

Data File : VX008802.D
Acq On : 10 Apr 2019 14:00
Operator : JC/SP
Sample : K2349-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB06-190409

Quant Time: Apr 11 05:42:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	138057	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
35) Dibromofluoromethane	5.50	113	101243	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	8.71	98	425263	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.13	95	144342	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

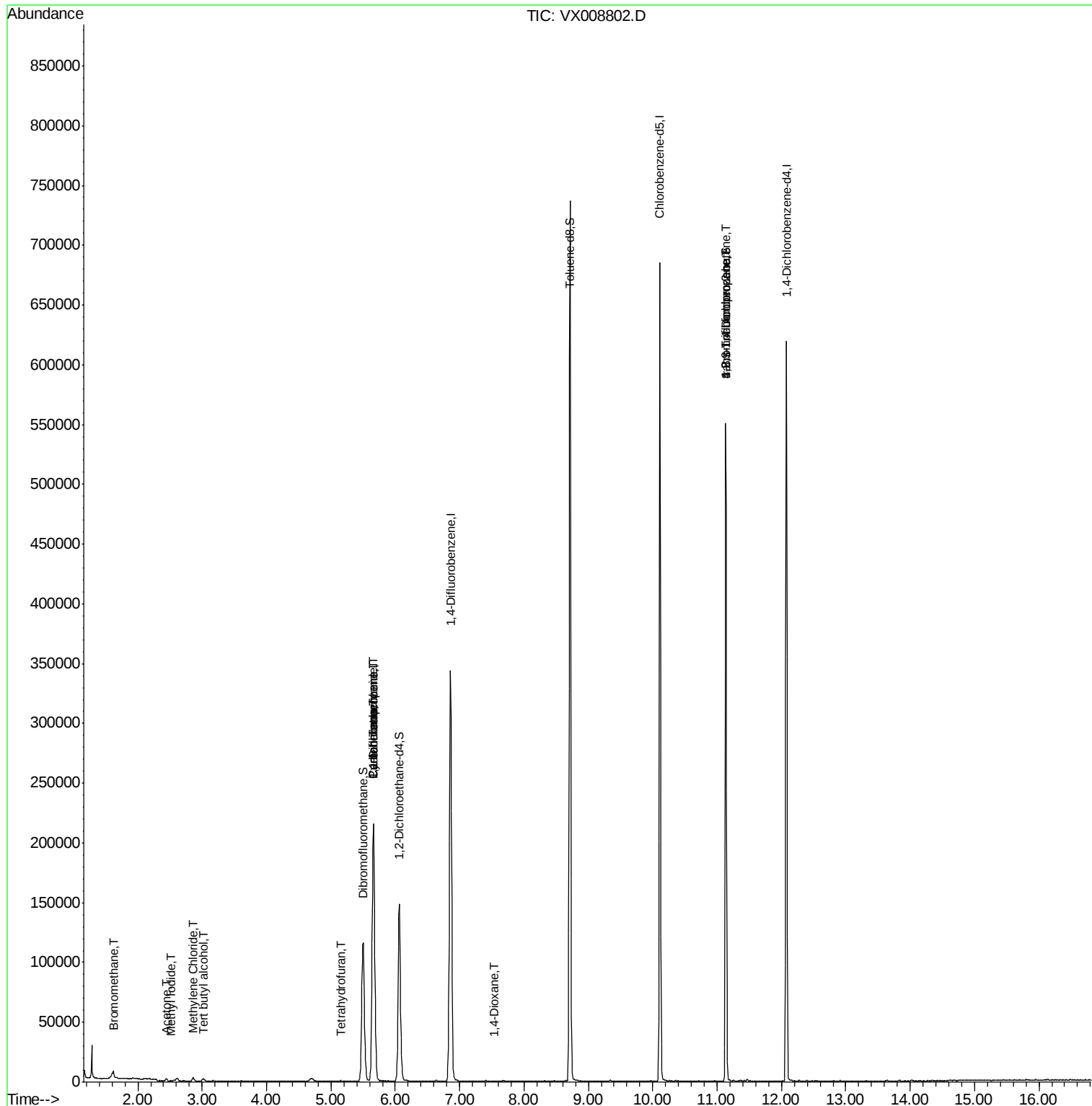
					Qvalue	
3) Chloromethane	1.32	50	455	Below Cal	#	77
5) Bromomethane	1.64	94	546	2.218 ug/l	#	58
6) Chloroethane	1.70	64	214	Below Cal	#	43
10) Methyl Iodide	2.52	142	313	4.142 ug/l	#	69
11) Tert butyl alcohol	3.02	59	1385	1.970 ug/l	#	72
16) Acetone	2.44	43	2128	1.230 ug/l		97
17) Carbon Disulfide	2.57	76	872	Below Cal	#	79
20) Methylene Chloride	2.86	84	1153	0.398 ug/l	#	89
28) Bromochloromethane	5.01	49	50	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	378	0.208 ug/l	#	59
31) Cyclohexane	5.66	56	4621	0.890 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	16569	4.494 ug/l	#	50
38) Carbon Tetrachloride	5.66	117	19601	6.423 ug/l	#	17
49) 1,4-Dioxane	7.54	88	20	0.274 ug/l	#	1
76) 1,2,3-Trichloropropane	11.13	75	72942	21.321 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72942	58.773 ug/l	#	9

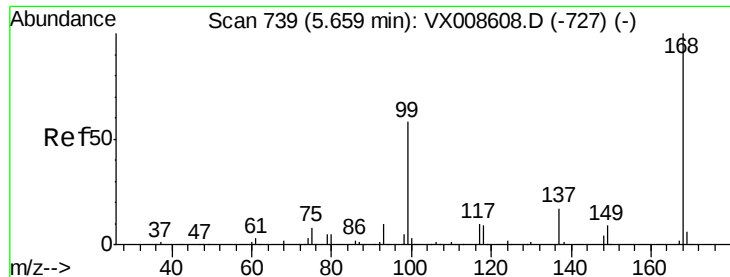
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

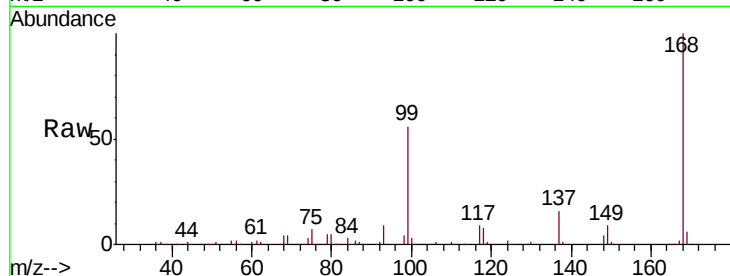
Z3-TB06-190409

Tgt Ion:168 Resp: 205917

Ion Ratio Lower Upper

168 100

99 56.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

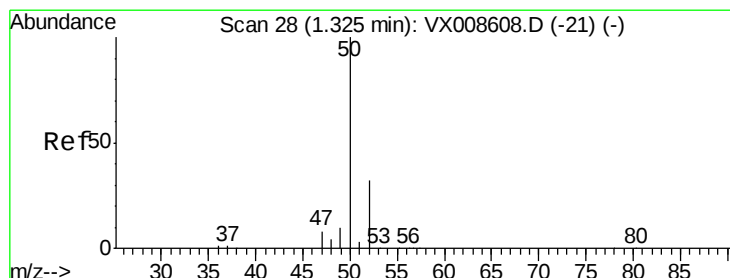
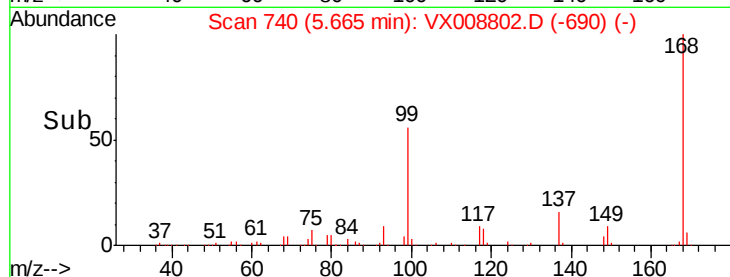
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008802.D

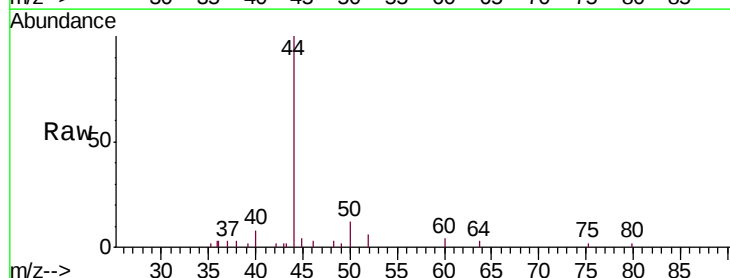
Acq: 10 Apr 2019 14:00

Tgt Ion: 50 Resp: 455

Ion Ratio Lower Upper

50 100

52 45.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

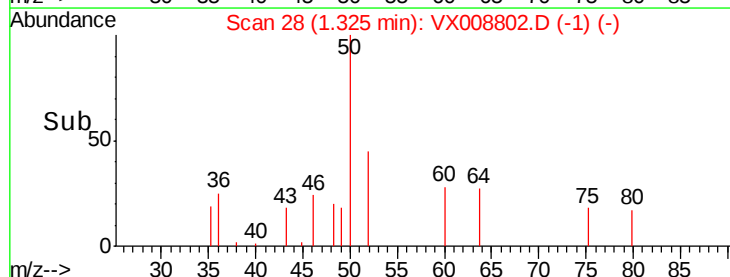
200

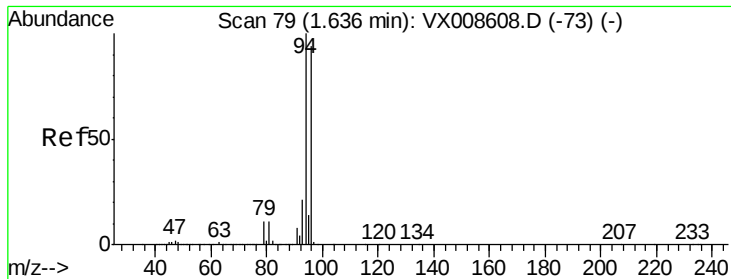
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.218 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

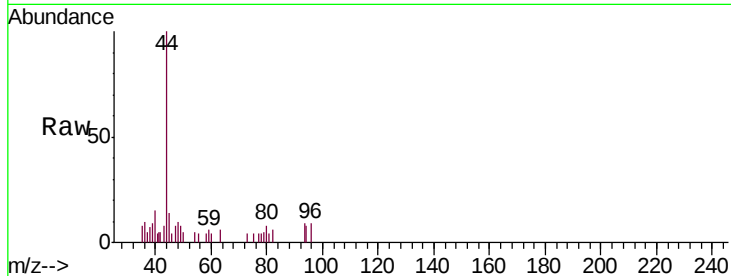
Z3-TB06-190409

Tgt Ion: 94 Resp: 546

Ion Ratio Lower Upper

94 100

96 53.7 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

100

50

0

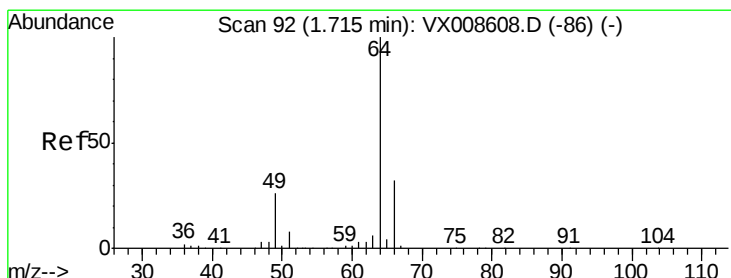
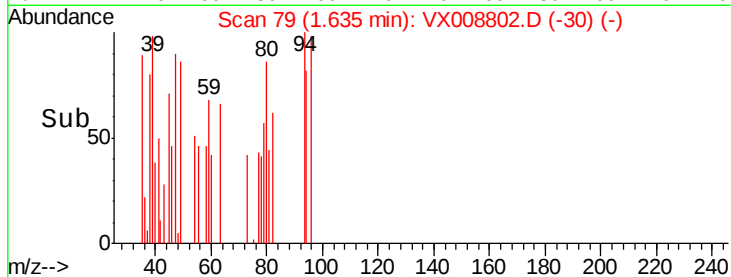
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008802.D

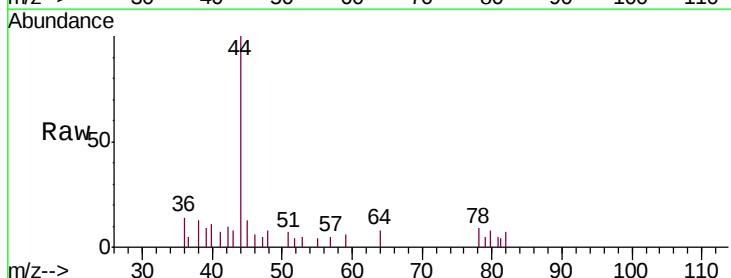
Acq: 10 Apr 2019 14:00

Tgt Ion: 64 Resp: 214

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

120

100

80

60

40

20

0

Time-->

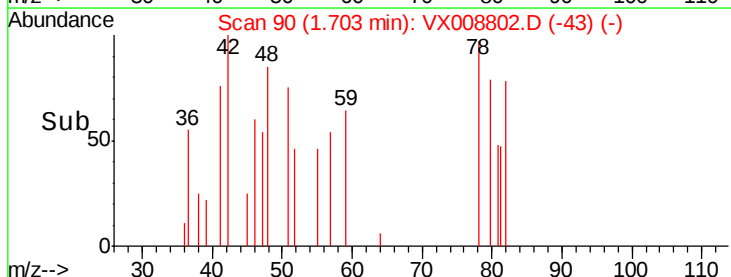
1.66

1.68

1.70

1.72

1.74

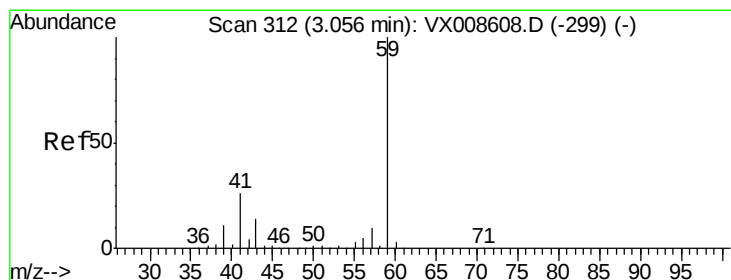
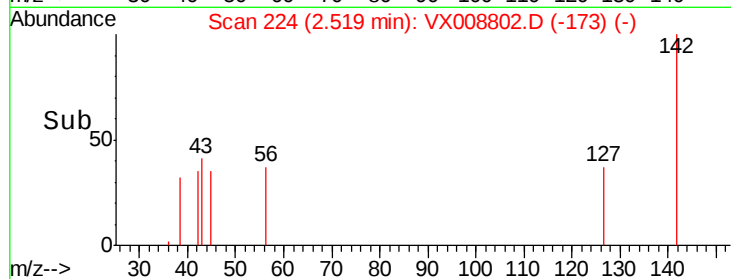
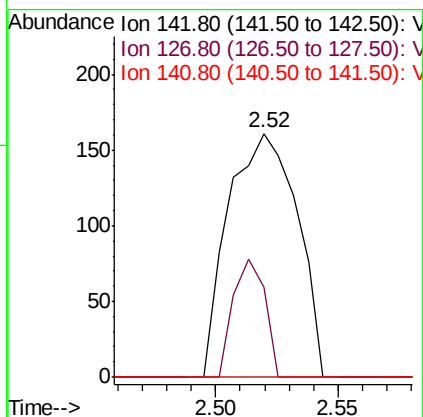
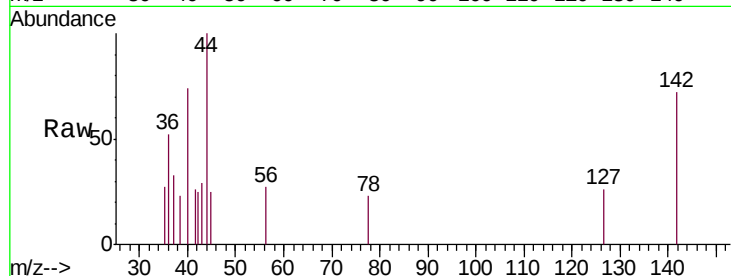




#10
Methyl Iodide
Concen: 4.142 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008802.D
Acq: 10 Apr 2019 14:00

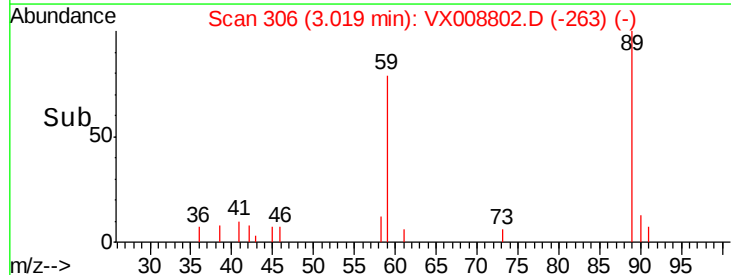
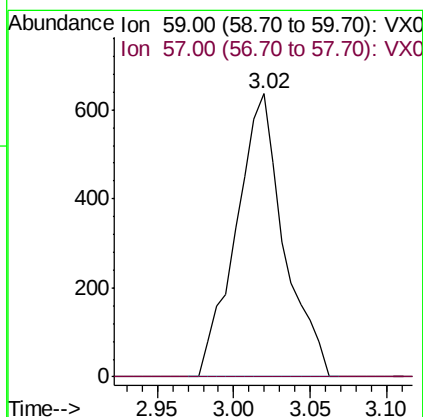
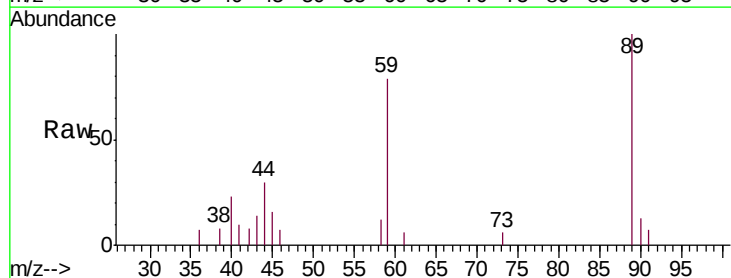
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB06-190409

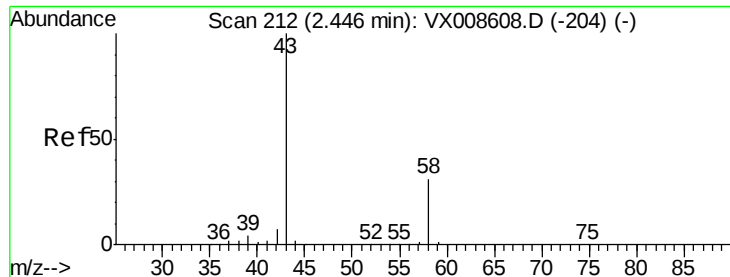
Tgt Ion: 142 Resp: 313
Ion Ratio Lower Upper
142 100
127 22.4 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.970 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008802.D
Acq: 10 Apr 2019 14:00

Tgt Ion: 59 Resp: 1385
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.230 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

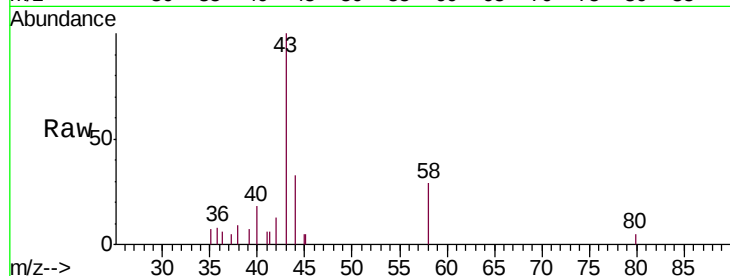
Z3-TB06-190409

Tgt Ion: 43 Resp: 2128

Ion Ratio Lower Upper

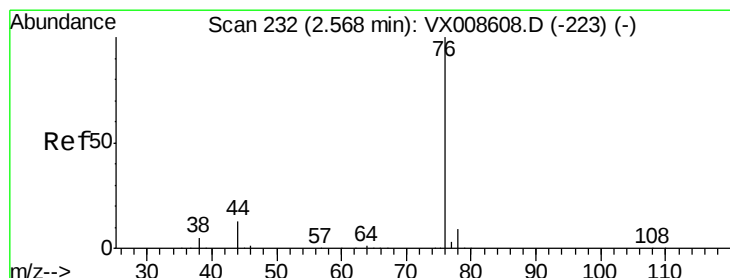
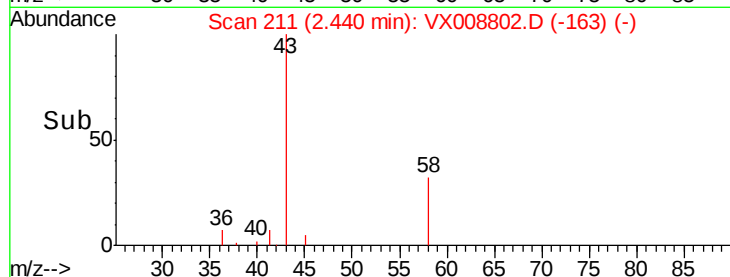
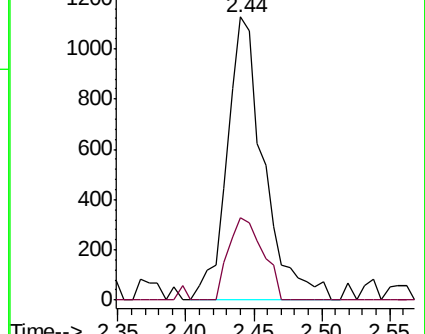
43 100

58 29.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008802.D

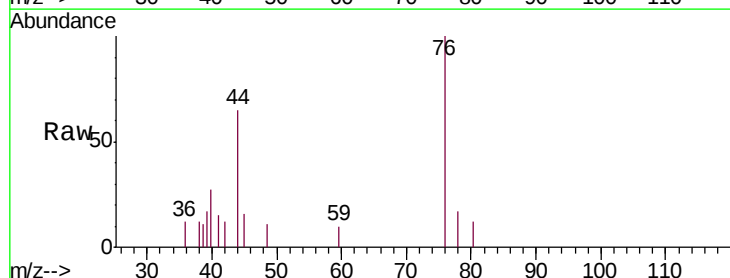
Acq: 10 Apr 2019 14:00

Tgt Ion: 76 Resp: 872

Ion Ratio Lower Upper

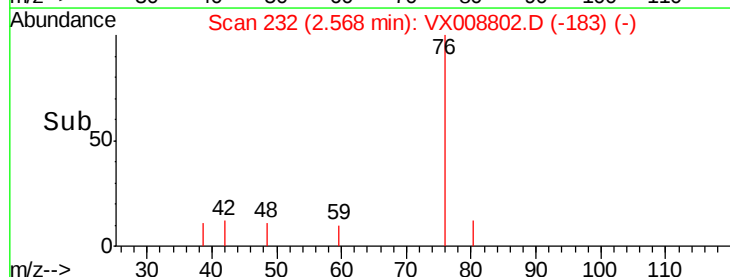
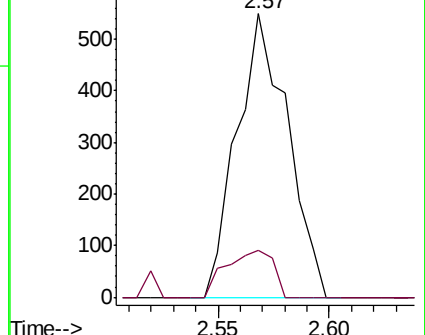
76 100

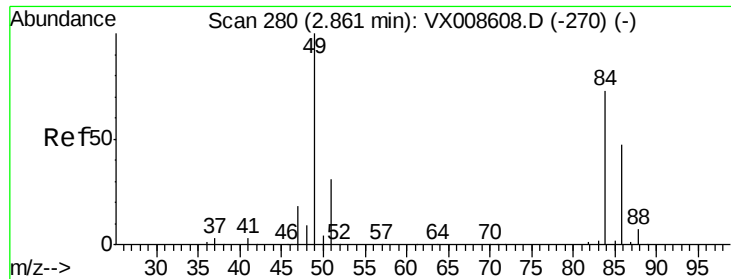
78 16.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

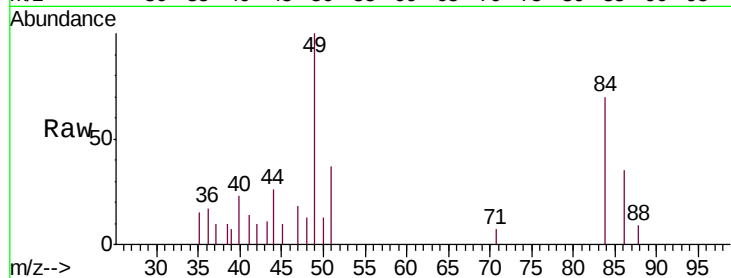




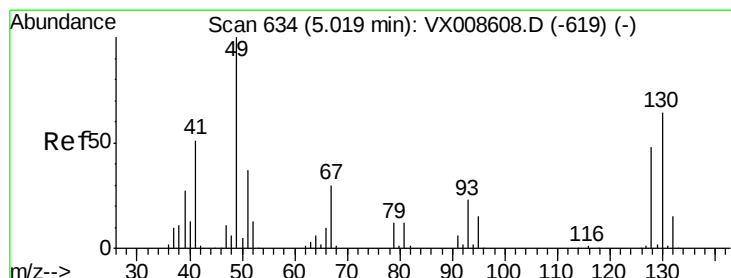
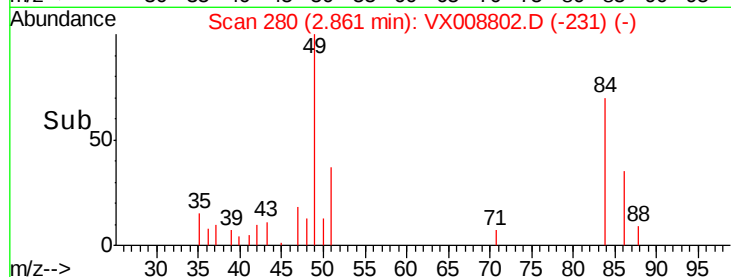
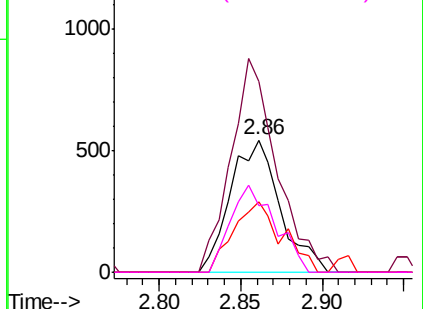
#20
Methylene Chloride
Concen: 0.398 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008802.D
Acq: 10 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampled :
Z3-TB06-190409

Tgt Ion: 84 Resp: 1153
Ion Ratio Lower Upper
84 100
49 143.8 109.7 164.5
51 53.3 33.6 50.4#
86 50.4 51.4 77.2#

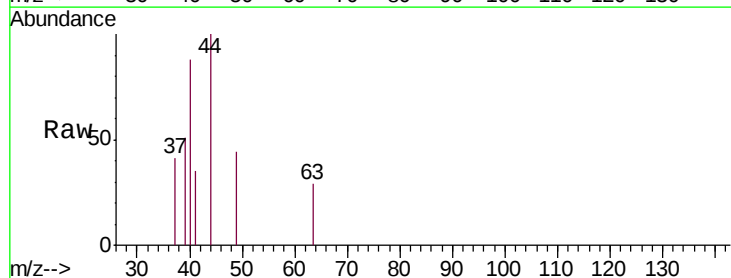


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

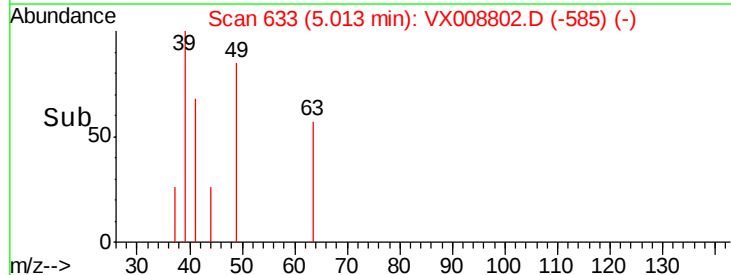
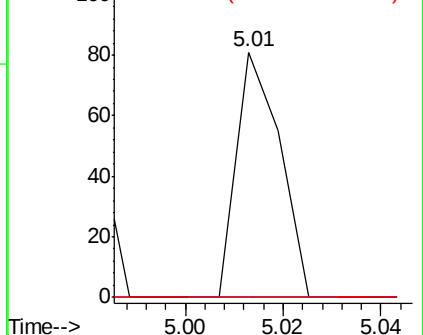


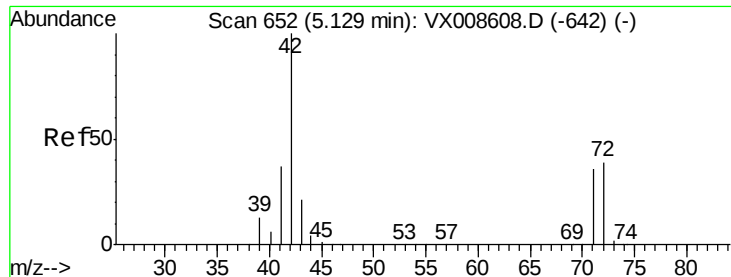
#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008802.D
Acq: 10 Apr 2019 14:00

Tgt Ion: 49 Resp: 50
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB06-190409

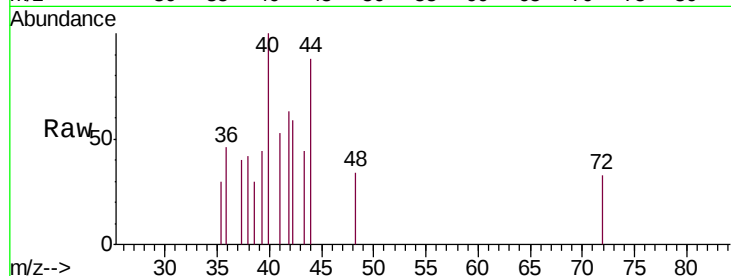
Tgt Ion: 42 Resp: 378

Ion Ratio Lower Upper

42 100

72 18.3 30.5 45.7#

71 6.9 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

250

200

150

100

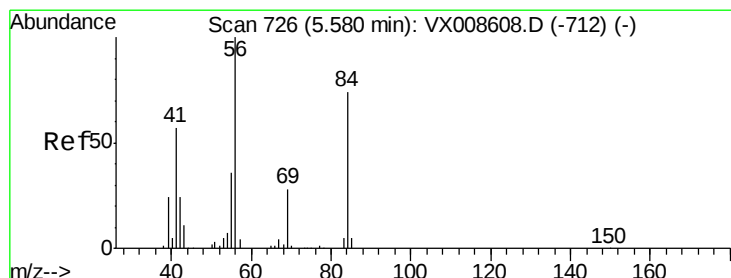
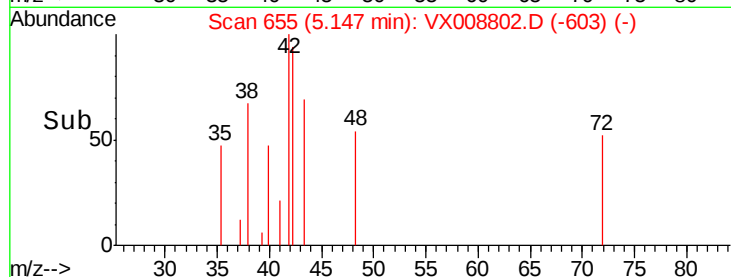
50

0

5.10

5.15

Time-->



#31

Cyclohexane

Concen: 0.890 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

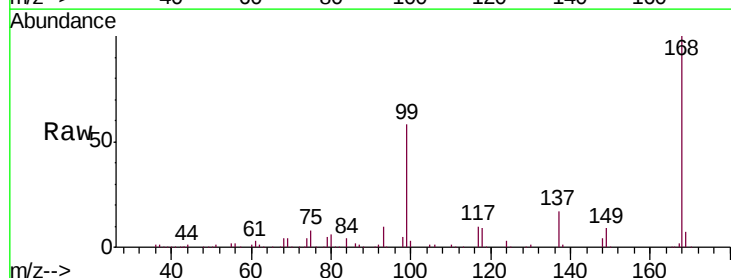
Tgt Ion: 56 Resp: 4621

Ion Ratio Lower Upper

56 100

69 184.3 22.6 33.8#

84 172.1 59.3 88.9#



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

3000

2000

1000

0

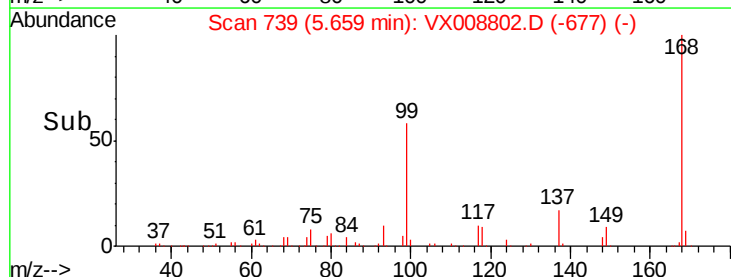
5.50

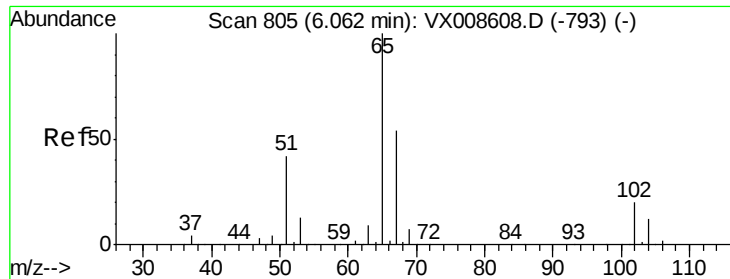
5.60

5.70

5.80

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.967 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

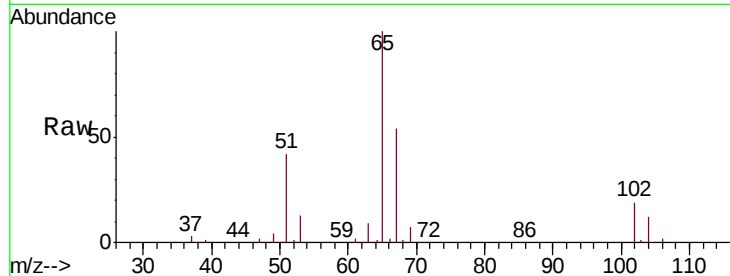
Z3-TB06-190409

Tgt Ion: 65 Resp: 138057

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

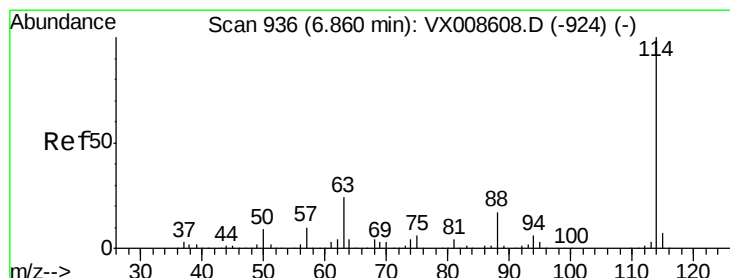
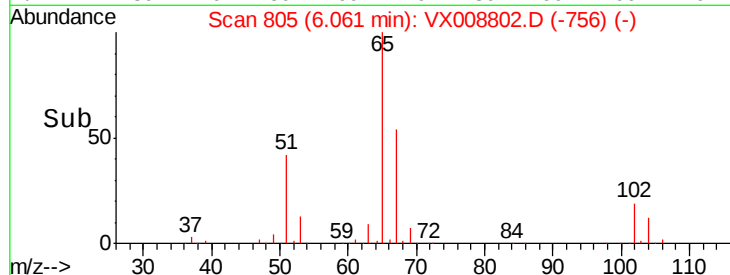
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

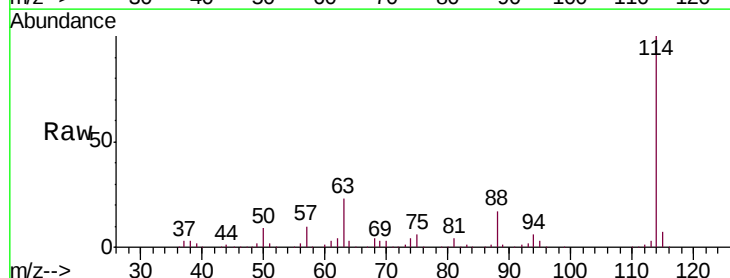
Tgt Ion: 114 Resp: 337306

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

88 16.6 0.0 34.0



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

200000

150000

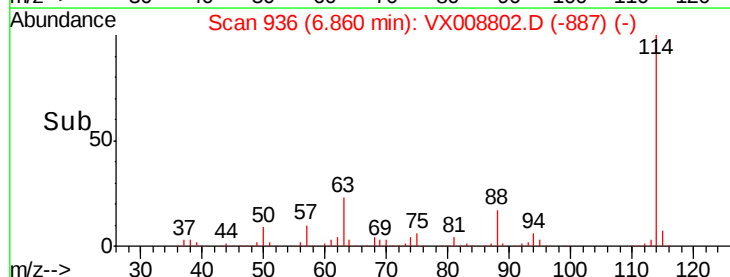
100000

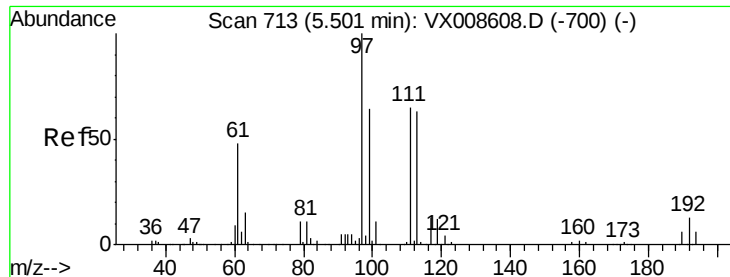
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10

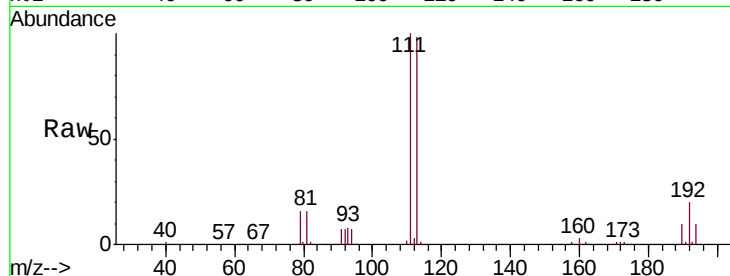




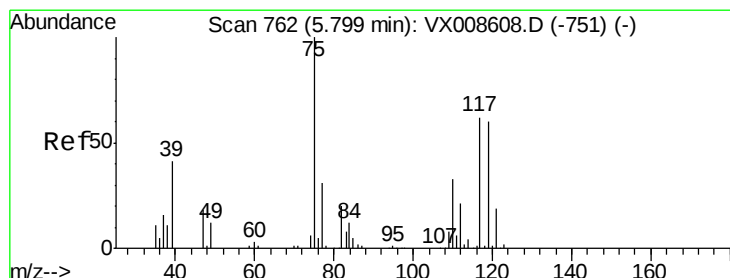
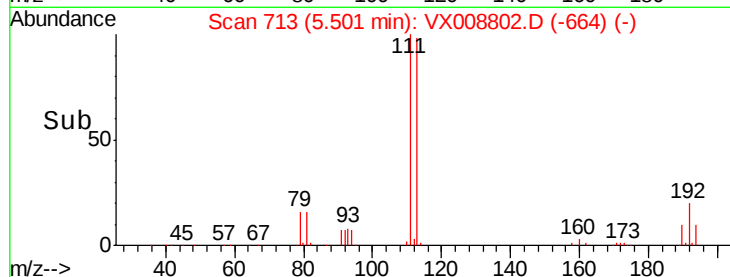
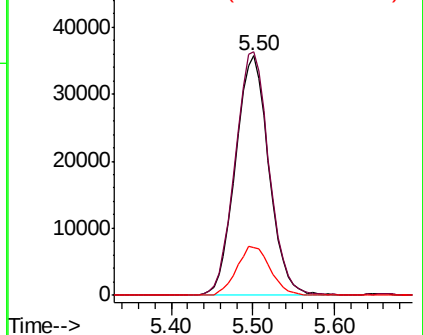
#35
 Dibromofluoromethane
 Concen: 46.945 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008802.D
 Acq: 10 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB06-190409

Tgt Ion:113 Resp: 101243
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 20.7 16.1 24.1

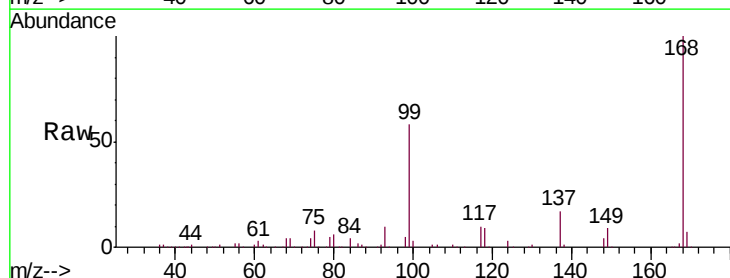


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

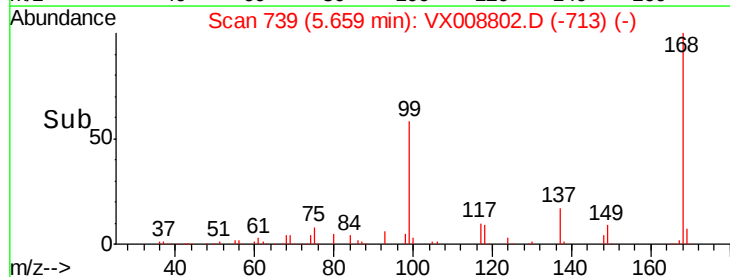
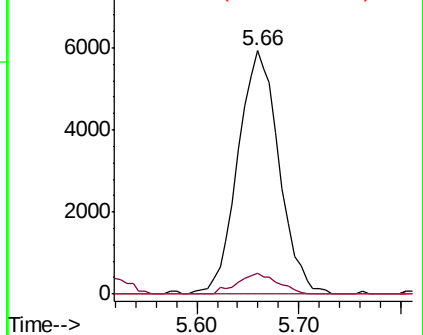


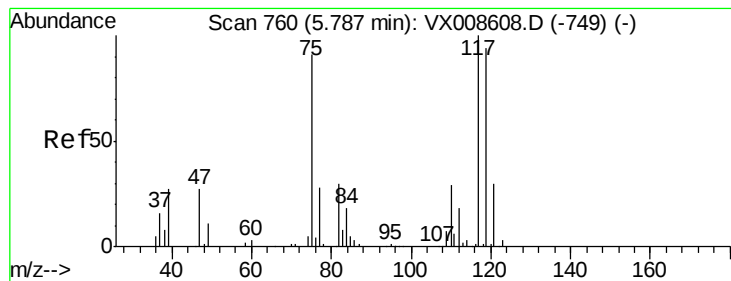
#36
 1,1-Dichloropropene
 Concen: 4.494 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008802.D
 Acq: 10 Apr 2019 14:00

Tgt Ion: 75 Resp: 16569
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.4 49.2#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB06-190409

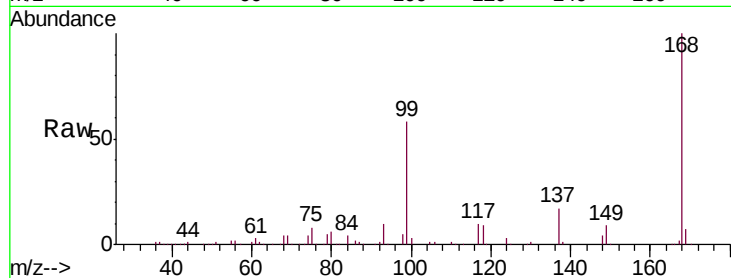
Tgt Ion:117 Resp: 19601

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

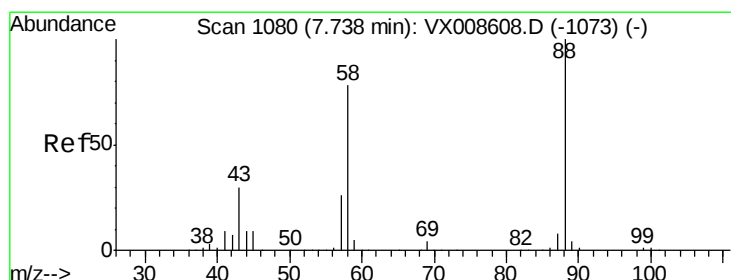
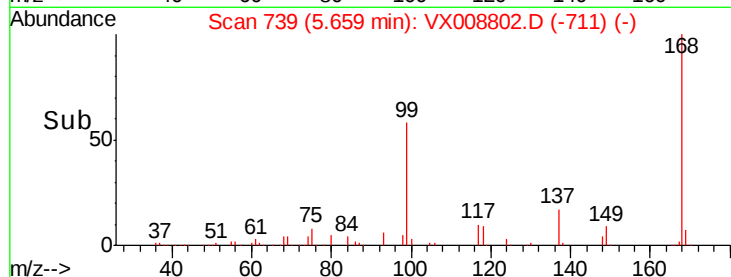
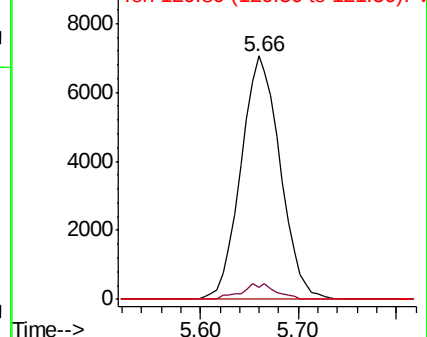
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 0.274 ug/l

RT: 7.54 min Scan# 1047

Delta R.T. -0.20 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

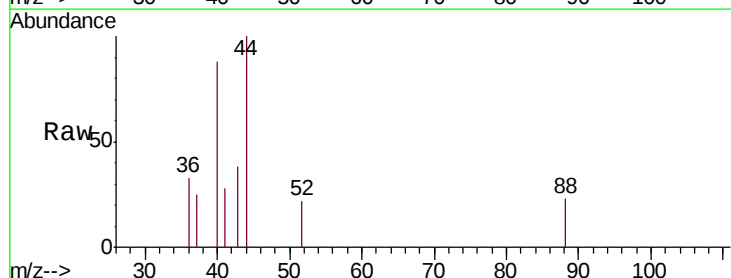
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 505.0 28.6 43.0#

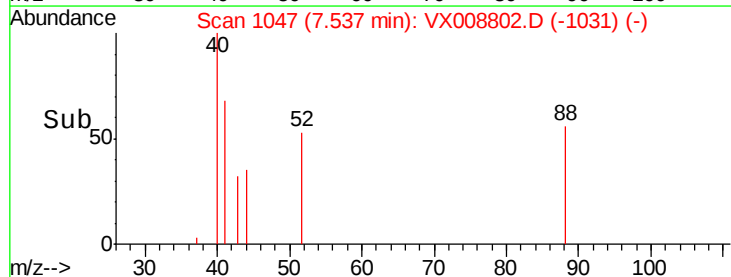
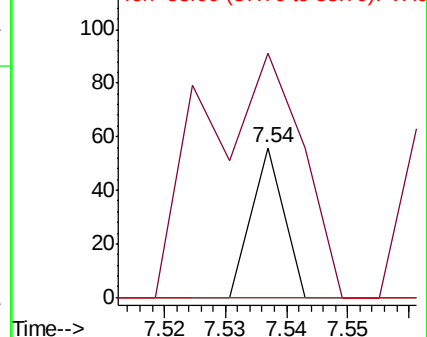
58 0.0 62.2 93.2#

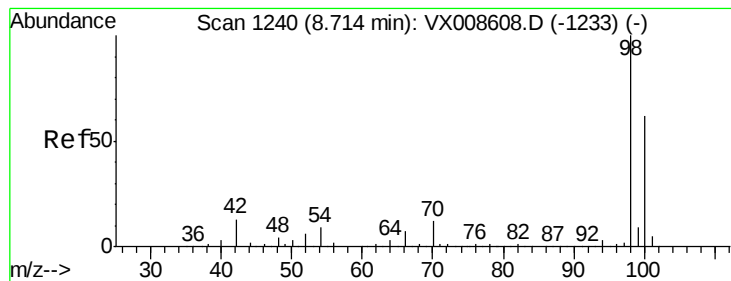


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.524 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

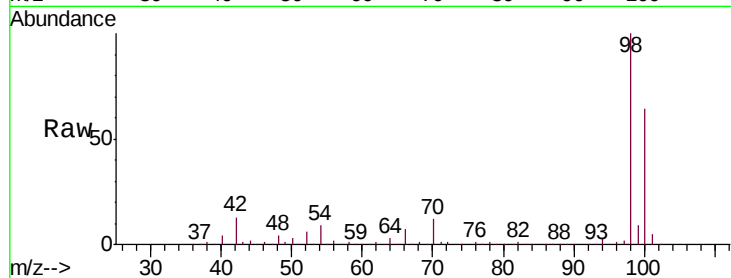
Z3-TB06-190409

Tgt Ion: 98 Resp: 425263

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

100000

50000

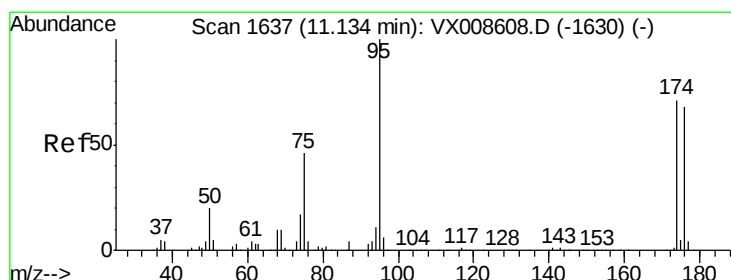
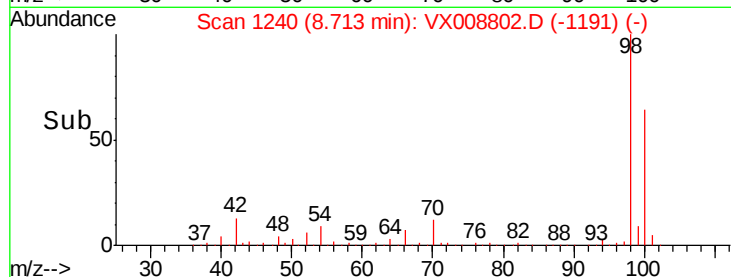
0

8.60

8.71

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.401 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008802.D

Acq: 10 Apr 2019 14:00

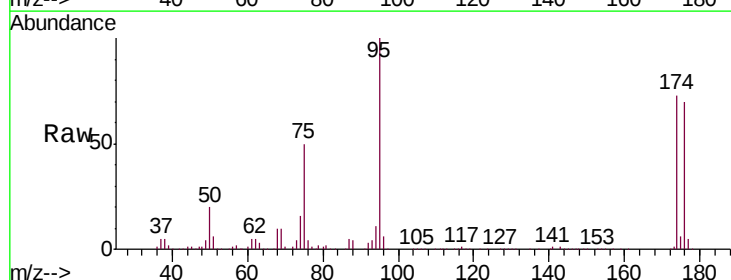
Tgt Ion: 95 Resp: 144342

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.8

176 75.0 0.0 145.8



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

150000

100000

50000

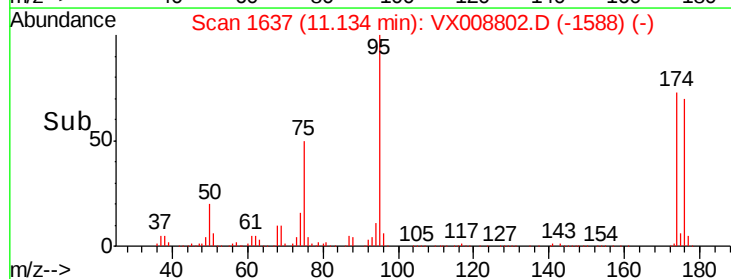
0

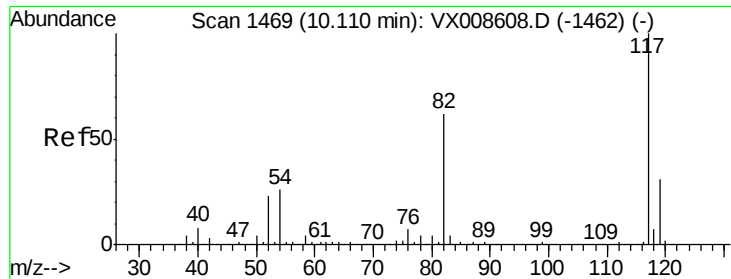
11.10

11.13

11.20

Time-->

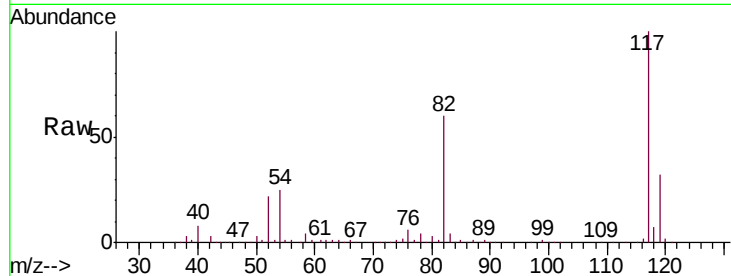




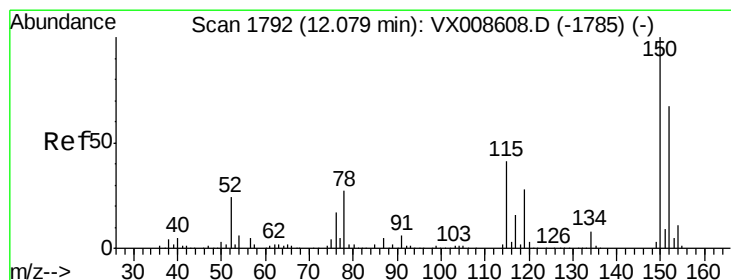
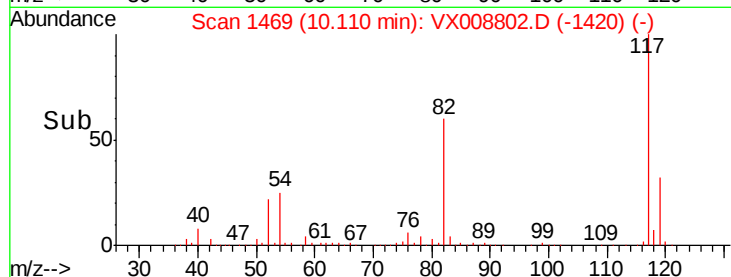
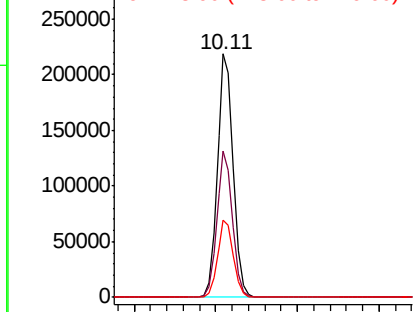
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008802.D
Acq: 10 Apr 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB06-190409

Tgt Ion:117 Resp: 297988
Ion Ratio Lower Upper
117 100
82 59.9 49.6 74.4
119 31.8 25.0 37.4

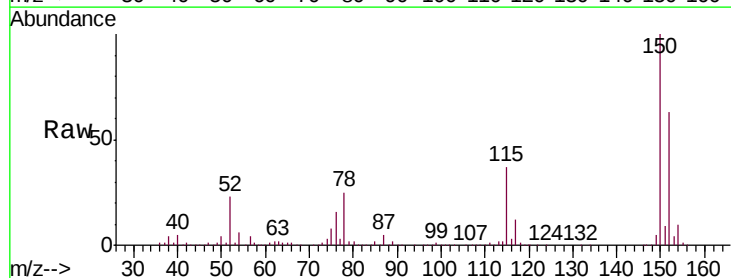


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

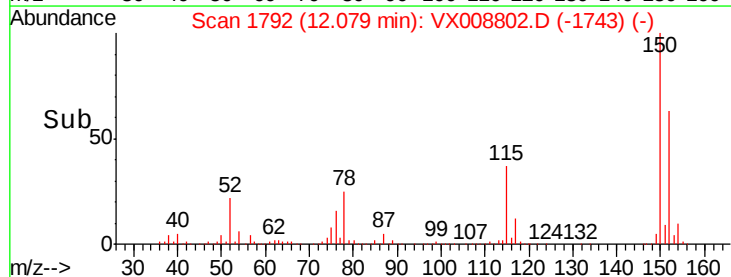
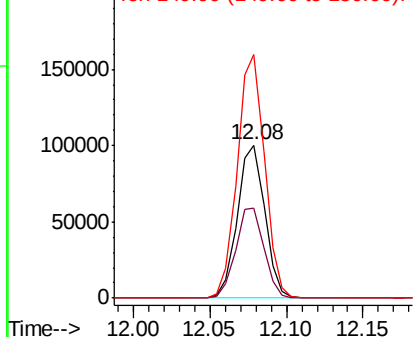


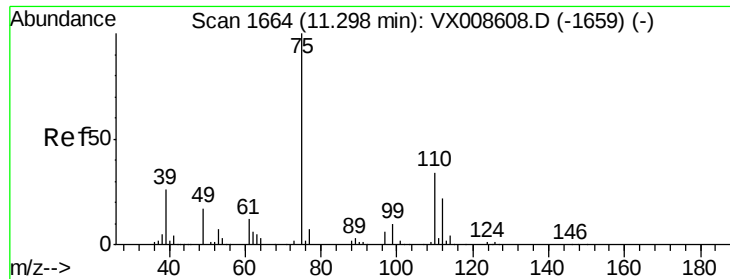
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008802.D
Acq: 10 Apr 2019 14:00

Tgt Ion:152 Resp: 124535
Ion Ratio Lower Upper
152 100
115 60.6 43.5 130.5
150 159.1 0.0 348.8



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

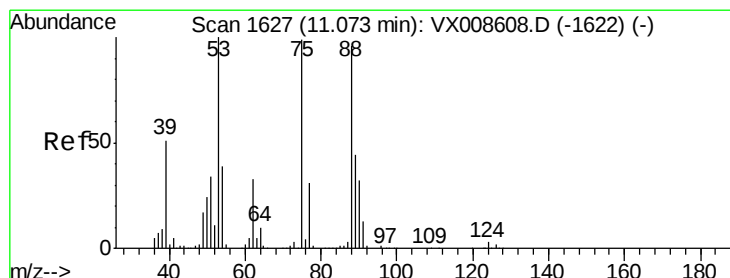
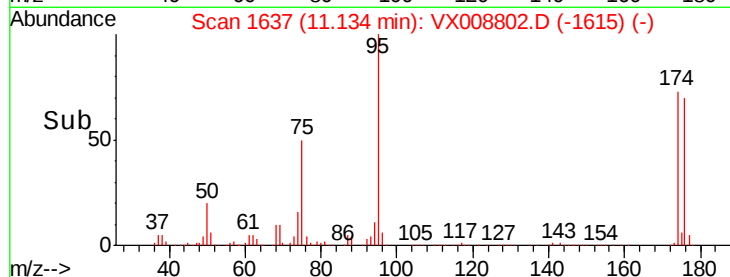
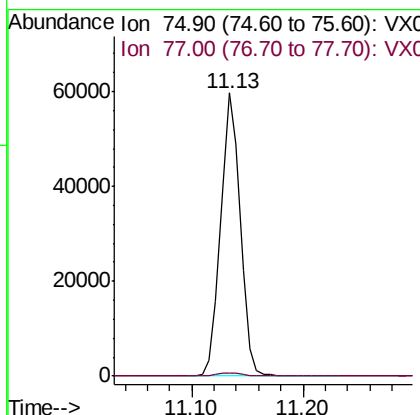
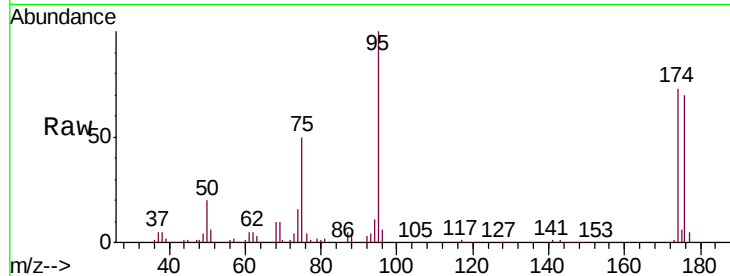




#76
 1,2,3-Trichloropropane
 Concen: 21.321 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008802.D
 Acq: 10 Apr 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB06-190409

Tgt Ion: 75 Resp: 72942
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.773 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008802.D
 Acq: 10 Apr 2019 14:00

Tgt Ion: 75 Resp: 72942
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

