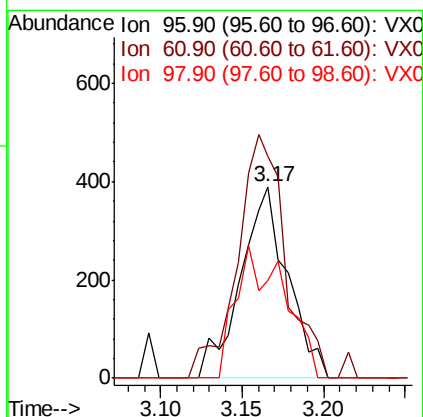
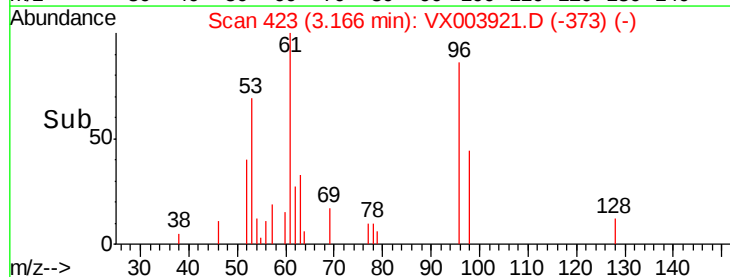
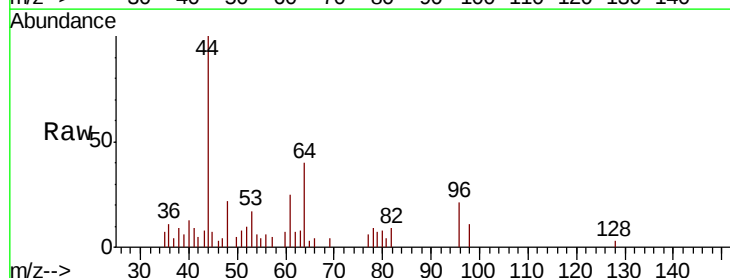
Instrument :
MSVOA_X
ClientSampled :
JTY-GW-TB

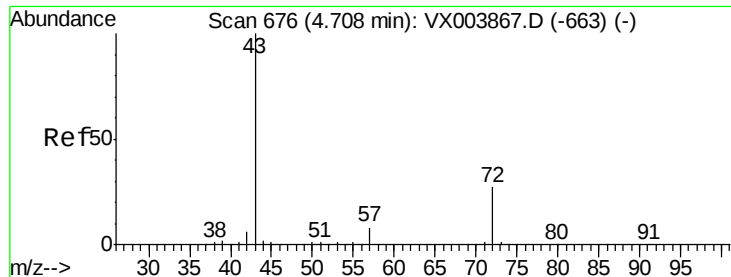
Tot Ion: 84 Resp: 5543
Ion Ratio Lower Upper
84 100
49 121.1 98.9 148.3
51 39.7 29.9 44.9
86 66.2 51.0 76.6



#21
trans-1,2-Dichloroethene
Concen: 0.21 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX003921.D
Acq: 08 Aug 2018 14:12

Tgt Ion: 96 Resp: 782
Ion Ratio Lower Upper
96 100
61 115.9 111.8 167.6
98 51.3 51.8 77.6#





#25

2-Butanone

Concen: 0.35 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampleId :

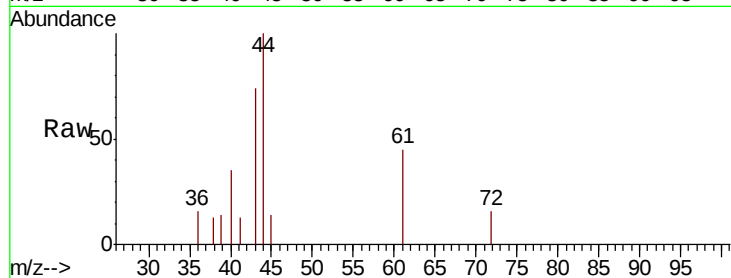
JTY-GW-TB

Tot Ion: 43 Resp: 1258

Ion Ratio Lower Upper

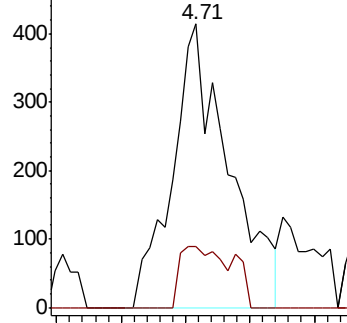
43 100

72 21.7 21.4 32.0

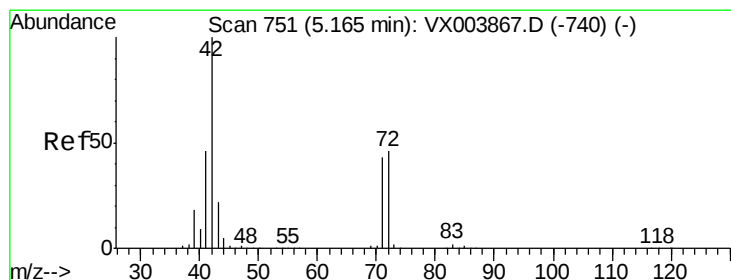
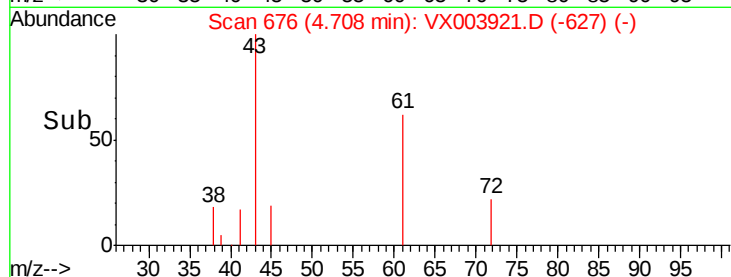


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

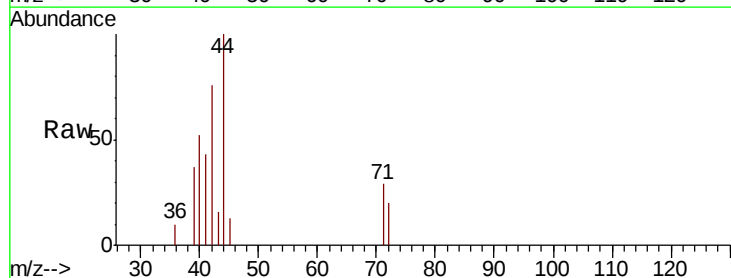
Tgt Ion: 42 Resp: 1187

Ion Ratio Lower Upper

42 100

72 15.8 37.7 56.5#

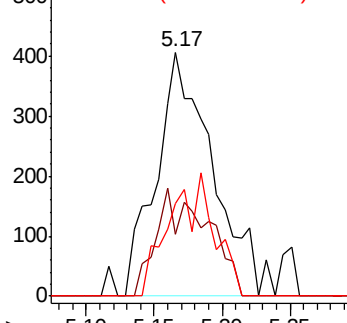
71 22.2 35.0 52.6#



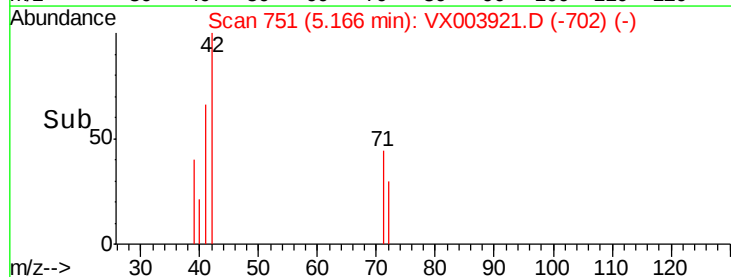
Abundance Ion 42.00 (41.70 to 42.70): VX0

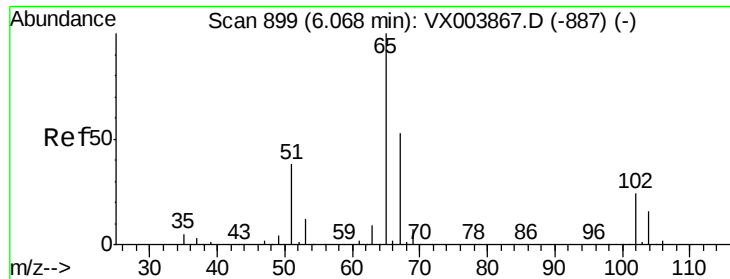
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

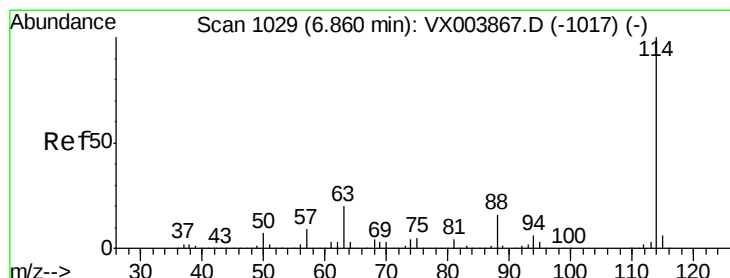
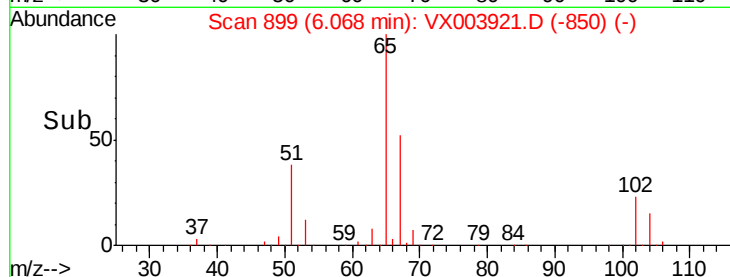
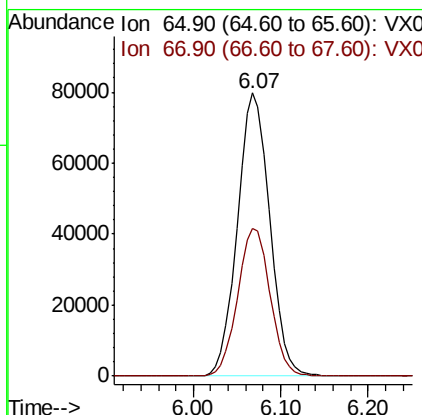
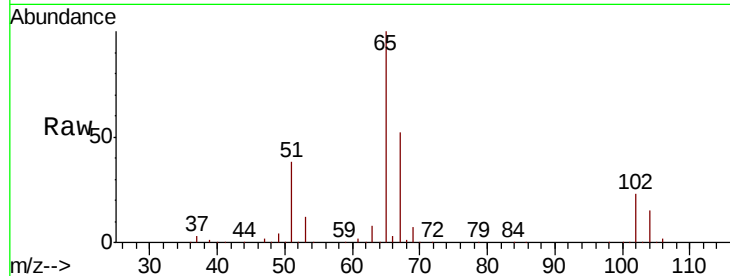




#33
 1,2-Dichloroethane-d4
 Concen: 50.85 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

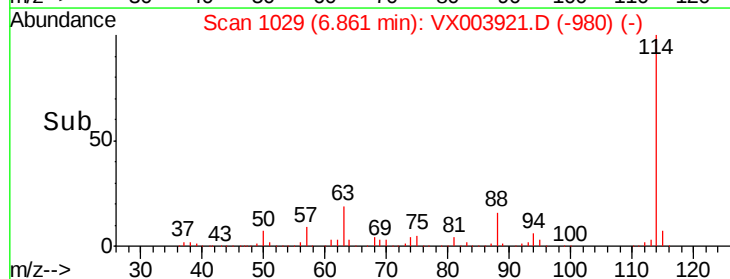
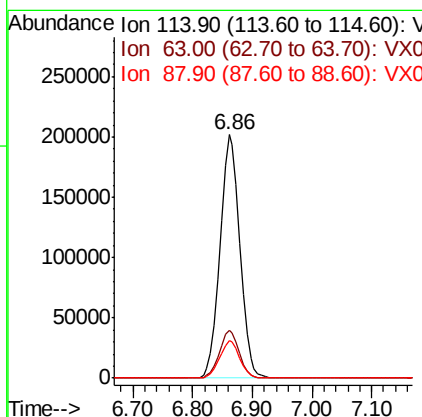
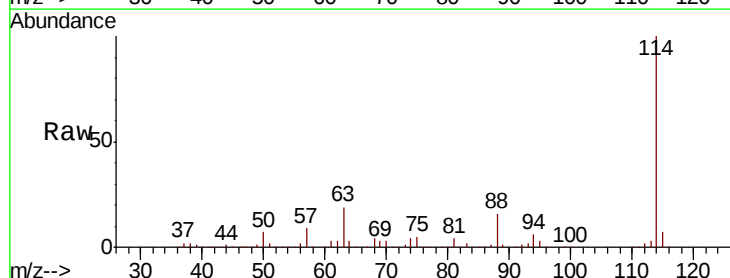
Instrument :
 MSVOA_X
 ClientSampleId :
 JTY-GW-TB

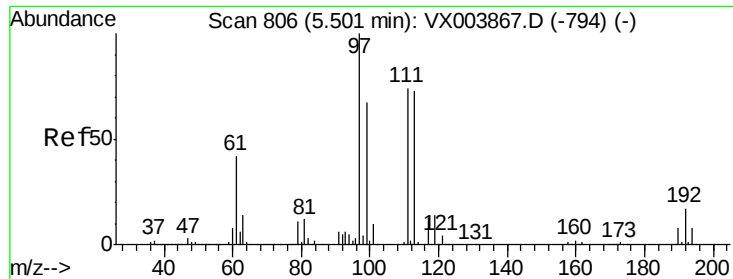
Tot Ion: 65 Resp: 204819
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

Tgt Ion: 114 Resp: 467596
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.6 0.0 32.0

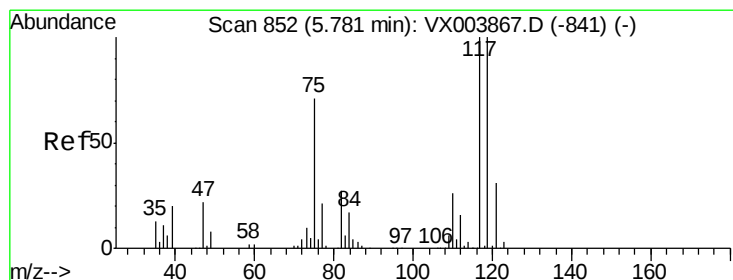
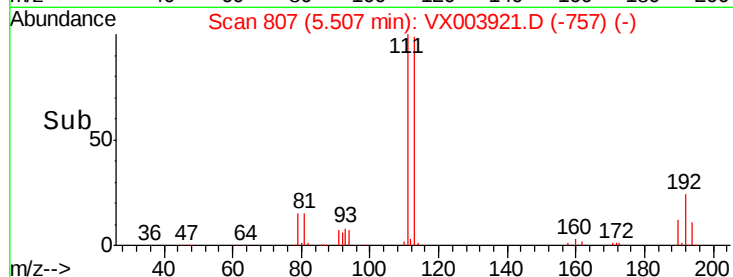
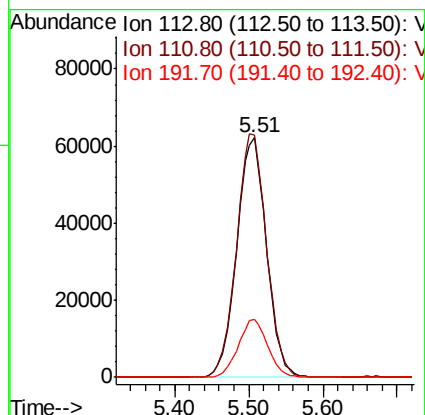
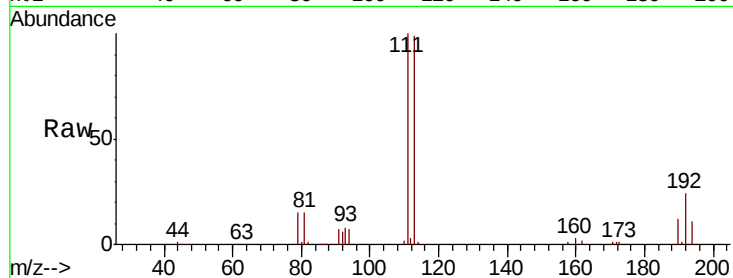




#35
 Dibromofluoromethane
 Concen: 49.19 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

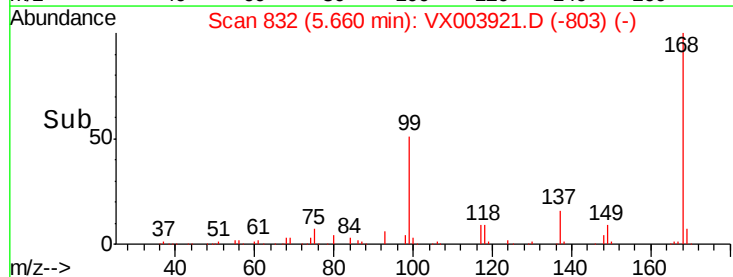
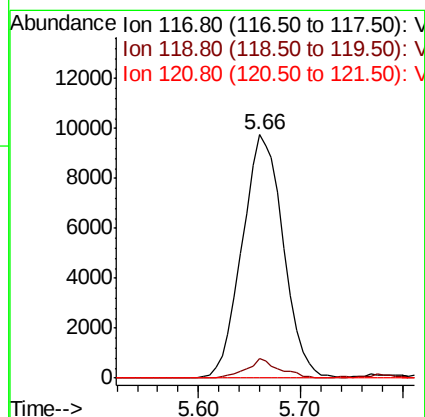
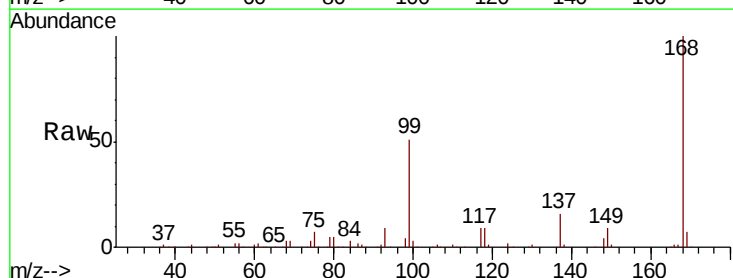
Instrument :
 MSVOA_X
 ClientSampleId :
 JTY-GW-TB

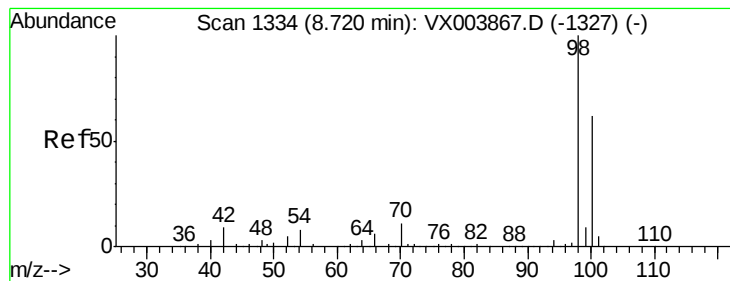
Tot Ion:113 Resp: 174260
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 23.8 19.0 28.4



#38
 Carbon Tetrachloride
 Concen: 5.48 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

Tgt Ion:117 Resp: 27292
 Ion Ratio Lower Upper
 117 100
 119 8.1 79.5 119.3#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 48.16 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampleId :

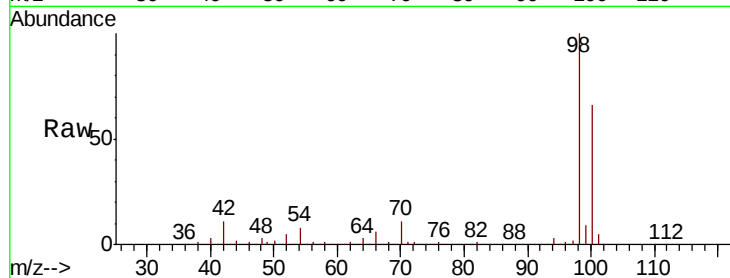
JTY-GW-TB

Tot Ion: 98 Resp: 663438

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

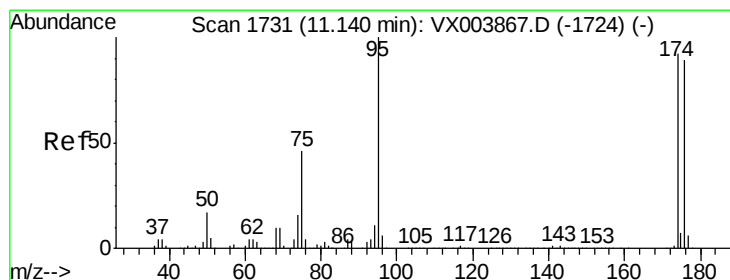
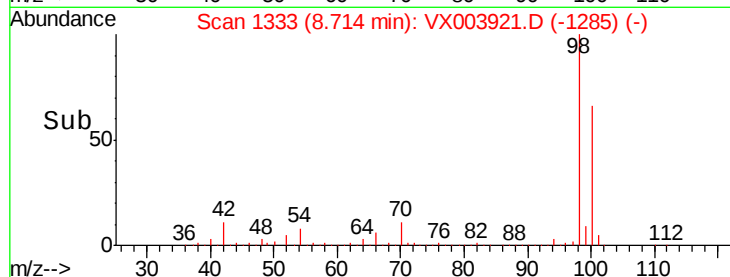
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 52.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

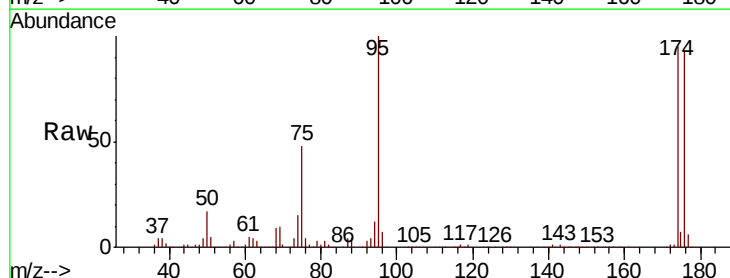
Tgt Ion: 95 Resp: 235117

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

176 88.2 0.0 179.0



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

11.14

250000

200000

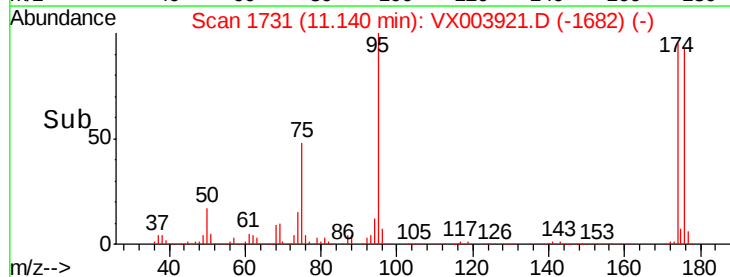
150000

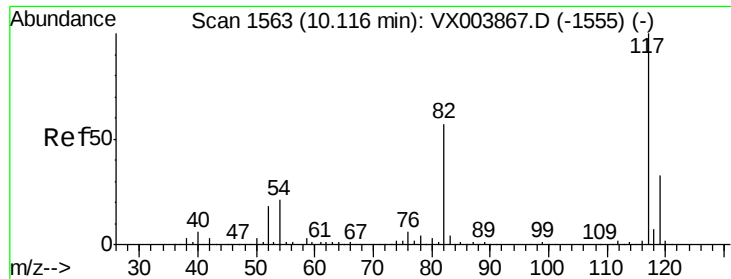
100000

50000

0

Time--> 11.10 11.20 11.30

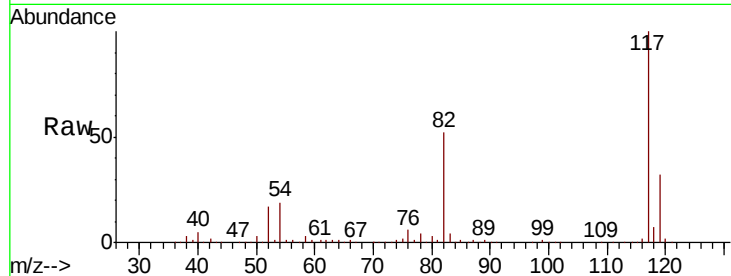




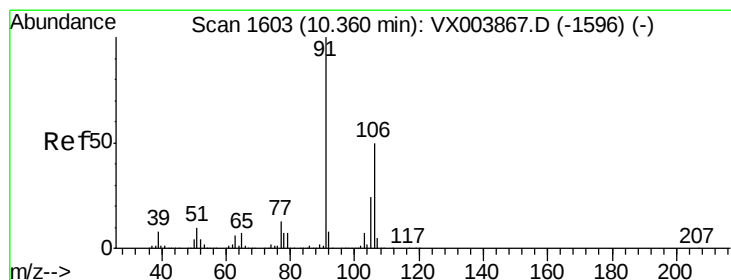
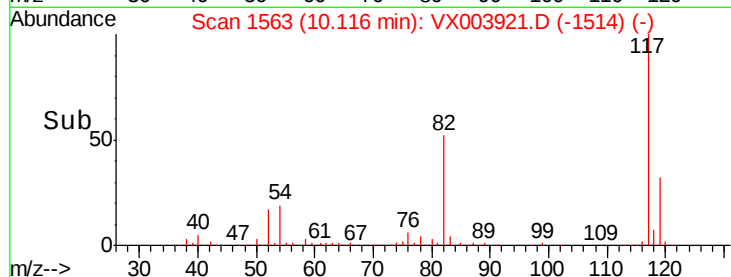
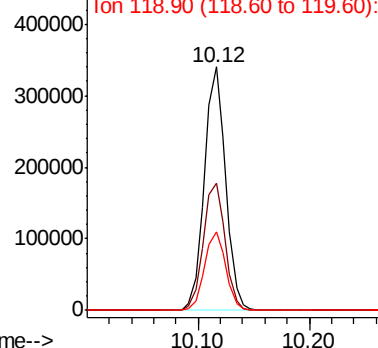
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003921.D
Acq: 08 Aug 2018 14:12

Instrument :
MSVOA_X
ClientSampled :
JTY-GW-TB

Tot Ion:117 Resp: 446515
Ion Ratio Lower Upper
117 100
82 52.0 45.4 68.0
119 32.1 26.6 40.0

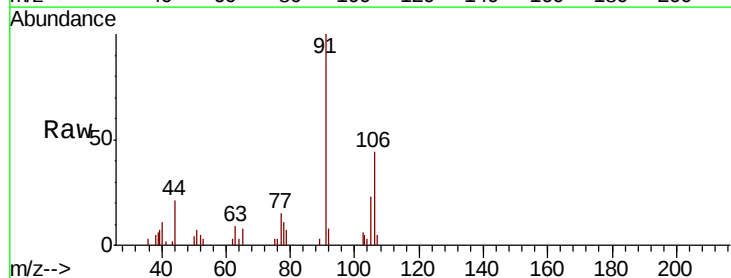


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

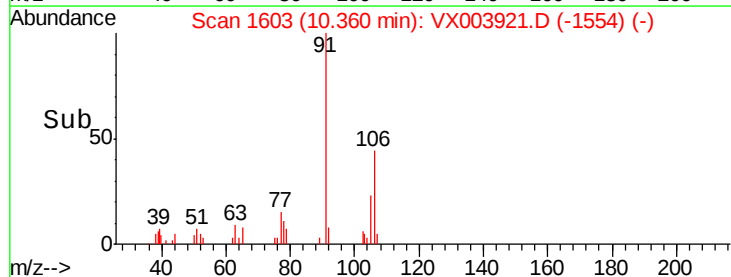
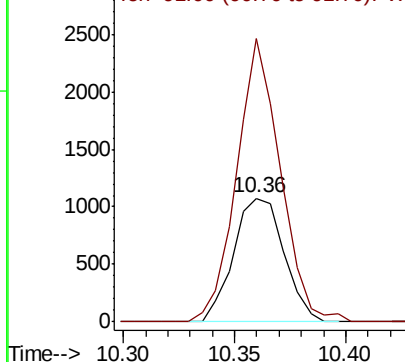


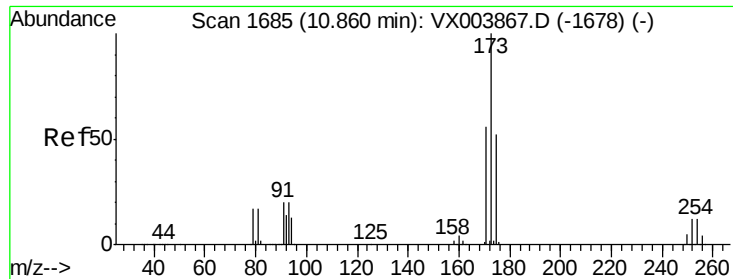
#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003921.D
Acq: 08 Aug 2018 14:12

Tgt Ion:106 Resp: 1697
Ion Ratio Lower Upper
106 100
91 198.1 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#71

Bromoform

Concen: 2.93 ug/l

RT: 10.85 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampleId :

JTY-GW-TB

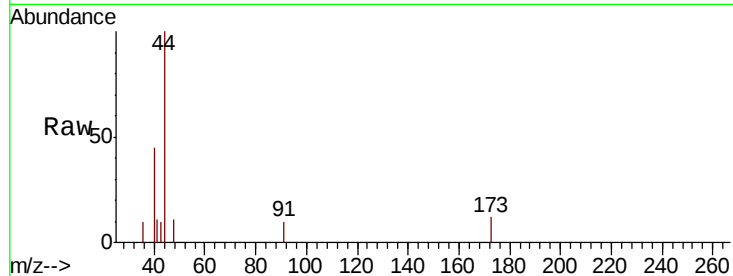
Tot Ion:173 Resp: 65

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

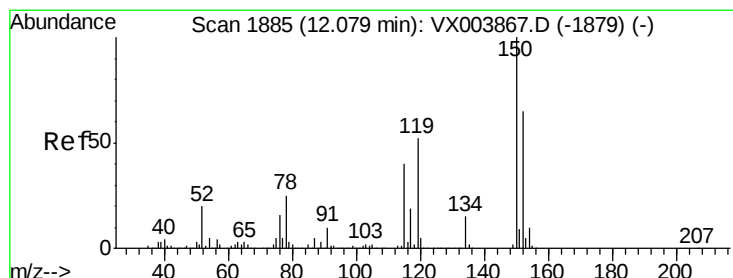
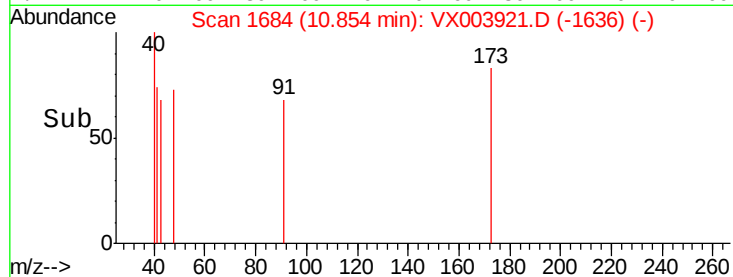
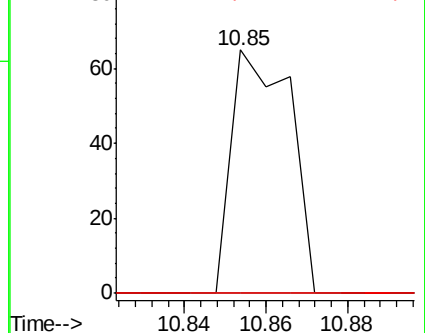
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

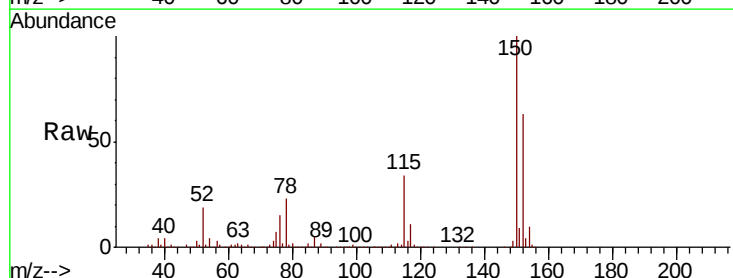
Tgt Ion:152 Resp: 249450

Ion Ratio Lower Upper

152 100

115 55.1 39.1 117.3

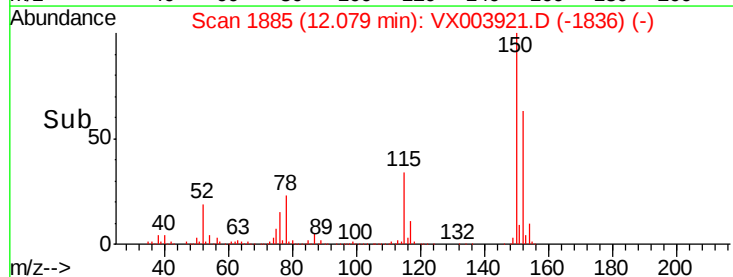
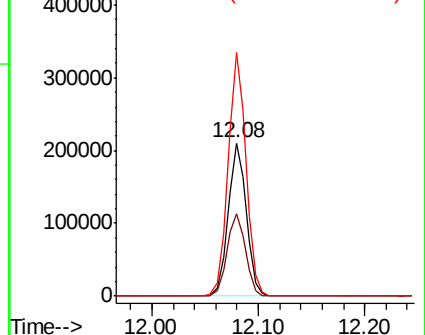
150 157.6 0.0 349.2

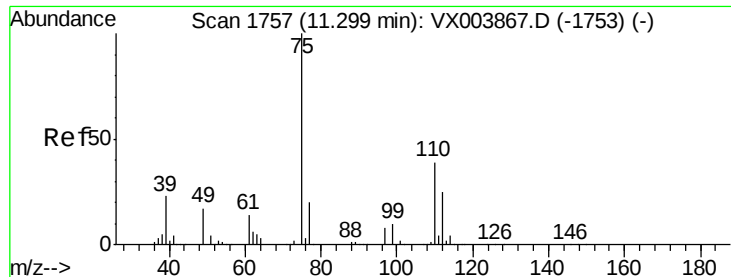


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA_X

ClientSampled :

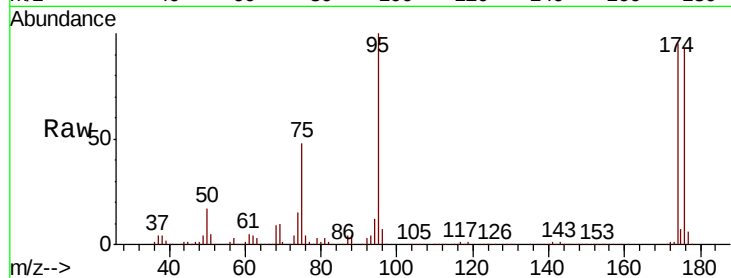
JTY-GW-TB

Tot Ion: 75 Resp: 113202

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

100000

80000

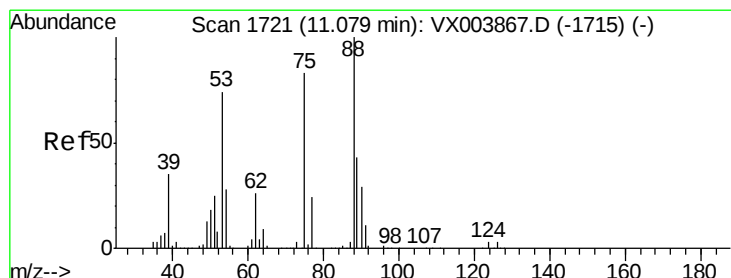
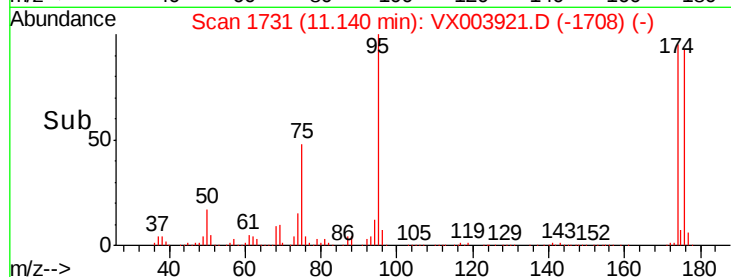
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

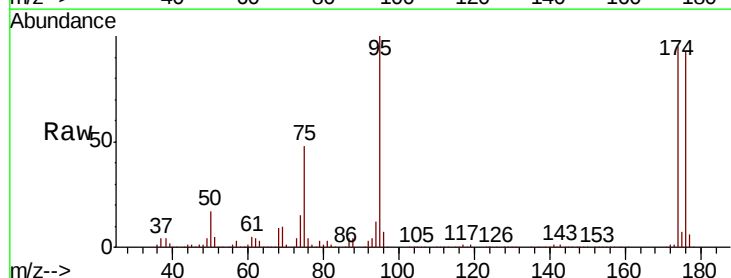
Tgt Ion: 75 Resp: 113202

Ion Ratio Lower Upper

75 100

53 0.1 80.3 120.5#

89 0.0 37.8 56.8#



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

120000

100000

80000

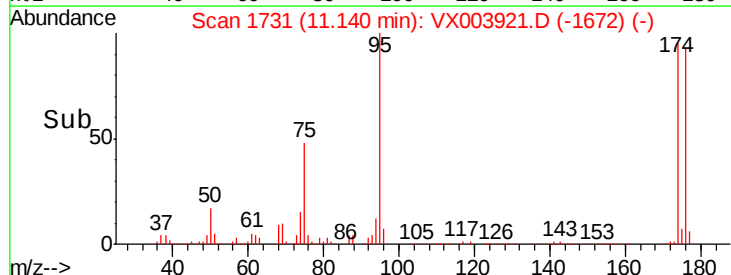
60000

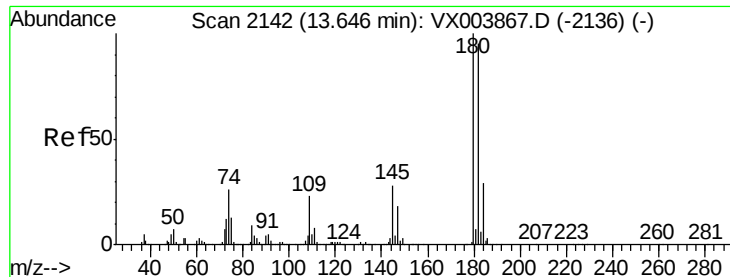
40000

20000

0

Time-->

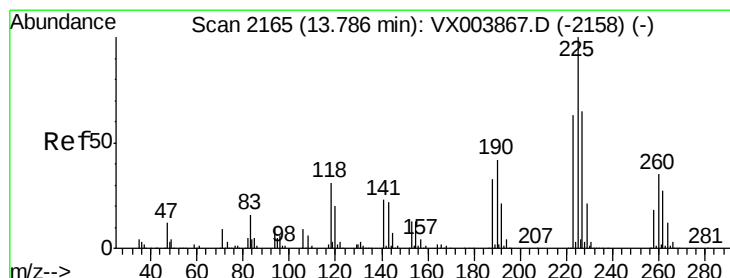
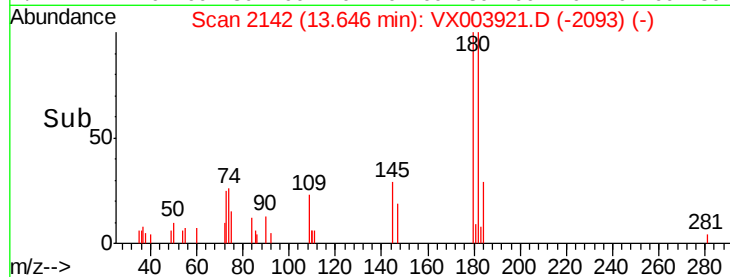
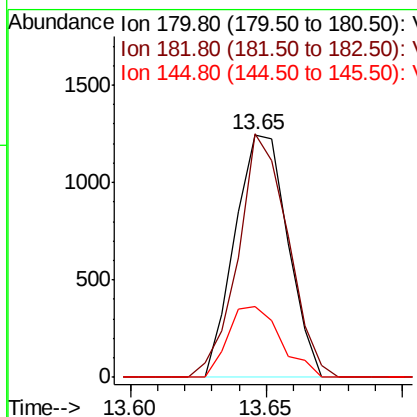
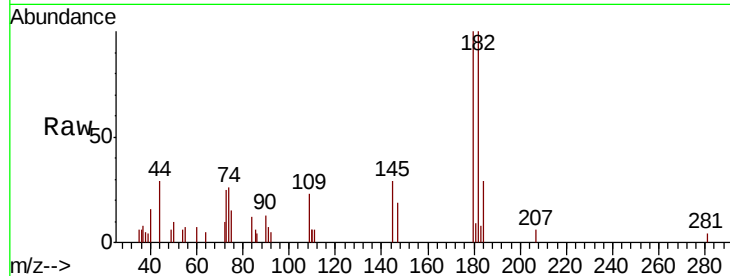




#93
 1,2,4-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

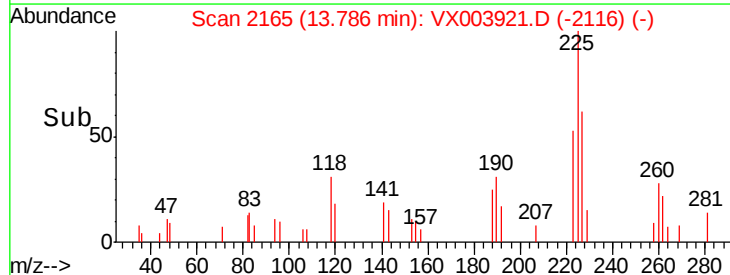
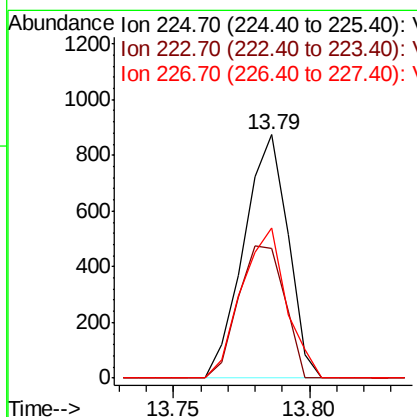
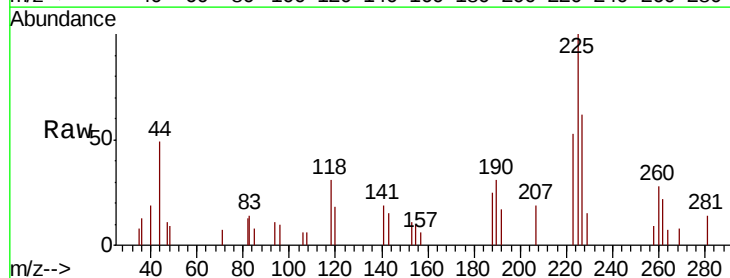
Instrument :
 MSVOA_X
 ClientSampleId :
 JTY-GW-TB

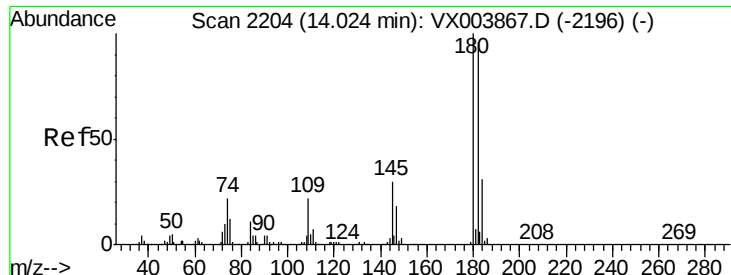
Tot Ion:180 Resp: 1673
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.7 143.1
 145 29.0 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 0.77 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

Tgt Ion:225 Resp: 984
 Ion Ratio Lower Upper
 225 100
 223 57.1 31.4 94.0
 227 62.7 32.1 96.5

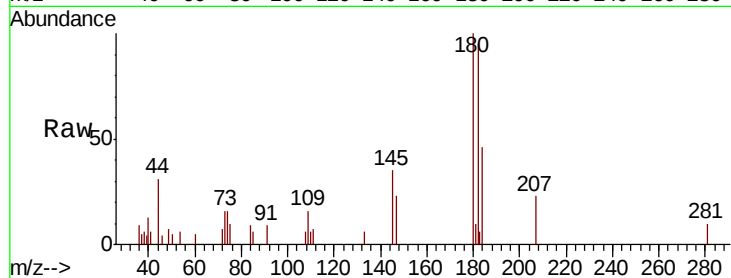




#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003921.D
 Acq: 08 Aug 2018 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 JTY-GW-TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	111.0	48.1	144.4
145	33.6	14.9	44.7



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

