

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005388.D
 Acq On : 17 Oct 2018 14:02
 Operator : JC/MD
 Sample : J5572-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181016

Quant Time: Oct 17 16:40:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180274	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	165047	52.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	5.49	113	134628	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.71	98	478781	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.14	95	160652	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

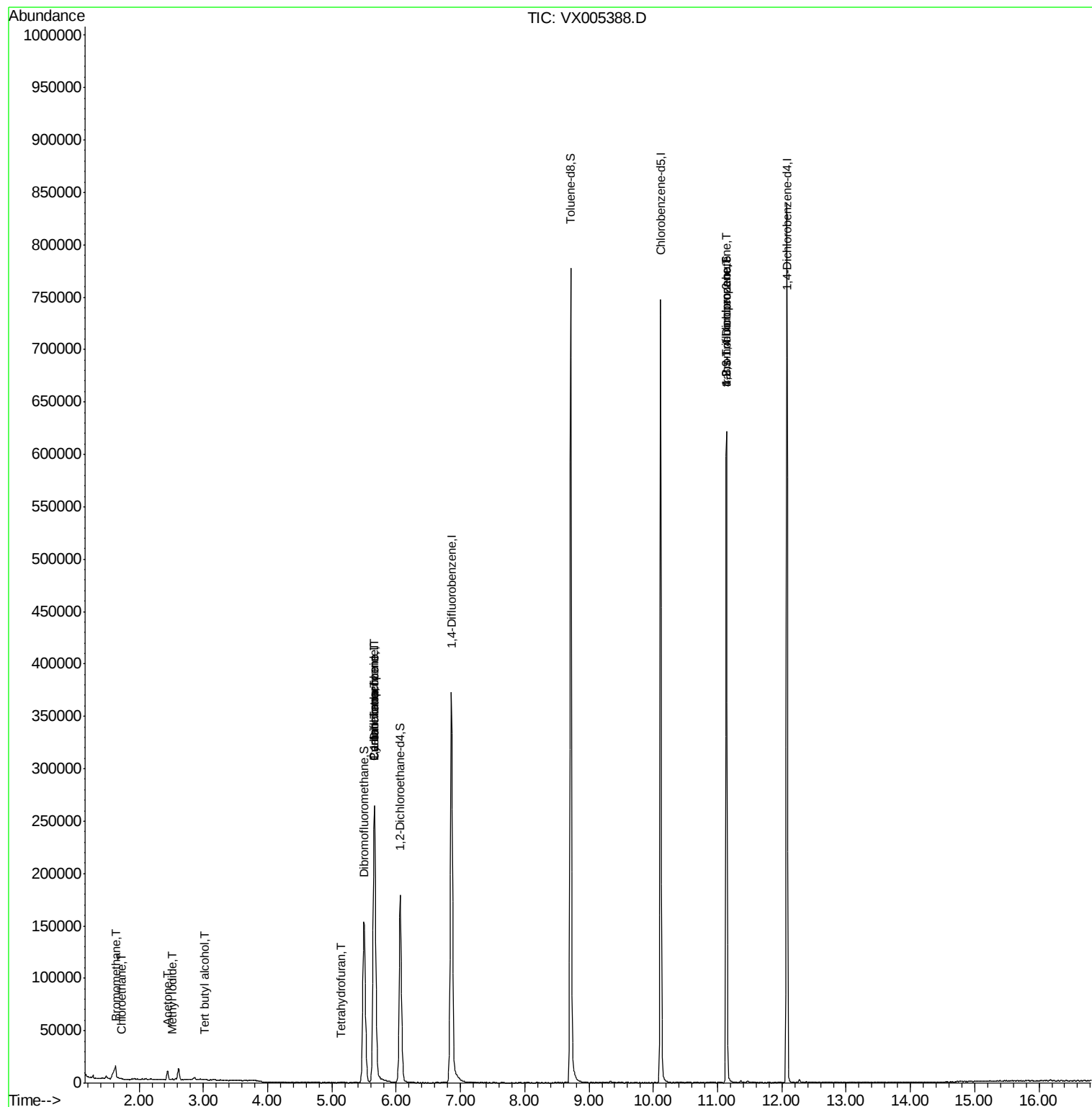
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	806	1.02	ug/l	82
6) Chloroethane	1.73	64	63	0.36	ug/l	# 44
10) Methyl Iodide	2.51	142	425	2.64	ug/l	# 83
11) Tert butyl alcohol	3.02	59	457	0.52	ug/l	# 72
13) Acrolein	2.30	56	48	Below	Cal	# 16
16) Acetone	2.44	43	9026	4.98	ug/l	96
20) Methylene Chloride	2.86	84	874	Below	Cal	# 78
29) Tetrahydrofuran	5.15	42	545	0.32	ug/l	# 60
31) Cyclohexane	5.66	56	4913	1.14	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	17856	4.61	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24781	6.37	ug/l	# 15
76) 1,2,3-Trichloropropane	11.13	75	78487	22.45	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.13	75	78487	68.20	ug/l	# 10

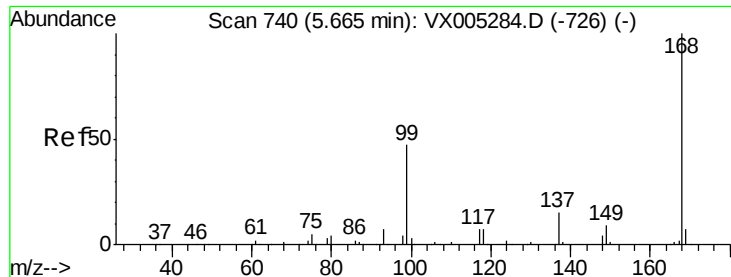
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

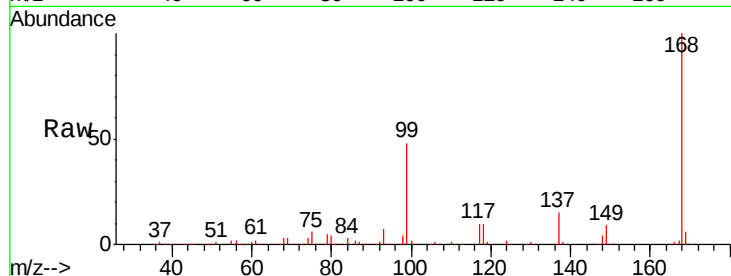
TB-01-181016

Tgt Ion:168 Resp: 282219

Ion Ratio Lower Upper

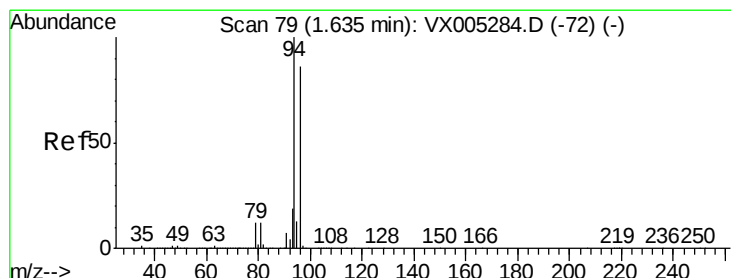
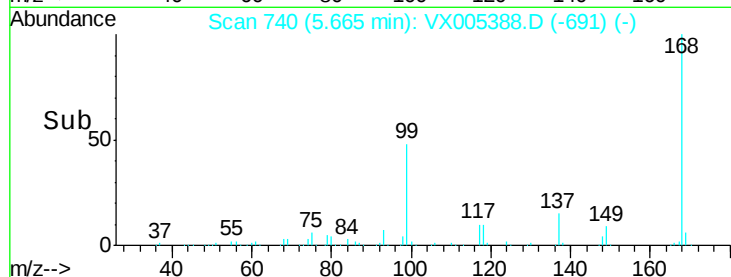
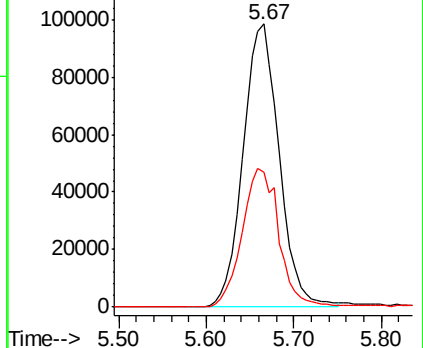
168 100

99 47.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.02 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005388.D

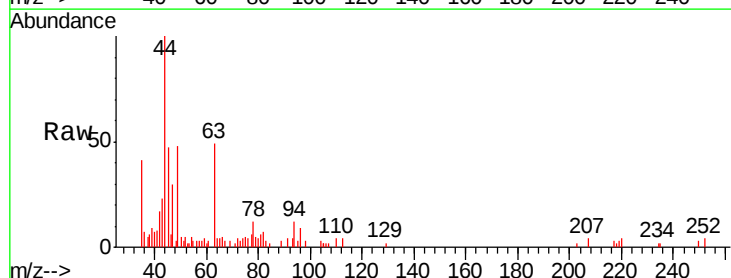
Acq: 17 Oct 2018 14:02

Tgt Ion: 94 Resp: 806

Ion Ratio Lower Upper

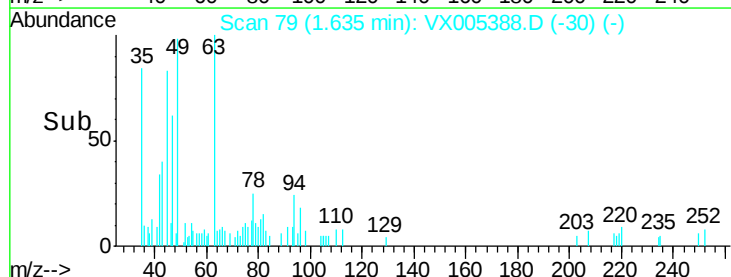
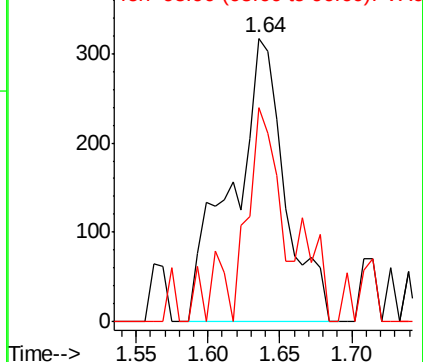
94 100

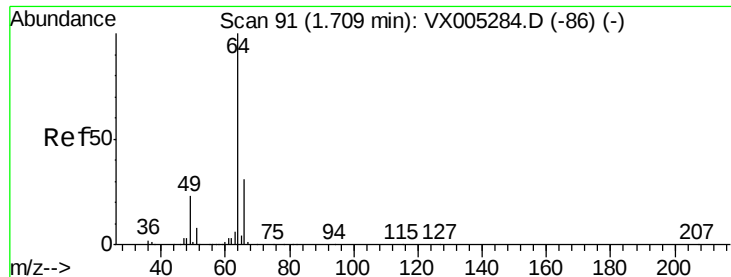
96 75.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.36 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

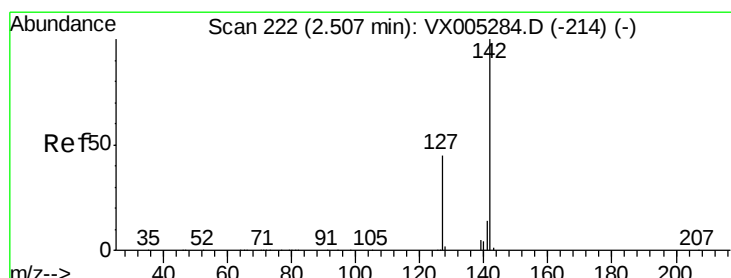
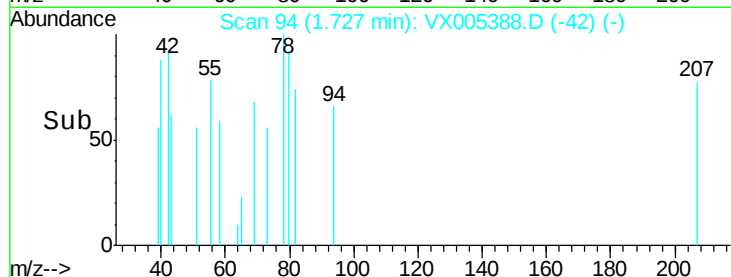
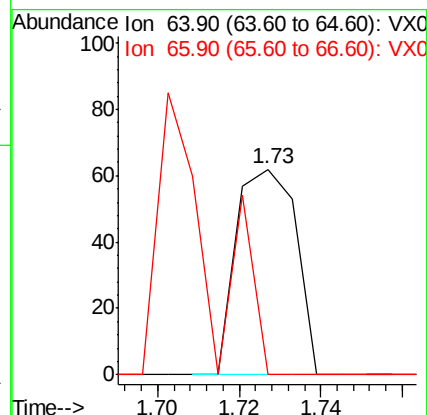
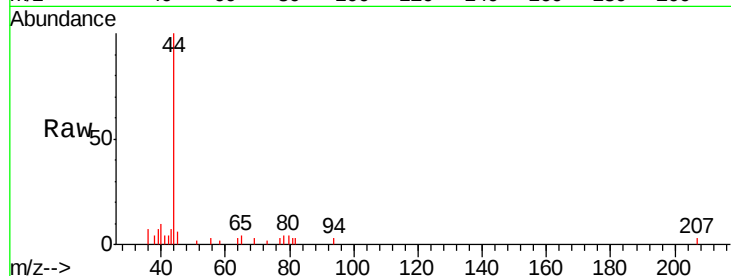
TB-01-181016

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.64 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

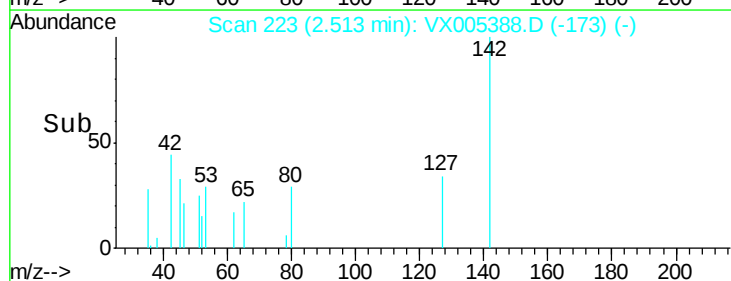
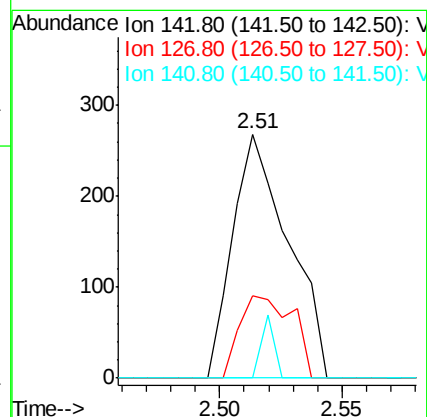
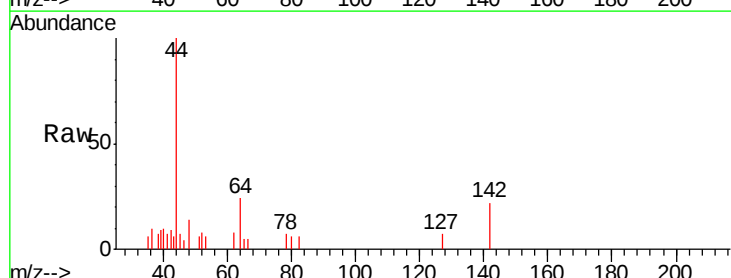
Tgt Ion: 142 Resp: 425

Ion Ratio Lower Upper

142 100

127 32.0 33.8 50.6#

141 6.1 11.4 17.0#



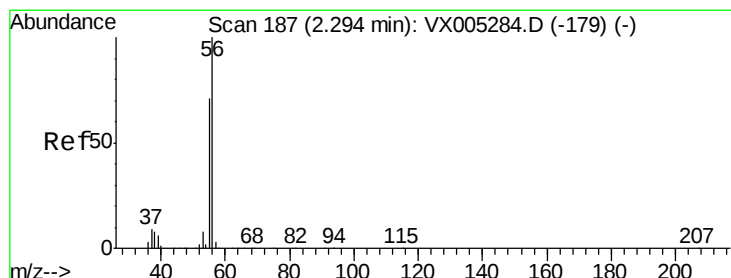
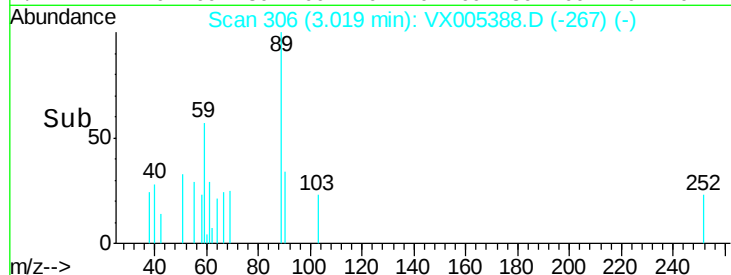
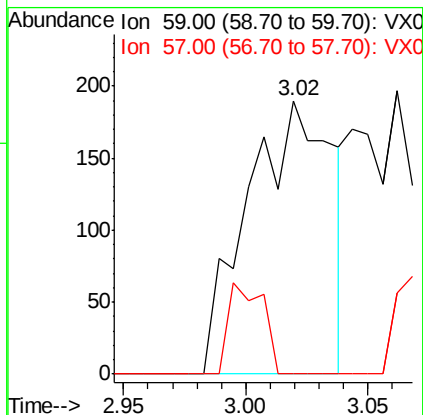
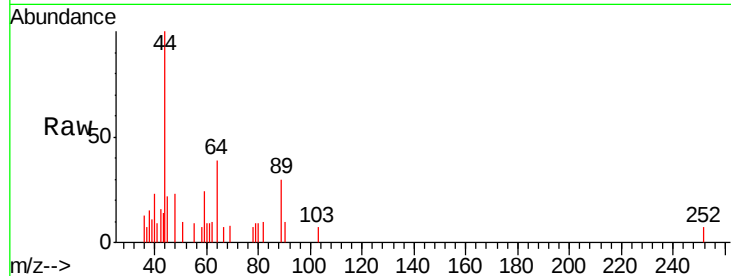


#11

Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005388.D
Acq: 17 Oct 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
TB-01-181016

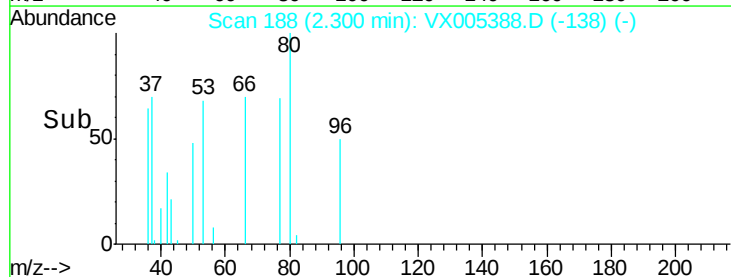
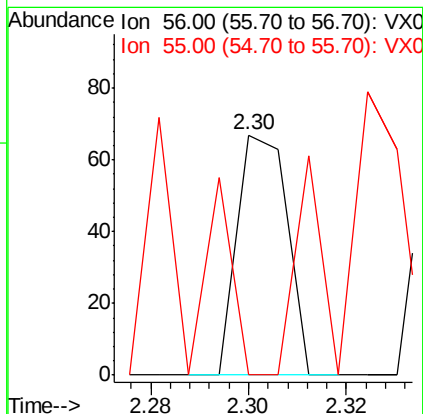
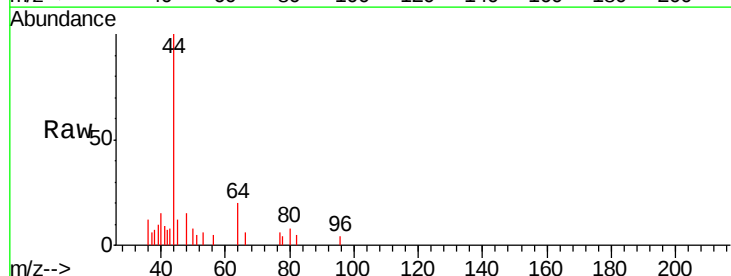
Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

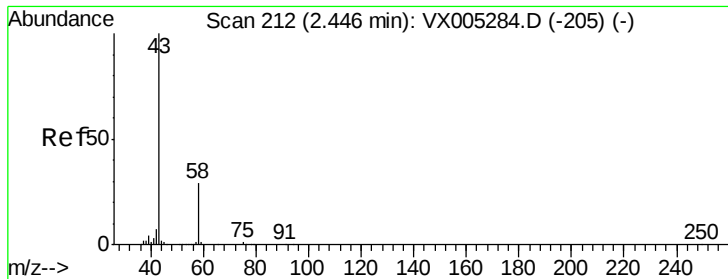


#13

Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005388.D
Acq: 17 Oct 2018 14:02

Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#16

Acetone

Concen: 4.98 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

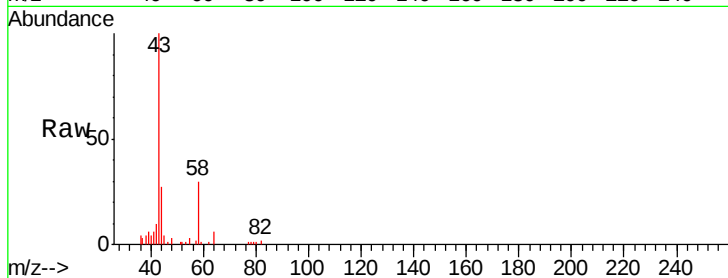
TB-01-181016

Tgt Ion: 43 Resp: 9026

Ion Ratio Lower Upper

43 100

58 30.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

6000

5000

4000

3000

2000

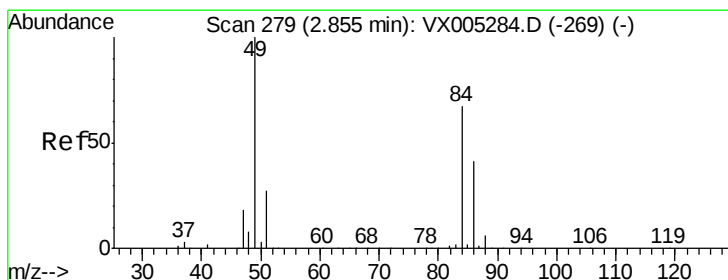
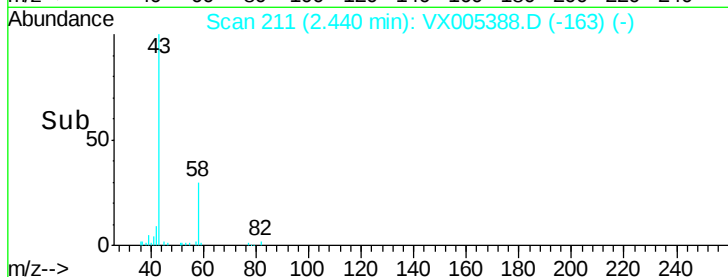
1000

0

Time-->

2.40

2.50



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Tgt Ion: 84 Resp: 874

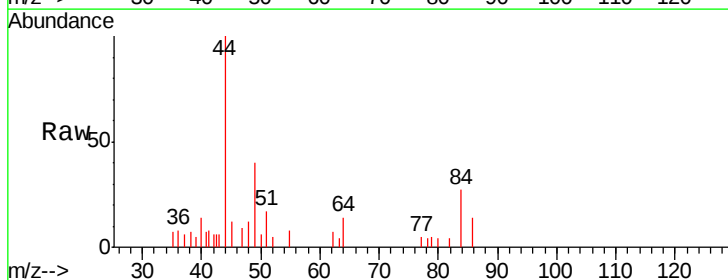
Ion Ratio Lower Upper

84 100

49 146.9 101.2 151.8

51 63.8 29.5 44.3#

86 52.6 52.3 78.5



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

800

600

400

200

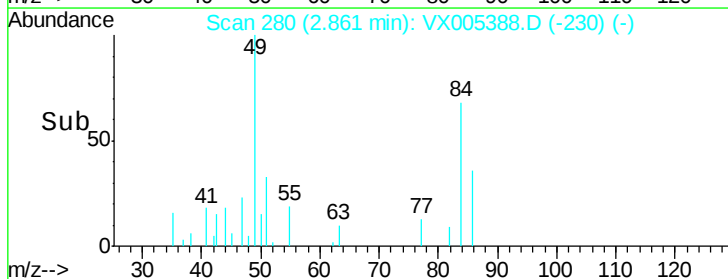
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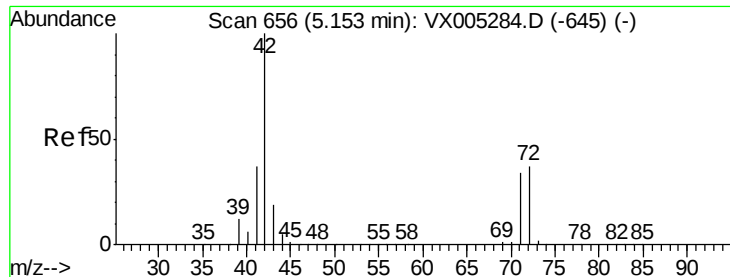
Time-->

2.80

2.85

2.90

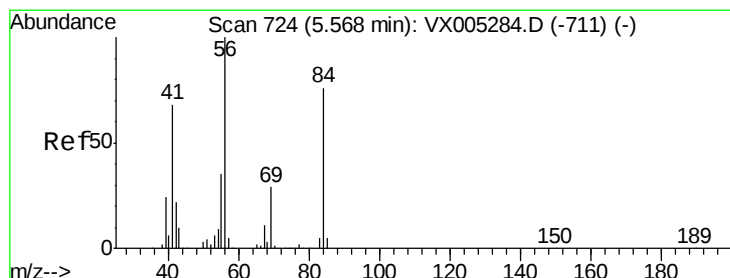
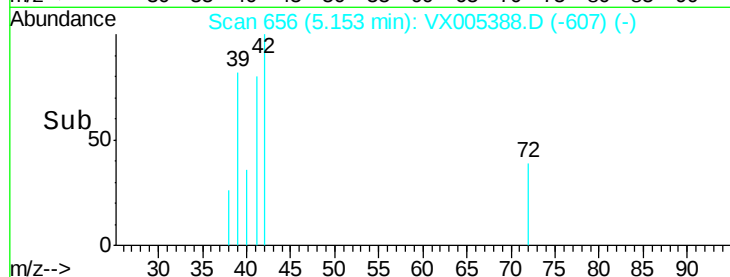
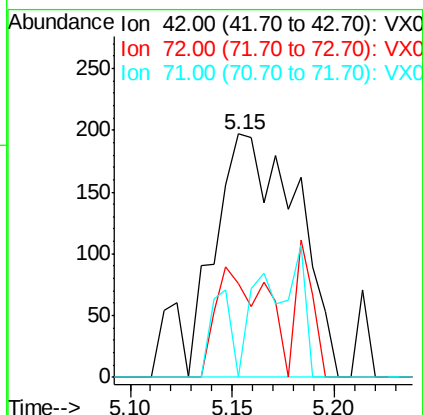
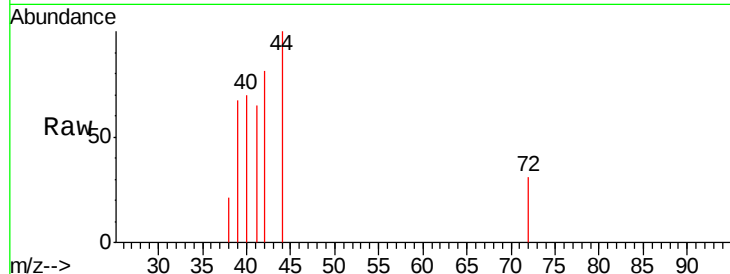




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005388.D
Acq: 17 Oct 2018 14:02

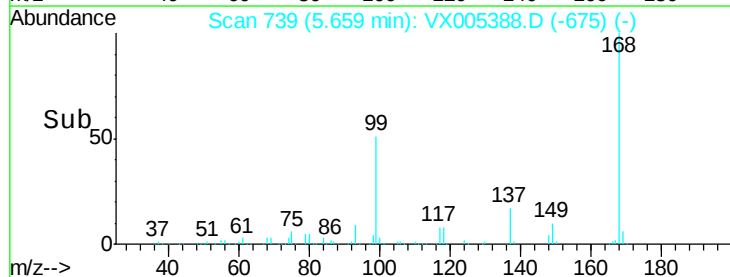
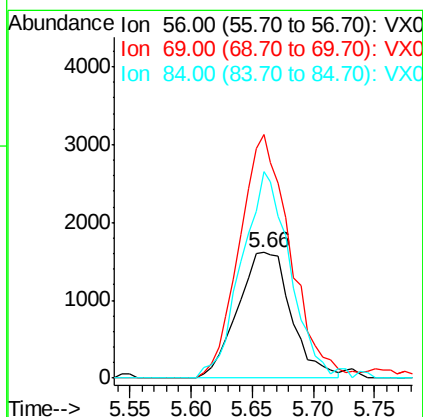
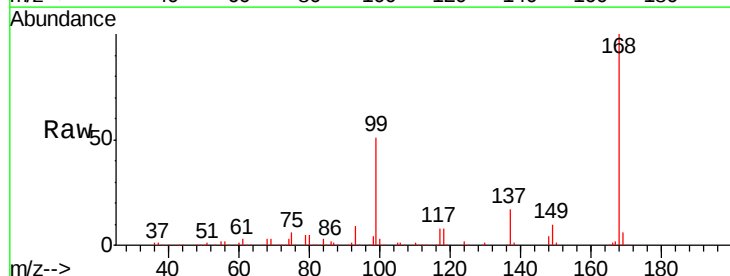
Instrument :
MSVOA_X
ClientSampled :
TB-01-181016

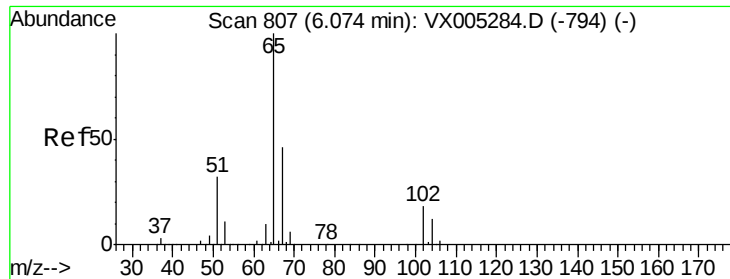
Tgt Ion: 42 Resp: 545
Ion Ratio Lower Upper
42 100
72 27.7 37.4 56.0#
71 9.0 34.5 51.7#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005388.D
Acq: 17 Oct 2018 14:02

Tgt Ion: 56 Resp: 4913
Ion Ratio Lower Upper
56 100
69 193.8 25.4 38.2#
84 164.4 71.4 107.2#

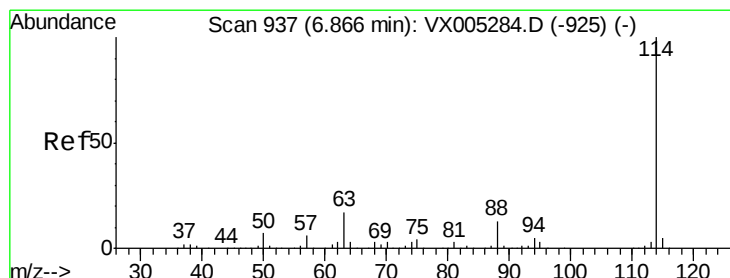
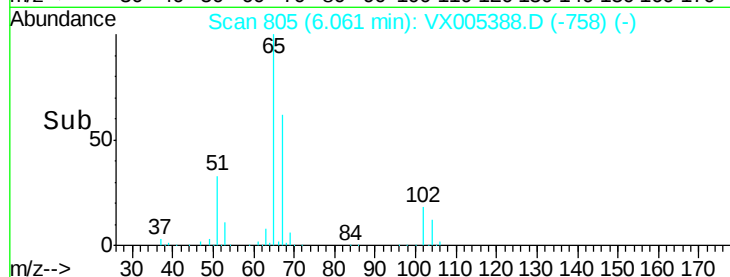
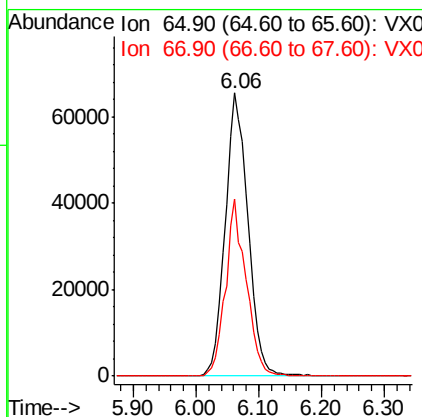
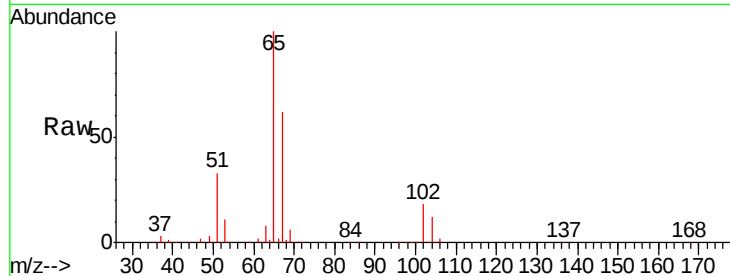




#33
 1,2-Dichloroethane-d4
 Concen: 52.69 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005388.D
 Acq: 17 Oct 2018 14:02

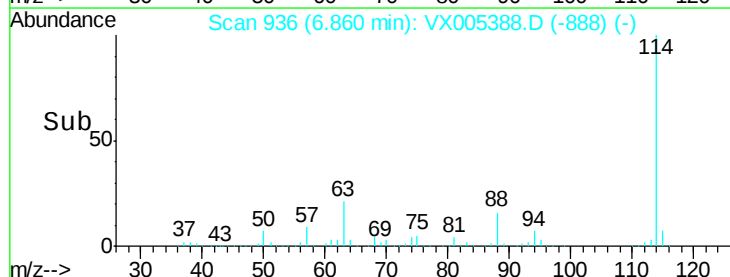
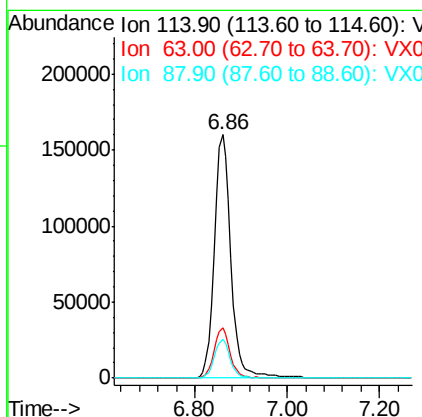
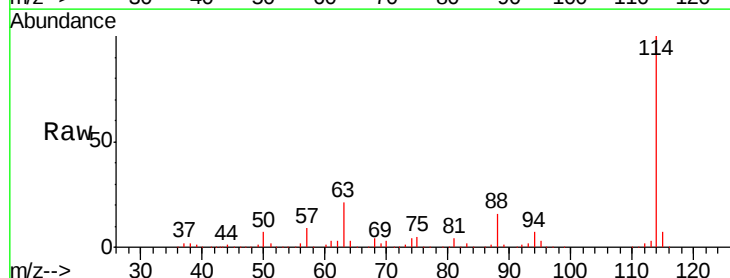
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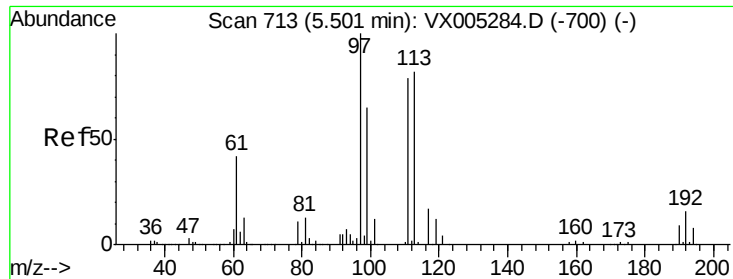
Tgt Ion: 65 Resp: 165047
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005388.D
 Acq: 17 Oct 2018 14:02

Tgt Ion: 114 Resp: 399693
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 16.2 0.0 30.4

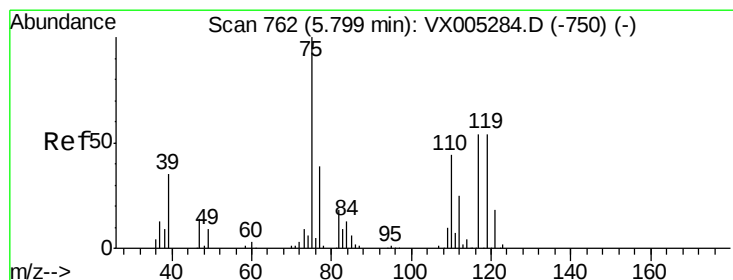
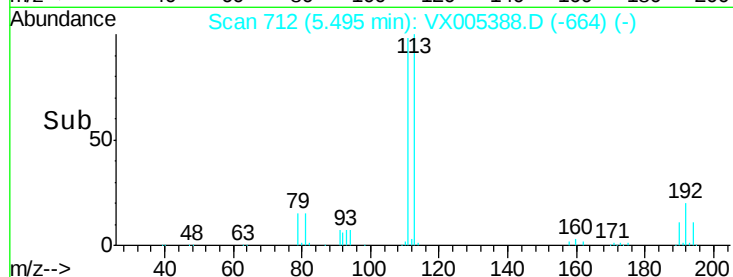
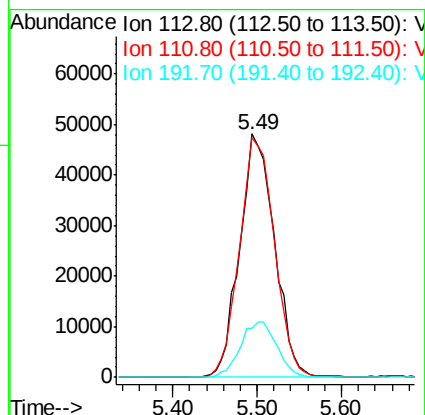
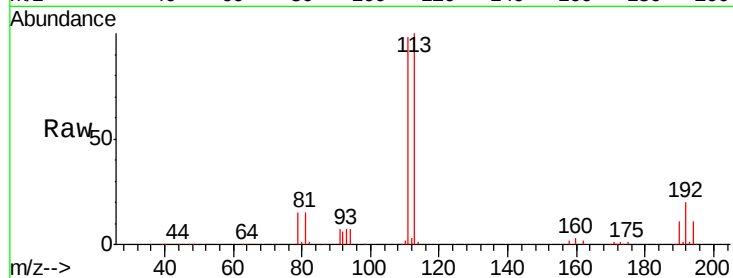




#35
 Dibromofluoromethane
 Concen: 50.86 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005388.D
 Acq: 17 Oct 2018 14:02

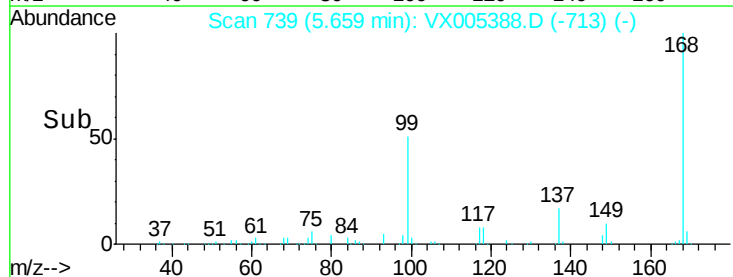
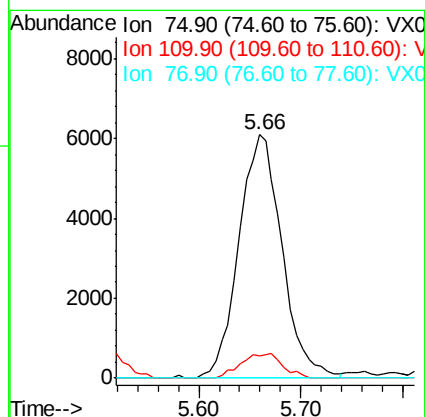
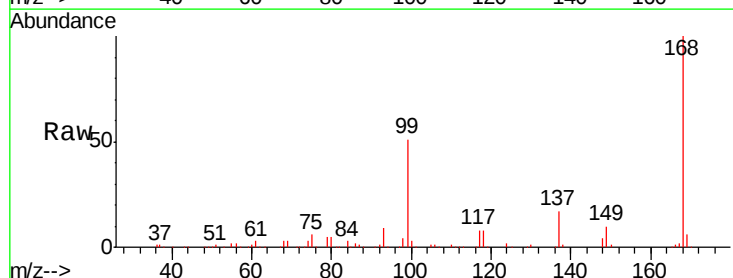
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181016

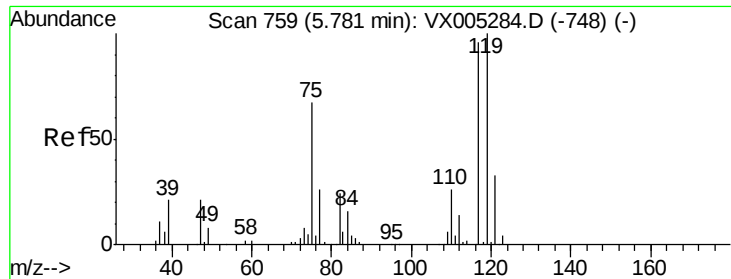
Tgt Ion:113 Resp: 134628
 Ion Ratio Lower Upper
 113 100
 111 99.3 82.4 123.6
 192 23.8 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005388.D
 Acq: 17 Oct 2018 14:02

Tgt Ion: 75 Resp: 17856
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181016

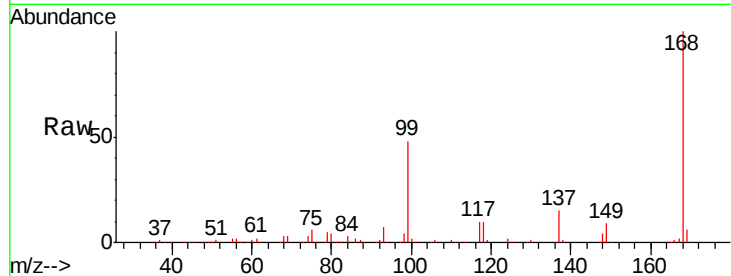
Tgt Ion:117 Resp: 24781

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

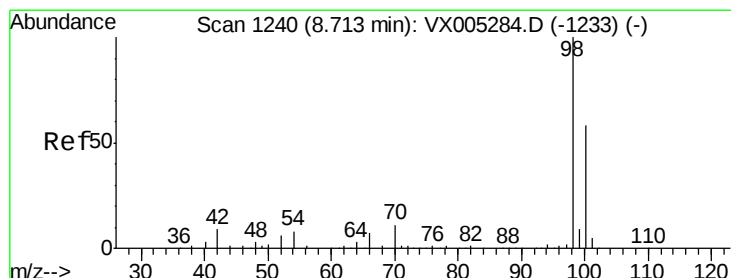
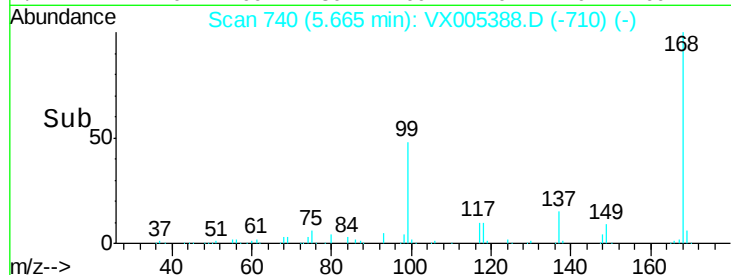
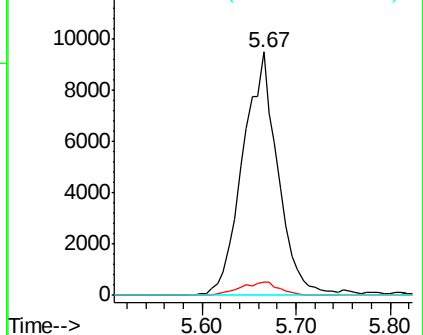
121 0.0 24.9 37.3#



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: 52.68 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005388.D

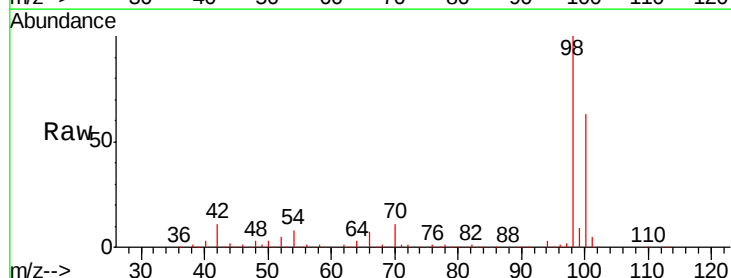
Acq: 17 Oct 2018 14:02

Tgt Ion: 98 Resp: 478781

Ion Ratio Lower Upper

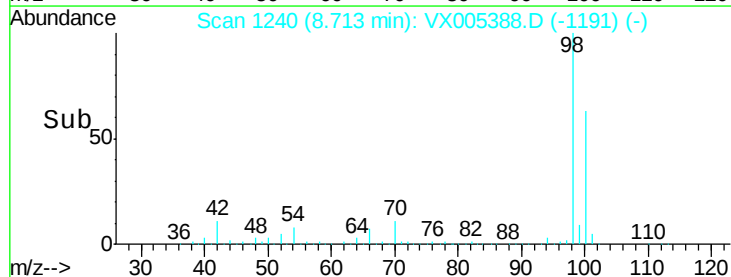
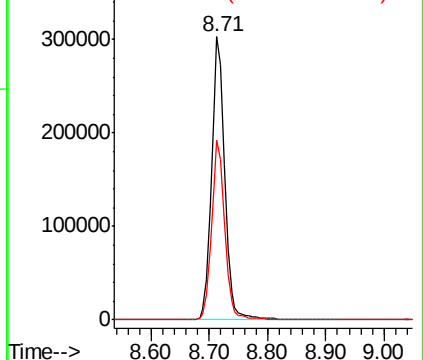
98 100

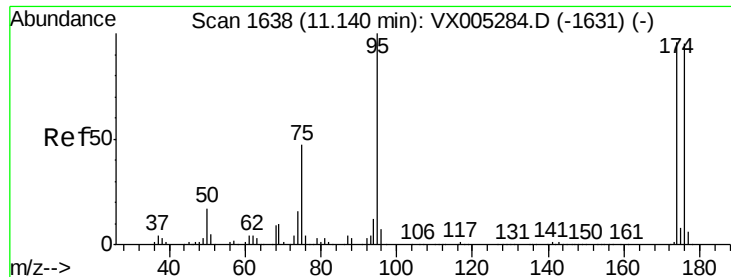
100 63.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.06 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181016

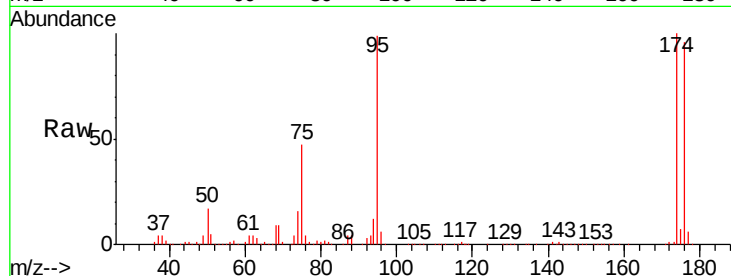
Tgt Ion: 95 Resp: 160652

Ion Ratio Lower Upper

95 100

174 95.6 0.0 185.2

176 91.5 0.0 178.6



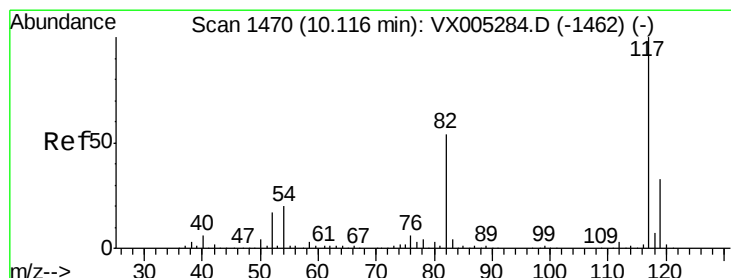
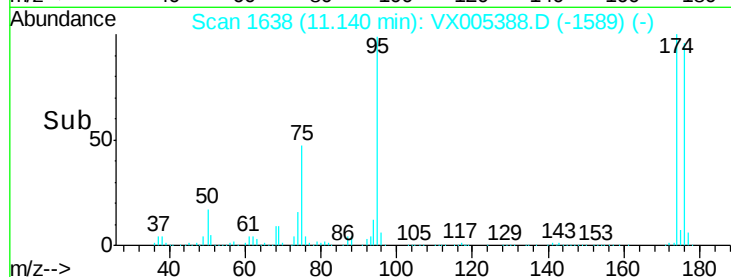
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

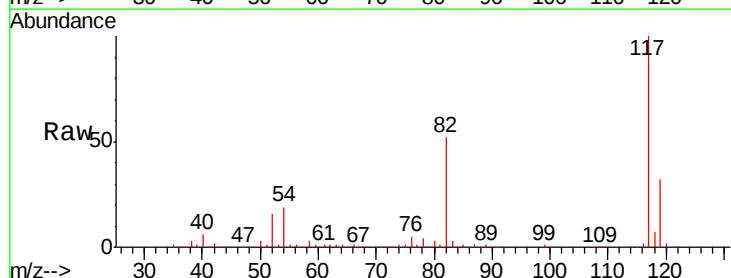
Tgt Ion: 117 Resp: 363909

Ion Ratio Lower Upper

117 100

82 52.2 47.8 71.6

119 31.8 29.3 43.9



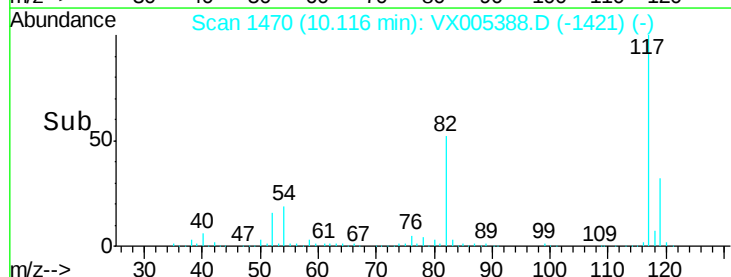
Abundance Ion 116.90 (116.60 to 117.60): V

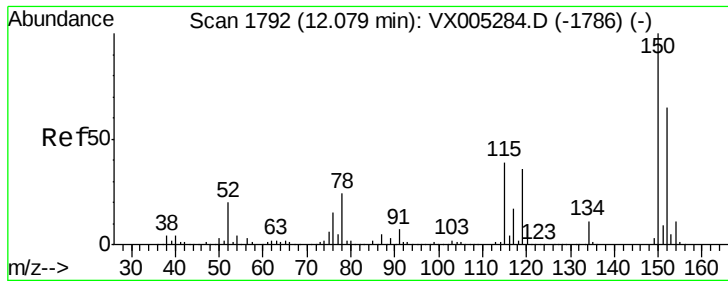
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

10.12

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181016

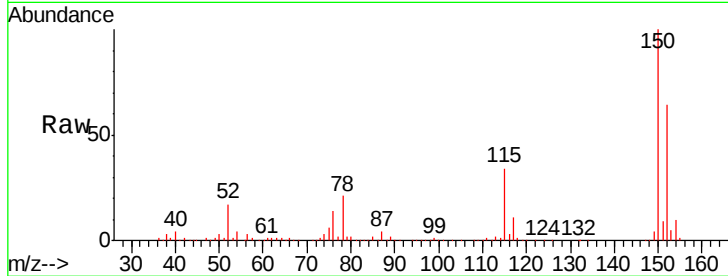
Tgt Ion:152 Resp: 180274

Ion Ratio Lower Upper

152 100

115 54.4 39.0 117.0

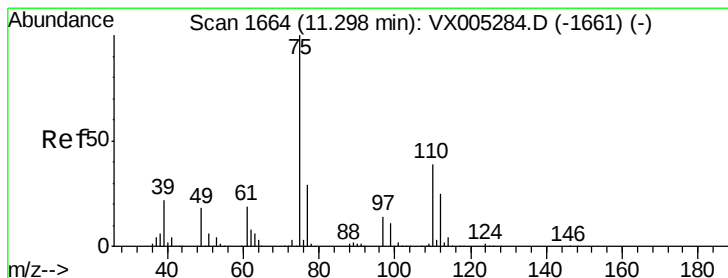
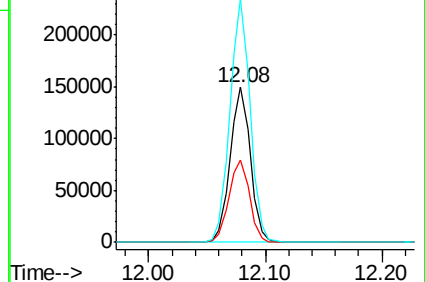
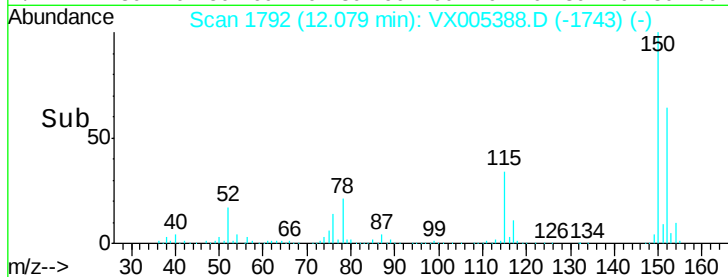
150 156.4 0.0 351.0



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: 22.45 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005388.D

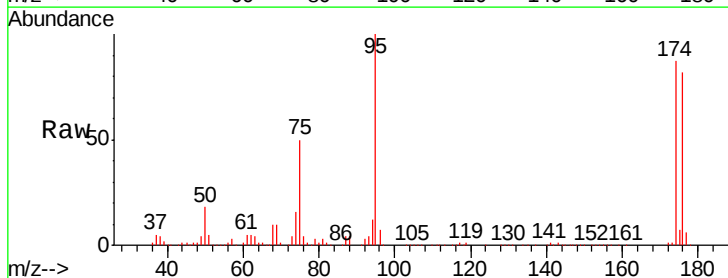
Acq: 17 Oct 2018 14:02

Tgt Ion: 75 Resp: 78487

Ion Ratio Lower Upper

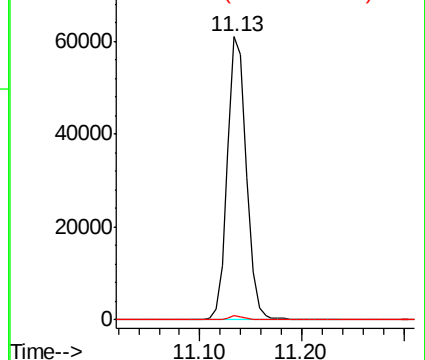
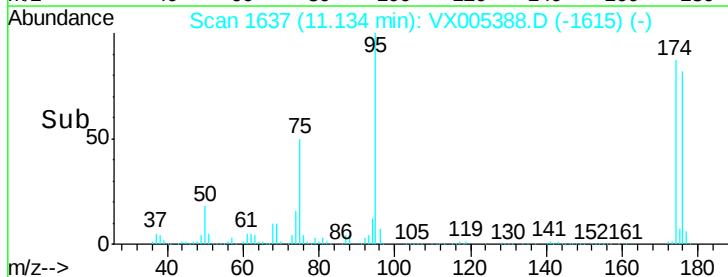
75 100

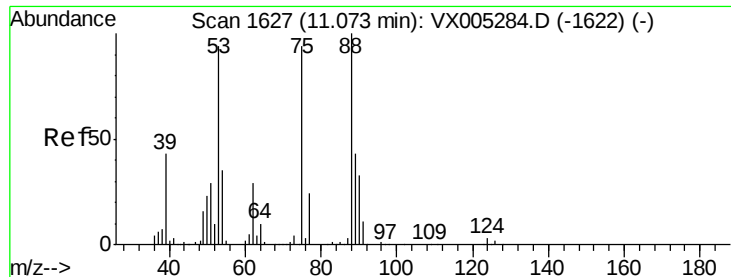
77 1.1 20.2 60.6#



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: 68.20 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005388.D

Acq: 17 Oct 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181016

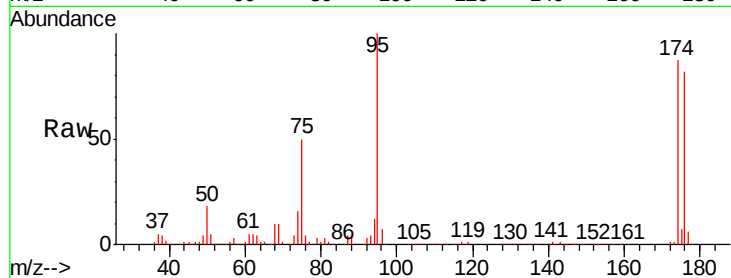
Tgt Ion: 75 Resp: 78487

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

