

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007974.D
 Acq On : 11 Mar 2019 17:10
 Operator : JC/SP
 Sample : K1841-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20190307

Quant Time: Mar 12 08:39:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	409580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186573	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	141503	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	5.50	113	132958	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	8.71	98	490264	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.13	95	180426	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	

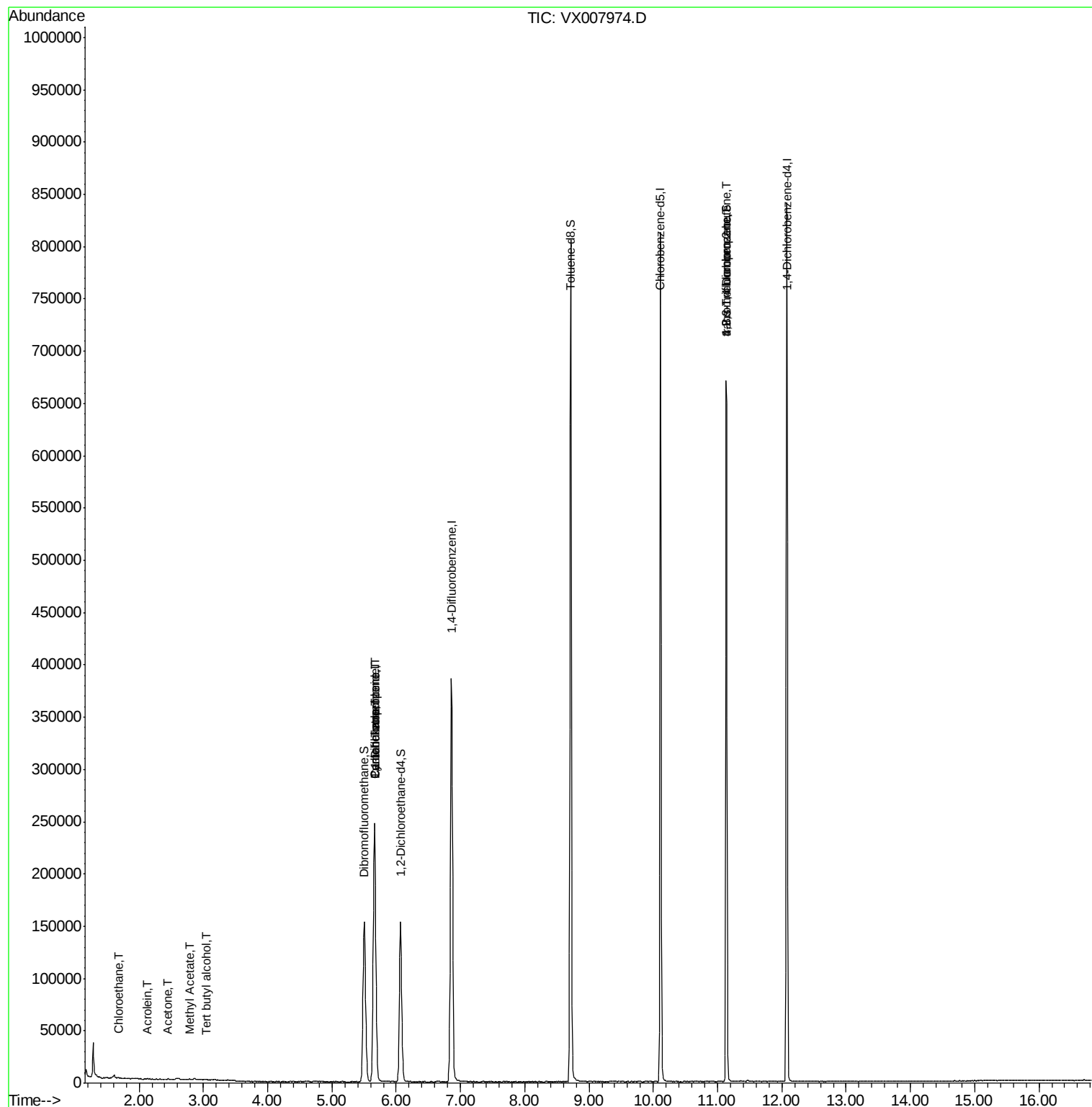
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	518	Below Cal	#	73
6) Chloroethane	1.67	64	462	0.242	ug/l #	84
11) Tert butyl alcohol	3.06	59	289	0.466	ug/l #	73
13) Acrolein	2.14	56	20	1.598	ug/l #	13
16) Acetone	2.45	43	770	0.479	ug/l	89
17) Carbon Disulfide	2.57	76	914	Below Cal	#	89
18) Methyl Acetate	2.79	43	880	0.258	ug/l #	89
31) Cyclohexane	5.67	56	4061	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16454	4.437	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22155	6.292	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	83432	21.310	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	83432	68.119	ug/l #	11

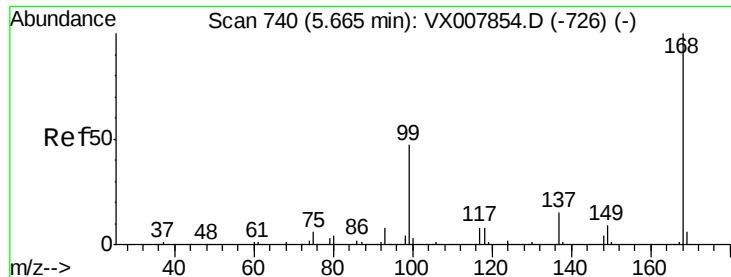
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

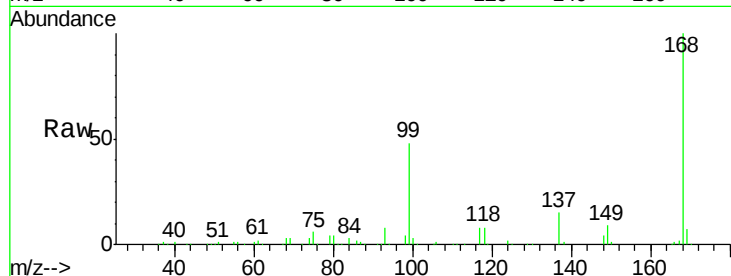
TB02-20190307

Tot Ion:168 Resp: 263142

Ion Ratio Lower Upper

168 100

99 47.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

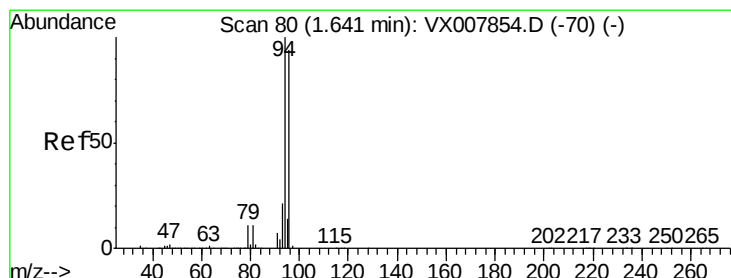
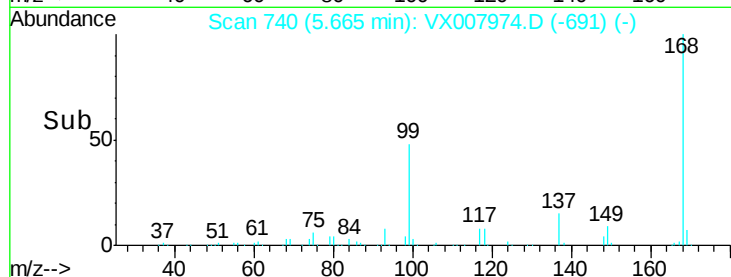
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007974.D

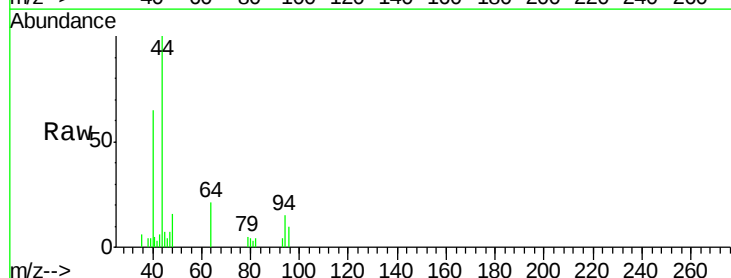
Acq: 11 Mar 2019 17:10

Tgt Ion: 94 Resp: 518

Ion Ratio Lower Upper

94 100

96 68.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

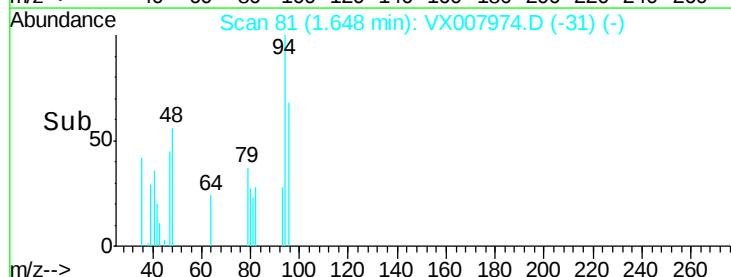
150

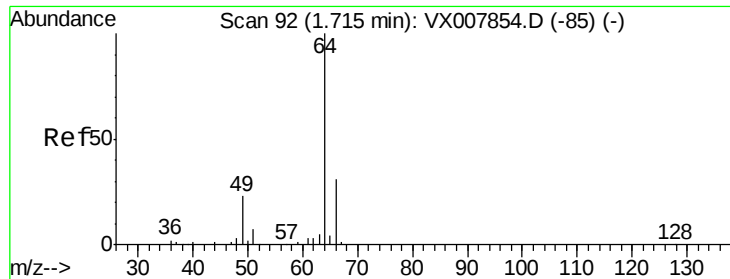
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.242 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

Instrument :

MSVOA_X

ClientSampled :

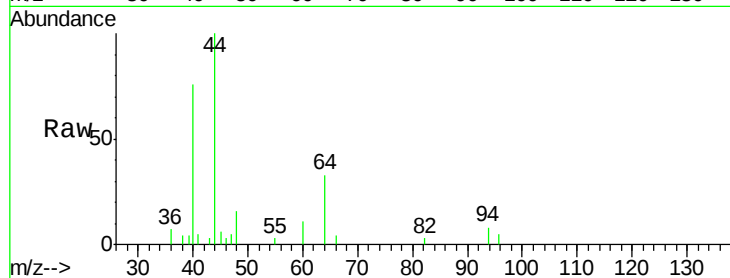
TB02-20190307

Tot Ion: 64 Resp: 462

Ion Ratio Lower Upper

64 100

66 22.5 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

400

300

200

100

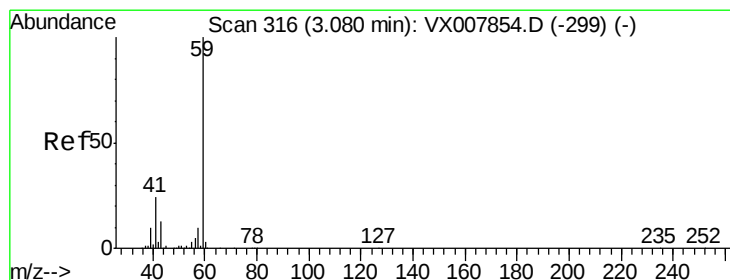
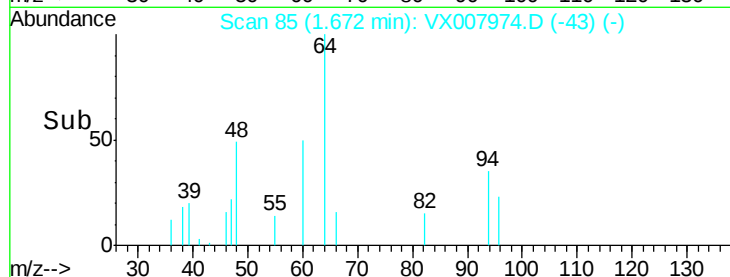
0

1.60

1.65

1.70

Time-->



#11

Tert butyl alcohol

Concen: 0.466 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX007974.D

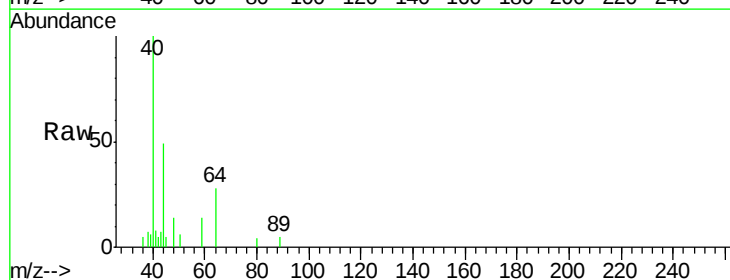
Acq: 11 Mar 2019 17:10

Tgt Ion: 59 Resp: 289

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

200

150

100

50

0

3.02

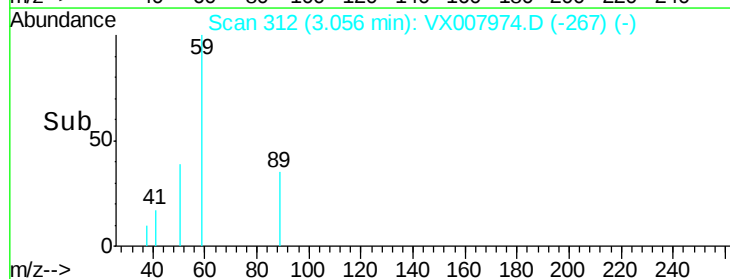
3.04

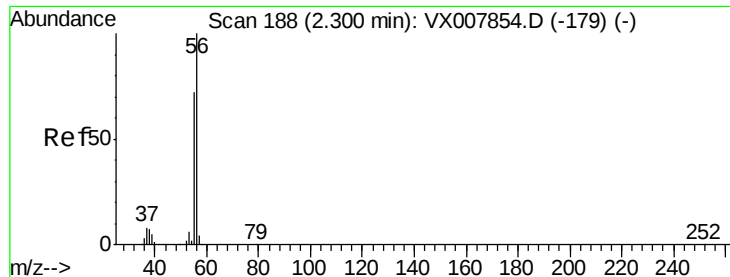
3.06

3.08

3.10

Time-->





#13

Acrolein

Concen: 1.598 ug/l

RT: 2.14 min Scan# 161

Delta R.T. -0.16 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

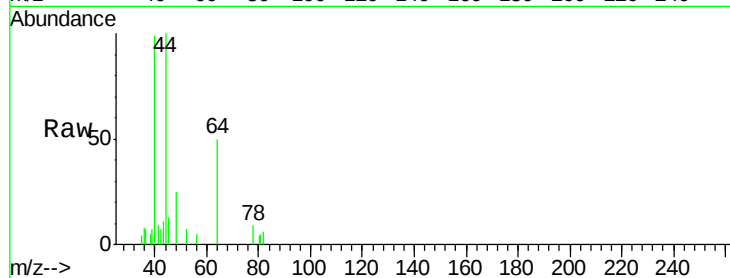
TB02-20190307

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#

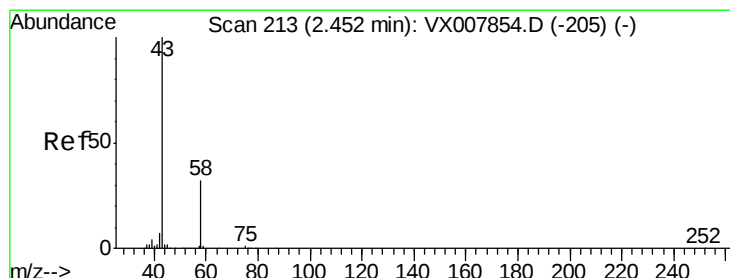
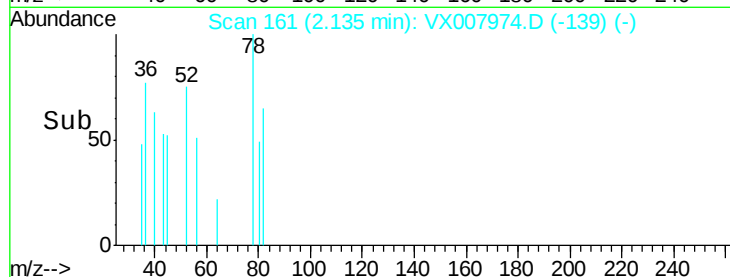


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.14

Time-->



#16

Acetone

Concen: 0.479 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX007974.D

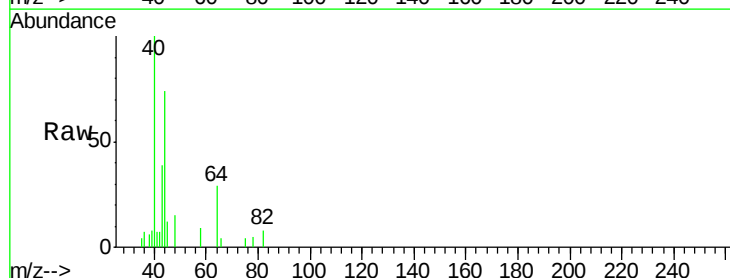
Acq: 11 Mar 2019 17:10

Tgt Ion: 43 Resp: 770

Ion Ratio Lower Upper

43 100

58 26.0 25.5 38.3

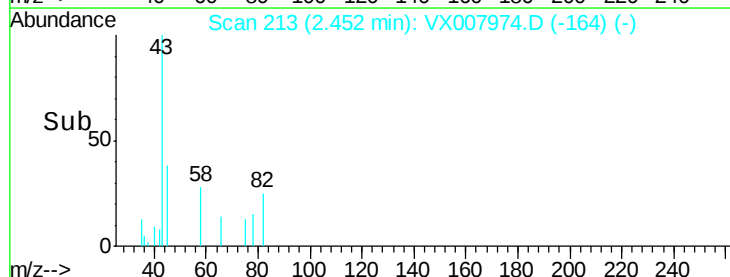


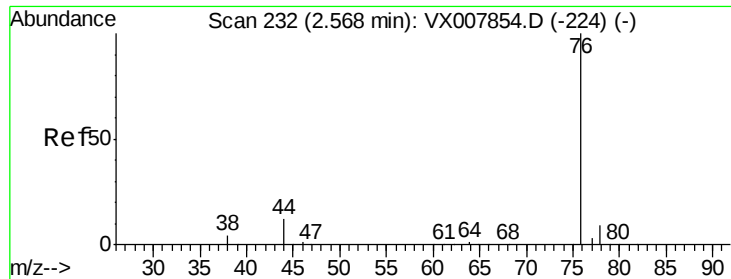
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->

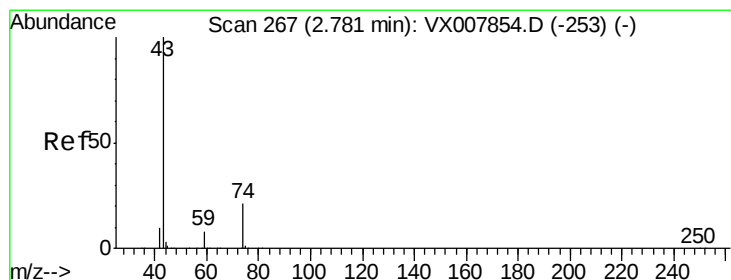
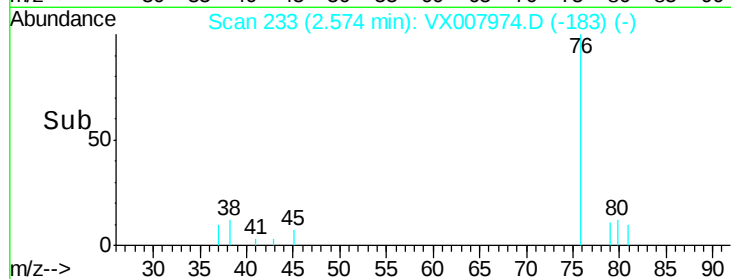
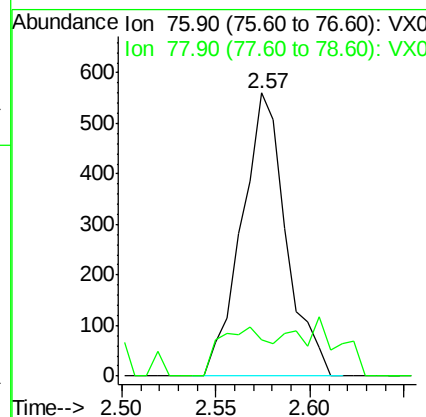
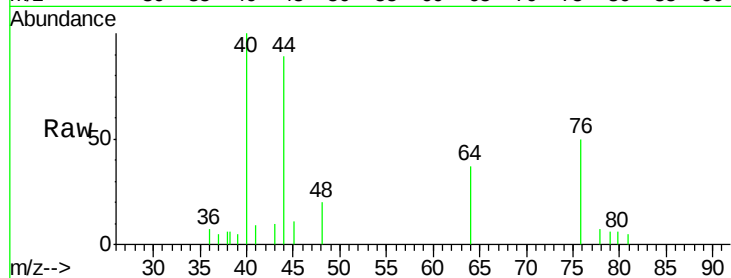




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007974.D
Acq: 11 Mar 2019 17:10

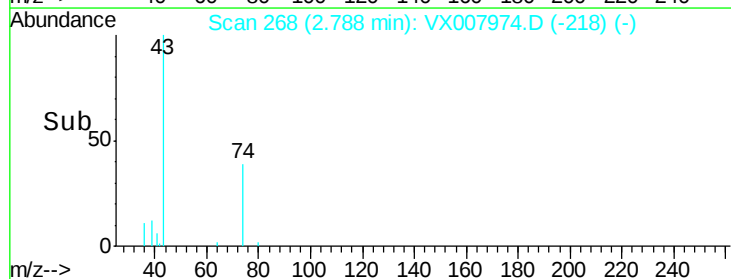
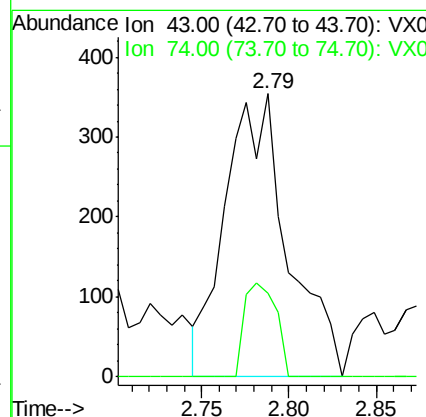
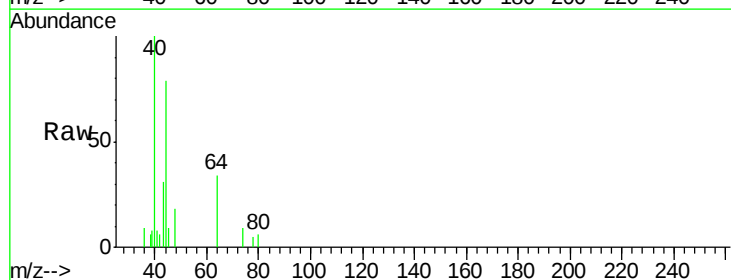
Instrument :
MSVOA_X
ClientSampleId :
TB02-20190307

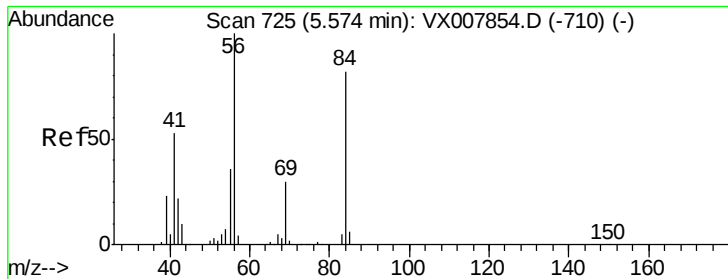
Tot Ion: 76 Resp: 914
Ion Ratio Lower Upper
76 100
78 13.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.258 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007974.D
Acq: 11 Mar 2019 17:10

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
74 16.8 17.8 26.6#

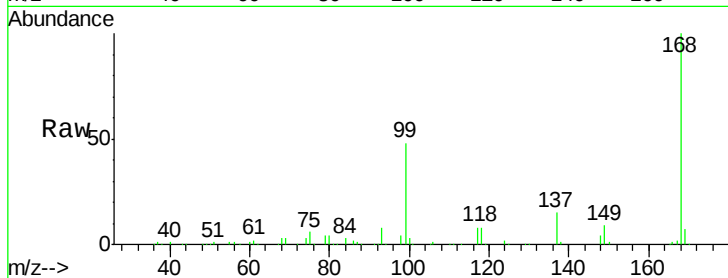




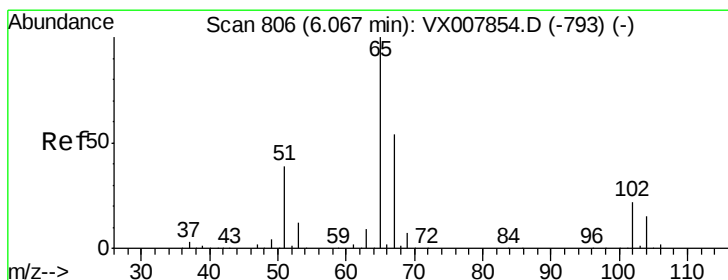
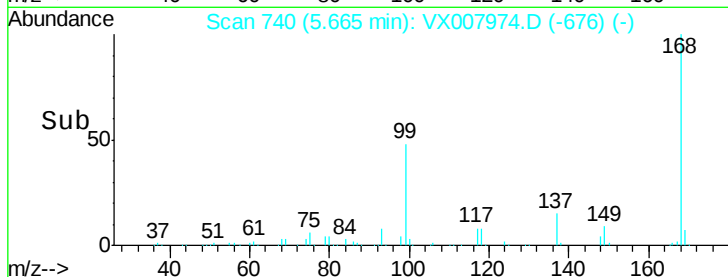
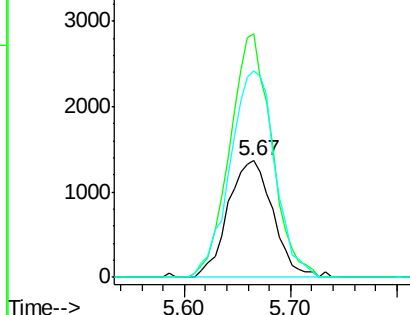
#31
Cvclohexane
Concen: 0.952 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007974.D
Acq: 11 Mar 2019 17:10

Instrument :
MSVOA_X
ClientSampleId :
TB02-20190307

Tot Ion: 56 Resp: 4061
Ion Ratio Lower Upper
56 100
69 208.5 24.0 36.0#
84 176.4 65.3 97.9#

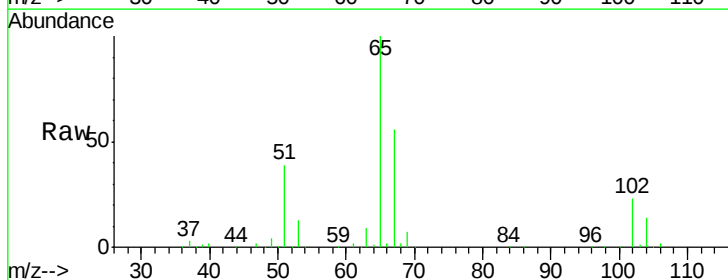


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

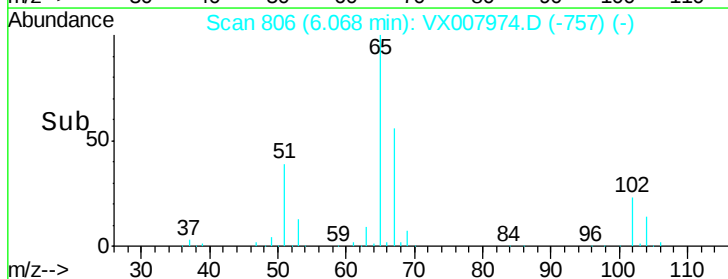
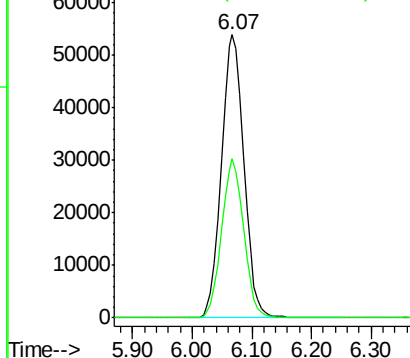


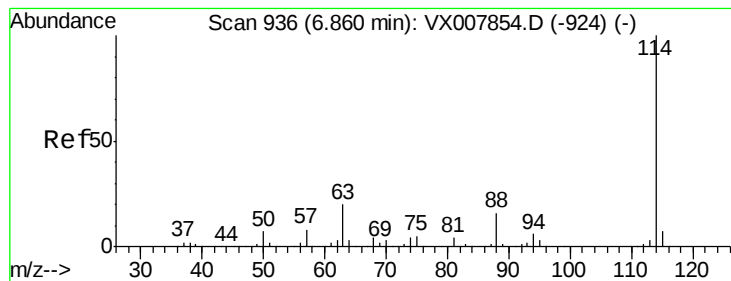
#33
1,2-Dichloroethane-d4
Concen: 50.976 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007974.D
Acq: 11 Mar 2019 17:10

Tgt Ion: 65 Resp: 141503
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

TB02-20190307

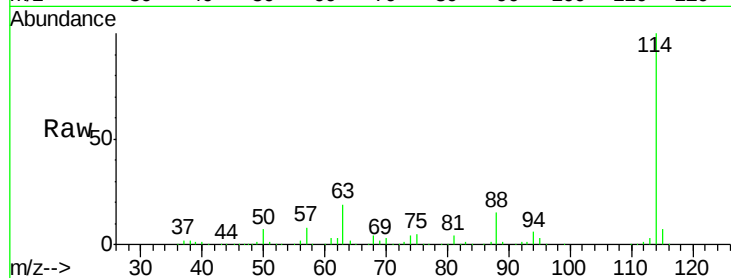
Tot Ion:114 Resp: 409580

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

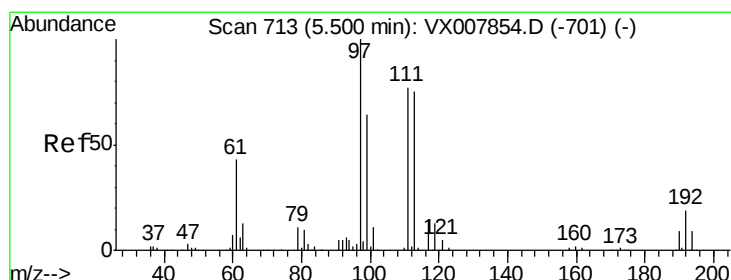
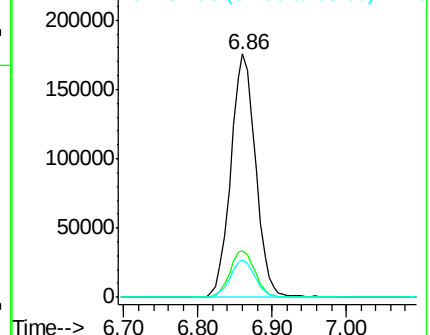
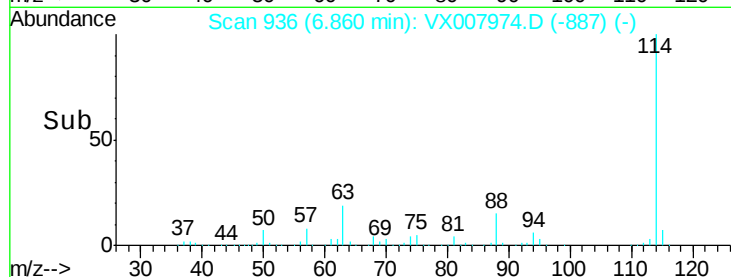
88 15.4 0.0 31.4



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: 50.748 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

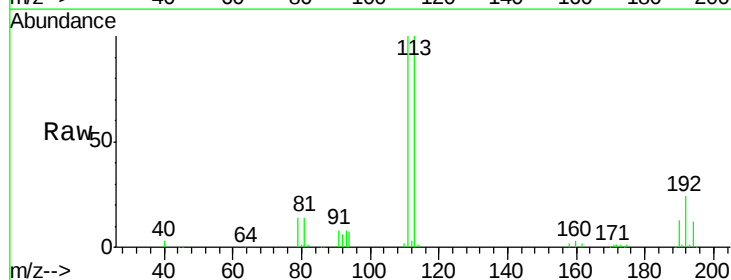
Tgt Ion:113 Resp: 132958

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

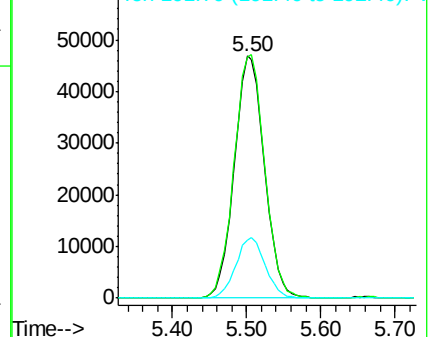
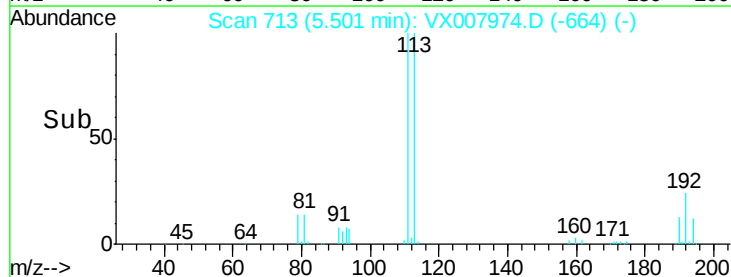
192 24.6 19.4 29.0

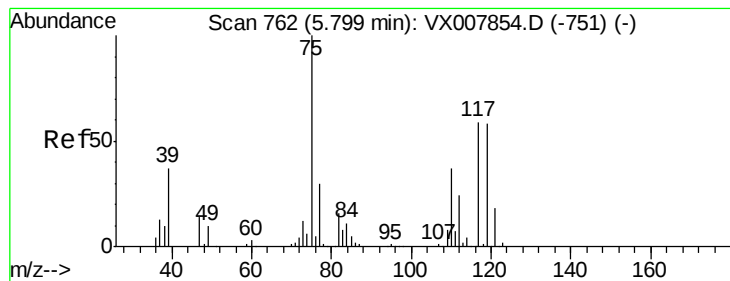


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

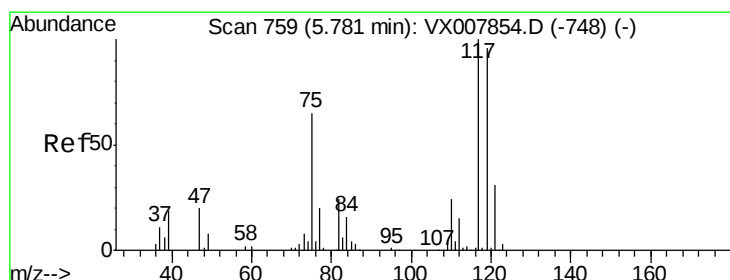
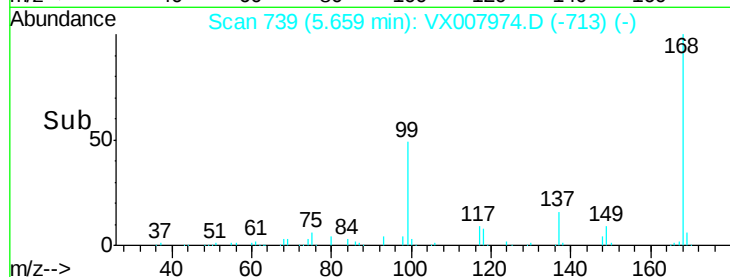
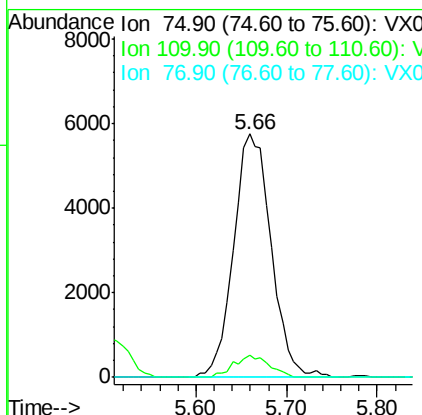
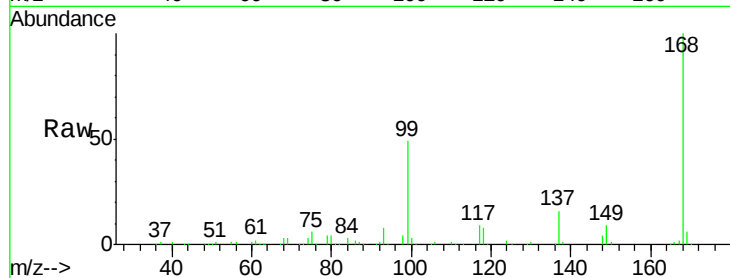




#36
 1,1-Dichloropropene
 Concen: 4.437 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007974.D
 Acq: 11 Mar 2019 17:10

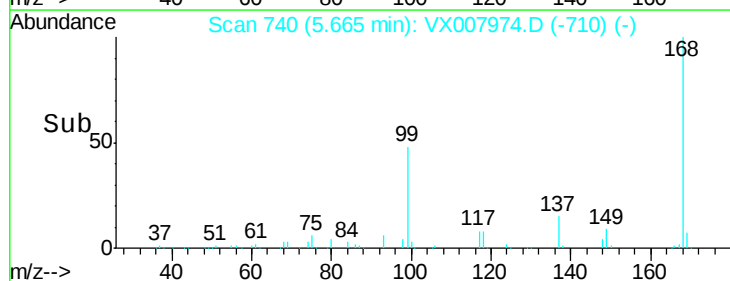
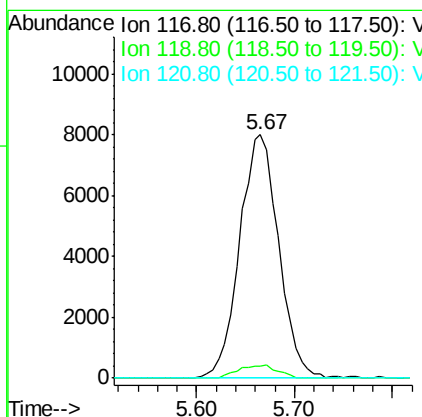
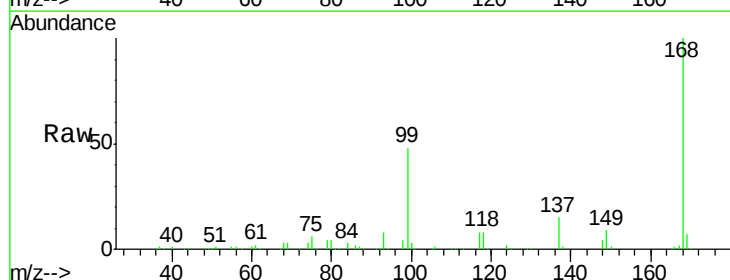
Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20190307

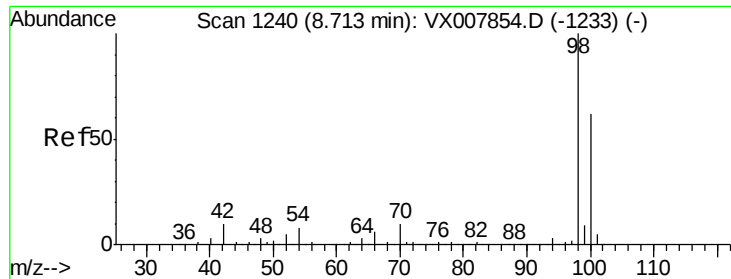
Tot Ion	75	Resp	16454
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	18.4	55.0#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.292 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007974.D
 Acq: 11 Mar 2019 17:10

Tgt Ion	117	Resp	22155
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 50.953 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

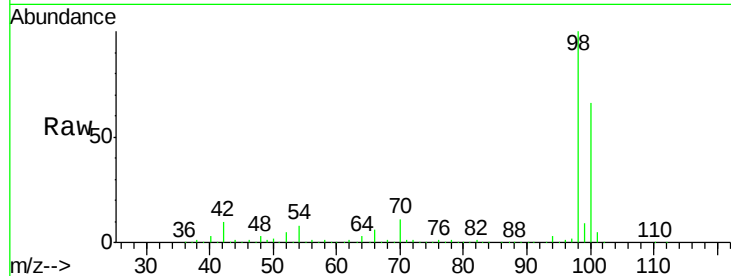
TB02-20190307

Tot Ion: 98 Resp: 490264

Ion Ratio Lower Upper

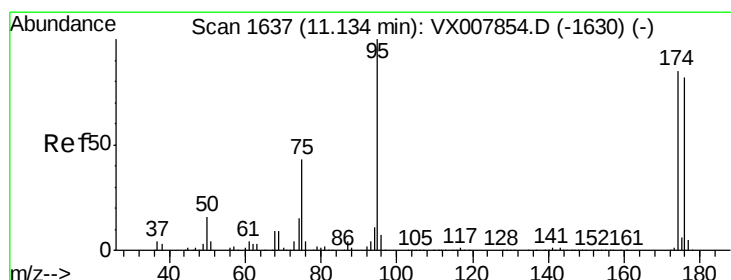
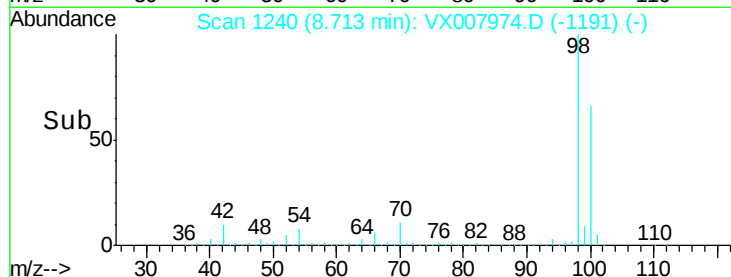
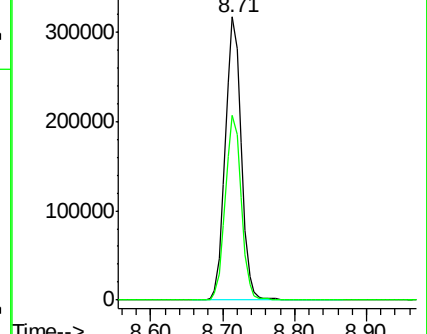
98 100

100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.484 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

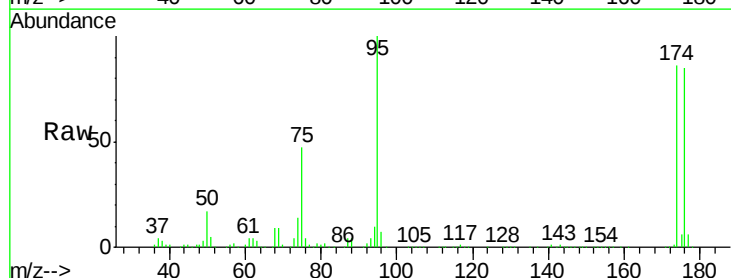
Tgt Ion: 95 Resp: 180426

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.8

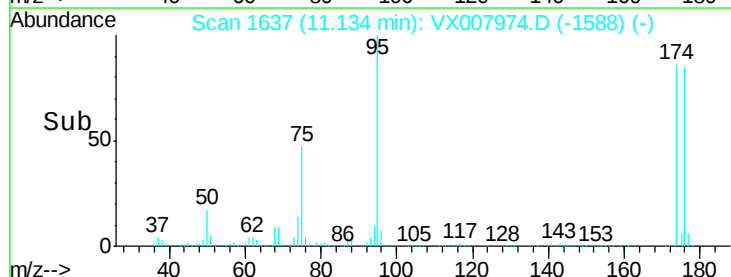
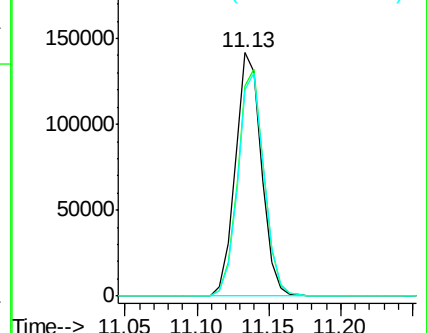
176 91.3 0.0 178.0

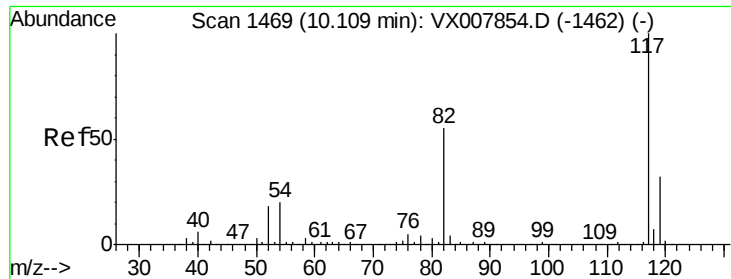


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

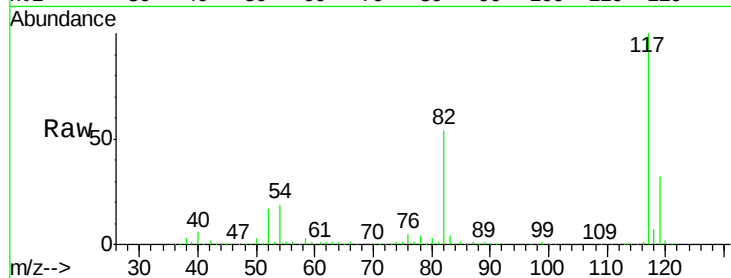




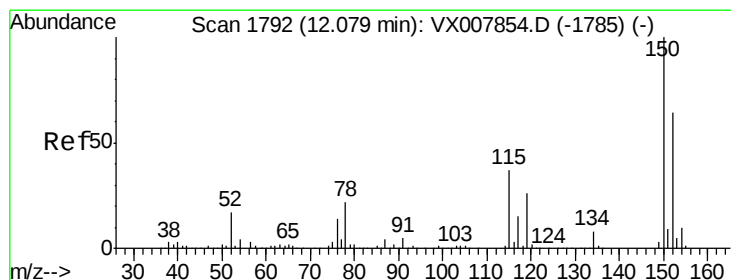
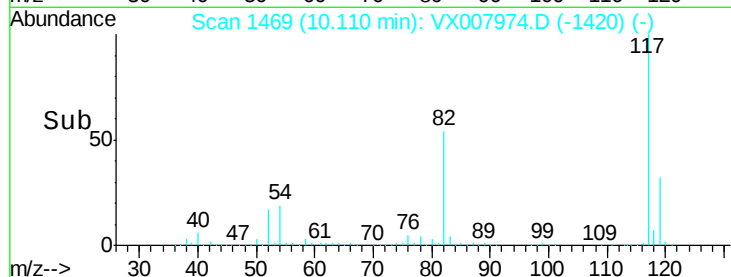
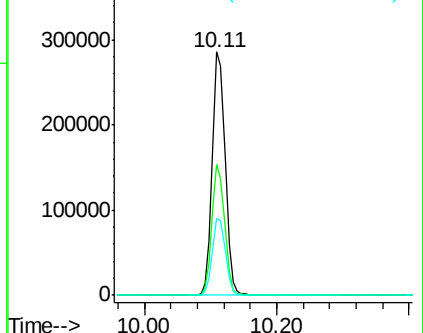
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007974.D
Acq: 11 Mar 2019 17:10

Instrument :
MSVOA_X
ClientSampleId :
TB02-20190307

Tot Ion:117 Resp: 386702
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 31.9 25.3 37.9

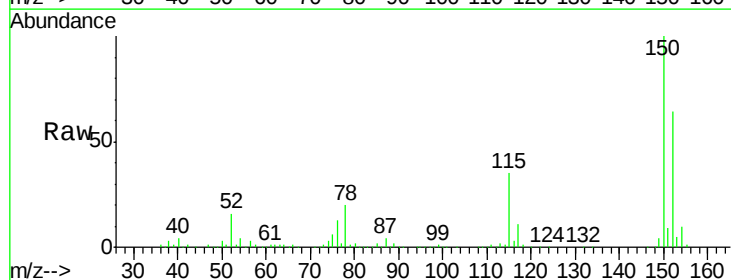


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

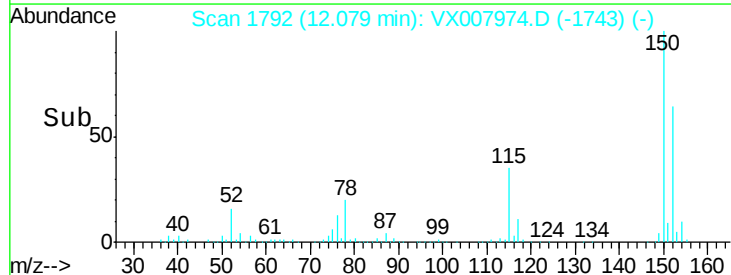
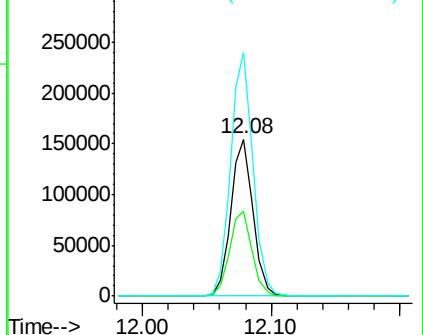


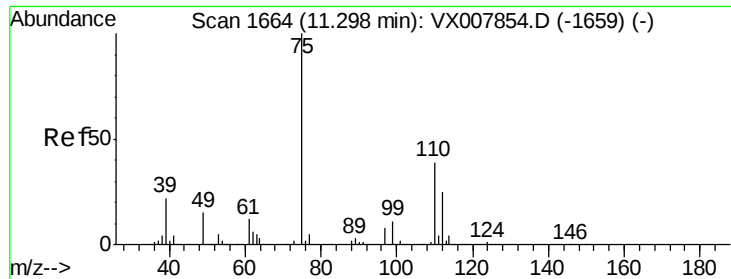
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007974.D
Acq: 11 Mar 2019 17:10

Tgt Ion:152 Resp: 186573
Ion Ratio Lower Upper
152 100
115 54.9 38.6 115.7
150 156.5 0.0 348.4



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: 21.310 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

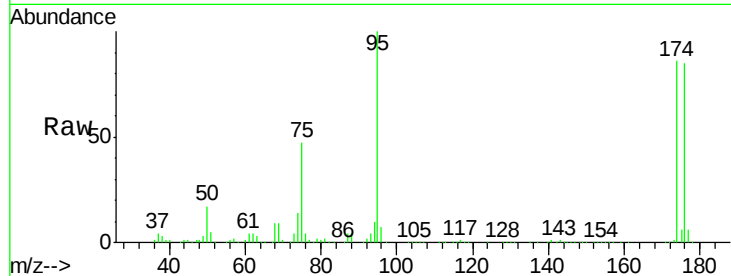
TB02-20190307

Tot Ion: 75 Resp: 83432

Ion Ratio Lower Upper

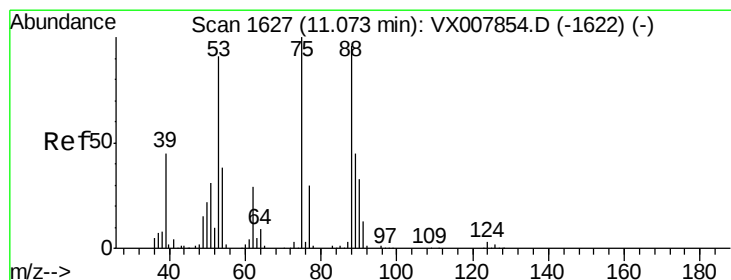
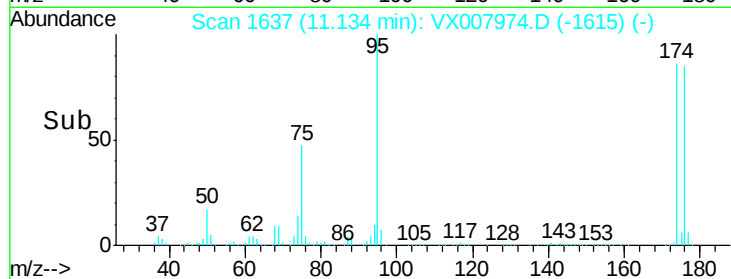
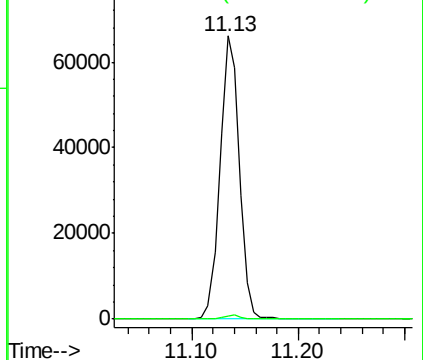
75 100

77 1.3 18.9 56.7#



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: 68.119 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007974.D

Acq: 11 Mar 2019 17:10

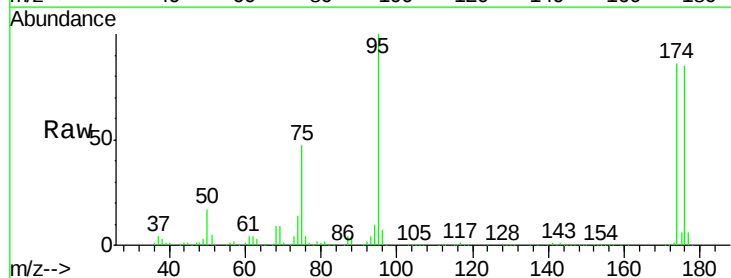
Tgt Ion: 75 Resp: 83432

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

