

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001644.D
 Acq On : 11 May 2018 17:27
 Operator : JC/MD
 Sample : J2741-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-180501

Quant Time: May 12 03:35:49 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	244372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	201344	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	5.51	113	157967	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	8.72	98	556107	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.15	95	184169	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

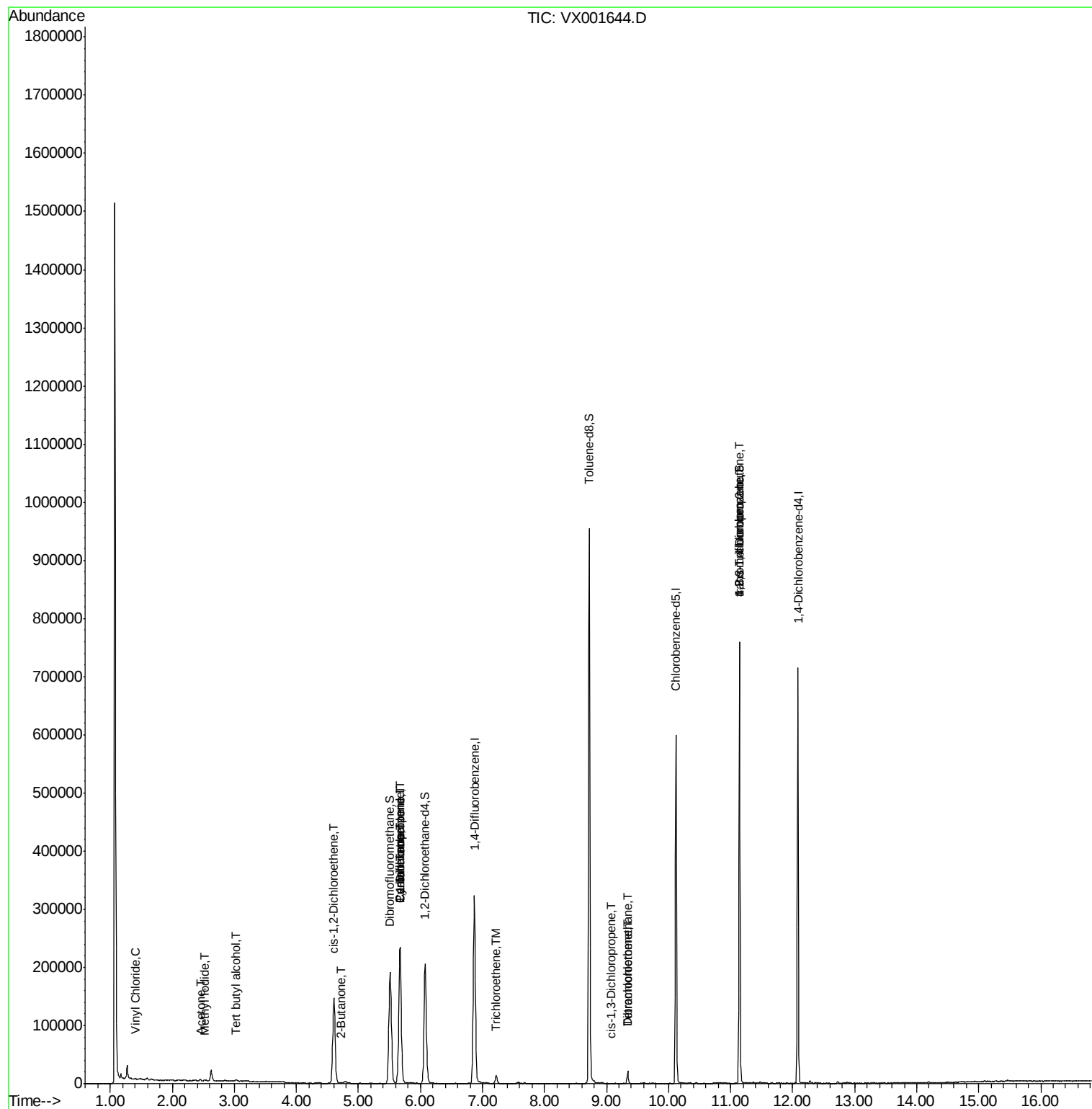
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1041	0.31	ug/l	95
5) Bromomethane	1.66	94	1264	Below	Cal	88
10) Methyl Iodide	2.52	142	1144	0.27	ug/l #	90
11) Tert butyl alcohol	3.03	59	1692	2.28	ug/l #	80
13) Acrolein	2.31	56	18	Below	Cal #	1
16) Acetone	2.45	43	2489	1.56	ug/l #	81
25) 2-Butanone	4.73	43	1286	0.56	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	95007	29.56	ug/l	86
31) Cyclohexane	5.67	56	4480	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15147	3.54	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21374	4.68	ug/l #	16
44) Trichloroethene	7.22	130	5608	1.47	ug/l	96
54) cis-1,3-Dichloropropene	9.07	75	24	2.27	ug/l #	8
60) Dibromochloromethane	9.34	129	3829	1.14	ug/l #	11
64) Tetrachloroethene	9.34	164	4586	1.14	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	90933	28.86	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90933	88.41	ug/l #	7

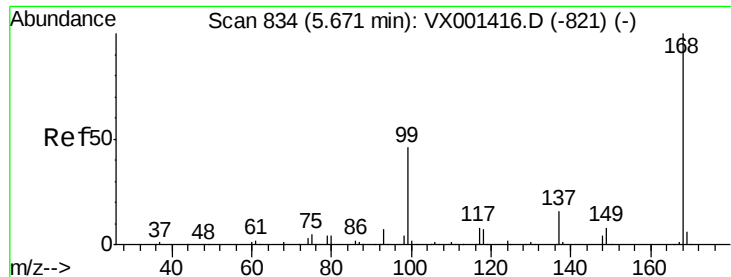
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

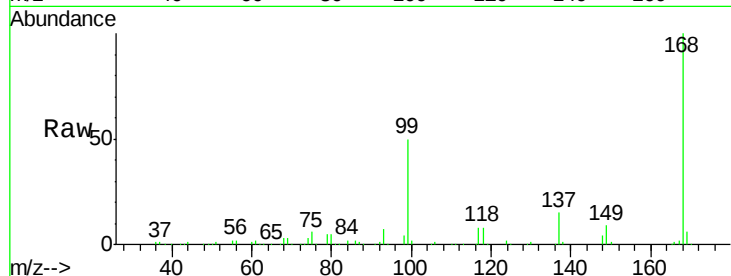
ST008MW153-180501

Tgt Ion:168 Resp: 244372

Ion Ratio Lower Upper

168 100

99 49.5 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

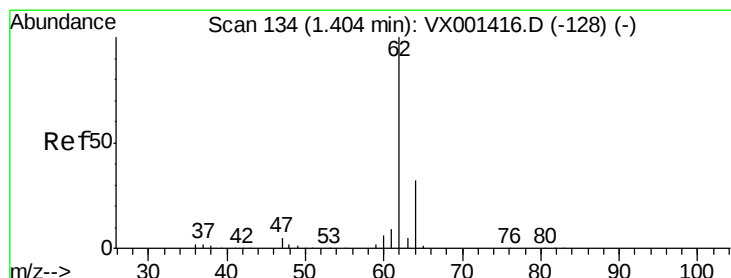
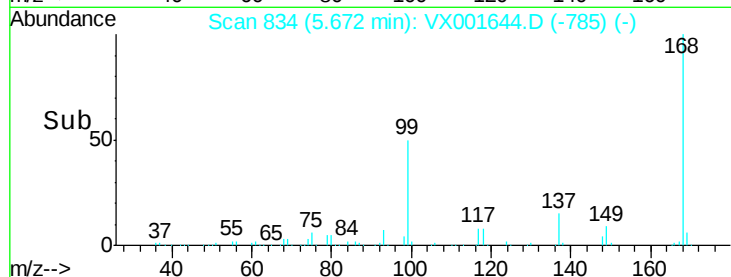
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.31 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001644.D

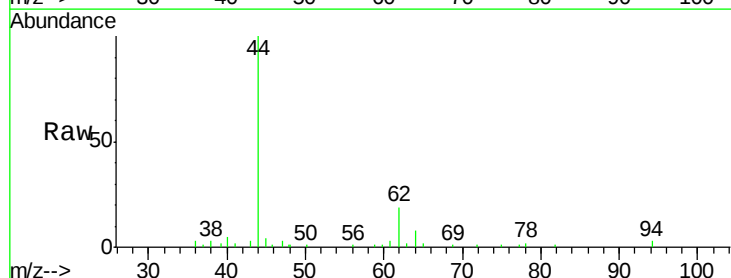
Acq: 11 May 2018 17:27

Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

64 29.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

1200

1000

800

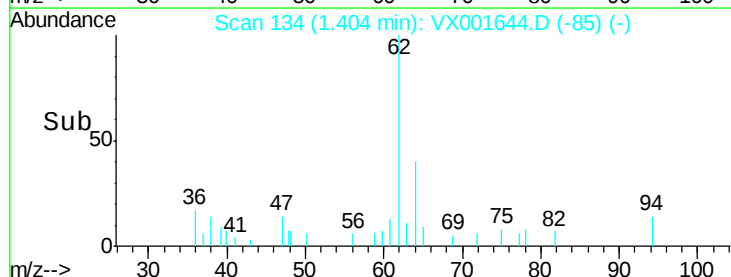
600

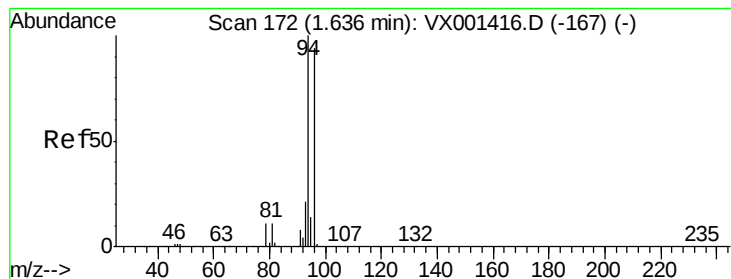
400

200

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

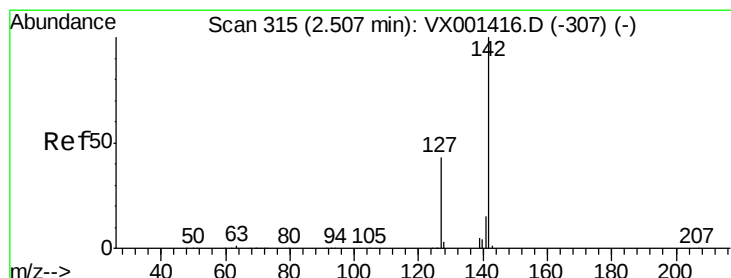
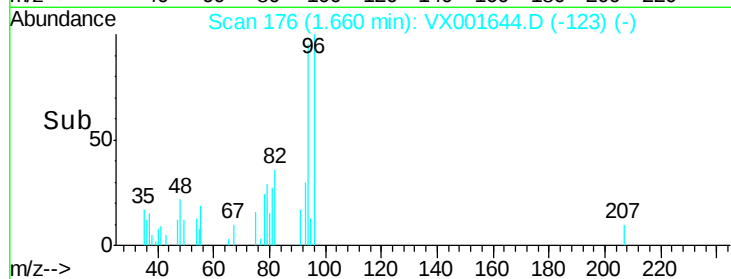
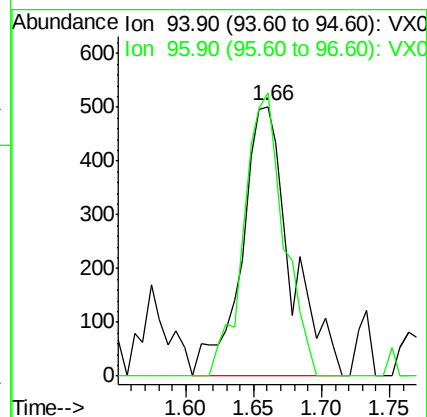
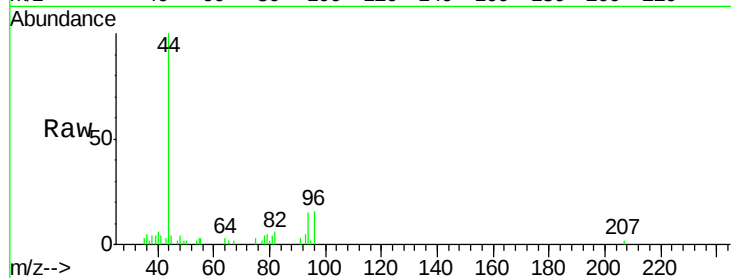
ST008MW153-180501

Tgt Ion: 94 Resp: 1264

Ion Ratio Lower Upper

94 100

96 105.2 75.0 112.6



#10

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

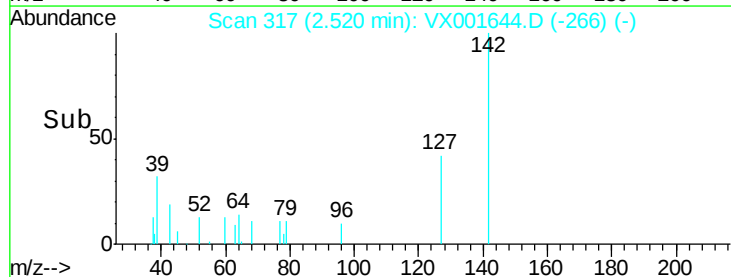
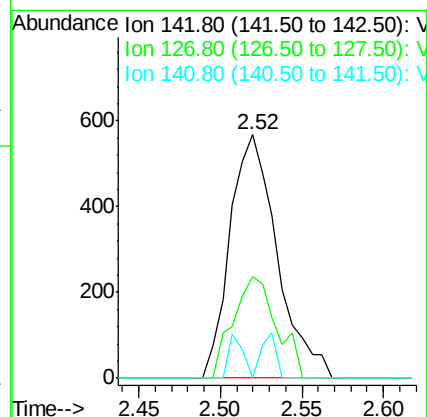
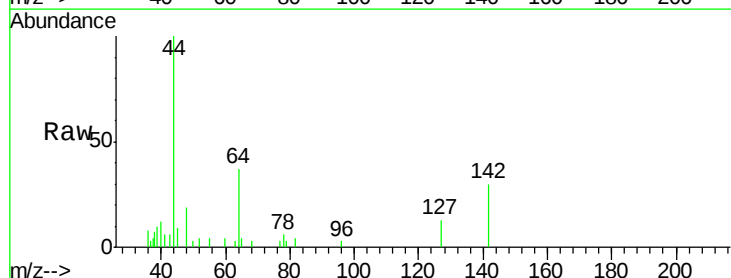
Tgt Ion: 142 Resp: 1144

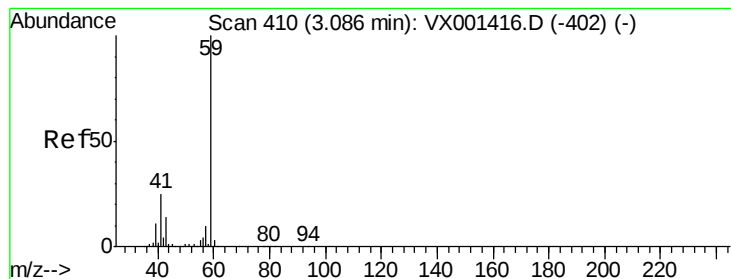
Ion Ratio Lower Upper

142 100

127 38.3 33.6 50.4

141 5.4 11.4 17.2#



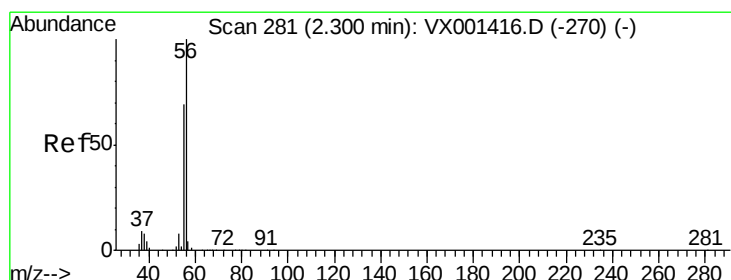
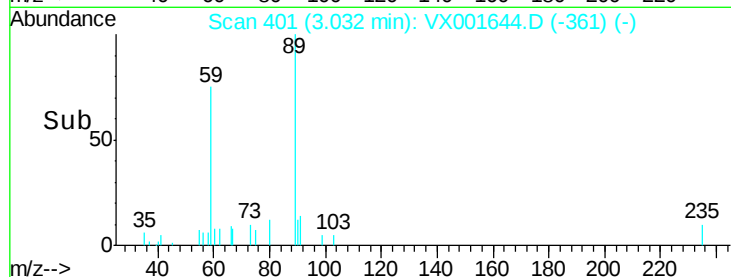
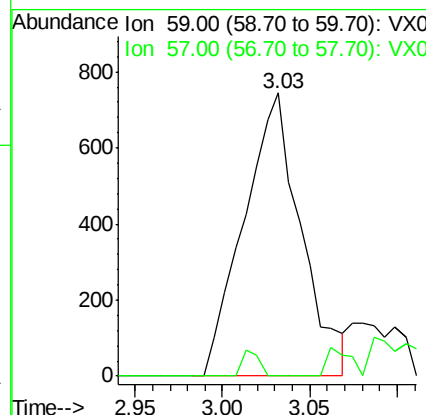
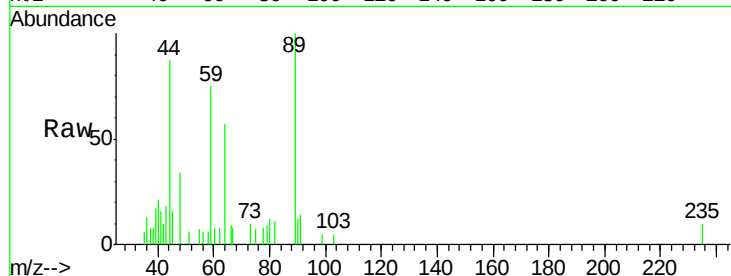


#11

Tert butyl alcohol
 Concen: 2.28 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.05 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-180501

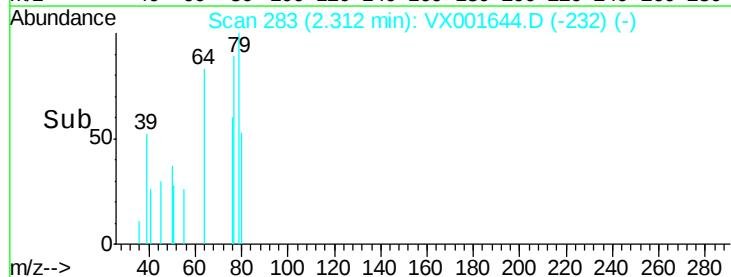
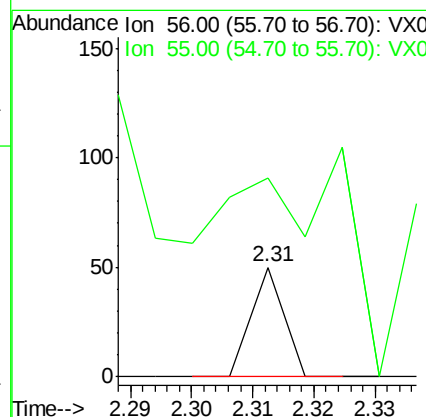
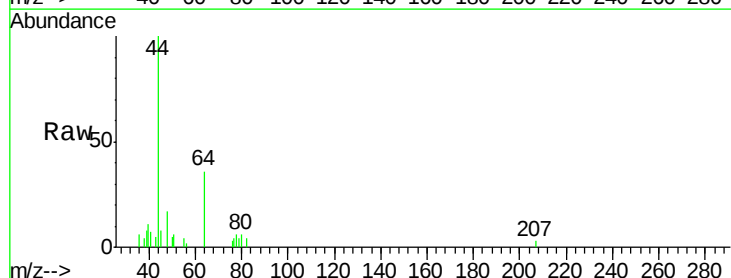
Tgt Ion: 59 Resp: 1692
 Ion Ratio Lower Upper
 59 100
 57 2.7 8.2 12.4#

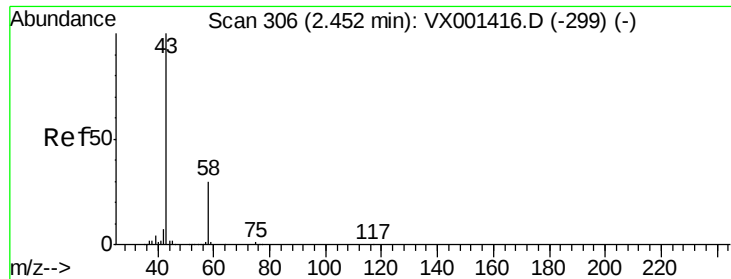


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

Tgt Ion: 56 Resp: 18
 Ion Ratio Lower Upper
 56 100
 55 694.4 54.5 81.7#





#16

Acetone

Concen: 1.56 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

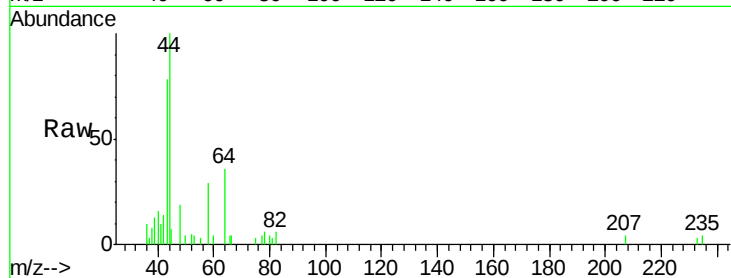
ST008MW153-180501

Tgt Ion: 43 Resp: 2489

Ion Ratio Lower Upper

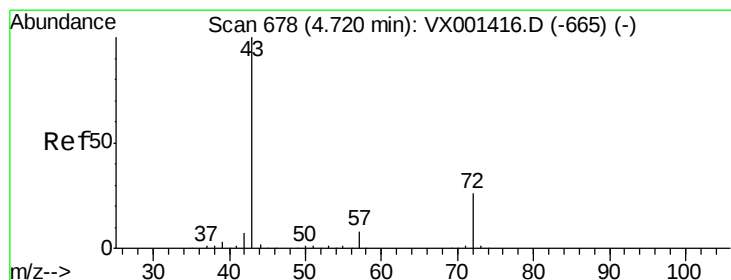
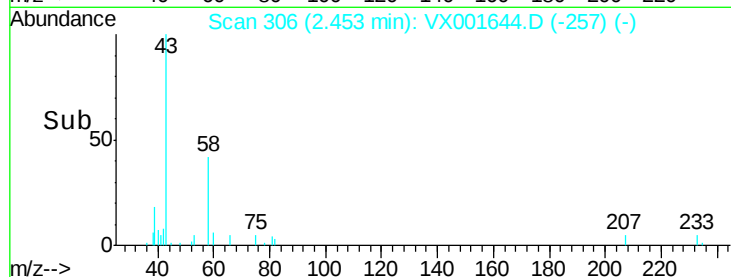
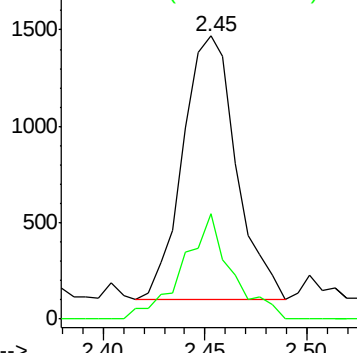
43 100

58 39.9 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.56 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001644.D

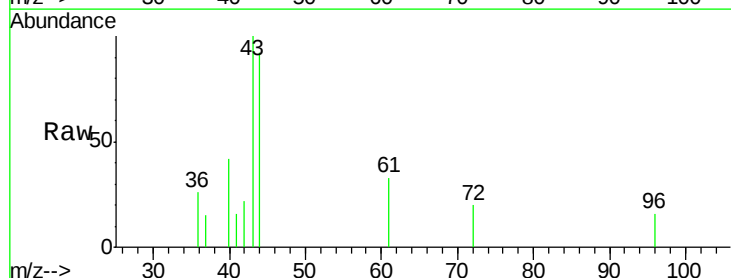
Acq: 11 May 2018 17:27

Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

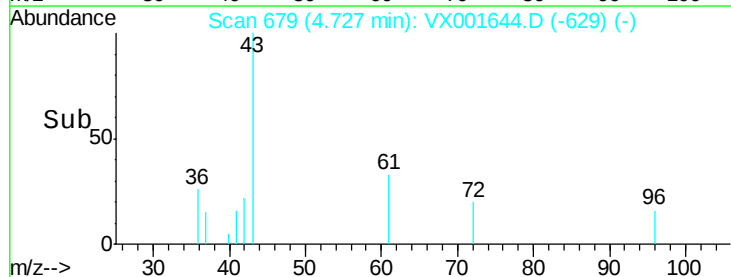
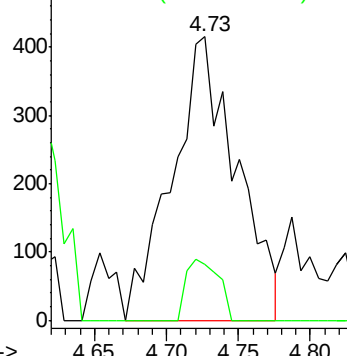
43 100

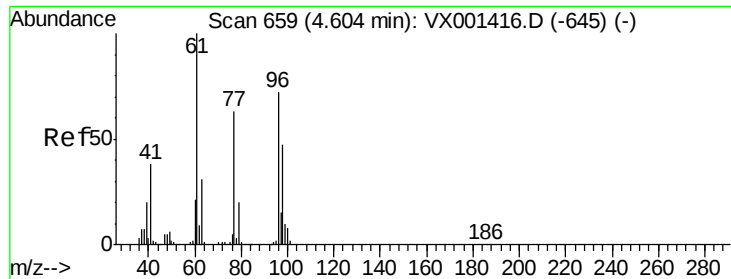
72 19.8 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



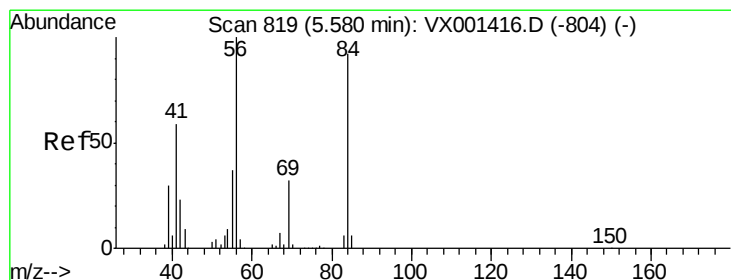
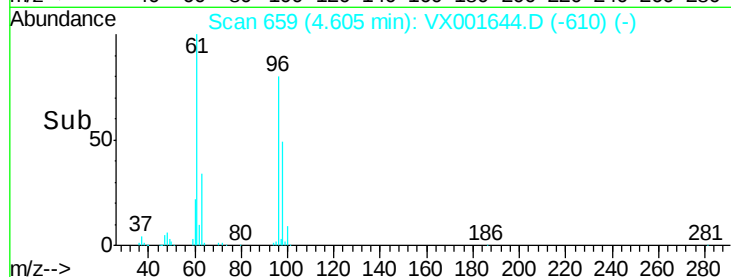
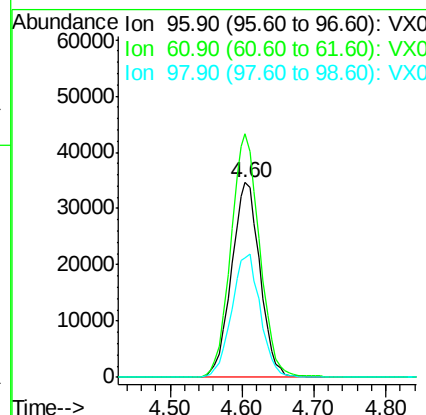
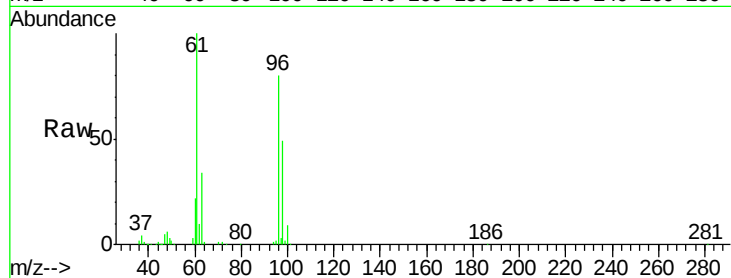


#27

cis-1,2-Dichloroethene
 Concen: 29.56 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-180501

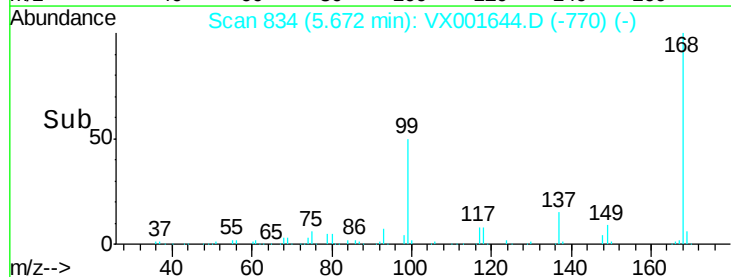
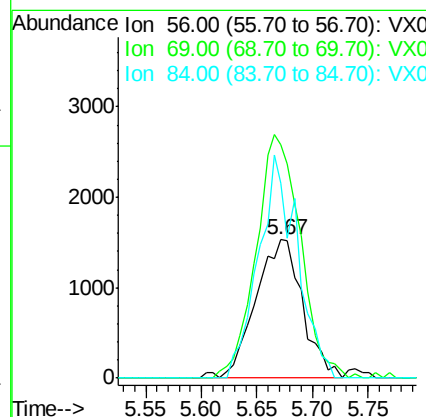
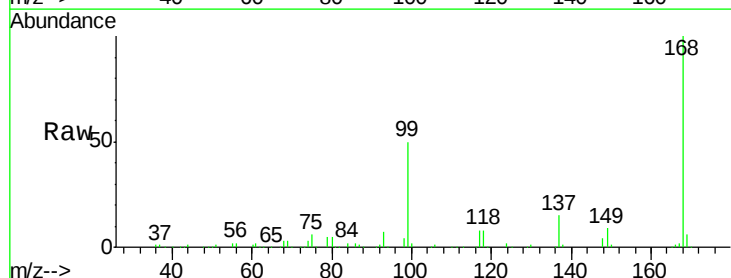
Tgt Ion: 96 Resp: 95007
 Ion Ratio Lower Upper
 96 100
 61 126.7 0.0 301.6
 98 63.7 0.0 131.6

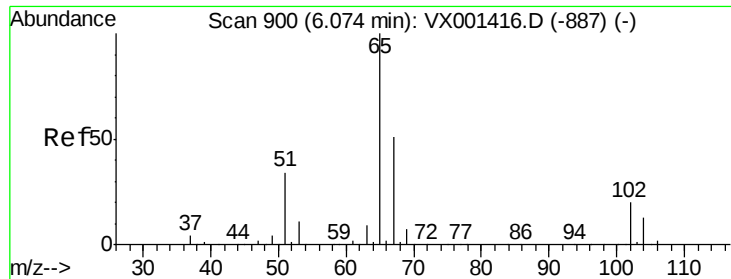


#31

Cyclohexane
 Concen: 0.99 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.09 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

Tgt Ion: 56 Resp: 4480
 Ion Ratio Lower Upper
 56 100
 69 168.6 25.4 38.0#
 84 141.5 73.8 110.8#

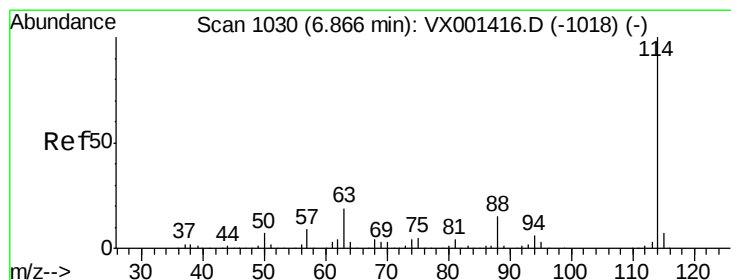
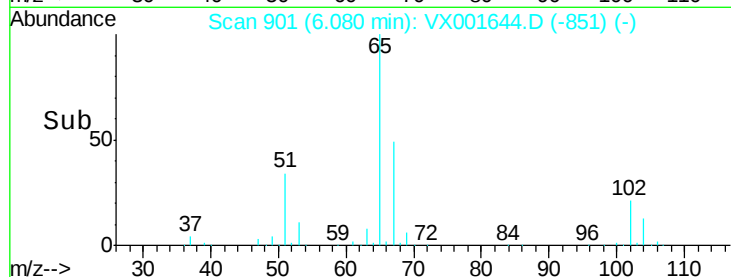
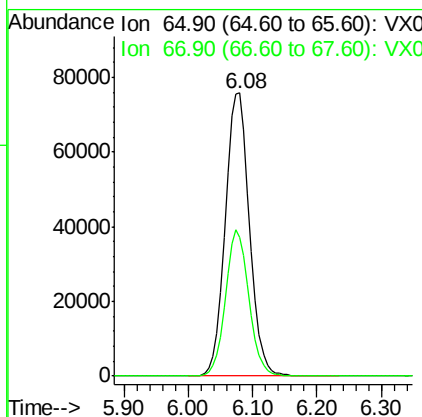
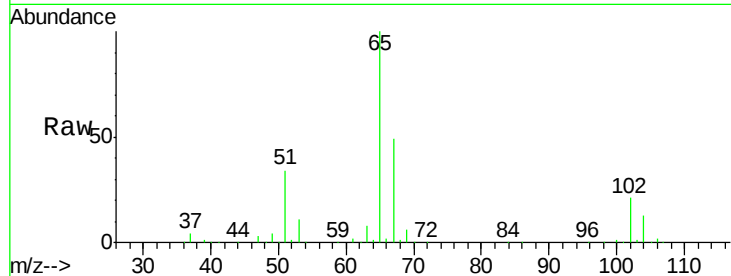




#33
 1,2-Dichloroethane-d4
 Concen: 57.32 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

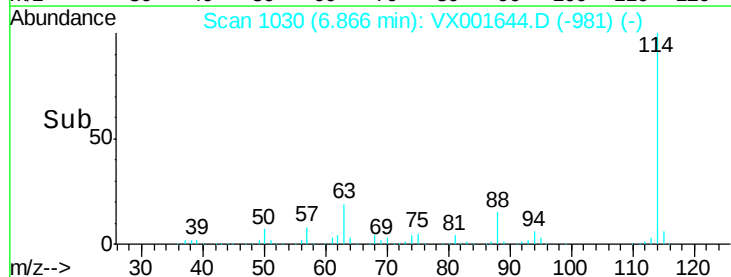
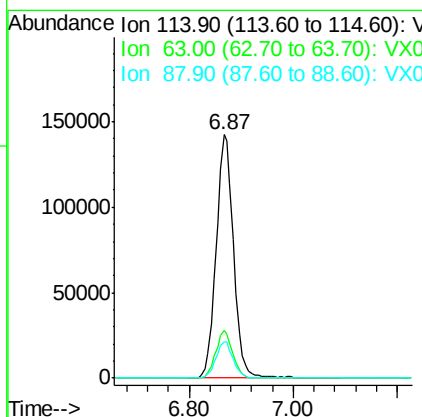
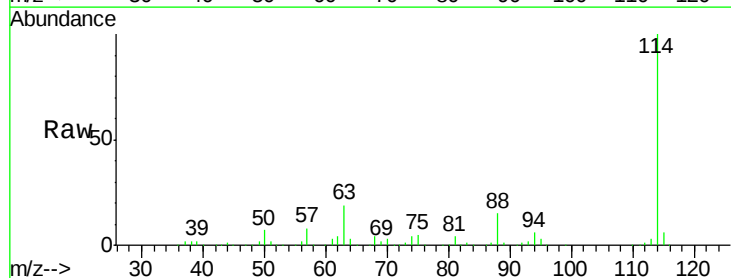
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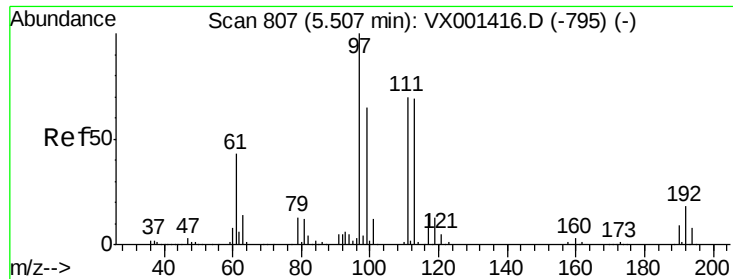
Tgt Ion: 65 Resp: 201344
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

Tgt Ion: 114 Resp: 336376
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 14.8 0.0 30.8

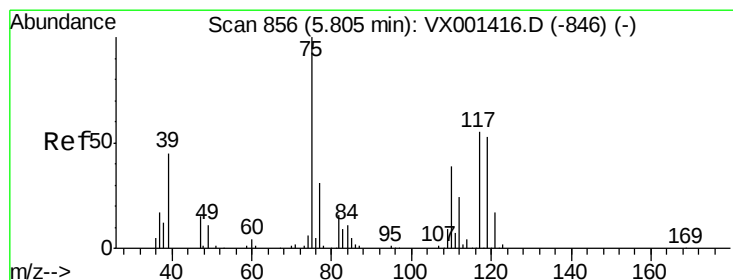
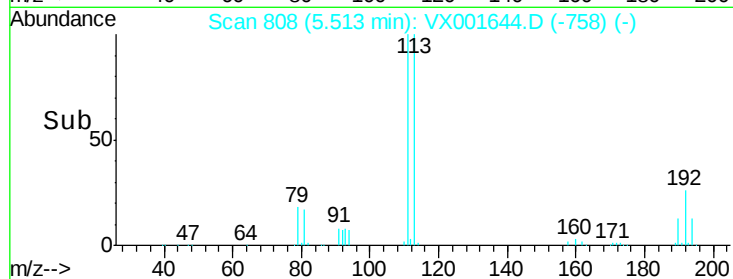
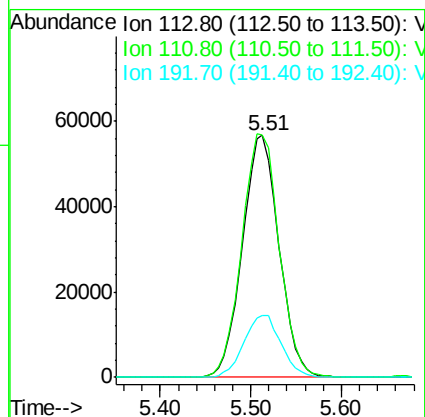
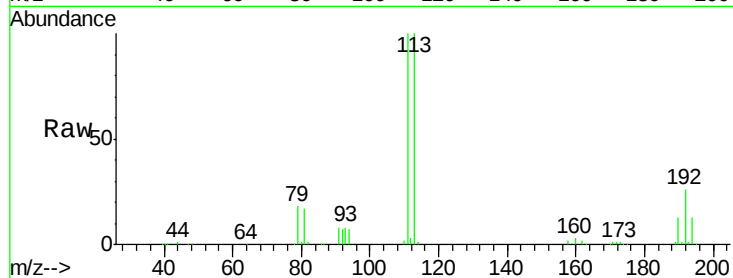




#35
 Dibromofluoromethane
 Concen: 52.80 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

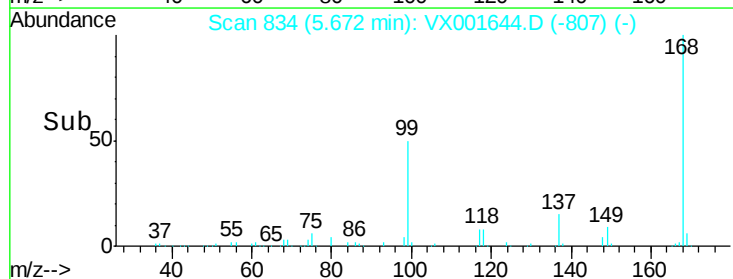
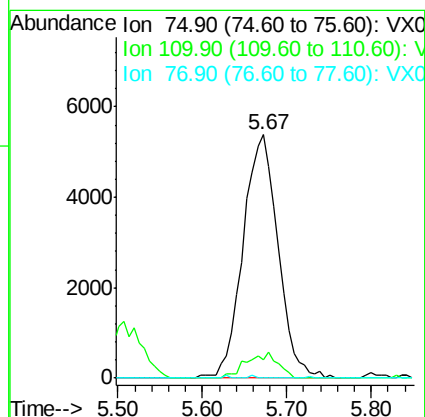
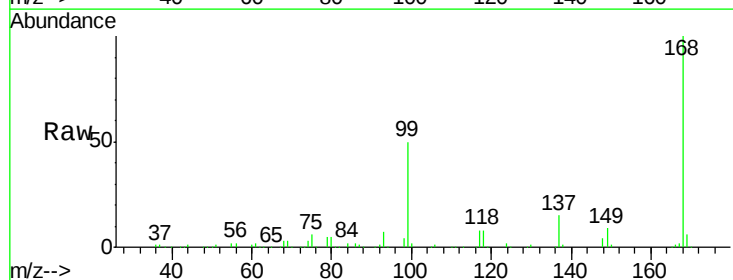
Instrument :
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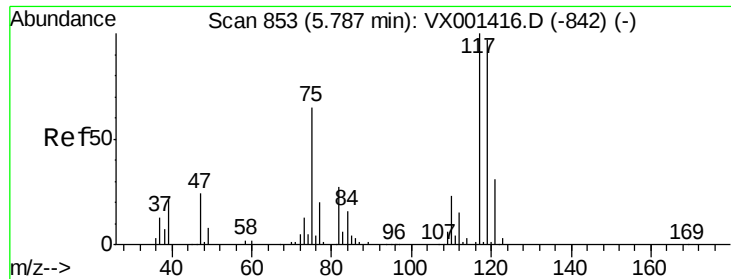
Tgt Ion:113 Resp: 157967
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 26.1 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.54 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001644.D
 Acq: 11 May 2018 17:27

Tgt Ion: 75 Resp: 15147
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.9 56.7#
 77 0.2 24.9 37.3#

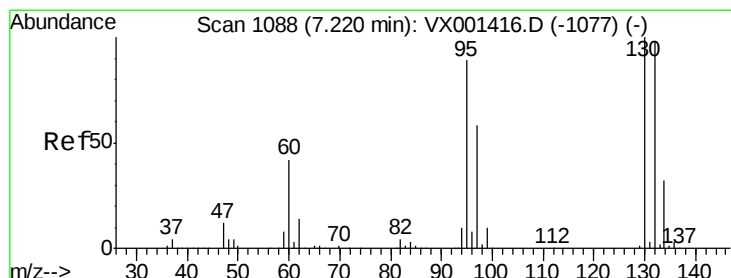
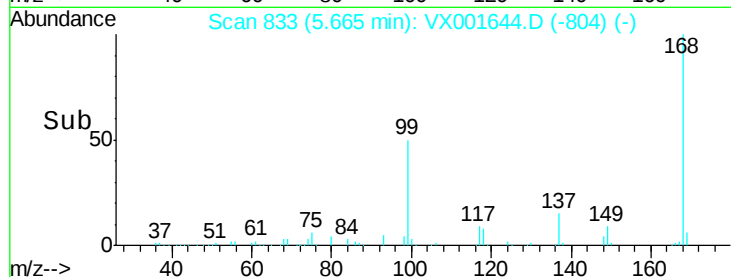
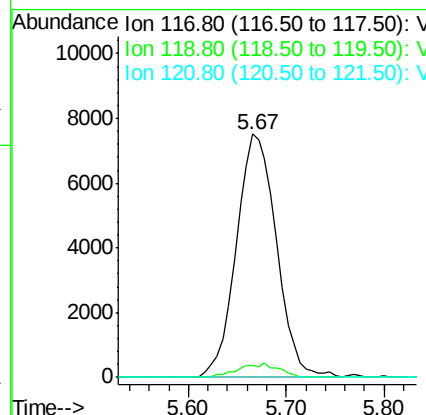
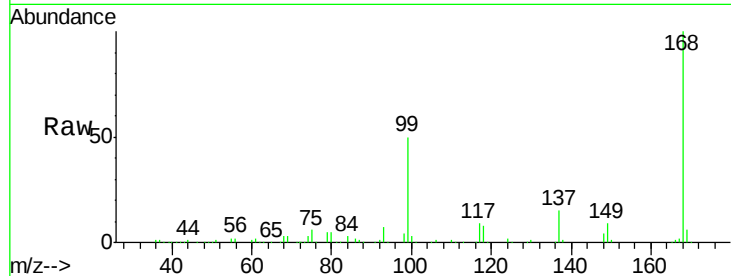




#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001644.D
Acq: 11 May 2018 17:27

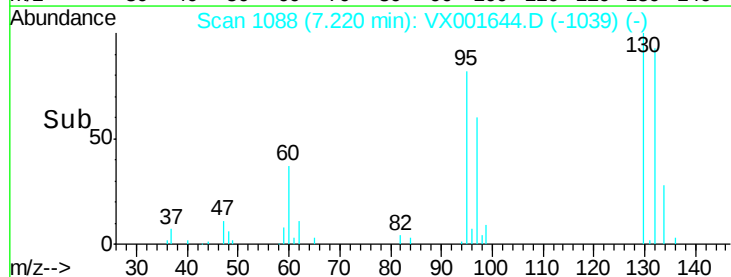
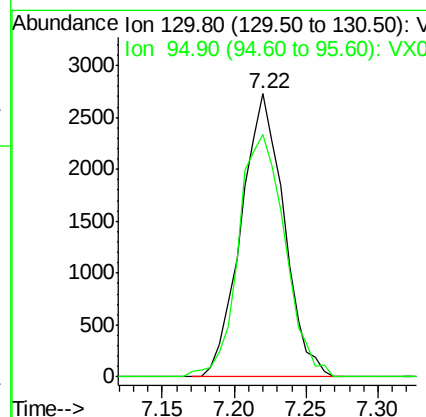
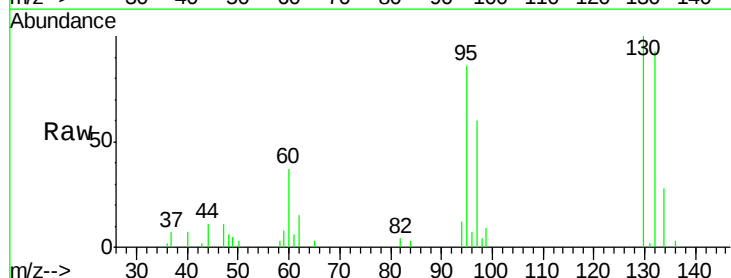
Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-180501

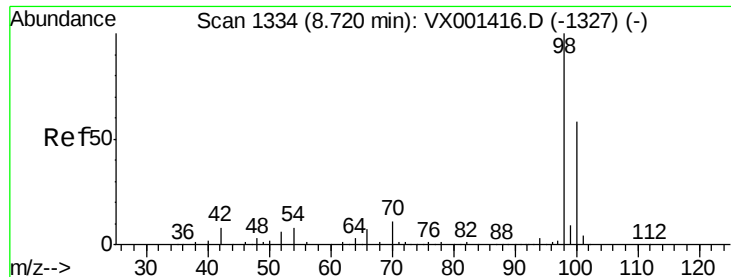
Tgt Ion:117 Resp: 21374
Ion Ratio Lower Upper
117 100
119 5.1 77.0 115.6#
121 0.0 25.1 37.7#



#44
Trichloroethene
Concen: 1.47 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001644.D
Acq: 11 May 2018 17:27

Tgt Ion:130 Resp: 5608
Ion Ratio Lower Upper
130 100
95 85.6 0.0 178.4





#50

Toluene-d8

Concen: 50.92 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

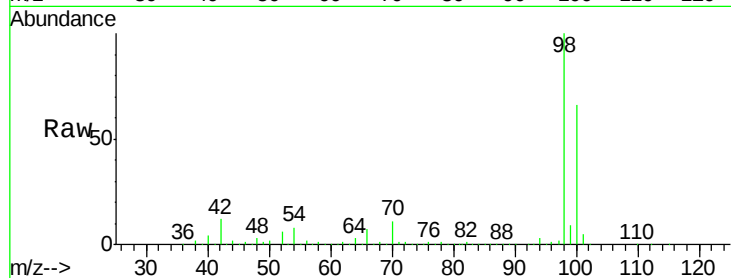
ST008MW153-180501

Tgt Ion: 98 Resp: 556107

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): VX

8.72

400000

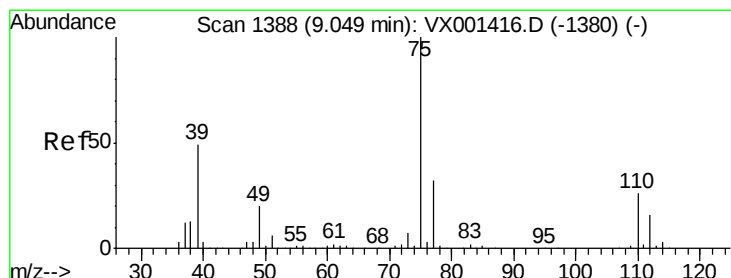
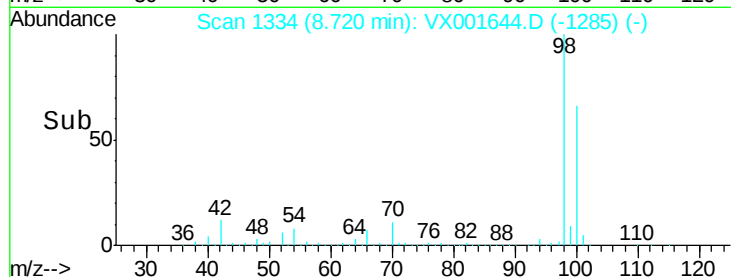
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.07 min Scan# 1391

Delta R.T. 0.02 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

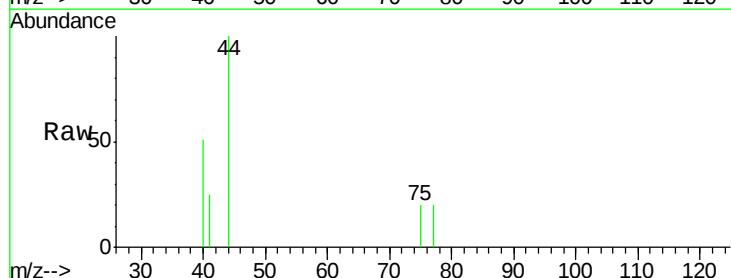
Tgt Ion: 75 Resp: 24

Ion Ratio Lower Upper

75 100

77 100.0 25.5 38.3#

39 0.0 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

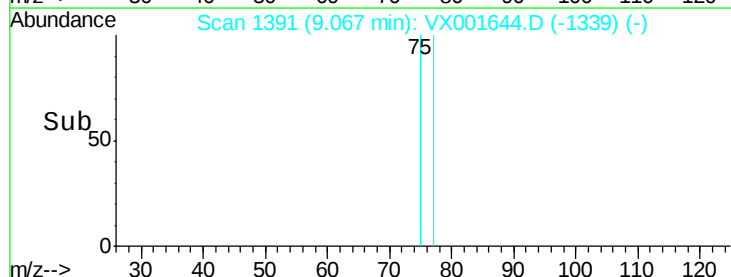
9.07

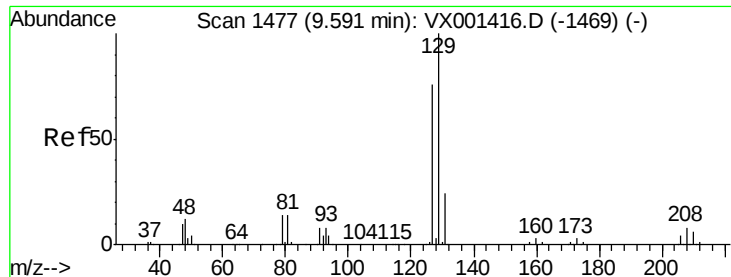
100

50

0

Time-->





#60

Dibromochloromethane

Concen: 1.14 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

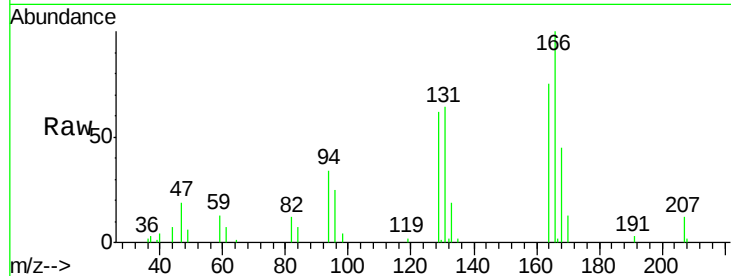
ST008MW153-180501

Tgt Ion:129 Resp: 3829

Ion Ratio Lower Upper

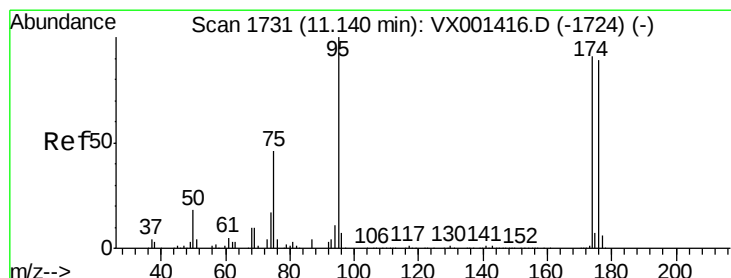
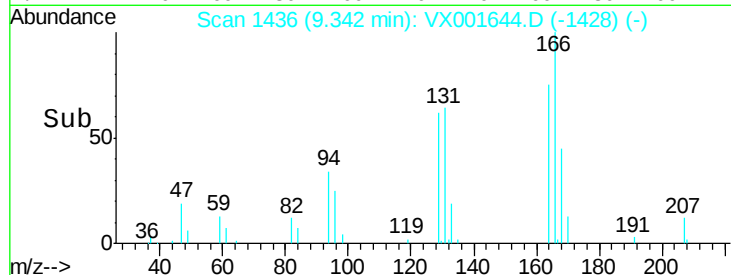
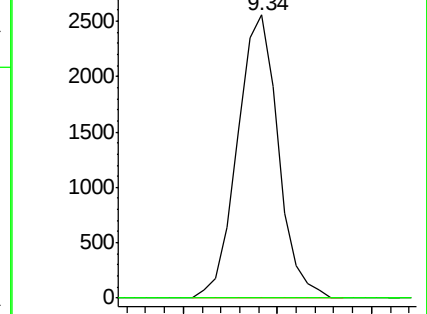
129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

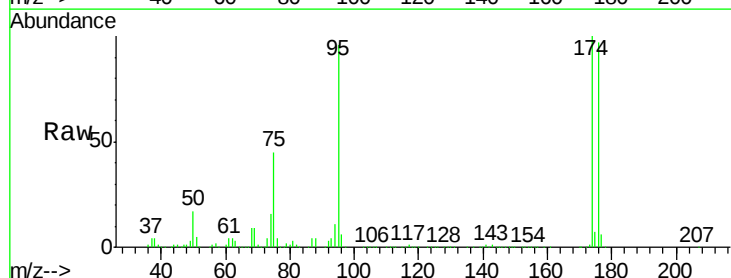
Tgt Ion: 95 Resp: 184169

Ion Ratio Lower Upper

95 100

174 99.4 0.0 202.0

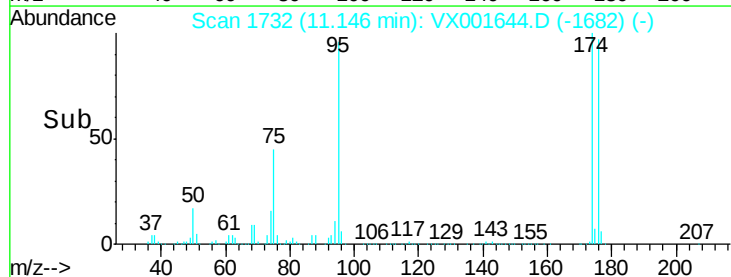
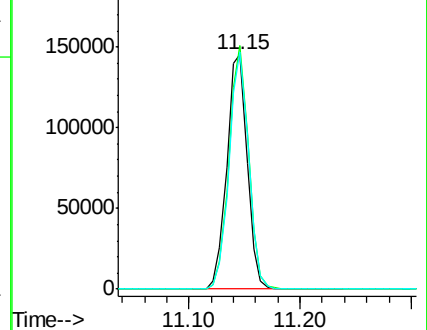
176 97.2 0.0 197.4

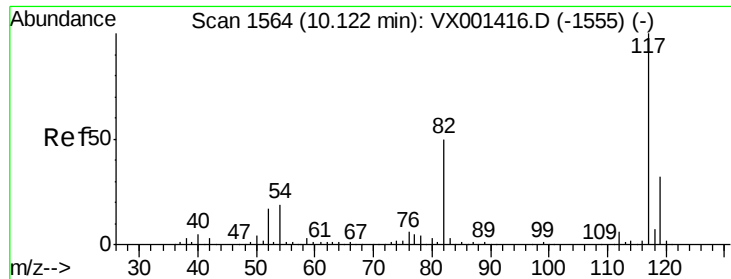


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

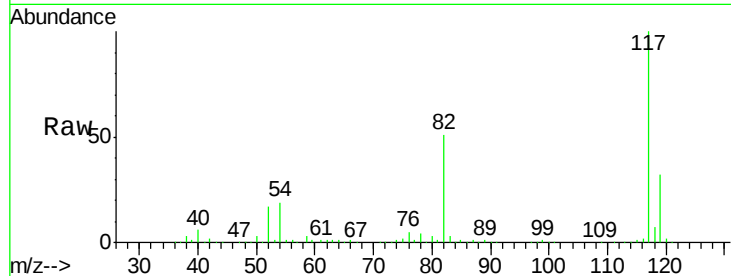




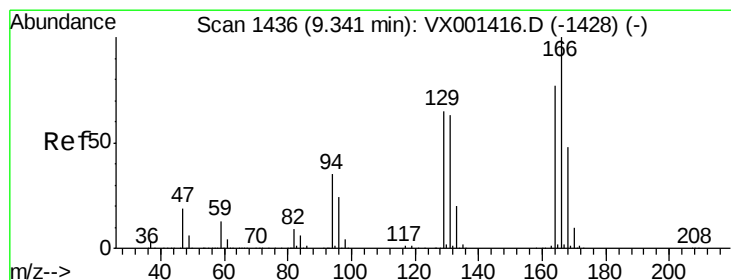
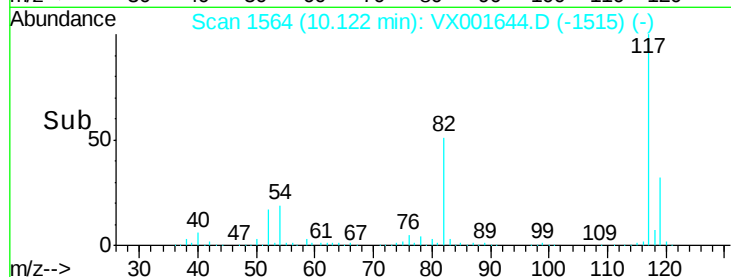
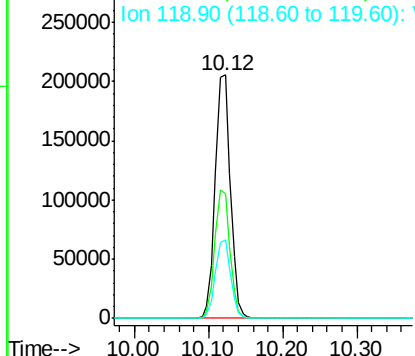
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001644.D
Acq: 11 May 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-180501

Tgt Ion:117 Resp: 287695
Ion Ratio Lower Upper
117 100
82 51.3 40.0 60.0
119 32.5 25.8 38.8

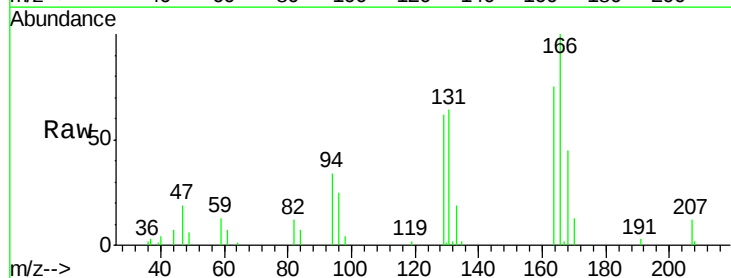


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

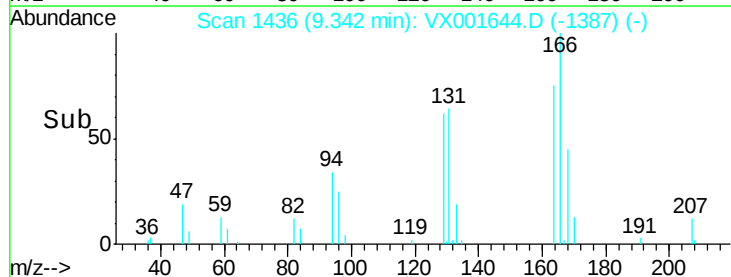
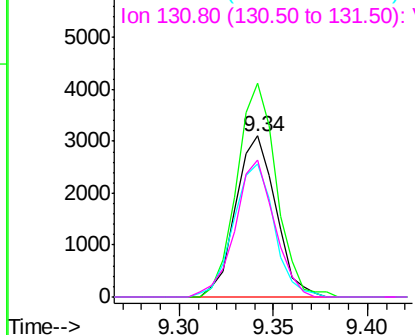


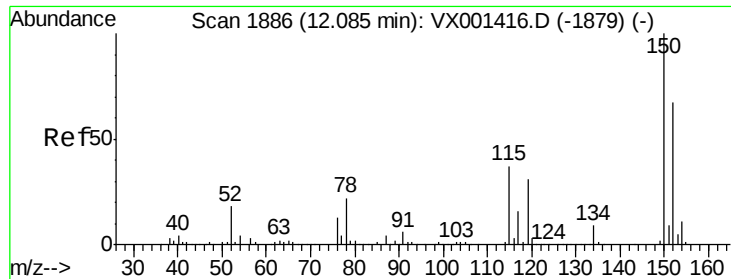
#64
Tetrachloroethene
Concen: 1.14 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001644.D
Acq: 11 May 2018 17:27

Tgt Ion:164 Resp: 4586
Ion Ratio Lower Upper
164 100
166 132.9 103.5 155.3
129 82.4 66.7 100.1
131 85.1 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: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-180501

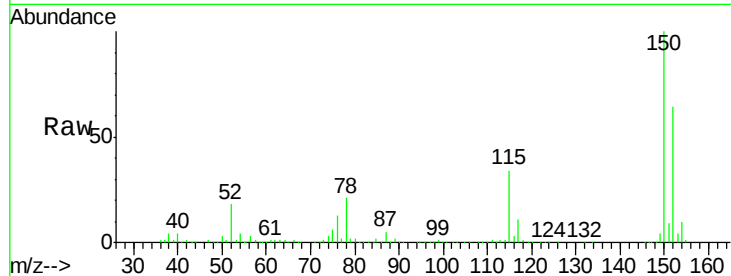
Tgt Ion:152 Resp: 155362

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

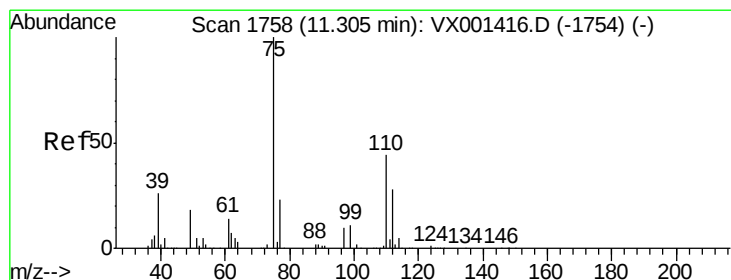
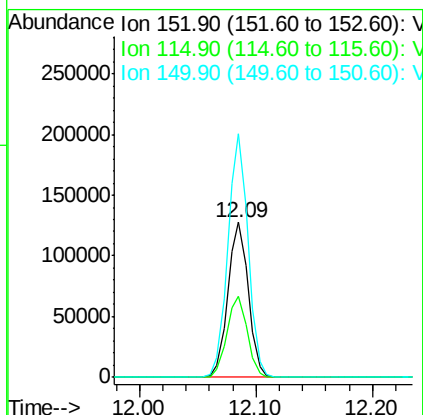
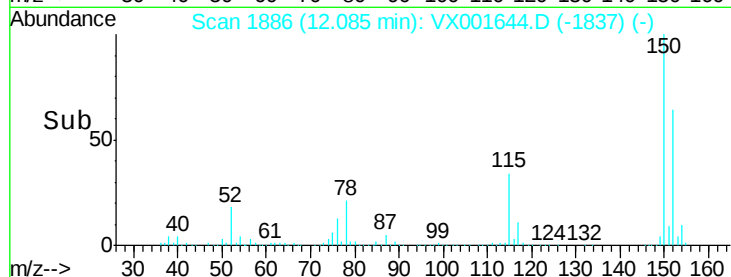
150 155.1 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 28.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001644.D

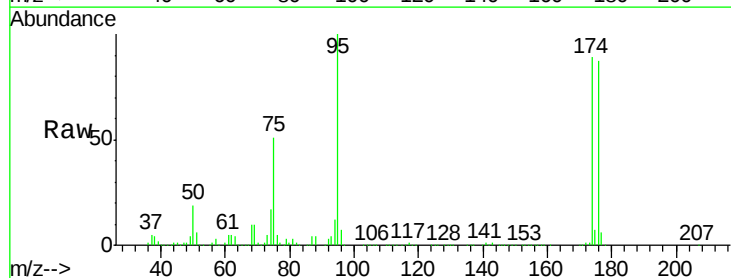
Acq: 11 May 2018 17:27

Tgt Ion: 75 Resp: 90933

Ion Ratio Lower Upper

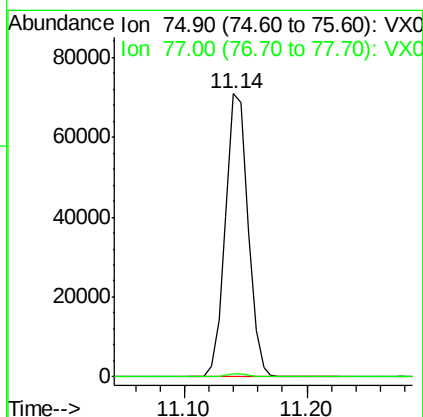
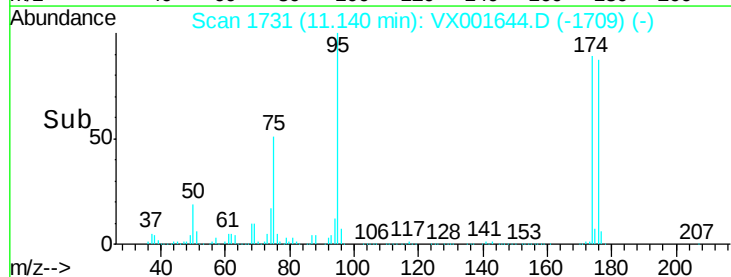
75 100

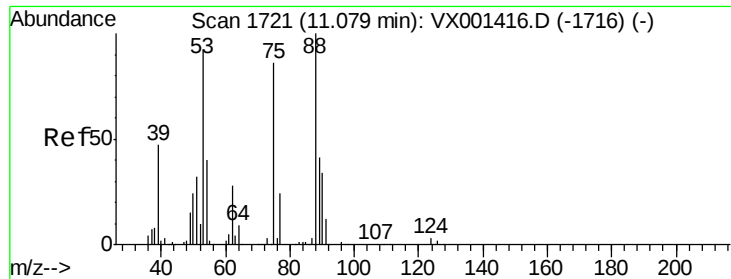
77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 88.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001644.D

Acq: 11 May 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-180501

Tgt Ion: 75 Resp: 90933

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#

