

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008720.D
 Acq On : 06 Apr 2019 15:05
 Operator : JC/SP
 Sample : K2295-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB03-190403

Quant Time: Apr 08 01:54:27 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	5.66	168	209881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125401	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	143895	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	5.50	113	105168	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	8.71	98	438401	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	146537	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

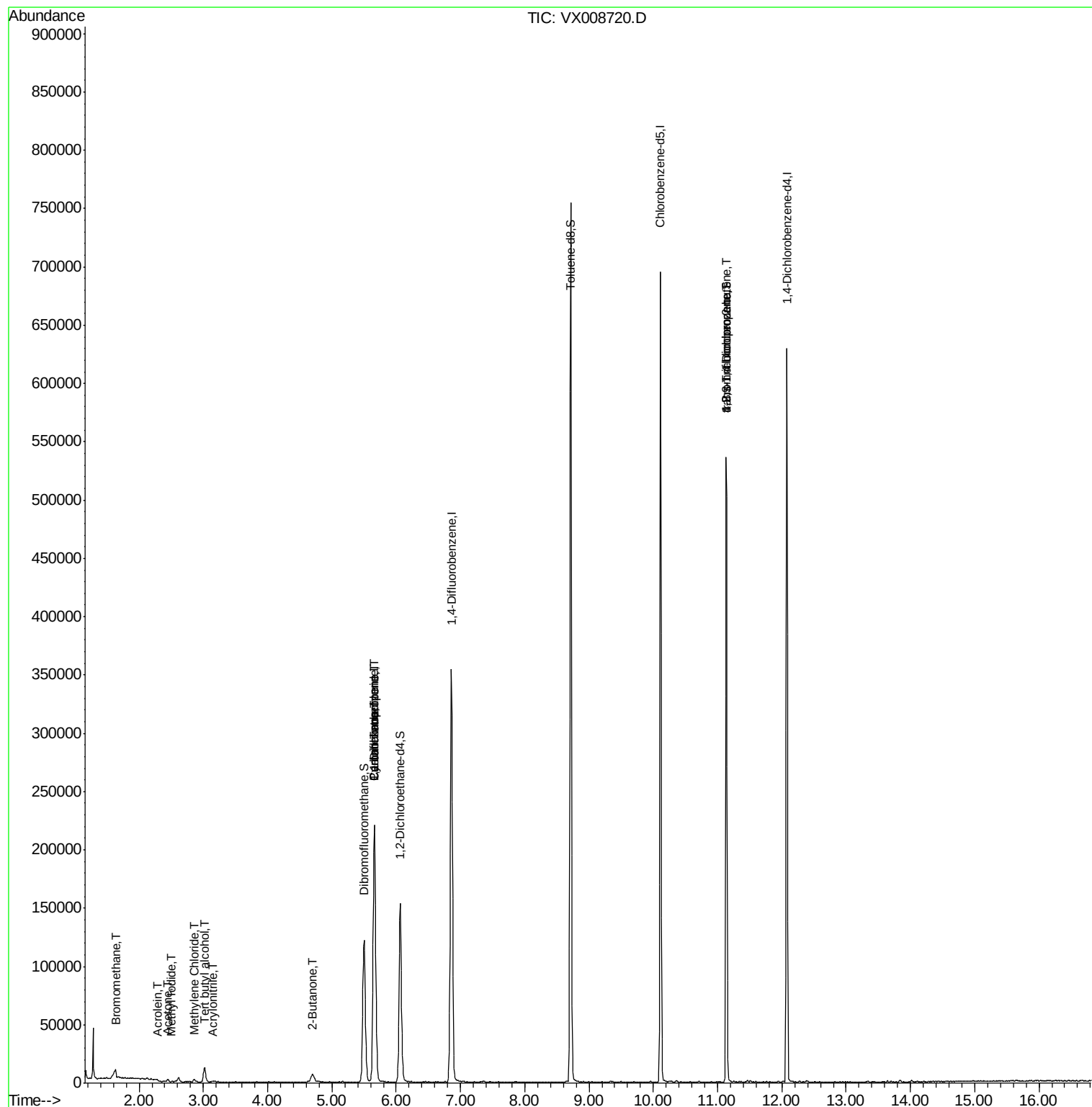
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	352	Below Cal		98
5) Bromomethane	1.64	94	467	2.165 ug/l		97
6) Chloroethane	1.71	64	298	Below Cal		89
10) Methyl Iodide	2.51	142	445	4.196 ug/l #		76
11) Tert butyl alcohol	3.02	59	8150	11.372 ug/l #		75
13) Acrolein	2.29	56	221	0.622 ug/l		87
15) Acrylonitrile	3.15	53	589	0.310 ug/l #		79
16) Acetone	2.45	43	2194	1.244 ug/l		92
17) Carbon Disulfide	2.57	76	1227	Below Cal #		89
20) Methylene Chloride	2.86	84	988	0.335 ug/l #		92
25) 2-Butanone	4.70	43	600	0.215 ug/l #		53
28) Bromochloromethane	5.02	49	63	Below Cal #		22
31) Cyclohexane	5.66	56	4966	0.939 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	17390	4.581 ug/l #		47
38) Carbon Tetrachloride	5.66	117	20361	6.481 ug/l #		16
76) 1,2,3-Trichloropropane	11.13	75	73370	21.298 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	73370	58.710 ug/l #		9

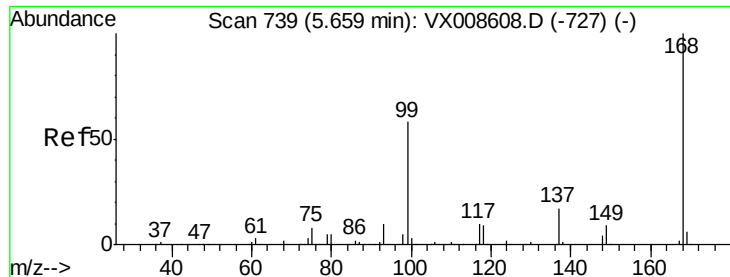
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 04:47:41 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

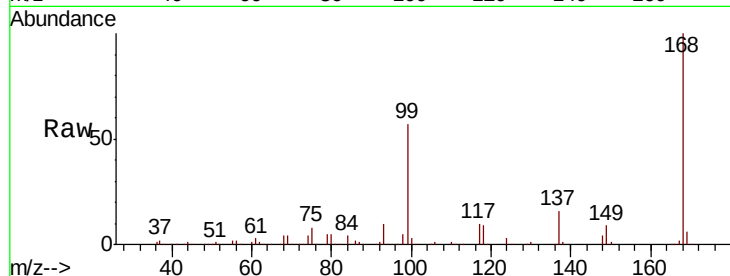
Z3-TB03-190403

Tot Ion:168 Resp: 209881

Ion Ratio Lower Upper

168 100

99 57.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

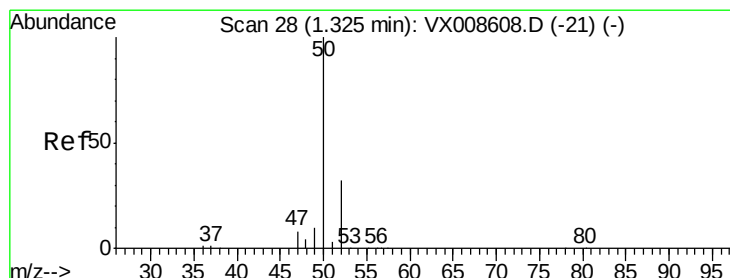
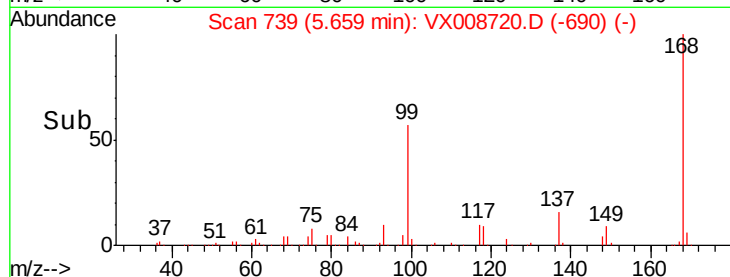
60000

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: VX008720.D

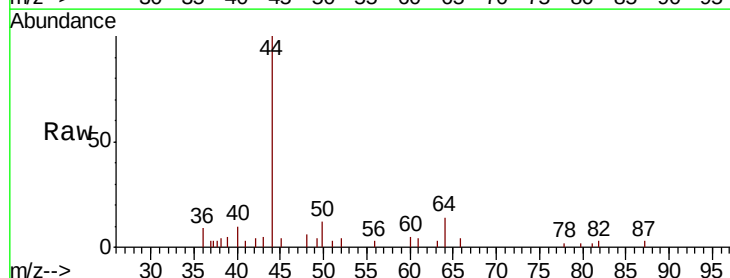
Acq: 06 Apr 2019 15:05

Tgt Ion: 50 Resp: 352

Ion Ratio Lower Upper

50 100

52 33.5 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

250

200

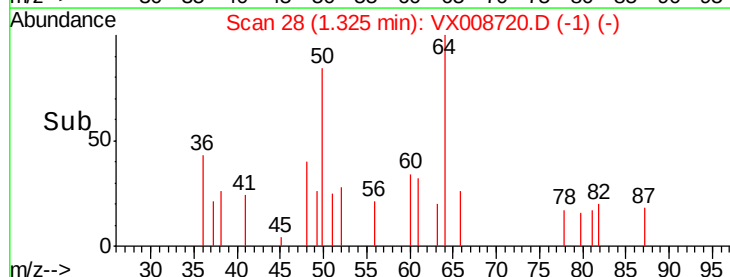
150

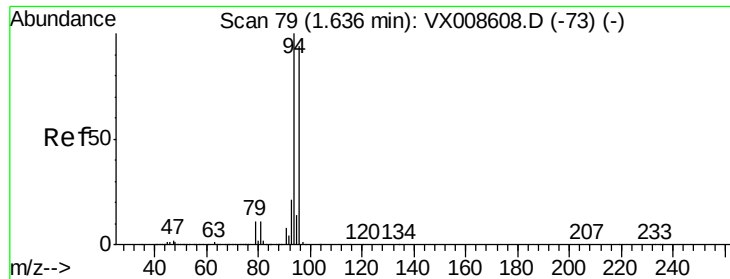
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.165 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

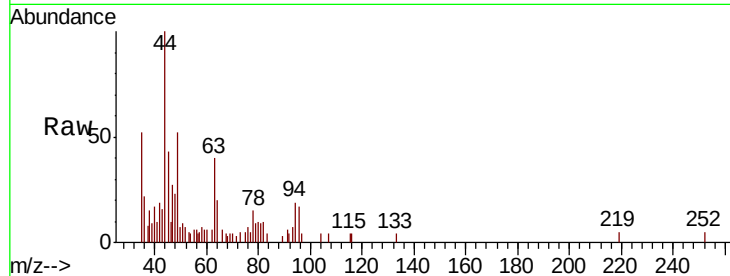
Z3-TB03-190403

Tot Ion: 94 Resp: 467

Ion Ratio Lower Upper

94 100

96 91.6 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

300

200

100

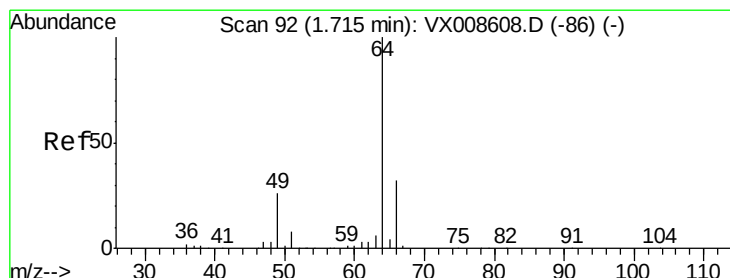
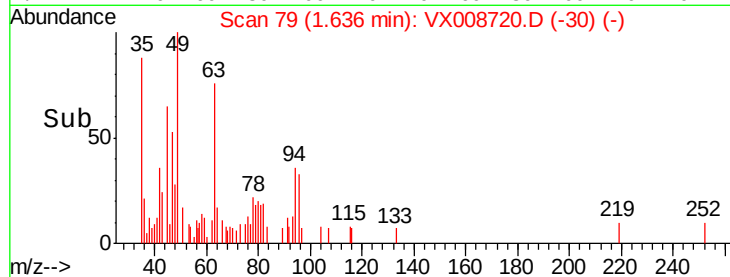
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008720.D

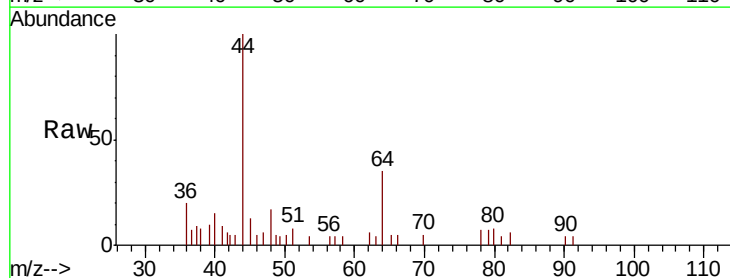
Acq: 06 Apr 2019 15:05

Tgt Ion: 64 Resp: 298

Ion Ratio Lower Upper

64 100

66 38.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

500

400

300

200

100

0

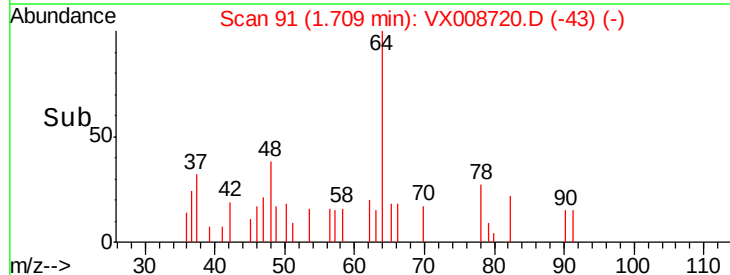
1.68

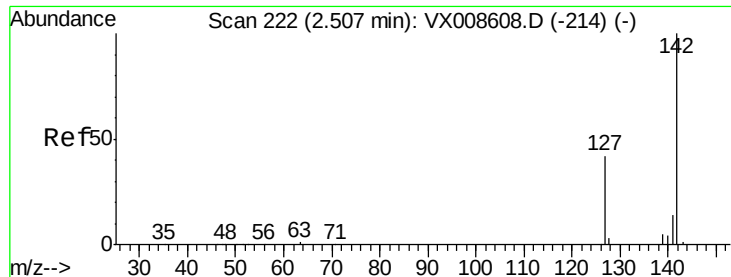
1.70

1.72

1.74

Time-->

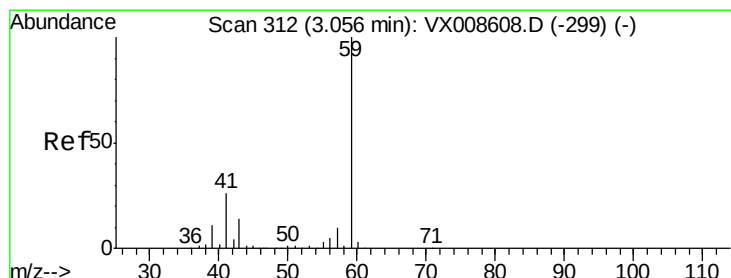
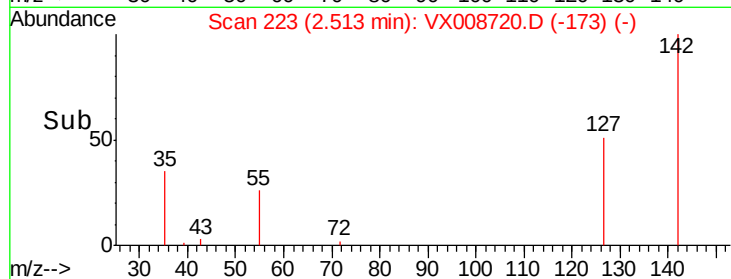
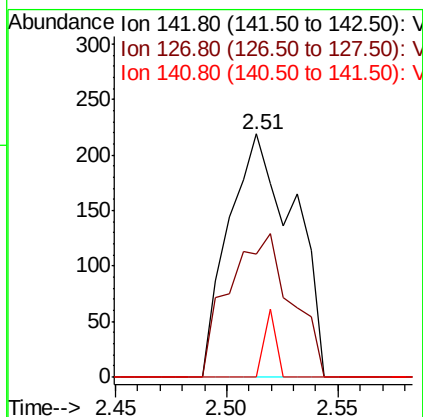
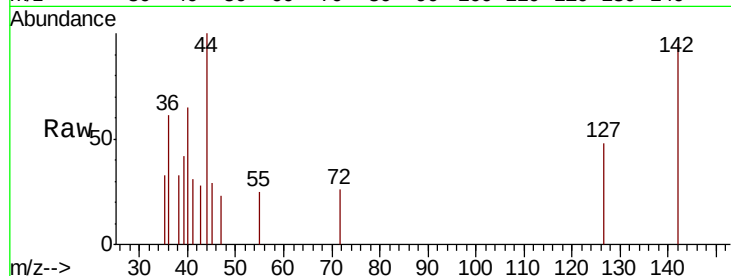




#10
Methvl Iodide
Concen: 4.196 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008720.D
Acq: 06 Apr 2019 15:05

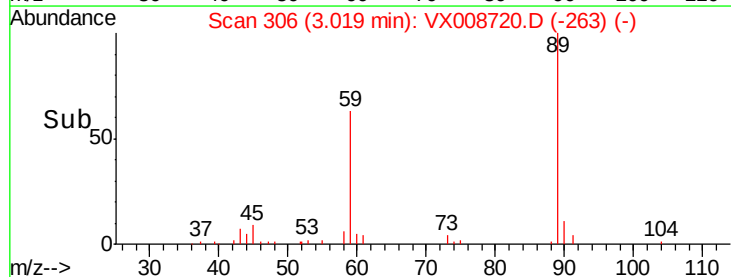
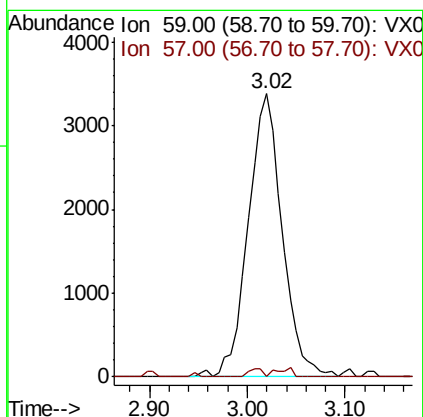
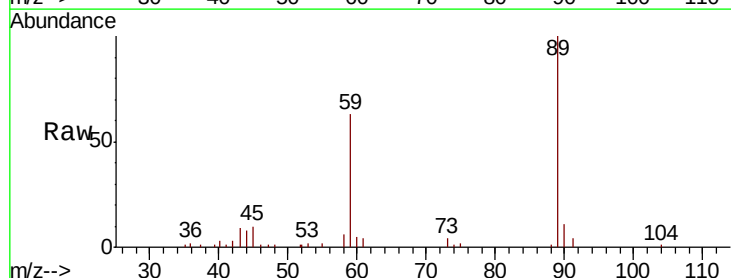
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB03-190403

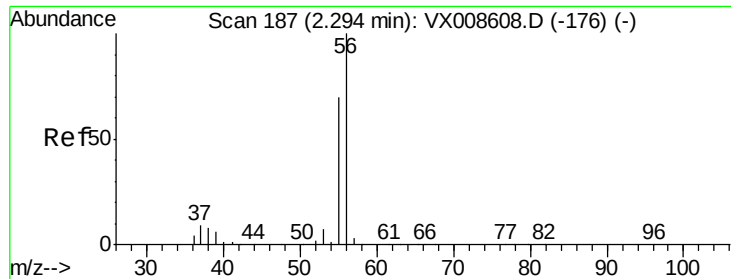
Tot Ion:142 Resp: 445
Ion Ratio Lower Upper
142 100
127 56.4 33.0 49.6#
141 4.9 11.4 17.2#



#11
Tert butyl alcohol
Concen: 11.372 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008720.D
Acq: 06 Apr 2019 15:05

Tgt Ion: 59 Resp: 8150
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#





#13

Acrolein

Concen: 0.622 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampled :

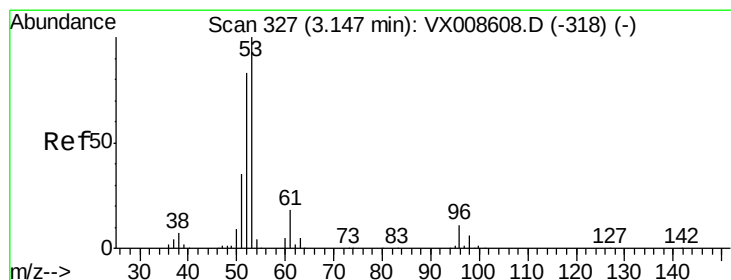
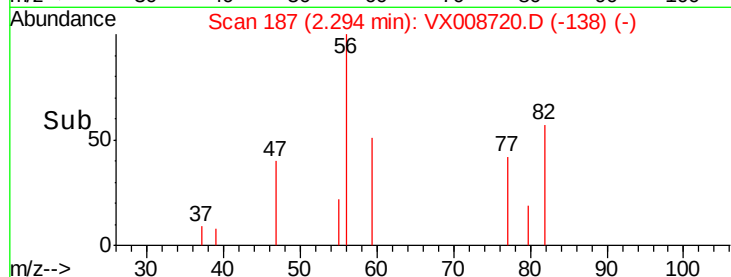
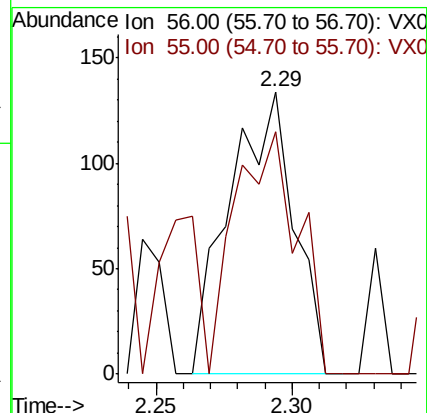
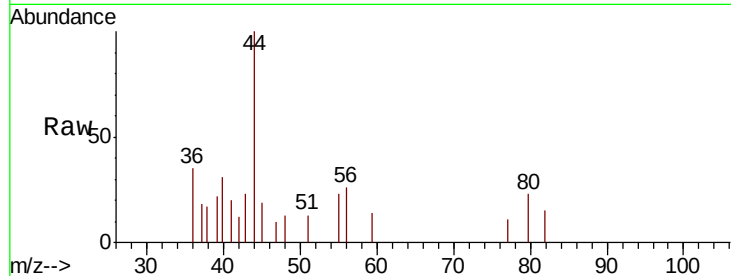
Z3-TB03-190403

Tot Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 83.3 58.0 87.0



#15

Acrylonitrile

Concen: 0.310 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

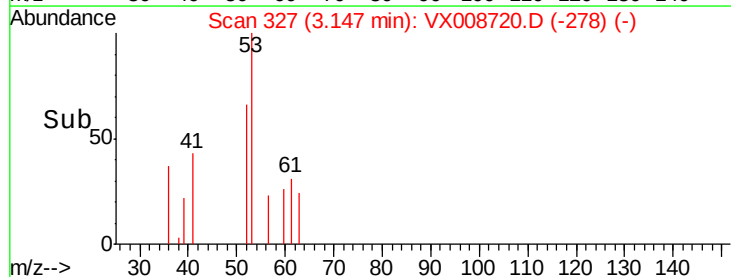
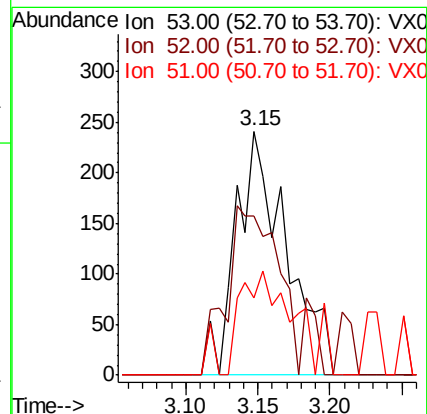
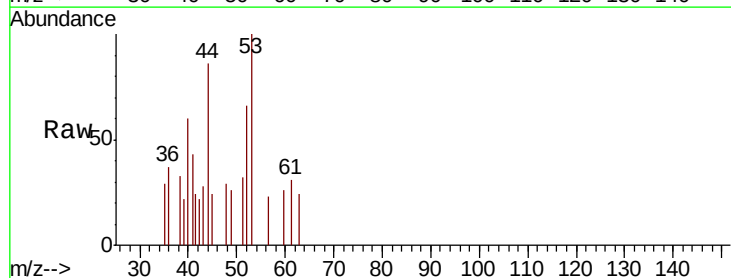
Tgt Ion: 53 Resp: 589

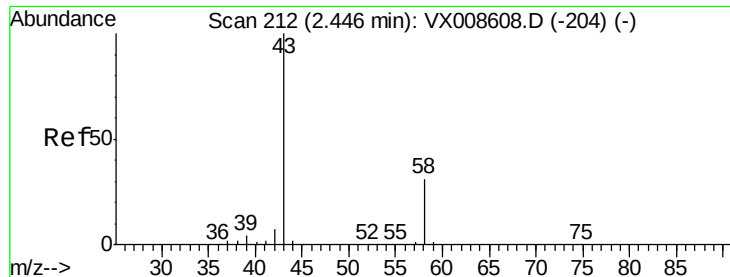
Ion Ratio Lower Upper

53 100

52 70.3 66.5 99.7

51 15.1 28.6 42.8#





#16

Acetone

Concen: 1.244 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

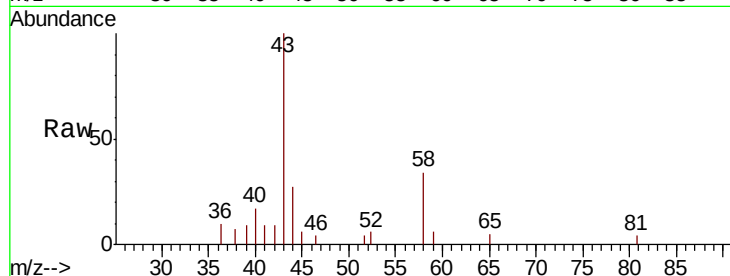
Z3-TB03-190403

Tot Ion: 43 Resp: 2194

Ion Ratio Lower Upper

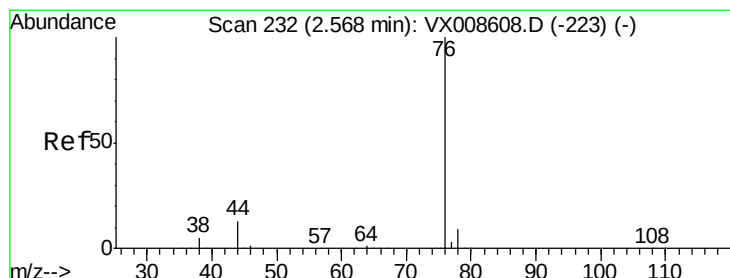
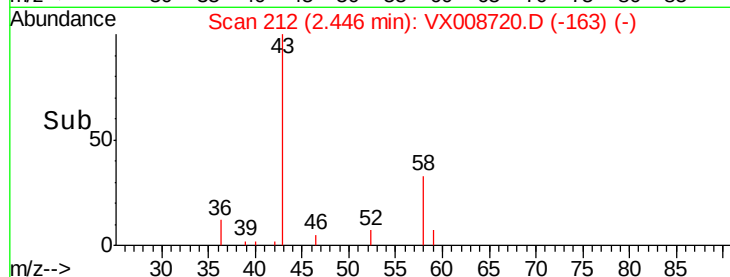
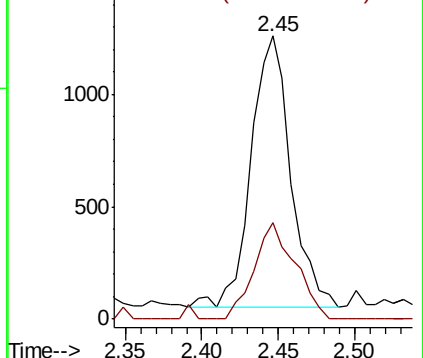
43 100

58 35.4 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# 233

Delta R.T. 0.01 min

Lab File: VX008720.D

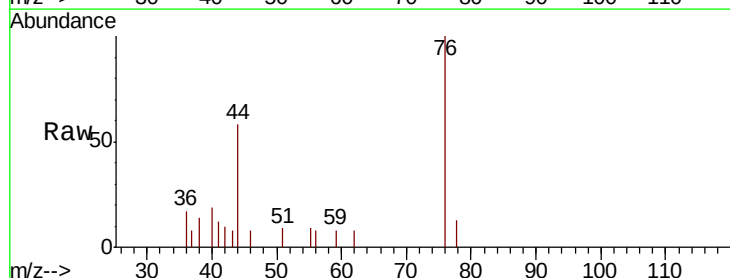
Acq: 06 Apr 2019 15:05

Tgt Ion: 76 Resp: 1227

Ion Ratio Lower Upper

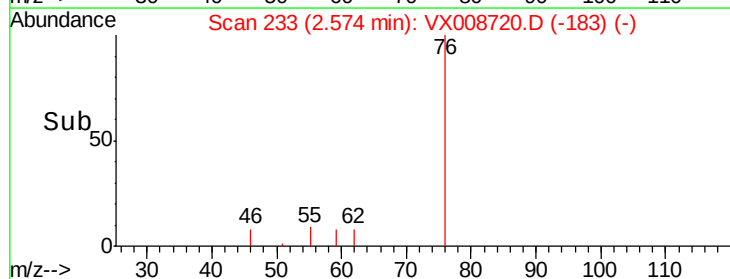
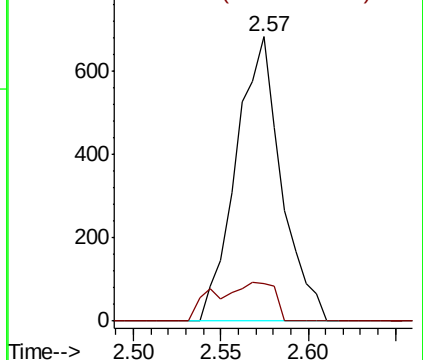
76 100

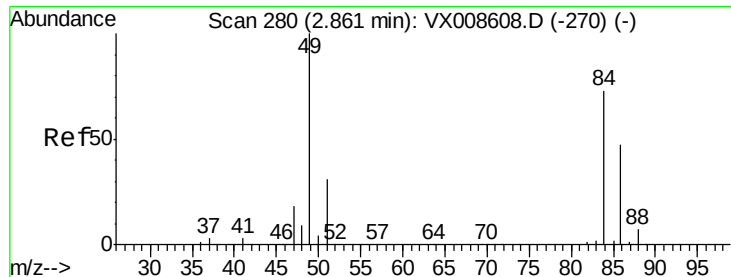
78 12.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

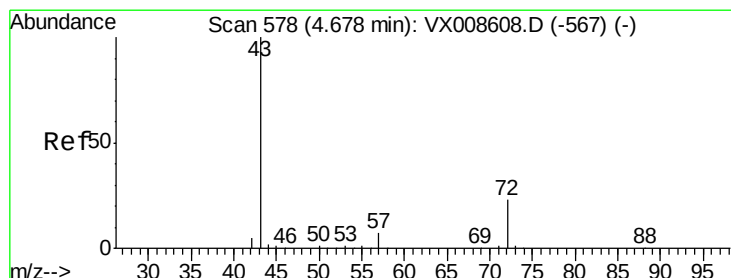
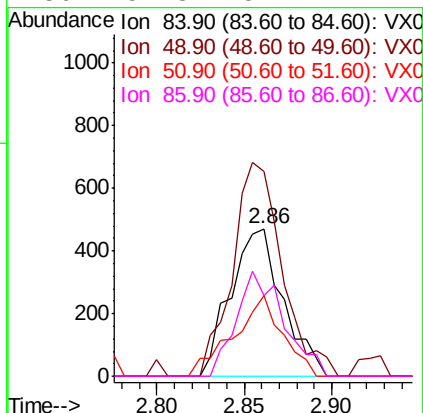
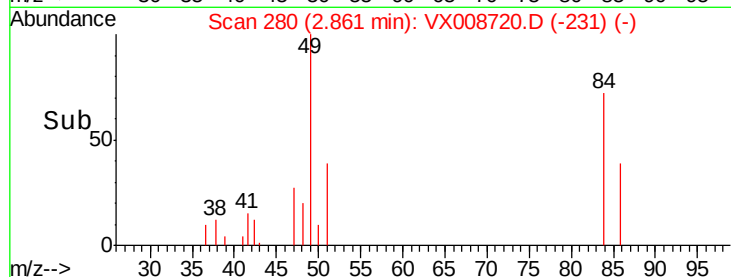
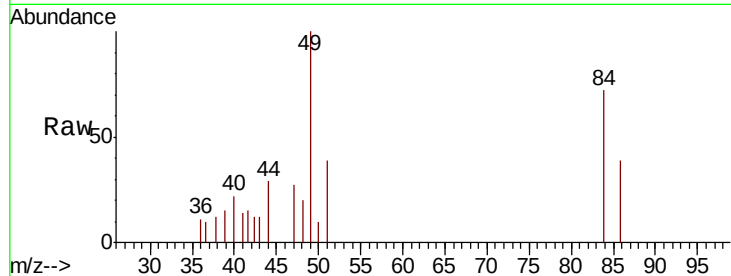




#20
Methylene Chloride
Concen: 0.335 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008720.D
Acq: 06 Apr 2019 15:05

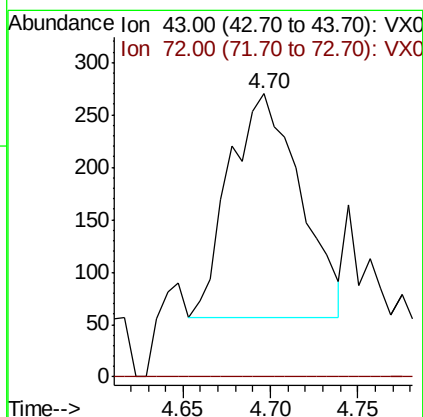
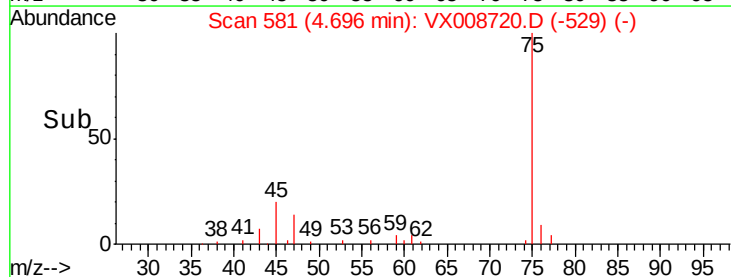
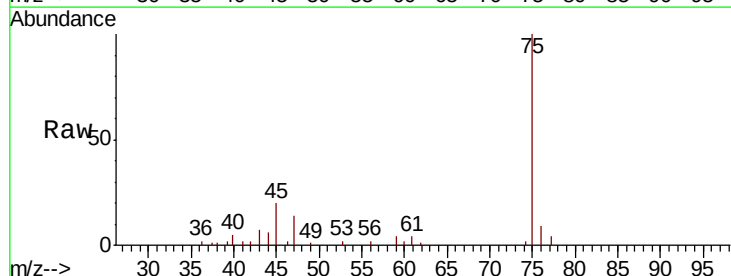
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB03-190403

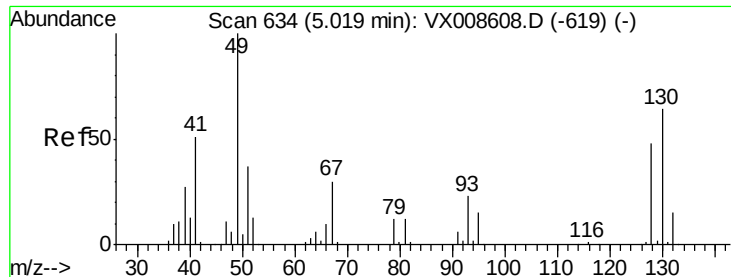
Tot Ion: 84 Resp: 988
Ion Ratio Lower Upper
84 100
49 139.3 109.7 164.5
51 54.4 33.6 50.4#
86 54.8 51.4 77.2



#25
2-Butanone
Concen: 0.215 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX008720.D
Acq: 06 Apr 2019 15:05

Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB03-190403

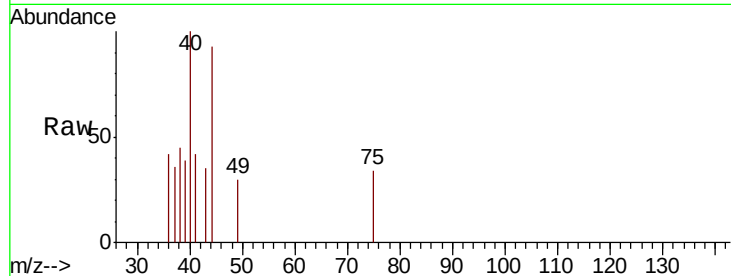
Tot Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

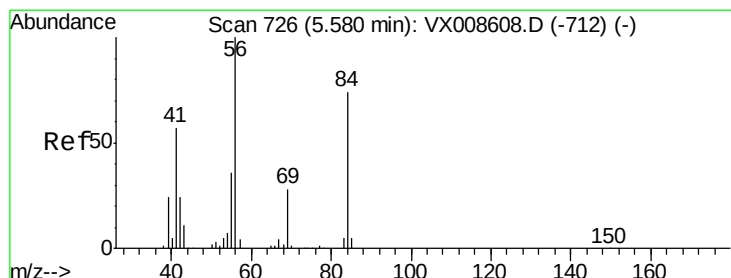
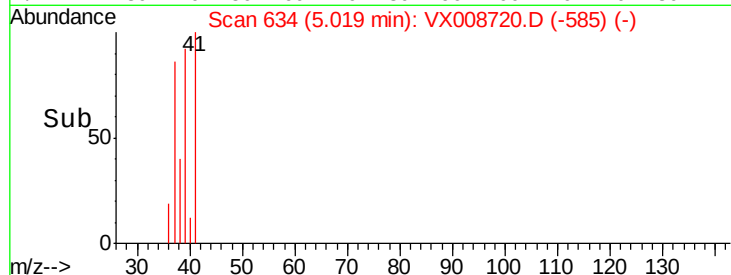
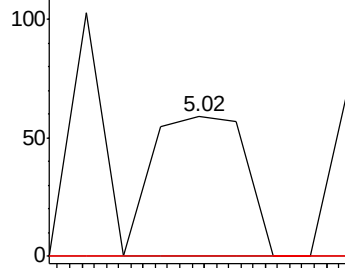
130 0.0 49.3 73.9#



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



#31

Cyclohexane

Concen: 0.939 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

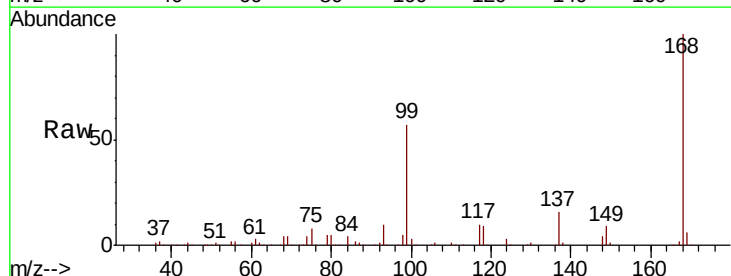
Tgt Ion: 56 Resp: 4966

Ion Ratio Lower Upper

56 100

69 180.3 22.6 33.8#

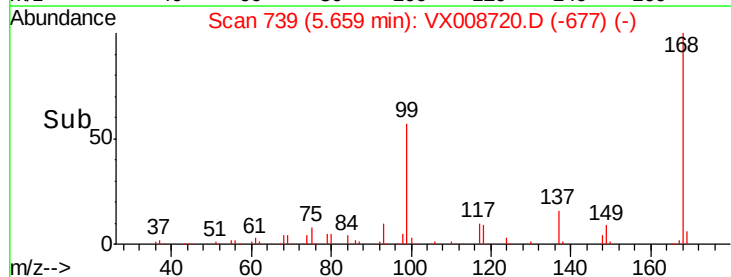
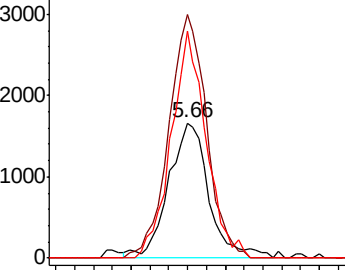
84 168.4 59.3 88.9#

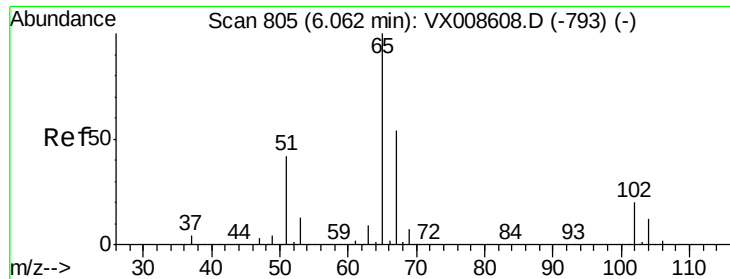


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

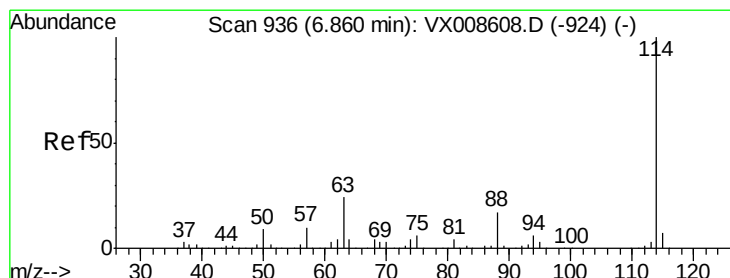
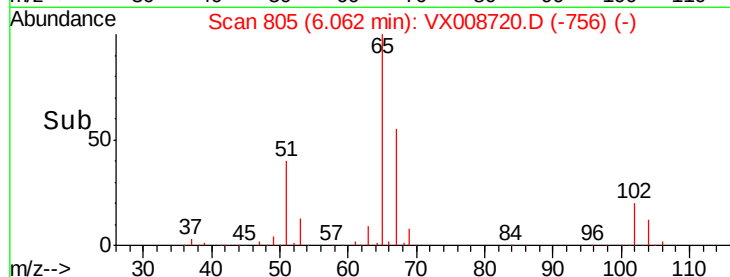
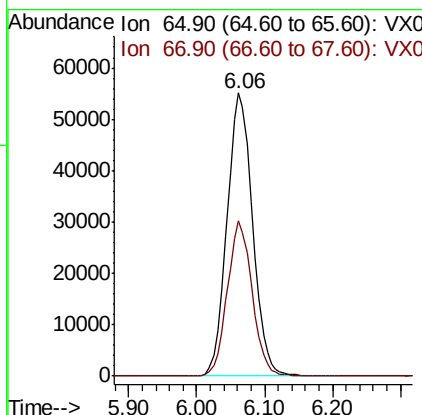
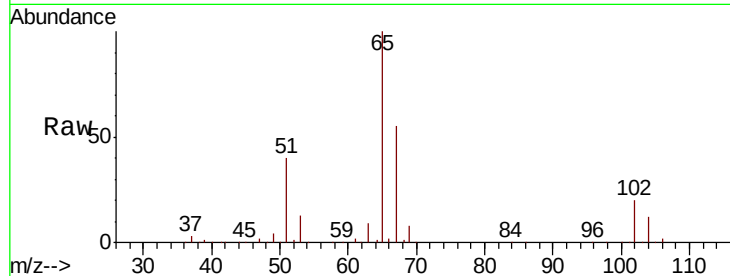




#33
 1,2-Dichloroethane-d4
 Concen: 47.005 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008720.D
 Acq: 06 Apr 2019 15:05

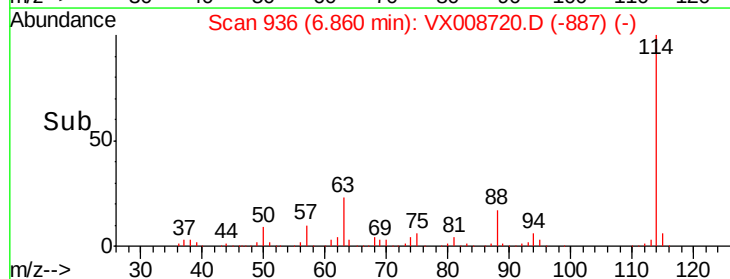
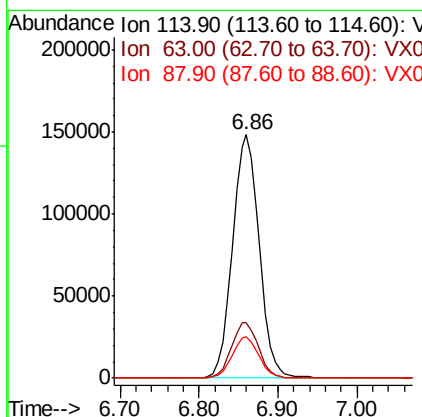
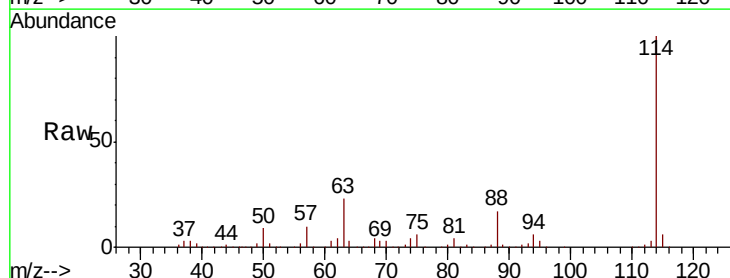
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB03-190403

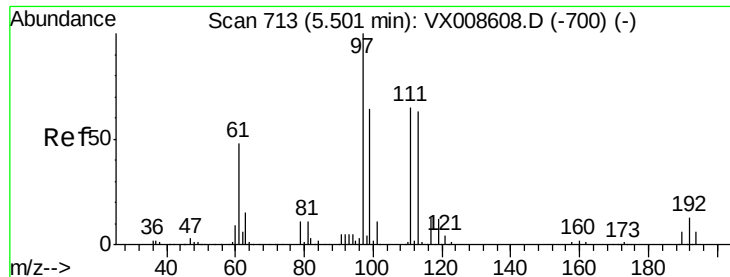
Tot Ion: 65 Resp: 143895
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008720.D
 Acq: 06 Apr 2019 15:05

Tgt Ion: 114 Resp: 347246
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.2
 88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.370 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB03-190403

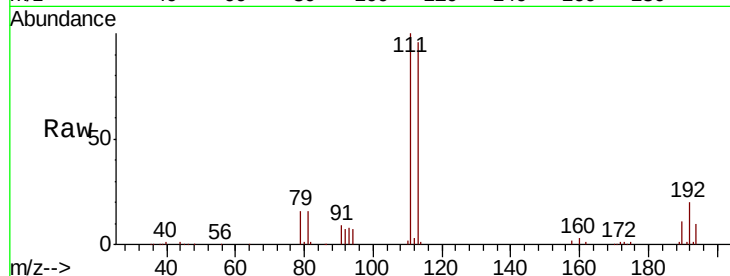
Tot Ion:113 Resp: 105168

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

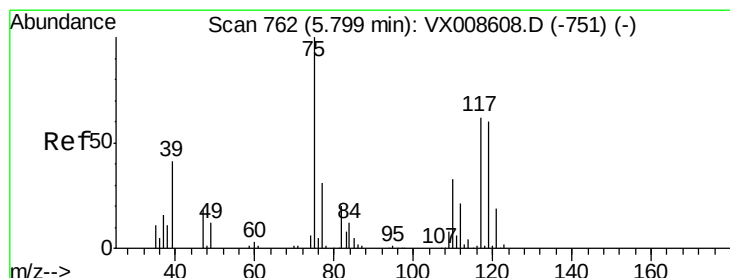
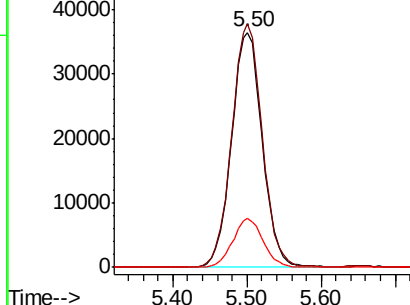
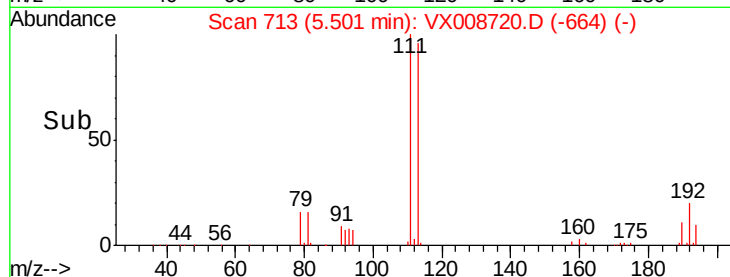
192 20.7 16.1 24.1



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: 4.581 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

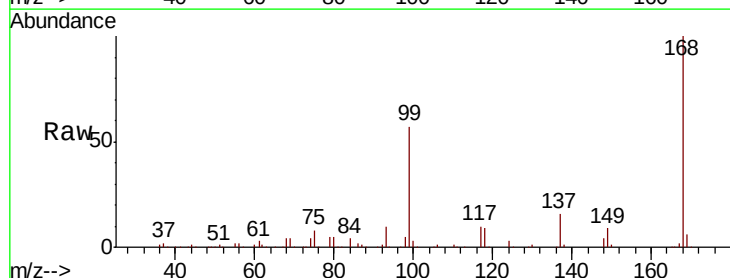
Tgt Ion: 75 Resp: 17390

Ion Ratio Lower Upper

75 100

110 4.6 16.4 49.2#

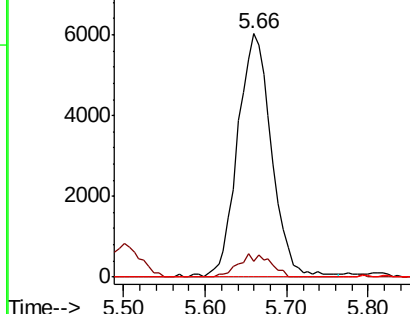
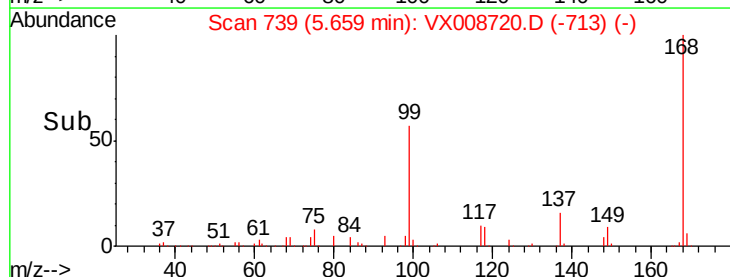
77 0.0 24.7 37.1#

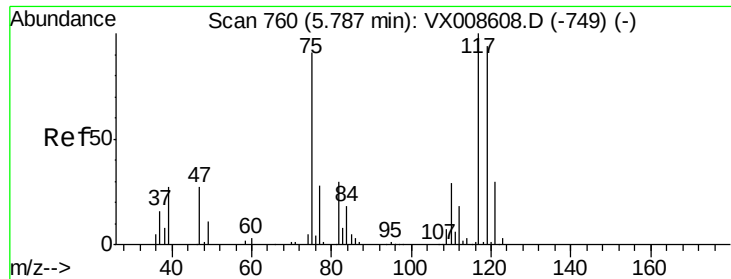


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

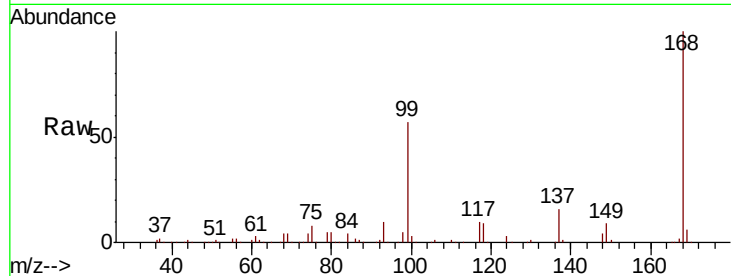




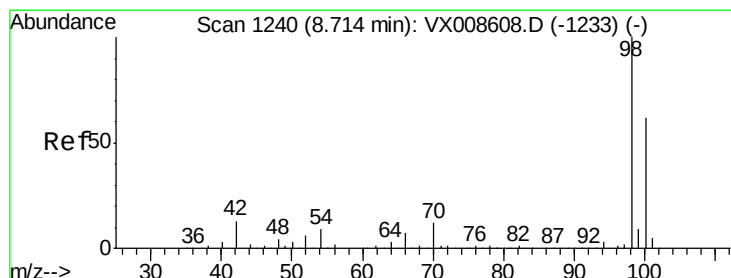
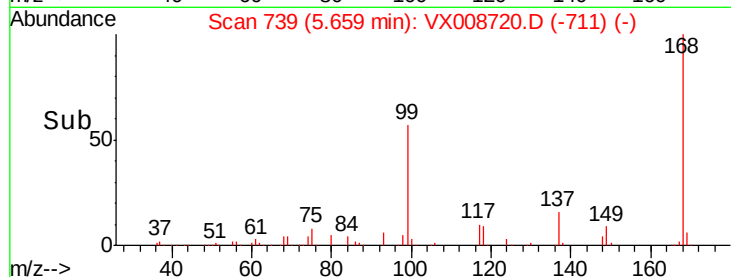
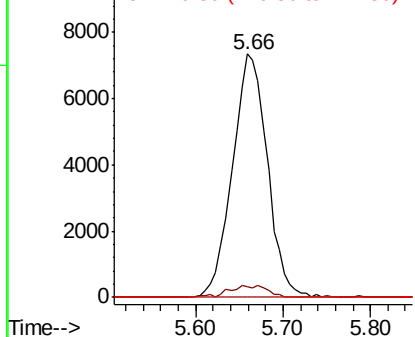
#38
Carbon Tetrachloride
Concen: 6.481 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008720.D
Acq: 06 Apr 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB03-190403

Tot Ion:117 Resp: 20361
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 24.3 36.5#

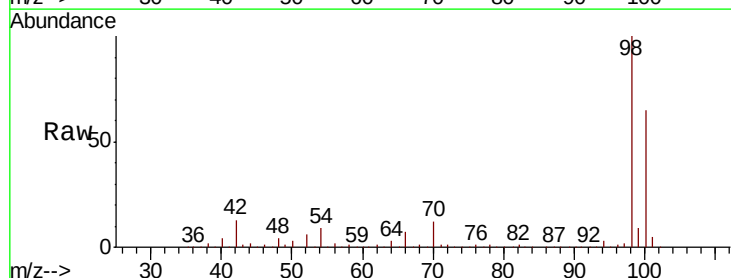


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

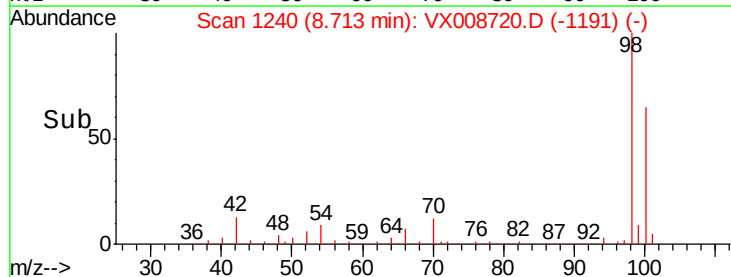
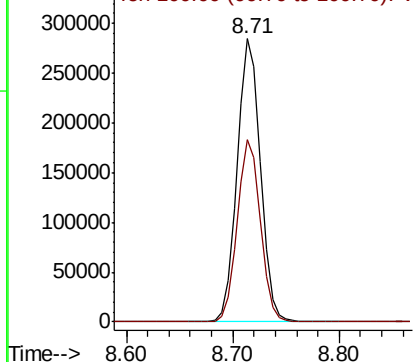


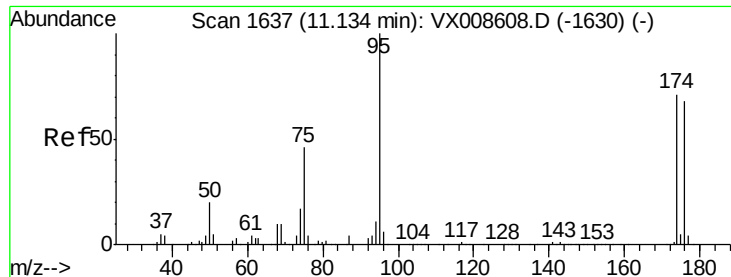
#50
Toluene-d8
Concen: 49.592 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008720.D
Acq: 06 Apr 2019 15:05

Tgt Ion: 98 Resp: 438401
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.745 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB03-190403

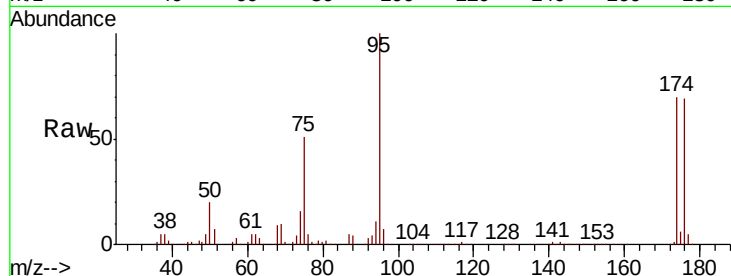
Tot Ion: 95 Resp: 146537

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.8

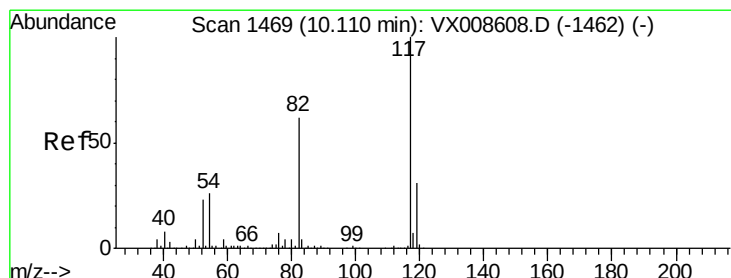
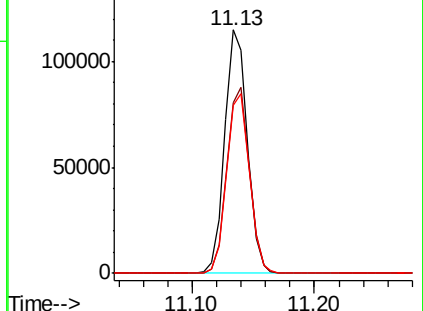
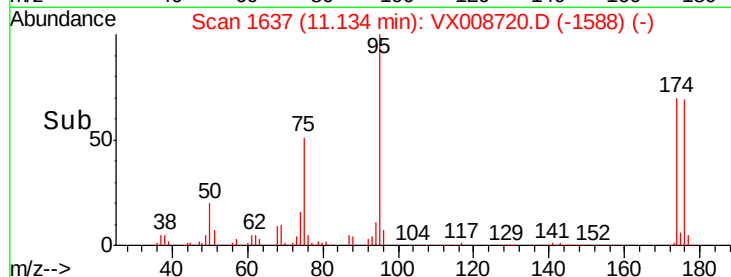
176 74.5 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008720.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008720.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008720.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

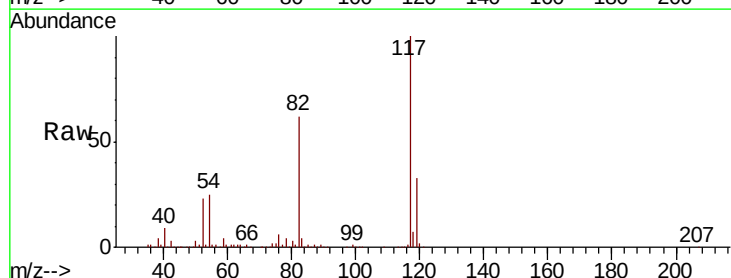
Tgt Ion: 117 Resp: 301401

Ion Ratio Lower Upper

117 100

82 62.5 49.6 74.4

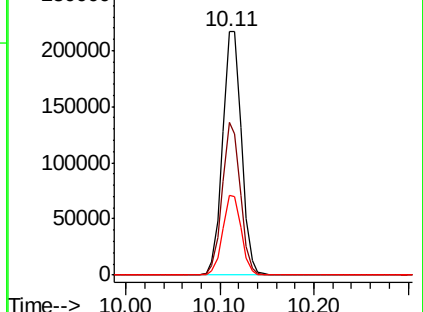
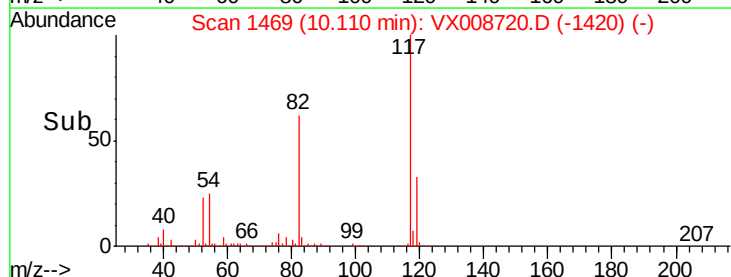
119 32.8 25.0 37.4

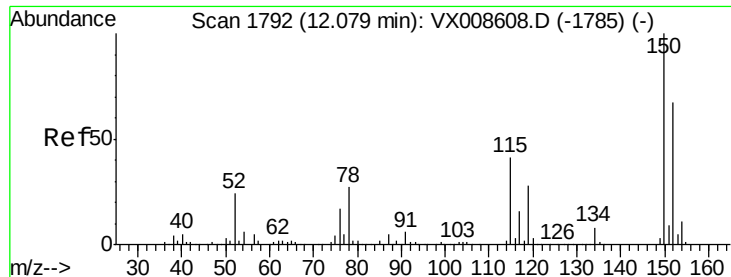


Abundance Ion 116.90 (116.60 to 117.60): VX008720.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008720.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008720.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB03-190403

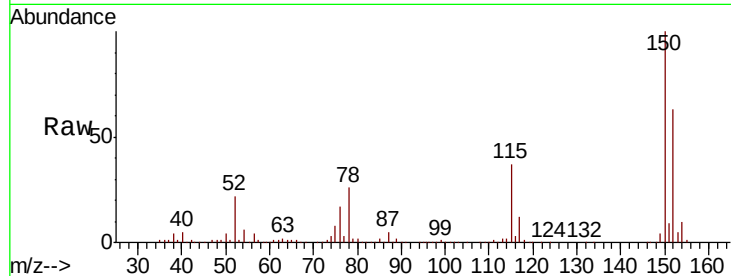
Tot Ion:152 Resp: 125401

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

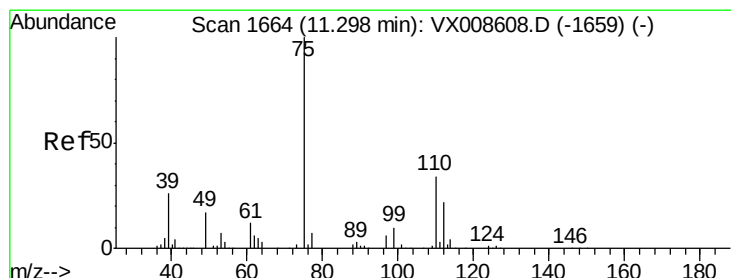
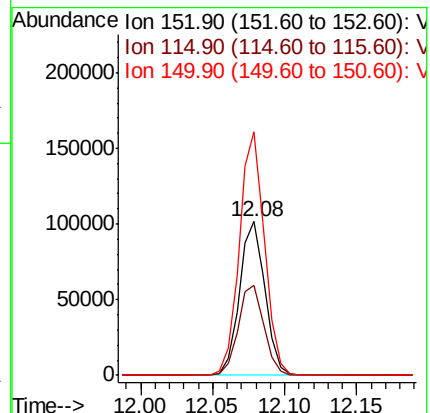
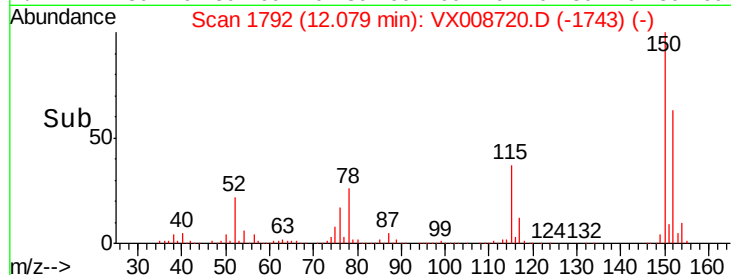
150 156.4 0.0 348.8



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: 21.298 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008720.D

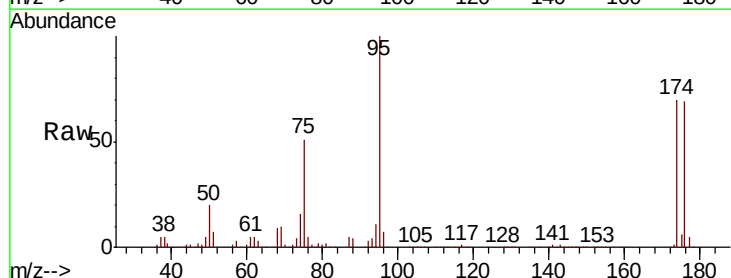
Acq: 06 Apr 2019 15:05

Tgt Ion: 75 Resp: 73370

Ion Ratio Lower Upper

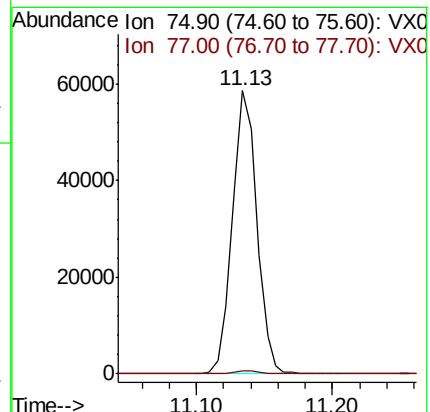
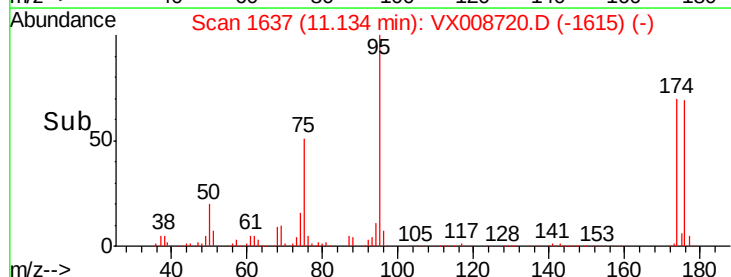
75 100

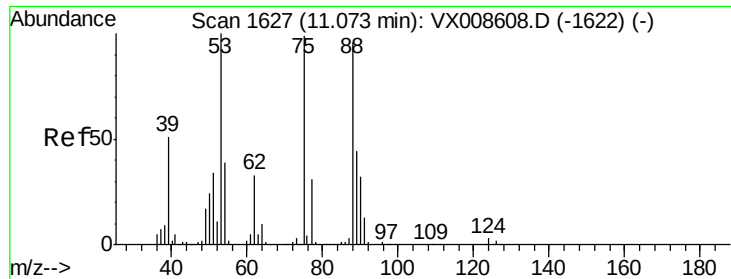
77 1.3 22.3 66.8#



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: 58.710 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008720.D

Acq: 06 Apr 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB03-190403

Tot Ion: 75 Resp: 73370

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

