

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005380.D
 Acq On : 17 Oct 2018 09:05
 Operator : JC/MD
 Sample : VX1017MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017MBL01

Quant Time: Oct 17 16:37:31 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	284705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177163	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	157544	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	5.50	113	132875	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	8.71	98	476199	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.14	95	156736	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	

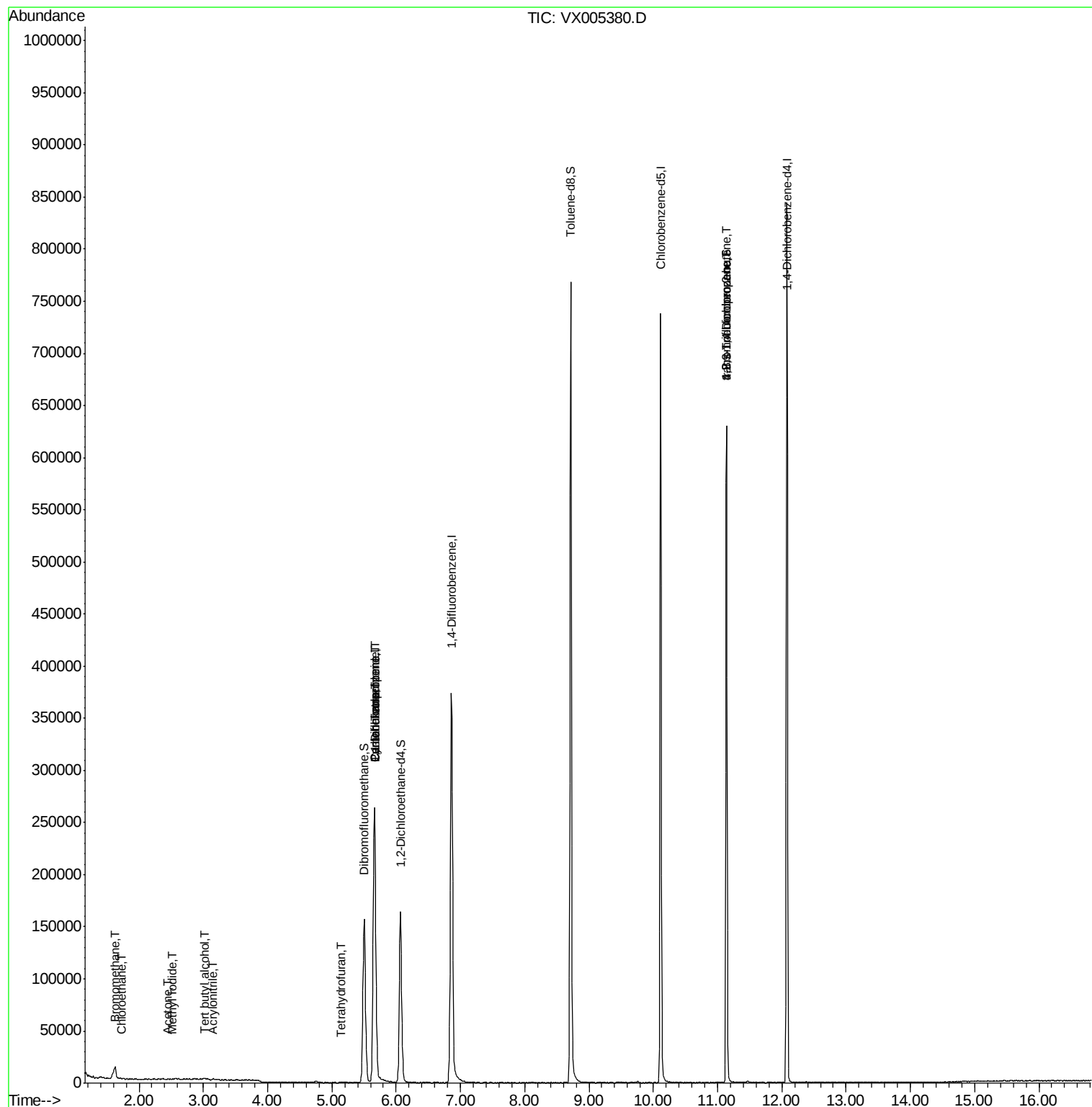
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	887	1.06	ug/l #	80
6) Chloroethane	1.72	64	109	0.39	ug/l #	1
10) Methyl Iodide	2.51	142	273	2.58	ug/l #	51
11) Tert butyl alcohol	3.02	59	988	1.11	ug/l #	72
13) Acrolein	2.31	56	118	Below Cal	#	16
15) Acrylonitrile	3.14	53	428	0.21	ug/l #	82
16) Acetone	2.44	43	480	0.26	ug/l #	86
20) Methylene Chloride	2.87	84	336	Below Cal	#	62
29) Tetrahydrofuran	5.14	42	378	0.22	ug/l #	61
31) Cyclohexane	5.66	56	5071	1.17	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18513	4.81	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24984	6.46	ug/l #	15
44) Trichloroethene	7.21	130	47	Below Cal		79
76) 1,2,3-Trichloropropane	11.13	75	77039	22.42	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	77039	68.12	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampled :

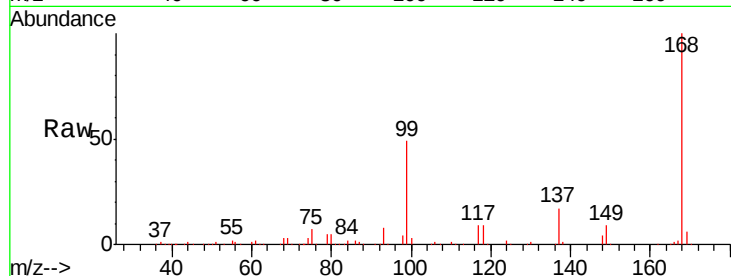
VX1017MBL01

Tgt Ion:168 Resp: 284705

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

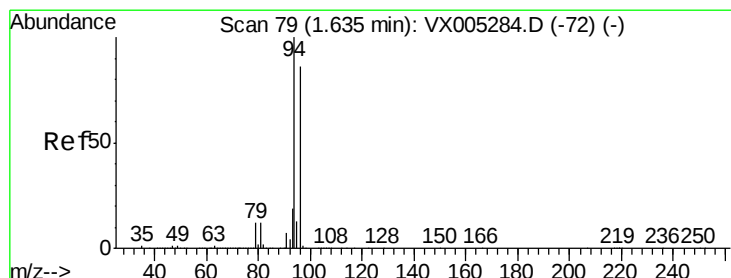
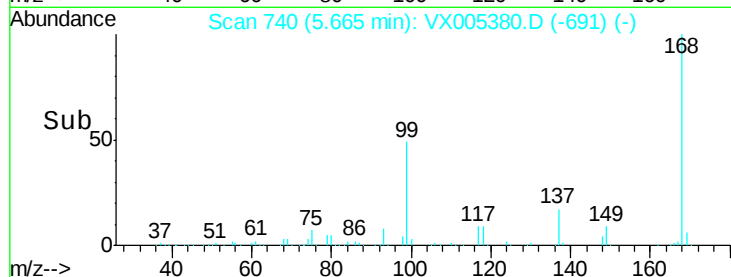
40000

20000

0

Time-->

5.60 5.80



#5

Bromomethane

Concen: 1.06 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005380.D

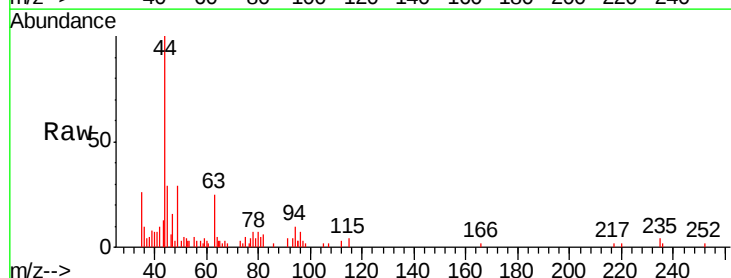
Acq: 17 Oct 2018 09:05

Tgt Ion: 94 Resp: 887

Ion Ratio Lower Upper

94 100

96 74.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

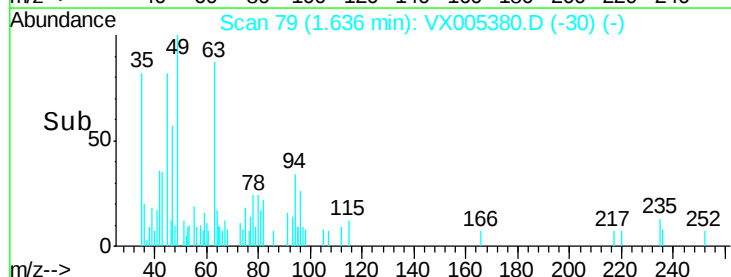
200

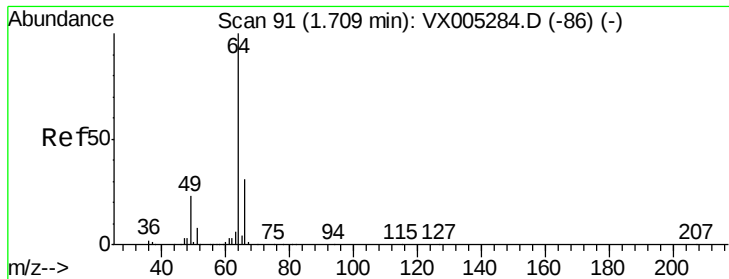
100

0

Time-->

1.50 1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.39 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

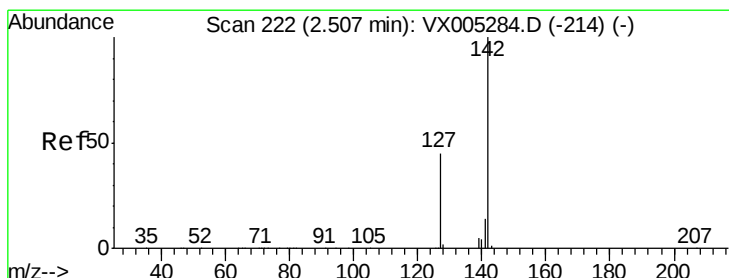
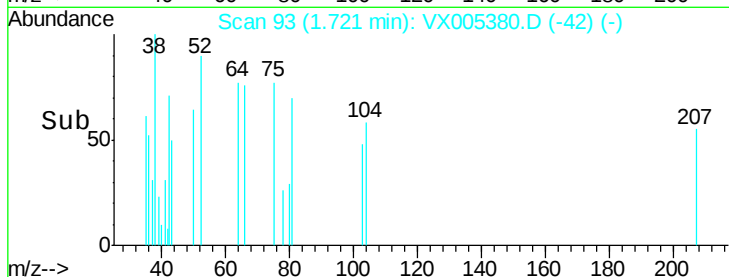
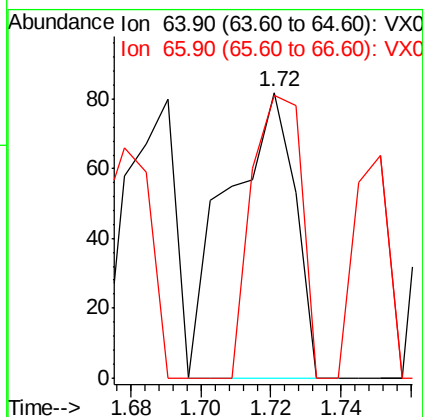
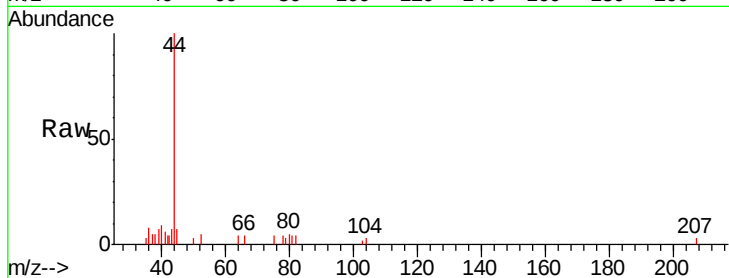
VX1017MBL01

Tgt Ion: 64 Resp: 109

Ion Ratio Lower Upper

64 100

66 98.8 24.6 36.8#



#10

Methyl Iodide

Concen: 2.58 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

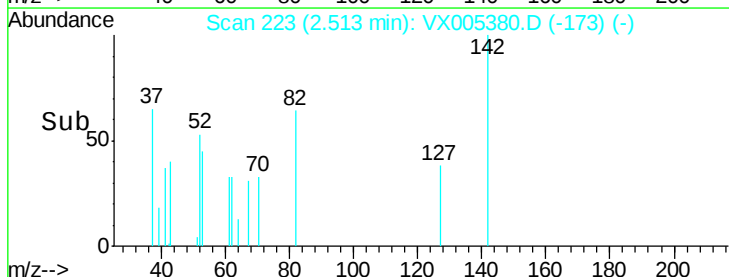
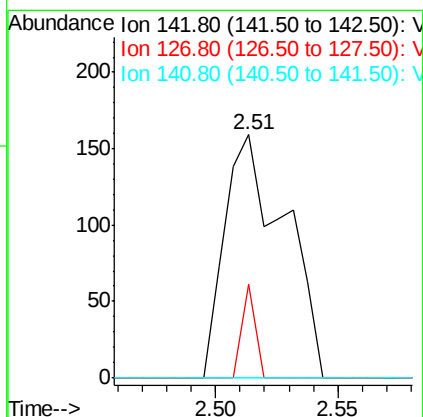
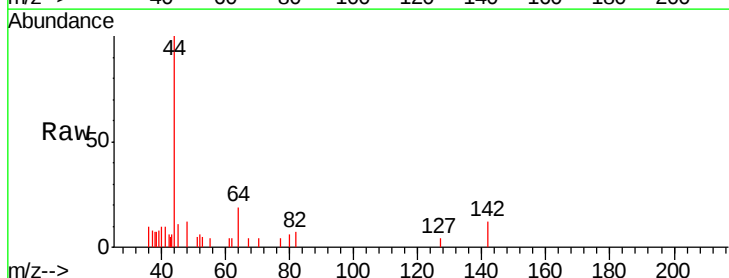
Tgt Ion: 142 Resp: 273

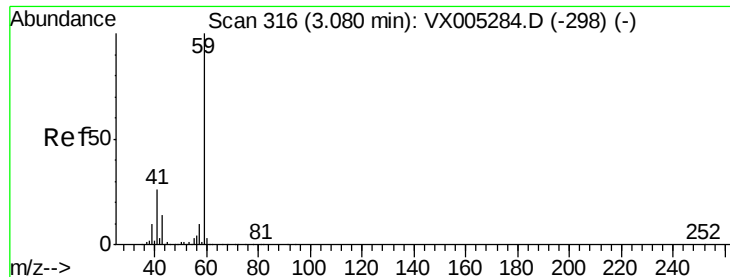
Ion Ratio Lower Upper

142 100

127 8.1 33.8 50.6#

141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 1.11 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

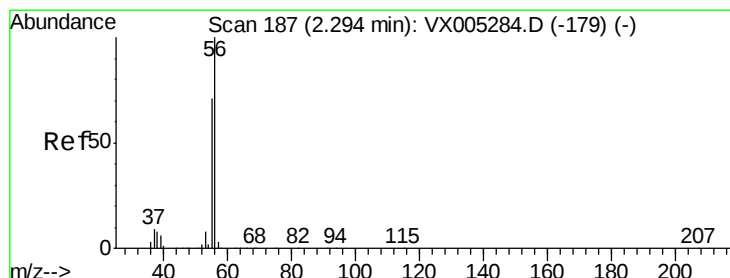
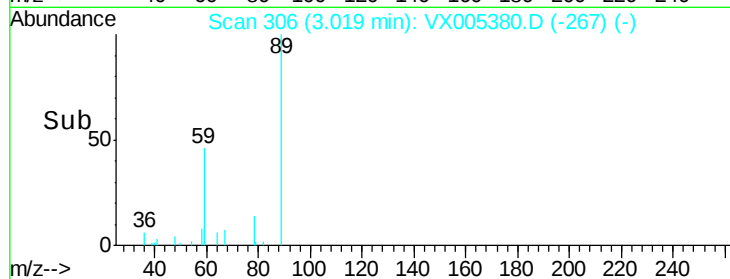
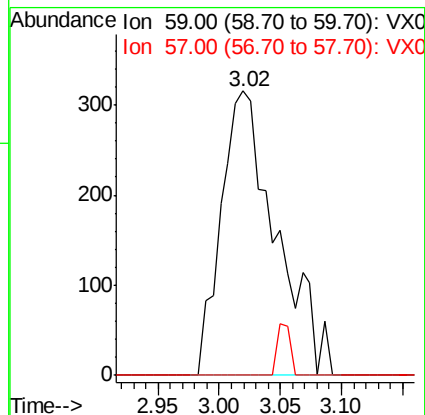
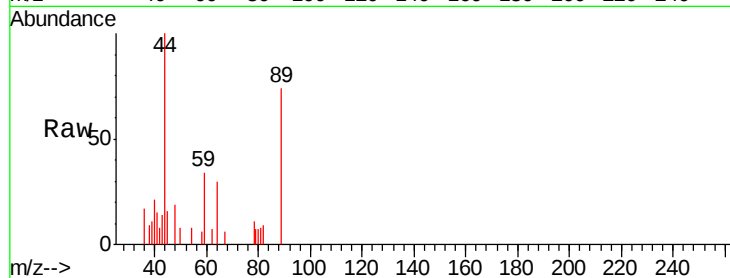
VX1017MBL01

Tgt Ion: 59 Resp: 988

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005380.D

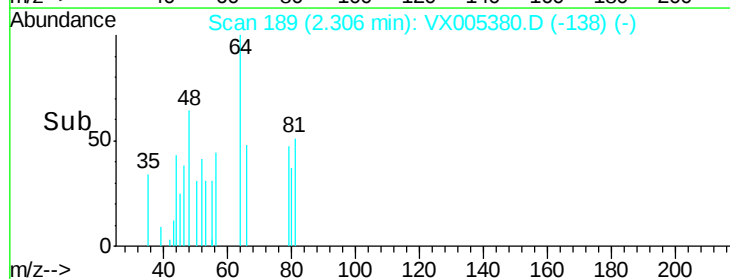
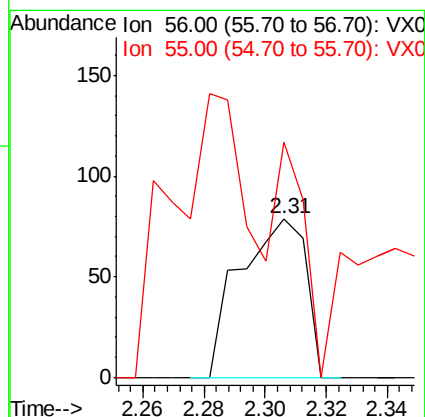
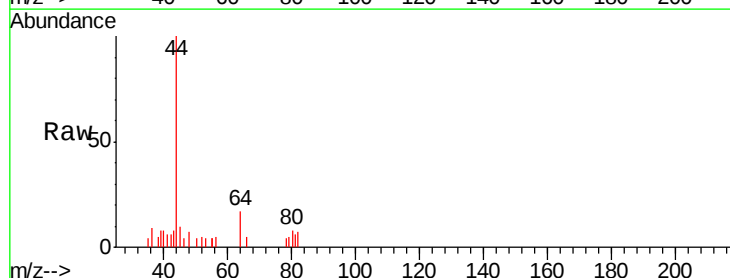
Acq: 17 Oct 2018 09:05

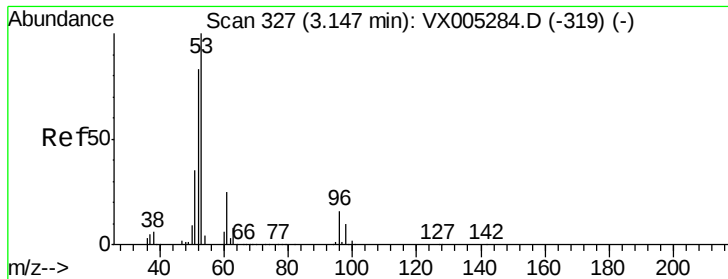
Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

VX1017MBL01

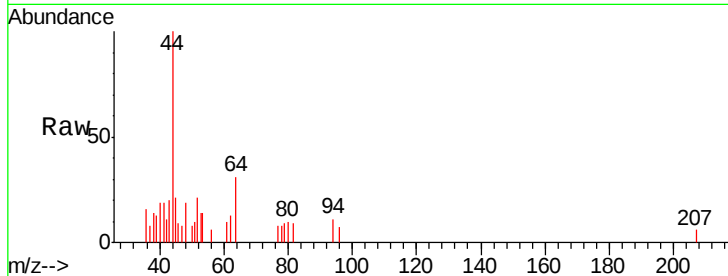
Tgt Ion: 53 Resp: 428

Ion Ratio Lower Upper

53 100

52 68.9 65.2 97.8

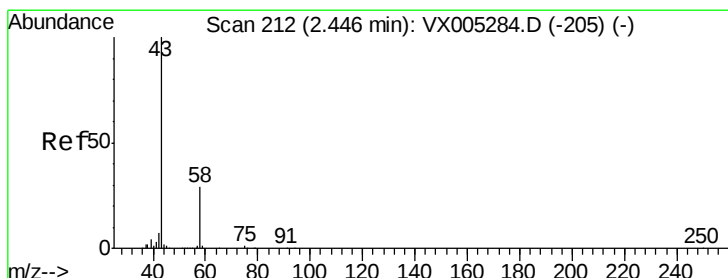
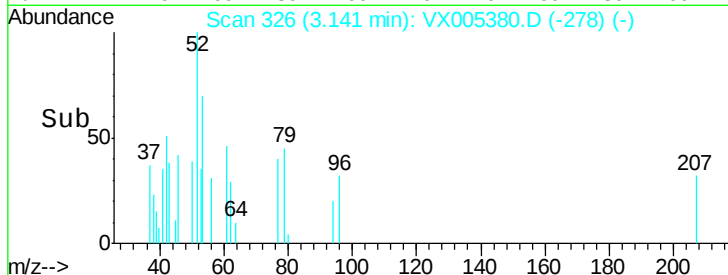
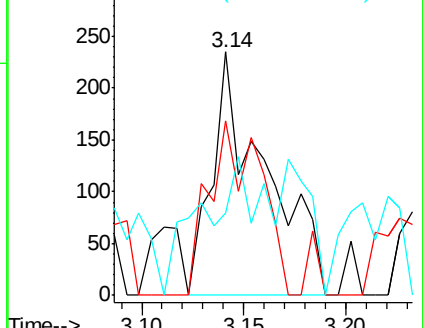
51 50.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.26 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005380.D

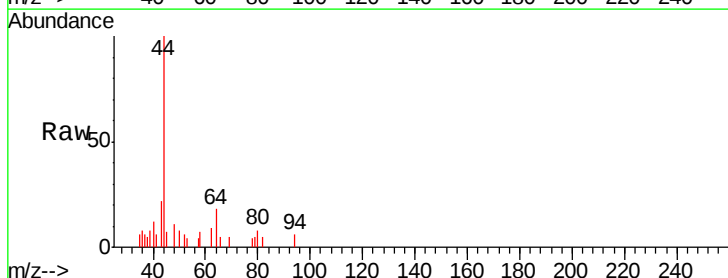
Acq: 17 Oct 2018 09:05

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

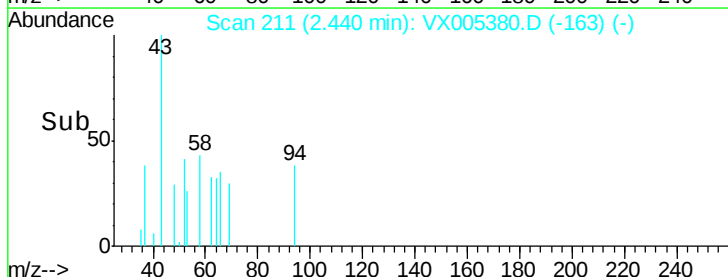
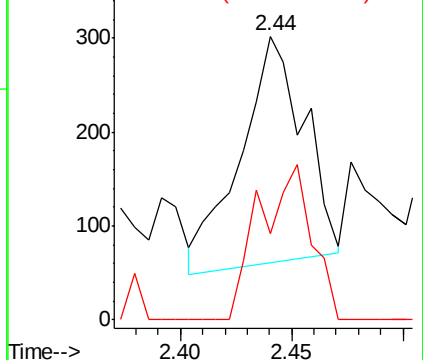
43 100

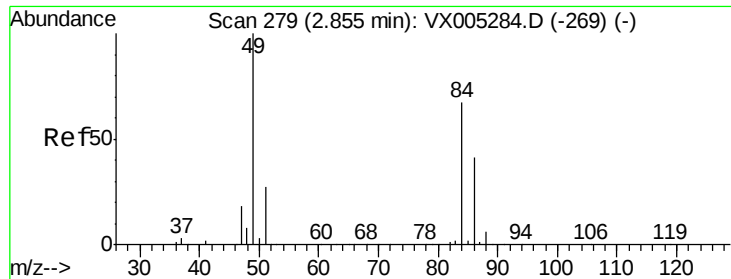
58 40.9 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

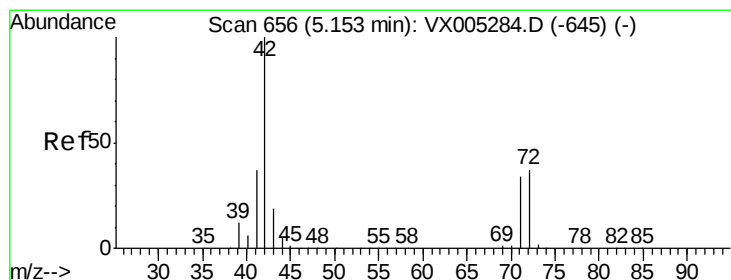
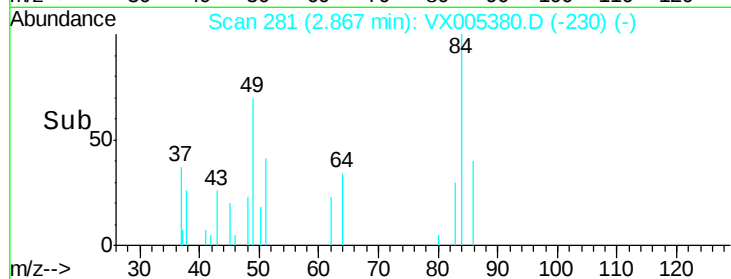
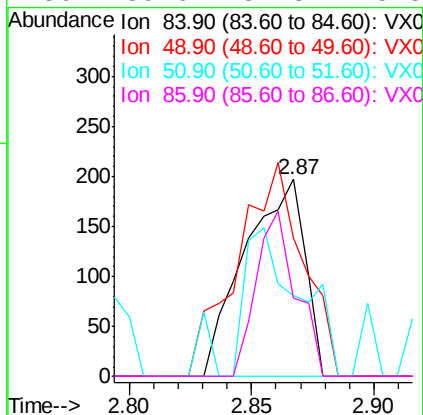
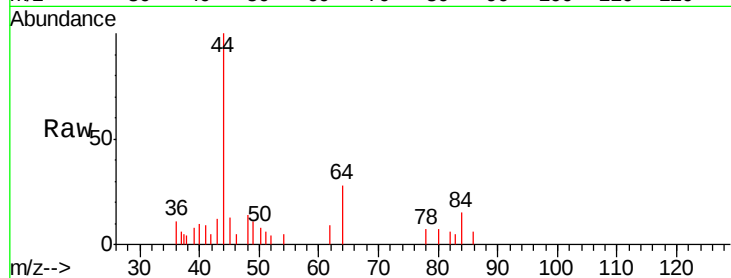




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX005380.D
Acq: 17 Oct 2018 09:05

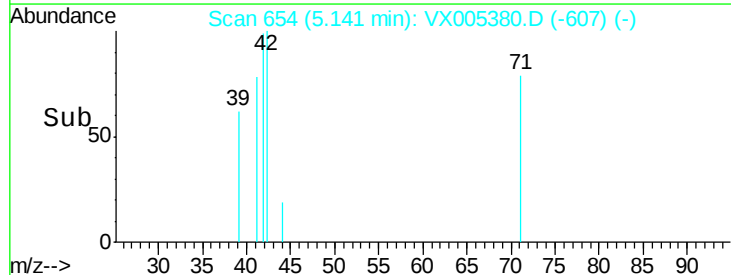
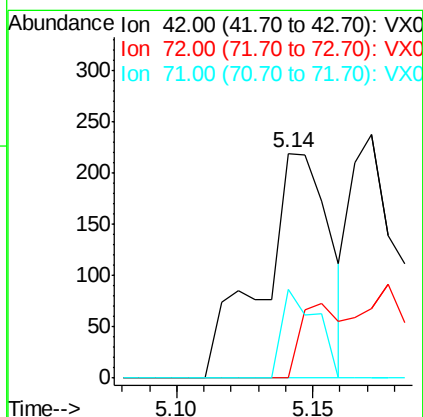
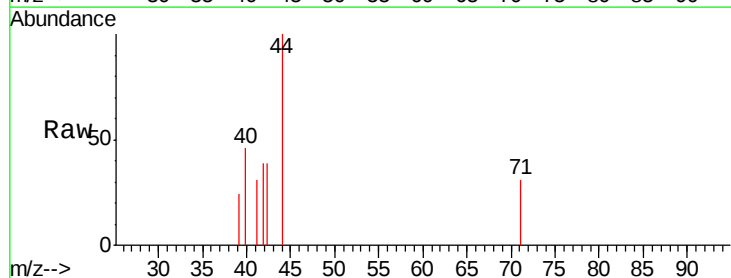
Instrument :
MSVOA_X
ClientSampled :
VX1017MBL01

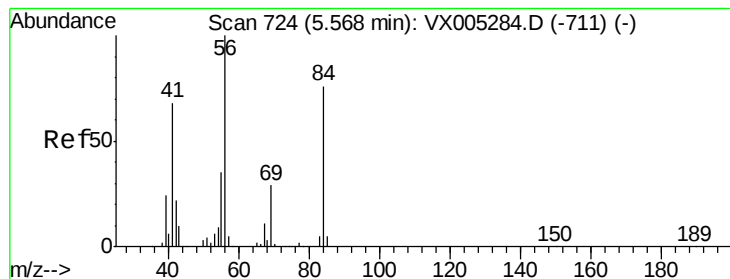
Tgt Ion: 84 Resp: 336
Ion Ratio Lower Upper
84 100
49 70.1 101.2 151.8#
51 41.1 29.5 44.3
86 39.6 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 5.14 min Scan# 654
Delta R.T. -0.01 min
Lab File: VX005380.D
Acq: 17 Oct 2018 09:05

Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 18.8 37.4 56.0#
71 20.6 34.5 51.7#





#31

Cyclohexane

Concen: 1.17 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

VX1017MBL01

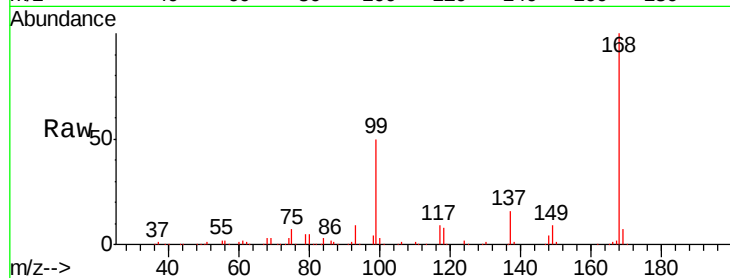
Tgt Ion: 56 Resp: 5071

Ion Ratio Lower Upper

56 100

69 177.6 25.4 38.2#

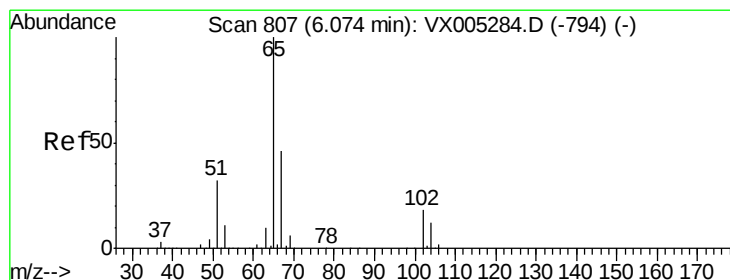
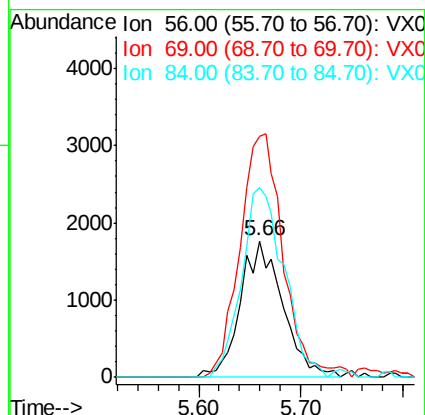
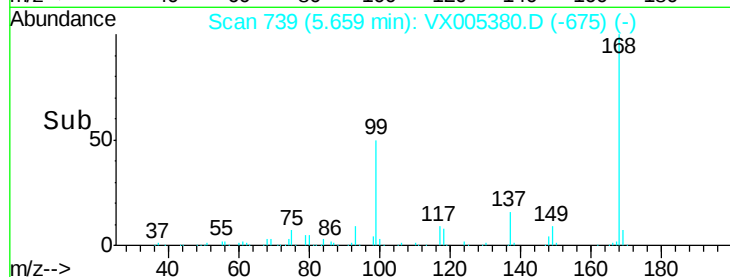
84 140.0 71.4 107.2#



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



#33

1,2-Dichloroethane-d4

Concen: 49.86 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005380.D

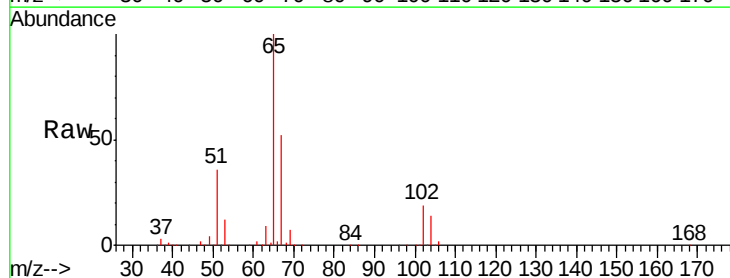
Acq: 17 Oct 2018 09:05

Tgt Ion: 65 Resp: 157544

Ion Ratio Lower Upper

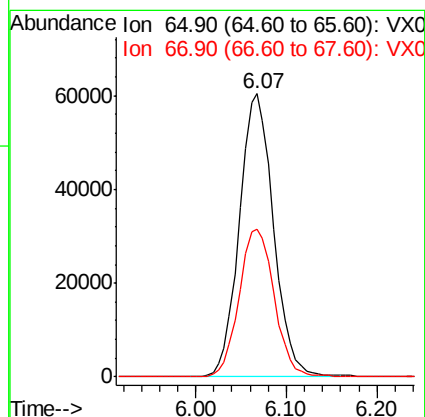
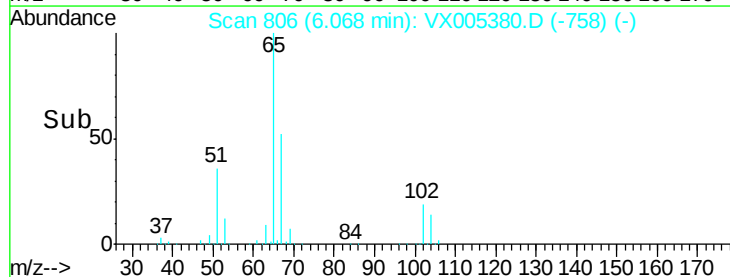
65 100

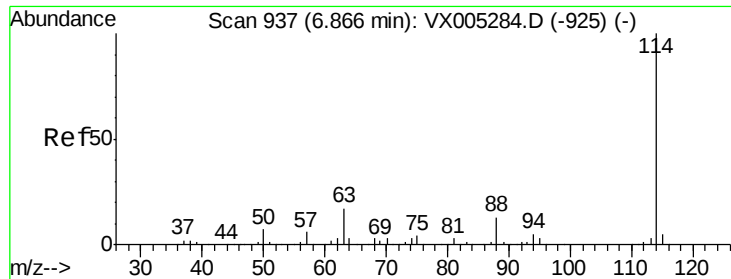
67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

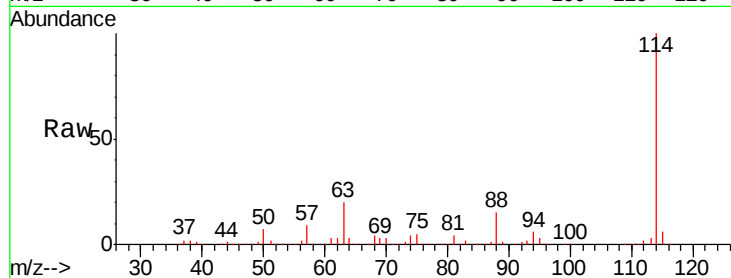




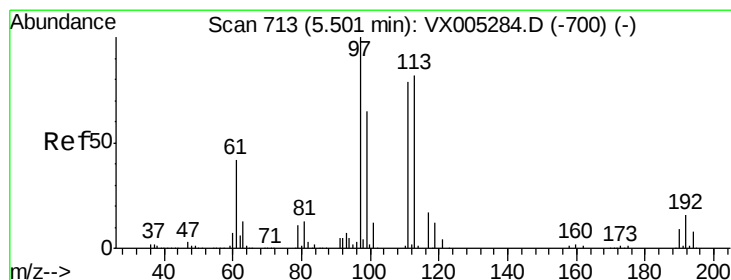
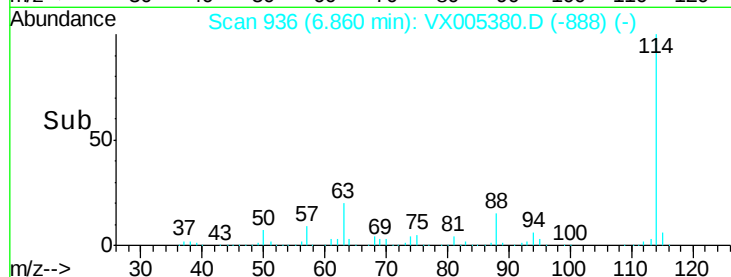
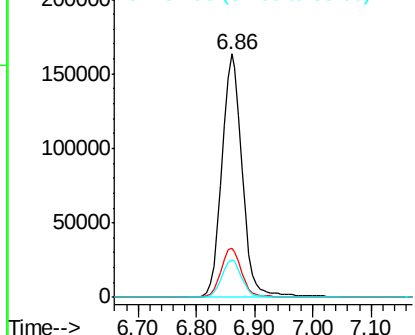
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005380.D
 Acq: 17 Oct 2018 09:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017MBL01

Tgt Ion:114 Resp: 397583
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.2 0.0 30.4

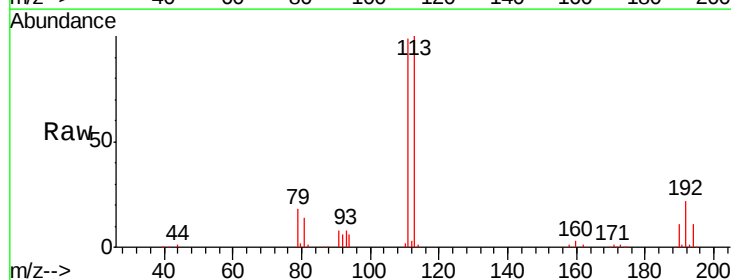


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

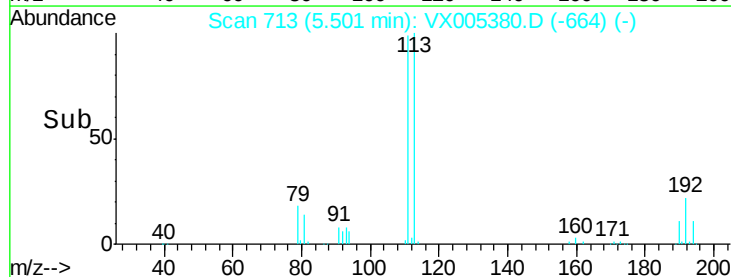
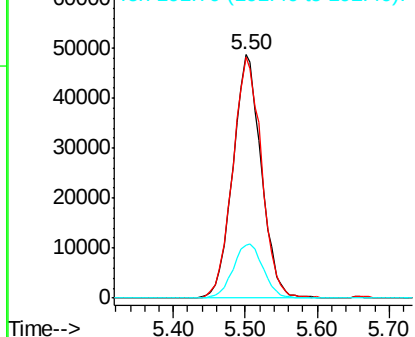


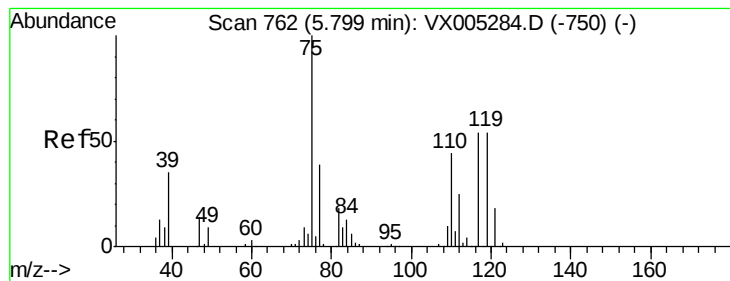
#35
 Dibromofluoromethane
 Concen: 50.46 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005380.D
 Acq: 17 Oct 2018 09:05

Tgt Ion:113 Resp: 132875
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.4 123.6
 192 23.6 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.81 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

VX1017MBL01

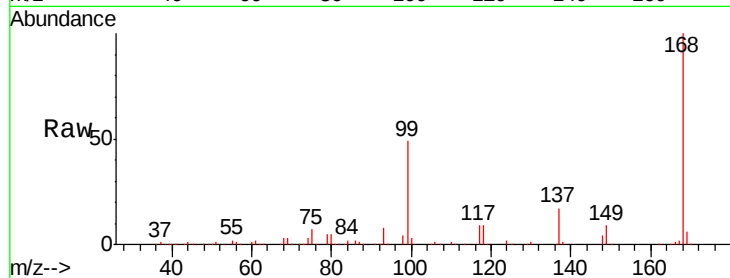
Tgt Ion: 75 Resp: 18513

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

77 0.0 24.6 36.8#

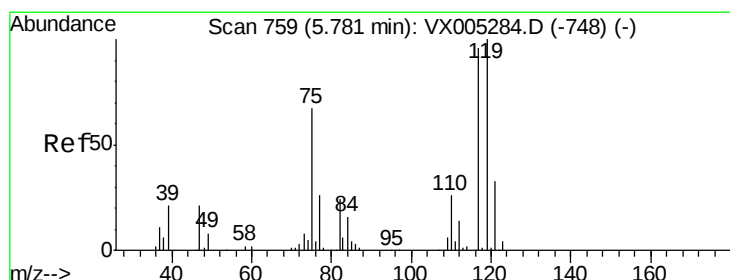
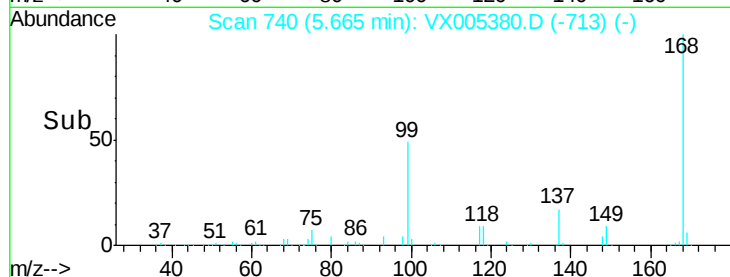


Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-750) (-)

Ion 109.90 (109.60 to 110.60): VX005284.D (-750) (-)

Ion 76.90 (76.60 to 77.60): VX005284.D (-750) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.46 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

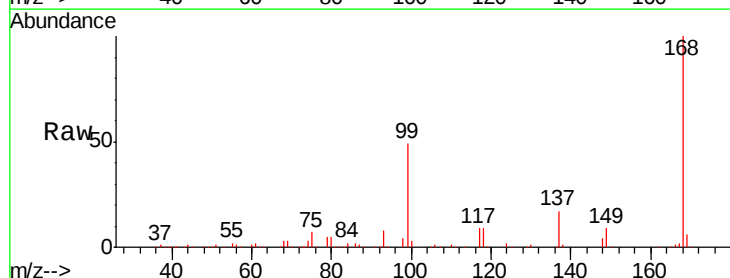
Tgt Ion: 117 Resp: 24984

Ion Ratio Lower Upper

117 100

119 5.4 78.8 118.2#

121 0.0 24.9 37.3#

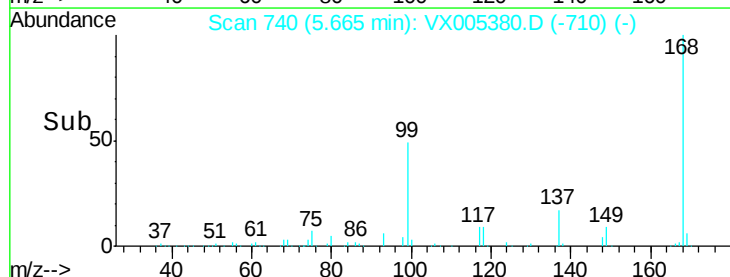


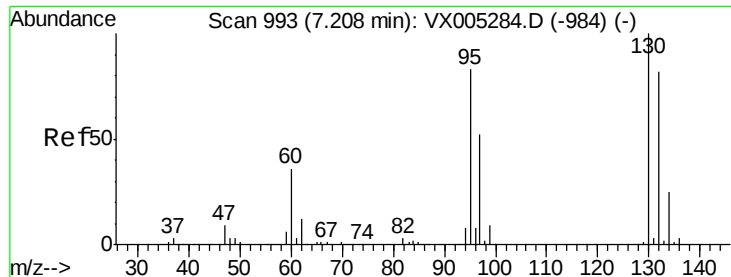
Abundance Ion 116.80 (116.50 to 117.50): VX005284.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005284.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005284.D (-748) (-)

Time-->





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

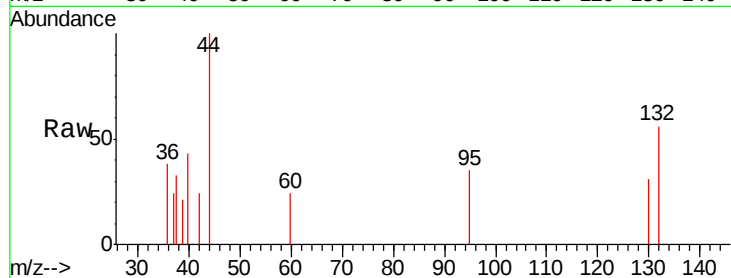
VX1017MBL01

Tgt Ion:130 Resp: 47

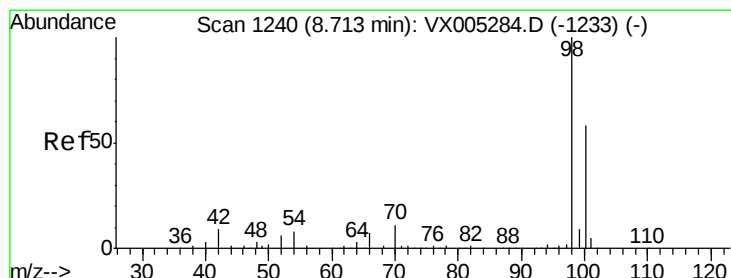
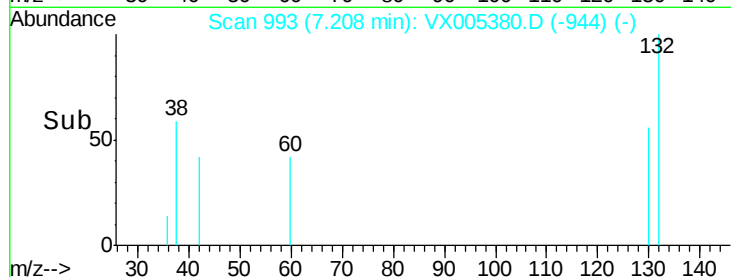
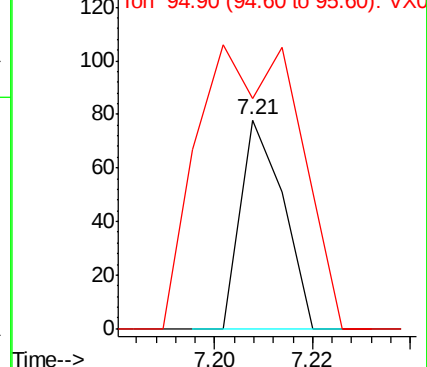
Ion Ratio Lower Upper

130 100

95 110.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005284.D (-984) (-)



#50

Toluene-d8

Concen: 52.68 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005380.D

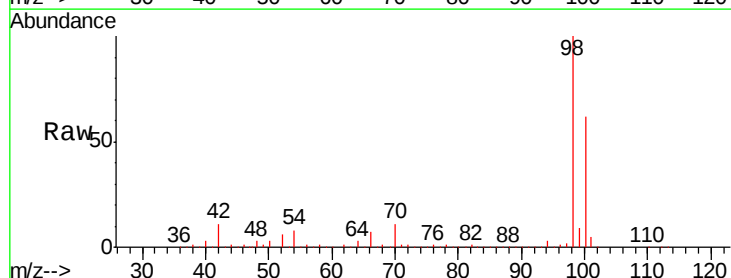
Acq: 17 Oct 2018 09:05

Tgt Ion: 98 Resp: 476199

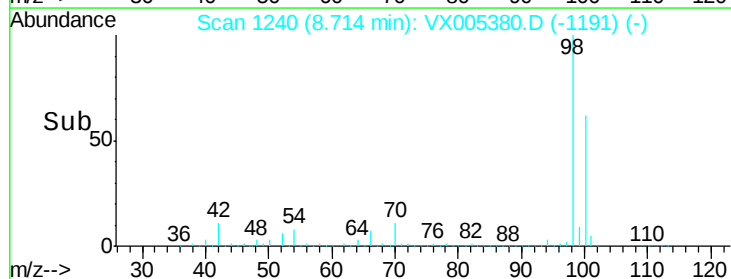
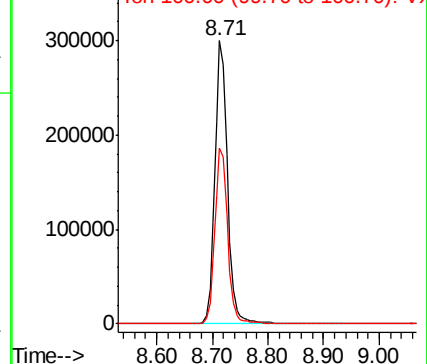
Ion Ratio Lower Upper

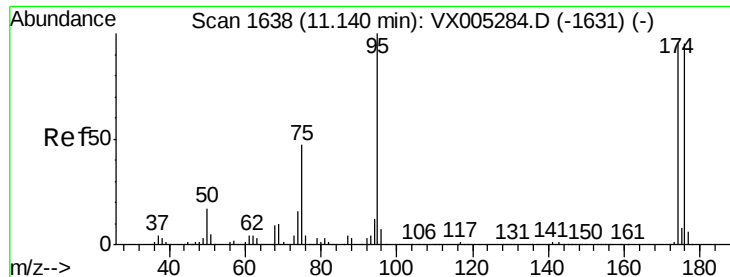
98 100

100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX005284.D (-1233) (-)





#62

4-Bromofluorobenzene

Concen: 46.15 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

VX1017MBL01

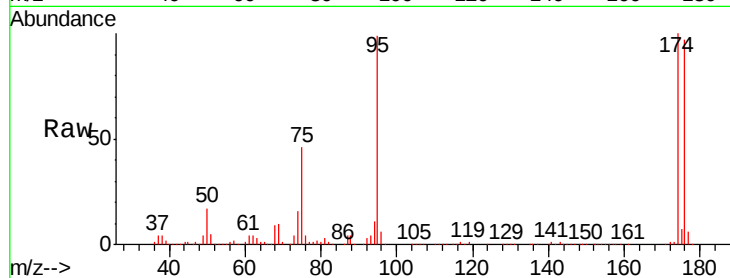
Tgt Ion: 95 Resp: 156736

Ion Ratio Lower Upper

95 100

174 98.0 0.0 185.2

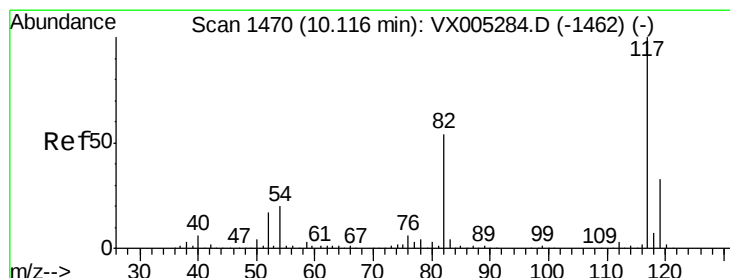
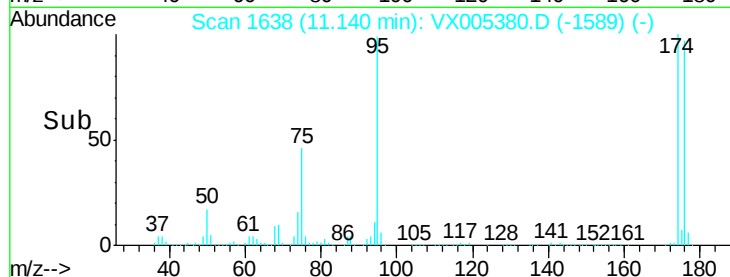
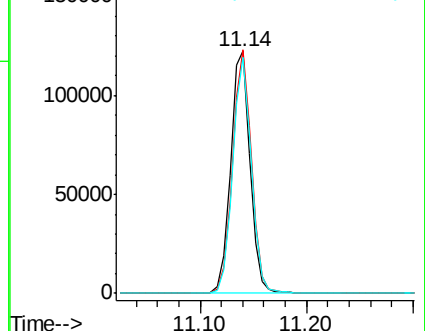
176 93.9 0.0 178.6



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

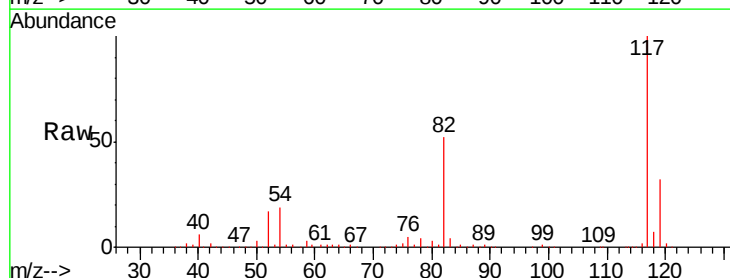
Tgt Ion: 117 Resp: 359705

Ion Ratio Lower Upper

117 100

82 52.1 47.8 71.6

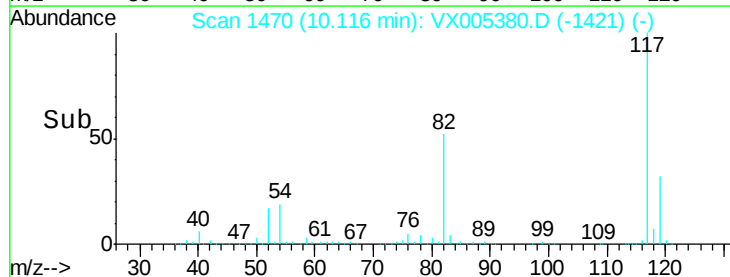
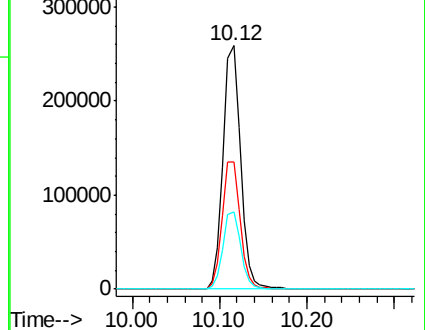
119 31.6 29.3 43.9

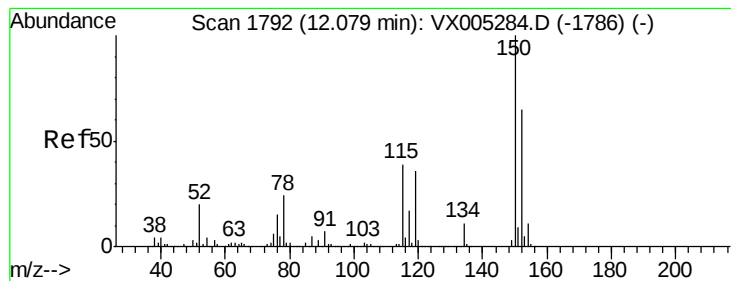


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

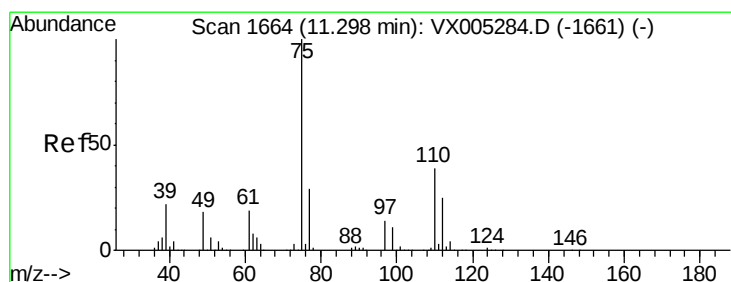
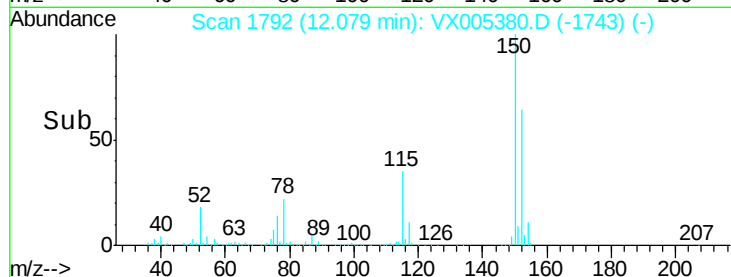
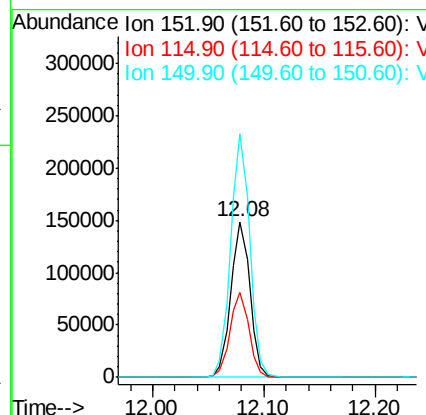
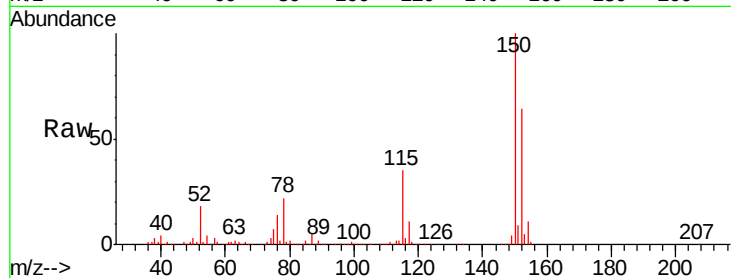




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005380.D
 Acq: 17 Oct 2018 09:05

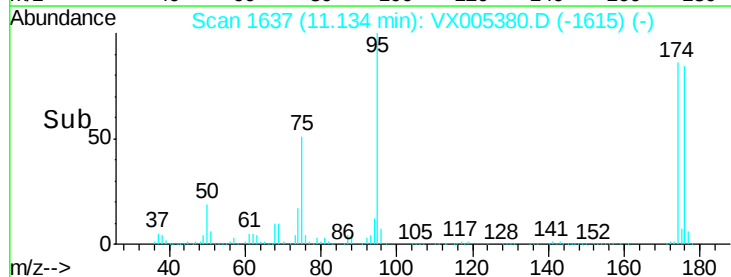
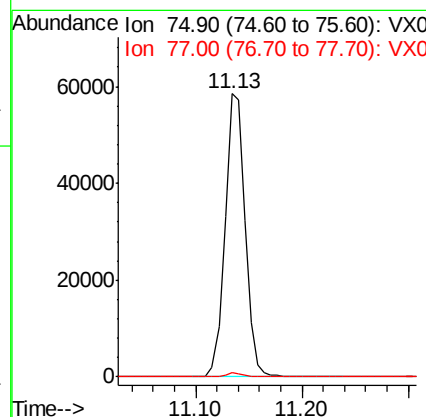
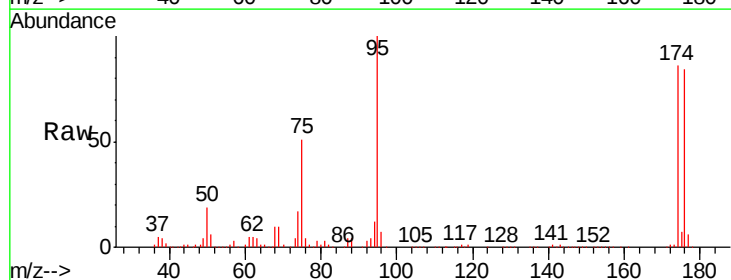
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017MBL01

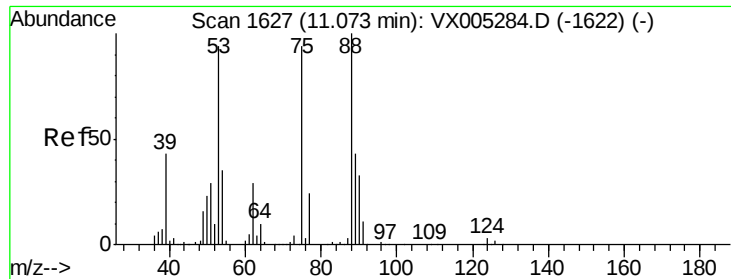
Tgt Ion:152 Resp: 177163
 Ion Ratio Lower Upper
 152 100
 115 54.2 39.0 117.0
 150 155.9 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.42 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX005380.D
 Acq: 17 Oct 2018 09:05

Tgt Ion: 75 Resp: 77039
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.12 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005380.D

Acq: 17 Oct 2018 09:05

Instrument :

MSVOA_X

ClientSampleId :

VX1017MBL01

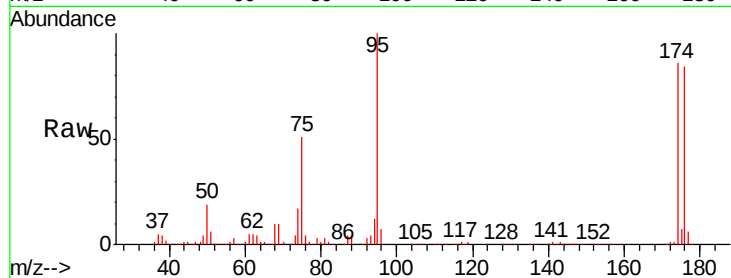
Tgt Ion: 75 Resp: 77039

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.1 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

